

Binder Site 1

2020 Data Table	5/21	6/6	6/30	7/19	8/11	9/2	9/22	Mean*
Temp (F)	69	84	86	88	86	82	78	82
Secchi (feet)	3.6	4.8	2.7	2.1	2.2	1.7	1.8	2.5
Phosphorus (µg/L)	35	33	50	63	55	61	76	51
Nitrogen (µg/L)	707	620	735	1053	955	945	1010	846
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	9.8	6.8	20.5	27.7	35.8	45.4	49.7	22.6
Sediment (mg/L)	2.3	1.2	1.7	2.5	1.0	2.1	1.4	1.7
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

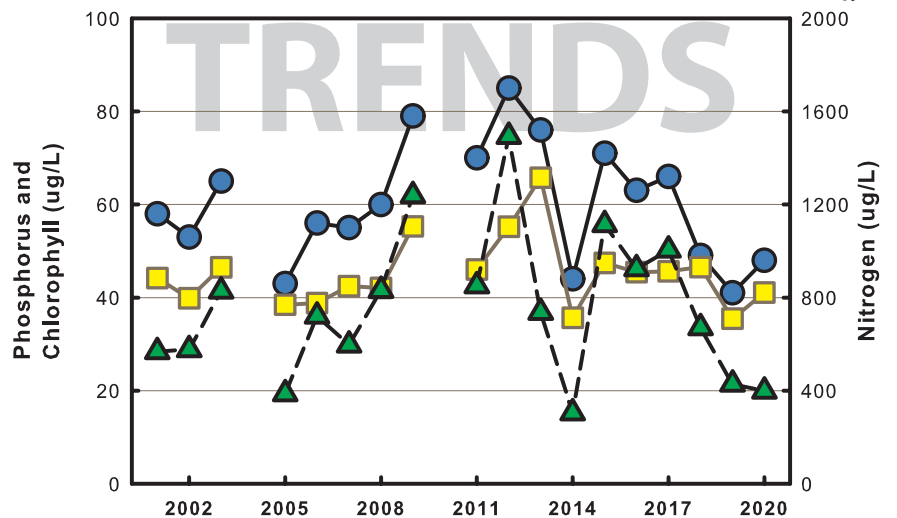
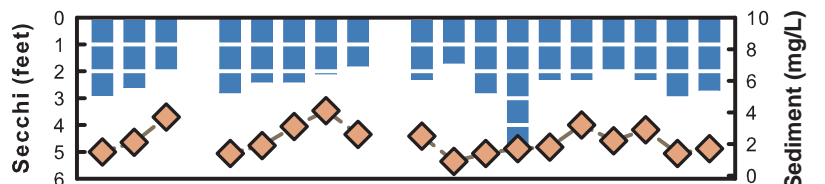
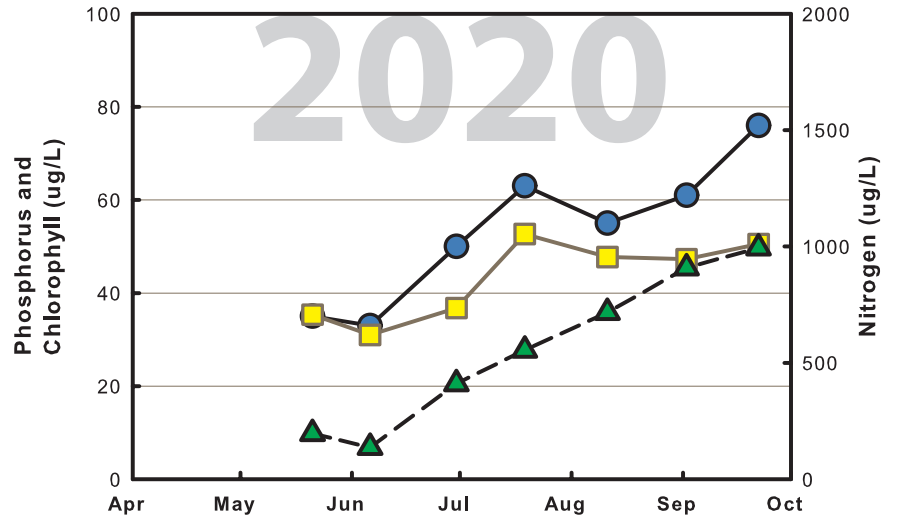
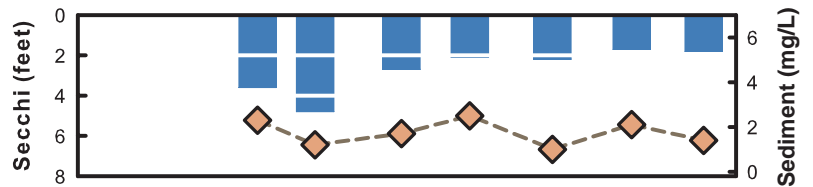
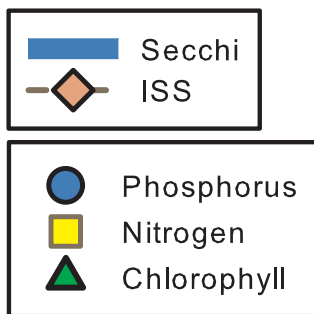
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

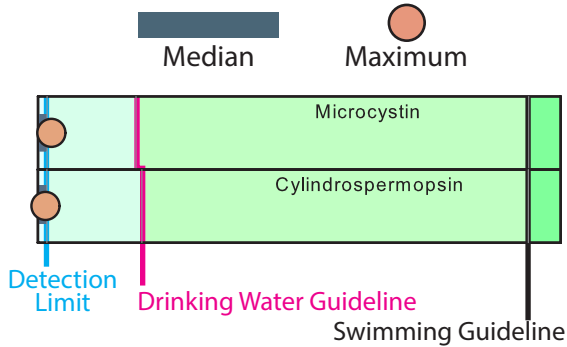
Legend for 2020 and Trend graphs



Bull Shoals Site 7

2020 Data Table	4/24	5/13	6/3	6/26	7/18	8/8	8/29	9/14	Mean*
Temp (F)	54	57	75	81	86	82	82	82	74
Secchi (feet)	12.8	17.0	8.7	8.7	9.9	7.3	9.2	7.5	9.8
Phosphorus (µg/L)	8	8	11	10	8	9	15	11	10
Nitrogen (µg/L)	855	840	595	490	385	265	335	270	458
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.3	3.3	4.7	5.3	5.2	8.3	9.0	7.7	5.5
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.11	0.22	0.15	0.15	0.13	0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



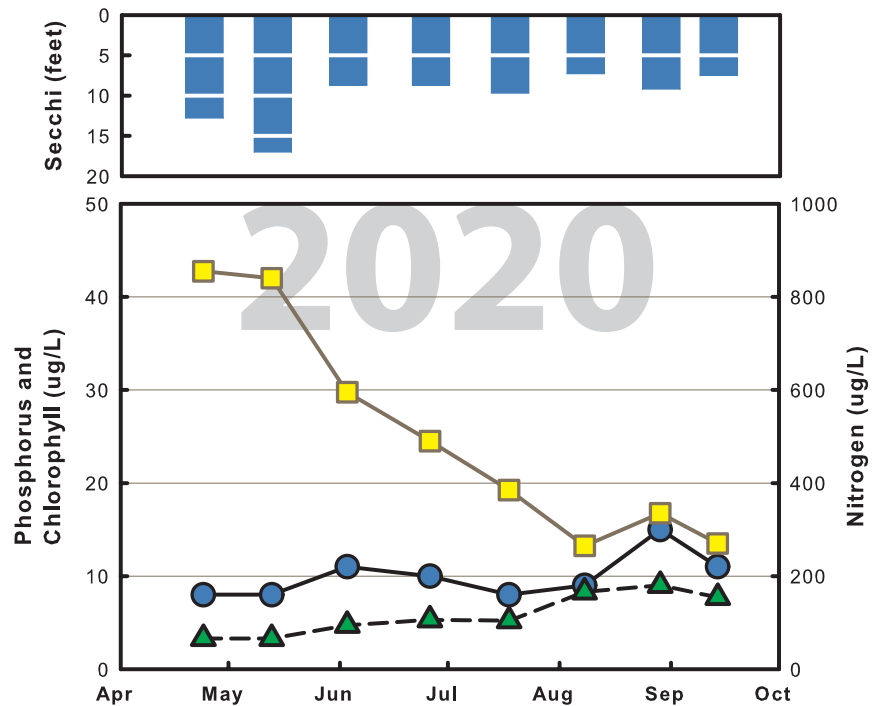
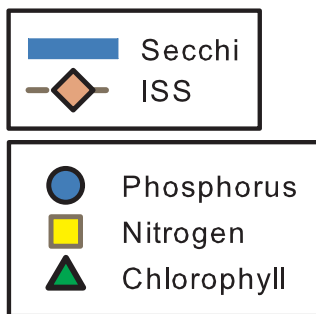
(* Table shows geometric means)

Above: Algal toxin results

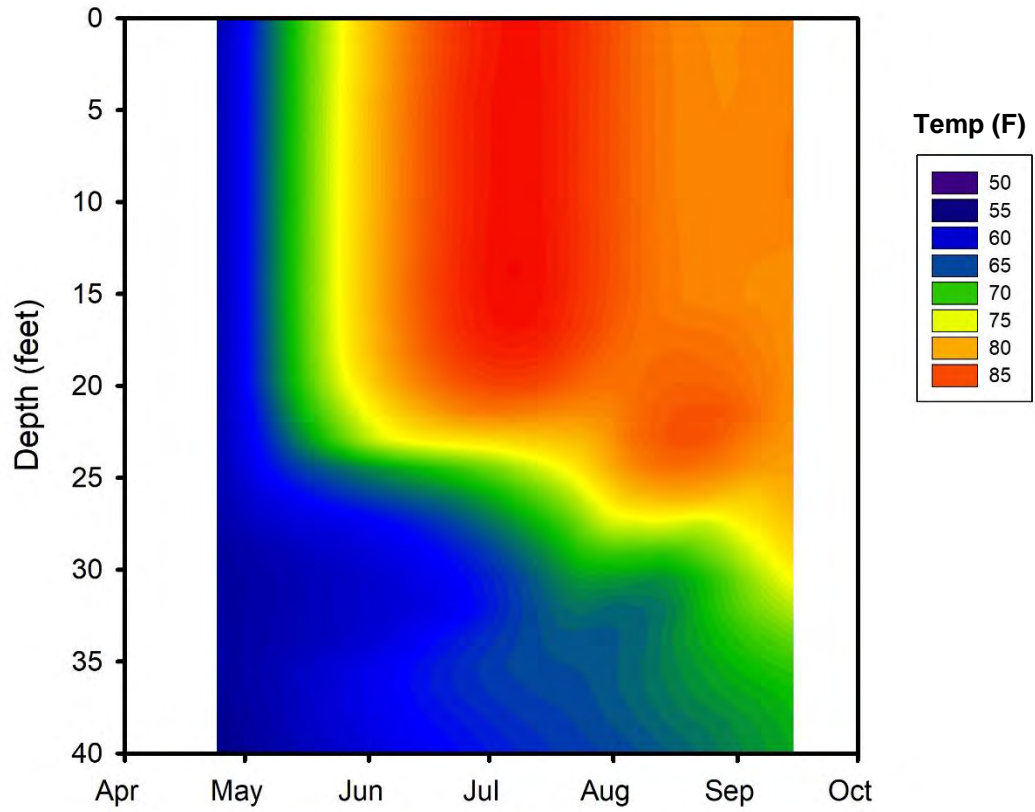
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Bull Shoals 7



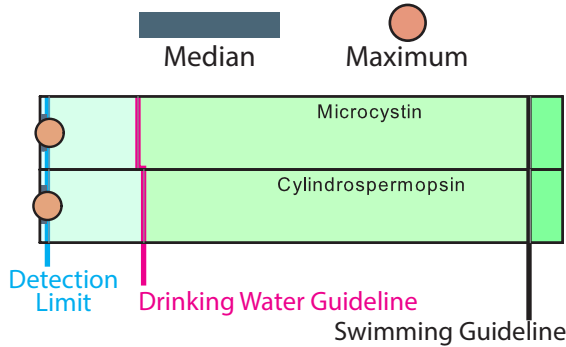
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 Site 8

2020 Data Table	4/25	5/14	6/5	6/26	7/18	8/8	8/29	9/14	Mean*
Temp (F)	56	62	77	81	87	83	82	82	76
Secchi (feet)	13.0	18.2	10.1	10.2	12.9	9.3	10.8	8.1	11.2
Phosphorus (µg/L)	8	8	10	7	10	9	10	12	9
Nitrogen (µg/L)	655	765	505	400	320	255	280	260	396
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.6	3.2	5.7	4.3	5.4	5.5	5.8	6.5	4.9
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.15	0.16	0.13		<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04

2020 Algal Toxin Results



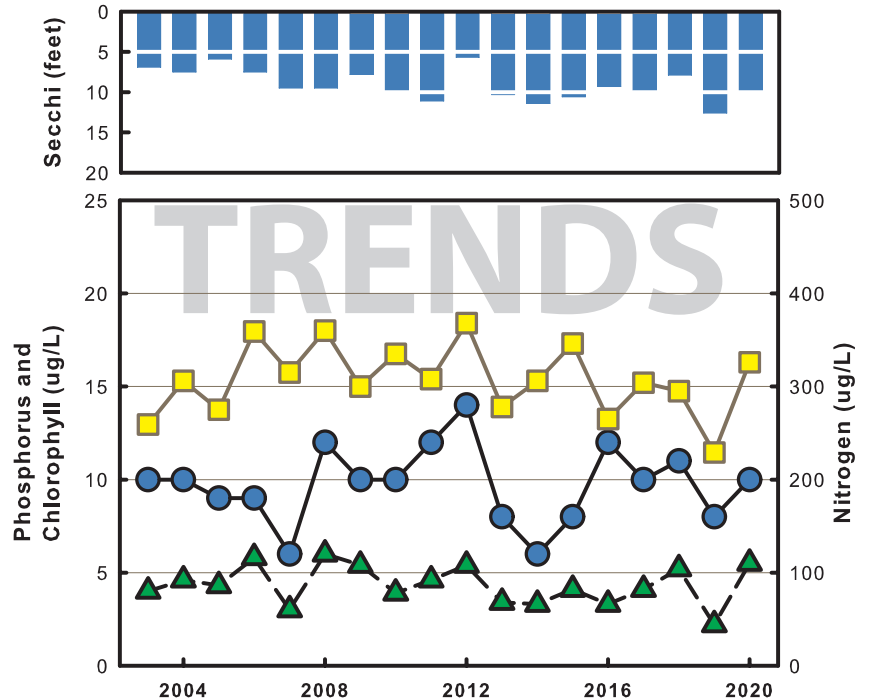
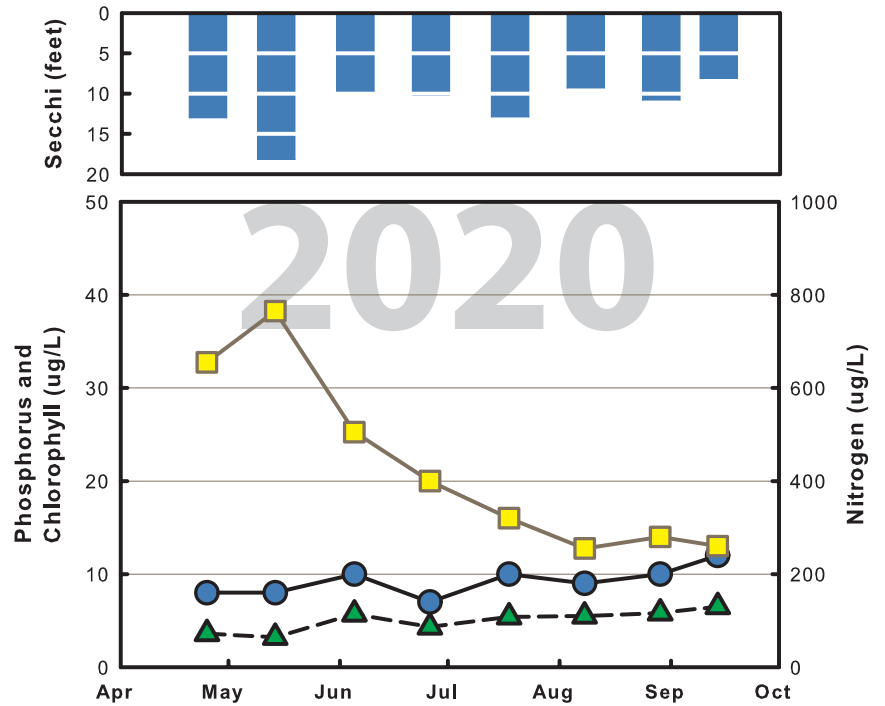
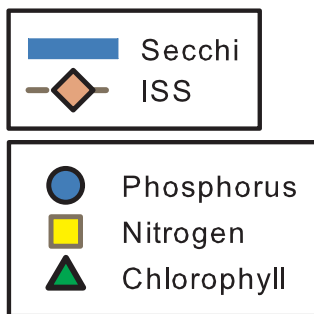
(* Table shows geometric means)

Above: Algal toxin results

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

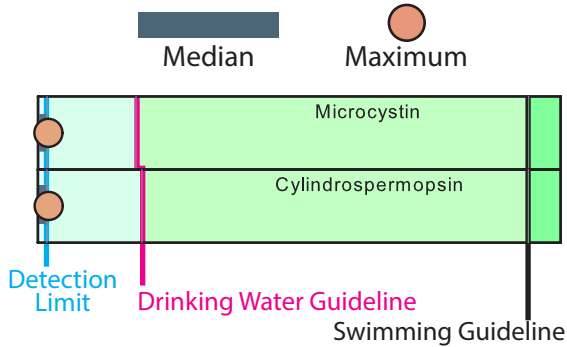
Legend for 2020 and Trend graphs



Buteo Site 1

2020 Data Table	4/25	5/15	6/1	6/22	7/13	8/16	8/24	Mean*
Temp (F)	57	63	74	79	84	82	80	74
Secchi (feet)	0.8	1.9	4.0	5.6	4.7	3.1	8.5	3.3
Phosphorus (µg/L)	45	22	26	29	19	26	16	25
Nitrogen (µg/L)	615	480	563	580	533	425	420	512
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	3.0	8.0	3.0	11.0	21.0	12.0	4.0	7.0
Sediment (mg/L)	12.7	2.5	0.9	<0.1	0.6	1.0	1.8	1.1
Microcystin (µg/L)	0.15	<0.10	<0.10	0.11	0.17	0.11	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	0.05	0.11	0.08	0.08	0.04

2020 Algal Toxin Results



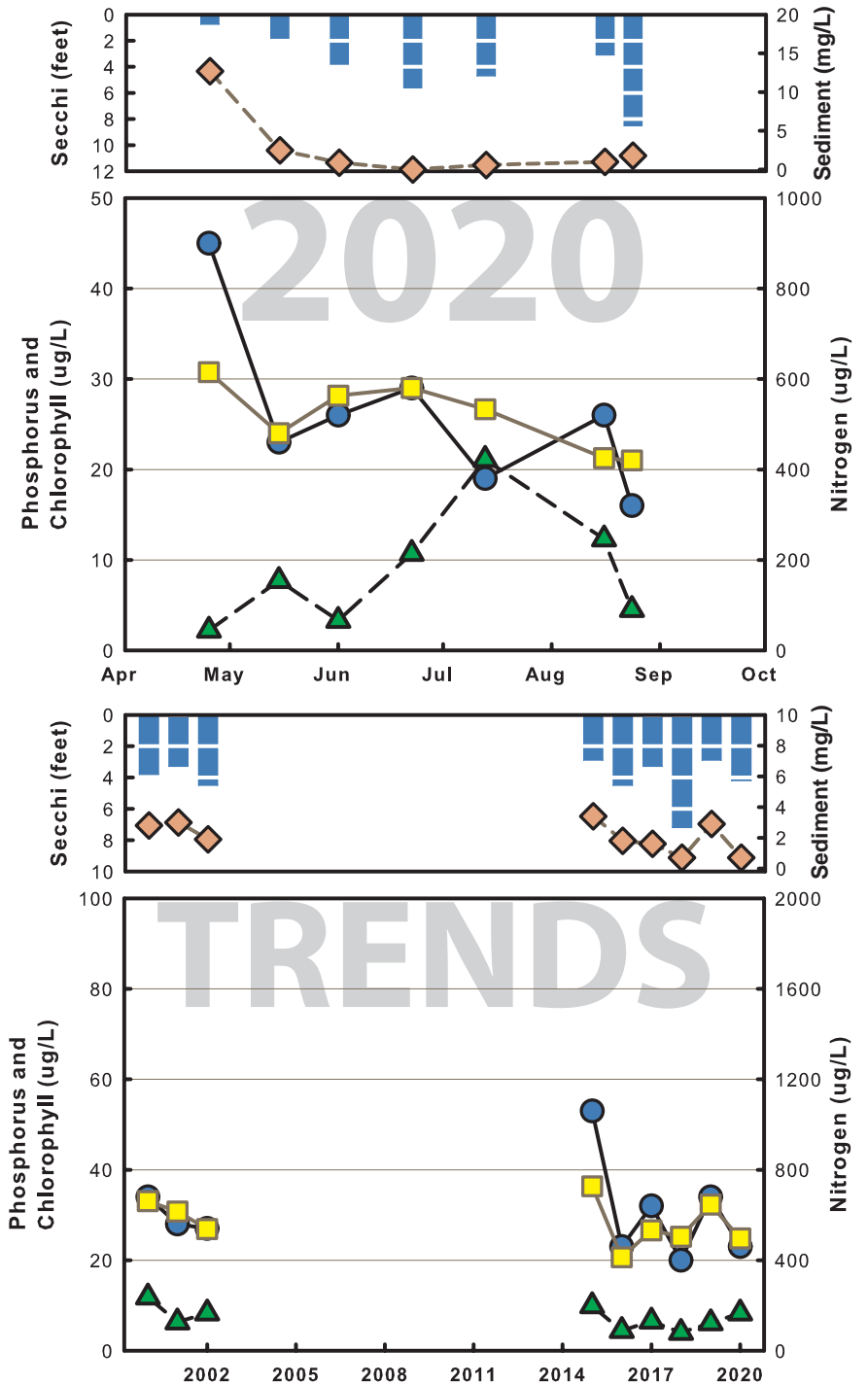
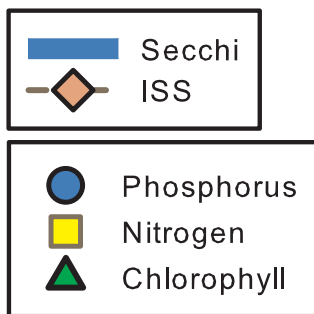
(* Table shows geometric means)

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Right top: 2020 data graph

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

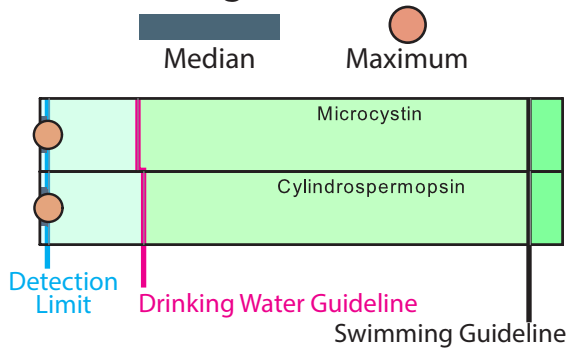
Legend for 2020 and Trend graphs



Carondelet Boathouse Site 1

2020 Data Table	4/22	5/14	6/5	6/24	7/15	8/4	8/28	9/15	Mean*
Temp (F)	63	63	80	80	82	78	84	80	76
Secchi (feet)	3.9	4.1	3.7	3.2	2.0	1.7	1.8	2.3	2.7
Phosphorus (µg/L)	26	33	63	73	79	72	61	45	53
Nitrogen (µg/L)	625	695	735	965	1097	1130	1080	840	876
Ammonium (µg/L)	<10	30	32	24	<10	<10	11	12	12
Nitrate (µg/L)	135	150	49	138	<5	<5	<5	<5	18
Chlorophyll (µg/L)	4.5	5.6	14.1	23.3	25.5	47.8	40.4	26.4	17.9
Sediment (mg/L)	1.4	1.0	2.8	3.2	6.6	6.8	7.8	5.0	3.5
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	0.14	<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

2020 Algal Toxin Results



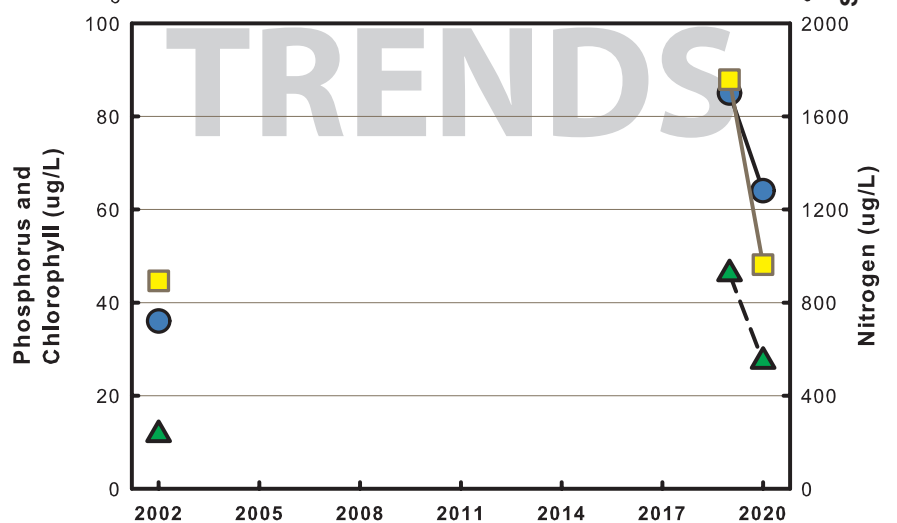
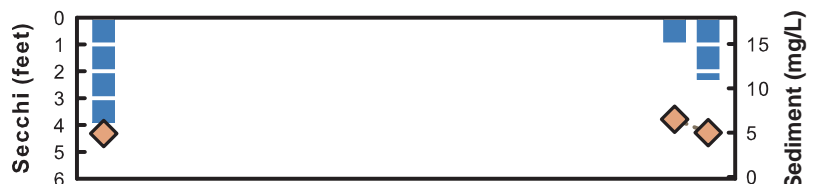
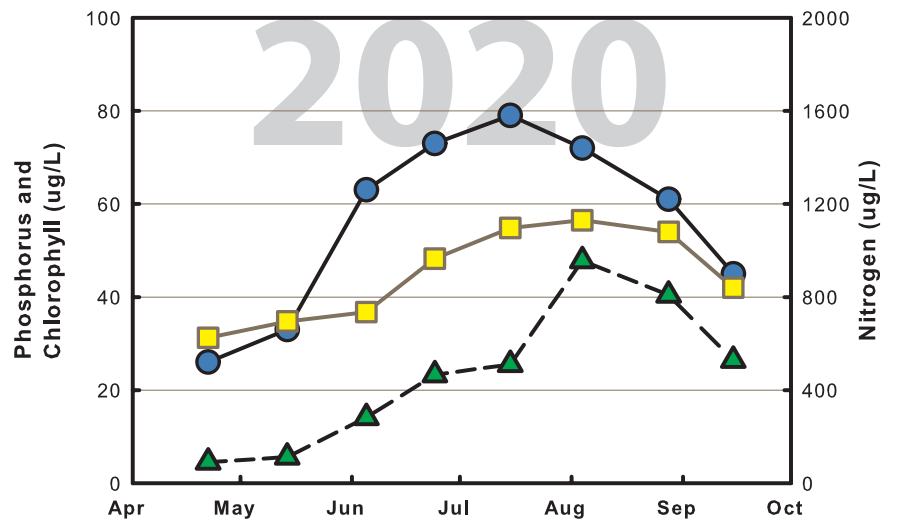
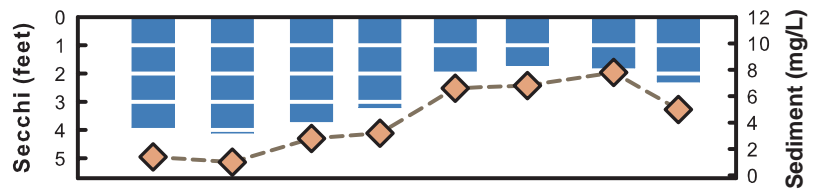
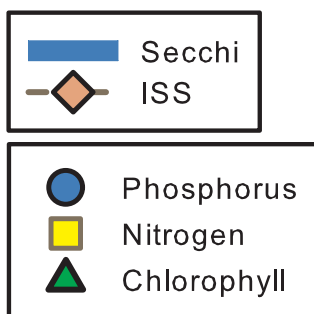
(* Table shows geometric means)

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

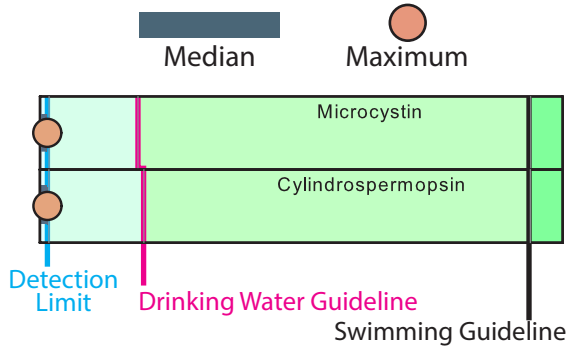
Legend for 2020 and Trend graphs



Clearfork Site 1

2020 Data Table	4/25	5/15	6/1	6/22	7/13	8/16	8/24	Mean*
Temp (F)	59	63	74	80	86	81	83	75
Secchi (feet)	3.2	1.8	3.2	3.4	3.8	2.2	3.9	3.0
Phosphorus (µg/L)	23	50	31	35	27	37	24	31
Nitrogen (µg/L)	385	585	545	680	570	765	670	588
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	3.8	18.5	8.7	23.3	12.2	26.5	13.3	13.0
Sediment (mg/L)	3.5	4.4	2.3	1.0	0.3	0.9	0.7	1.3
Microcystin (µg/L)	0.12	<0.10	0.11	<0.10	<0.10	0.12	0.12	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



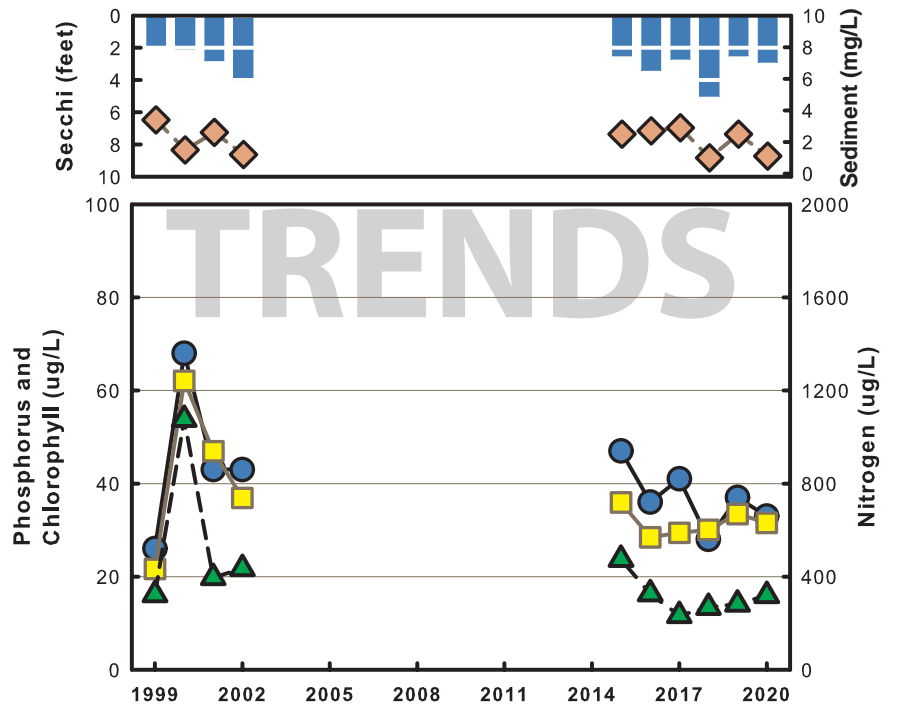
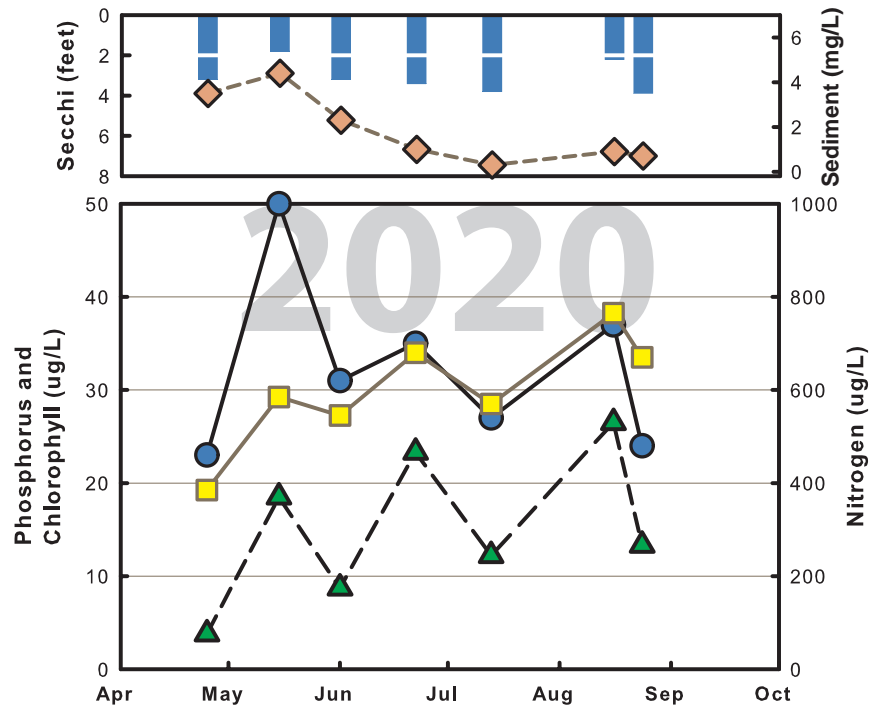
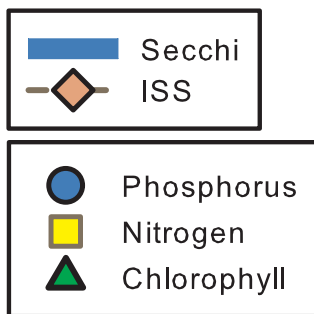
(* Table shows geometric means)

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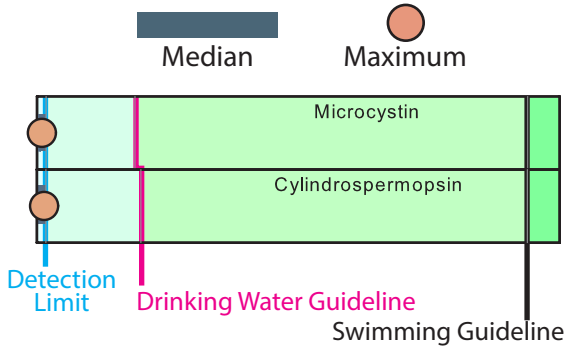
Legend for 2020 and Trend graphs



Clearwater Site 1

2020 Data Table	4/22	5/11	6/3	6/24	7/15	8/4	9/1	9/21	Mean*
Temp (F)	57	63	82	84	88		79	75	75
Secchi (feet)	2.8	3.7	3.3	7.9	3.8	5.7	6.2	3.3	4.3
Phosphorus (µg/L)	18	10	10	12	19	18	14	19	15
Nitrogen (µg/L)	335	245	160	125	200	205	210	230	206
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	9.5	4.8	6.7	2.4	6.9	8.4	5.7	6.5	6.0
Sediment (mg/L)	5.1	4.6	3.4	2.1	3.0	2.8	1.9	4.8	3.3
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

2020 Algal Toxin Results



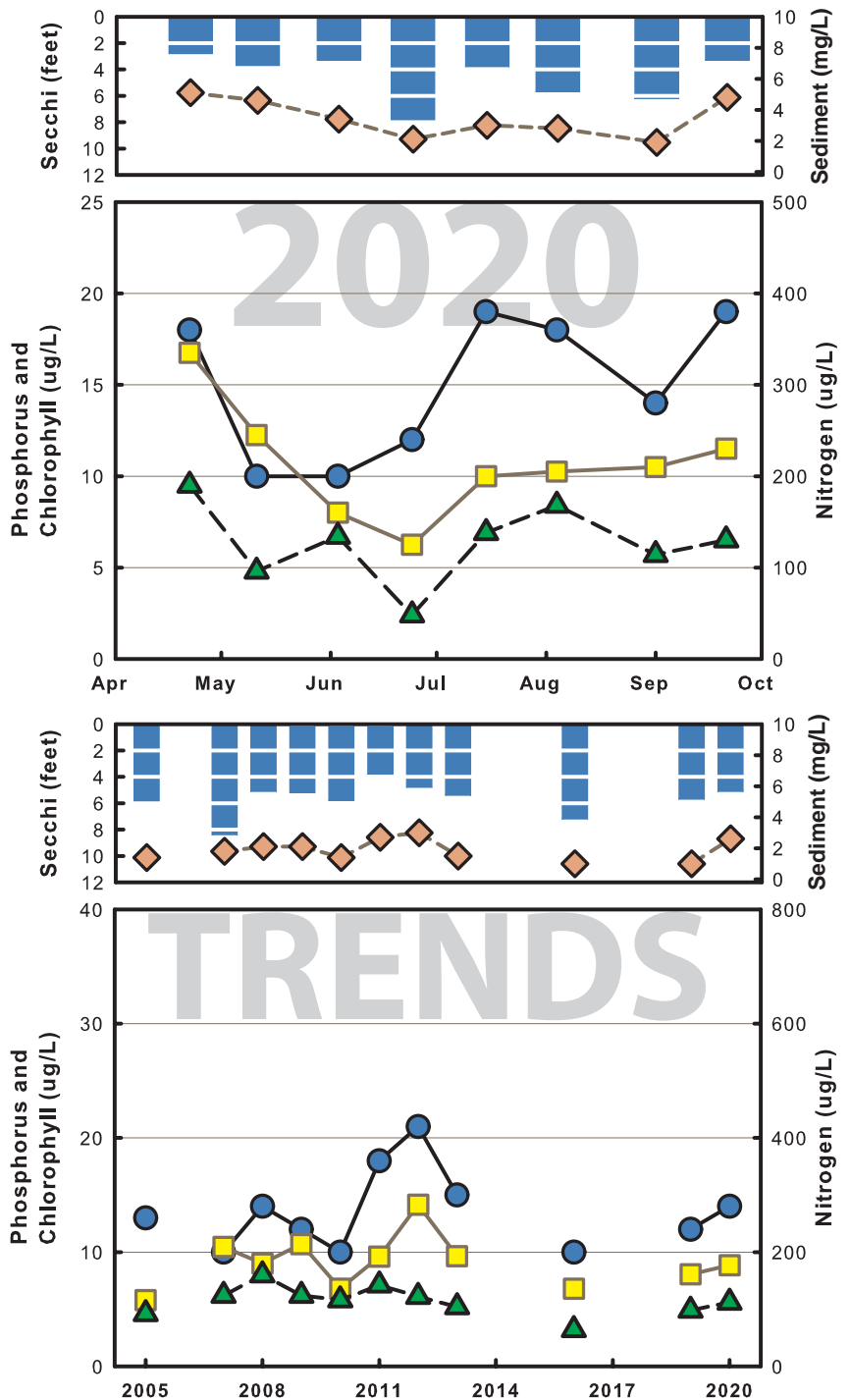
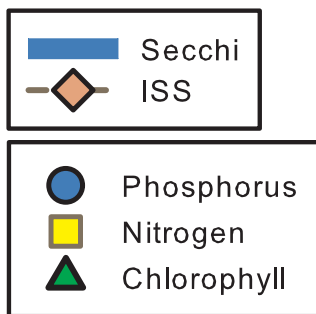
(* Table shows geometric means)

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Sept. 15 only)

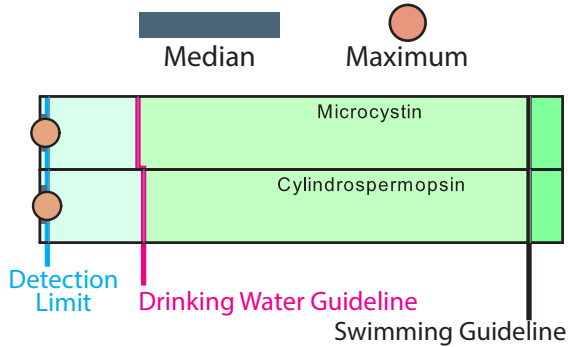
Legend for 2020 and Trend graphs



Clearwater Site 2

2020 Data Table	4/22	5/11	6/3	6/24	7/15	8/4	9/1	9/21	Mean*
Temp (F)	57	62	83	81	88	83	77	76	75
Secchi (feet)	2.4	1.3	3.3	0.9	1.8	2.9	2.0	1.4	1.8
Phosphorus (µg/L)	12	27	15	43	32	24	43	39	27
Nitrogen (µg/L)	295	230	235	250	385	265	275	215	265
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	2.0	7.0	6.0	10.0	9.0	6.0	15.0	11.0	7.2
Sediment (mg/L)	6.5	22.3	3.4	26.6	7.6	3.9	7.0	14.5	8.9
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

2020 Algal Toxin Results



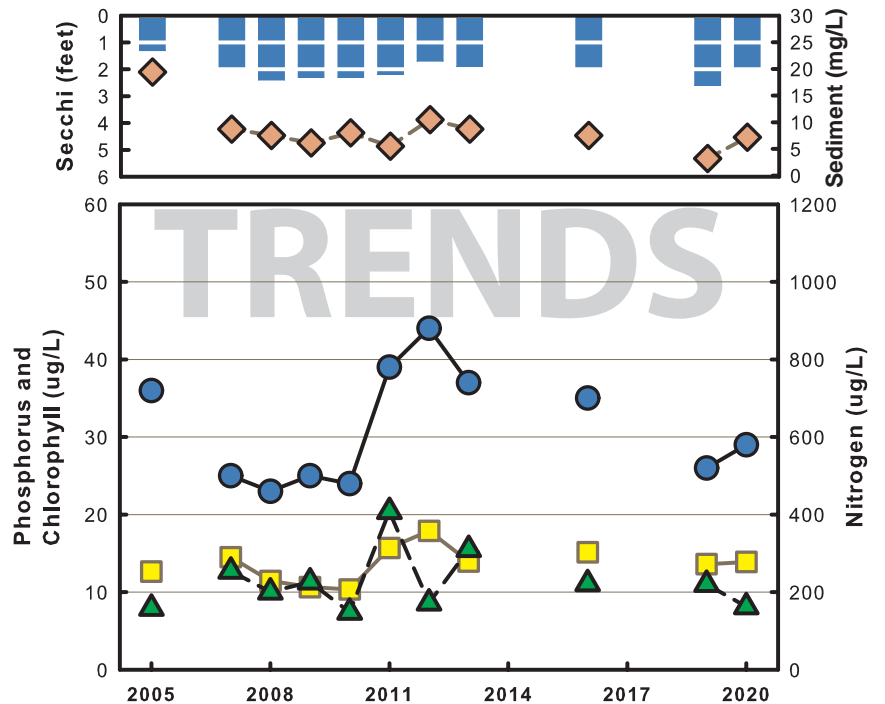
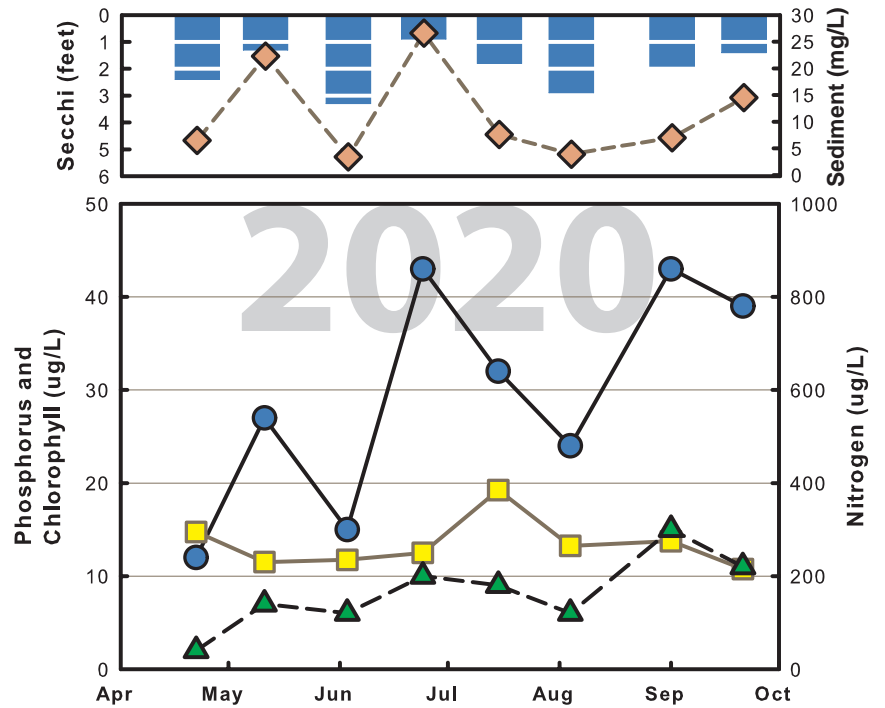
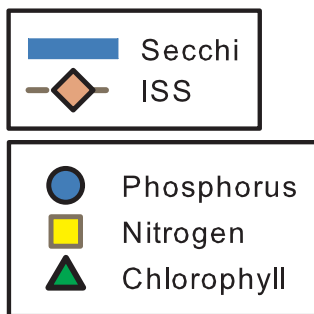
(* Table shows geometric means)

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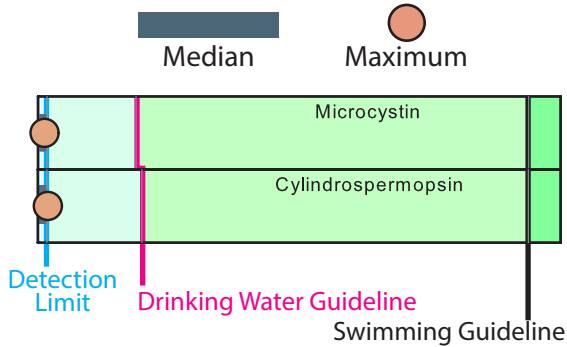
Legend for 2020 and Trend graphs



Clearwater Site 3

2020 Data Table	4/22	5/11	6/3	6/24	7/15	8/4	9/1	9/21	Mean*
Temp (F)	56	58	83	81	87	82	77	74	74
Secchi (feet)	3.2	1.4	3.3	2.0	2.7	3.8	2.3	4.0	2.7
Phosphorus (µg/L)	10	23	16	28	38	19	19	7	18
Nitrogen (µg/L)	340	205	360	405	505	185	190	220	282
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	1.0	1.4	8.2	4.8	9.5	5.2	9.1	0.8	3.4
Sediment (mg/L)	4.4	18.9	4.1	5.9	4.5	2.6	5.9	2.8	5.0
Microcystin (µg/L)	0.11	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



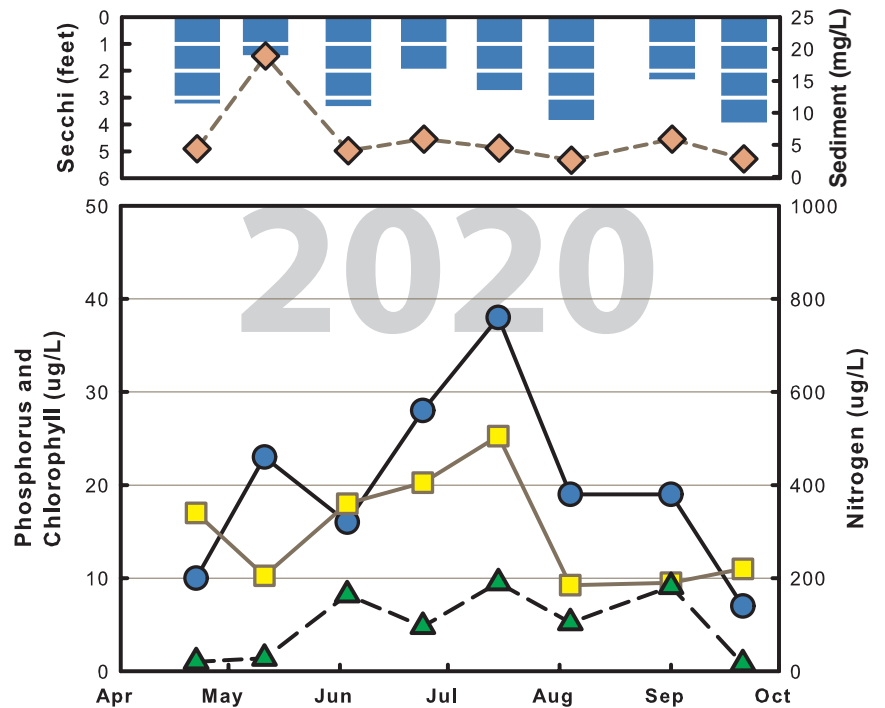
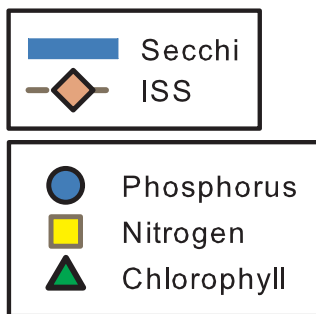
(* Table shows geometric means)

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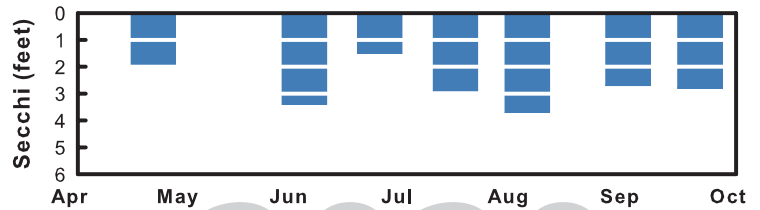
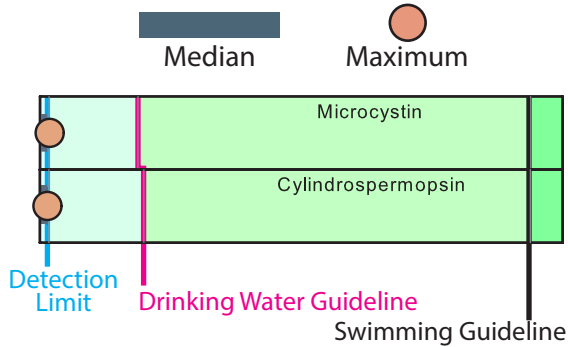
Legend for 2020 and Trend graphs



Clearwater Site 4

2020 Data Table	4/22	5/11	6/3	6/24	7/15	8/4	9/1	9/21	Mean*
Temp (F)	57	59	84	79	87	83	77	74	74
Secchi (feet)	2.0		3.4	1.5	2.9	3.7	2.7	2.8	2.6
Phosphorus (µg/L)									
Nitrogen (µg/L)									
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)									
Sediment (mg/L)									
Microcystin (µg/L)	<0.10	0.12	0.11	0.11	0.16	<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

2020 Algal Toxin Results



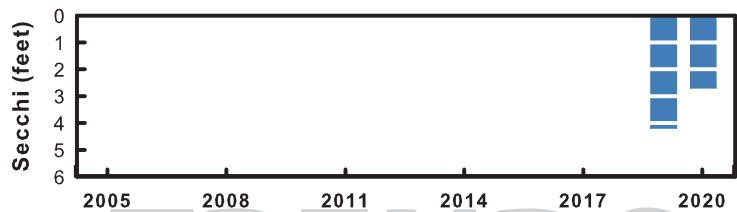
(* Table shows geometric means)

Above: Algal toxin results

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

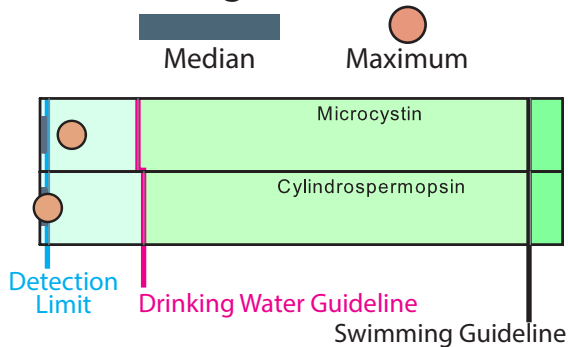
Legend for 2020 and Trend graphs



Creve Coeur Site 2

2020 Data Table	5/1	5/12	6/6	6/24	7/16	8/5	8/26	9/17	Mean*
Temp (F)	63	63	85	85	89	84	84	77	78
Secchi (feet)	1.2	1.2	2.7	1.7	1.6	1.3	2.0	1.3	1.6
Phosphorus (µg/L)	72	87	35	100	102	158	86	108	87
Nitrogen (µg/L)	605	565	480	605	935	1035	600	705	670
Ammonium (µg/L)	<10	<10	18	<10	<10	<10	<10	12	<10
Nitrate (µg/L)	65	<5	<5	<5	<5	<5	<5	<5	<5
Chlorophyll (µg/L)	31.6	59.6	15.1	30.7	96.4	49.2	31.7	47.6	39.8
Sediment (mg/L)	13.8	19.0	2.8	6.4	5.6	10.6	5.6	18.2	8.5
Microcystin (µg/L)	<0.10	0.52	0.12	0.11	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04					<0.04	<0.04	<0.04	0.06

2020 Algal Toxin Results



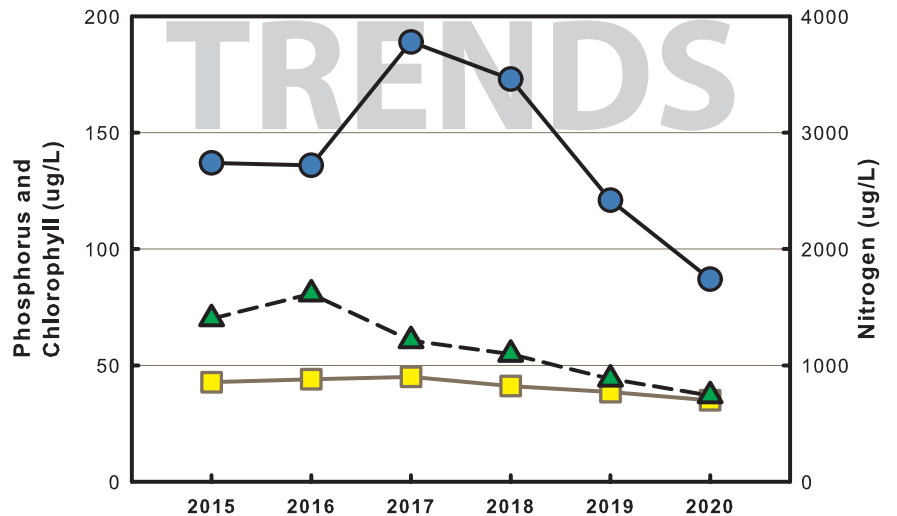
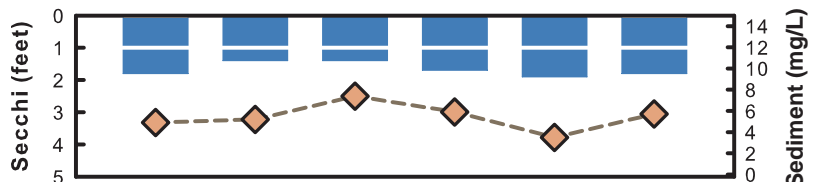
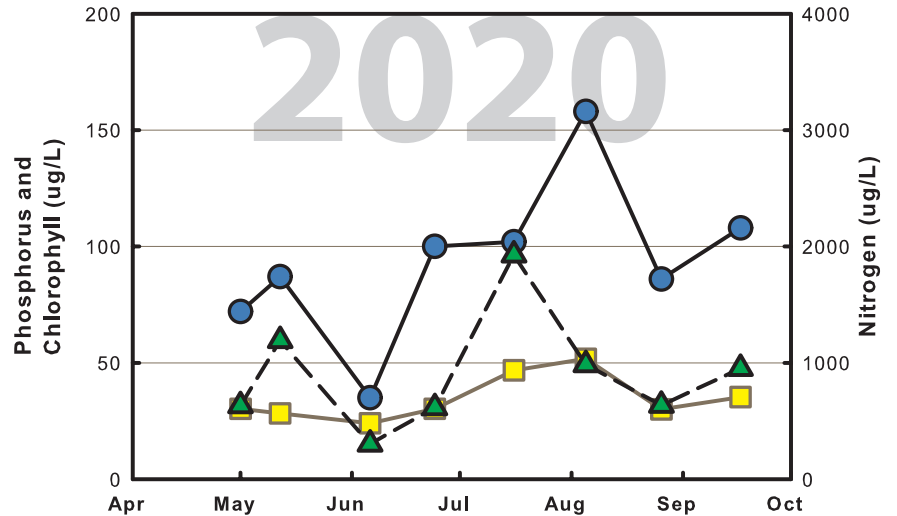
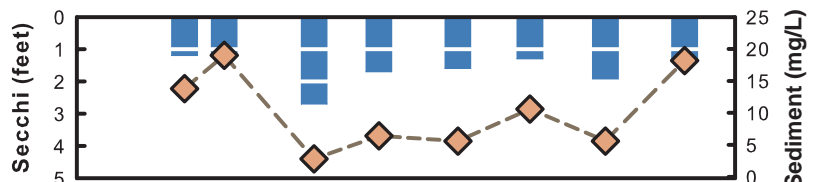
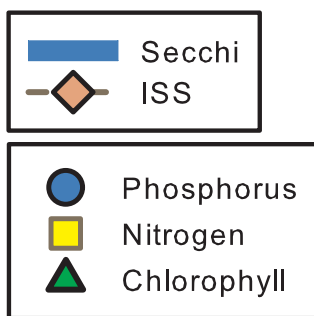
(* Table shows geometric means)

Above: Algal toxin results

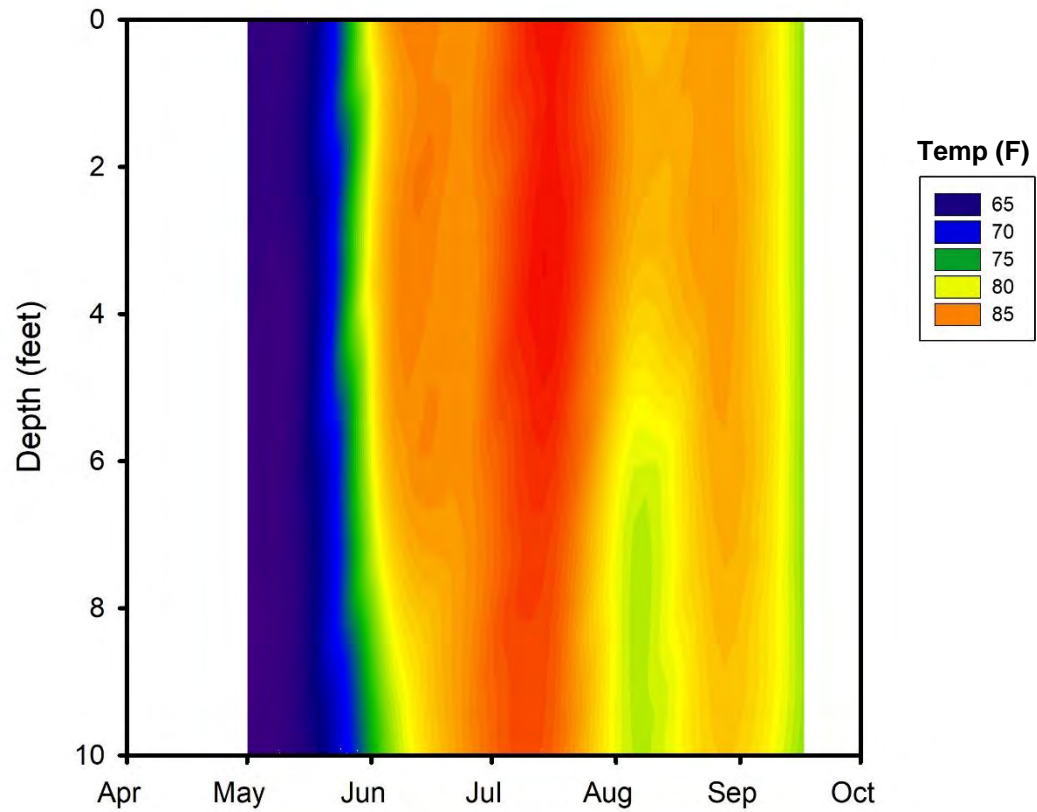
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Creve Coeur 2



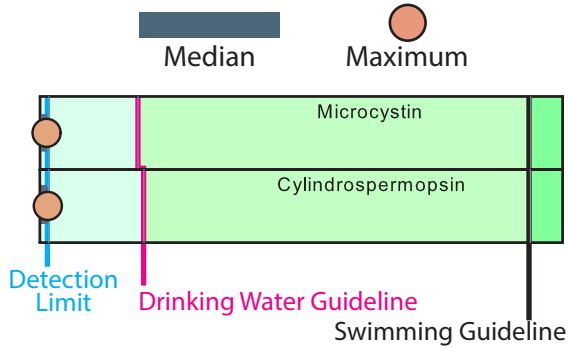
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

Finger Lake Site 1

2020 Data Table	7/20
Temp (F)	84
Secchi (feet)	5.6
Phosphorus (µg/L)	14
Nitrogen (µg/L)	505
Ammonium (µg/L)	66
Nitrate (µg/L)	<5
Chlorophyll (µg/L)	6.9
Sediment (mg/L)	0.4
Microcystin (µg/L)	0.12
Cylindro (µg/L)	<0.04

2020 Algal Toxin Results



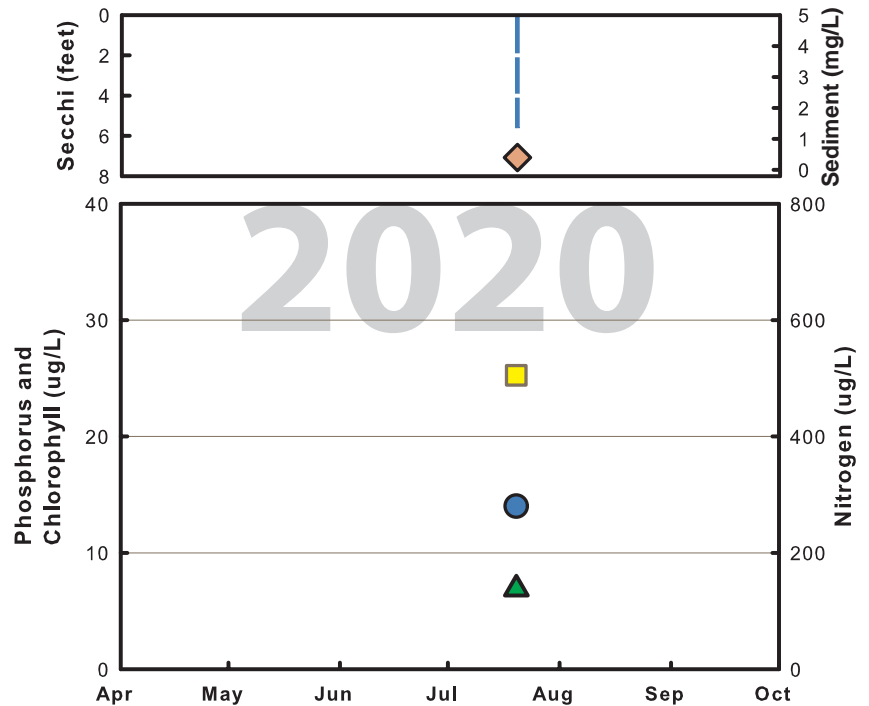
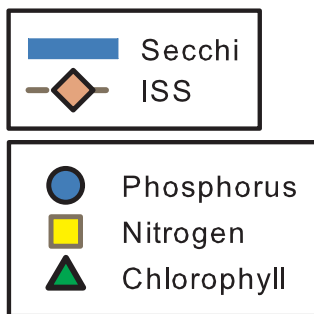
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Forest Lake Site 1

2020 Data Table	4/24	5/13	6/4	6/30	7/16	8/5	8/27	9/16	Mean*
Temp (F)	60	58	75	83	82	79	80	71	73
Secchi (feet)	2.2	2.8	2.1	2.9	3.5	4.3	6.0	5.8	3.4
Phosphorus (µg/L)	25	26	31	19	12	17	15	12	19
Nitrogen (µg/L)	520	600	440	530	370	435	355	375	446
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.1	3.5	3.5	8.8	8.7	5.8	2.8	5.1	4.7
Sediment (mg/L)	4.9	3.8	5.4	2.1	3.3	2.1	1.7	1.3	2.7
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

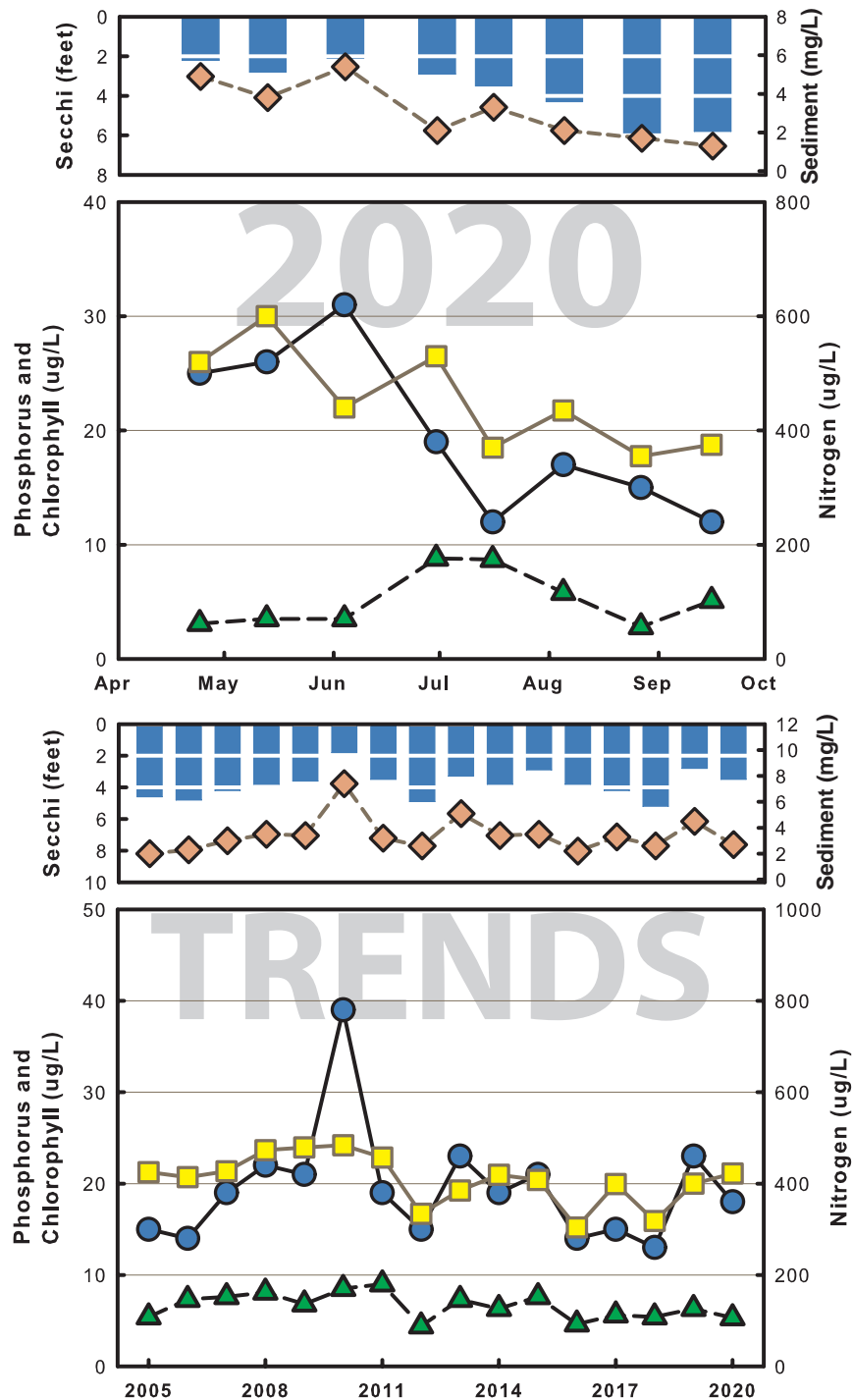
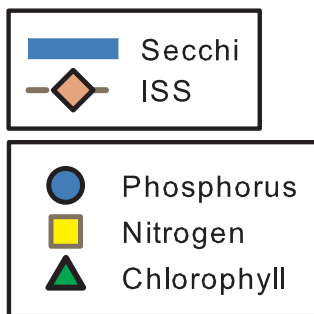
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Forest Lake Site 2

2020 Data Table	4/24	5/13	6/4	6/30	7/16	8/5	8/27	9/16	Mean*
Temp (F)	60	58	75	83	82	79	85	72	74
Secchi (feet)	1.8	2.2	2.0	1.8	2.3	2.0	3.2	3.7	2.3
Phosphorus (µg/L)	30	30	29	33	41	29	18	16	27
Nitrogen (µg/L)	490	500	450	475	495	485	335	405	451
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.1	4.0	7.2	9.5	25.2	12.5	9.6	9.9	8.4
Sediment (mg/L)	6.9	9.5	5.6	10.4	8.0	9.1	6.1	3.2	6.9
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

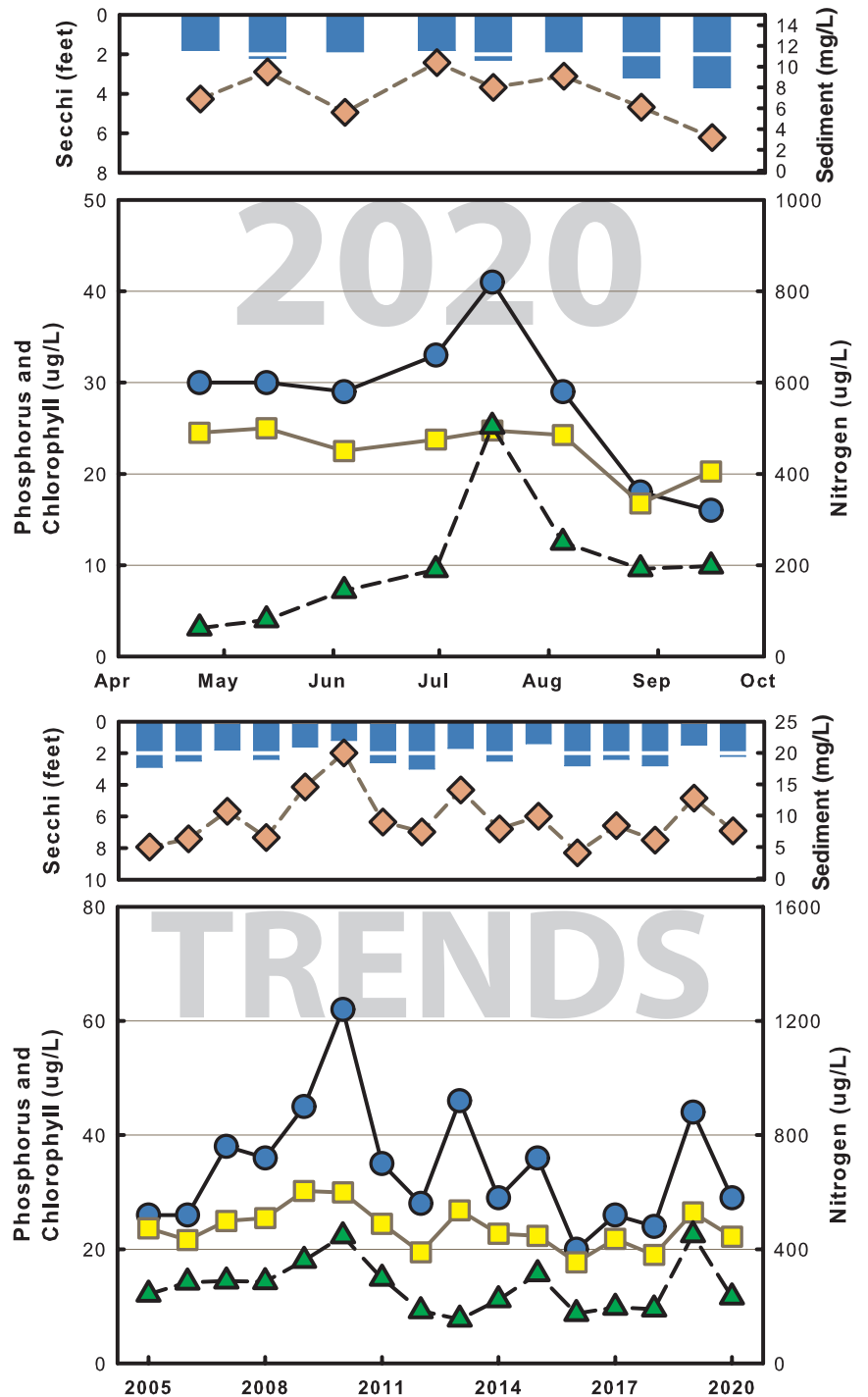
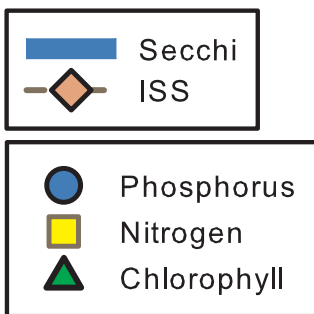
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Hazel Creek Site 1

2020 Data Table	4/24	5/13	6/4	6/30	7/16	8/5	8/27	9/16	Mean*
Temp (F)	58	59	75	83	80	75.9	84.9	72	73
Secchi (feet)	4.3	1.7	1.9	3.7	3.2	2.9	2.3	2.8	2.7
Phosphorus (µg/L)	18	20	28	32	23	6	22	22	20
Nitrogen (µg/L)	790	805	790	655	530	410	800	775	677
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	7.9	4.4	7.6	20.9	12.2	23.6	21.8	21.2	12.8
Sediment (mg/L)	1.6	3.2	2.6	4.2	2.4	1.7	3.4	2.4	2.6
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

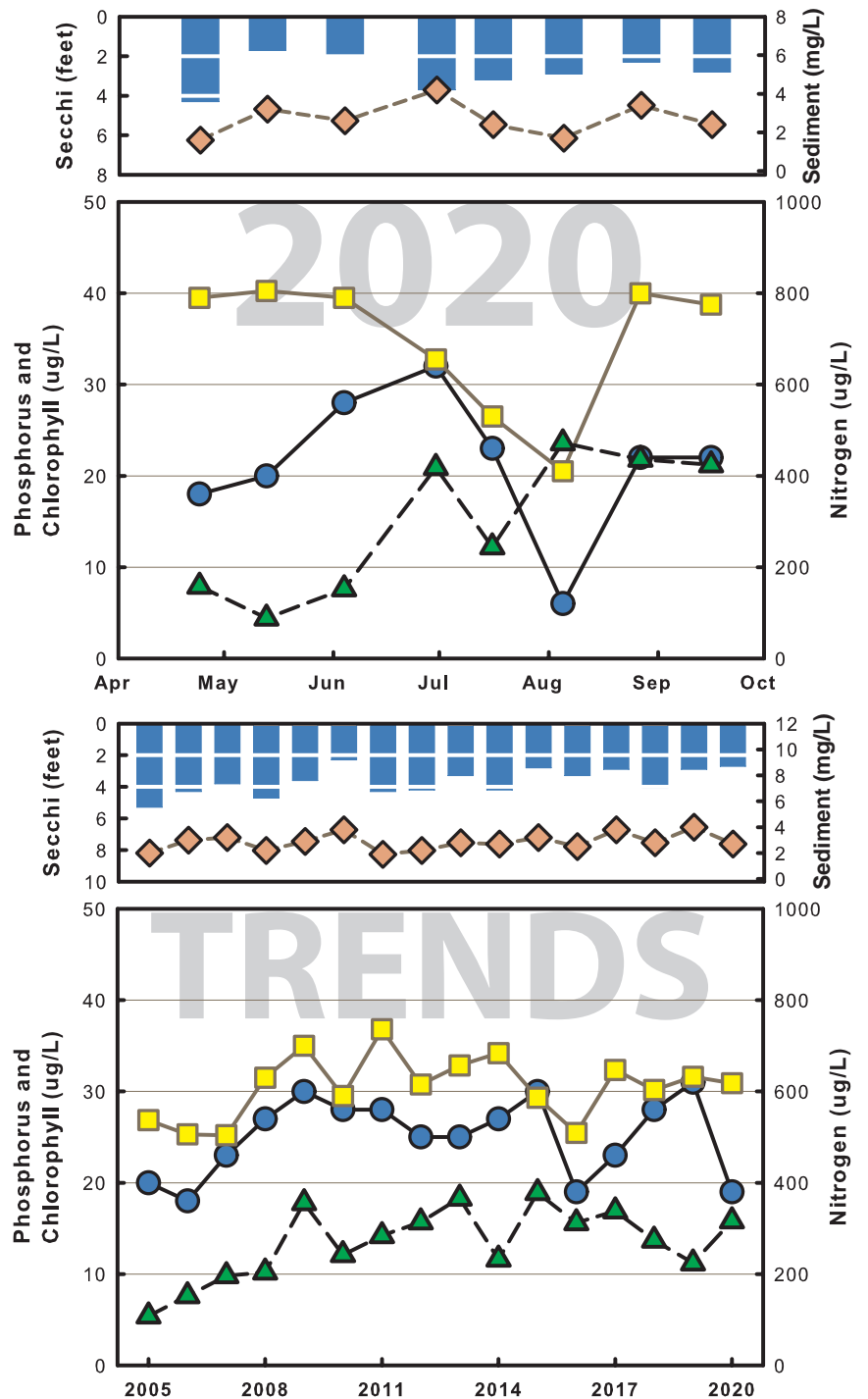
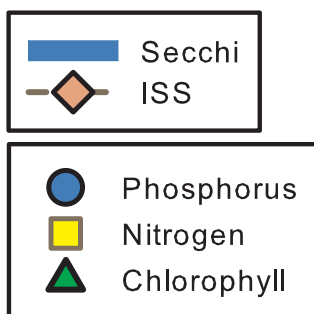
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Hazel Creek Site 2

2020 Data Table	4/24	5/13	6/4	6/30	7/16	8/5	8/27	9/16	Mean*
Temp (F)	60	58	75	80	80	79	82	71	73
Secchi (feet)	2.4	4.3	2.3	3.3	2.9	2.1	2.1	2.3	2.6
Phosphorus (µg/L)	33	25	39	19	31	37	29	23	29
Nitrogen (µg/L)	875	805	855	435	570	760	875	695	716
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	12.7	6.6	15.3	6.5	16.6	27.9	28.3	22.2	14.9
Sediment (mg/L)	5.8	5.8	5.5	4.3	4.7	5.5	4.2	2.4	4.6
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

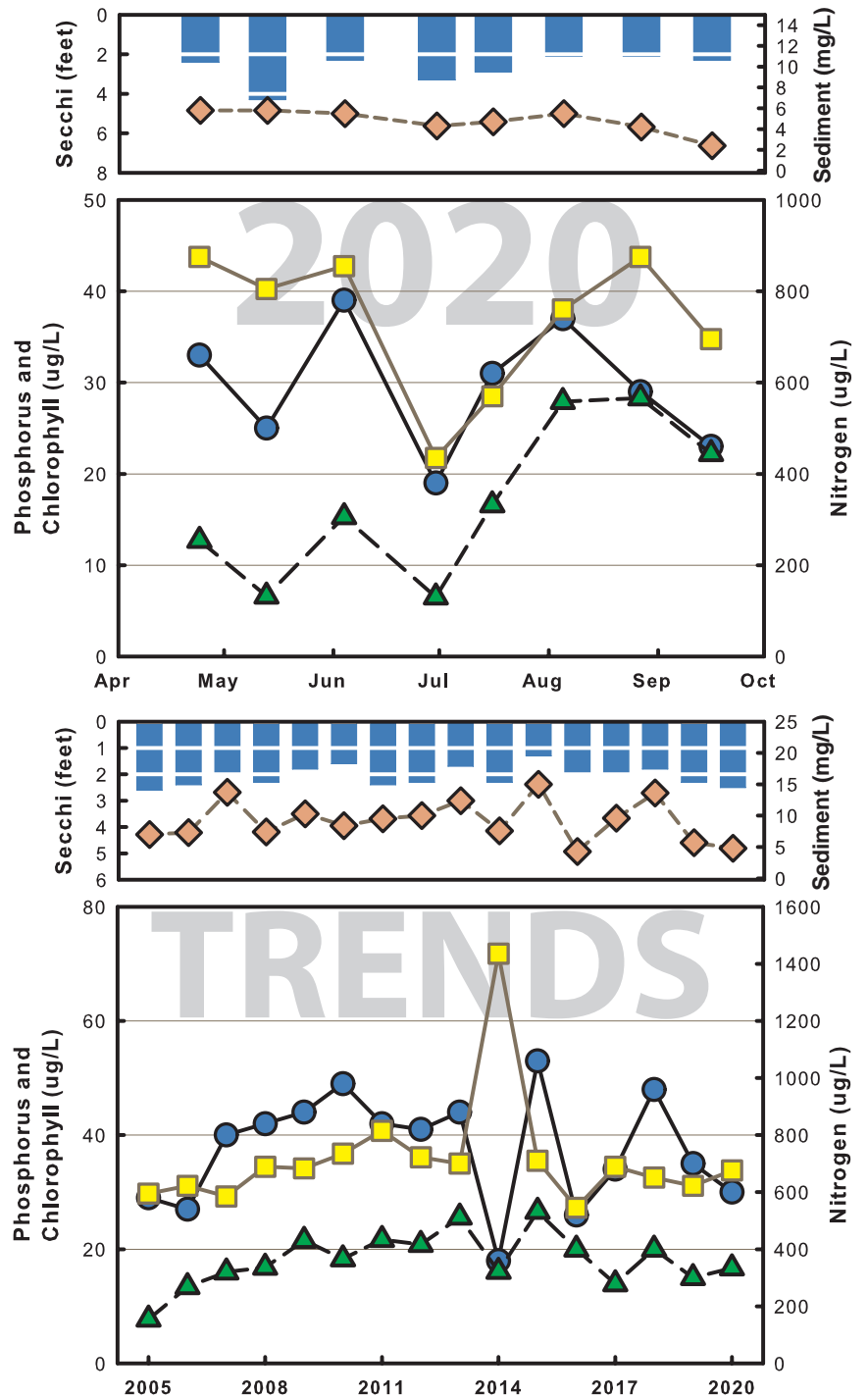
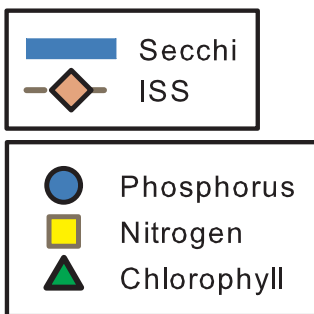
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

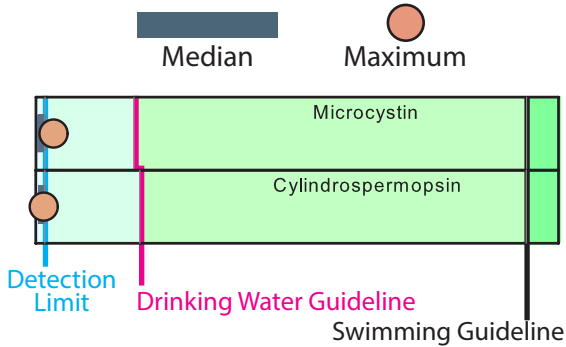
Legend for 2020 and Trend graphs



Hunnewell Site 1

2020 Data Table	4/24	5/21	6/11	6/30	7/20	8/14	8/27	9/18	Mean*
Temp (F)	60	63	76	82	84	82	84	71	75
Secchi (feet)	1.7	1.2	1.5	2.7	3.0	2.5	2.7	2.8	2.2
Phosphorus (µg/L)	78	91	62	42	33	36	35	33	47
Nitrogen (µg/L)	860	1260	1240	770	730	770	925	775	896
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	20.6	13.7	33.2	15.6	20.0	31.9	28.6	27.2	22.8
Sediment (mg/L)	8.8	14.6	7.8	5.2	3.0	3.8	3.0	4.2	5.4
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.25	0.22	0.28	0.29	0.11
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



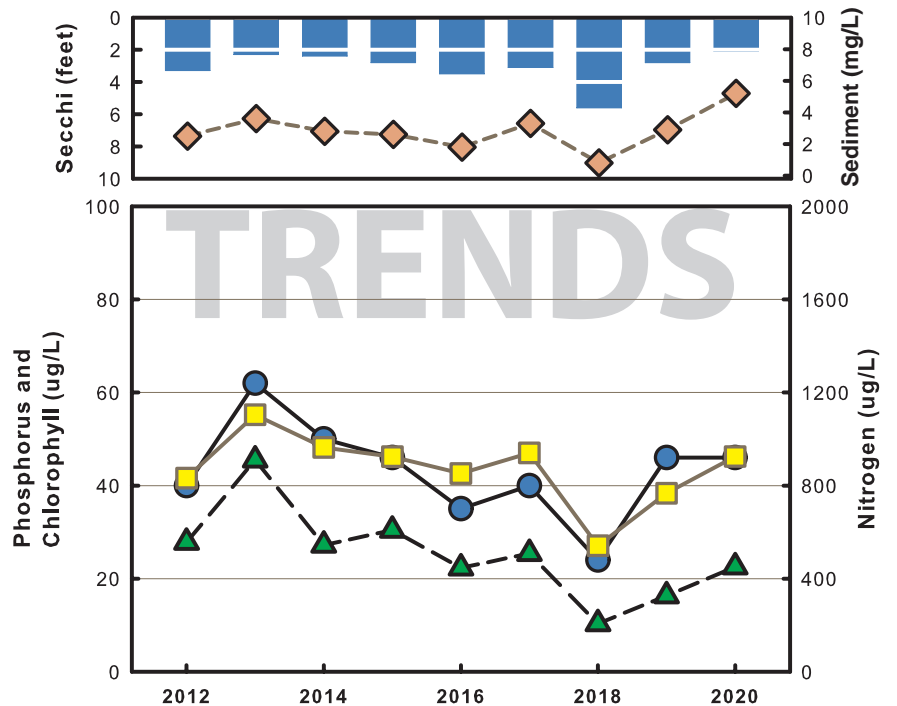
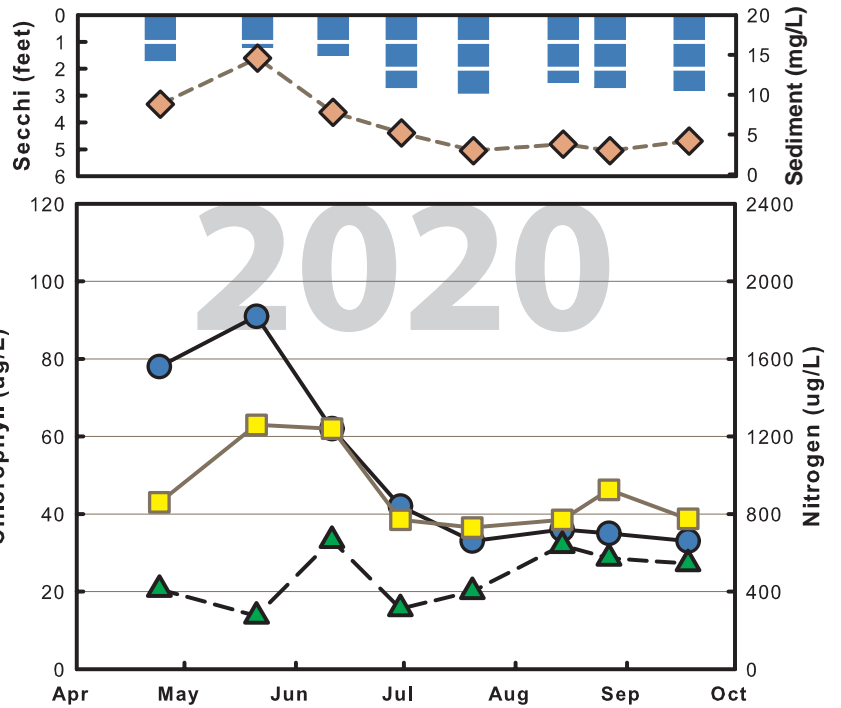
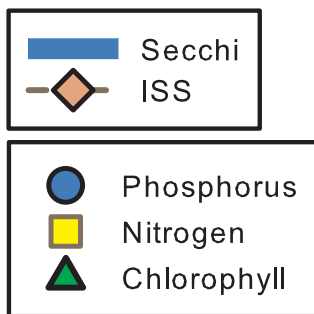
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Jacomo Site 1

2020 Data Table	5/12	6/3	6/24	7/16	8/4	8/25	9/15	Mean*
Temp (F)	61	74	81	84	80	85	75	77
Secchi (feet)	6.8	2.4	4.4	3.6	2.5	2.9	2.8	3.4
Phosphorus (µg/L)	14	18	16	15	26	17	29	19
Nitrogen (µg/L)	545	425	440	405	510	575	475	479
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	5.1	13.1	11.5	13.7	23.6	19.1	23.8	14.1
Sediment (mg/L)	1.2	1.6	1.2	1.1	2.0	0.3	0.7	1.0
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

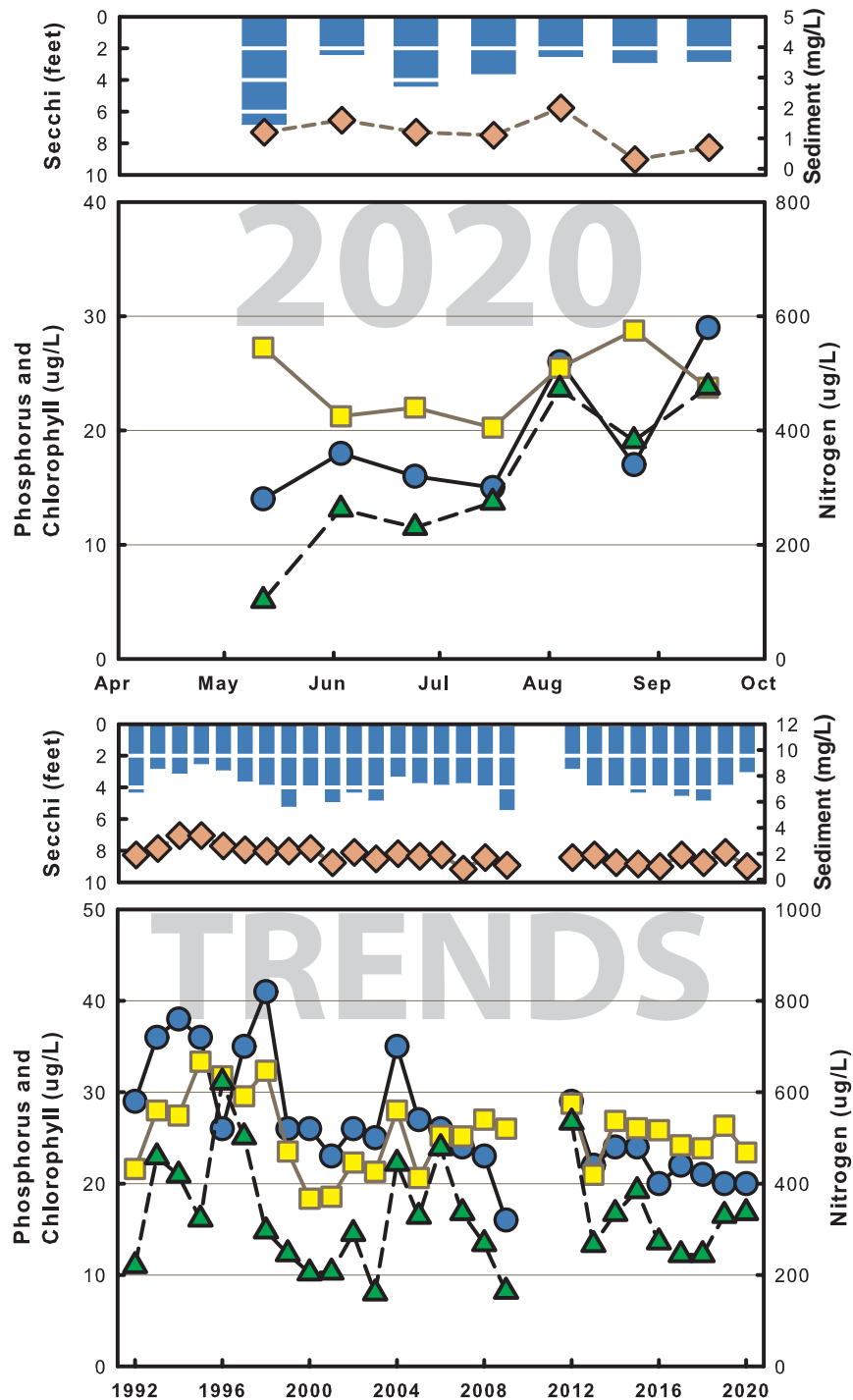
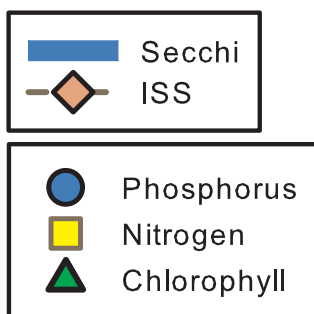
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

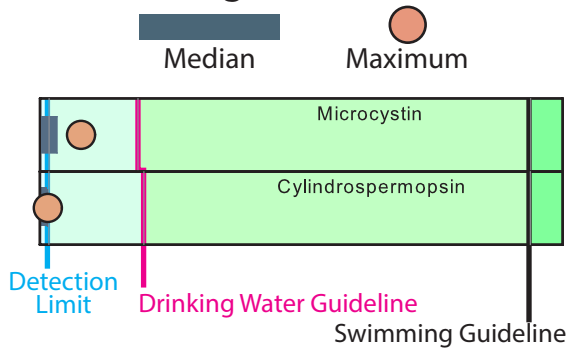
Legend for 2020 and Trend graphs



Koeneman Park (Jennings) Site 1

2020 Data Table	4/26	6/27	7/18	8/8	9/19	Mean*
Temp (F)	68	82	85	83	82	80
Secchi (feet)	4.0	2.7	3.2	3.1	3.3	3.2
Phosphorus (µg/L)	437	329	255	287	196	290
Nitrogen (µg/L)	2040	1530	1763	1985	1475	1744
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	109.9	86.8	32.3	74.6	32.9	59.7
Sediment (mg/L)	3.6	5.3	1.6	1.8	4.8	3.0
Microcystin (µg/L)	0.34	0.67	0.14	0.28	0.14	0.26
Cylindro (µg/L)			<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



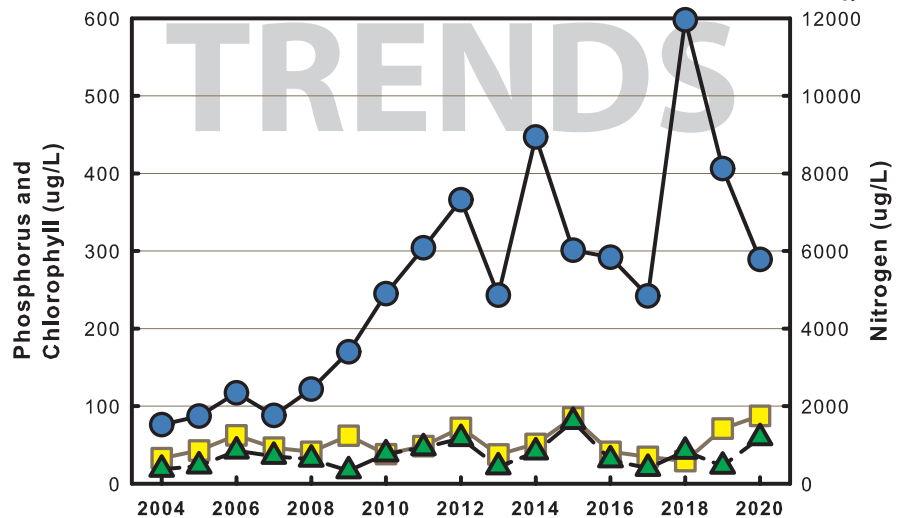
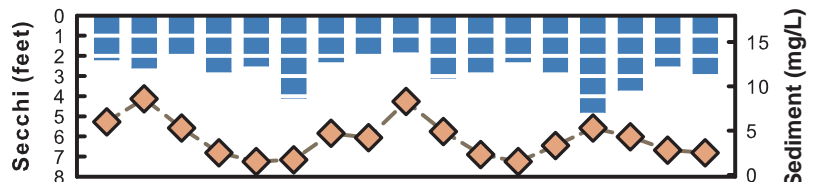
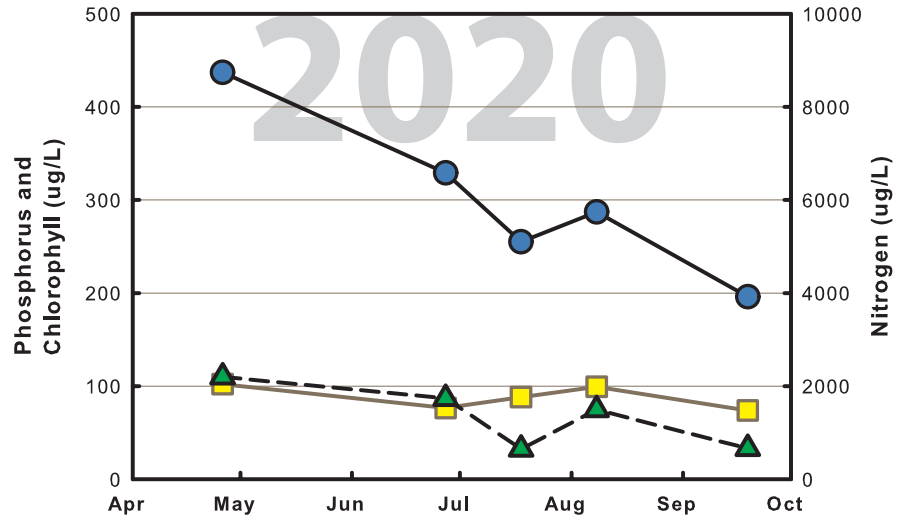
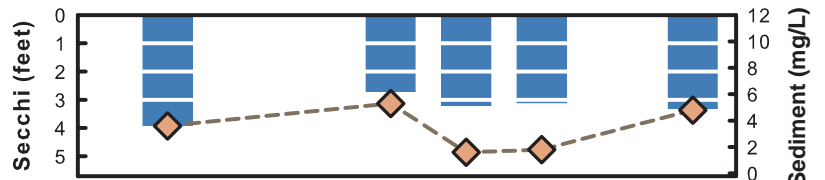
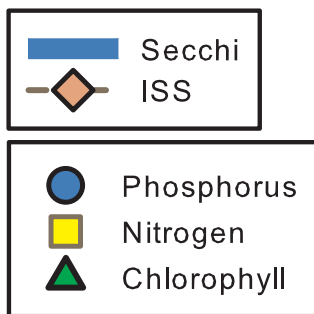
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

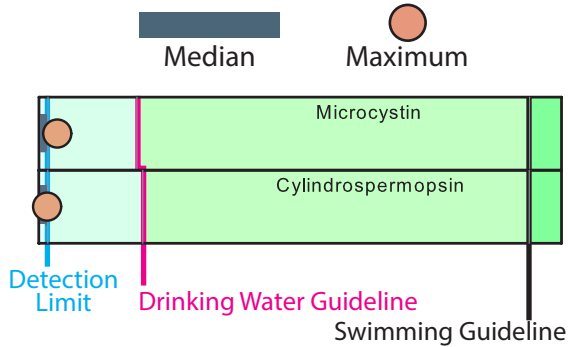
Legend for 2020 and Trend graphs



Lake of the Ozarks Site 1.2

2020 Data Table	4/21	5/14	6/2	6/24	7/14	8/4	8/25	9/15	Mean*
Temp (F)	61	62	74	82	87	84	85	82	77
Secchi (feet)	3.0	5.2	6.0	6.4	4.3	6.3	5.6	5.9	5.2
Phosphorus (µg/L)	46	36	25	28	27	20	19	32	28
Nitrogen (µg/L)	715	895	640	590	540	435	430	410	562
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	25.4	4.9	12.9	14.9	17.7	15.5	10.8	21.3	14.0
Sediment (mg/L)	4.5	1.7	1.1	0.6	1.0	0.6	0.3	0.9	1.0
Microcystin (µg/L)	<0.10	0.30	<0.10	0.13	0.14	<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

2020 Algal Toxin Results



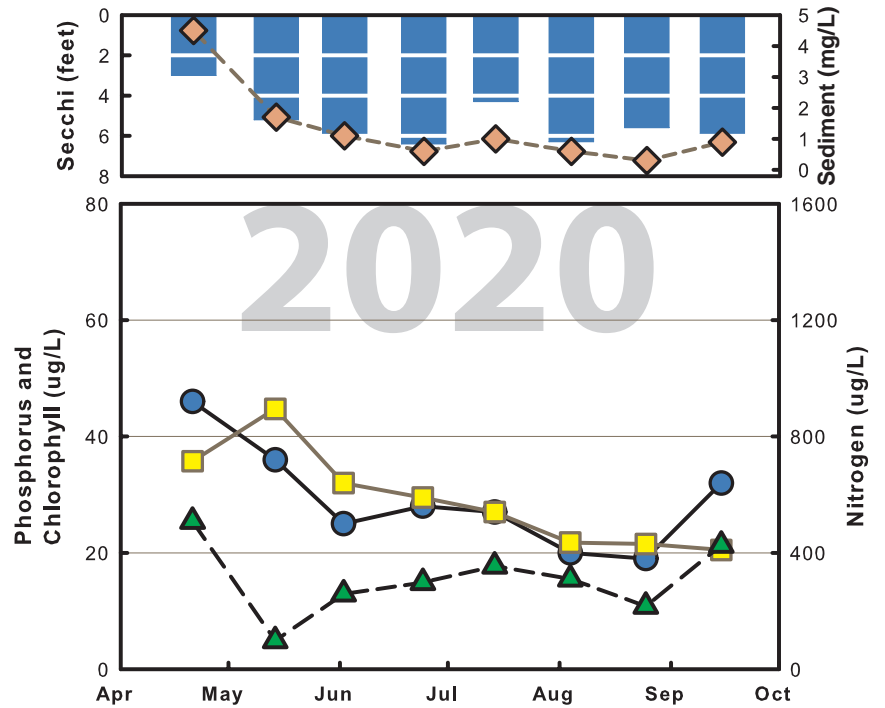
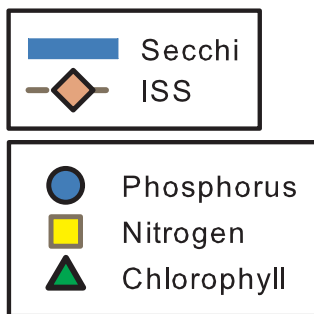
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

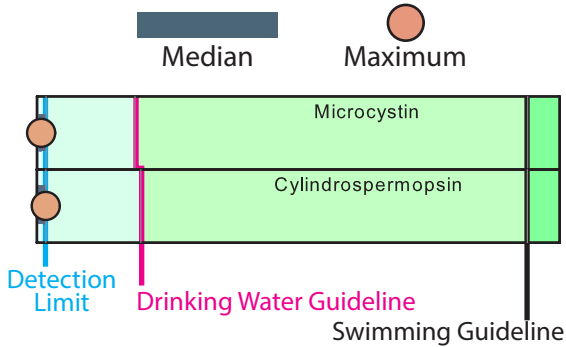
Legend for 2020 and Trend graphs



Lake of the Ozarks Site 2.12

2020 Data Table	6/25	8/5	8/26	9/15	Mean*
Temp (F)	86	91	91	87	89
Secchi (feet)	3.1	2.2	1.8	1.6	2.1
Phosphorus (µg/L)	58	46	55	60	54
Nitrogen (µg/L)	570	540	590	615	578
Ammonium (µg/L)	<10	<10	<10	<10	<10
Nitrate (µg/L)	<5	<5	<5	<5	<5
Chlorophyll (µg/L)	16.3	23.5	23.3	24.8	21.7
Sediment (mg/L)	3.2	4.1	6.1	4.0	4.2
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	<0.10
Cylindro (µg/L)	0.06	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results

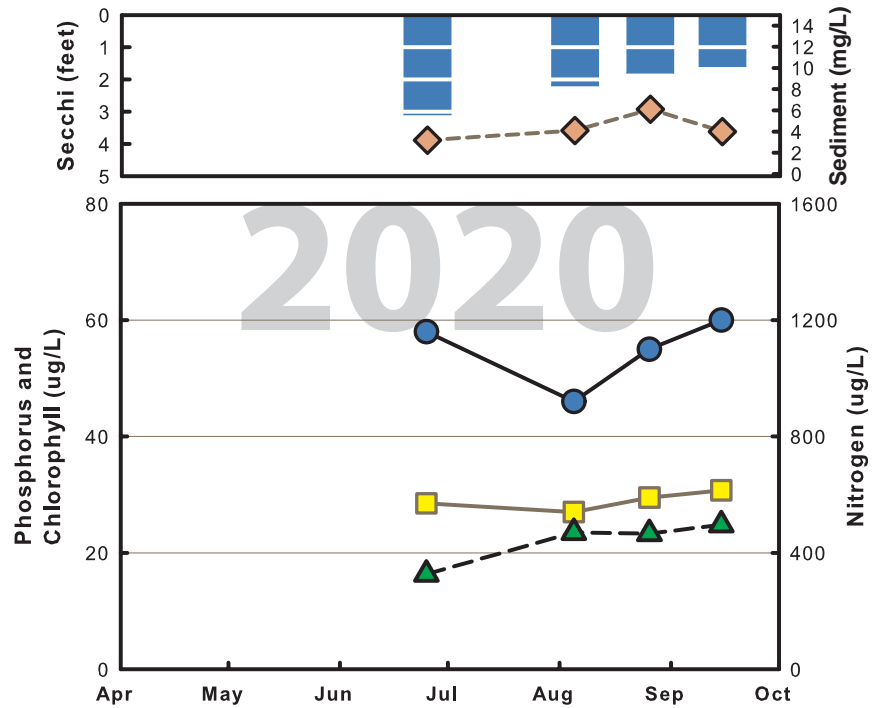


(* Table shows geometric means)

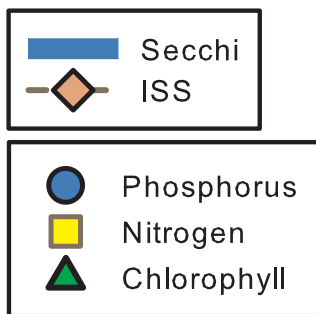
Above: Algal toxin results

Right top: 2020 data graph

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



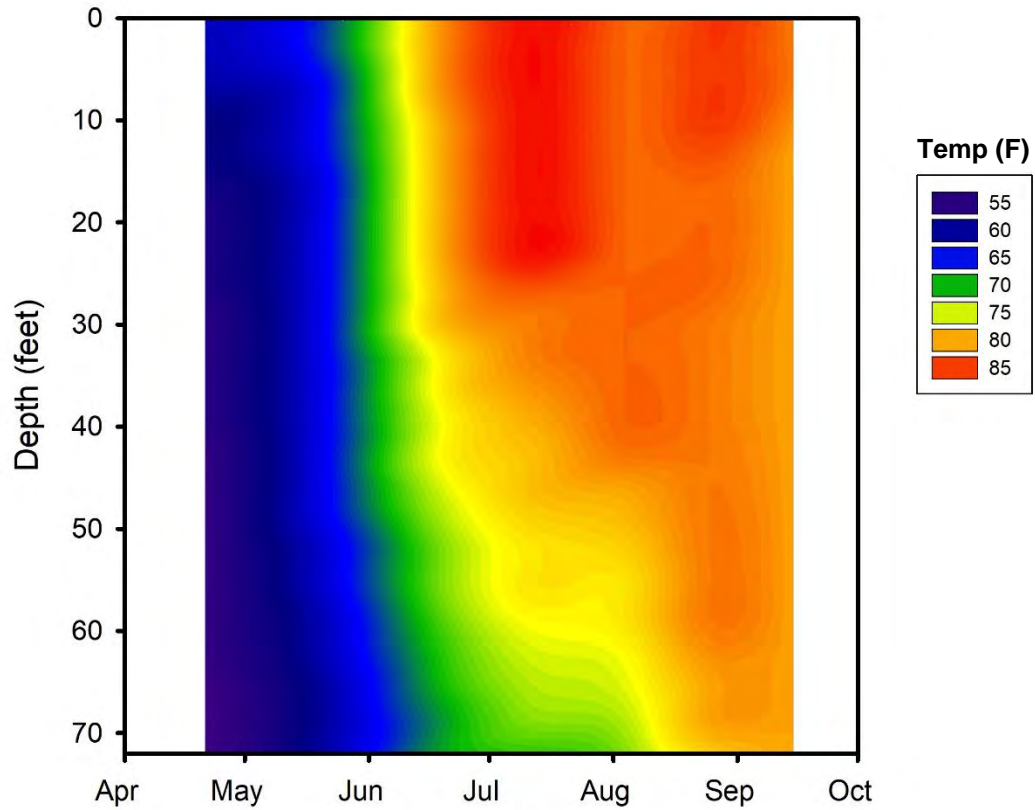
Legend for 2020 and Trend graphs



TRENDS

2020 = First Season of Monitoring

Lake of the Ozarks Site 1.2



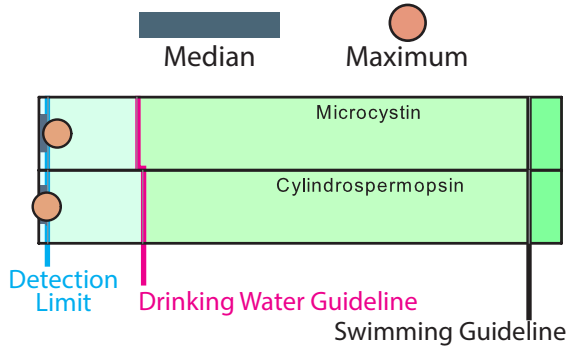
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 21

2020 Data Table	4/25	5/15	6/6	6/29	7/23	8/9	8/30	9/11	Mean*
Temp (F)	59	68	82	85	88	84	84	82	78
Secchi (feet)	4.1	3.9	4.4	4.4	5.1	6.4	4.4	4.8	4.6
Phosphorus (µg/L)	60	104	34	31	21	28	30	45	39
Nitrogen (µg/L)	885	1060	1330	720	750	400	480	575	723
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	12.1	32.5	14.3	14.3	16.1	13.2	19.6	34.1	18.1
Sediment (mg/L)	2.7	3.7	2.4	1.0	0.9	1.3	1.3	1.7	1.7
Microcystin (µg/L)	<0.10	<0.10	0.30	0.23	0.13	0.15	<0.10	0.13	0.11
Cylindro (µg/L)	<0.04		<0.04				<0.04	<0.04	<0.04

2020 Algal Toxin Results



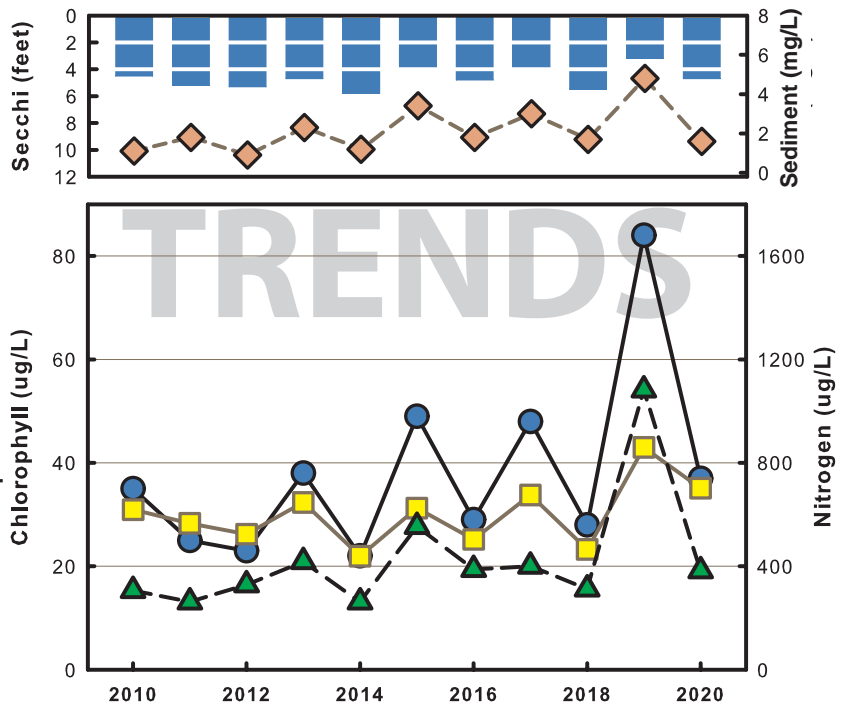
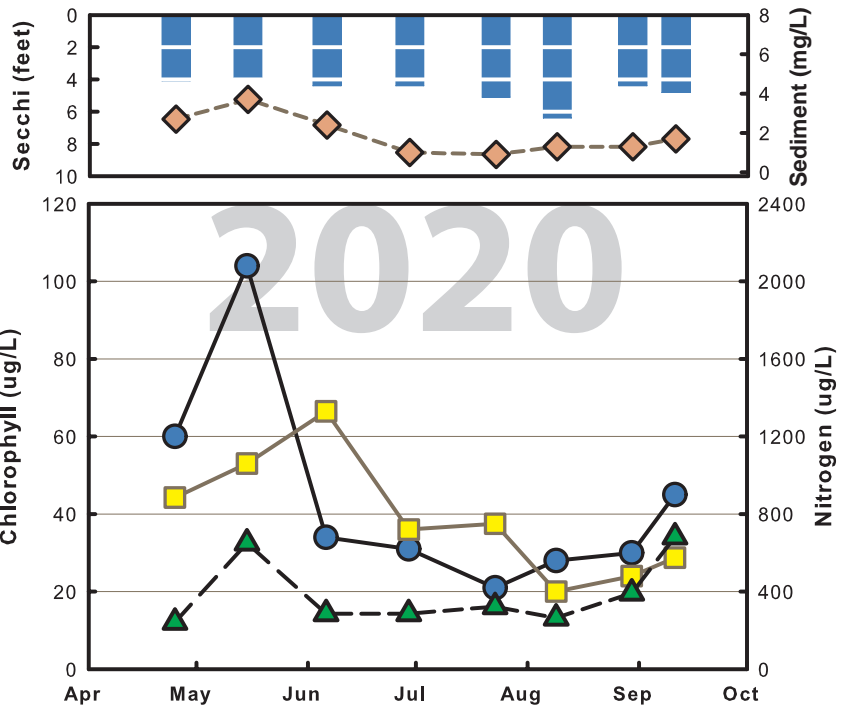
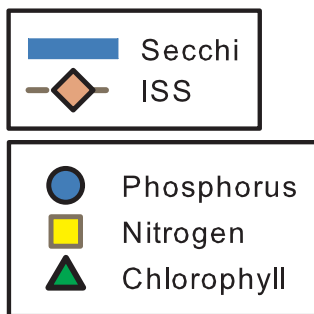
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

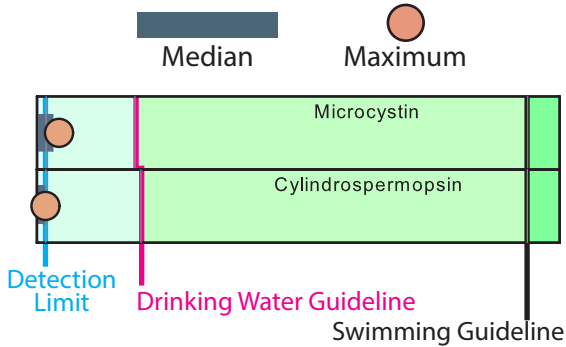
Legend for 2020 and Trend graphs



Lake of the Ozarks Site 26

2020 Data Table	6/23	7/14	8/4	8/25	9/15	Mean*
Temp (F)	80	85	82	83	78	82
Secchi (feet)	4.2	4.4	4.2	3.7	4.4	4.2
Phosphorus (µg/L)	36	27	30	36	41	34
Nitrogen (µg/L)	890	550	380	485	425	521
Ammonium (µg/L)	<10	<10	17	<10	<10	<10
Nitrate (µg/L)	400	25	<5	<5	149	27
Chlorophyll (µg/L)	28.5	24.8	20.7	23.0	10.7	20.5
Sediment (mg/L)	3.0	1.2	1.6	1.0	2.9	1.8
Microcystin (µg/L)	0.26	<0.10	0.28	0.27	0.36	0.20
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



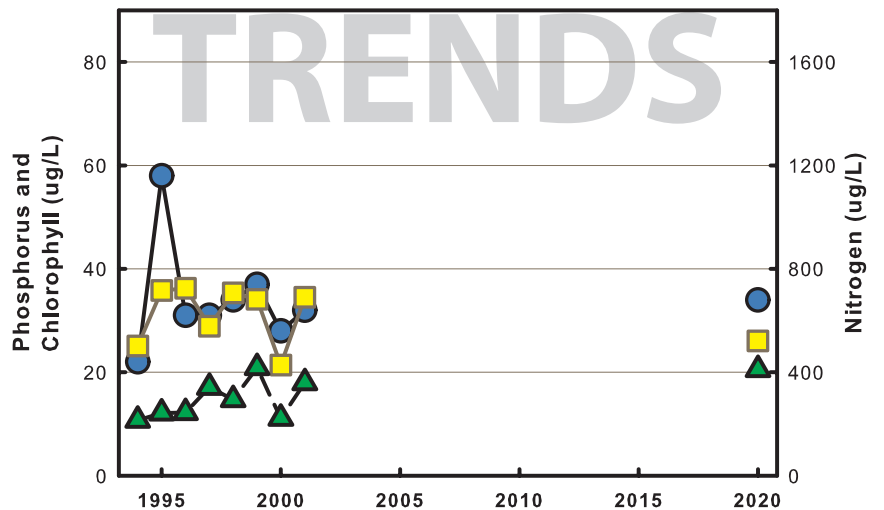
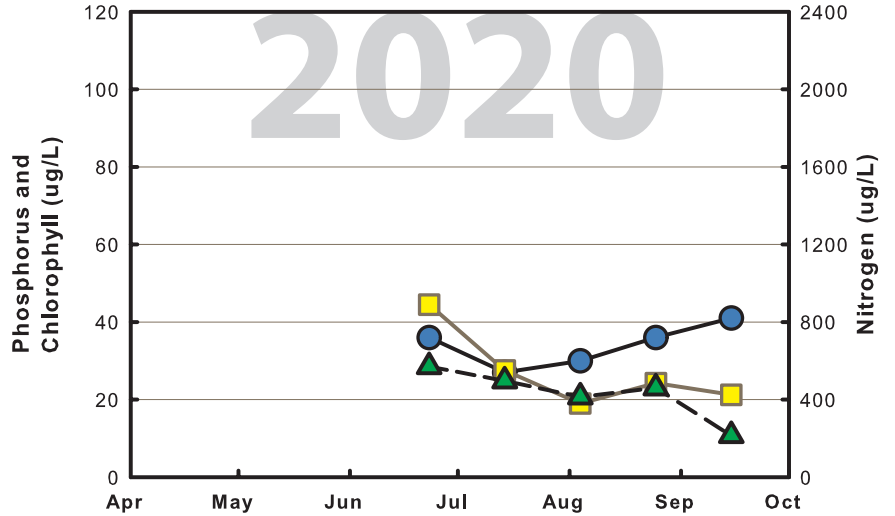
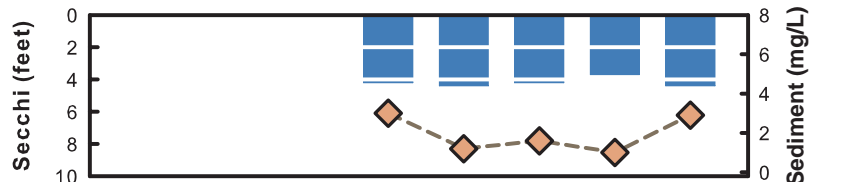
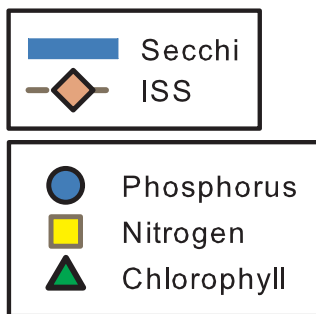
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

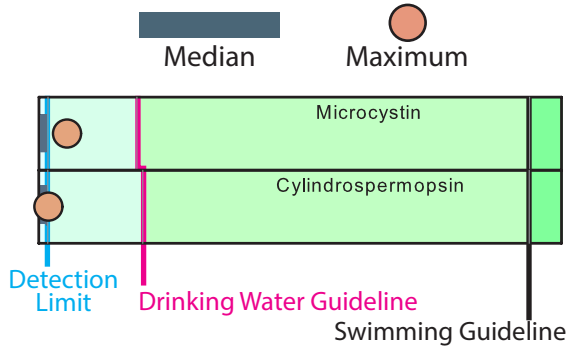
Legend for 2020 and Trend graphs



Lake of the Ozarks Site 3

2020 Data Table	4/21	5/14	6/2	6/24	7/14	8/4	8/25	9/15	Mean*
Temp (F)	61	62	75	83	86	84	85	82	77
Secchi (feet)	3.0	5.2	5.4	4.9	4.3	6.2	5.9	6.1	5.0
Phosphorus (µg/L)	60	39	29	41	34	18	21	37	33
Nitrogen (µg/L)	875	760	780	670	555	420	425	460	596
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	7.5	3.8	17.4	21.1	18.3	13.9	12.7	12.6	12.0
Sediment (mg/L)	2.5	1.1	1.5	0.7	1.0	0.6	0.2	0.5	0.8
Microcystin (µg/L)	<0.10	0.46	<0.10	0.13	0.18	<0.10	0.12	0.12	0.11
Cylindro (µg/L)	<0.04	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



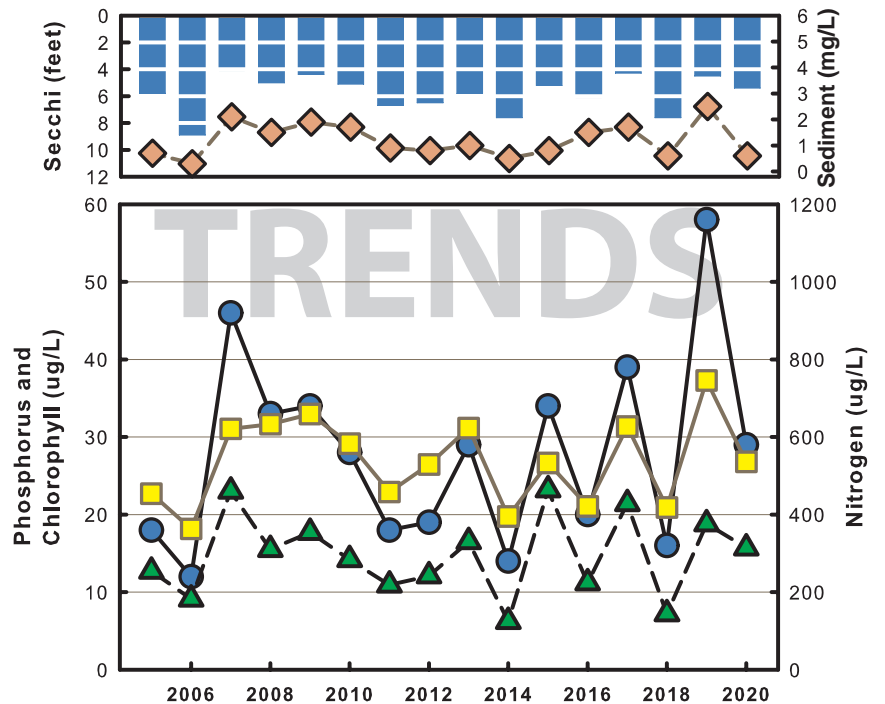
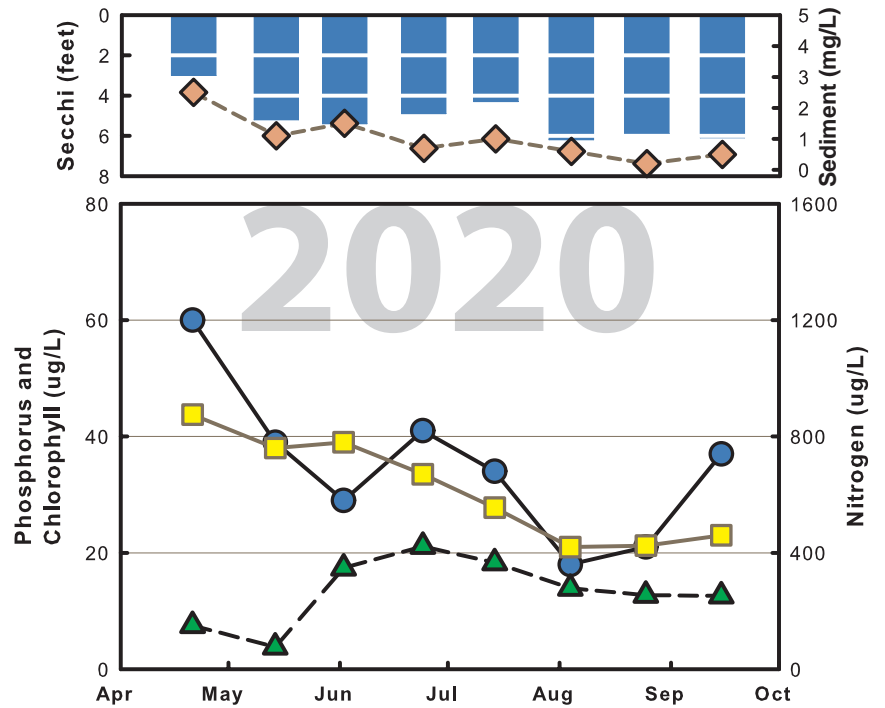
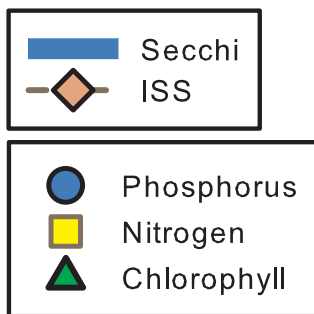
(* Table shows geometric means)

Above: Algal toxin results

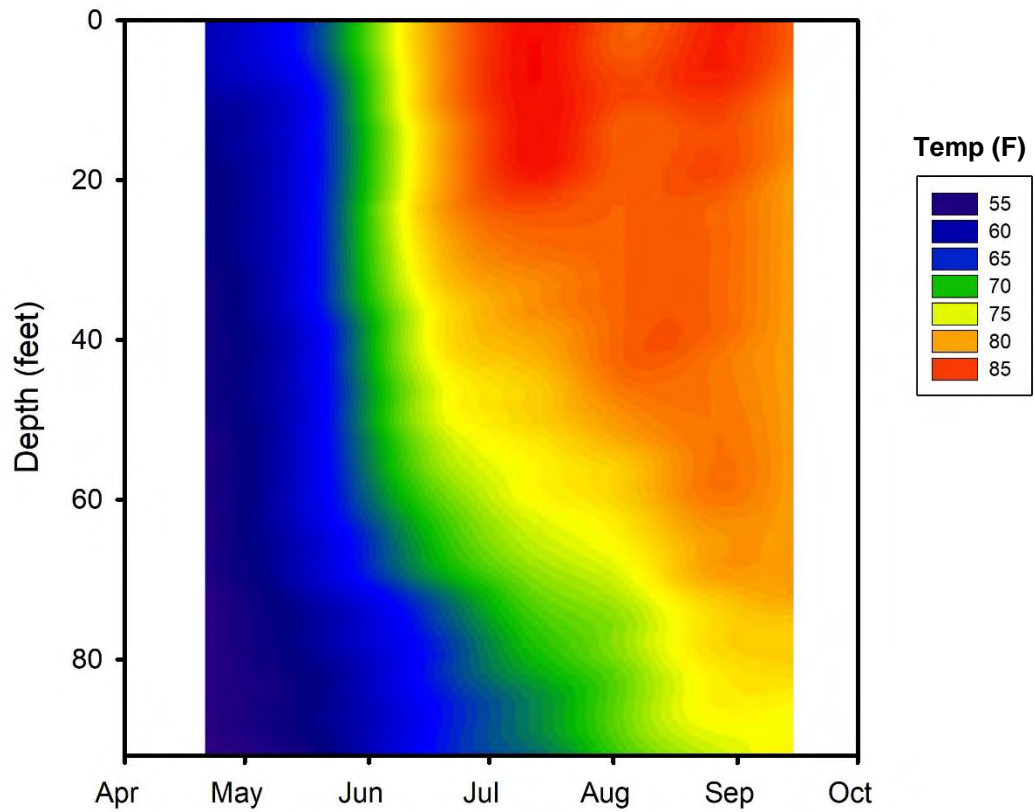
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Lake of the Ozarks Site 3



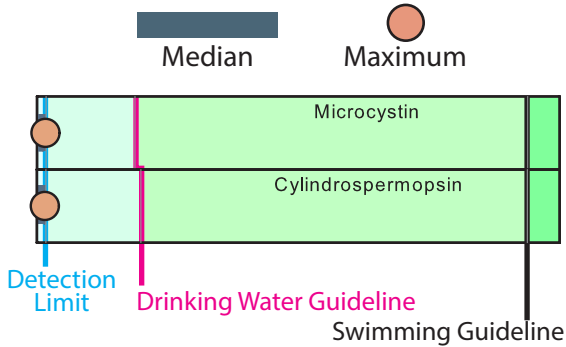
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	4/23	5/13	6/4	6/25	7/14	8/5	8/27	9/9	Mean*
Temp (F)	57	62	79	84	86	80	80	81	75
Secchi (feet)	3.2	3.6	3.8	4.2	4.2	4.0	4.1	4.2	3.9
Phosphorus (µg/L)	62	60	38	41	42	36	48	53	47
Nitrogen (µg/L)	1250	933	795	840	680	540	620	620	759
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	6.0	11.5	25.5	17.4	27.7	17.3	25.1	21.4	17.3
Sediment (mg/L)	3.5	4.0	3.2	1.4	1.6	2.7	1.7	2.1	2.4
Microcystin (µg/L)	<0.10	<0.10	<0.10	<0.10	0.11	0.11	0.14	0.13	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



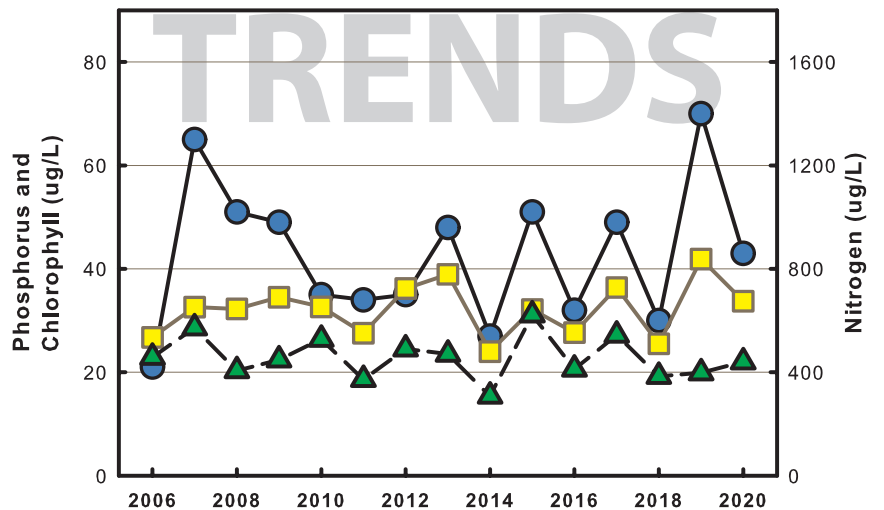
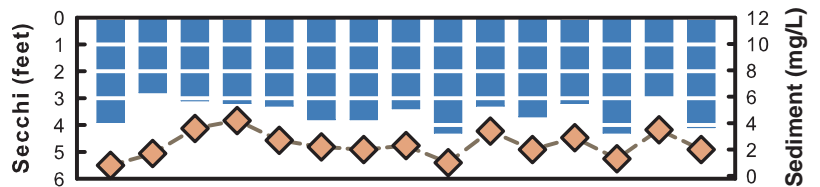
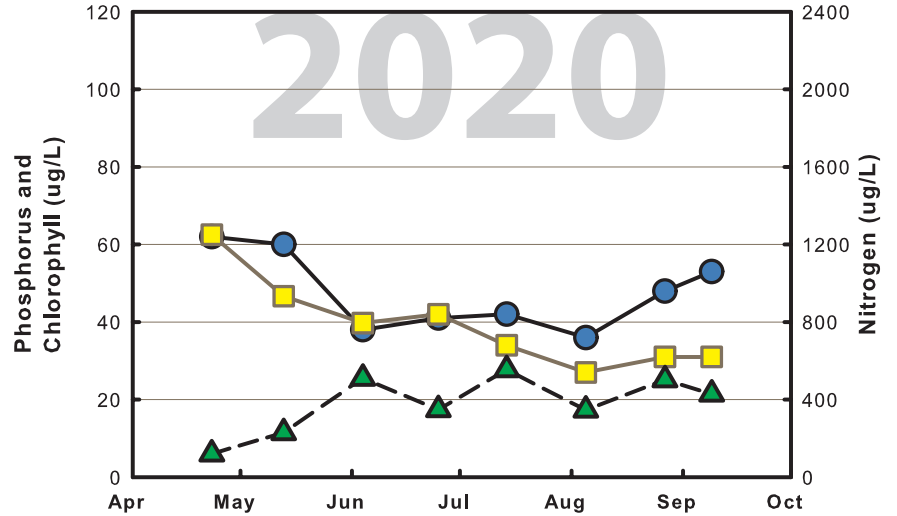
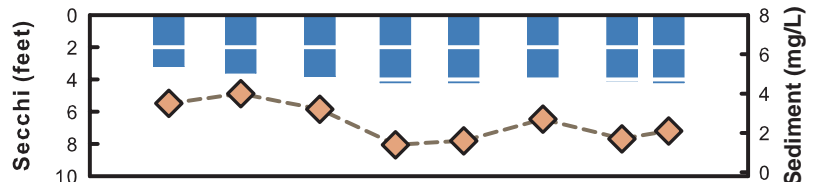
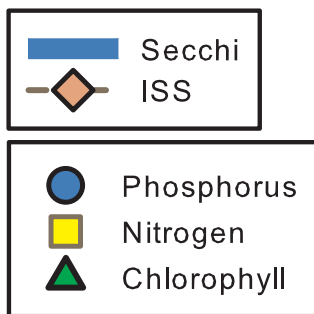
(* Table shows geometric means)

Above: Algal toxin results

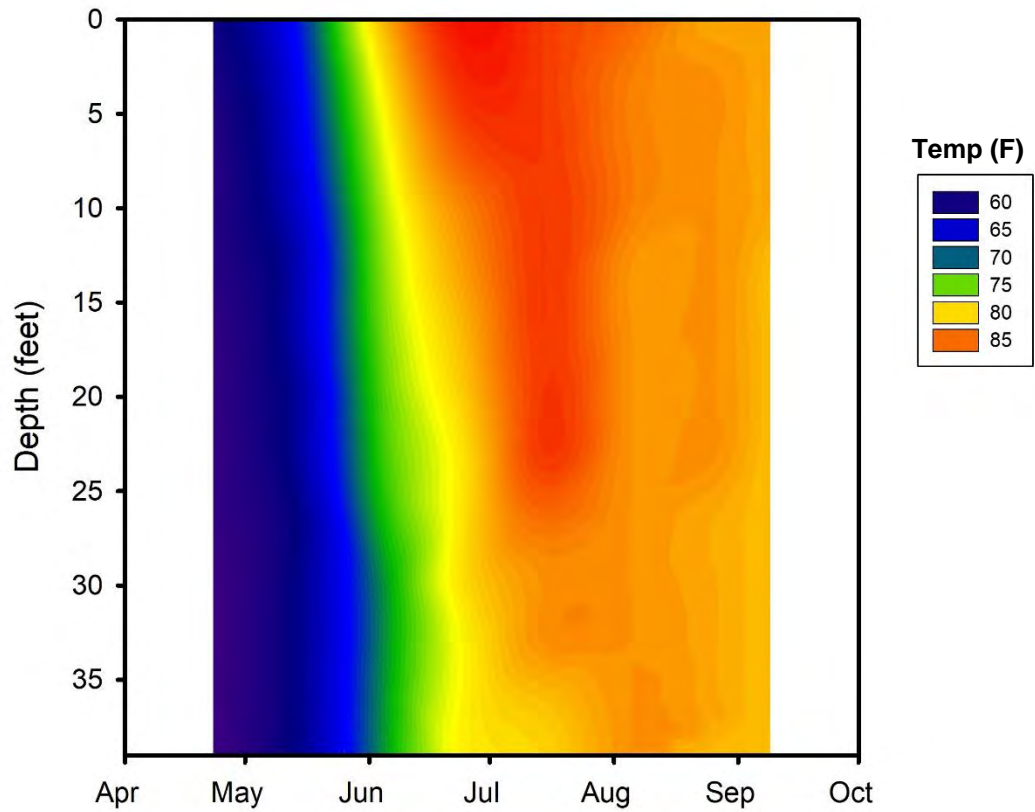
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Lake of the Ozarks Site 31.1



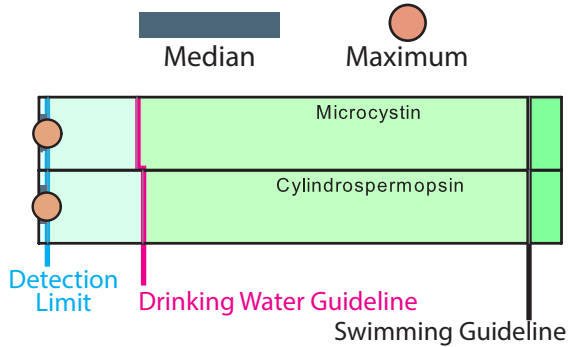
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	4/30	5/13	6/3	6/23	7/16	8/5	8/25	9/16	Mean*
Temp (F)	64	59	81	85	89	84	87	82	78
Secchi (feet)	2.1	2.1	2.6	4.3	3.4	2.8	2.7	3.0	2.8
Phosphorus (µg/L)	53	56	51	42	45	23	27	39	40
Nitrogen (µg/L)	930	875	733	505	545	405	540	645	625
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.6	5.5	49.3	19.1	24.5	19.1	15.6	24.6	15.5
Sediment (mg/L)	9.6	9.7	5.1	1.7	2.5	2.5	2.5	2.0	3.6
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	0.15	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

2020 Algal Toxin Results



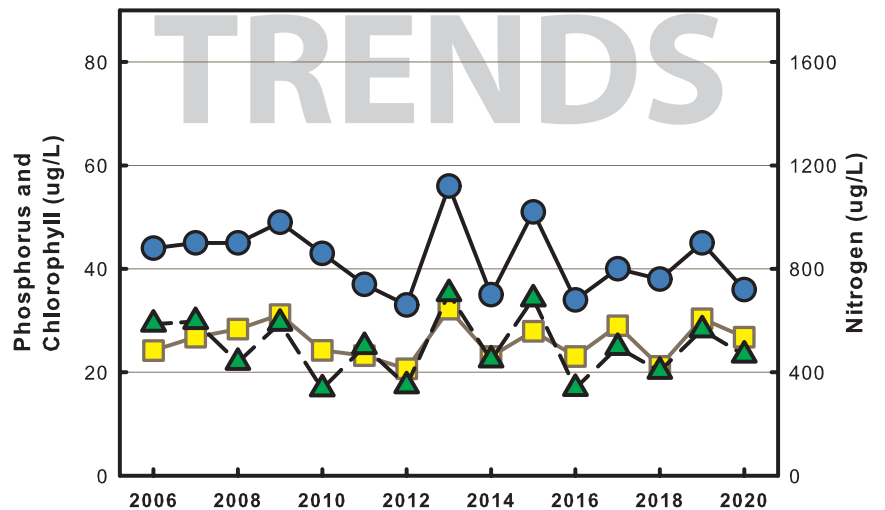
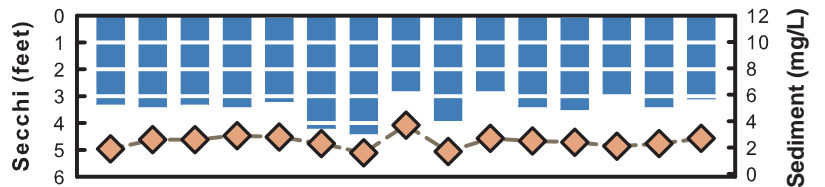
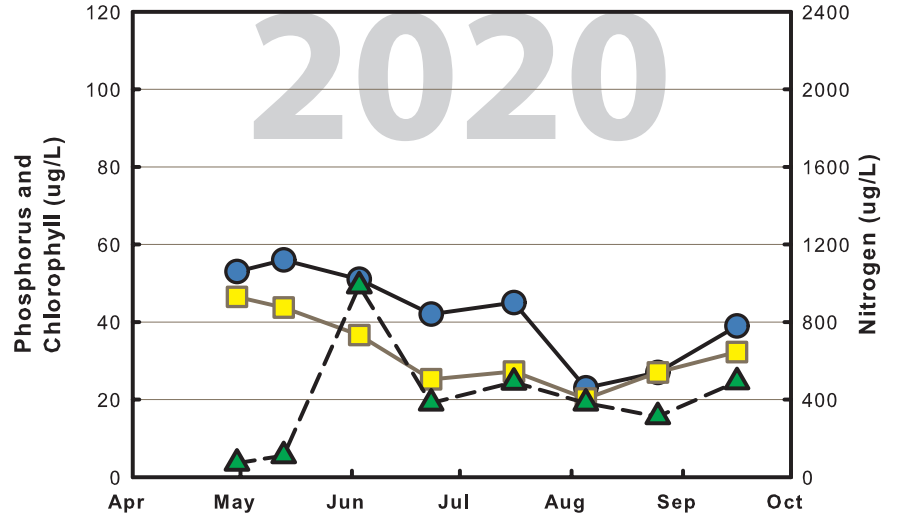
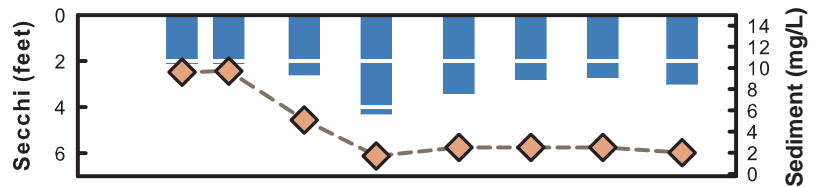
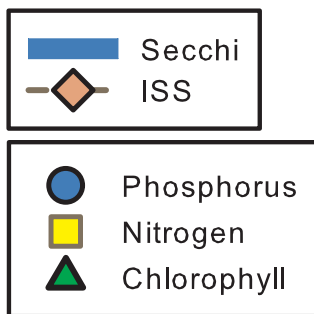
(* Table shows geometric means)

Above: Algal toxin results

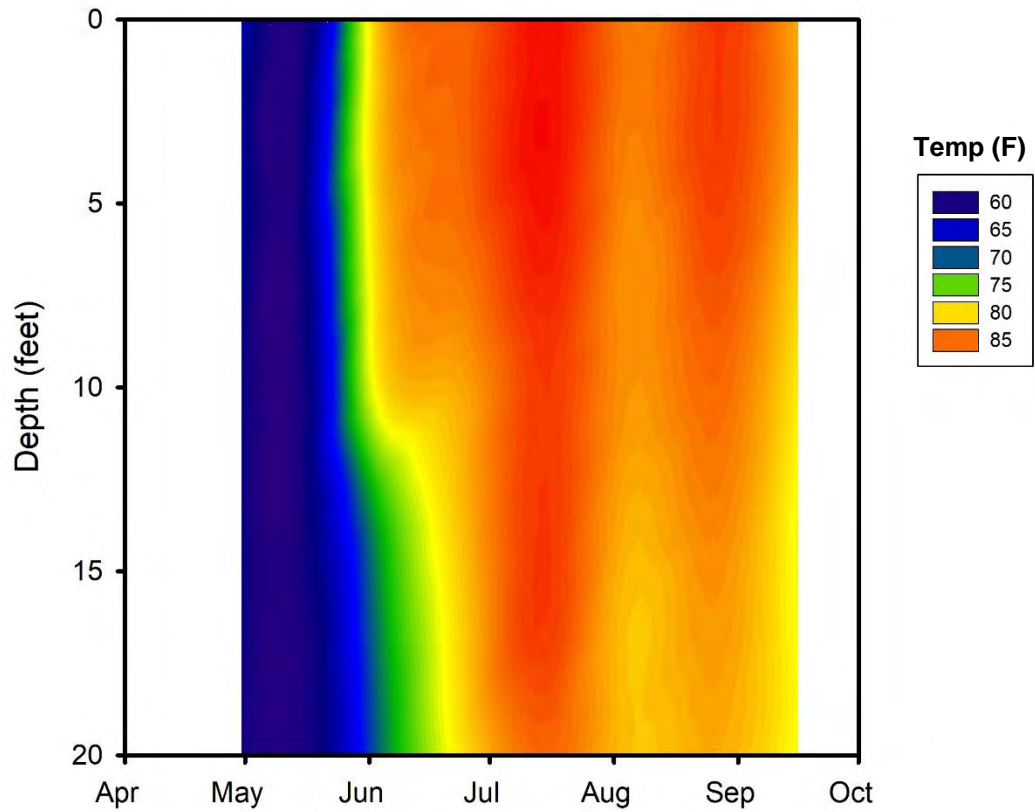
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Lake of the Ozarks Site 4.10



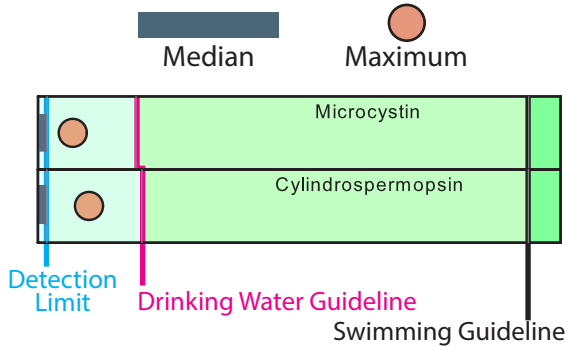
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	4/21	5/12	6/2	6/23	7/14	8/25	9/15	Mean*
Temp (F)	60	60	73	80	87	87	80	75
Secchi (feet)	1.4	1.4	2.8	1.7	3.0	2.8	2.8	2.2
Phosphorus (µg/L)	60	67	42	44	45	48	85	54
Nitrogen (µg/L)	1020	1340	1110	935	645	590	615	854
Ammonium (µg/L)	55	107	11	42	<10	<10	<10	17
Nitrate (µg/L)	541	761	569	341	9	<5	65	105
Chlorophyll (µg/L)	10.3	10.5	25.4	21.3	33.1	19.1	34.2	20.0
Sediment (mg/L)	12.8	20.0	6.5	12.4	4.9	2.4	4.4	7.3
Microcystin (µg/L)	<0.10	0.12	0.13	0.11	0.58	0.20	0.55	0.18
Cylindro (µg/L)	0.41	1.36	<0.04	<0.04	<0.04	<0.04	<0.04	0.06

2020 Algal Toxin Results



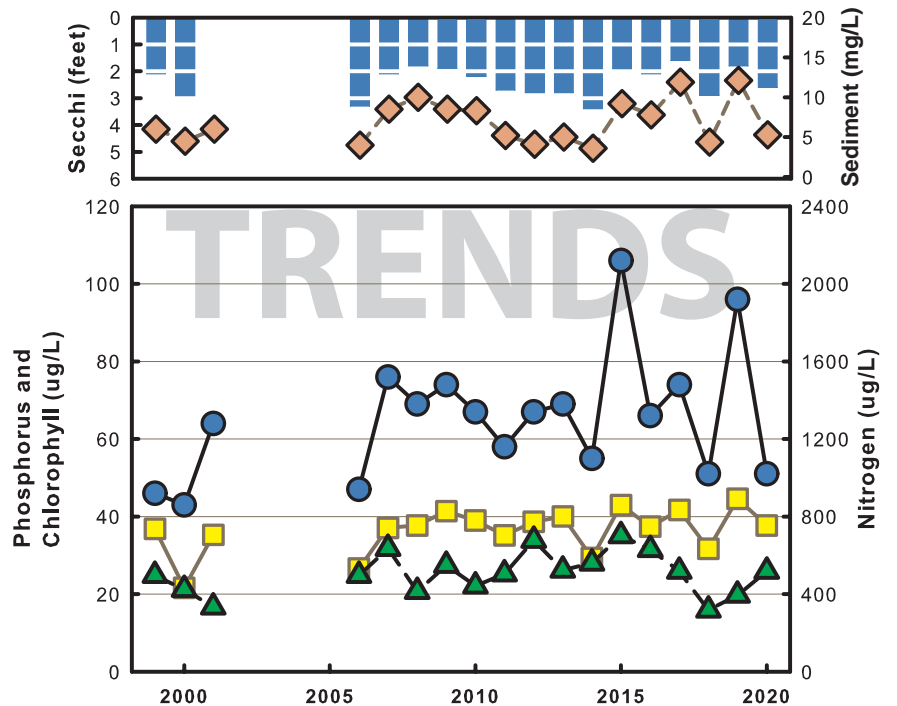
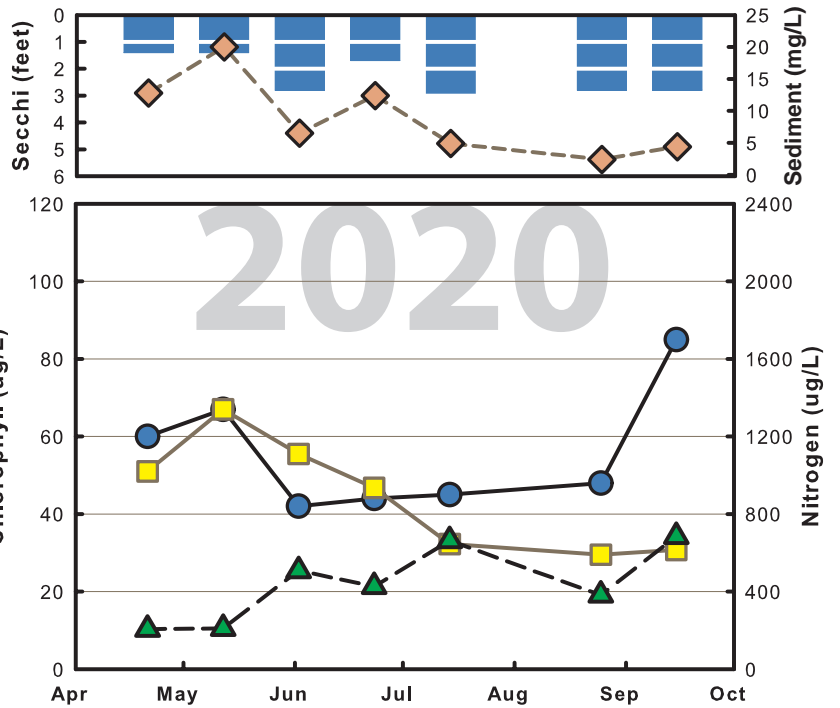
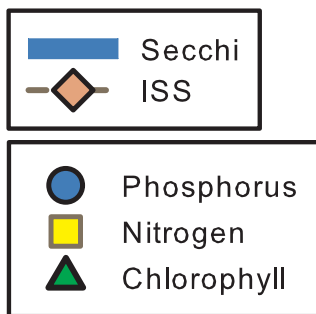
(* Table shows geometric means)

Above: Algal toxin results

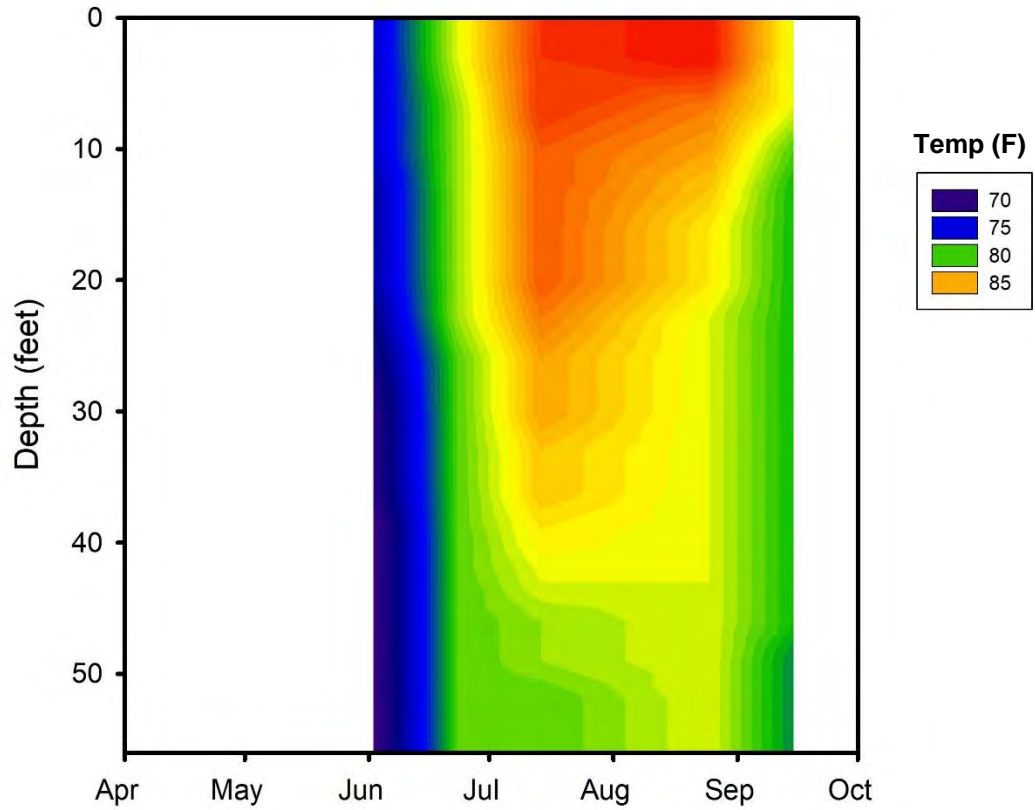
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Lake of the Ozarks Site 51



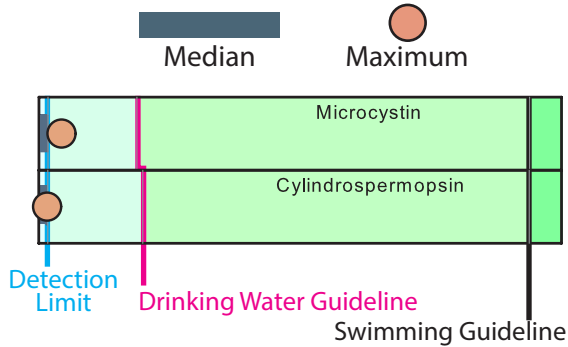
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	4/21	6/4	6/24	7/16	8/6	8/25	9/17	Mean*
Temp (F)	56	75	84	86	80	85	78	77
Secchi (feet)	1.7	1.0	1.7	1.5	1.2	1.3	1.2	1.3
Phosphorus (µg/L)	83	63	56	53	70	56	72	64
Nitrogen (µg/L)	970	1065	905	575	710	655	630	768
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	5.1	18.6	30.9	23.2	30.2	24.8	37.2	21.2
Sediment (mg/L)	16.5	16.0	7.2	5.6	9.2	6.0	9.5	9.2
Microcystin (µg/L)	<0.10	<0.10	0.14	0.35	0.29	0.15	0.37	0.15
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



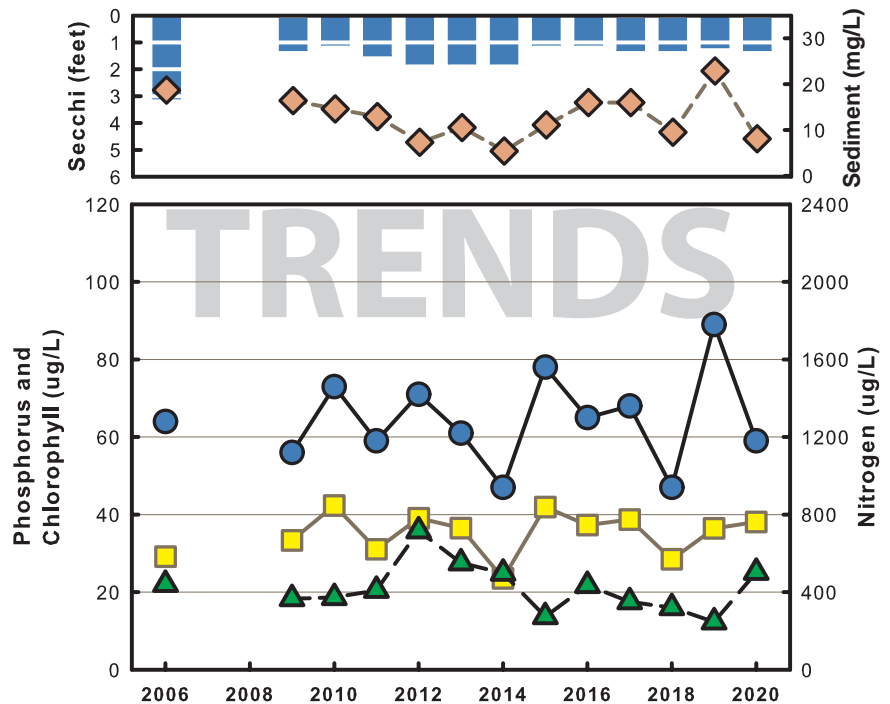
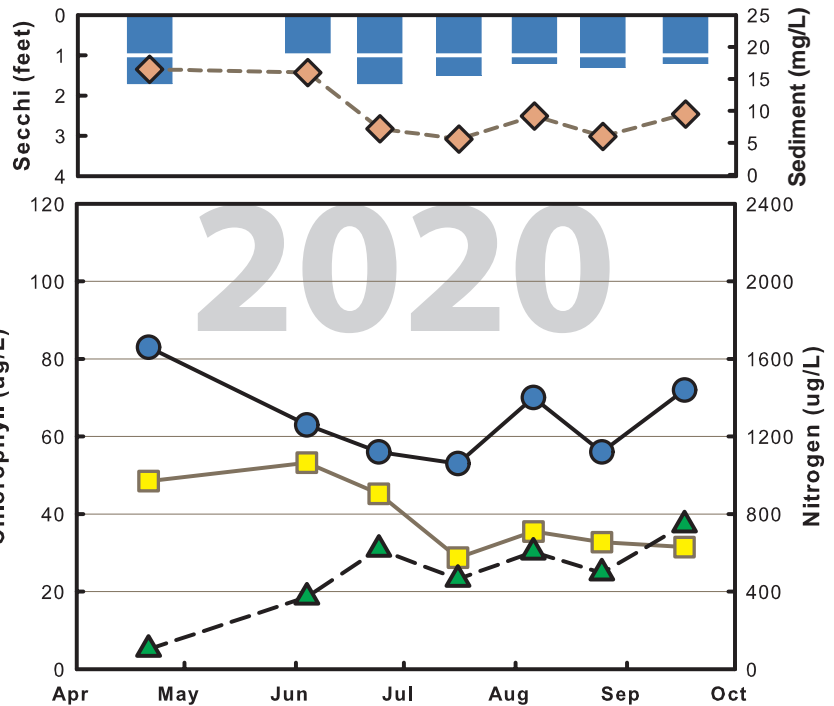
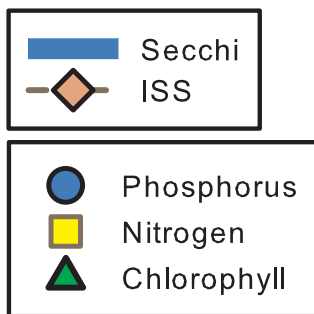
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

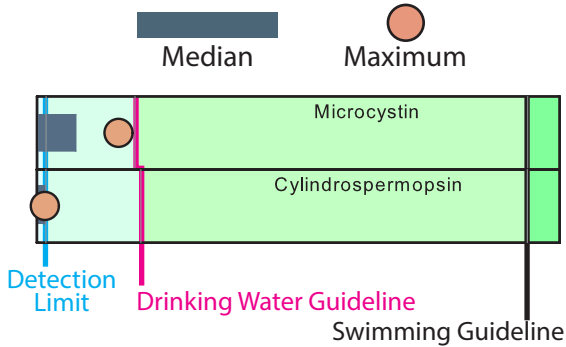
Legend for 2020 and Trend graphs



Lake of the Woods Site 1

2020 Data Table	6/4	6/27	7/17	9/18	Mean*
Temp (F)	77	82	82		80
Secchi (feet)	1.9	1.9	1.8	1.3	1.7
Phosphorus (µg/L)	56	78	128	65	78
Nitrogen (µg/L)	375	695	1370	695	706
Ammonium (µg/L)	16	50	258	27	49
Nitrate (µg/L)	<5	11	85	<5	10
Chlorophyll (µg/L)	44.8	52.6	51.3	28.4	43.0
Sediment (mg/L)	7.9	5.4	4.8	9.4	6.6
Microcystin (µg/L)	0.15	1.33	1.12	0.12	0.40
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



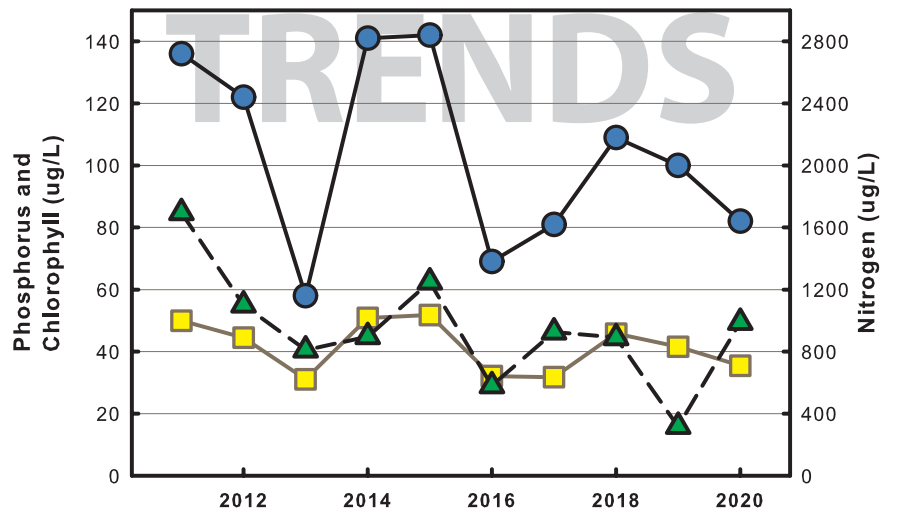
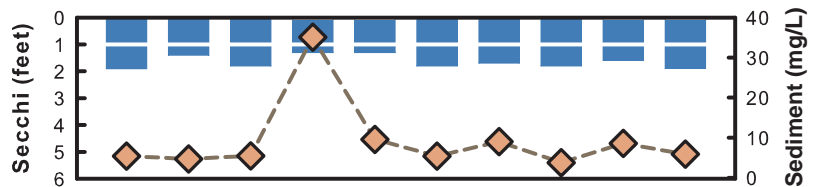
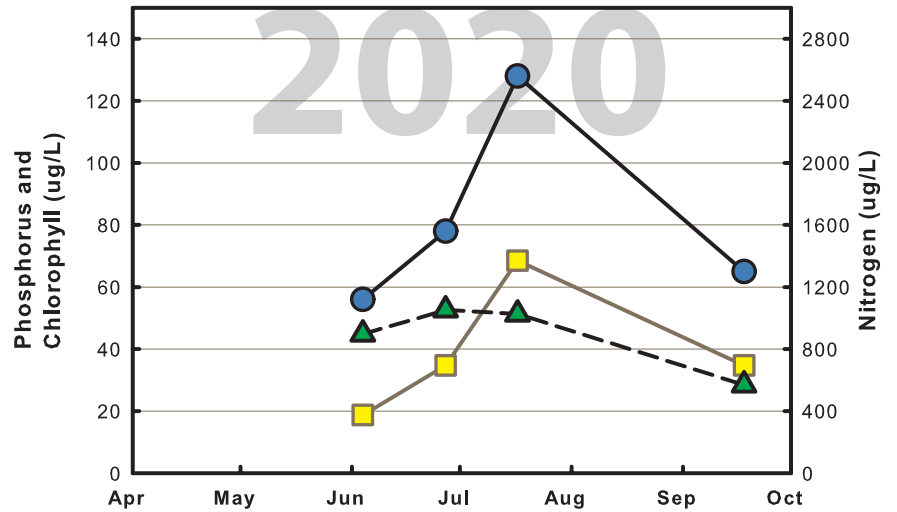
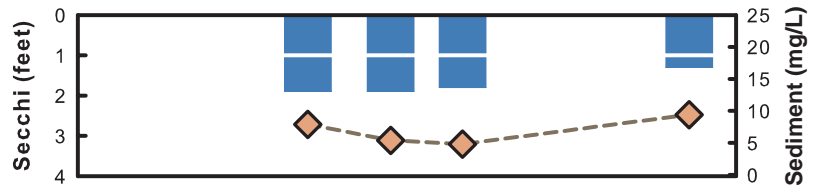
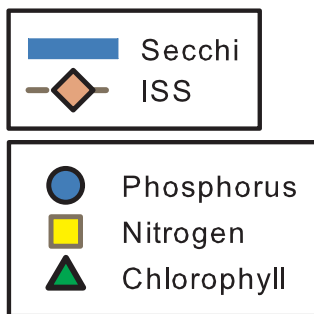
(* Table shows geometric means)

Above: Algal toxin results

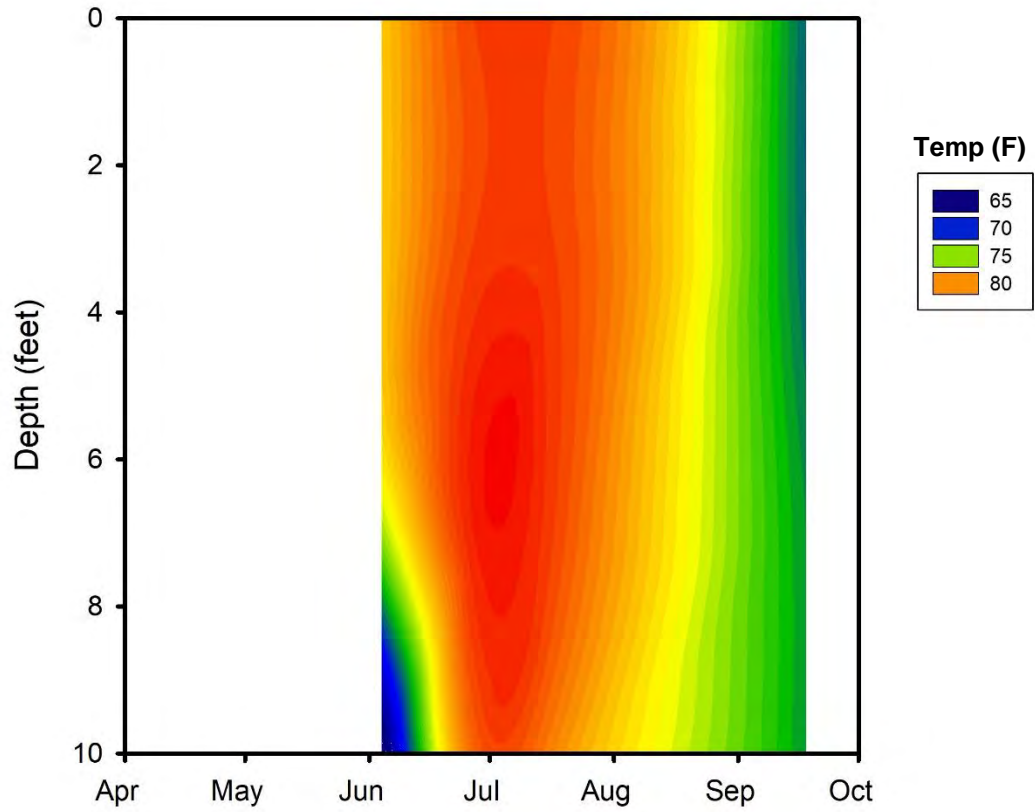
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Lake of the Woods



To see the surface temperature through the 2020 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.

Lamar City Lake Site 1

2020 Data Table	5/14	6/3	6/26	7/16	8/5	8/27	9/18	Mean*
Temp (F)	61	73	75	81	77	79	73	74
Secchi (feet)	3.0	3.0	1.5	2.0	2.0	2.0	2.0	2.2
Phosphorus (µg/L)	59	57	78	60	63	67	68	64
Nitrogen (µg/L)	1070	1045	975	1005	1190	1245	1155	1094
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	12.0	30.6	23.2	28.7	34.7	31.3	45.1	27.5
Sediment (mg/L)	2.1	2.7	1.3	1.7	1.2	0.8	10.7	2.0
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

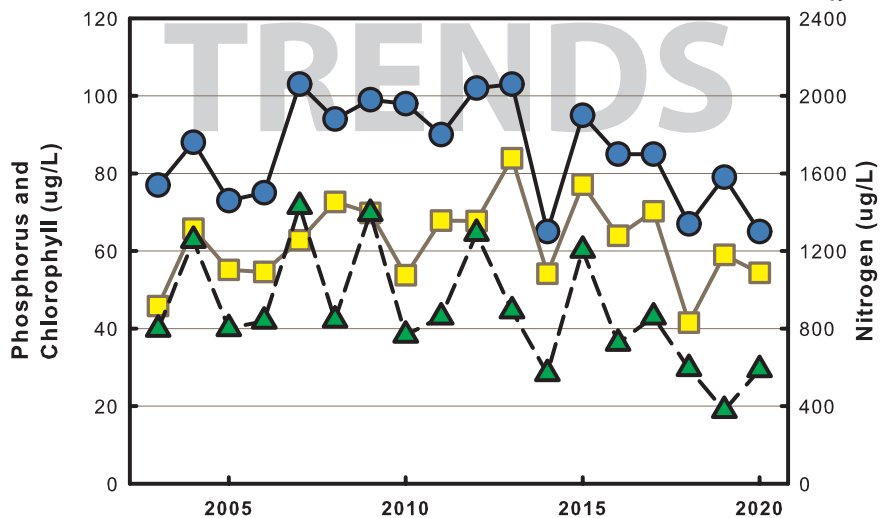
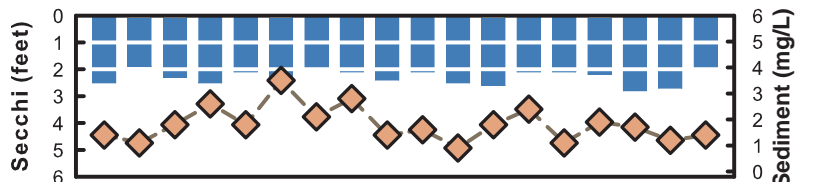
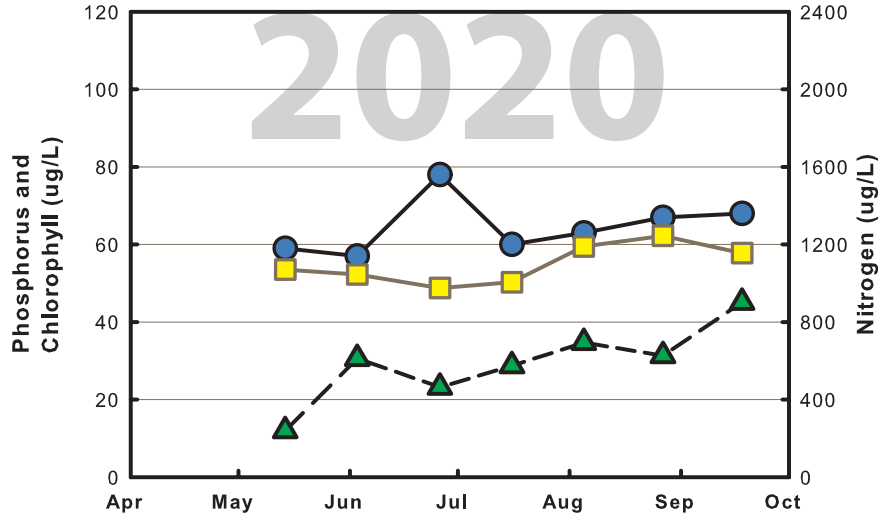
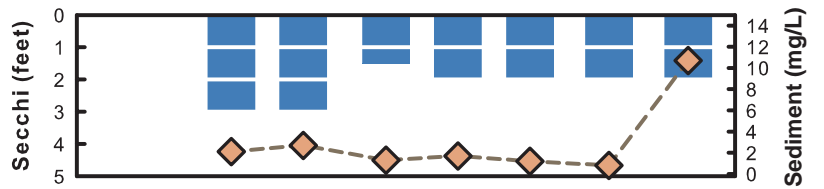
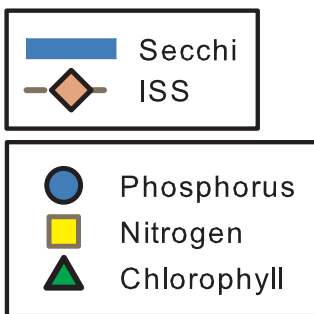
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Lamar City Lake Site 2

2020 Data Table	5/14	6/3	6/26	7/16	8/5	8/27	9/18	Mean*
Temp (F)	61	77	83	81	76	80	71	75
Secchi (feet)	3.0	2.0	2.0	1.5	2.0	1.5	1.5	1.9
Phosphorus (µg/L)	47	61	72	87	76	98	73	72
Nitrogen (µg/L)	913	1130	1020	1070	1015	1245	977	1048
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	23.0	41.4	21.2	30.1	39.6	35.9	31.3	30.9
Sediment (mg/L)	1.0	2.7	2.5	3.6	2.6	4.5	10.7	3.1
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

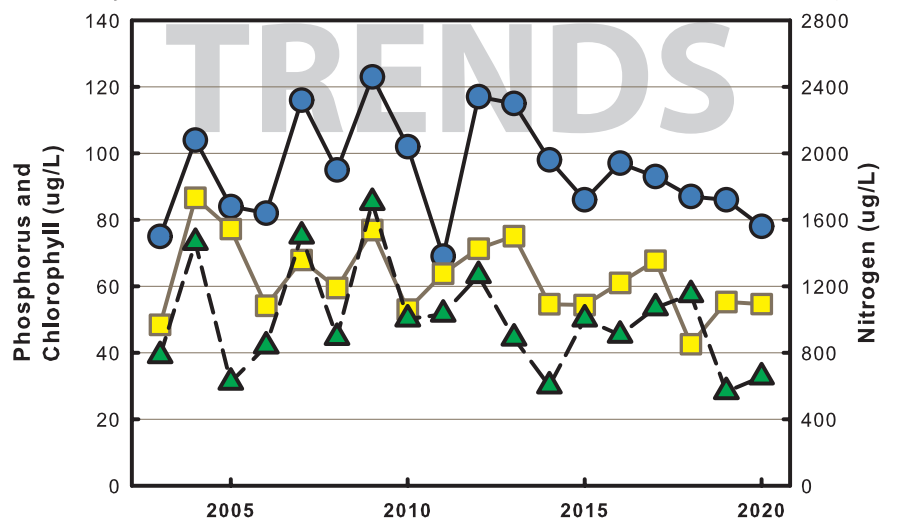
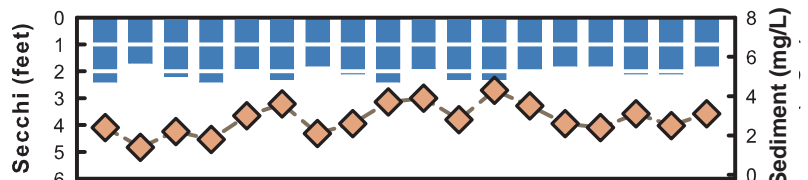
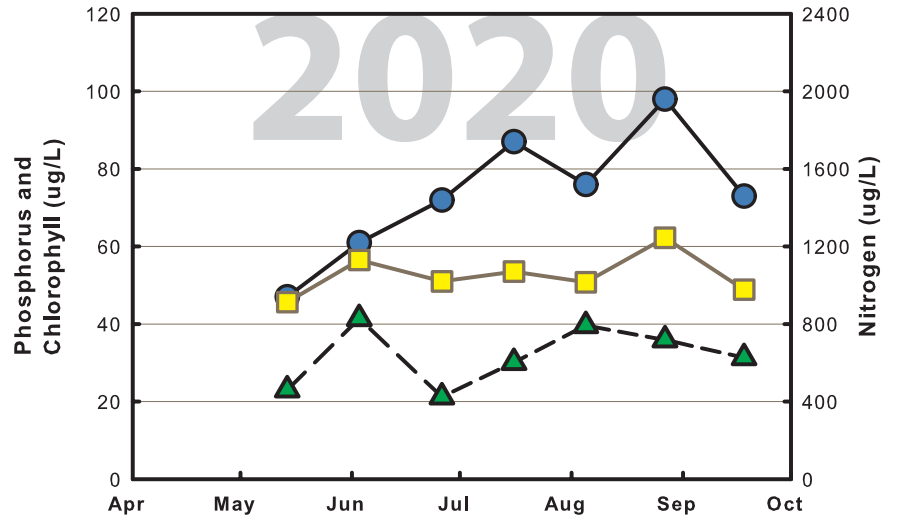
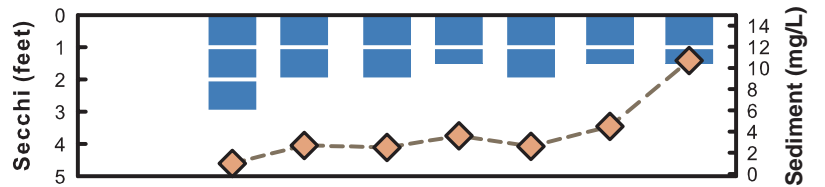
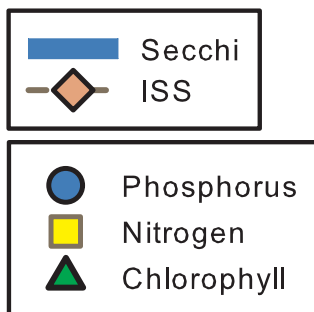
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

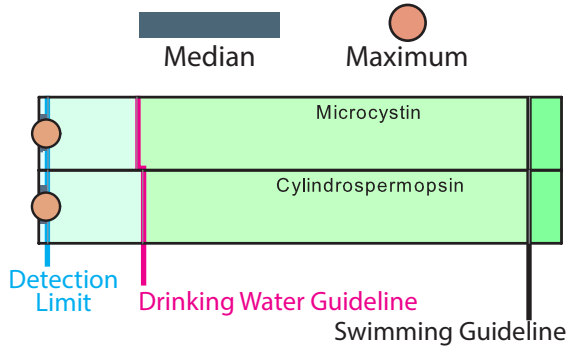
Legend for 2020 and Trend graphs



Lick Creek Site 1

2020 Data Table	6/10	9/4	Mean*
Temp (F)	77	75	76
Secchi (feet)			
Phosphorus (µg/L)	52	25	36
Nitrogen (µg/L)	625	535	578
Ammonium (µg/L)		<10	<10
Nitrate (µg/L)		<5	<5
Chlorophyll (µg/L)		11.2	11.2
Sediment (mg/L)		7.1	7.1
Microcystin (µg/L)	<0.10	0.13	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04

2020 Algal Toxin Results



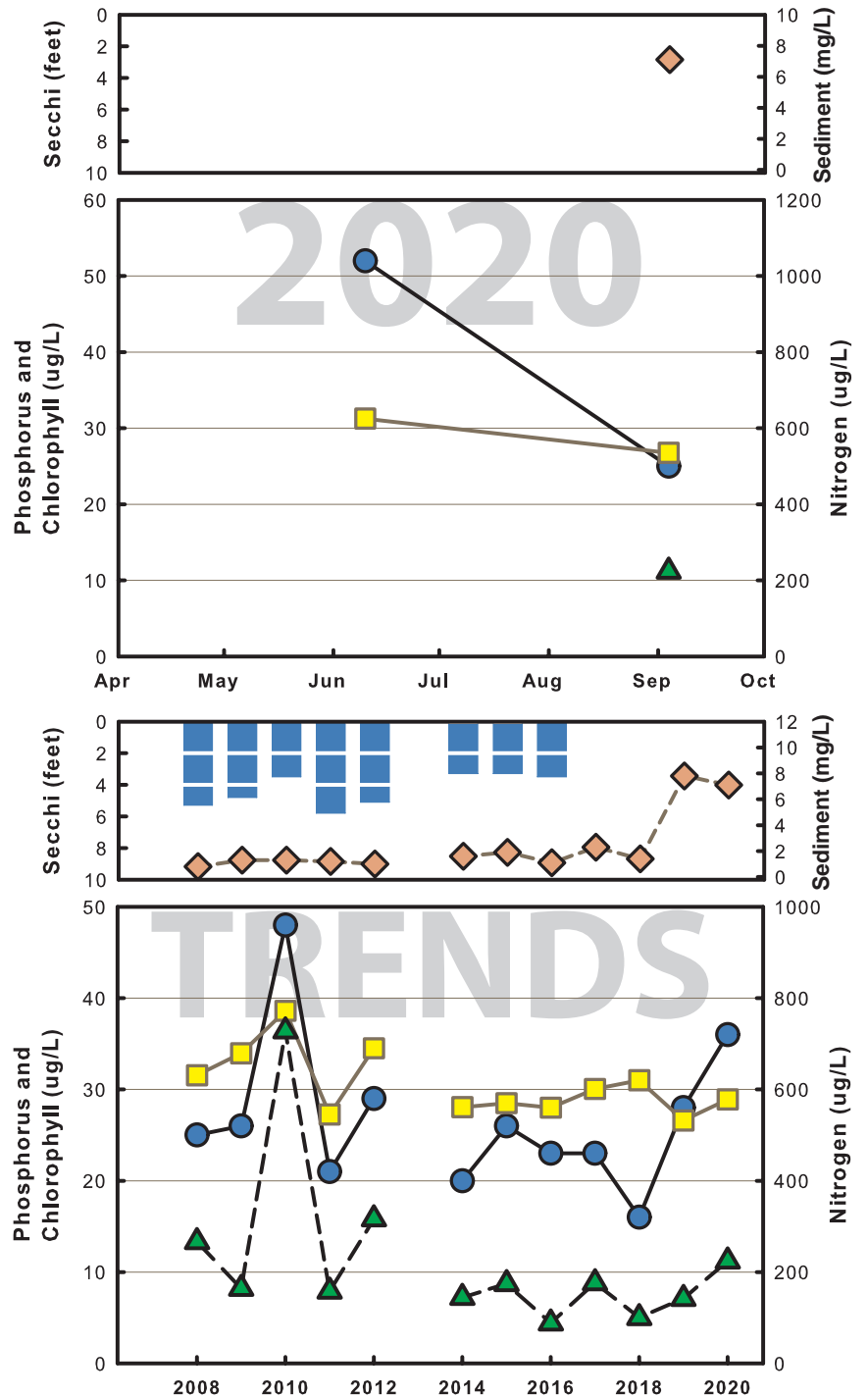
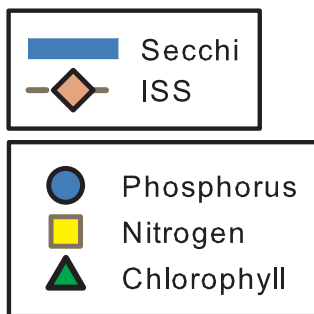
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

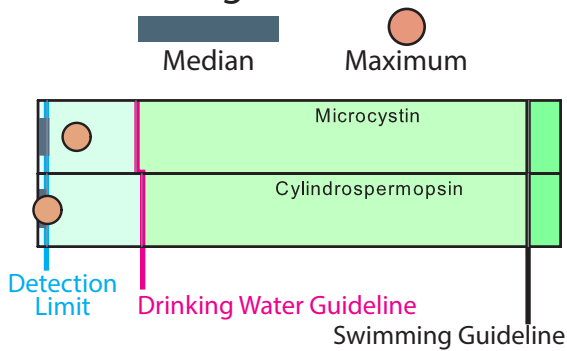
Legend for 2020 and Trend graphs



Long Branch Site 1

2020 Data Table	4/21	5/11	6/2	6/21	7/13	8/5	8/24	9/15	Mean*
Temp (F)	55	61	72	78	83	80	85	73	73
Secchi (feet)	1.4	1.1	1.1	1.0	1.8	1.7	2.0	2.2	1.5
Phosphorus (µg/L)	57	80	44	29	30	36	39	37	42
Nitrogen (µg/L)	975	1025	1375	1370	1060	750	780	740	982
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	7.0	6.0	3.0	22.0	12.0	29.0	26.0	31.0	12.9
Sediment (mg/L)	8.0	11.4	6.5	9.1	4.7	3.0	1.6	2.1	4.7
Microcystin (µg/L)	0.14	0.12	<0.10	0.17	0.48	0.19	0.20	0.63	0.19
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	<0.04

2020 Algal Toxin Results



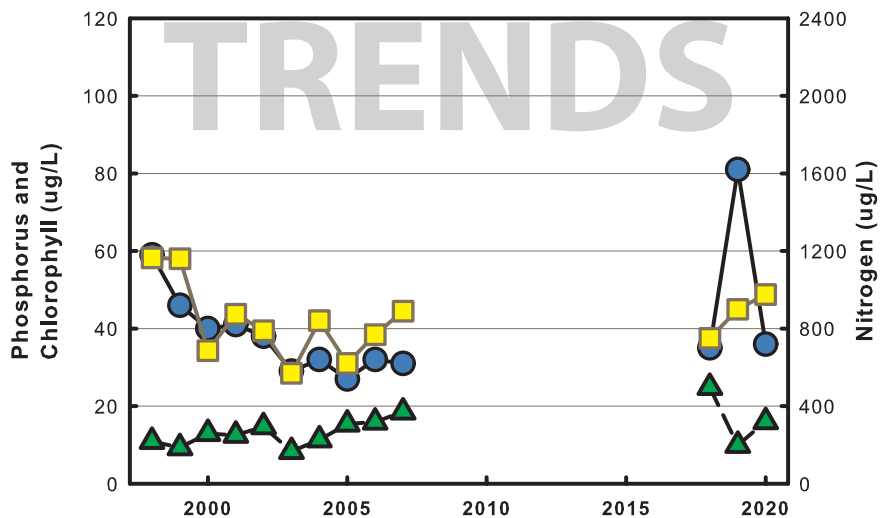
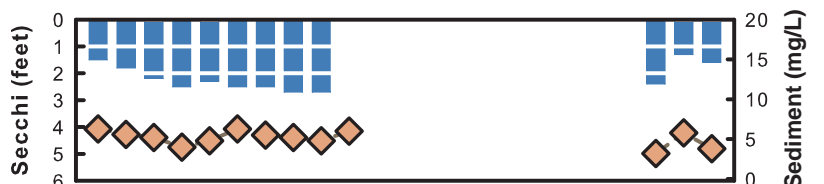
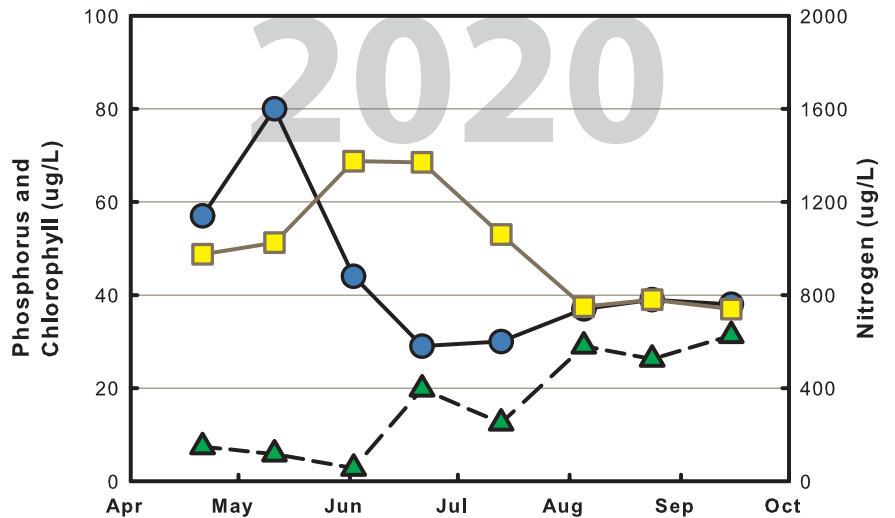
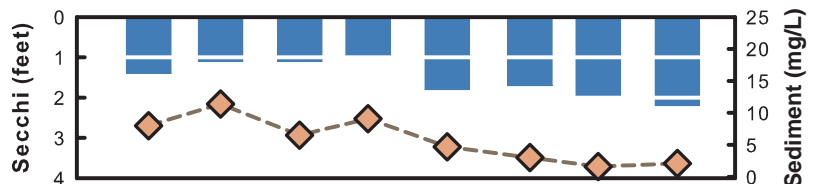
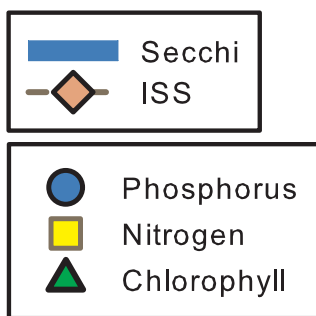
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Longview Site 1

2020 Data Table	5/11	6/1	6/23	7/13	8/4	8/26	9/16	Mean*
Temp (F)	59	71	80	83	85	81	73	76
Secchi (feet)	2.8	1.2	4.3	4.2	3.0	3.7	3.1	3.0
Phosphorus (µg/L)	35	42	21	21	23	22	24	26
Nitrogen (µg/L)	975	940	590	495	545	540	510	632
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	2.8	11.1	14.9	13.2	23.9	16.7	20.6	12.6
Sediment (mg/L)	5.9	13.3	2.3	2.4	4.8	2.3	2.2	3.8
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

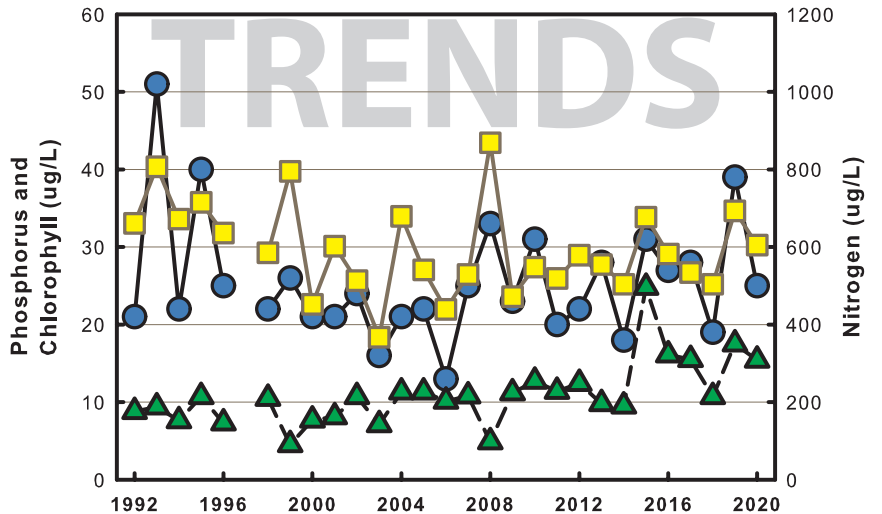
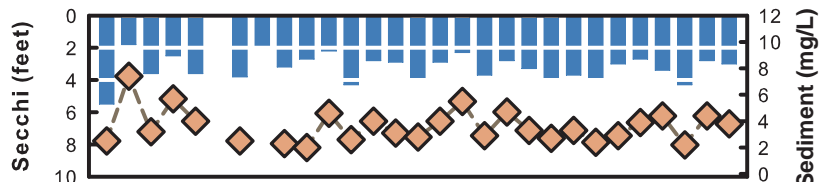
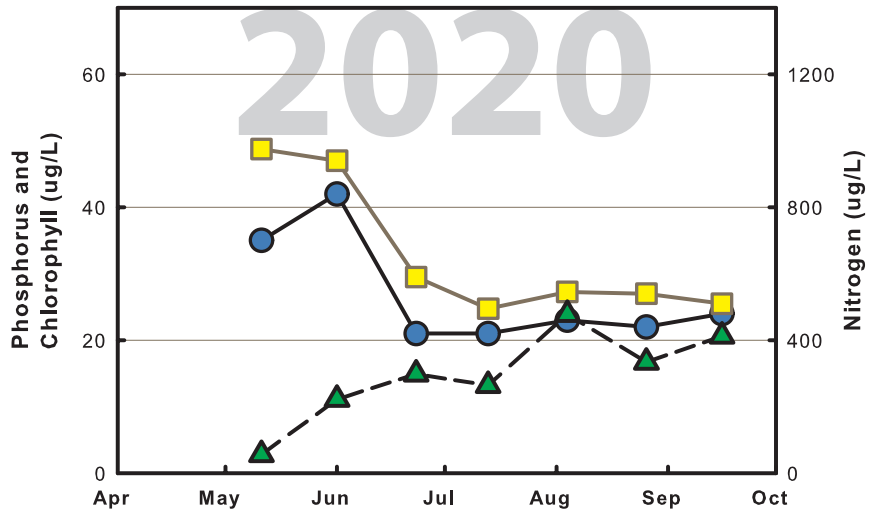
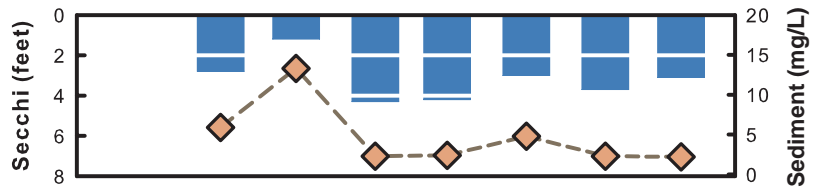
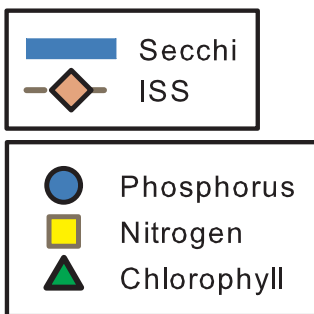
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

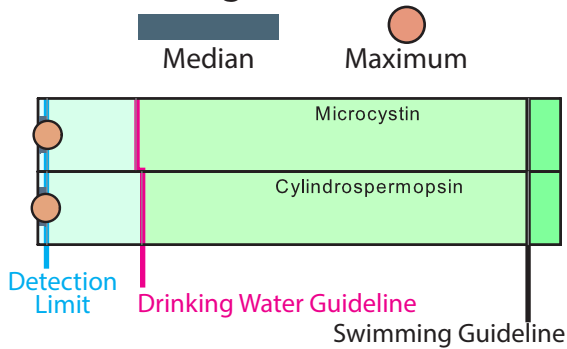
Legend for 2020 and Trend graphs



Mallard Site 1

2020 Data Table	5/1	5/12	6/6	6/24	7/16	8/5	8/26	9/17	Mean*
Temp (F)	66	62	83	81	86	80	86	77	77
Secchi (feet)	1.2	1.8	2.2	1.7	1.3	1.1	1.6	2.0	1.6
Phosphorus (µg/L)	148	70	56	52	67	187	102	70	85
Nitrogen (µg/L)	935	990	655	470	540	1160	780	655	741
Ammonium (µg/L)	24	<10	<10	<10	16	<10	<10	<10	<10
Nitrate (µg/L)	310	386	<5	<5	7	267	483	<5	36
Chlorophyll (µg/L)	11.5	37.5	32.0	29.7	26.8	77.1	43.0	39.9	33.1
Sediment (mg/L)	14.8	5.4	5.6	5.8	13.4	15.2	7.4	5.8	8.3
Microcystin (µg/L)	<0.10	0.16	<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

2020 Algal Toxin Results



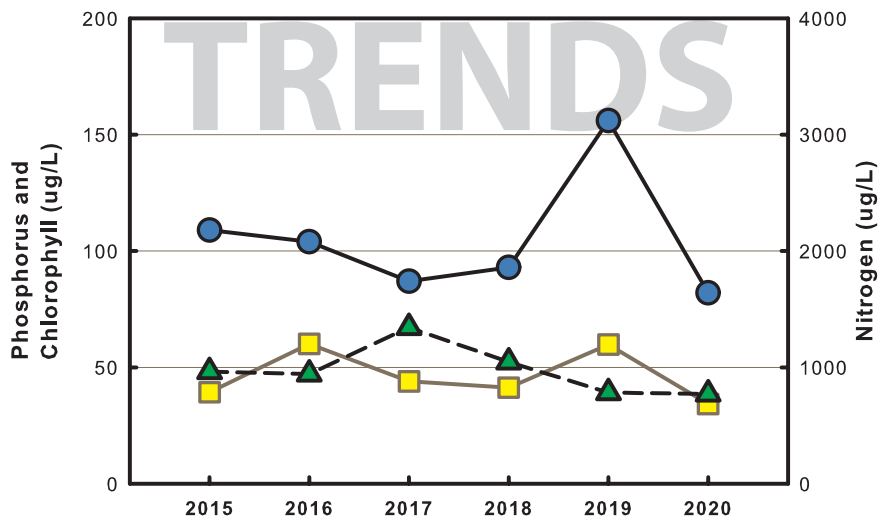
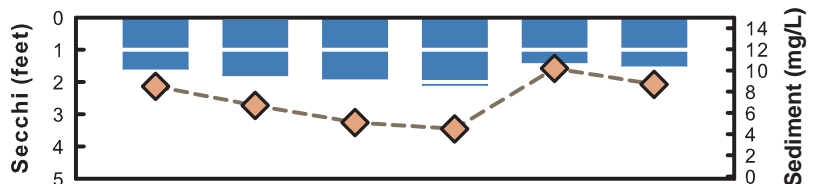
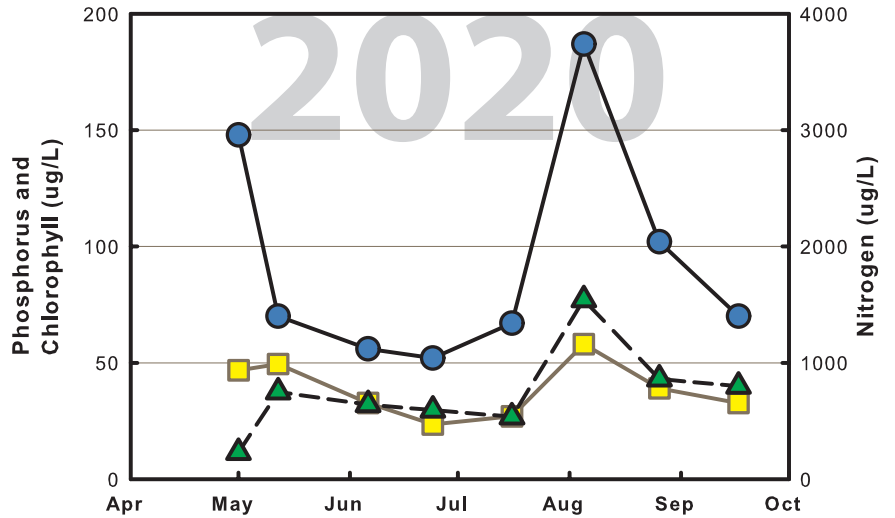
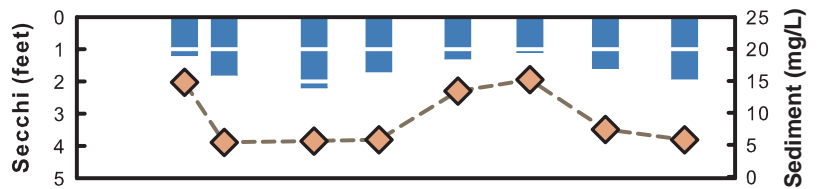
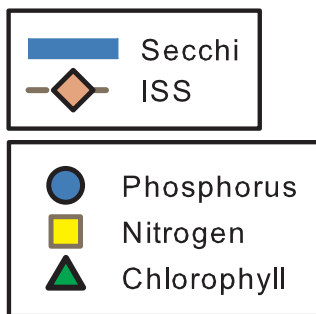
(* Table shows geometric means)

Above: Algal toxin results

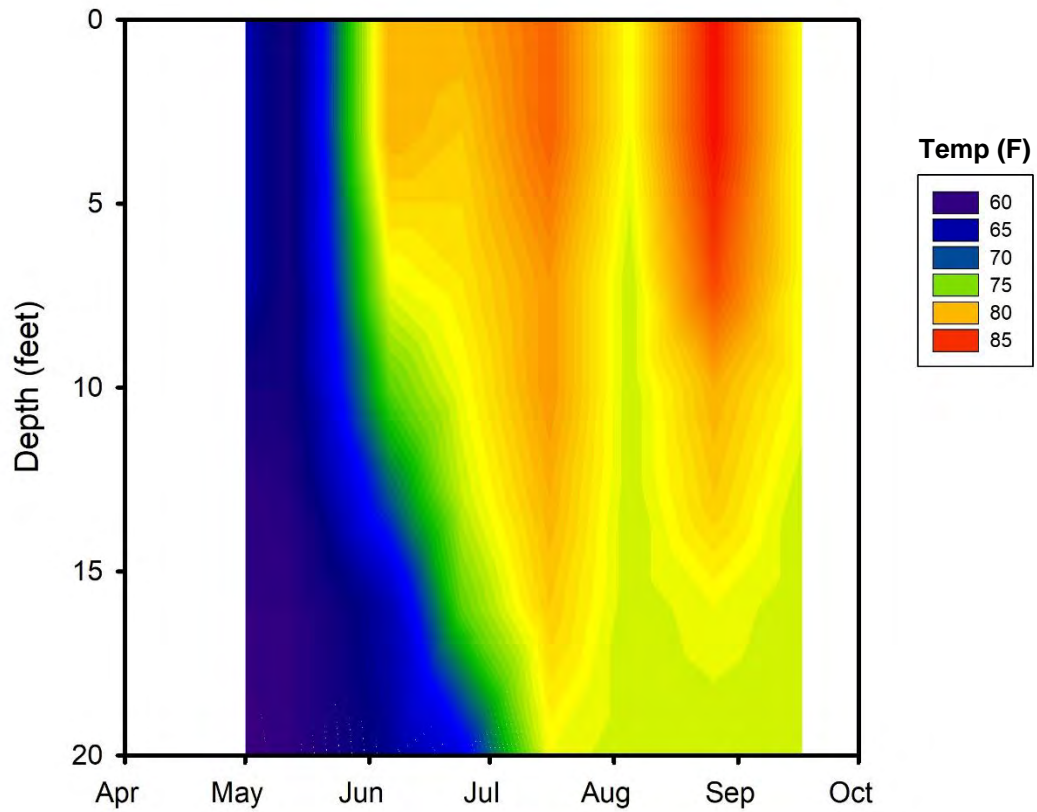
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Mallard



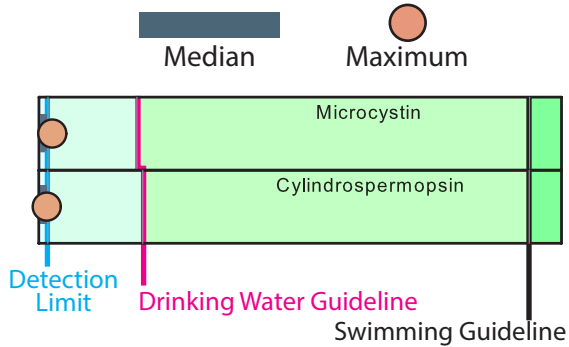
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	5/16	6/6	6/27	7/12	8/7	8/22	9/19	Mean*
Temp (F)	68	78	78	82	76	76	70	75
Secchi (feet)	1.4	2.3	2.3	3.6	3.5	2.7	2.2	2.5
Phosphorus (µg/L)	197	171	138	68	54	31	26	75
Nitrogen (µg/L)	1910	2465	2640	1970	1660	1340	870	1735
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	6.3	4.9	37.4	30.2	28.7	24.2	19.6	17.4
Sediment (mg/L)	5.0	6.7	9.7	4.7	2.4	0.2	1.3	2.7
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.22	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

2020 Algal Toxin Results



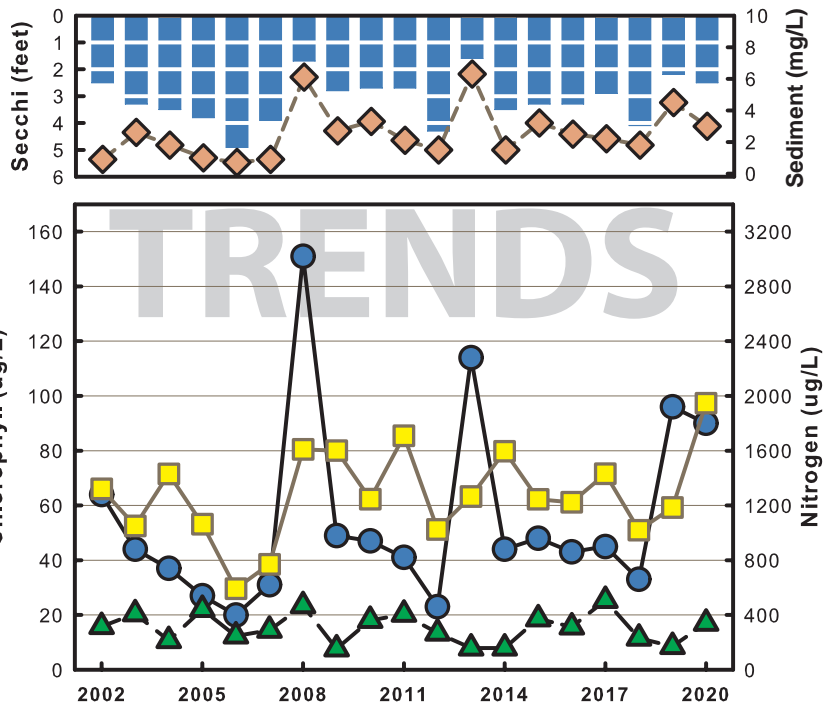
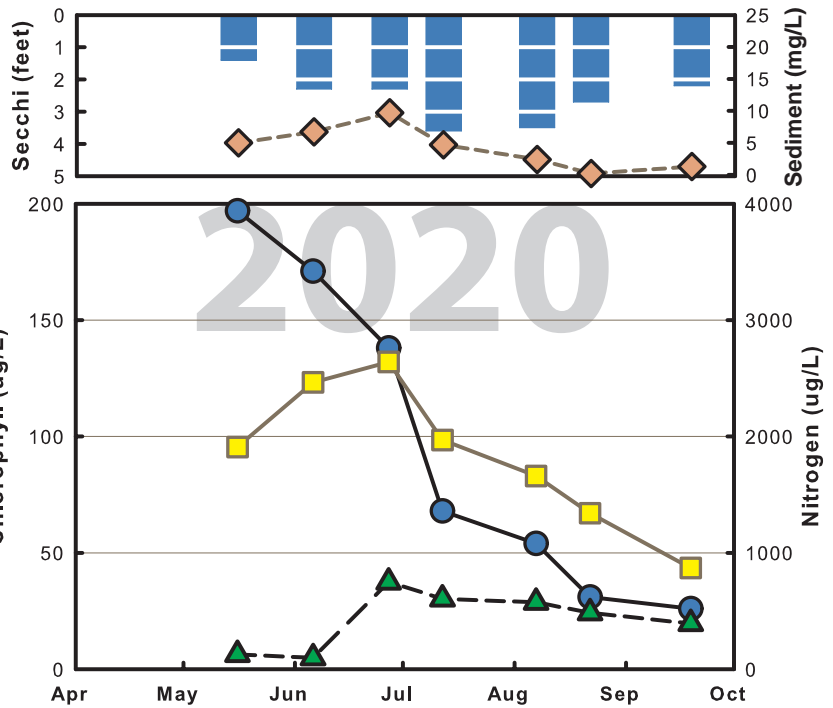
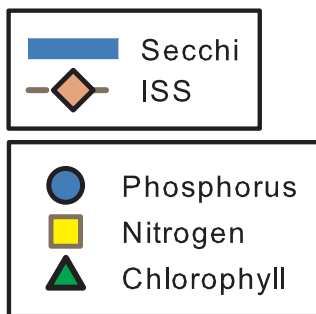
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

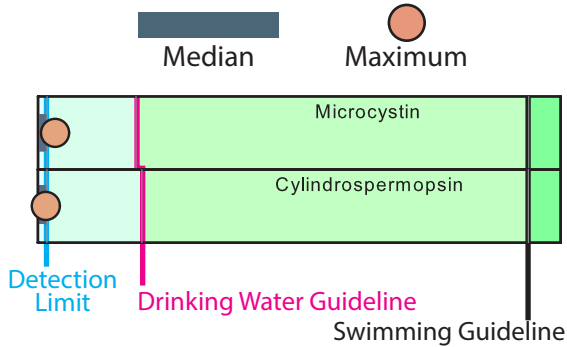
Legend for 2020 and Trend graphs



Mark Twain Site 2

2020 Data Table	5/16	6/6	6/27	7/12	8/7	8/22	9/19	Mean*
Temp (F)	67	80	78	81	76	76	67	75
Secchi (feet)	1.7	1.6	2.1	3.7	3.7	2.5	2.8	2.5
Phosphorus (µg/L)	205	167	128	67	38	32	28	72
Nitrogen (µg/L)	1955	2425	2385	1848	1535	1345	870	1678
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	10.8	4.6	36.4	24.8	22.7	22.2	23.4	17.6
Sediment (mg/L)	5.2	6.6	8.4	4.5	2.5	0.7	1.6	3.2
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.29	0.17	<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

2020 Algal Toxin Results



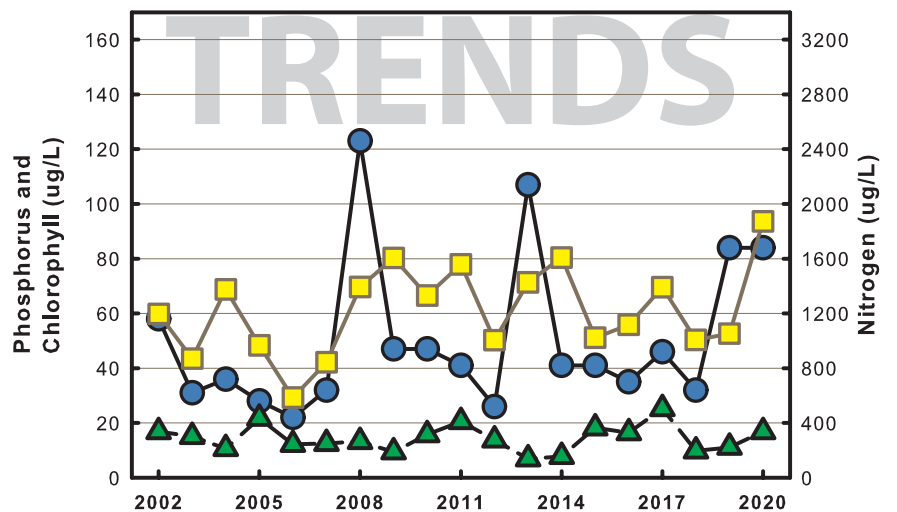
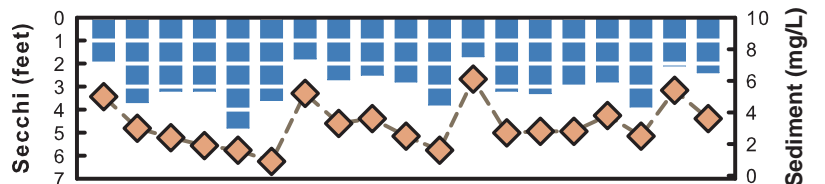
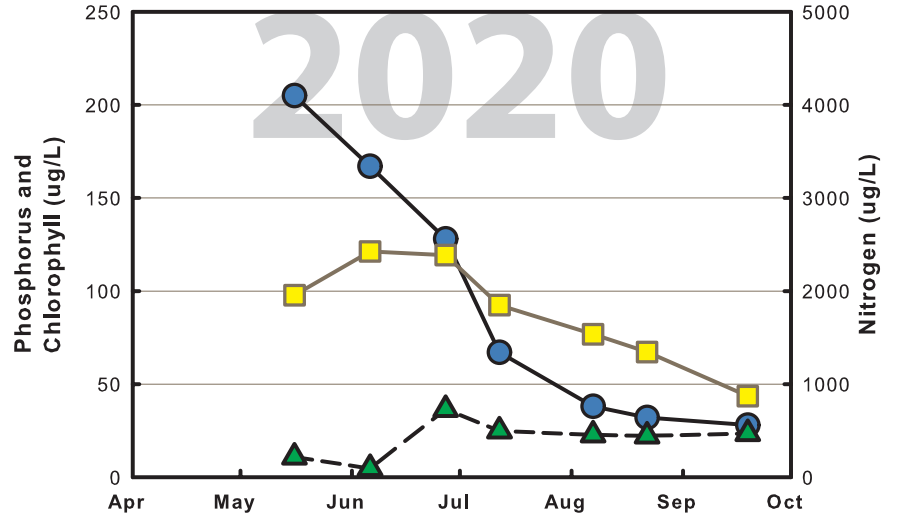
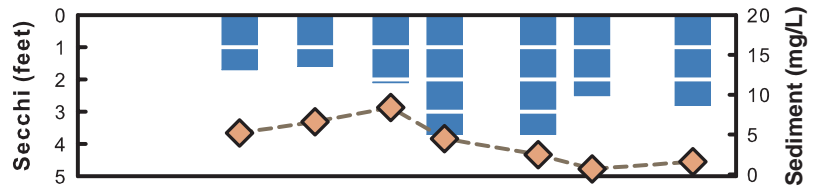
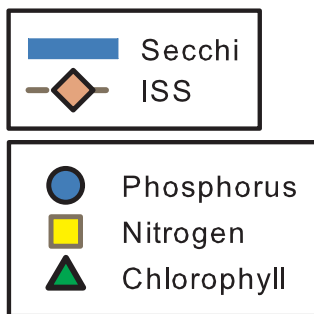
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

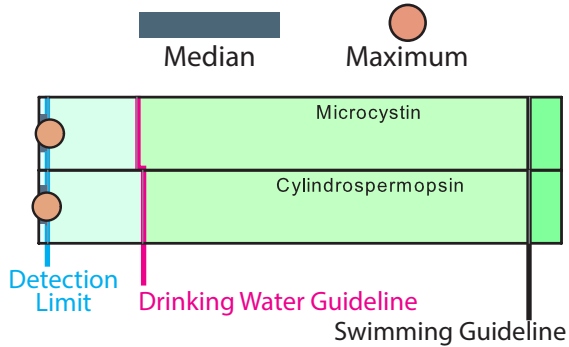
Legend for 2020 and Trend graphs



Mark Twain Site 5

2020 Data Table	5/16	6/6	6/27	7/12	8/7	8/22	9/19	Mean*
Temp (F)	68		76	81	77	76	70	75
Secchi (feet)	1.3		2.2	3.4	3.8	2.7	3.0	2.6
Phosphorus (µg/L)	194	175	175	79	38	25	32	76
Nitrogen (µg/L)	2110	2625	2630	2000	1600	1200	765	1710
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	8.5	4.5	21.6	29.6	22.0	19.8	29.1	16.3
Sediment (mg/L)	4.5	6.3	6.1	5.1	2.4	1.2	1.8	3.3
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.18	0.15	<0.10	0.15	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



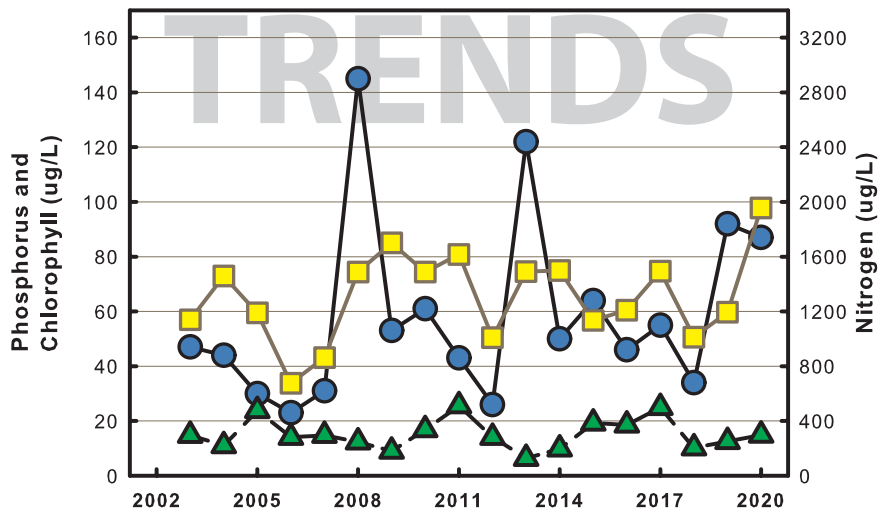
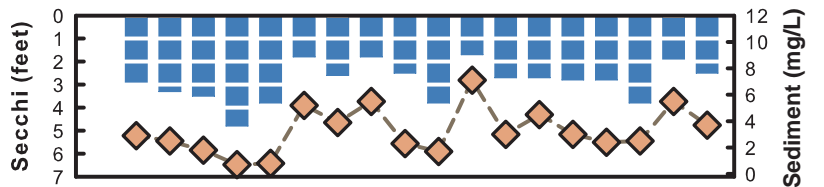
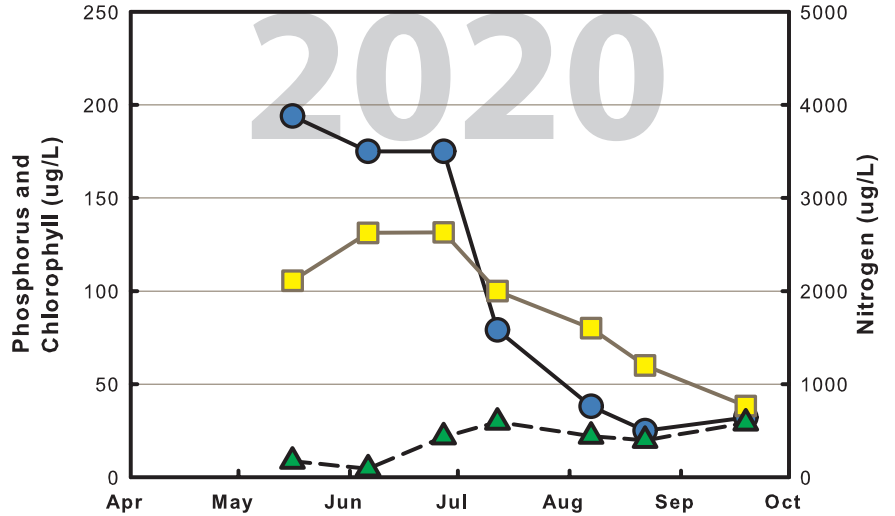
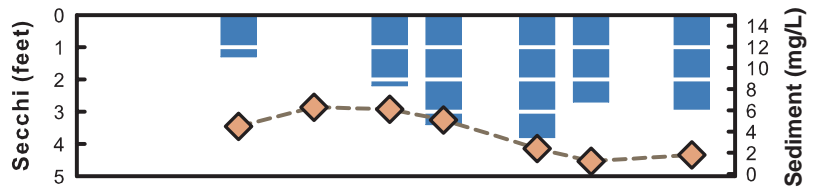
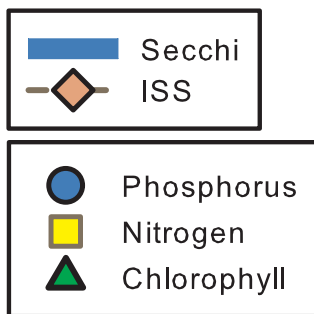
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

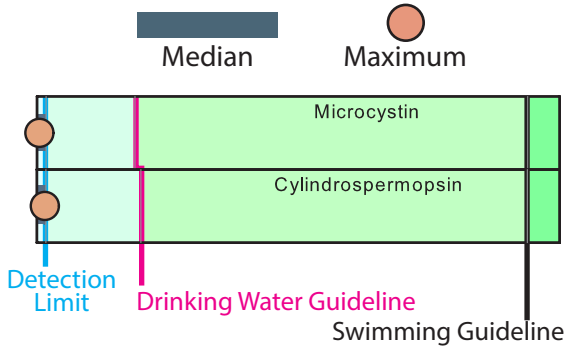
Legend for 2020 and Trend graphs



Montauk Site 1

2020 Data Table	5/3	5/31	6/28	7/10	8/31	9/21	9/29	10/31	Mean*
Temp (F)	63	57	57	59	57	55	55	56	57
Secchi (feet)	3.6	3.6	3.8	3.7	3.5	3.5	3.6	3.6	3.6
Phosphorus (µg/L)	11	9	8	9	13	11	11	12	10
Nitrogen (µg/L)	810	705	805	830	980	905	875	930	851
Ammonium (µg/L)	11	<10	<10	<10	<10	13	12	<10	<10
Nitrate (µg/L)	509	711	802	825	853	869	882	796	771
Chlorophyll (µg/L)	1.8	4.1	2.9	3.4	2.2	4.9	3.1	2.2	2.9
Sediment (mg/L)	1.9	1.8	1.4	1.6	1.1	1.7	1.6	1.8	1.6
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

2020 Algal Toxin Results



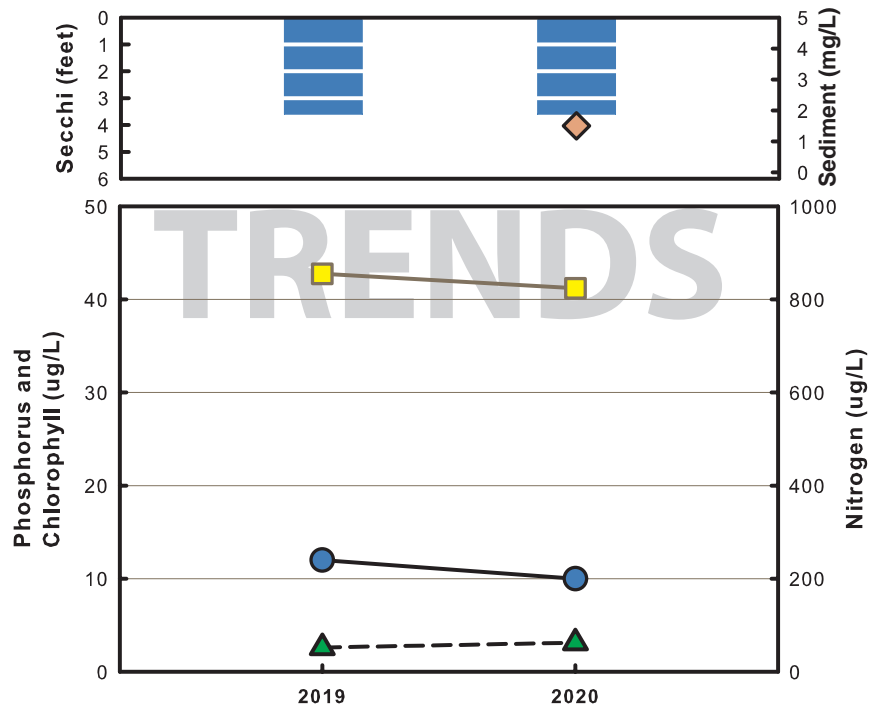
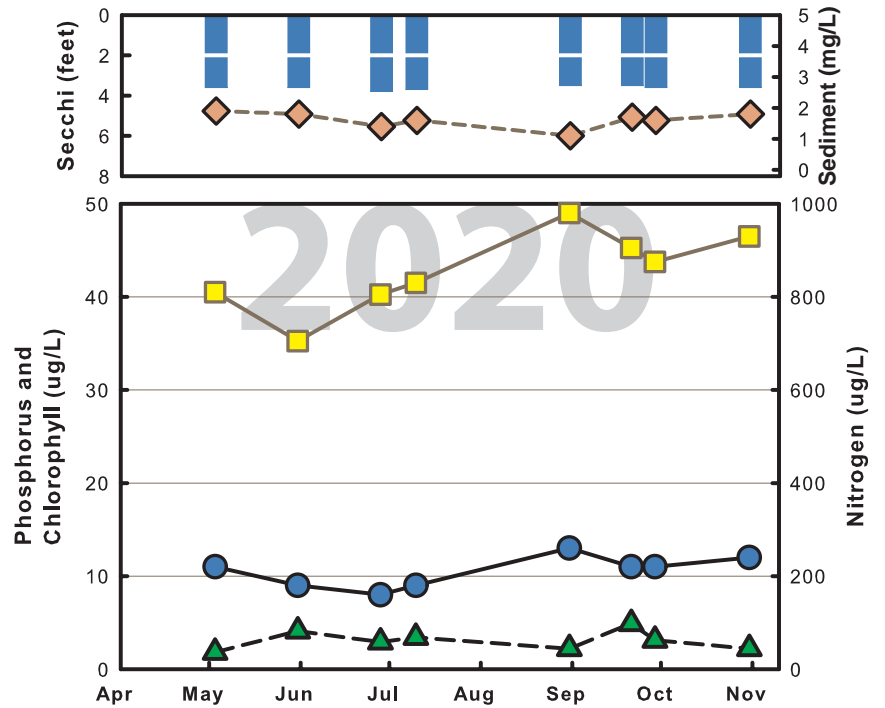
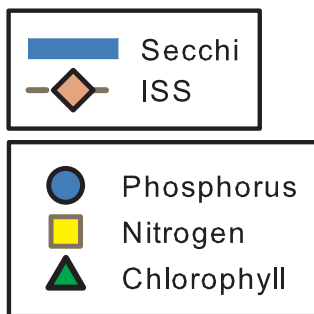
(* Table shows geometric means)

Above: Algal toxin results

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

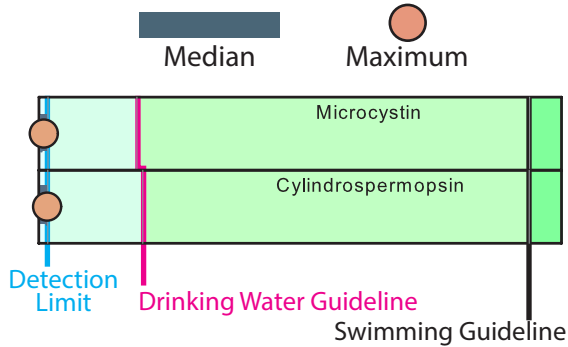
Legend for 2020 and Trend graphs



Phillips Site 1

2020 Data Table	4/28	5/26	5/28	6/11	6/12	7/4	7/23	9/4	9/22	Mean*
Temp (F)	60	72	74	75	76	82	83	80	70	74
Secchi (feet)	2.7	2.6	2.2	1.9	1.9	2.2	2.3	3.1	3.5	2.4
Phosphorus (µg/L)	49	50	37		80	41	40	24	24	40
Nitrogen (µg/L)	770	685	565		760	580	560	475	425	591
Ammonium (µg/L)										
Nitrate (µg/L)										
Chlorophyll (µg/L)	6.9	8.6	11.8	2.6	4.2	16.5	14.5	6.4	6.4	7.5
Sediment (mg/L)	5.3	7.5	7.1	6.3	6.2	6.5	6.9	1.8	2.8	5.1
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

2020 Algal Toxin Results



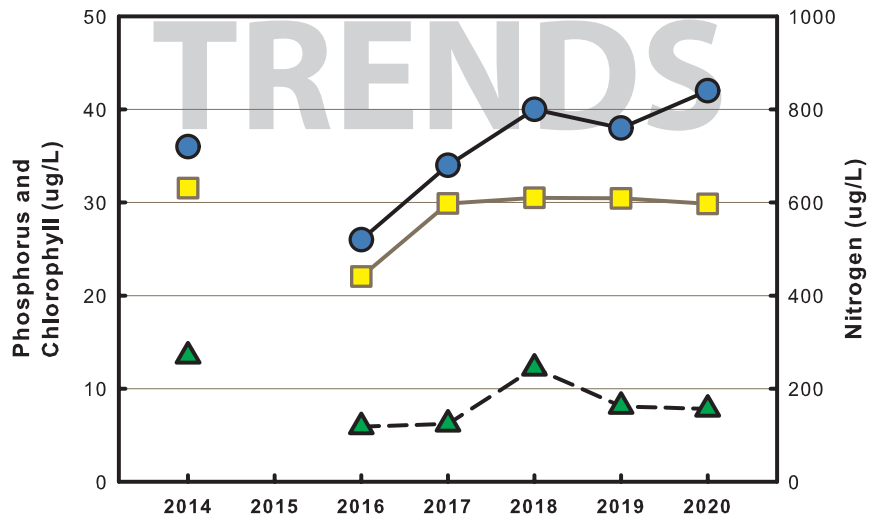
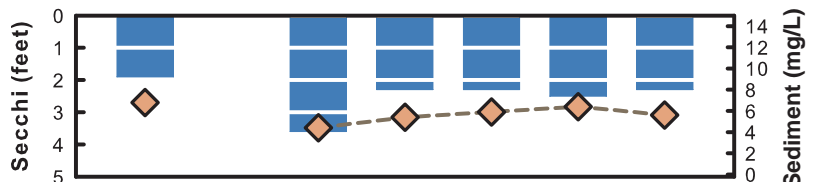
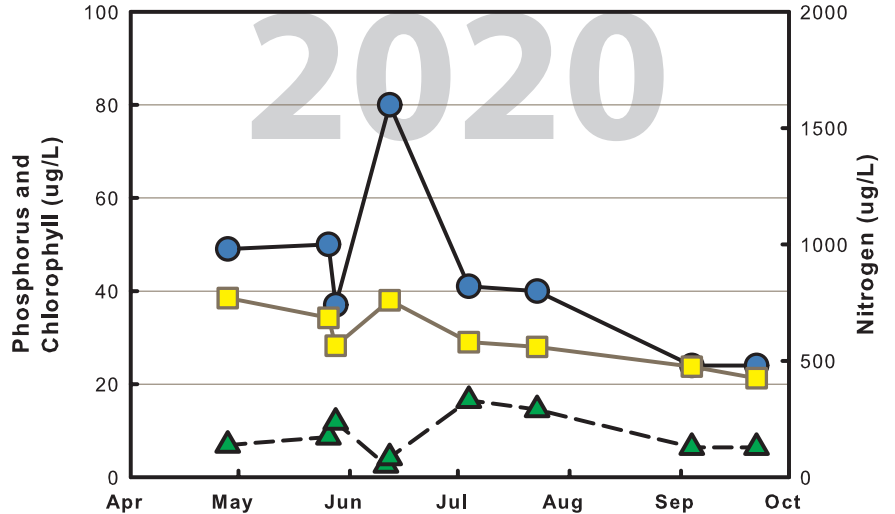
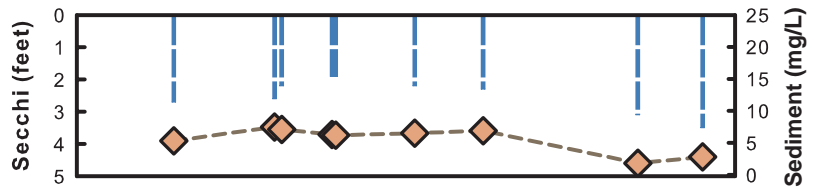
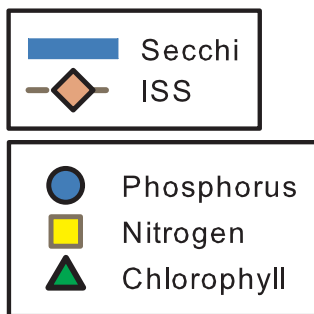
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Pomme de Terre Site 5

2020 Data Table	6/21	8/9	Mean*
Temp (F)	83	82	83
Secchi (feet)	2.2	3.0	2.6
Phosphorus (µg/L)	65	31	45
Nitrogen (µg/L)	855	550	686
Ammonium (µg/L)			
Nitrate (µg/L)			
Chlorophyll (µg/L)	34.5	21.3	27.1
Sediment (mg/L)	3.7	1.8	2.6
Microcystin (µg/L)			
Cylindro (µg/L)			

No 2020 Toxin Data

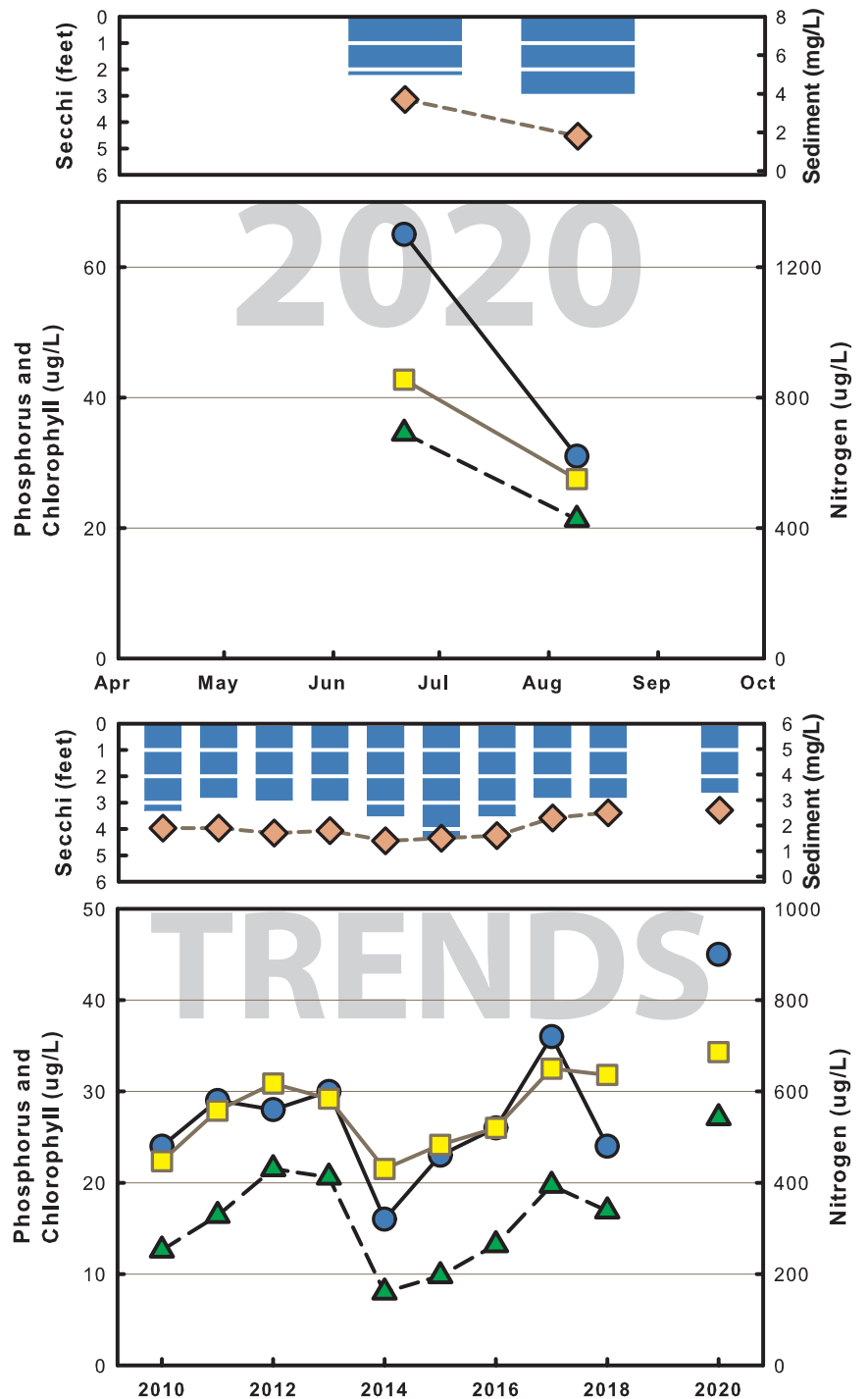
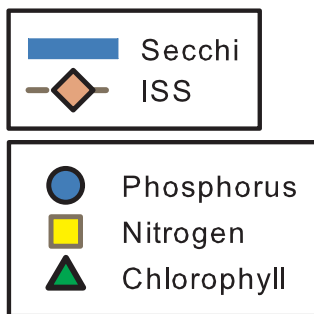
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

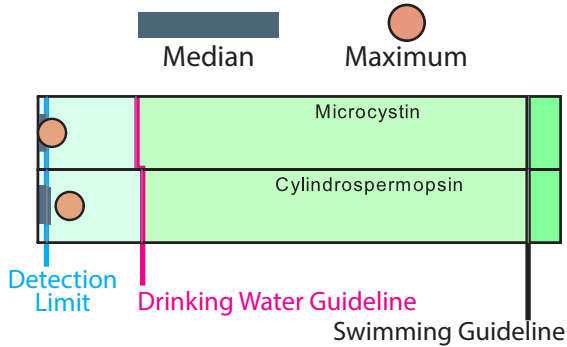
Legend for 2020 and Trend graphs



Rothwell Site 1

2020 Data Table	4/23	5/15	6/2	6/24	7/16	8/5	8/28	9/18	Mean*
Temp (F)	57	62	73	77	80	75	81	70	71
Secchi (feet)	3.5	3.7	5.2	2.3	1.7	1.7	2.7	2.6	2.7
Phosphorus (µg/L)	38	34	35	41	43	40	25	23	34
Nitrogen (µg/L)	810	615	525	690	1090	1030	830	830	782
Ammonium (µg/L)		40	20	79	<10	49	14	12	22
Nitrate (µg/L)		48	6	19	<5	289	7	6	15
Chlorophyll (µg/L)	4.6	9.2	6.2	32.8	34.6	37.9	19.4	22.1	16.2
Sediment (mg/L)	2.9	2.6	1.2	1.1	1.2	0.7	1.2	1.1	1.4
Microcystin (µg/L)	<0.10	0.14	<0.10	0.18	0.23	0.12	<0.10	<0.10	<0.10
Cylindro (µg/L)	0.29	0.21	0.13	0.06	0.06	0.06	0.23	0.77	0.15

2020 Algal Toxin Results



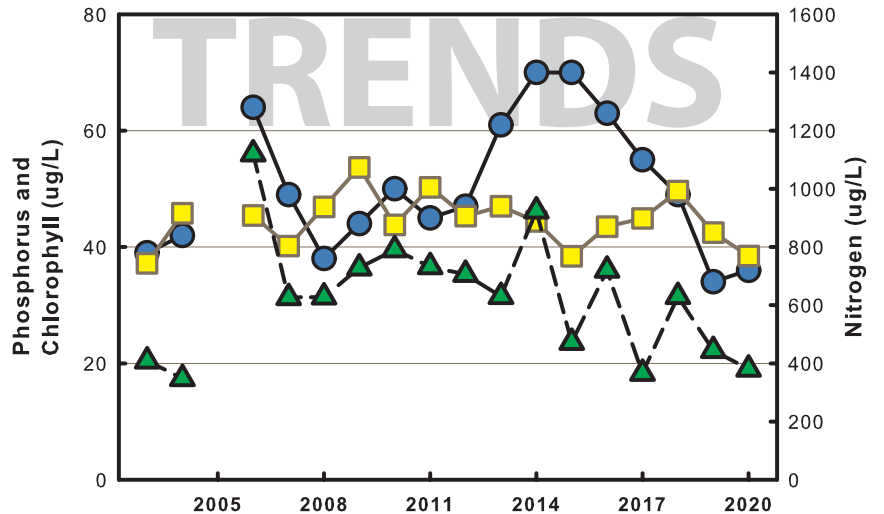
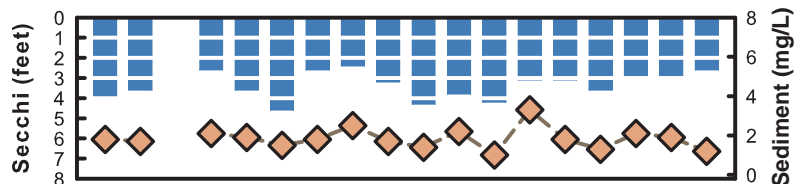
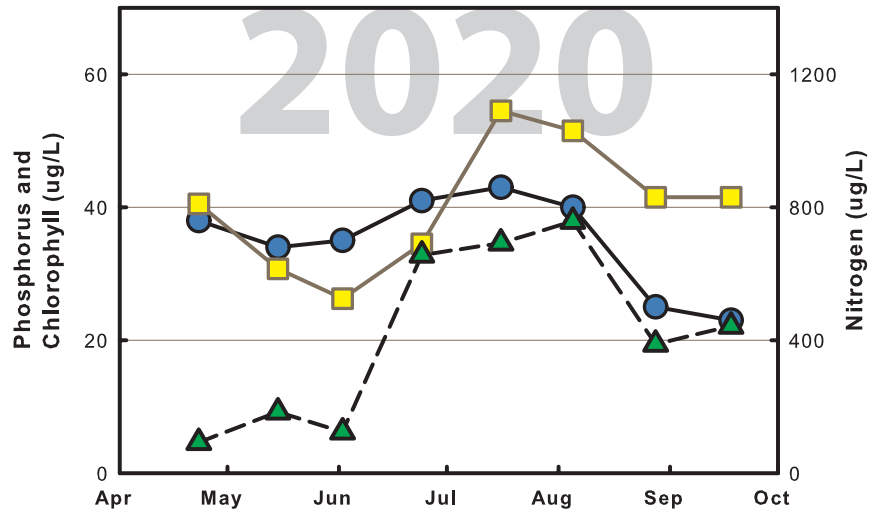
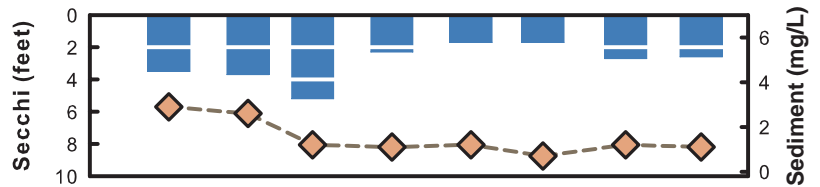
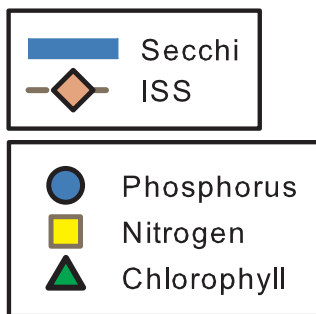
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Simpson Site 1

2020 Data Table	5/31	6/28	7/17	8/8	8/30	10/1	Mean*
Temp (F)	76	82	82	82	81	69	79
Secchi (feet)	2.3	1.8	1.6	1.2	2.2	1.7	1.8
Phosphorus (µg/L)	72	79	85	120	55	55	75
Nitrogen (µg/L)	645	585	595	885	470	555	611
Ammonium (µg/L)							
Nitrate (µg/L)							
Chlorophyll (µg/L)	35.5	37.6	39.9	76.2	33.5	31.6	40.3
Sediment (mg/L)	4.8	5.4	9.6	6.7	2.9	9.6	6.0
Microcystin (µg/L)							
Cylindro (µg/L)							

No 2020 Toxin Data

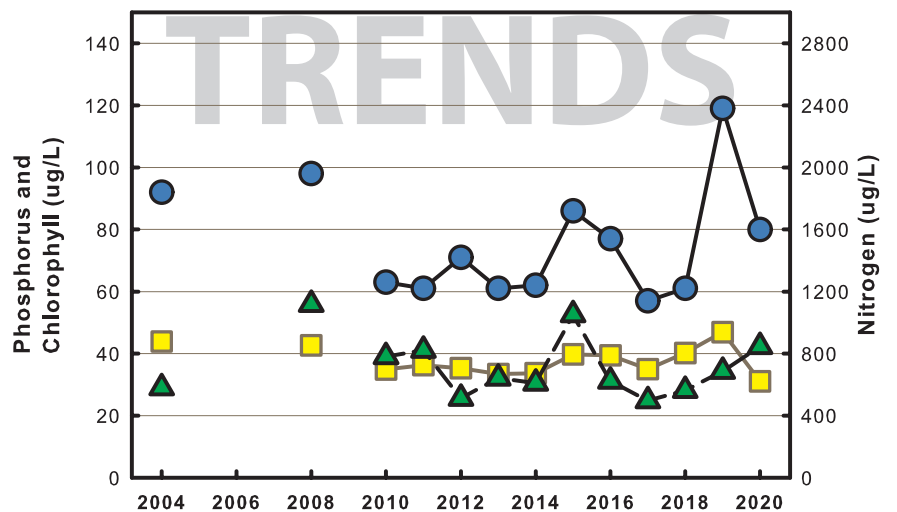
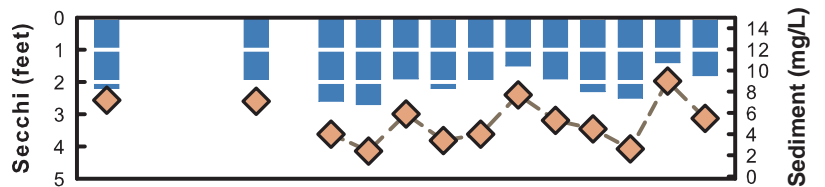
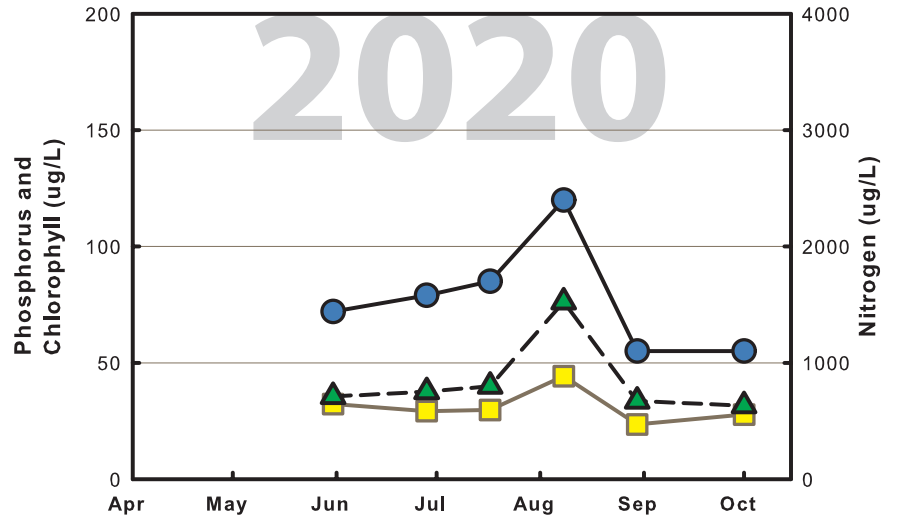
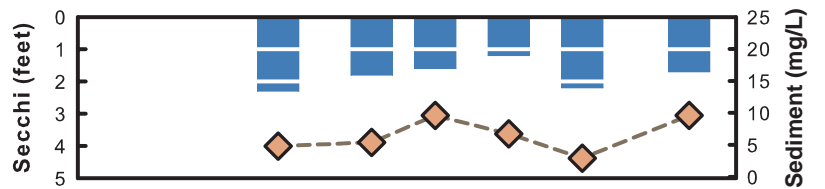
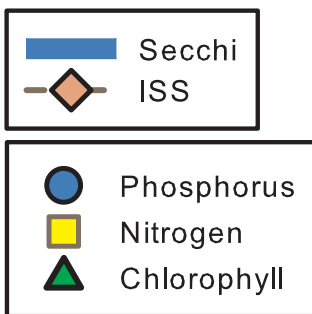
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

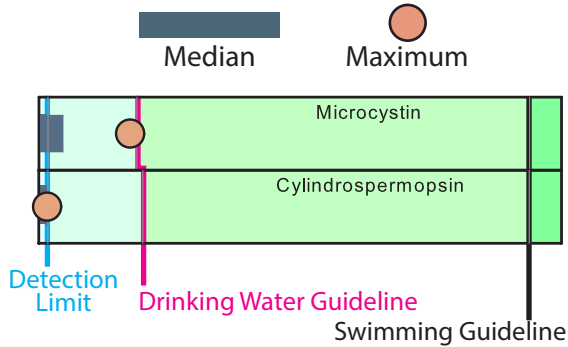
Legend for 2020 and Trend graphs



Smithville Site 4

2020 Data Table	4/28	5/18	6/4	6/24	7/16	8/6	8/27	9/17	Mean*
Temp (F)	58	62	74	81	84	80	84	74	74
Secchi (feet)	2.9	1.9	2.6	2.6	2.0	1.8	1.9	1.9	2.2
Phosphorus (µg/L)	35	47	33	53	44	41	39	46	42
Nitrogen (µg/L)	1395	1873	1570	1635	790	745	820	765	1120
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	2.0	6.2	12.0	31.6	31.1	30.0	28.7	34.1	16.0
Sediment (mg/L)	2.0	3.7	1.8	2.2	2.6	2.6	4.4	3.4	2.7
Microcystin (µg/L)	<0.10	<0.10	<0.10	1.49	0.36	0.44	0.47	0.43	0.22
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



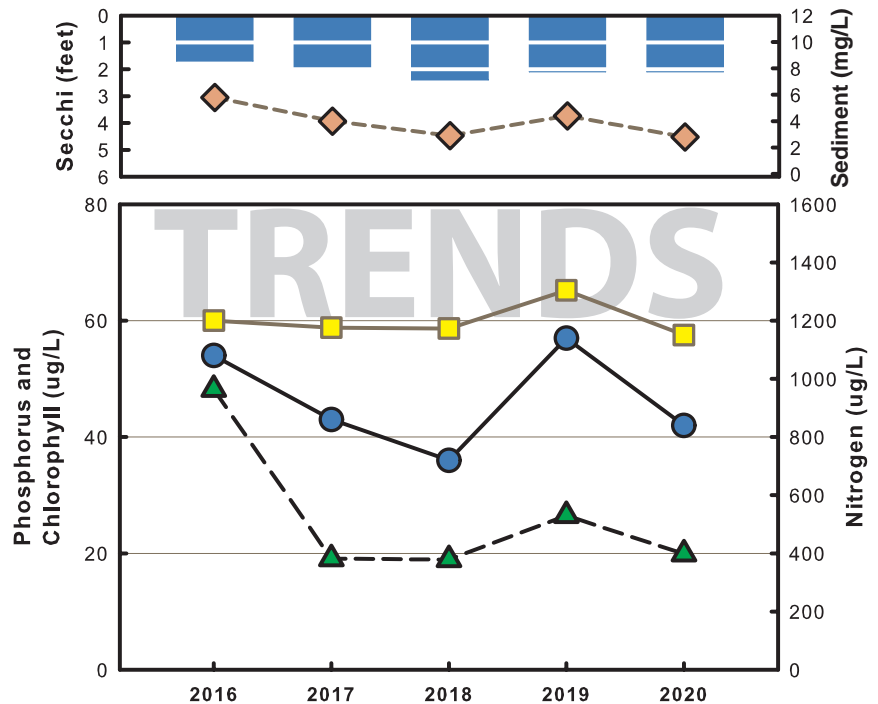
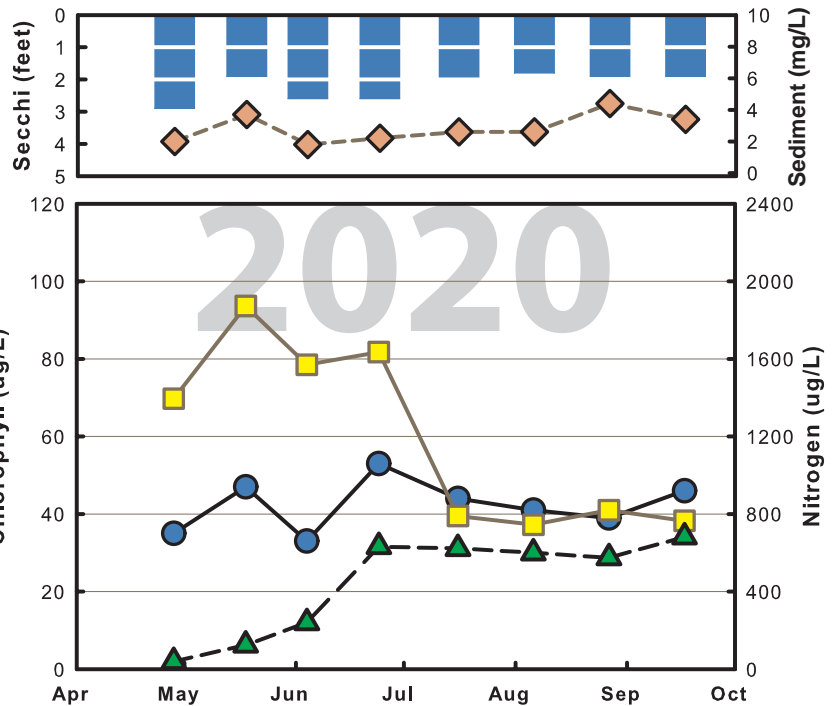
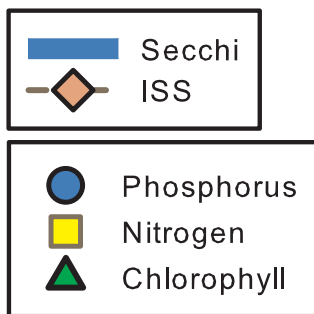
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

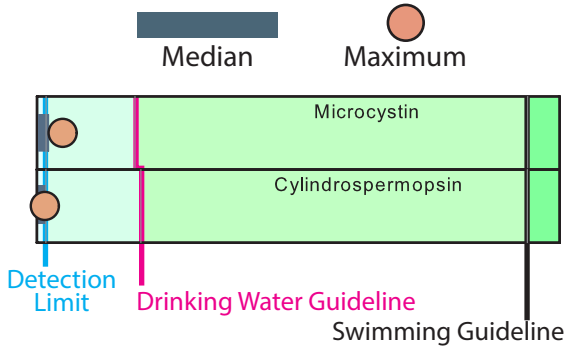
Legend for 2020 and Trend graphs



Smithville Site 5

2020 Data Table	4/24	5/13	6/1	6/28	7/16	8/7	8/26	9/14	Mean*
Temp (F)	57	58	70	82	82	78	84	74	72
Secchi (feet)	6.8	3.3	3.6	3.4	2.8	2.2	2.2	2.3	3.1
Phosphorus (µg/L)	15	22	20	27	23	33	29	44	25
Nitrogen (µg/L)	985	1295	1165	810	690	715	770	820	885
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.5	5.2	16.3	16.5	22.4	38.2	35.2	37.3	16.5
Sediment (mg/L)	0.9	3.5	2.8	2.7	1.2	2.6	3.7	1.4	2.1
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.19	0.19	0.25	0.32	0.43	0.14
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



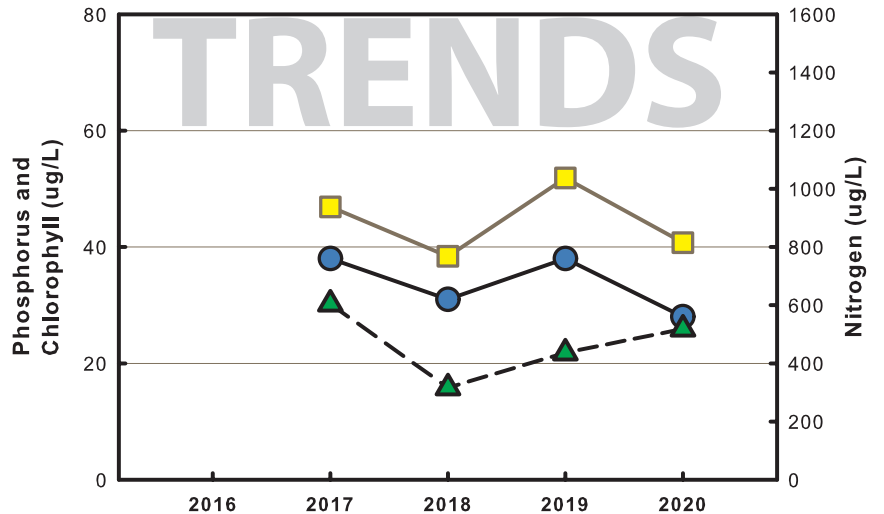
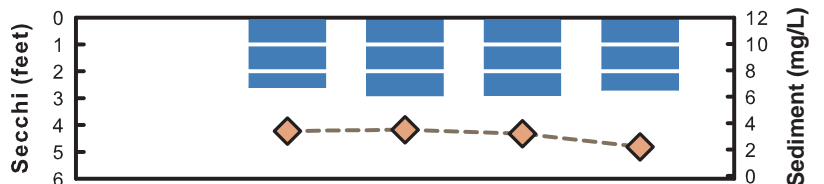
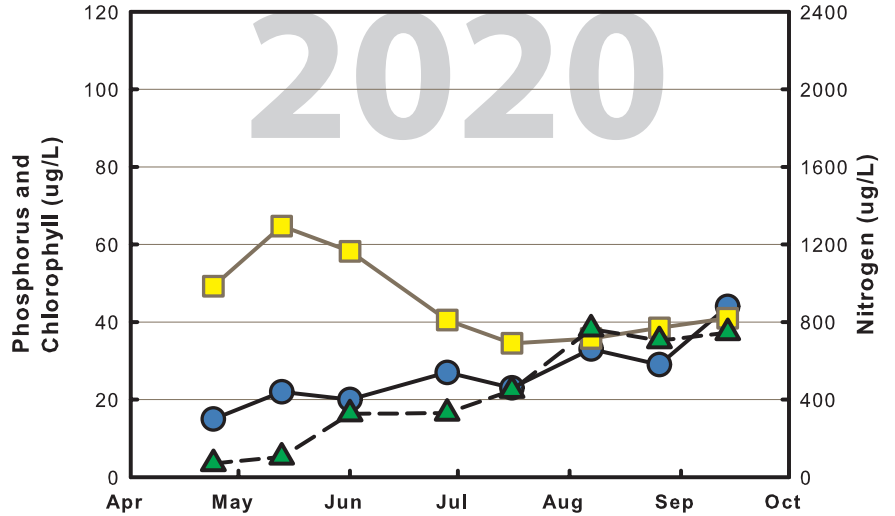
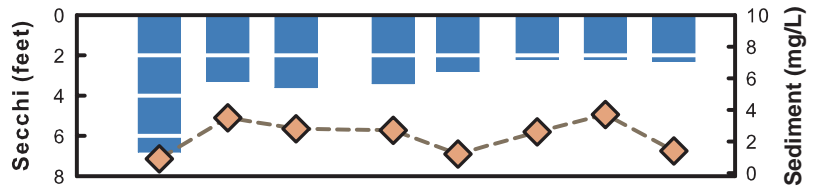
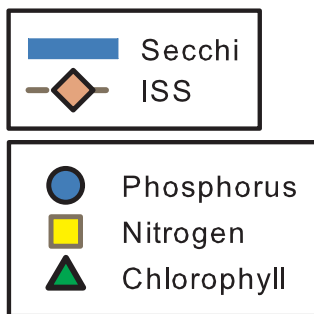
(* Table shows geometric means)

Above: Algal toxin results

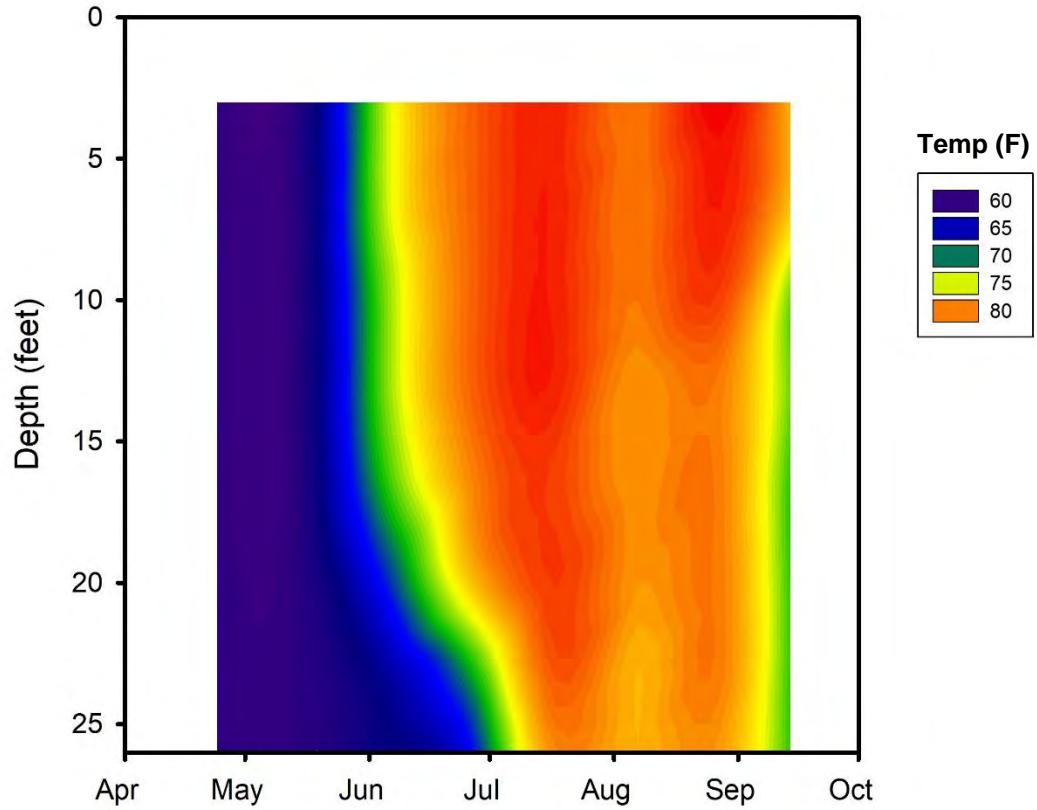
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Smithville 5



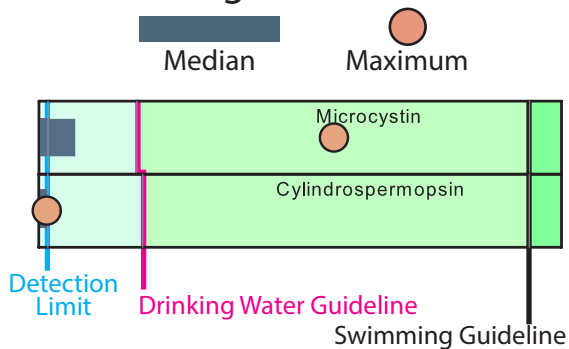
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 Site 1

2020 Data Table	6/9	6/25	7/18	8/4	8/30	9/17	Mean*
Temp (F)	80	89	85	79	86	76	82
Secchi (feet)	2.7	1.9	2.3	1.7	1.8	1.7	2.0
Phosphorus (µg/L)	233	172	294	260	303	330	260
Nitrogen (µg/L)	895	730	1145	1105	1345	1105	1035
Ammonium (µg/L)	202	<10	<10	93	<10	<10	15
Nitrate (µg/L)	14	<5	<5	27	<5	<5	6
Chlorophyll (µg/L)	28.1	25.8	38.7	78.9	64.4	63.1	45.6
Sediment (mg/L)	5.6	3.6	4.0	4.0	4.9	5.6	4.5
Microcystin (µg/L)	<0.10	0.14	0.52	0.65	1.26	4.81	0.49
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results

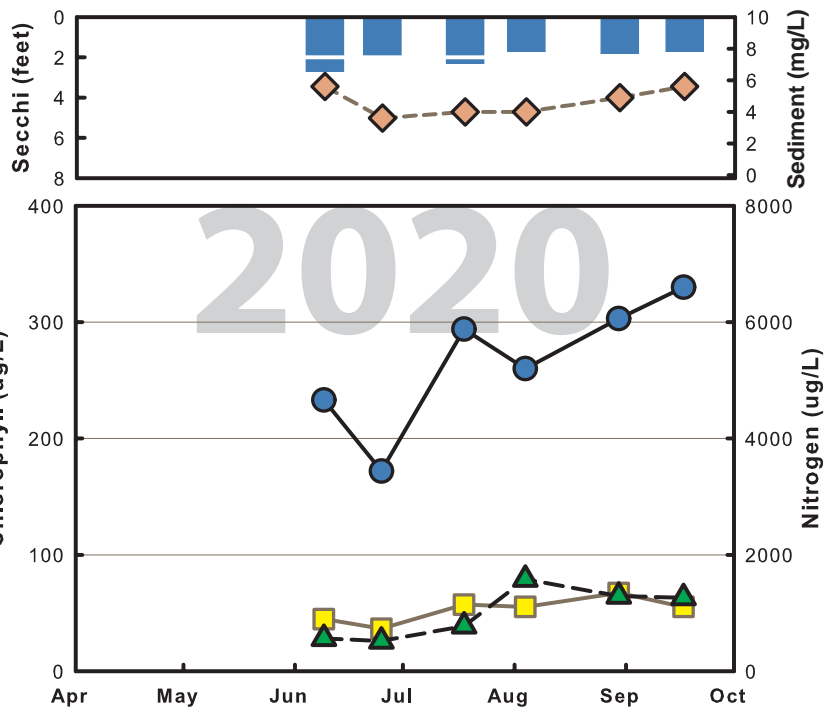


(* Table shows geometric means)

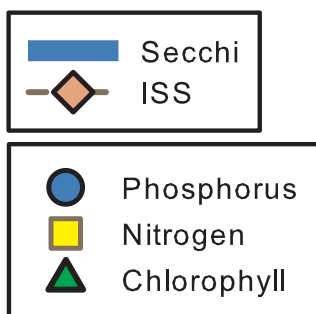
Above: Algal toxin results

Right top: 2020 data graph

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



Legend for 2020 and Trend graphs



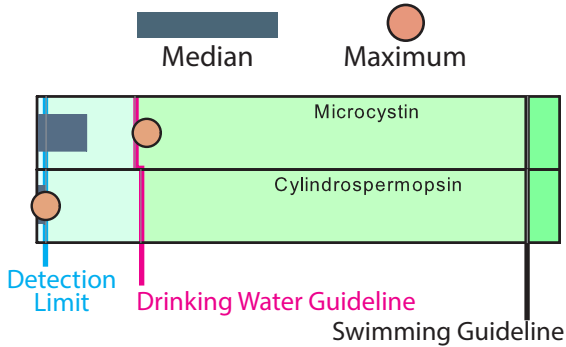
TRENDS

2020 = First Season of Monitoring

Spring Fork Site 1.1

2020 Data Table	4/21	6/6	7/16	Mean*
Temp (F)	63	81	85	76
Secchi (feet)	1.4	1.7	1.1	1.4
Phosphorus (µg/L)	174	105	216	158
Nitrogen (µg/L)	1205	1340	2085	1499
Ammonium (µg/L)				
Nitrate (µg/L)				
Chlorophyll (µg/L)	28.5	44.8	88.5	48.3
Sediment (mg/L)	4.8	2.2	2.8	3.1
Microcystin (µg/L)	<0.10	0.82	1.79	0.42
Cylindro (µg/L)	0.05	<0.04	<0.04	<0.04

2020 Algal Toxin Results



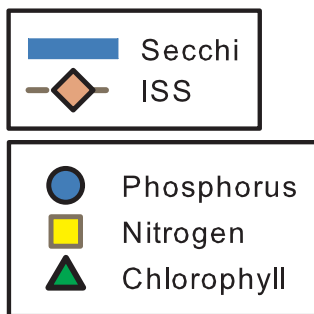
(* Table shows geometric means)

Above: Algal toxin results

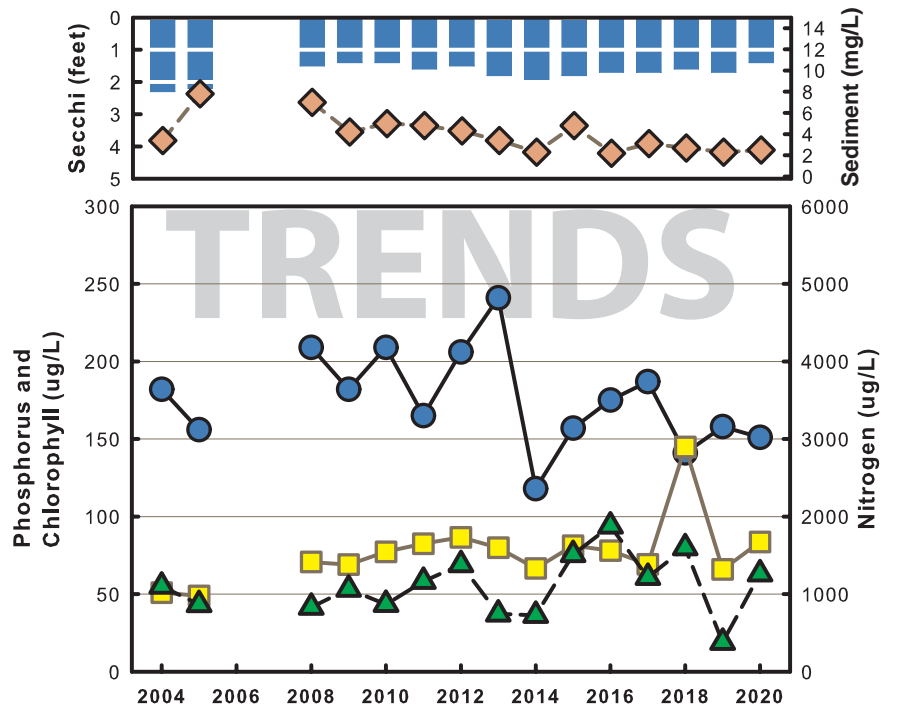
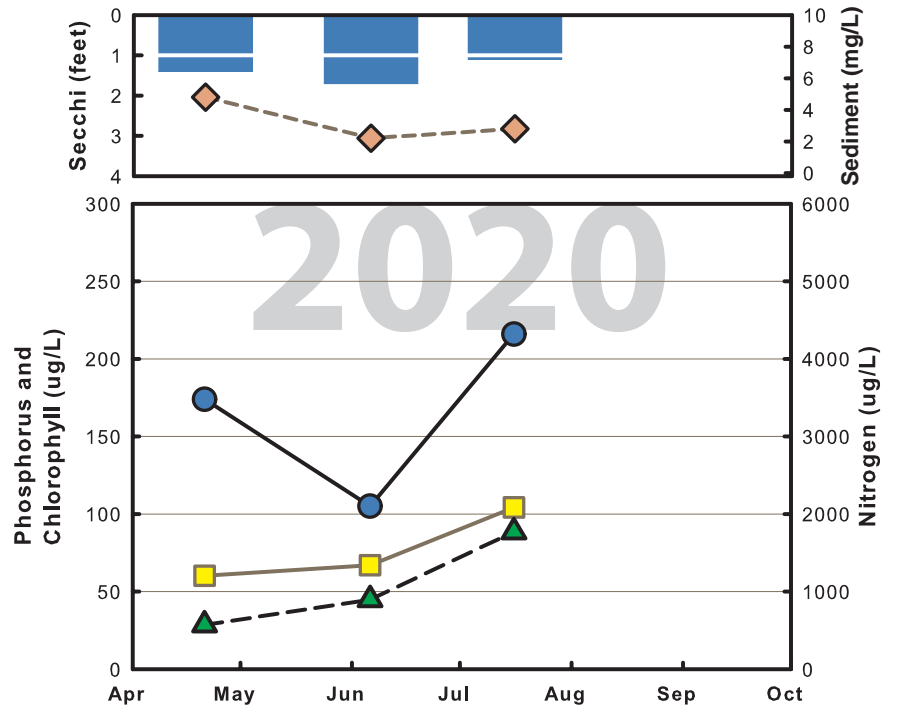
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



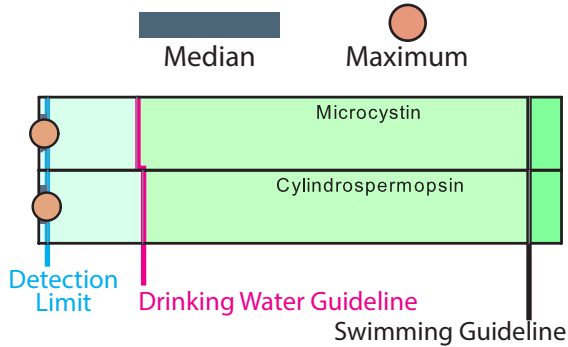
Trends graph shows data Spring Fork Site 1
(2004-2014) combined with Site 1.1
(2015-2020)



Lake Springfield Site 1

2020 Data Table	4/21	5/14	6/2	6/23	7/13	8/4	8/24	9/15	Mean*
Temp (F)	60	65	70	76	81	77	81	78	73
Secchi (feet)	1.9	2.3	1.7	2.1	1.5	1.0	1.7	1.5	1.7
Phosphorus (µg/L)	34	43	31	36	81	80	67	71	52
Nitrogen (µg/L)	1145	1320	1275	970	905	1192	545	480	923
Ammonium (µg/L)		33	75	<10	134	28	<10	<10	20
Nitrate (µg/L)		810	1034	676	302	751	<5	<5	142
Chlorophyll (µg/L)	7.0	3.0	2.0	18.0	31.0	30.0	26.0	38.0	12.7
Sediment (mg/L)	12.4	10.2	7.4	5.4	15.8	17.6	8.0	15.0	10.7
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

2020 Algal Toxin Results



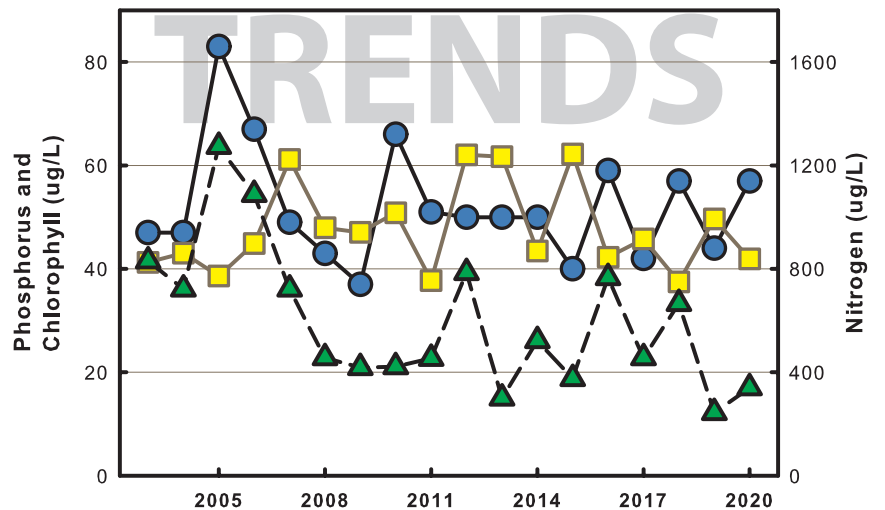
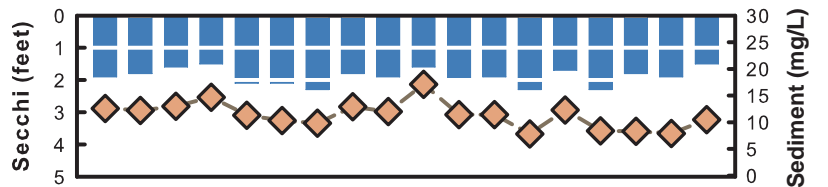
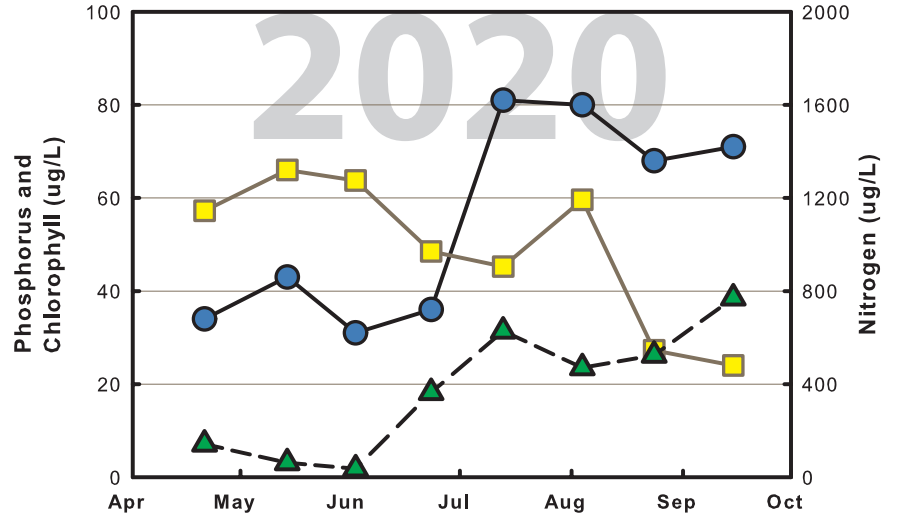
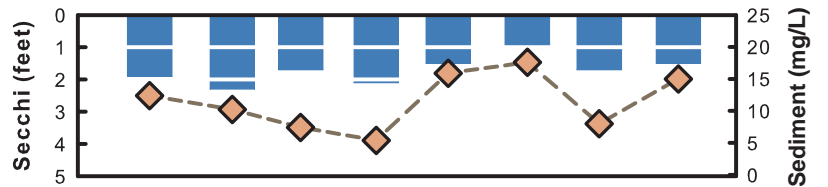
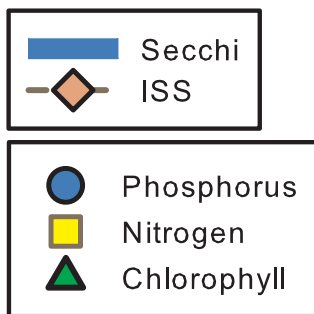
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

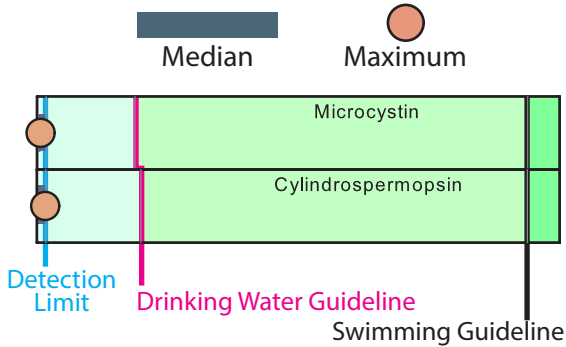
Legend for 2020 and Trend graphs



Lake Springfield Site 2

2020 Data Table	4/21	5/14	6/2	6/23	7/13	8/4	8/24	9/15	Mean*
Temp (F)	59		65	72	79	71	75	71	70
Secchi (feet)	4.5	2.6	4.8	4.7	4.2	3.8	3.9	2.8	3.8
Phosphorus (µg/L)		30	22	16	21	29	22	21	23
Nitrogen (µg/L)		1280	1255	965	895	945	590	460	863
Ammonium (µg/L)		36	22	55	12	16	19	13	21
Nitrate (µg/L)		975	1059	898	610	473	436	359	636
Chlorophyll (µg/L)	1.1	3.4	0.7	1.6	3.5	1.6	7.7	5.1	2.3
Sediment (mg/L)	1.5	9.2	4.3	3.2	3.9	5.0	3.4	6.7	4.1
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

2020 Algal Toxin Results



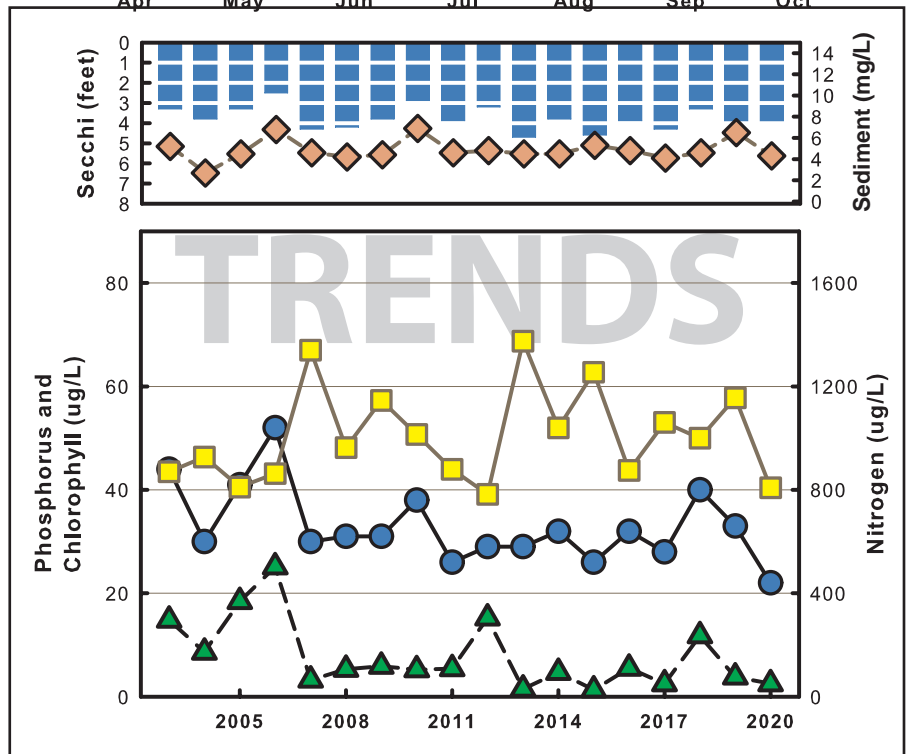
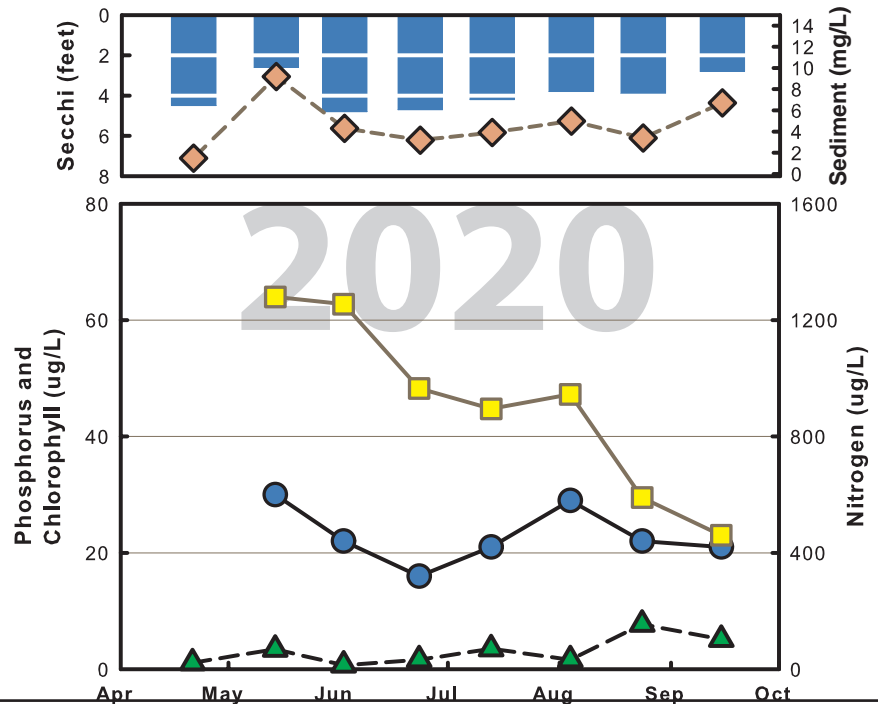
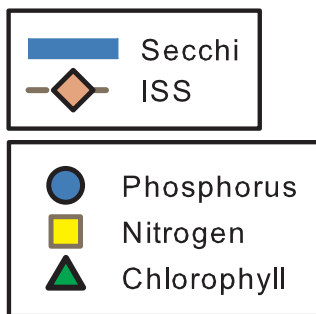
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

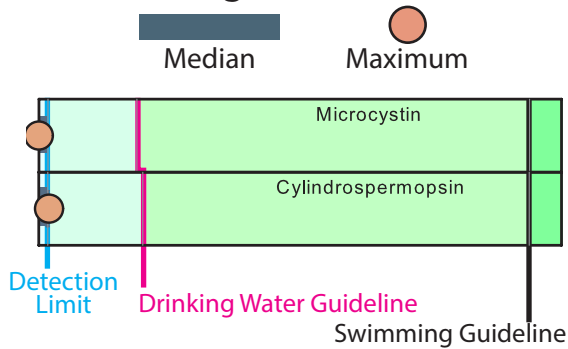
Legend for 2020 and Trend graphs



Stephens Site 1

2020 Data Table	9/4	Mean*
Temp (F)	79	79
Secchi (feet)	2.6	2.6
Phosphorus (µg/L)	40	40
Nitrogen (µg/L)	575	575
Ammonium (µg/L)	12	12
Nitrate (µg/L)	<5	<5
Chlorophyll (µg/L)	25.0	25.0
Sediment (mg/L)	2.4	2.4
Microcystin (µg/L)	<0.10	<0.10
Cylindro (µg/L)	0.09	0.09

2020 Algal Toxin Results



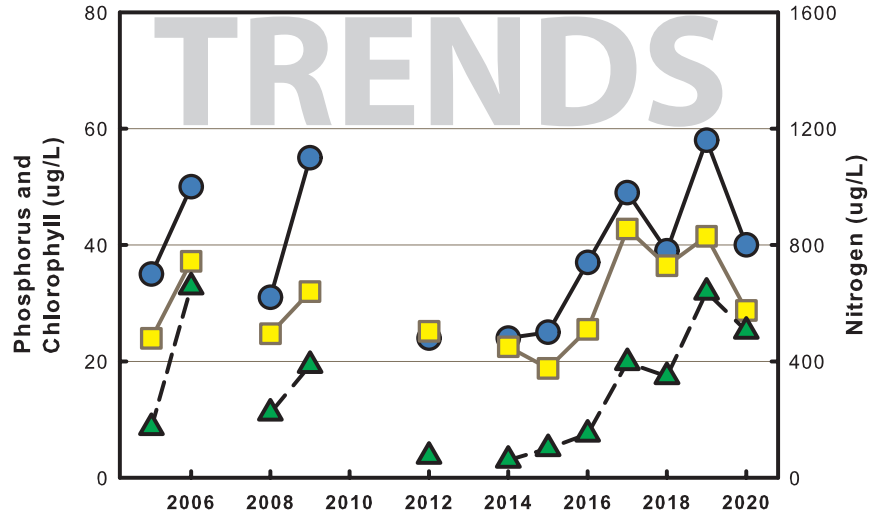
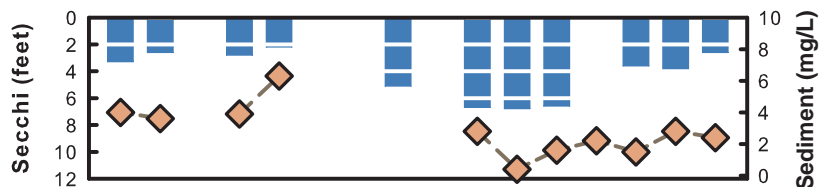
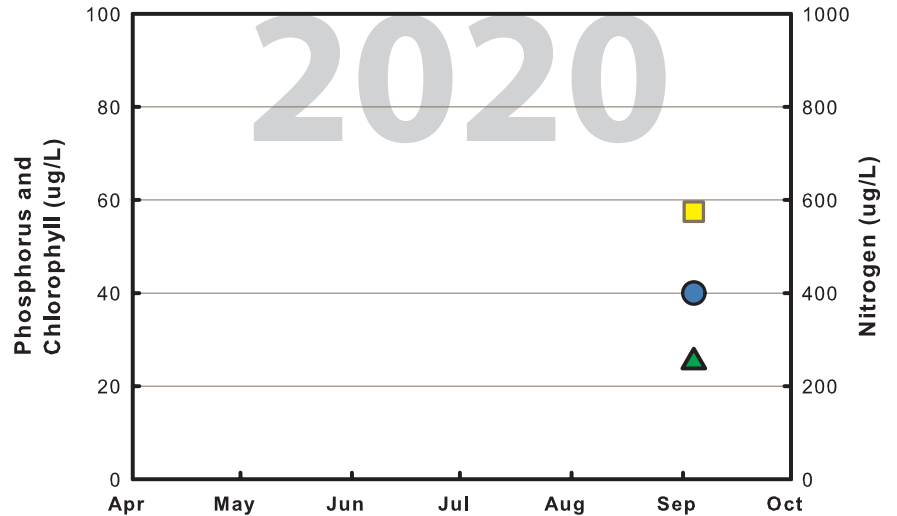
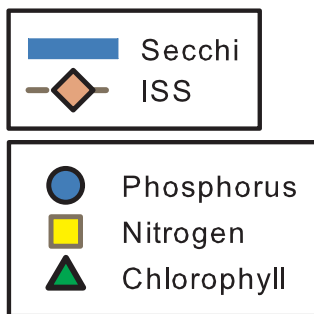
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Stockton Site 1

2020 Data Table	4/21	6/5	7/2	7/13	8/6	9/16	Mean*
Temp (F)	56	78	82	84	80	76	75
Secchi (feet)	16.0	0.9	7.0	8.0	9.0	6.0	5.9
Phosphorus (µg/L)	10	14	10	9	7	7	9
Nitrogen (µg/L)	975	740	445	350	215	265	431
Ammonium (µg/L)							
Nitrate (µg/L)							
Chlorophyll (µg/L)	3.0	7.0	10.0	6.0	5.0	9.0	6.2
Sediment (mg/L)	<0.1	<0.1	1.0	1.1	<0.1	0.2	0.2
Microcystin (µg/L)							
Cylindro (µg/L)							

No 2020 Toxin Data

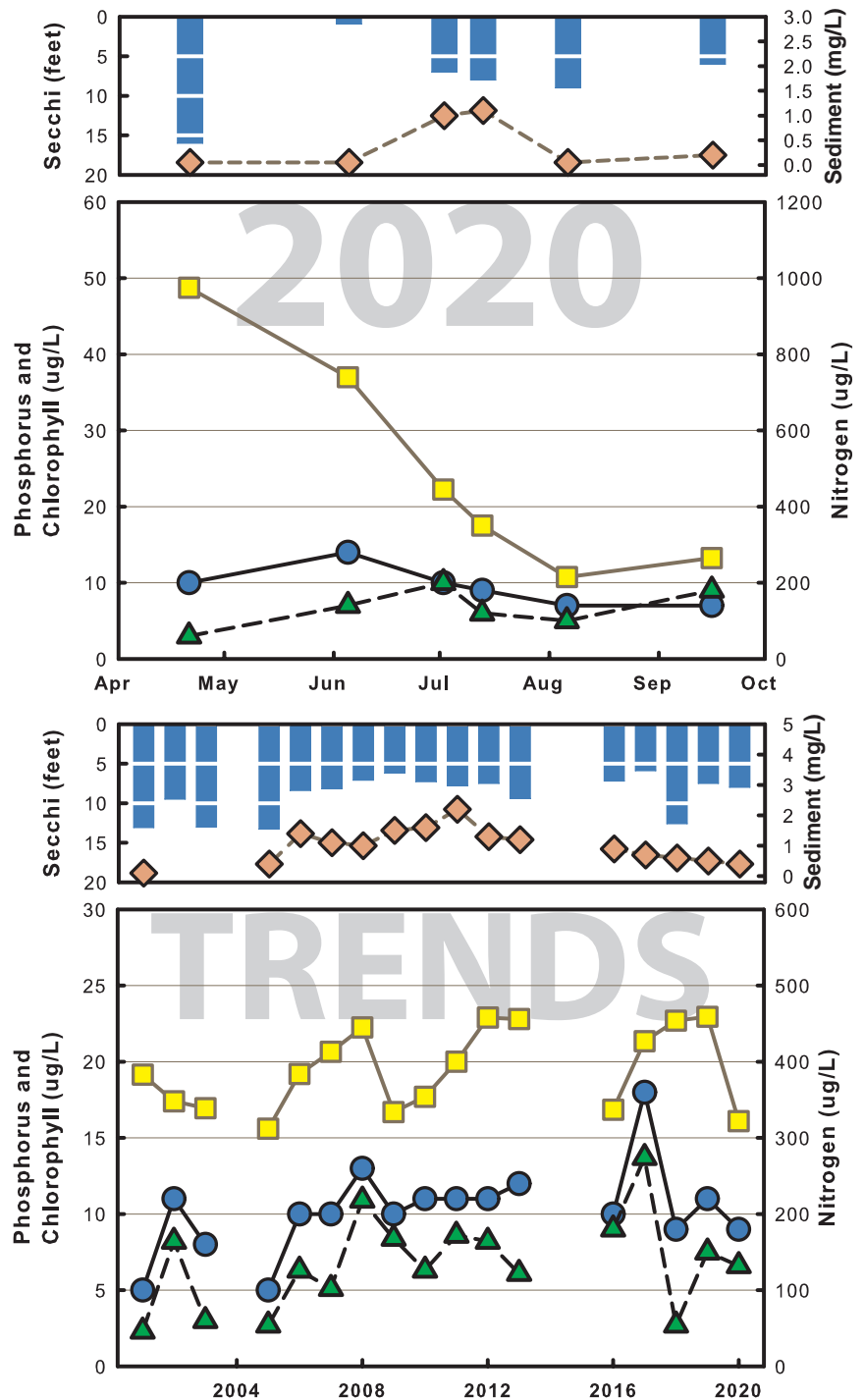
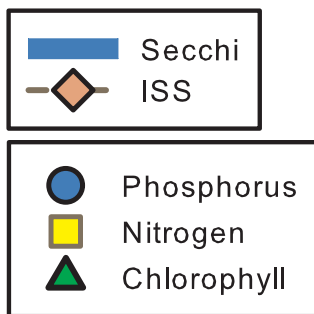
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

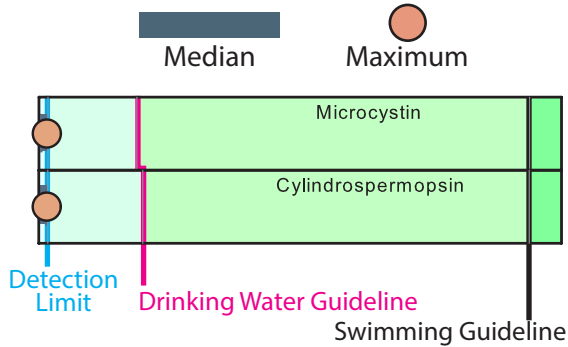
Legend for 2020 and Trend graphs



Stockton Site 2

2020 Data Table	4/21	5/14	6/2	6/23	7/14	8/4	8/25	9/15	Mean*
Temp (F)	58	62	79	83	86	81	89	79	76
Secchi (feet)	13.1	11.8	7.8	4.3	5.7	5.3	7.6	6.0	7.2
Phosphorus (µg/L)	13	13	16	15	9	10	8	9	11
Nitrogen (µg/L)	885	825	690	525	285	260	285	305	451
Ammonium (µg/L)	44	43	<10	20	<10	<10	<10	<10	10
Nitrate (µg/L)	667	654	377	125	<5	<5	<5	<5	34
Chlorophyll (µg/L)	3.0	2.0	8.0	16.0	8.0	8.0	5.0	10.0	6.3
Sediment (mg/L)	0.9	0.9	0.7	2.8	0.9	0.6	0.3	0.6	0.8
Microcystin (µg/L)	<0.10	<0.10	<0.10	0.11	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	<0.04

2020 Algal Toxin Results



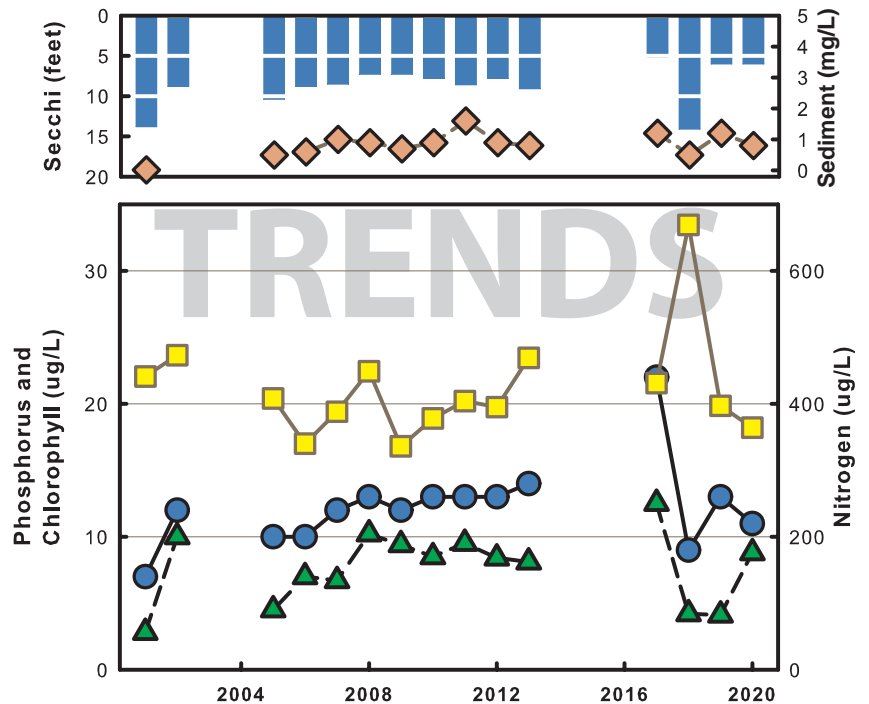
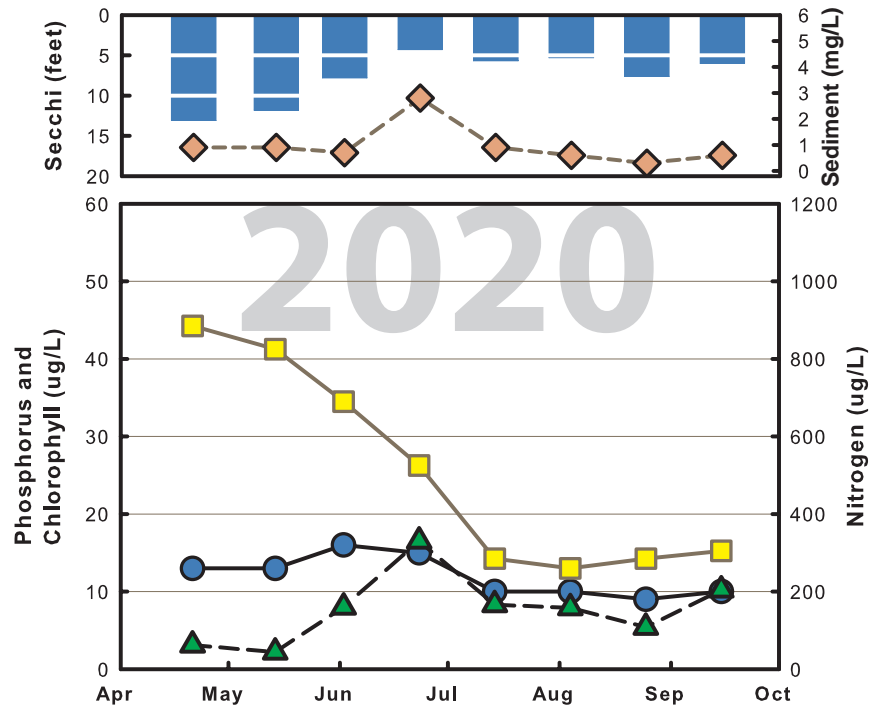
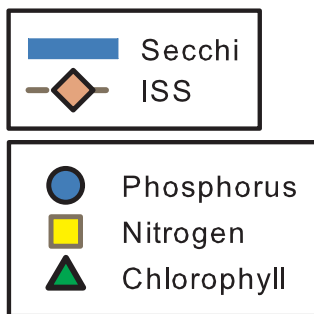
(* Table shows geometric means)

Above: Algal toxin results

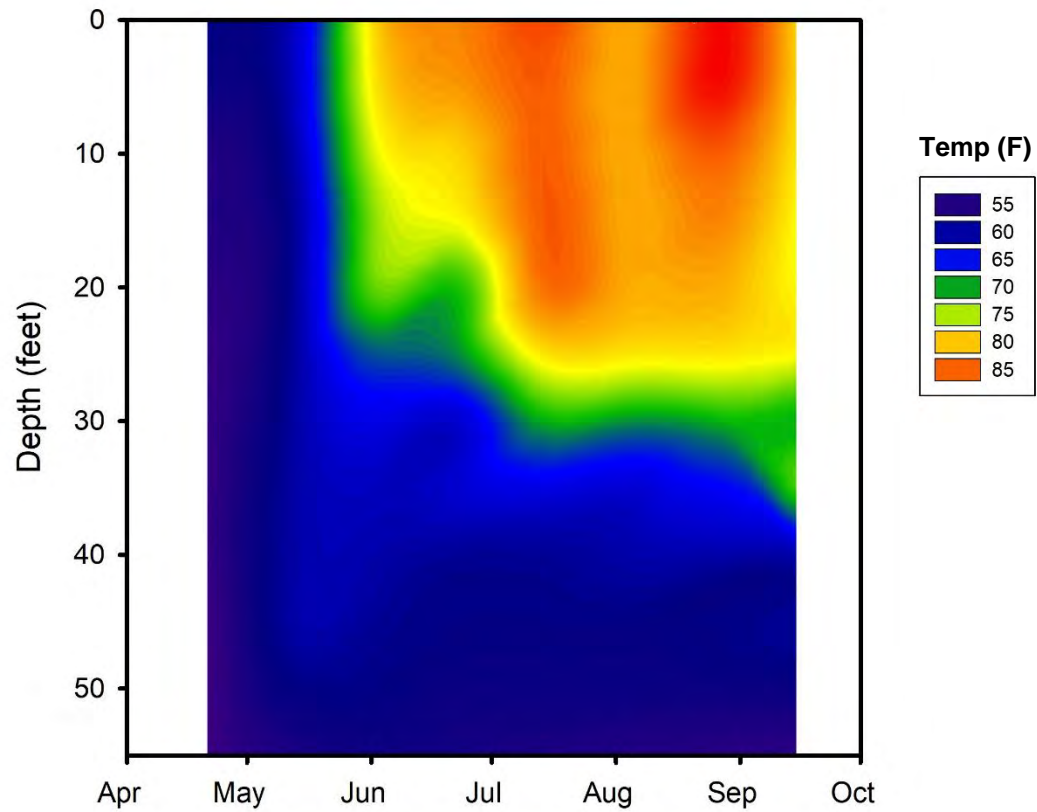
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Stockton 2



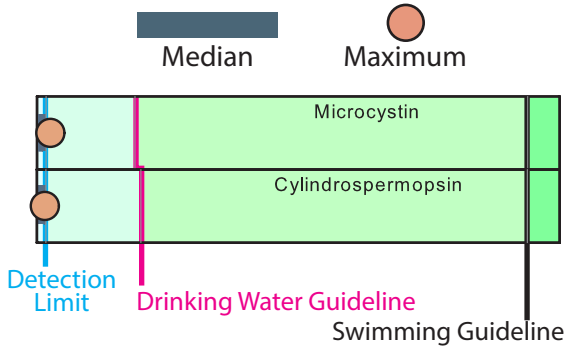
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 6

2020 Data Table	5/14	6/2	6/23	7/14	8/25	9/15	Mean*
Temp (F)	63	79	83	85	90		79
Secchi (feet)	6.1	3.8	3.6	3.6	4.7		4.3
Phosphorus (µg/L)	19	17	22	19	11	24	18
Nitrogen (µg/L)	750	560	547	360	305	390	463
Ammonium (µg/L)	63	<10	32	<10	<10	<10	10
Nitrate (µg/L)	498	104	107	<5	<5	<5	23
Chlorophyll (µg/L)	8.0	23.0	15.0	16.0	9.0	22.0	14.4
Sediment (mg/L)	2.7	0.5	3.9	2.6	0.7	1.9	1.6
Microcystin (µg/L)	<0.10	<0.10	0.22	0.12	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



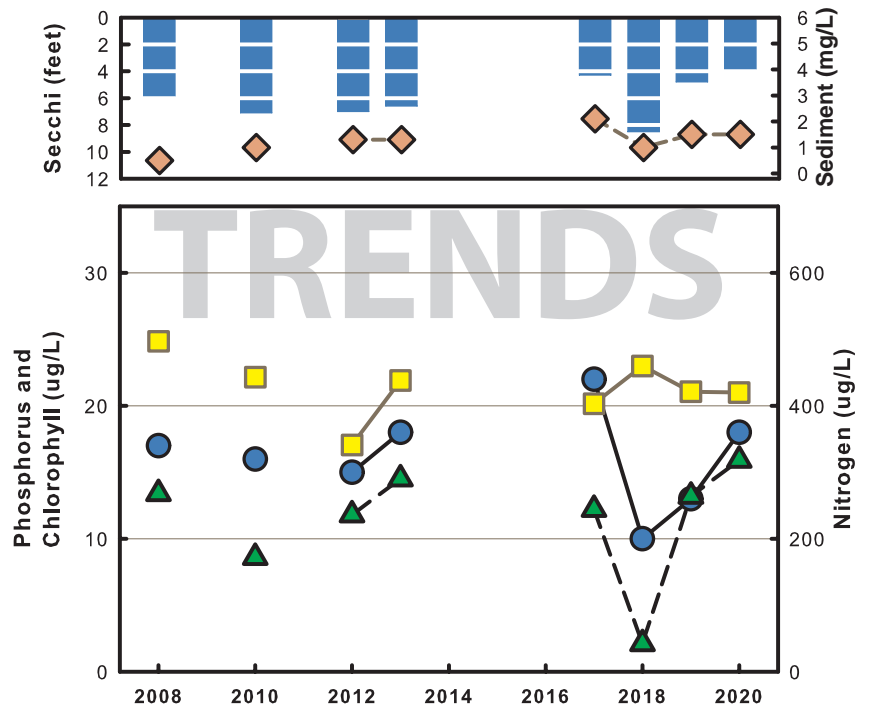
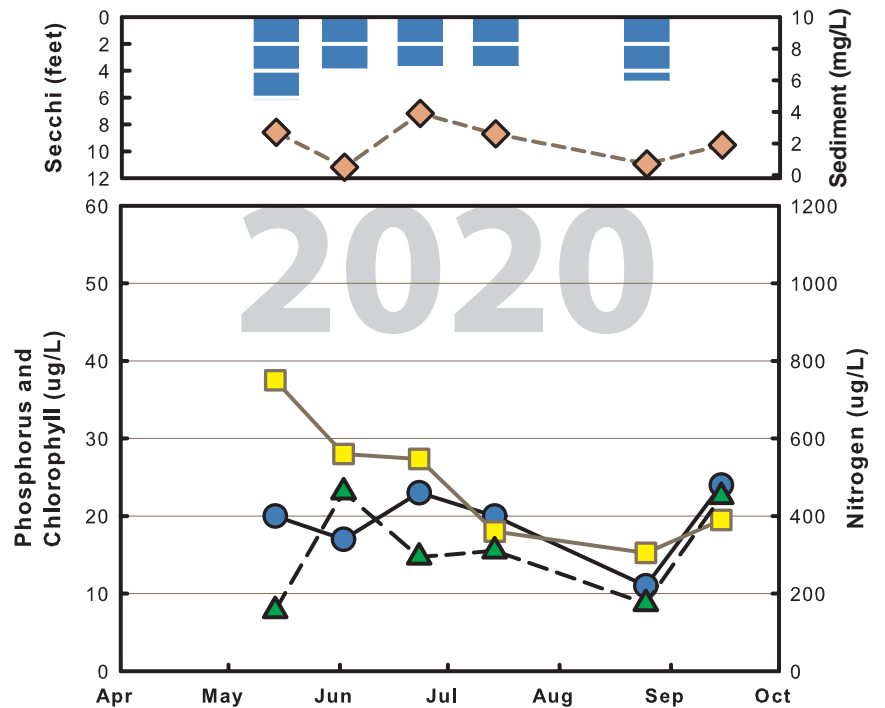
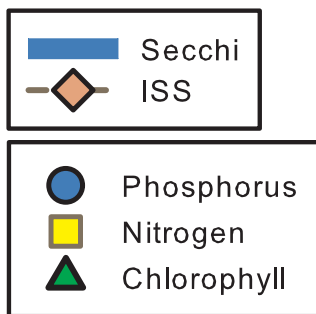
(* Table shows geometric means)

Above: Algal toxin results

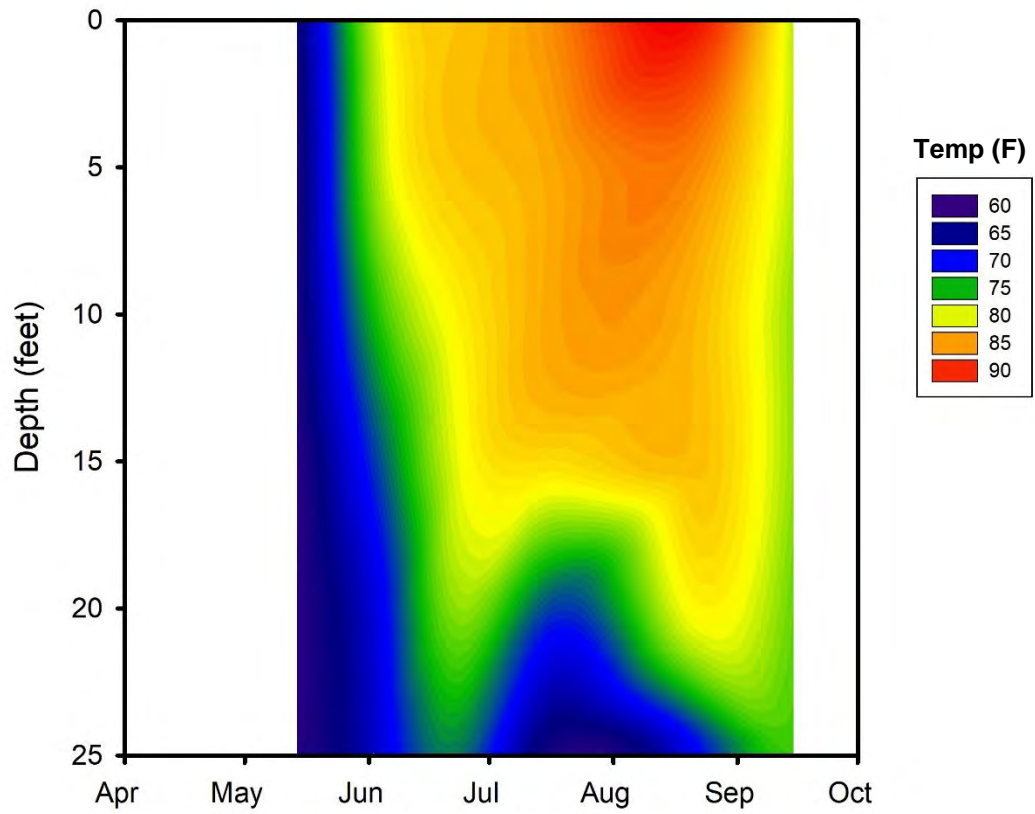
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Stockton 6



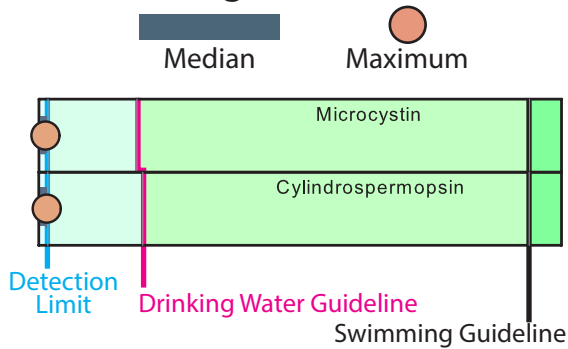
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	4/19	5/10	5/31	6/21	7/13	8/3	8/23	9/15	Mean*
Temp (F)	60	61	74	78	87	84	81	78	75
Secchi (feet)	1.4	1.2	2.3	2.0	0.9	0.8	1.0	0.8	1.2
Phosphorus (µg/L)	37	60	52	72	121	78	112	71	71
Nitrogen (µg/L)	730	995	710	740	730	825	915	643	779
Ammonium (µg/L)		47	<10	13	40	<10	<10	<10	11
Nitrate (µg/L)		689	274	145	<5	<5	<5	<5	22
Chlorophyll (µg/L)	27.0	12.0	30.0	40.0	58.0	80.0	70.0	58.0	40.6
Sediment (mg/L)	11.8	19.8	4.0	7.7	22.2	22.3	21.3	22.7	14.3
Microcystin (µg/L)	0.11	<0.10	<0.10	0.11	<0.10	0.11	0.11	<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

2020 Algal Toxin Results



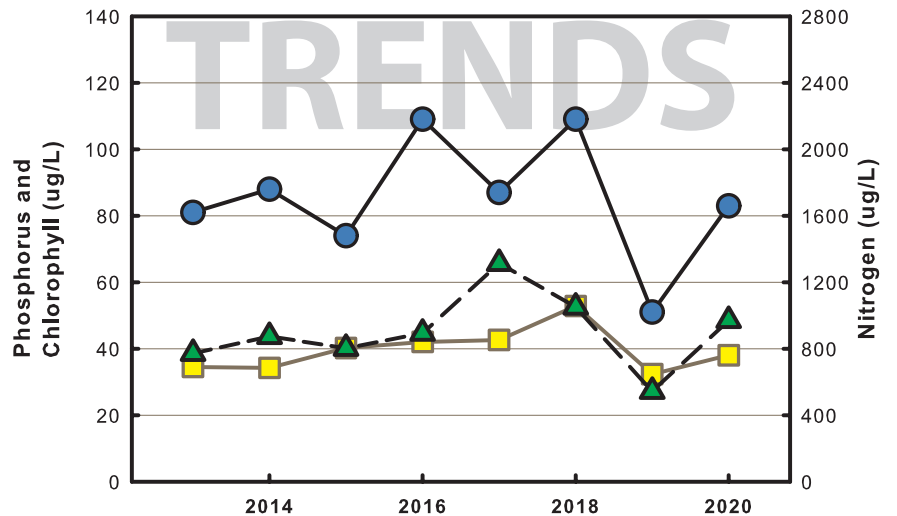
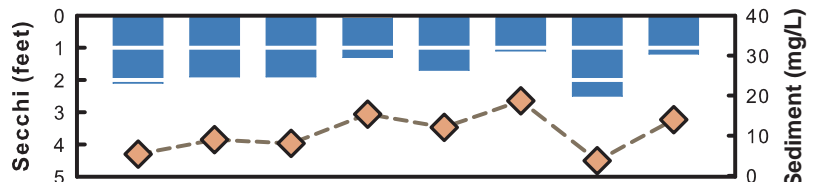
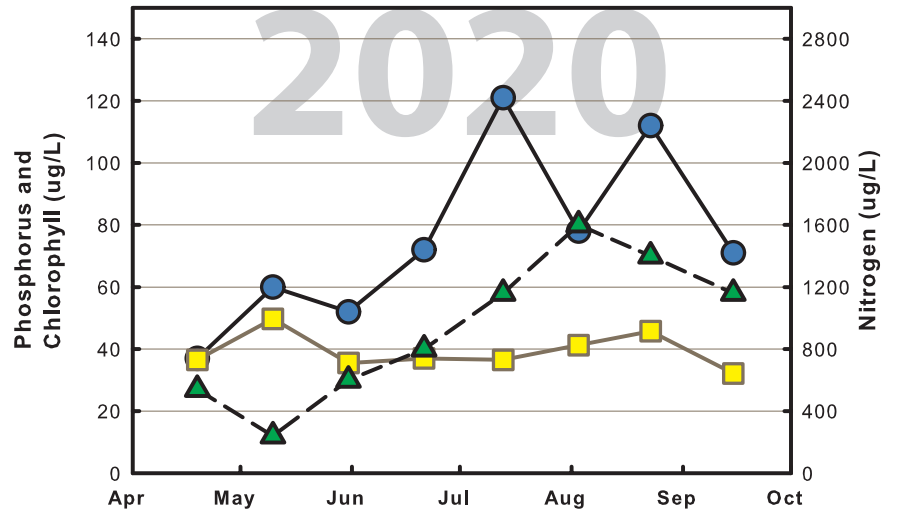
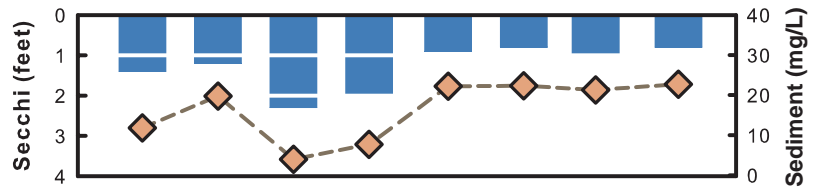
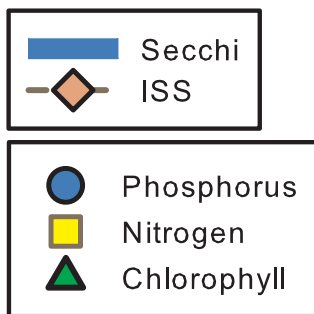
(* Table shows geometric means)

Above: Algal toxin results

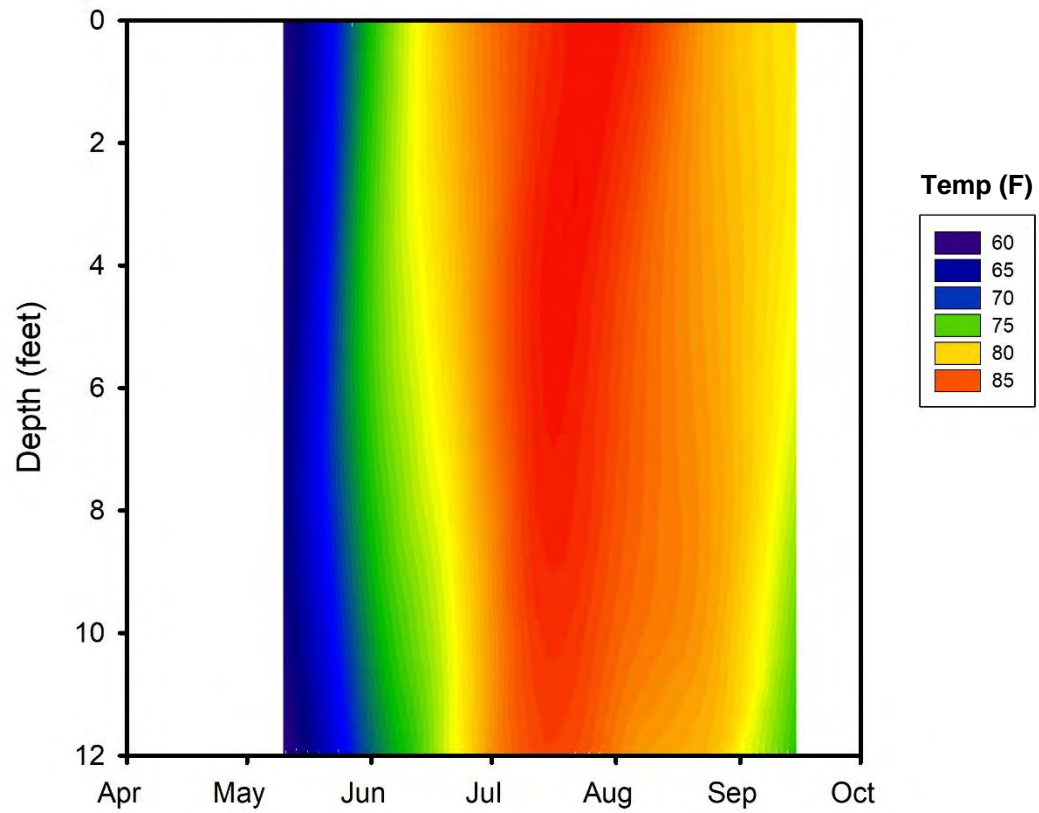
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Stockton 8



To see the surface temperature through the 2020 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 1

2020 Data Table	4/24	5/14	6/8	6/24	7/19	8/6	8/30	9/20	Mean*
Temp (F)	61	68	87	81	83	80	84	73	77
Secchi (feet)	1.9	1.9	2.5	3.4	2.3	2.5	2.2	2.5	2.4
Phosphorus (µg/L)	77	63	56	42	42	33	43	46	49
Nitrogen (µg/L)	923	1160	1005	830	595	555	760	655	787
Ammonium (µg/L)		82							82
Nitrate (µg/L)		483							483
Chlorophyll (µg/L)	17.0	5.0	20.0	17.0	21.0	18.0	29.0	29.0	17.6
Sediment (mg/L)	9.4	8.0	5.9	3.2	3.7	4.6	3.8	2.6	4.7
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

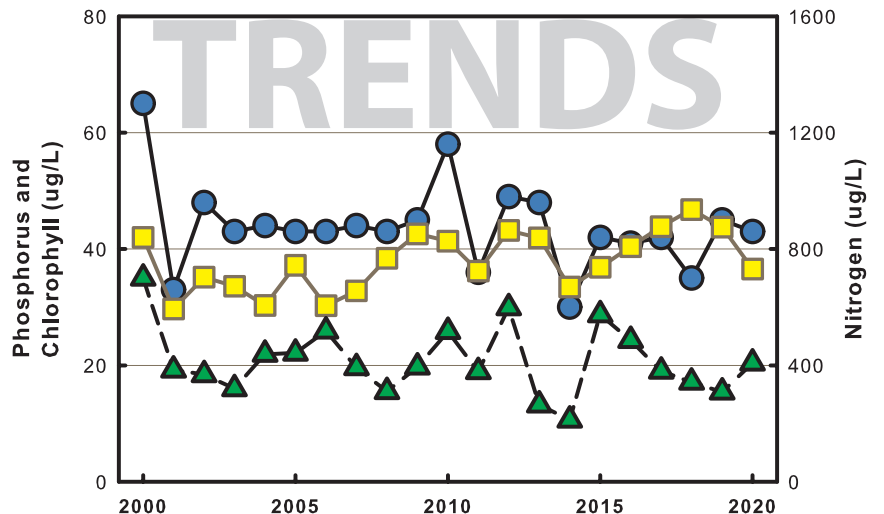
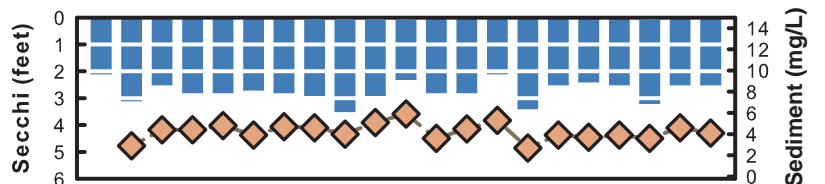
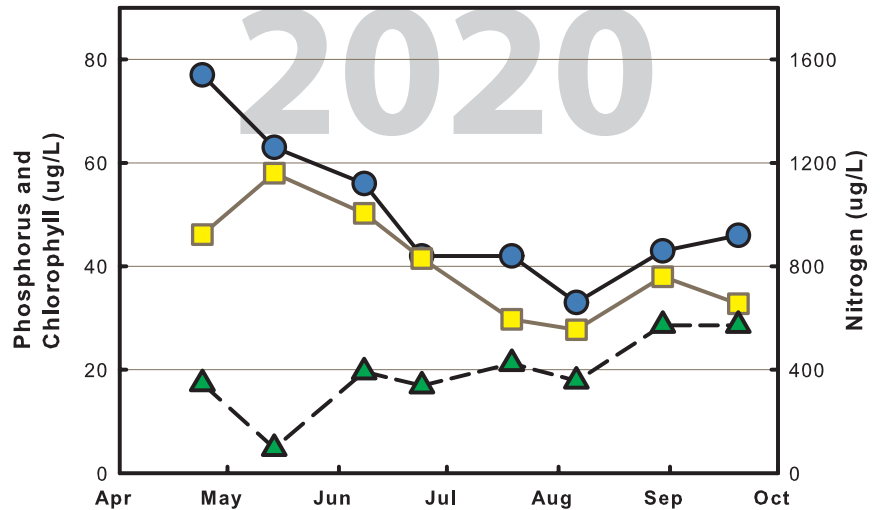
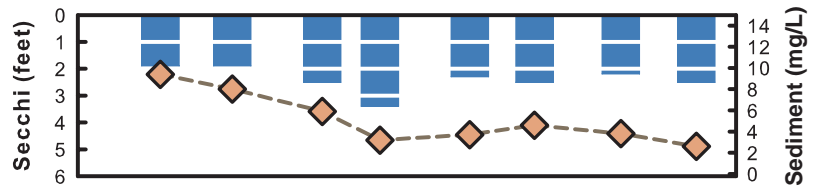
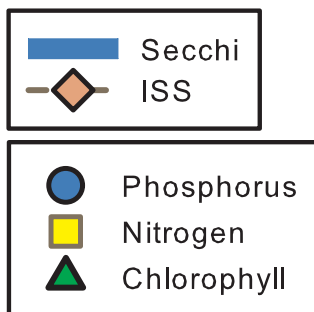
(* Table shows geometric means)

Above: Algal toxin results

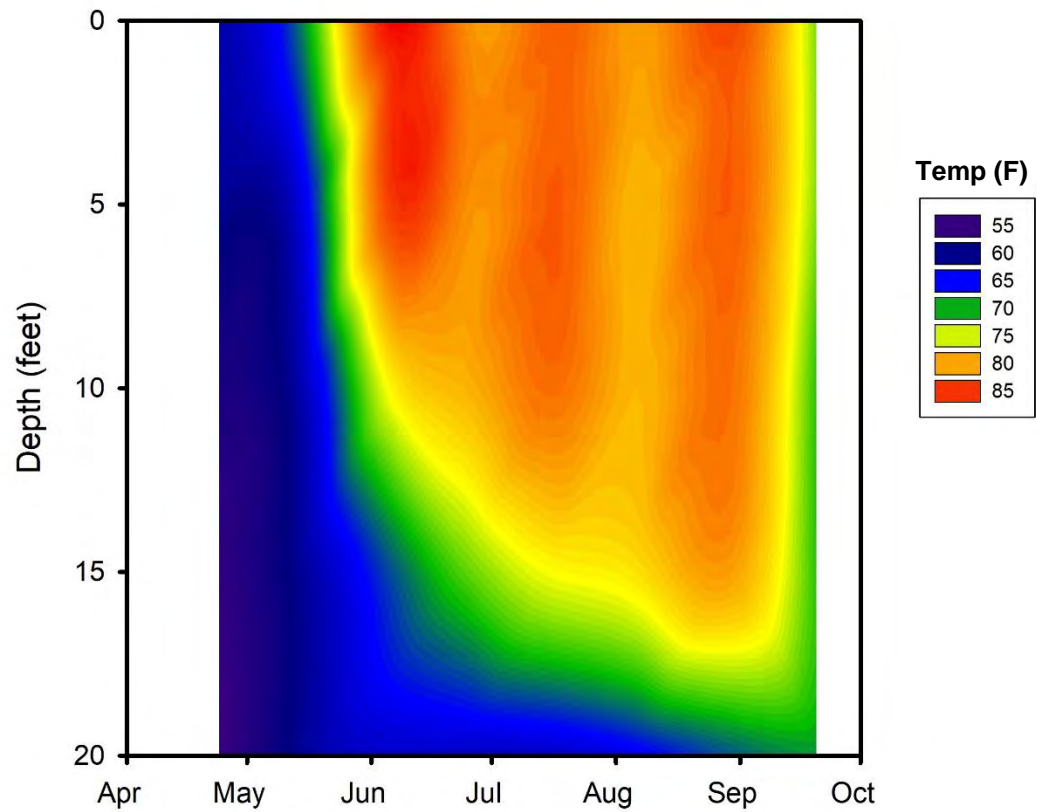
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Sugar Creek 1



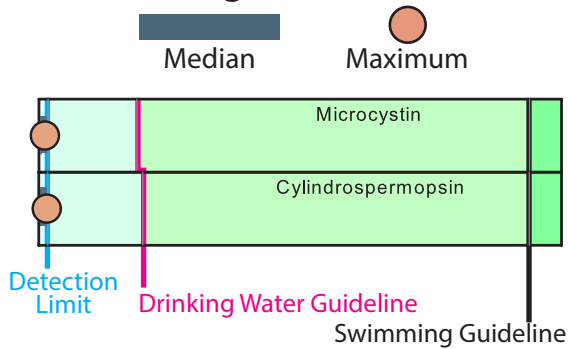
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 2

2020 Data Table	4/24	5/14	6/8	6/24	7/19	8/6	8/30	9/20	Mean*
Temp (F)	60	68	83	79	85	80	81	72	76
Secchi (feet)	1.8	1.5	2.1	3.0	2.5	2.8	1.7	2.3	2.2
Phosphorus (µg/L)	62	74	56	48	43	42	53	54	53
Nitrogen (µg/L)	810	1060	1175	815	695	650	705	690	807
Ammonium (µg/L)			15	<10	<10	40	<10	<10	<10
Nitrate (µg/L)			407	183	<5	<5	<5	<5	13
Chlorophyll (µg/L)	22.0	6.0	13.0	23.0	23.0	20.0	28.0	33.0	19.0
Sediment (mg/L)	9.2	11.5	6.6	4.2	3.4	5.2	5.7	5.2	5.9
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

2020 Algal Toxin Results



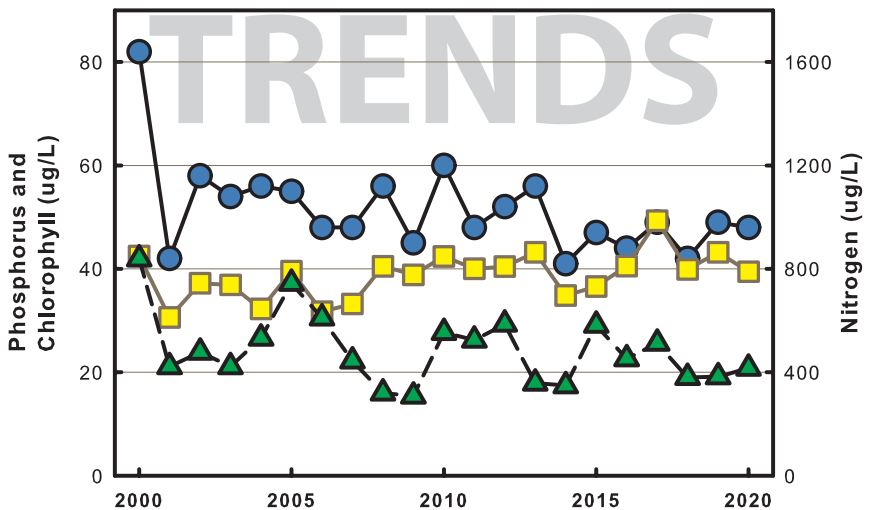
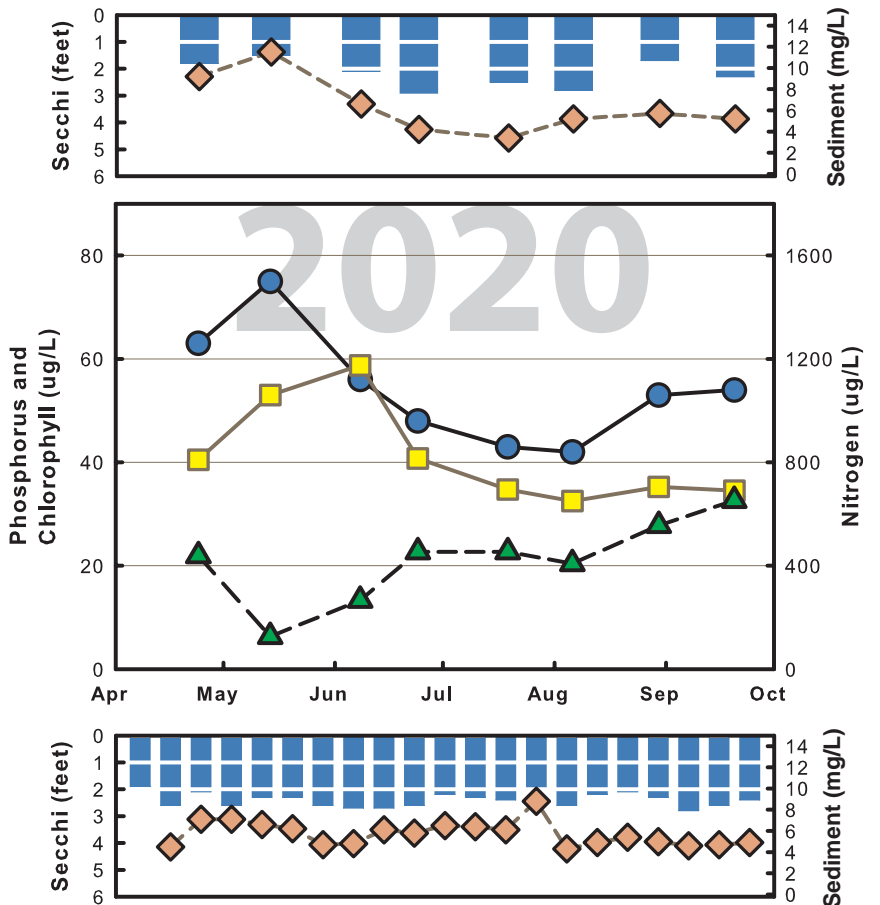
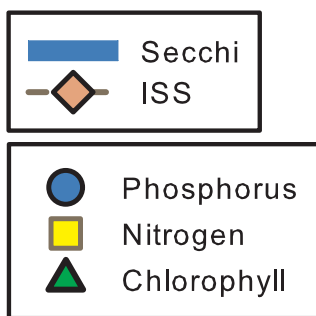
(* Table shows geometric means)

Above: Algal toxin results

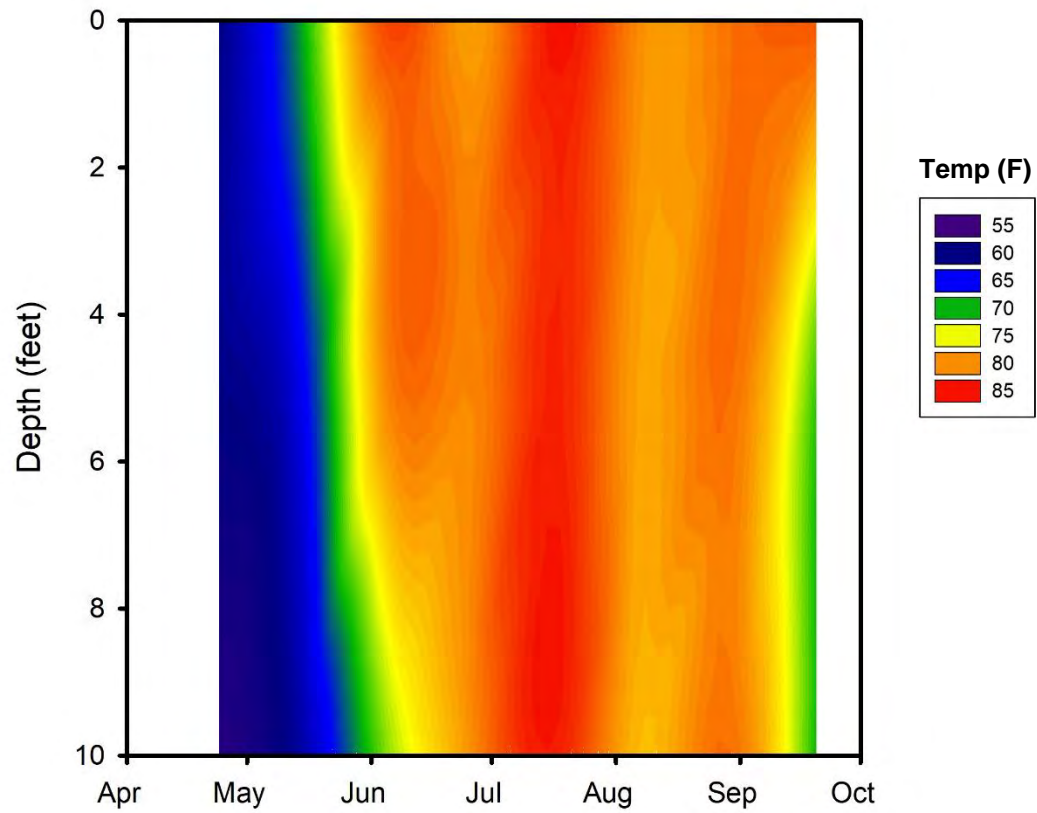
Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Sugar Creek 2



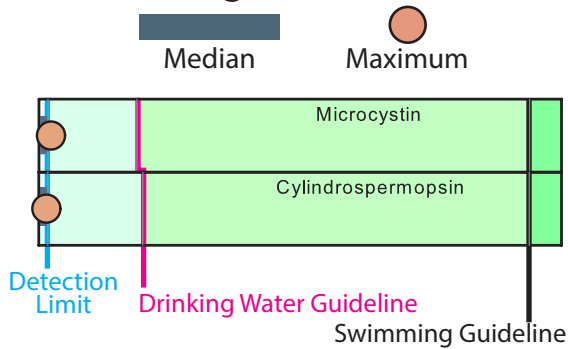
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	5/11	7/18	8/3	8/24	9/14	Mean*
Temp (F)	62	84	82	83	78	77
Secchi (feet)	2.7	4.3	7.8	6.3	5.9	5.1
Phosphorus (µg/L)	2	5	5	5	5	4
Nitrogen (µg/L)	1000	610	510	330	290	495
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	2.0	10.0	9.0	10.0	13.0	7.5
Sediment (mg/L)						
Microcystin (µg/L)	<0.10	0.11	0.20	0.15	<0.10	0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

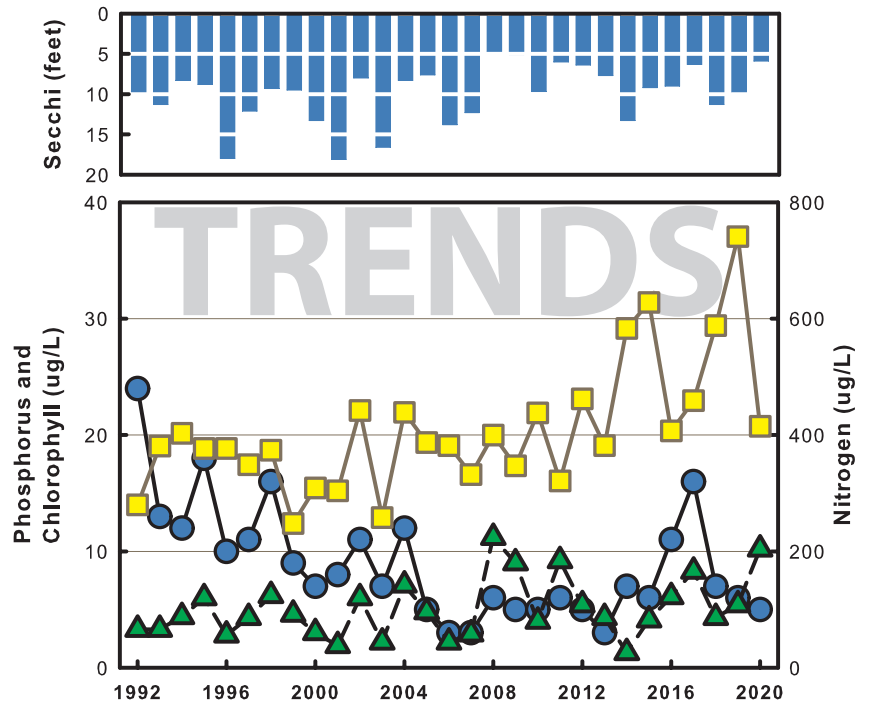
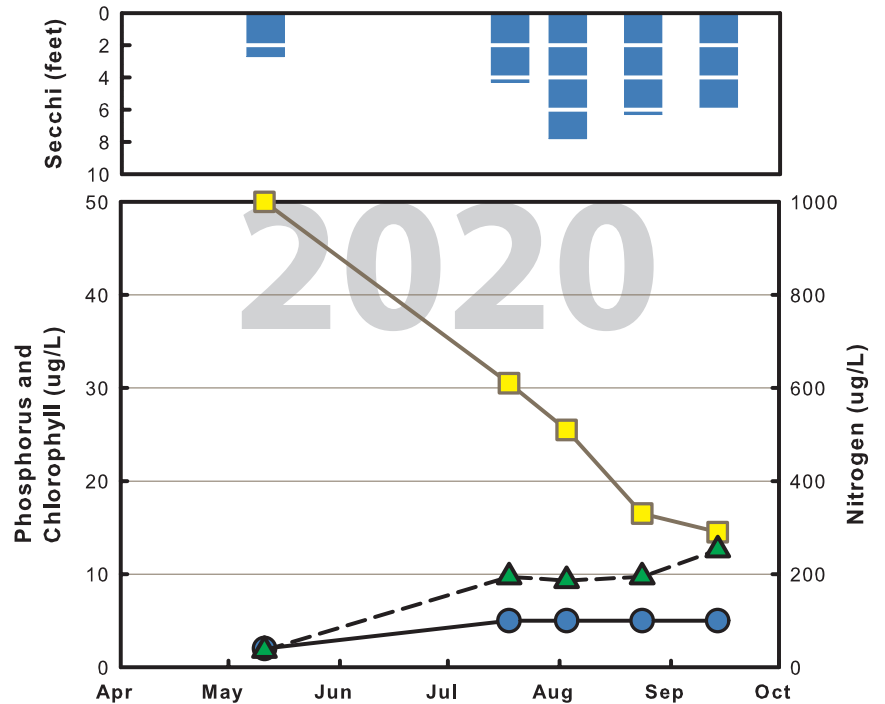
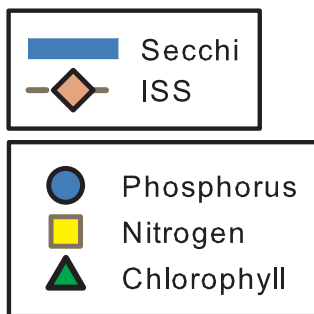
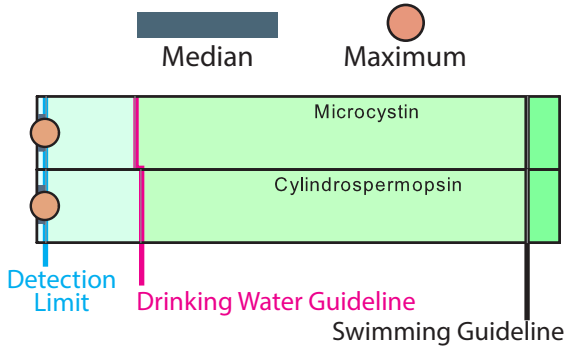


Table Rock Site 10

2020 Data Table	6/2	6/23	7/13	8/3	8/24	9/13	Mean*
Temp (F)		79	80	80	82	76	79
Secchi (feet)	3.7	5.0	5.8	5.3	6.3	6.2	5.3
Phosphorus (µg/L)		16	10	10	8	8	10
Nitrogen (µg/L)		610	220	280	185	170	260
Ammonium (µg/L)							
Nitrate (µg/L)							
Chlorophyll (µg/L)	1.0	7.0	8.0	9.0	5.0	10.0	5.4
Sediment (mg/L)							
Microcystin (µg/L)	<0.10		0.13	0.11	0.11	<0.10	<0.10
Cylindro (µg/L)	<0.04		<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

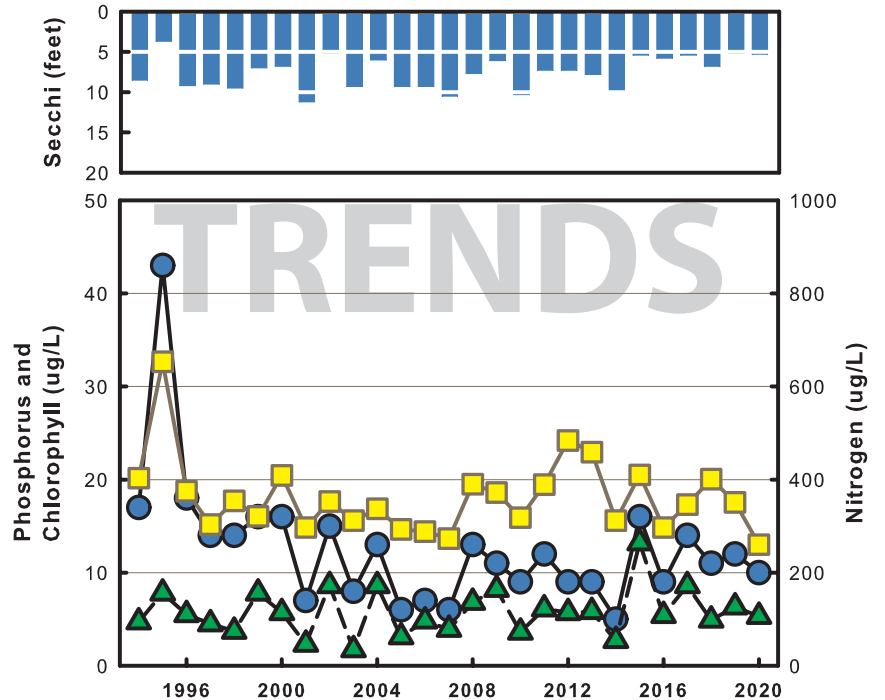
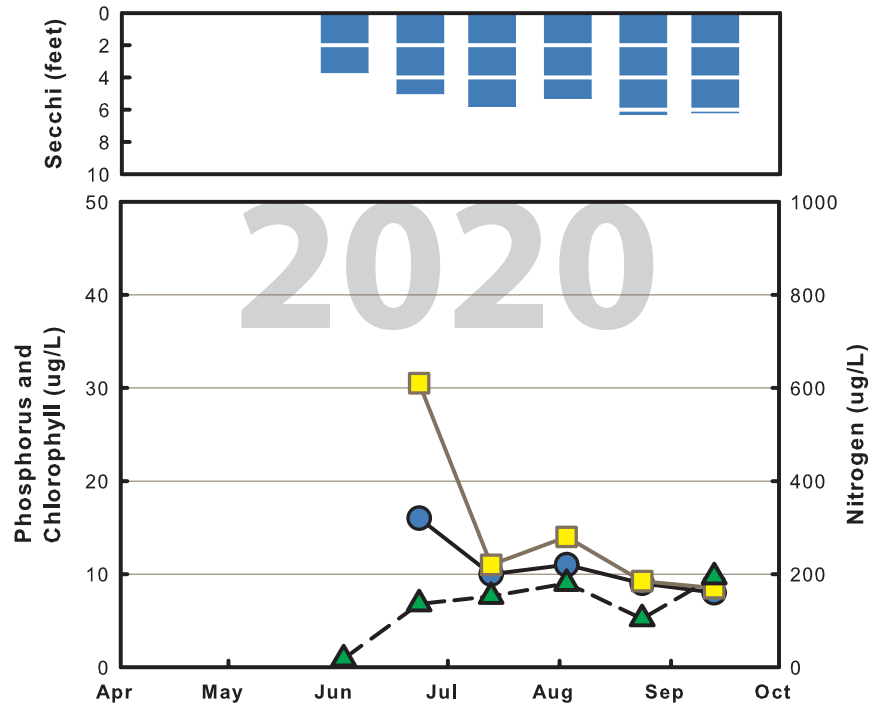
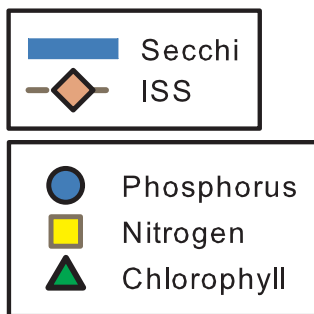
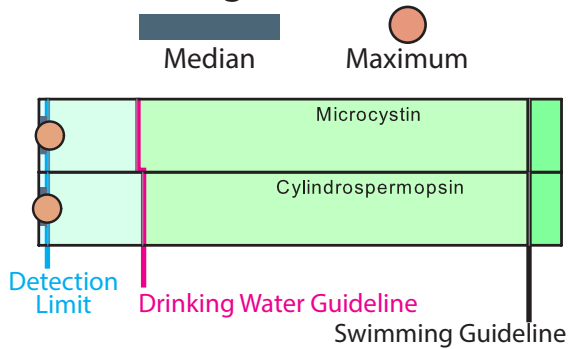


Table Rock Site 11

2020 Data Table	4/21	5/13	6/22	7/12	8/2	8/23	9/16	Mean*
Temp (F)	63	60	84	87	85	86	82	77
Secchi (feet)	4.3	3.2	4.3	4.0	2.8	3.7	3.8	3.7
Phosphorus (µg/L)	32	27	39	34	40	25	41	33
Nitrogen (µg/L)	1930	1565	835	555	715	410	630	824
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	21.0	9.0	22.0	18.0	37.0	14.0	37.0	20.3
Sediment (mg/L)								
Microcystin (µg/L)	0.11	0.11	0.18	0.14	<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

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

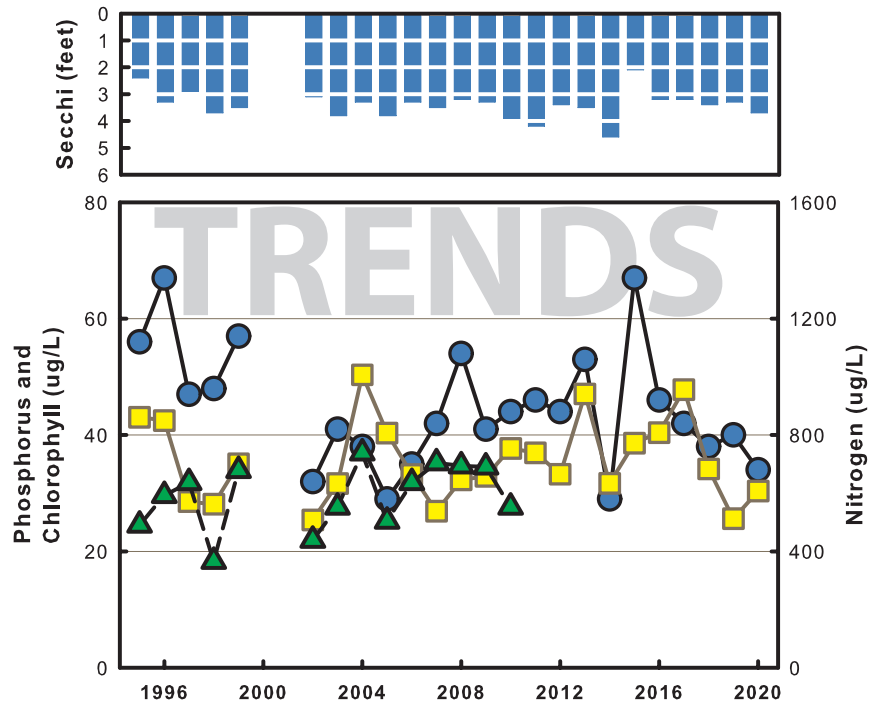
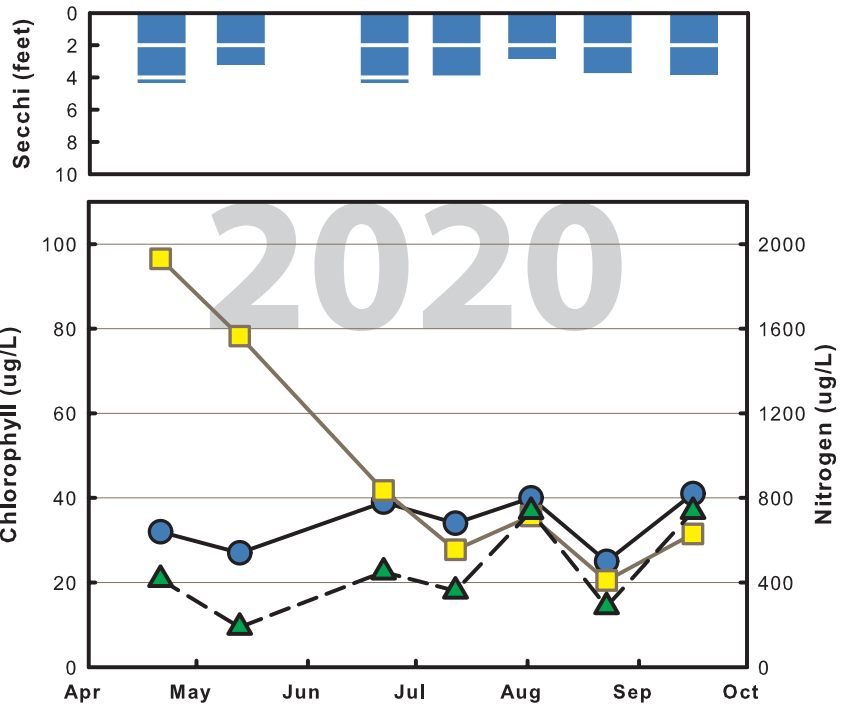
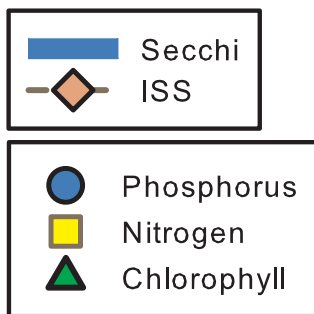
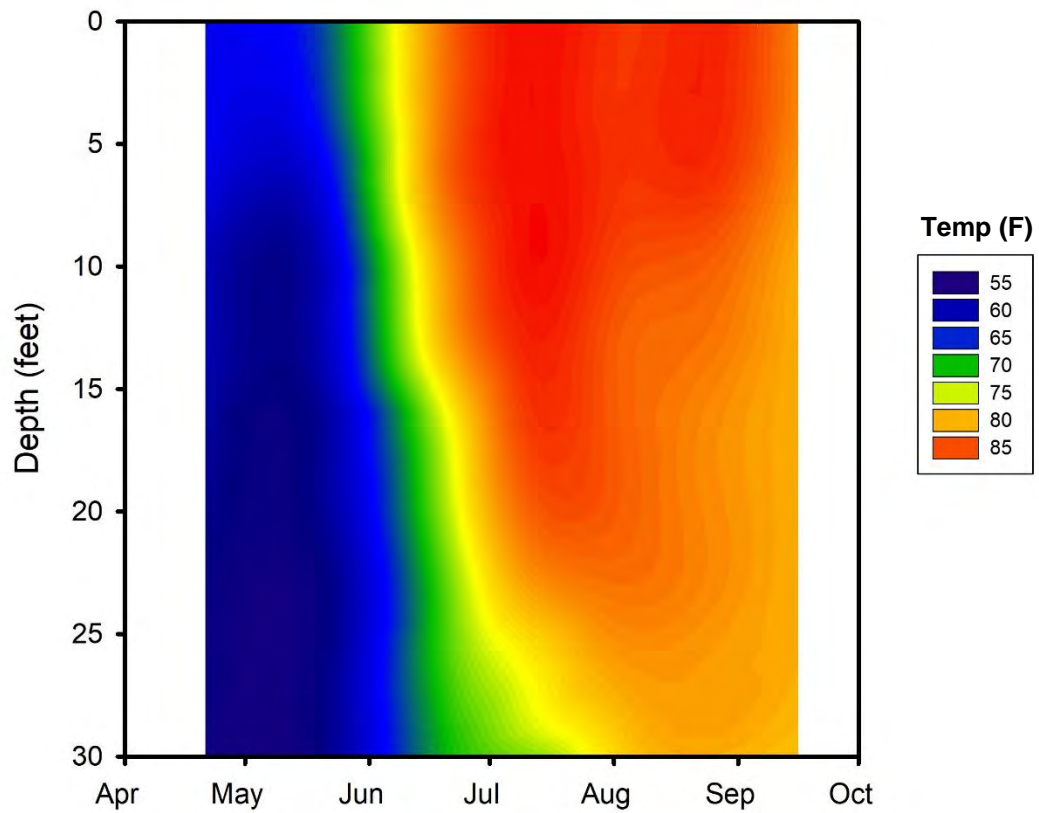


Table Rock 11



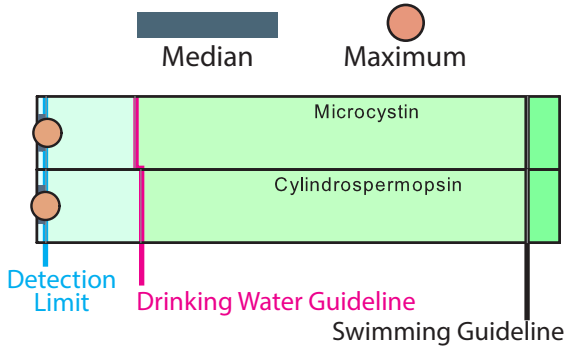
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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Table Rock Site 12

2020 Data Table	4/21	5/13	6/22	7/12	8/2	8/23	9/16	Mean*
Temp (F)	65	58	84	88	85	87	83	78
Secchi (feet)	2.9	2.9	5.4	4.3	2.1	2.9	2.3	3.1
Phosphorus (µg/L)	19	29	36	39	73	48	65	40
Nitrogen (µg/L)	1695	1430	1140	830	735	635	785	975
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	2.0	3.0	17.0	23.0	67.0	25.0	41.0	14.9
Sediment (mg/L)								
Microcystin (µg/L)	0.14	0.17	0.15	<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

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

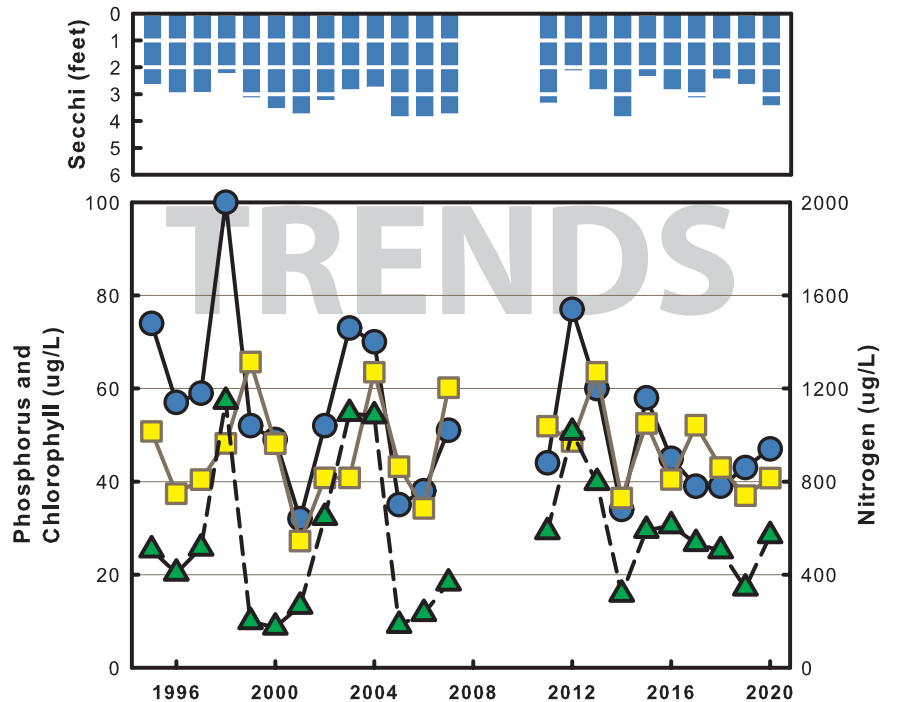
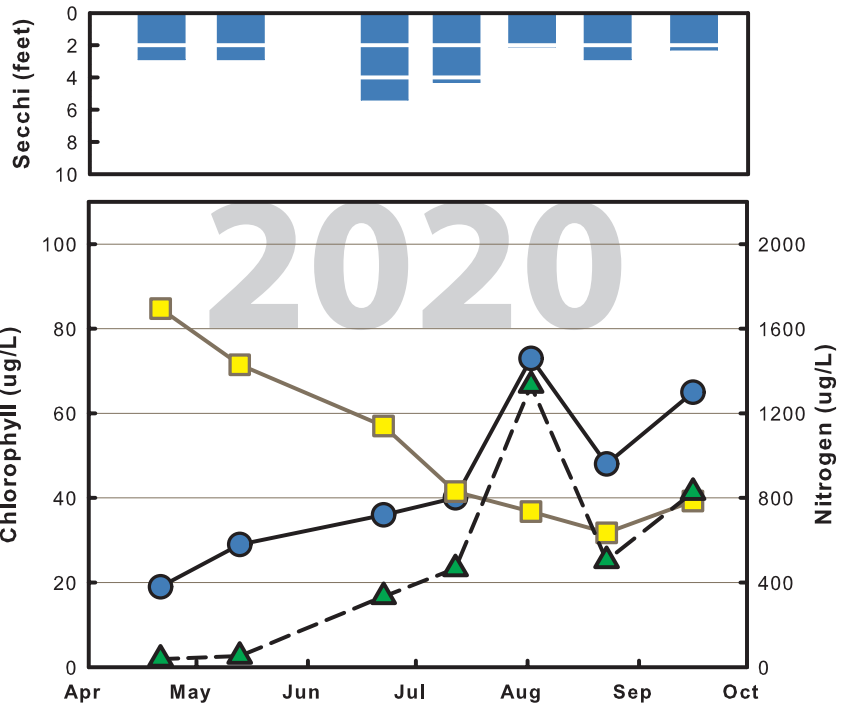
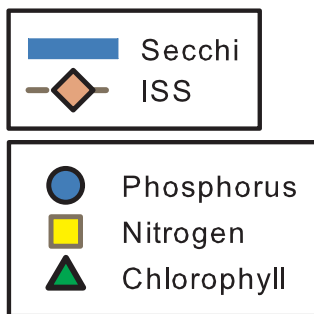
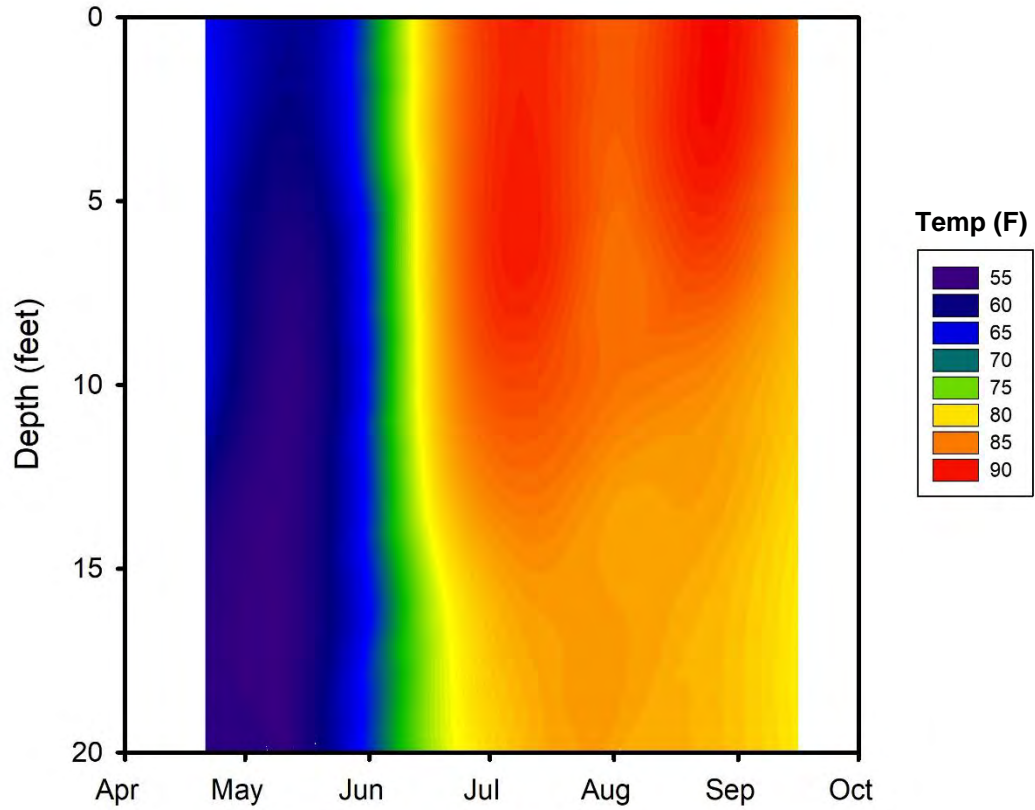


Table Rock 12



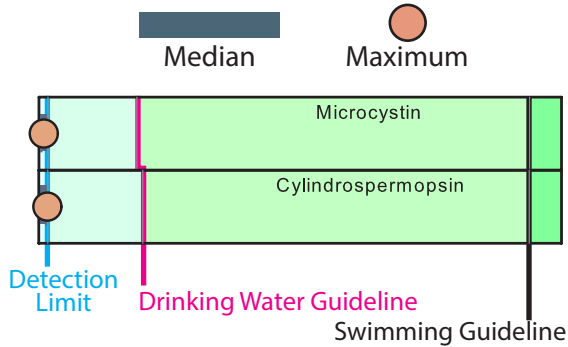
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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

2020 Data Table	4/21	5/13	6/22	7/12	8/2	8/23	9/16	Mean*
Temp (F)	65	57	83	87	85	87	83	77
Secchi (feet)	3.0	2.7	5.8	3.7	2.3	2.7	3.0	3.2
Phosphorus (µg/L)	26	42	56	56	62	44	39	45
Nitrogen (µg/L)	1865	1763	1170	740	855	555	815	1014
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	13.0	5.0	17.0	25.0	65.0	29.0	36.0	21.1
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

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

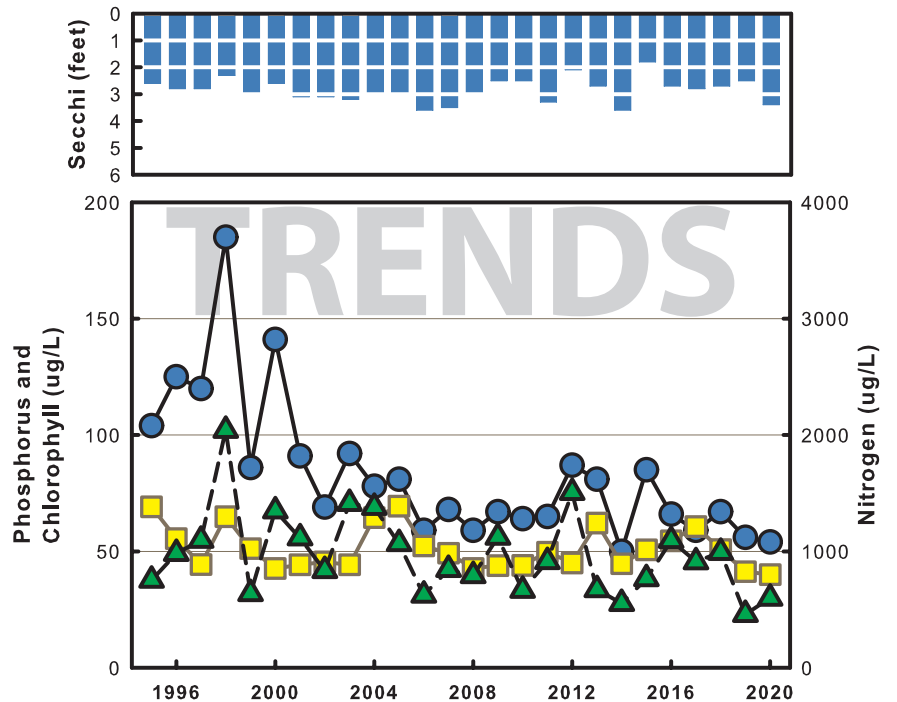
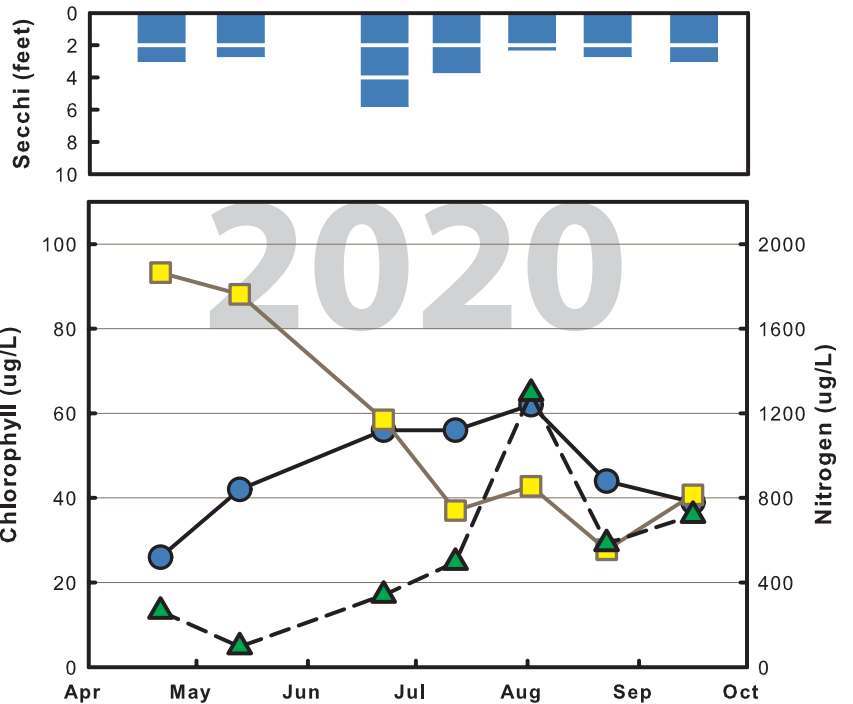
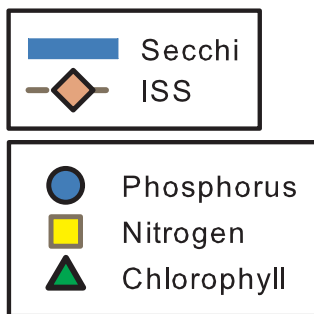
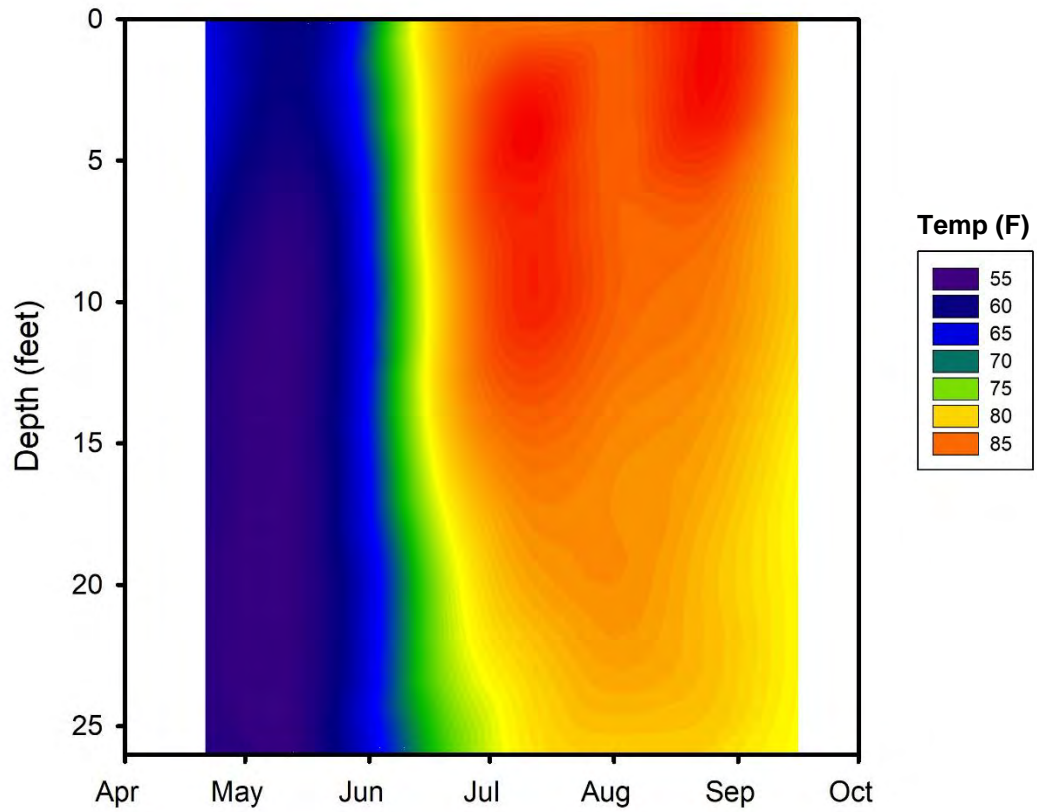


Table Rock 13



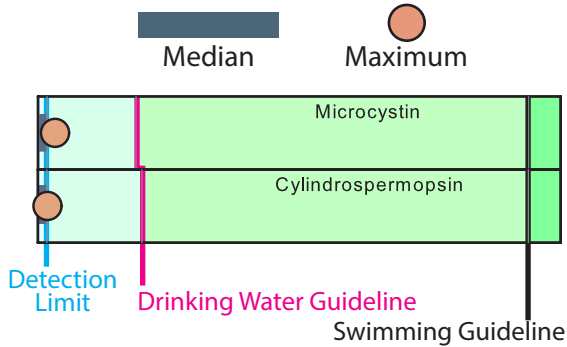
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 14

2020 Data Table	6/1	6/22	7/14	8/3	8/25	9/15	Mean*
Temp (F)	74	79	83	81	84	79	80
Secchi (feet)	8.7	7.3	6.3	5.6	6.1	6.5	6.7
Phosphorus (µg/L)	8	11	10	12	10	10	10
Nitrogen (µg/L)	680	580	505	435	340	280	449
Ammonium (µg/L)	14	<10	<10	<10	<10	<10	<10
Nitrate (µg/L)	509	345	218	58	<5	<5	52
Chlorophyll (µg/L)	4.0	12.0	10.0	21.0	6.0	9.0	9.0
Sediment (mg/L)							
Microcystin (µg/L)	<0.10	0.16	0.28		0.11	<0.10	0.10
Cylindro (µg/L)	0.07	<0.04	<0.04		<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

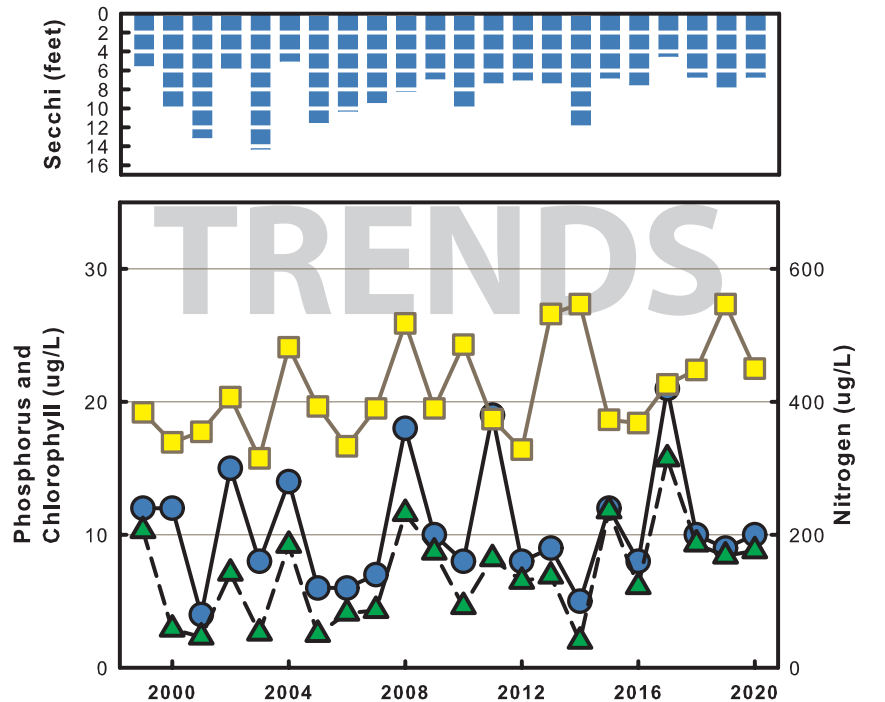
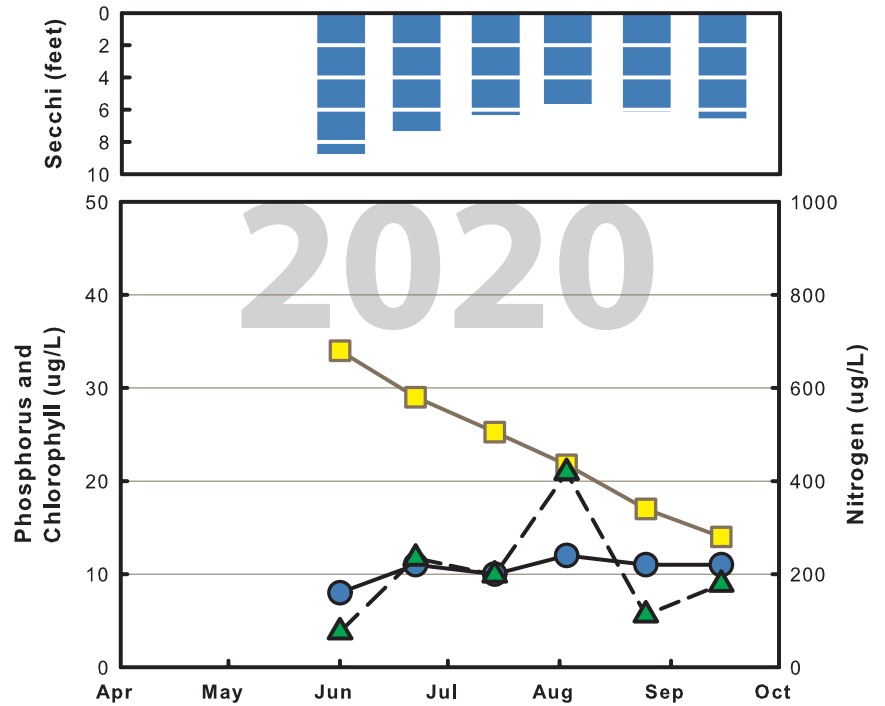
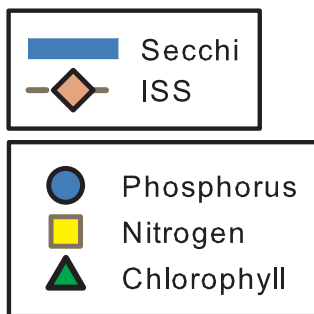
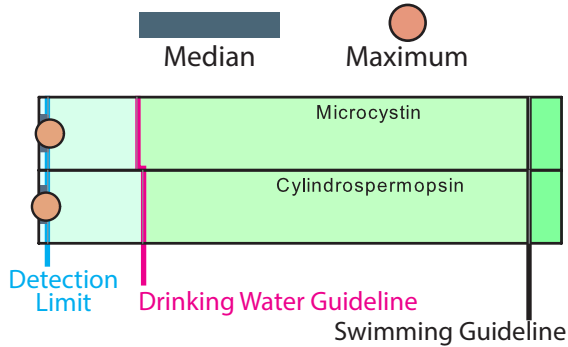


Table Rock Site 15

2020 Data Table	6/2	7/5	8/9	Mean*
Temp (F)				
Secchi (feet)				
Phosphorus (µg/L)	7	9	9	8
Nitrogen (µg/L)	370	310	190	279
Ammonium (µg/L)				
Nitrate (µg/L)				
Chlorophyll (µg/L)	1.0	4.0	8.0	3.2
Sediment (mg/L)				
Microcystin (µg/L)	<0.10	0.16	0.18	0.11
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

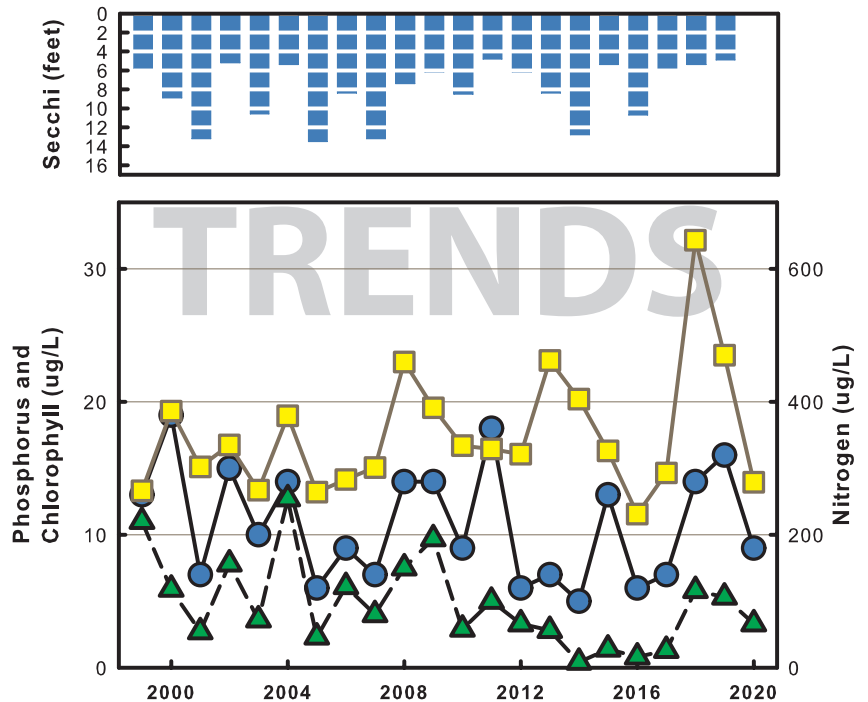
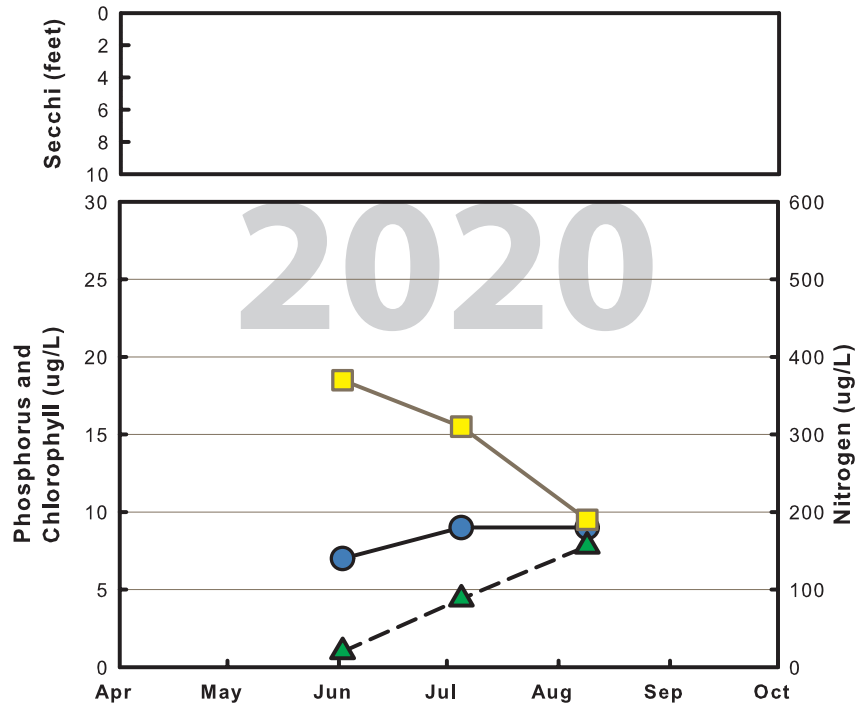
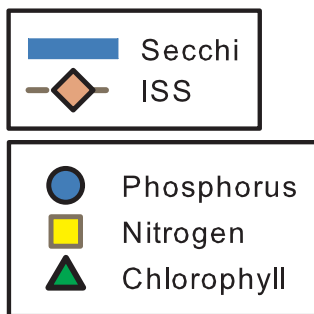
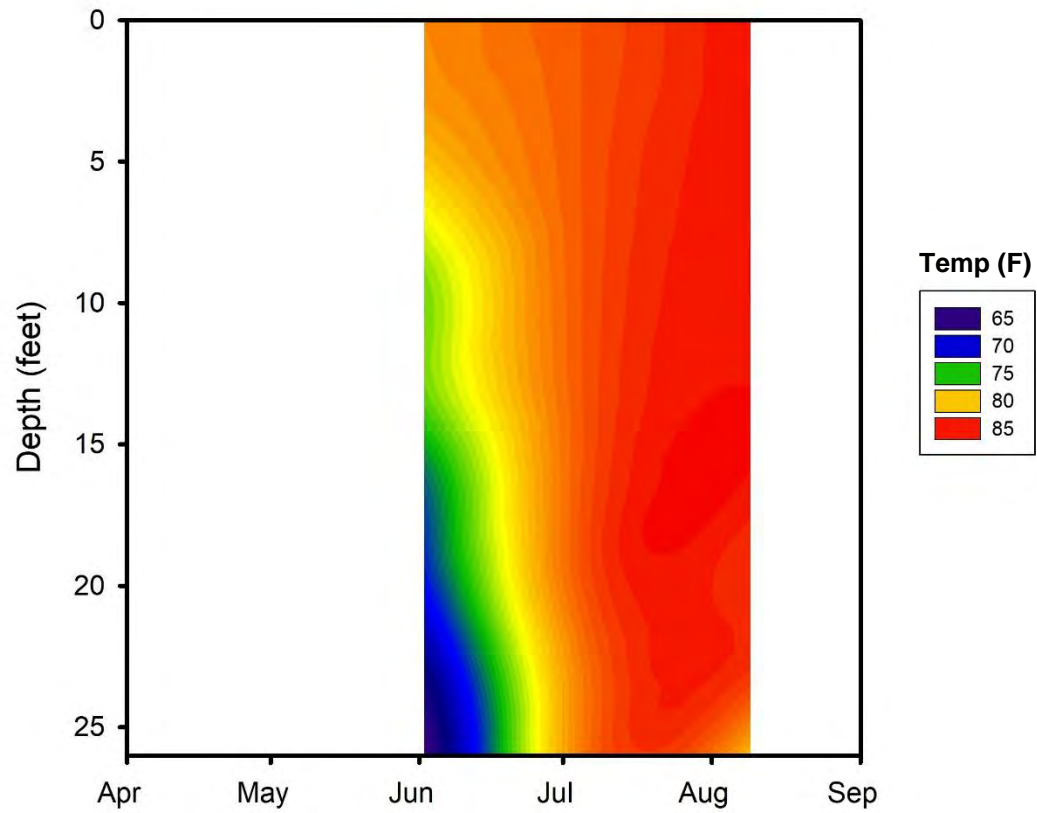


Table Rock 15



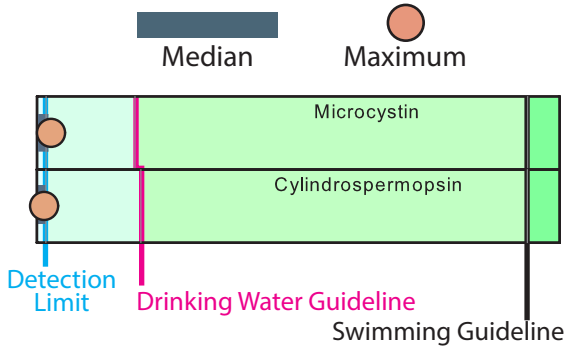
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 17

2020 Data Table	6/2	7/5	8/9	Mean*
Temp (F)				
Secchi (feet)		7.3	4.7	5.9
Phosphorus (µg/L)	5	9	8	7
Nitrogen (µg/L)	525	515	235	399
Ammonium (µg/L)				
Nitrate (µg/L)				
Chlorophyll (µg/L)	<0.3	3.0	8.0	1.7
Sediment (mg/L)				
Microcystin (µg/L)	<0.10	0.18	0.23	0.13
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

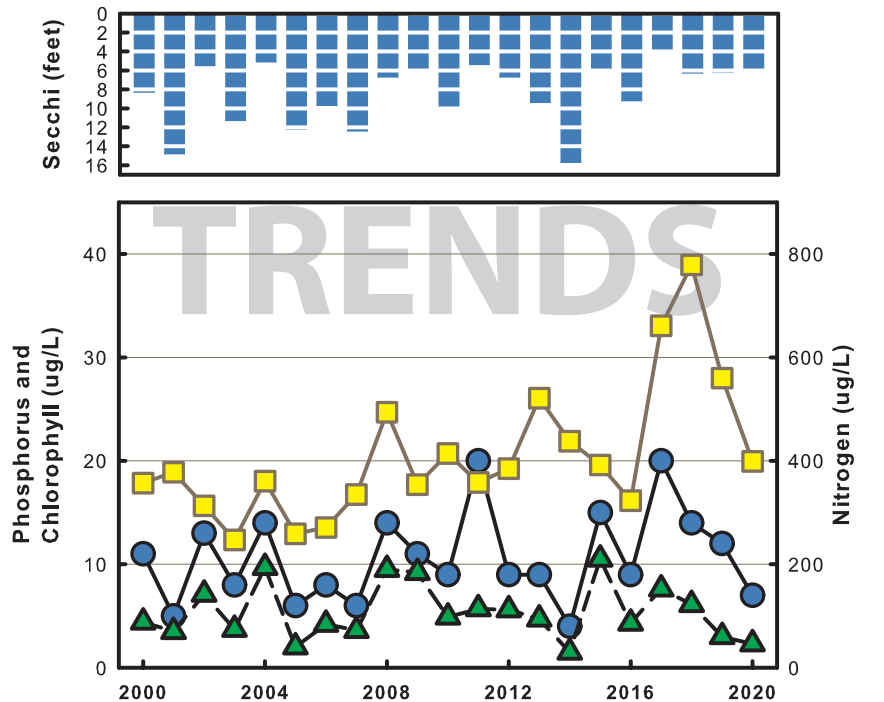
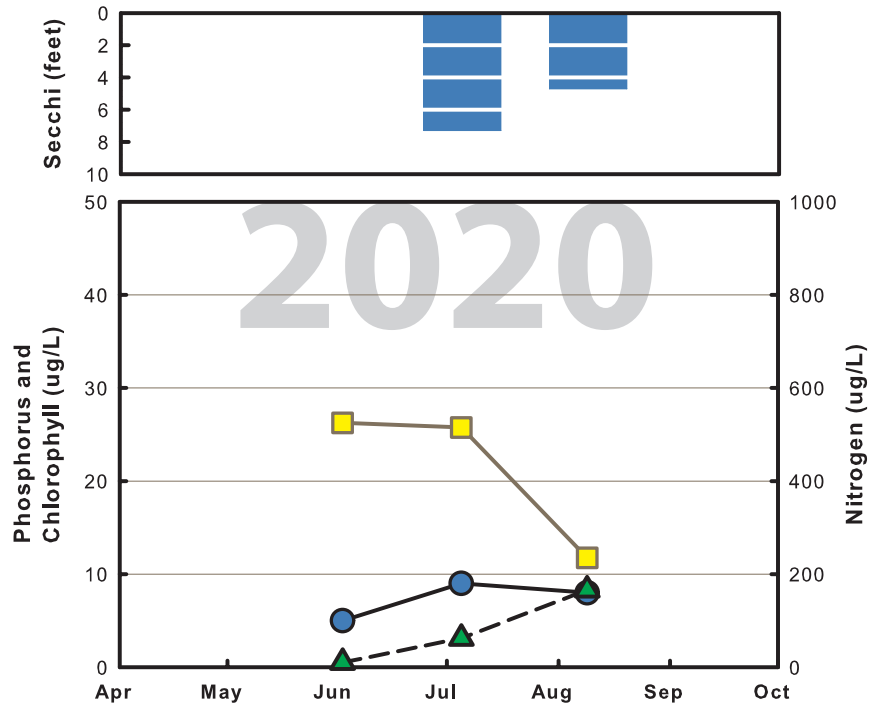
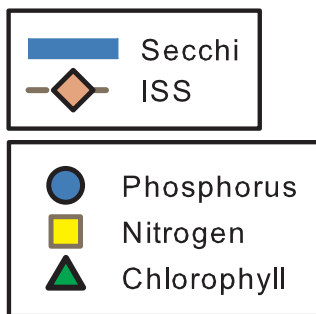
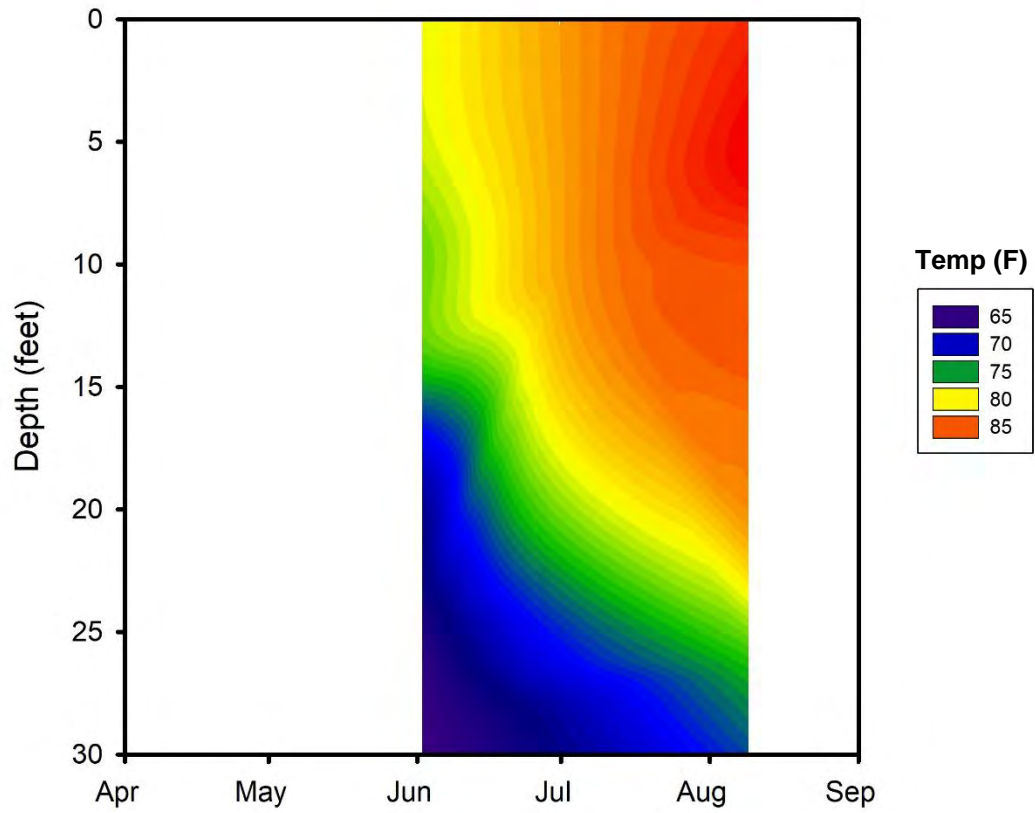


Table Rock 17



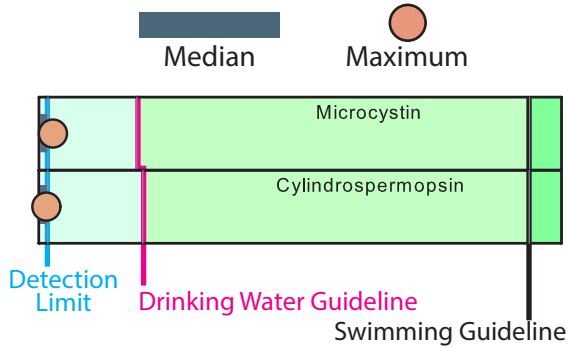
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 18

2020 Data Table	6/2	6/23	7/13	8/3	8/24	9/13	Mean*
Temp (F)		79	81	80	82	78	80
Secchi (feet)	6.3	6.8	7.4	6.6	6.3	6.3	6.6
Phosphorus (µg/L)	8	7	11	8	7	8	8
Nitrogen (µg/L)	395	270	235	240	230	175	250
Ammonium (µg/L)							
Nitrate (µg/L)							
Chlorophyll (µg/L)	1.0	6.0	6.0	5.0	4.0	8.0	4.2
Sediment (mg/L)							
Microcystin (µg/L)	<0.10		0.23	0.13	0.12	0.16	0.12
Cylindro (µg/L)	<0.04		<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

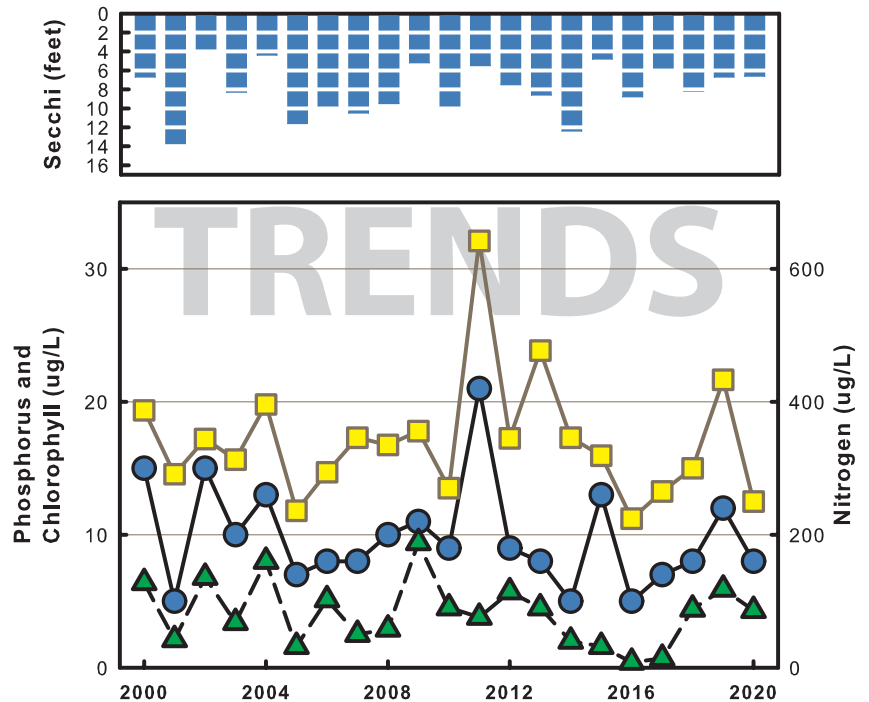
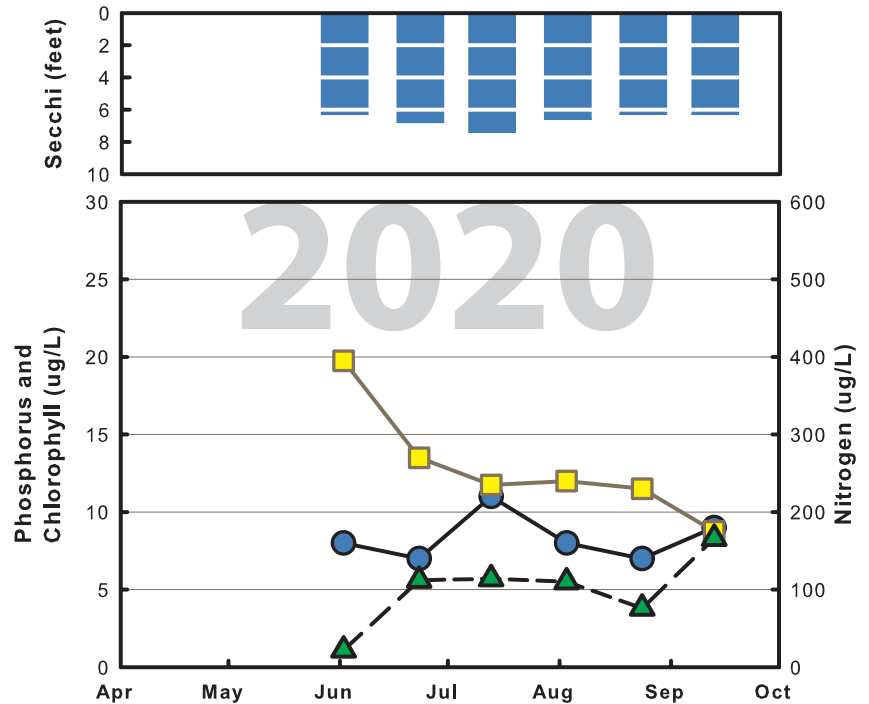
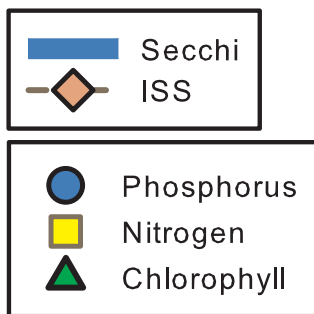


Table Rock Site 2

2020 Data Table	7/13	7/20	7/27	8/2	8/15	9/5	9/17	Mean*
Temp (F)	82	88	88	83	82	79	79	83
Secchi (feet)	6.8	5.7	6.3	4.8	6.0		6.1	5.9
Phosphorus (µg/L)	8	7	9	9	6	9	8	8
Nitrogen (µg/L)	550	495	470	450	335	315	270	400
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	7.0	8.0	10.0	17.0	7.0	12.0	8.0	9.4
Sediment (mg/L)								
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

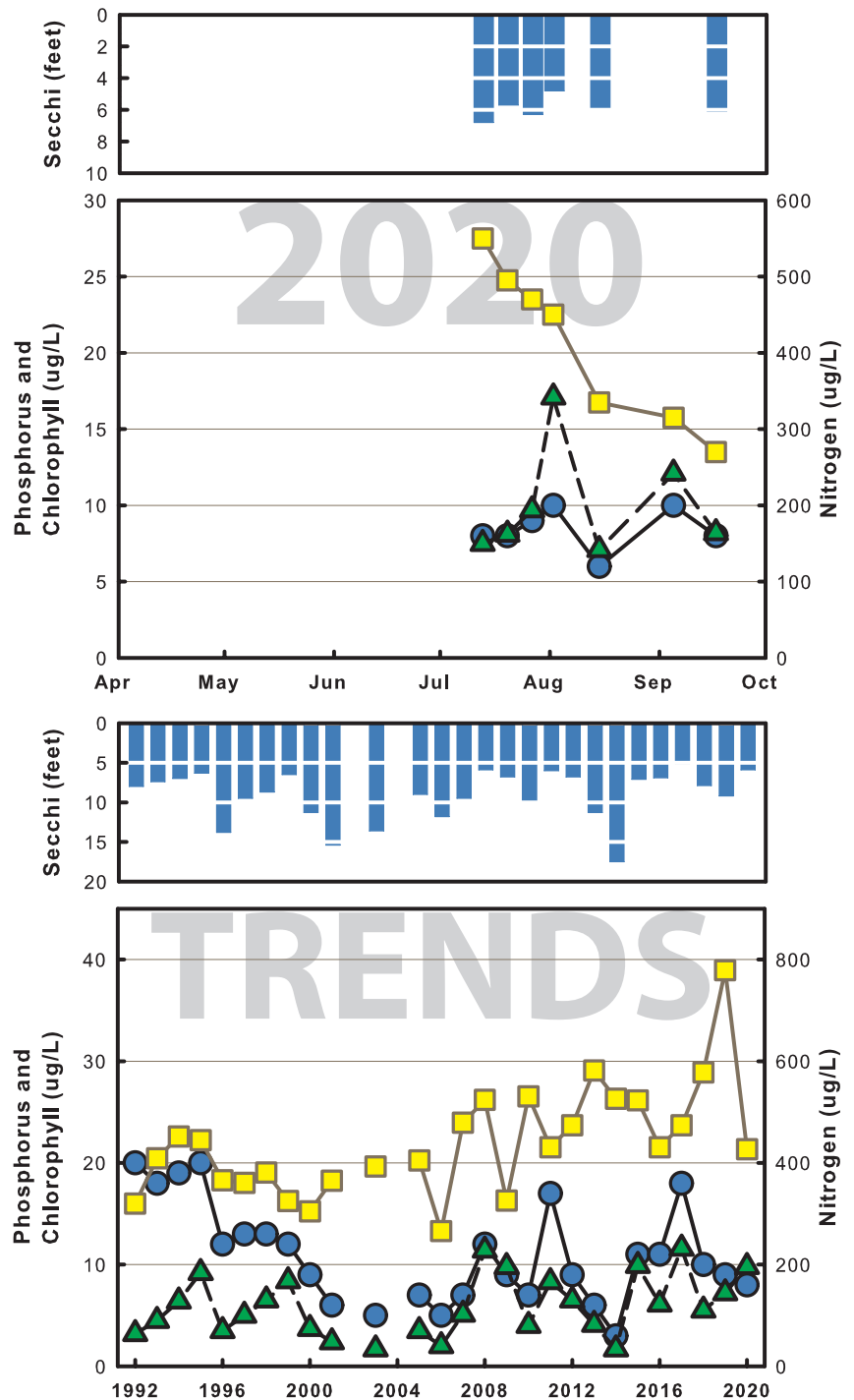
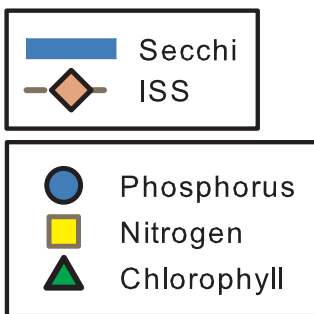
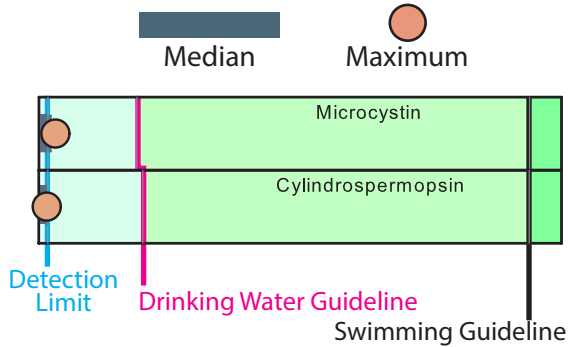


Table Rock Site 4

2020 Data Table	6/11	6/12	6/13	6/23	7/14	8/2	8/23	9/15	Mean*
Temp (F)	84	80	78	84	86	84	84	79	82
Secchi (feet)	4.7	3.9	4.5	4.9	3.9	4.3	4.7	4.8	4.4
Phosphorus (µg/L)	16	16	14	15	37	15	6	15	15
Nitrogen (µg/L)	765	750	745	575	380	330	415	265	491
Ammonium (µg/L)	34	93	34	<10	<10	<10	37	18	18
Nitrate (µg/L)	383	474	461	229	13	<5	<5	<5	40
Chlorophyll (µg/L)	11.0	9.0	10.0	12.0	16.0	17.0	9.0	13.0	11.8
Sediment (mg/L)									
Microcystin (µg/L)	0.23		0.20	0.20	0.27	0.19	0.11	<0.10	0.16
Cylindro (µg/L)	<0.04		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

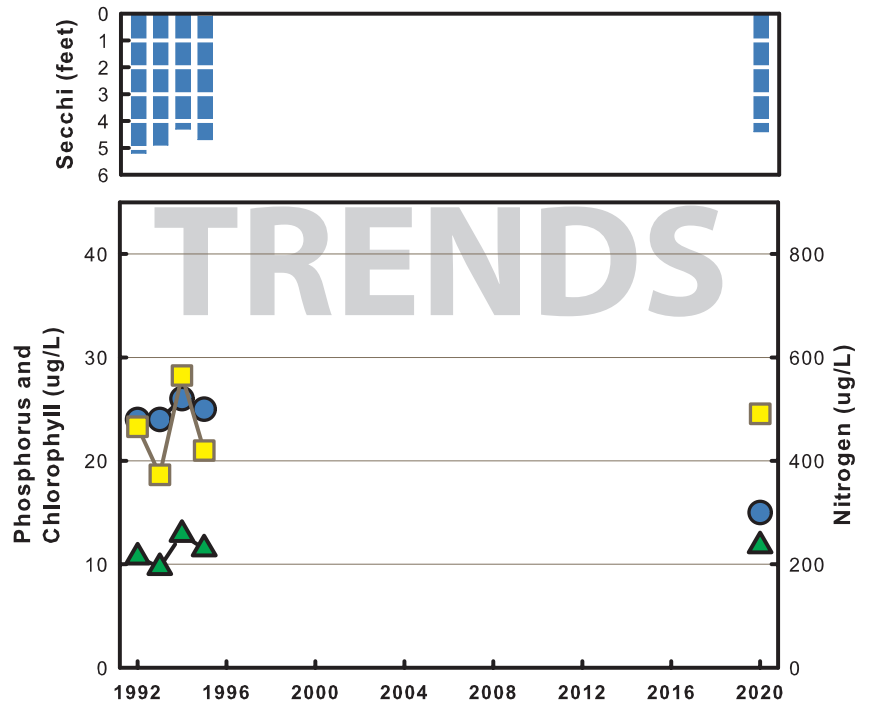
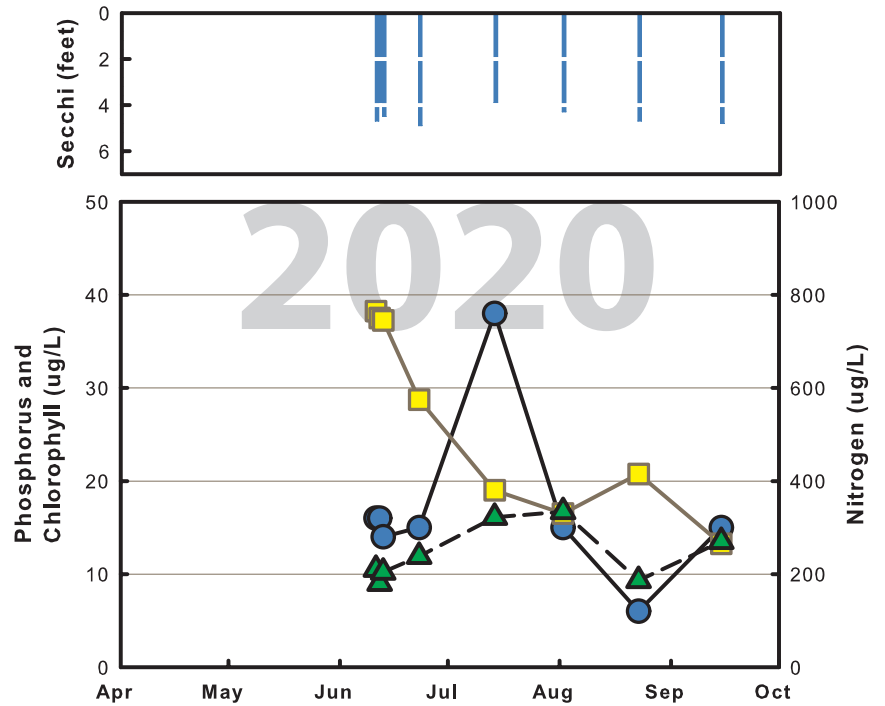
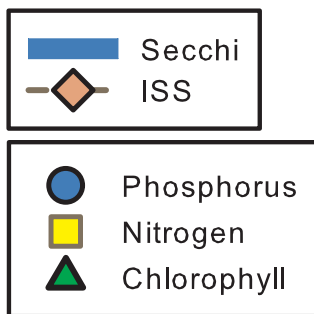


Table Rock Site 4.5

2020 Data Table	4/21	5/11	6/23	7/14	8/4	8/25	9/15	Mean*
Temp (F)	61	64	83	84	83	85	81	77
Secchi (feet)	6.0	6.3	5.0	5.5	5.7	6.0	6.5	5.8
Phosphorus (µg/L)	33	18	19	12	13	10	9	15
Nitrogen (µg/L)	1535	1440	620	440	350	270	260	548
Ammonium (µg/L)								
Nitrate (µg/L)								
Chlorophyll (µg/L)	17.0	13.0	17.0	13.0	13.0	8.0	10.0	12.6
Sediment (mg/L)								
Microcystin (µg/L)								
Cylindro (µg/L)								

No 2020 Toxin Data

(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

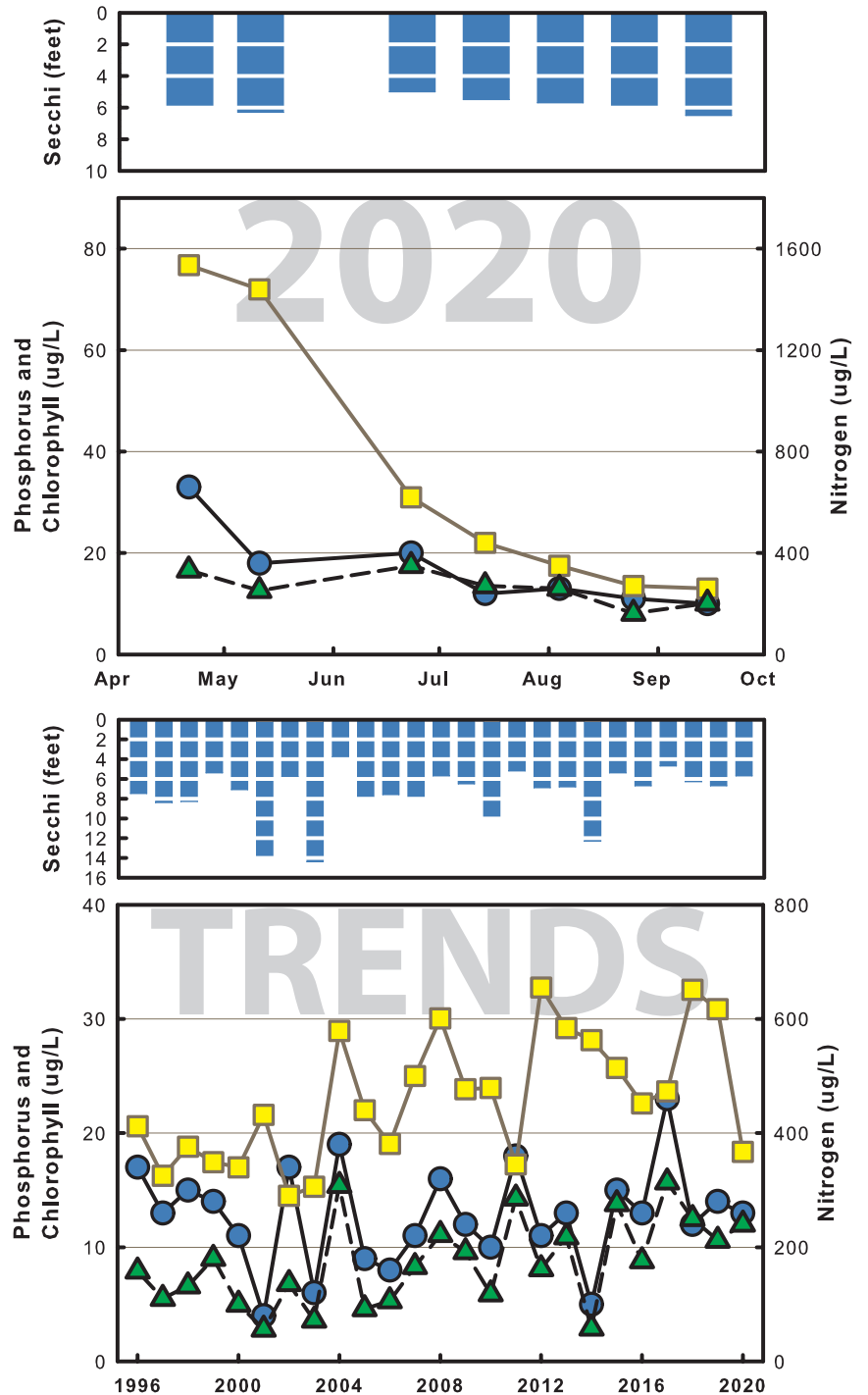
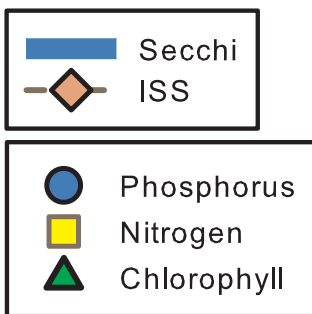
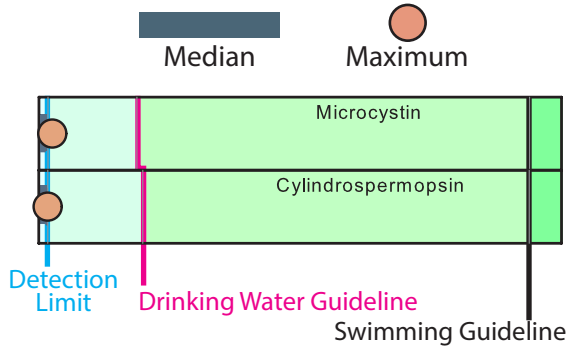


Table Rock Site 6.5

2020 Data Table	6/7	7/12	8/9	8/23	9/20	Mean*
Temp (F)	83	85	83	84	76	82
Secchi (feet)	4.3	5.2	4.5	5.1	3.8	4.5
Phosphorus (µg/L)	20	16	27	24	31	23
Nitrogen (µg/L)	515	307	320	410	445	392
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	10.0	9.0	18.0	12.0	21.0	13.2
Sediment (mg/L)						
Microcystin (µg/L)	0.22	0.17	<0.10		<0.10	0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04		0.05	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

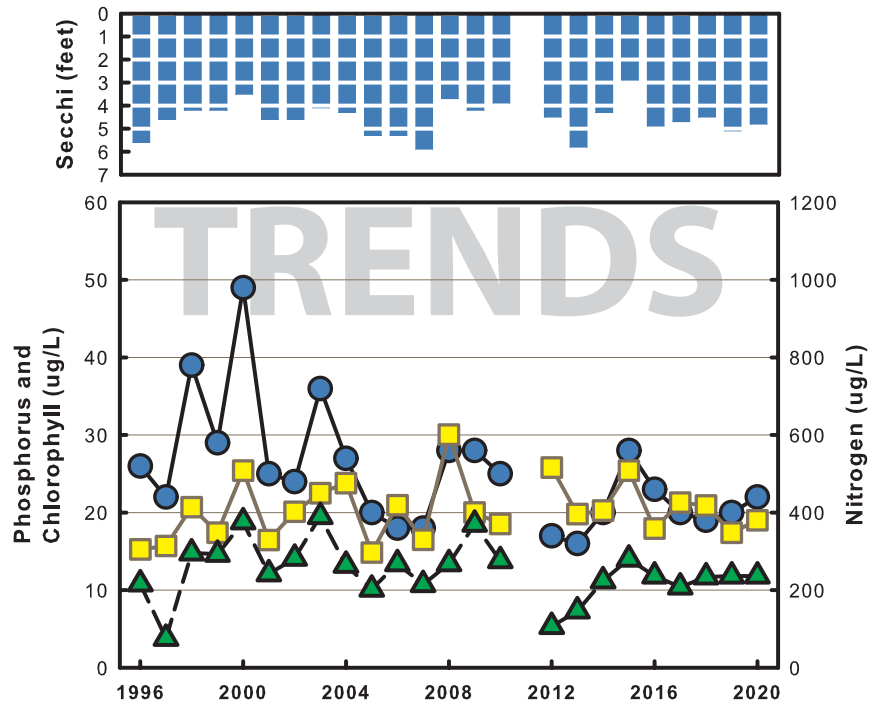
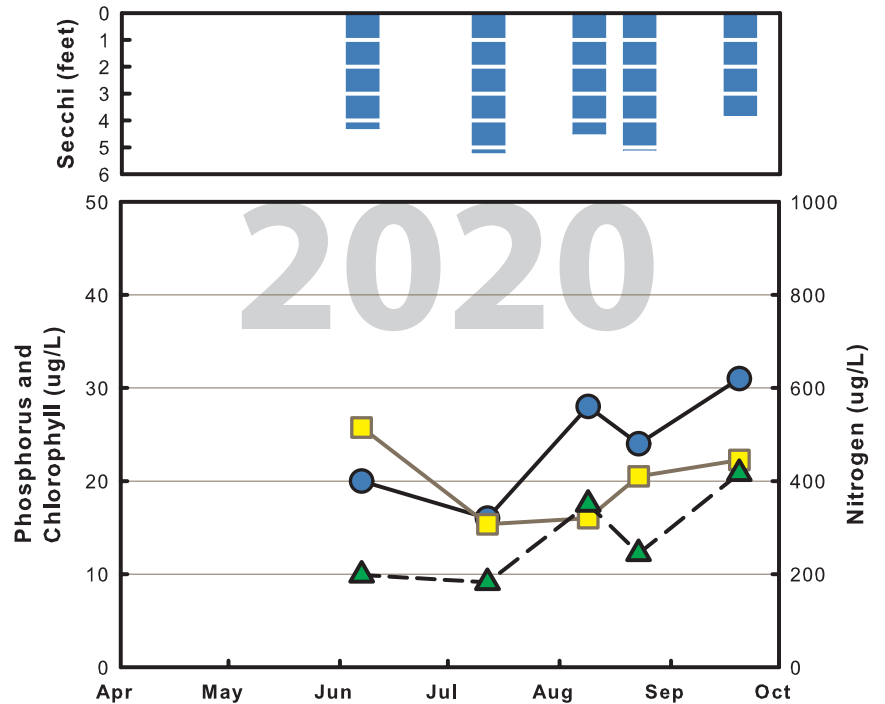
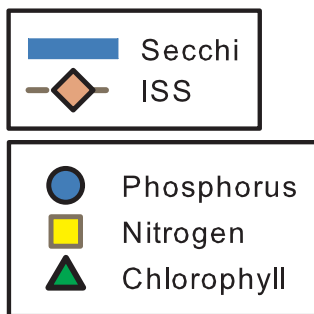
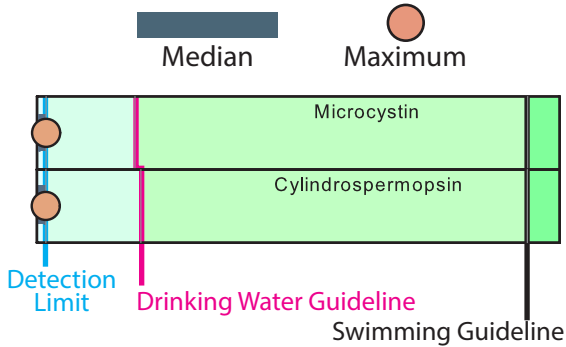


Table Rock Site 7

2020 Data Table	6/7	7/12	8/9	8/23	9/20	Mean*
Temp (F)	85	86	82	85	78	83
Secchi (feet)	6.3	4.5	3.5	2.9	2.6	3.8
Phosphorus (µg/L)	18	27	44	39	48	33
Nitrogen (µg/L)	630	343	505	495	635	509
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	10.0	15.0	40.0	19.0	33.0	20.7
Sediment (mg/L)						
Microcystin (µg/L)	0.15	<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

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

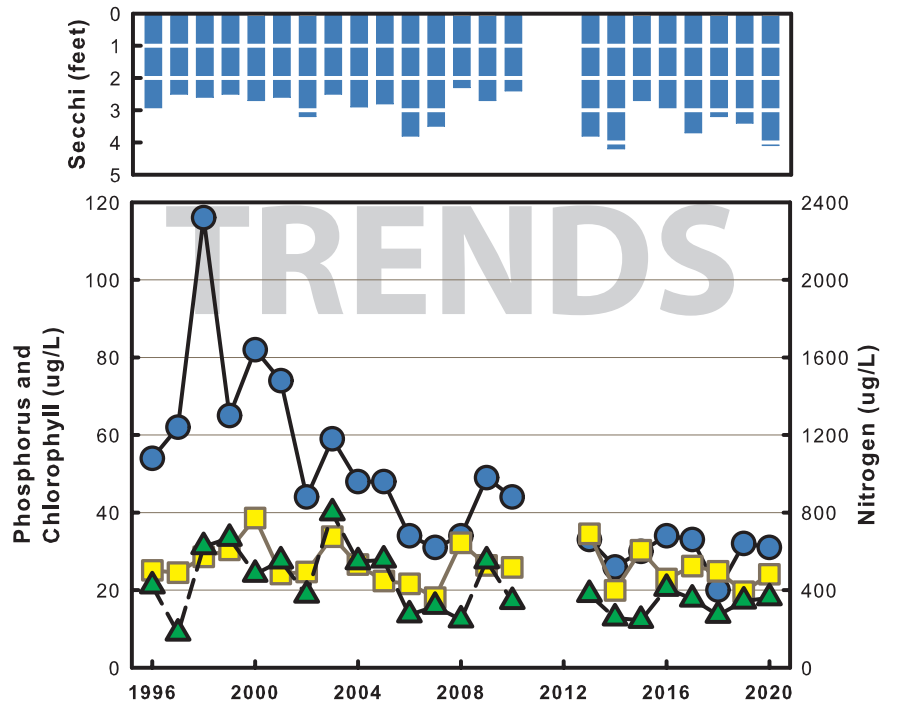
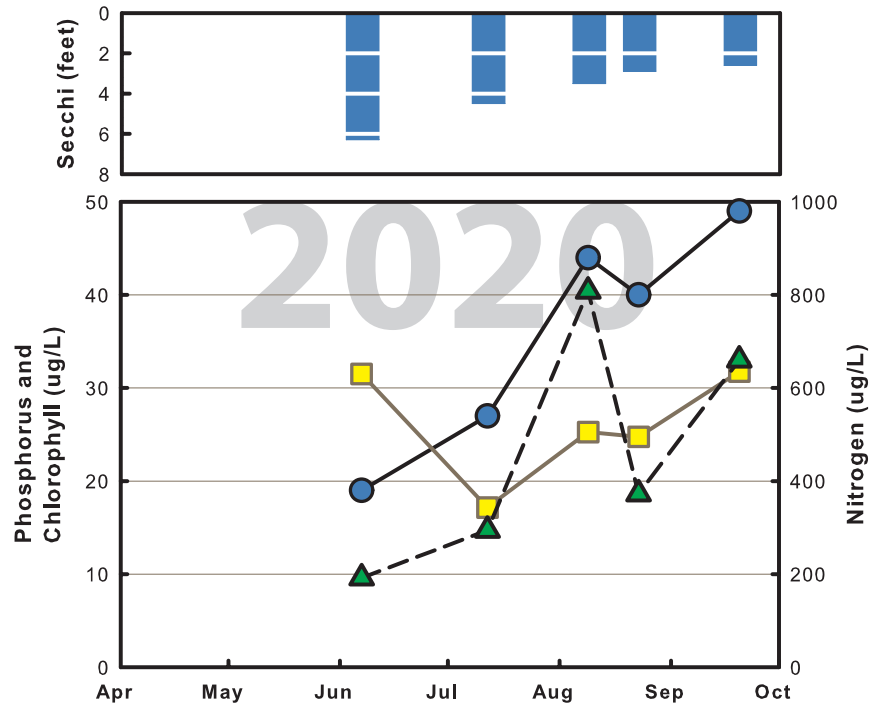
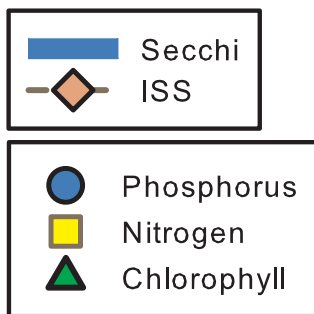
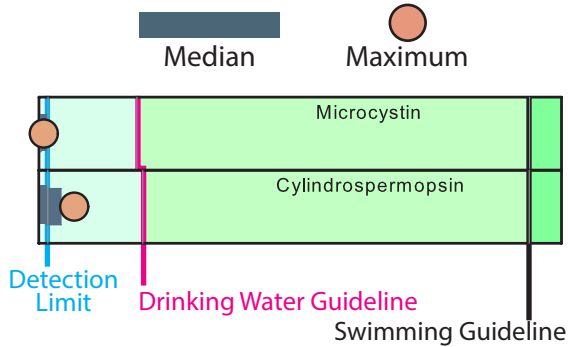


Table Rock Site 7.1

2020 Data Table	6/1	6/20	7/7	8/11	8/27	9/15	Mean*
Temp (F)	72	81	90	83	81	82	81
Secchi (feet)	5.2	5.0	4.0	1.7	1.8	4.0	3.3
Phosphorus (µg/L)	28	38	28	188	101	90	61
Nitrogen (µg/L)	755	555	425	1950	1010	1035	845
Ammonium (µg/L)			<10	107	89	27	34
Nitrate (µg/L)			<5	<5	14	<5	<5
Chlorophyll (µg/L)	14.0	24.0	12.0	385.0	53.0	22.0	34.9
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	0.05	0.05	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

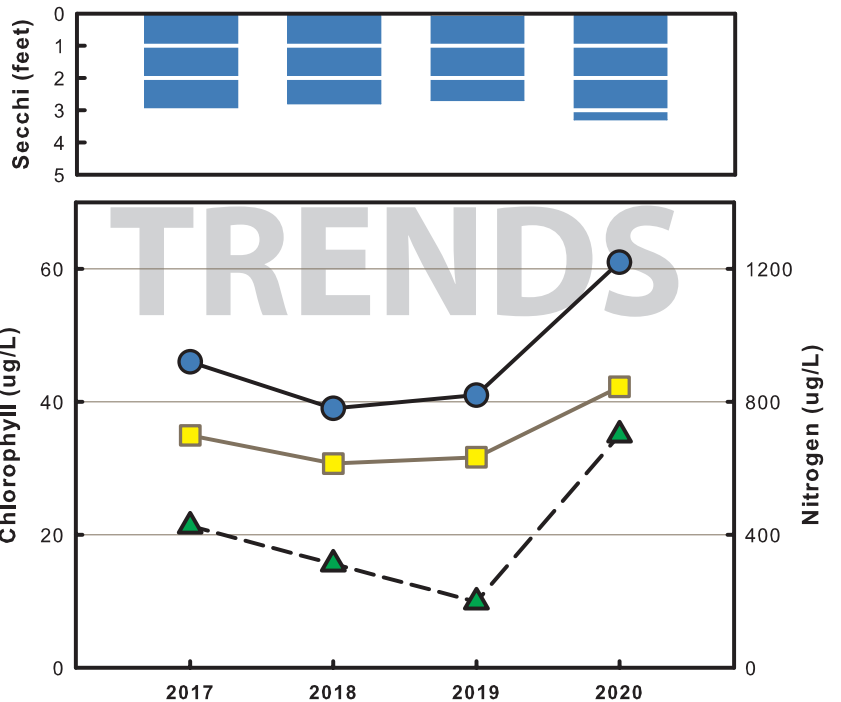
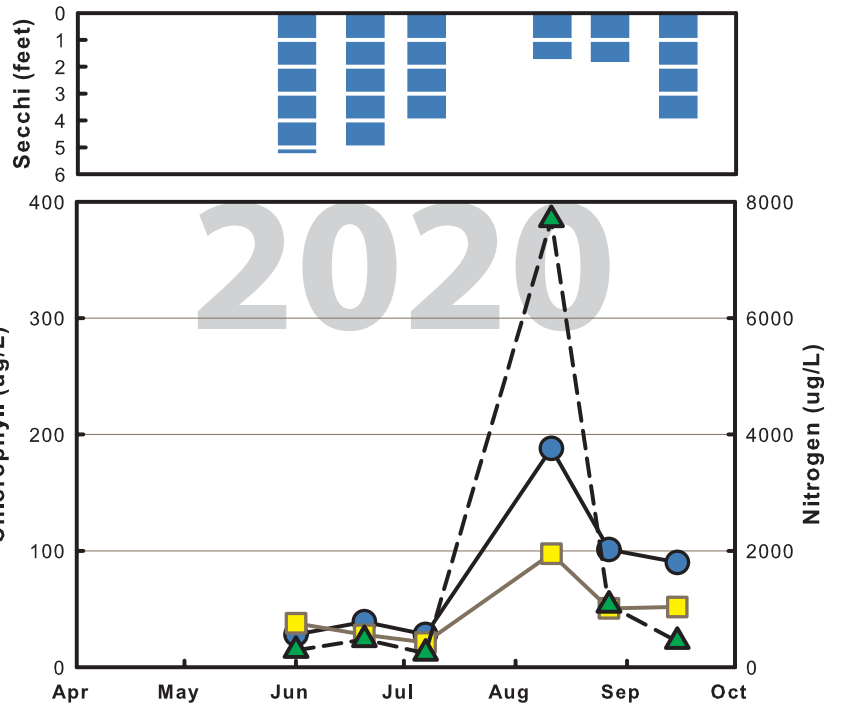
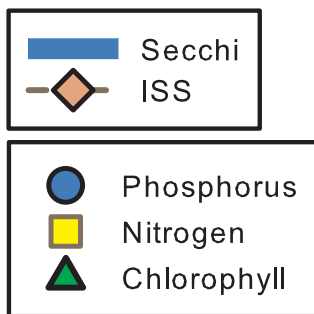
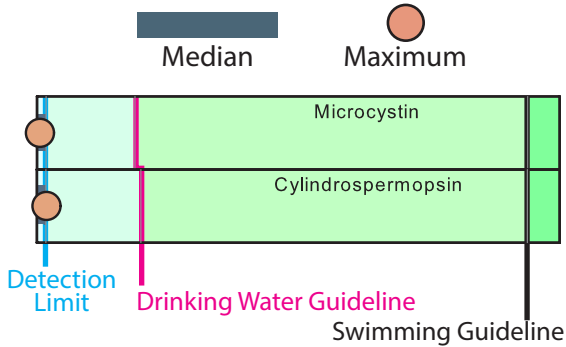


Table Rock Site 7.5

2020 Data Table	6/2	6/22	7/8	8/15	8/24	9/14	Mean*
Temp (F)	73	80	84	81	81	80	80
Secchi (feet)	6.6	5.6	4.3	2.6	3.1	2.7	3.9
Phosphorus (µg/L)	18	21	40	42	35	32	30
Nitrogen (µg/L)	715	500	465	430	350	315	446
Ammonium (µg/L)			12	40	142	11	29
Nitrate (µg/L)			<5	<5	<5	<5	<5
Chlorophyll (µg/L)	3.0	13.0	20.0	21.0	18.0	52.0	15.8
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	0.06	0.07	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

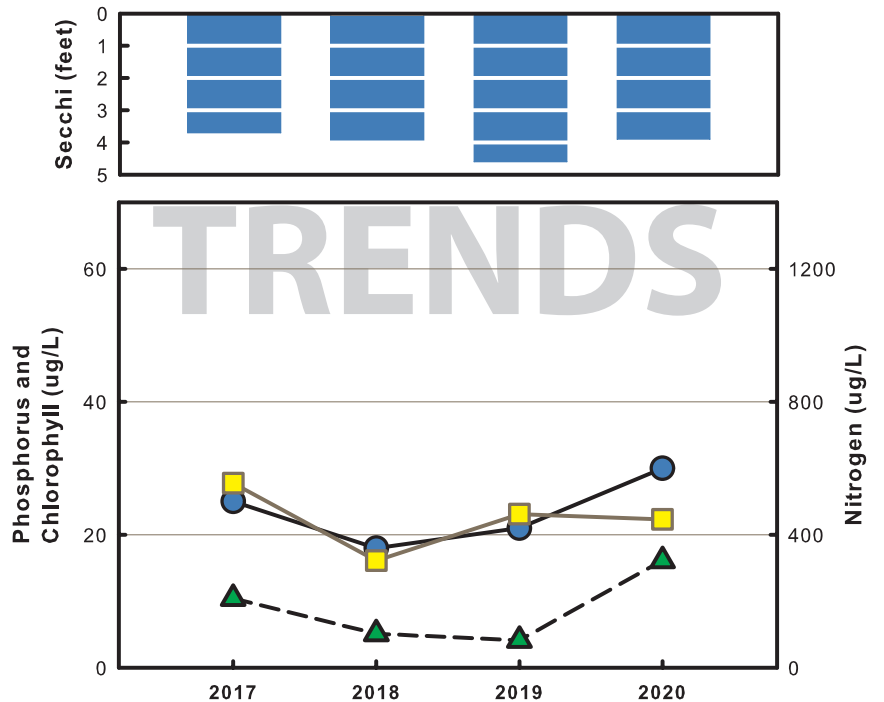
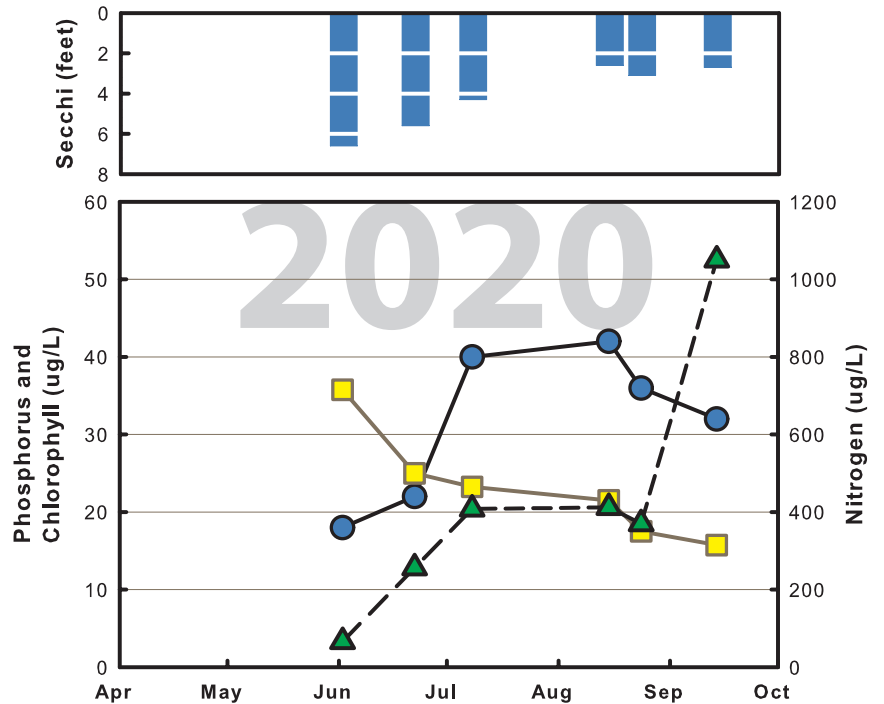
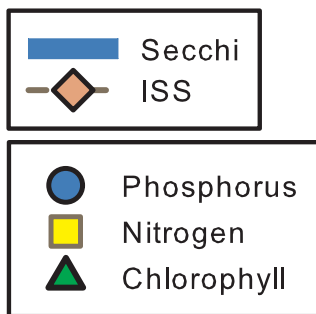
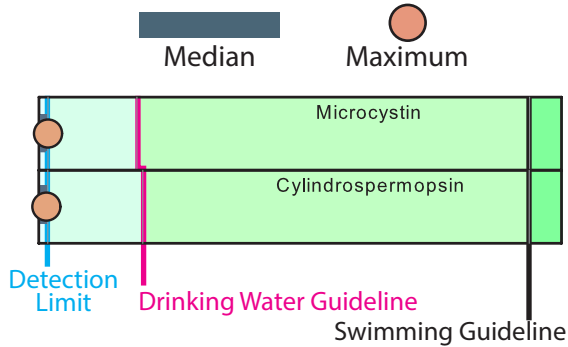


Table Rock Site 8.8

2020 Data Table	6/22	7/13	8/4	8/24	9/14	Mean*
Temp (F)	86	76	74	86	83	81
Secchi (feet)	2.5	5.2	5.9	4.2	4.9	4.4
Phosphorus (µg/L)	39	9	10	11	9	13
Nitrogen (µg/L)	705	595	405	345	260	433
Ammonium (µg/L)	<10	<10	35	<10	<10	<10
Nitrate (µg/L)	214	319	89	<5	<5	35
Chlorophyll (µg/L)	26.0	13.0	11.0	13.0	15.0	14.9
Sediment (mg/L)						
Microcystin (µg/L)	<0.10	0.15	0.12	<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results

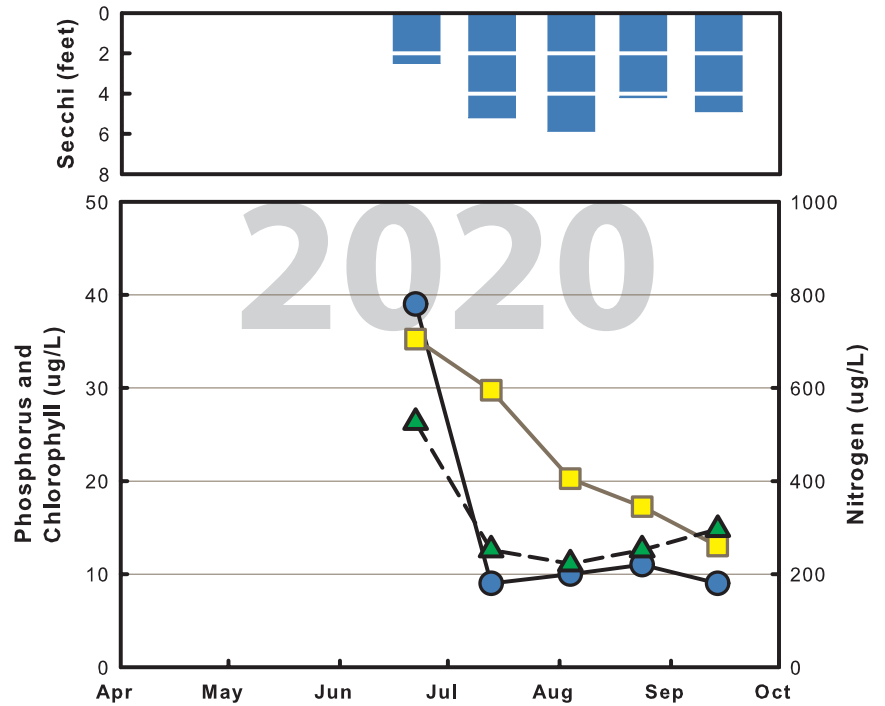


(* Table shows geometric means)

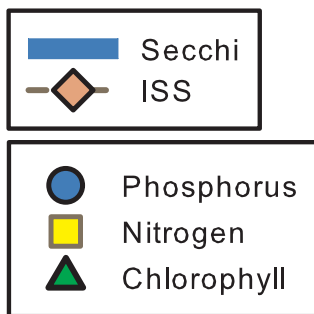
Above: Algal toxin results

Right top: 2020 data graph

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



Legend for 2020 and Trend graphs



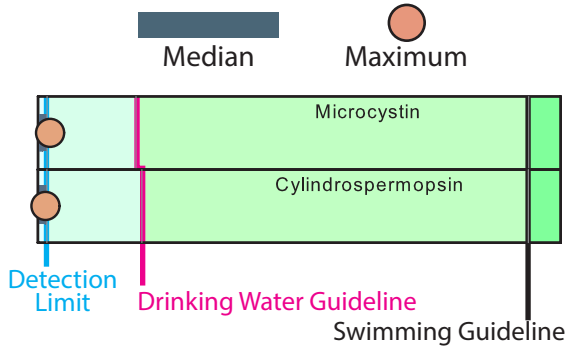
TRENDS

2020 = First Season of Monitoring

Table Rock Site 9

2020 Data Table	5/10	5/31	6/23	7/14	8/4	8/24	9/15	Mean*
Temp (F)	68	74	77	81	84	80	78	77
Secchi (feet)	4.9	6.3	6.8	6.9	6.8	5.8	5.9	6.2
Phosphorus (µg/L)	18	18	20	15	14	12	13	15
Nitrogen (µg/L)	390	695	385	300	280	310	250	353
Ammonium (µg/L)	12	<10	12		<10	14	<10	<10
Nitrate (µg/L)	43	19	42		<5	<5	<5	10
Chlorophyll (µg/L)	11.0	14.0	15.0	15.0	15.0	15.0	17.0	14.5
Sediment (mg/L)								
Microcystin (µg/L)	0.17	<0.10	0.20	0.15	<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

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

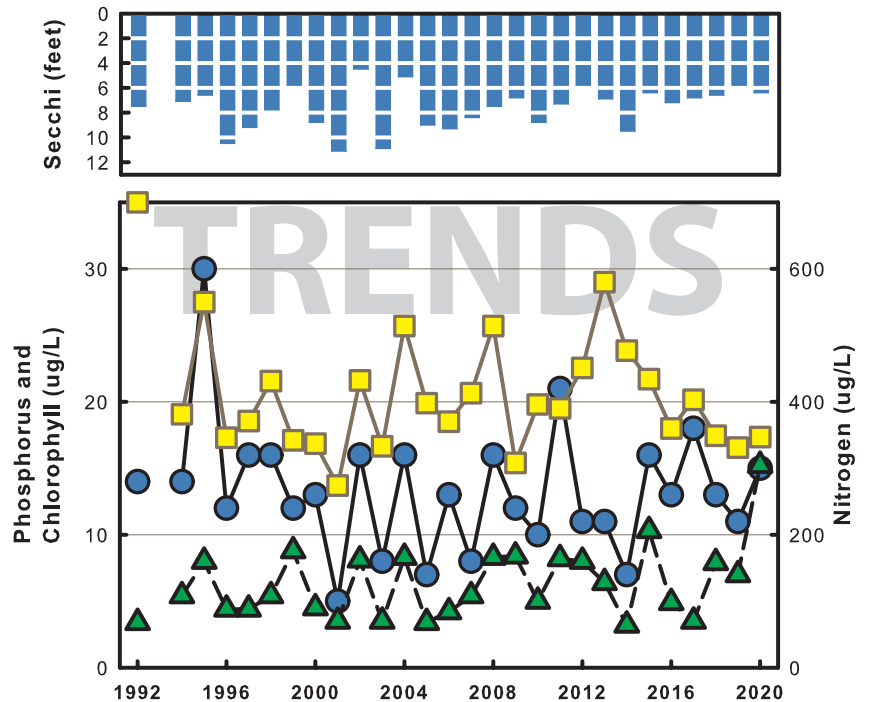
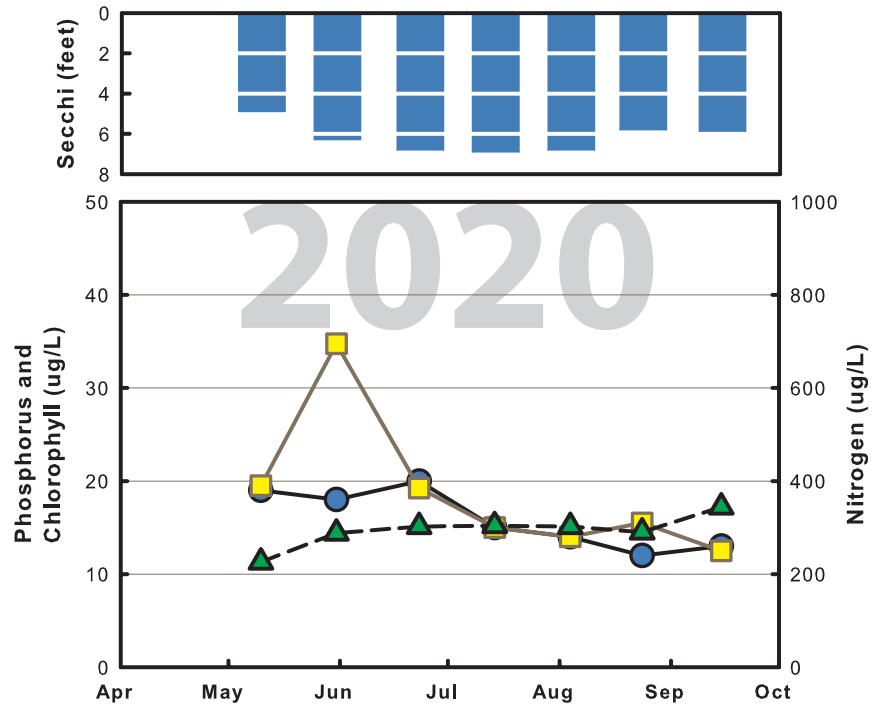
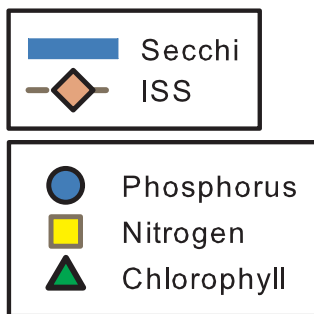
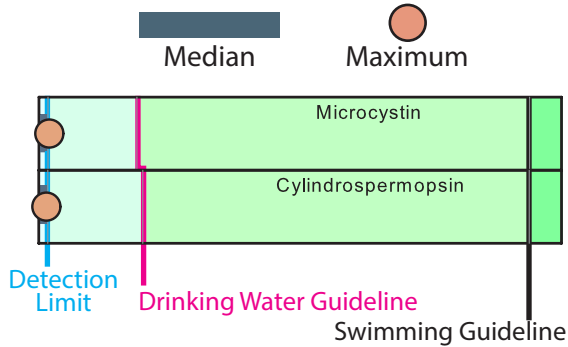


Table Rock Site 9.1

2020 Data Table	4/20	6/22	7/14	Mean*
Temp (F)	58	79	83	73
Secchi (feet)	6.0	6.0	5.7	5.9
Phosphorus (µg/L)	22	17	14	17
Nitrogen (µg/L)	780	505	475	572
Ammonium (µg/L)	<10	<10	<10	<10
Nitrate (µg/L)	414	162	88	181
Chlorophyll (µg/L)	16.0	14.0	12.0	13.9
Sediment (mg/L)				
Microcystin (µg/L)	<0.10	<0.10	0.17	<0.10
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

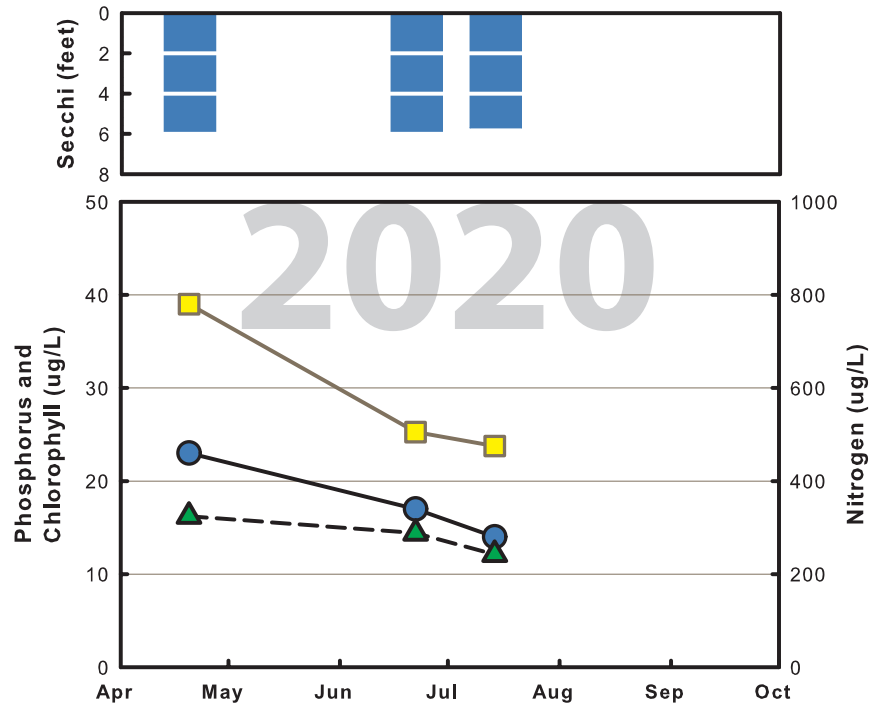
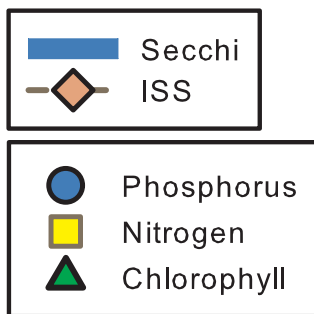
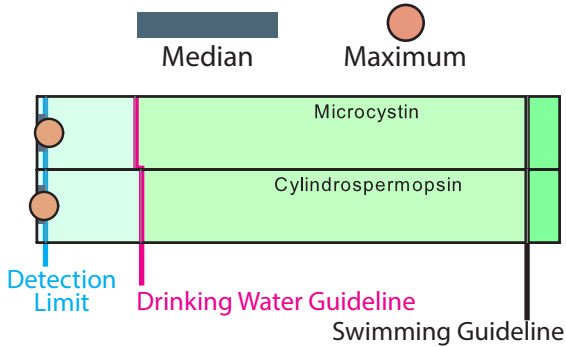


Table Rock Site Big Bay

2020 Data Table	6/2	7/5	8/9	Mean*
Temp (F)				
Secchi (feet)	8.7	8.4	4.0	6.6
Phosphorus (µg/L)	4	10	10	7
Nitrogen (µg/L)	450	625	255	415
Ammonium (µg/L)				
Nitrate (µg/L)				
Chlorophyll (µg/L)	<0.3	3.0	7.0	1.6
Sediment (mg/L)				
Microcystin (µg/L)	<0.10	0.16	0.20	0.12
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

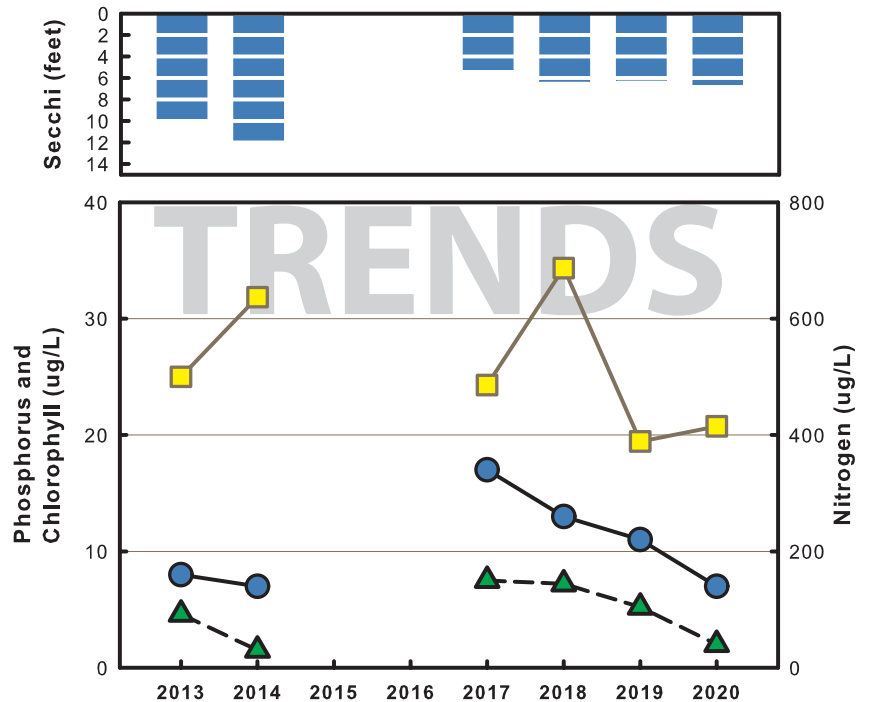
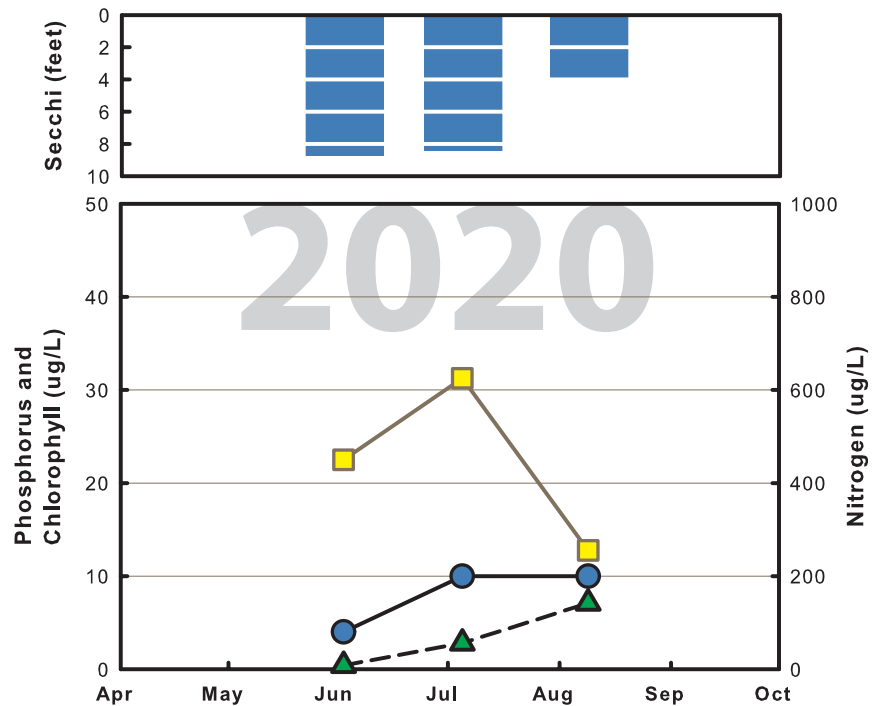
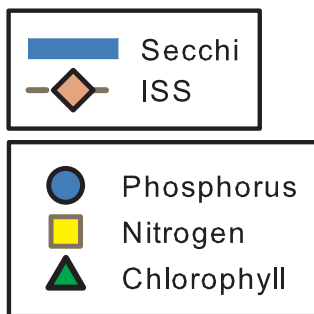
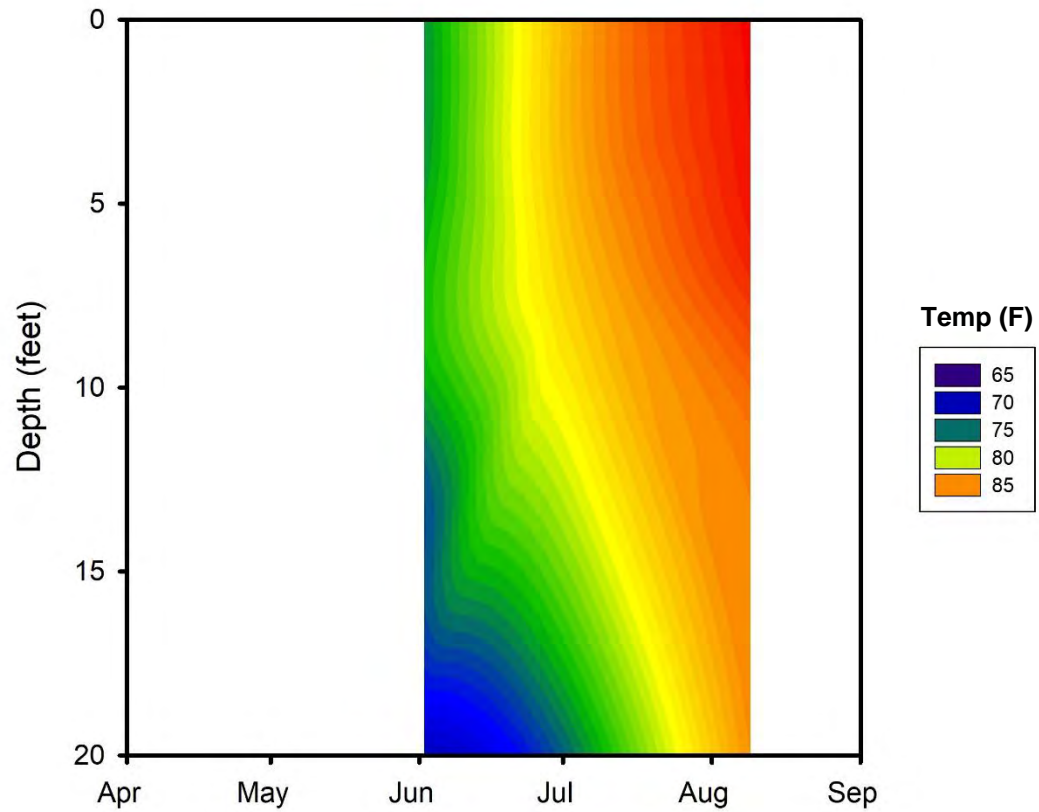


Table Rock Big Bay



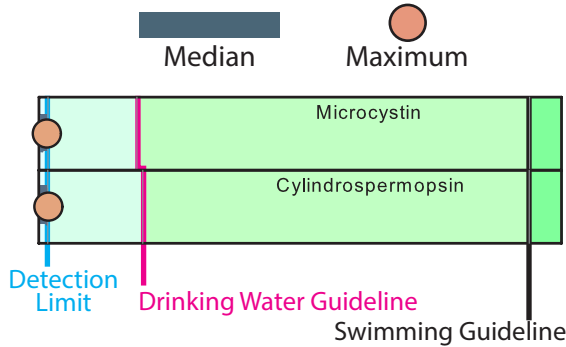
To see the surface temperature through the 2020 season, follow the top of the graph from left to right and notice the color changes. You can follow the same procedure for any depth.

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 Viola

2020 Data Table	6/7	7/12	8/9	8/23	9/20	Mean*
Temp (F)	86	87	83	84	79	84
Secchi (feet)	5.4	5.0	5.2	5.6	6.5	5.5
Phosphorus (µg/L)	20	12	16	13	19	16
Nitrogen (µg/L)	475	320	300	285	300	330
Ammonium (µg/L)						
Nitrate (µg/L)						
Chlorophyll (µg/L)	14.0	6.0	11.0	5.0	9.0	8.4
Sediment (mg/L)						
Microcystin (µg/L)	0.13	0.12		<0.10	<0.10	<0.10
Cylindro (µg/L)	<0.04	<0.04		0.07	0.06	0.04

2020 Algal Toxin Results



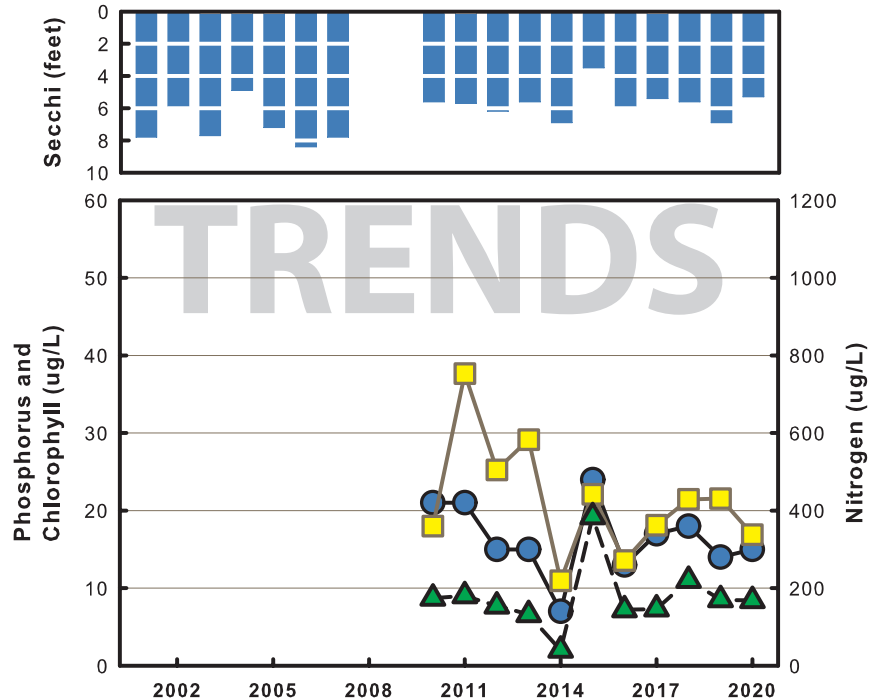
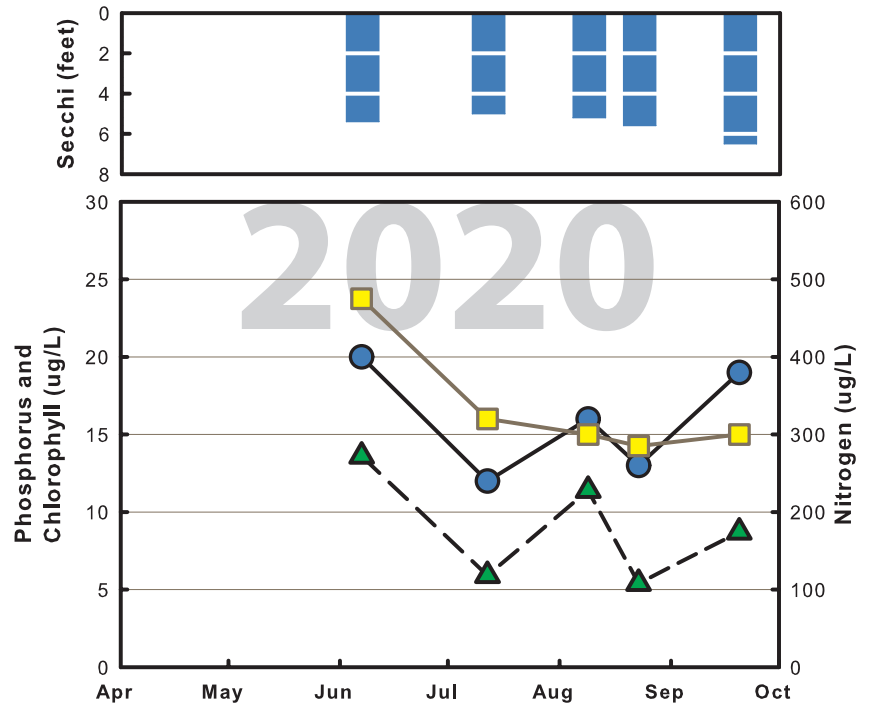
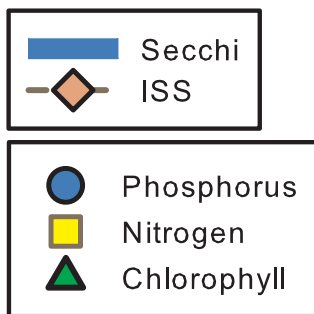
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Taneycomo Site 10

2020 Data Table	4/20	5/13	6/1	6/23	7/13	8/11	8/24	9/17	Mean*
Temp (F)	49	50	57	55	57	61	59	63	56
Secchi (feet)									
Phosphorus (µg/L)	17	16	25	22	24	17	14	21	19
Nitrogen (µg/L)	1210	1020	500	1010	1035	780	965	835	893
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.0	1.0	1.0	1.0	1.0	3.0	1.0	7.0	1.7
Sediment (mg/L)									
Microcystin (µg/L)									
Cylindro (µg/L)									

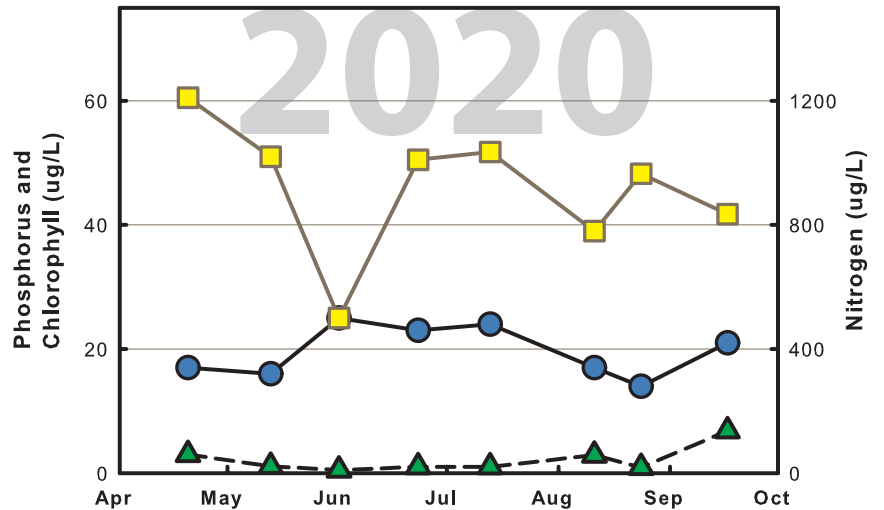
No 2020 Toxin Data

(* Table shows geometric means)

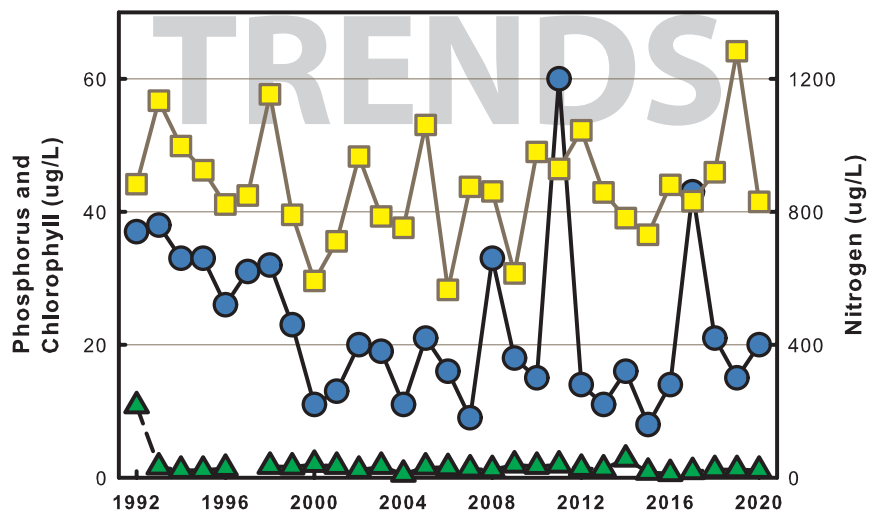
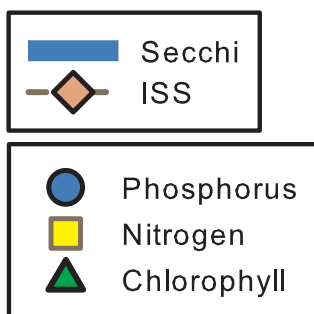
Above: Algal toxin results

Right top: 2020 data graph

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



Legend for 2020 and Trend graphs



Taneycomo Site 3.5

2020 Data Table	4/22	5/13	6/1	6/23	7/13	8/11	8/24	9/17	Mean*
Temp (F)	48	58	61	62	62	64	69	64	61
Secchi (feet)	11.0	9.6	10.6	12.2	10.0	7.0	7.7	5.2	8.9
Phosphorus (µg/L)	12	13	13	13	12	10	8	12	11
Nitrogen (µg/L)	1060	645	970	765	940	925	820	760	851
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	2.0	1.0	2.0	2.0	1.0	1.0	1.0	5.0	1.6
Sediment (mg/L)									
Microcystin (µg/L)									
Cylindro (µg/L)									

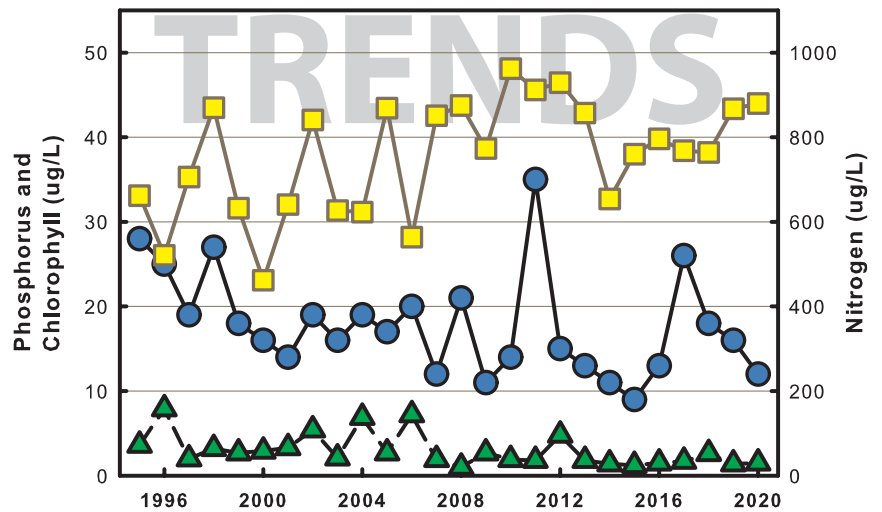
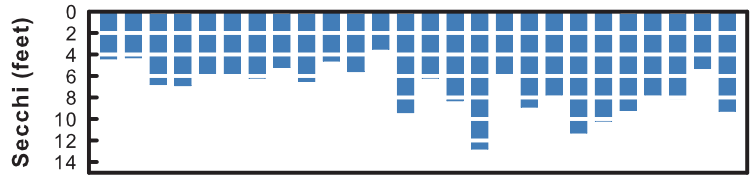
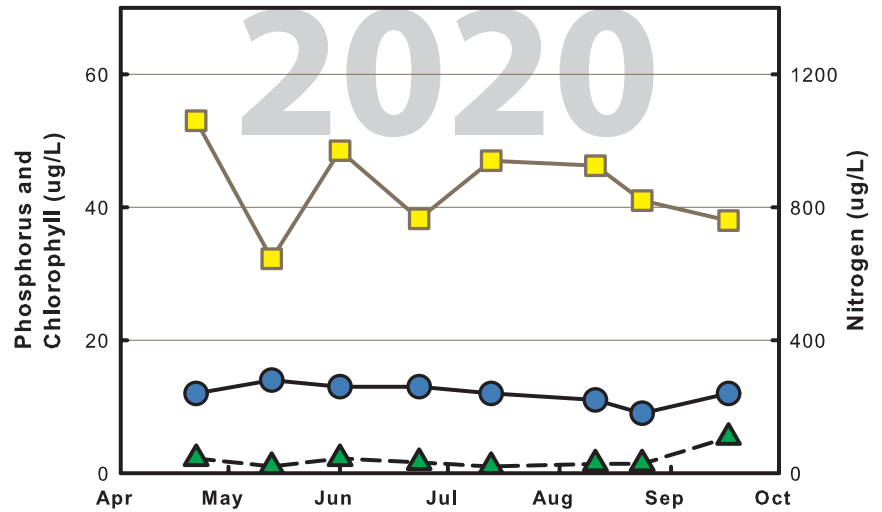
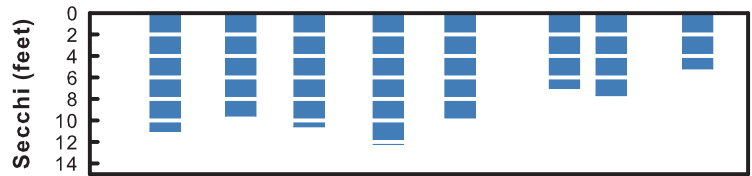
No 2020 Toxin Data

(* Table shows geometric means)

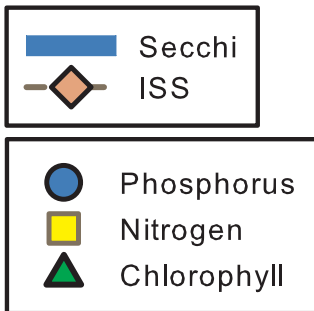
Above: Algal toxin results

Right top: 2020 data graph

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



Legend for 2020 and Trend graphs



Taneycomo Site 5

2020 Data Table	4/22	5/13	6/1	6/23	7/13	8/11	8/24	9/17	Mean*
Temp (F)	46	53	57	57	56	52	61	58	55
Secchi (feet)	12.2	13.7	14.7	14.3	13.5	14.2	12.2	11.3	13.2
Phosphorus (µg/L)	11	13	14	12	14	7	12	10	11
Nitrogen (µg/L)	1250	1075	465	1005	1005	1065	955	910	935
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	3.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	1.4
Sediment (mg/L)									
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

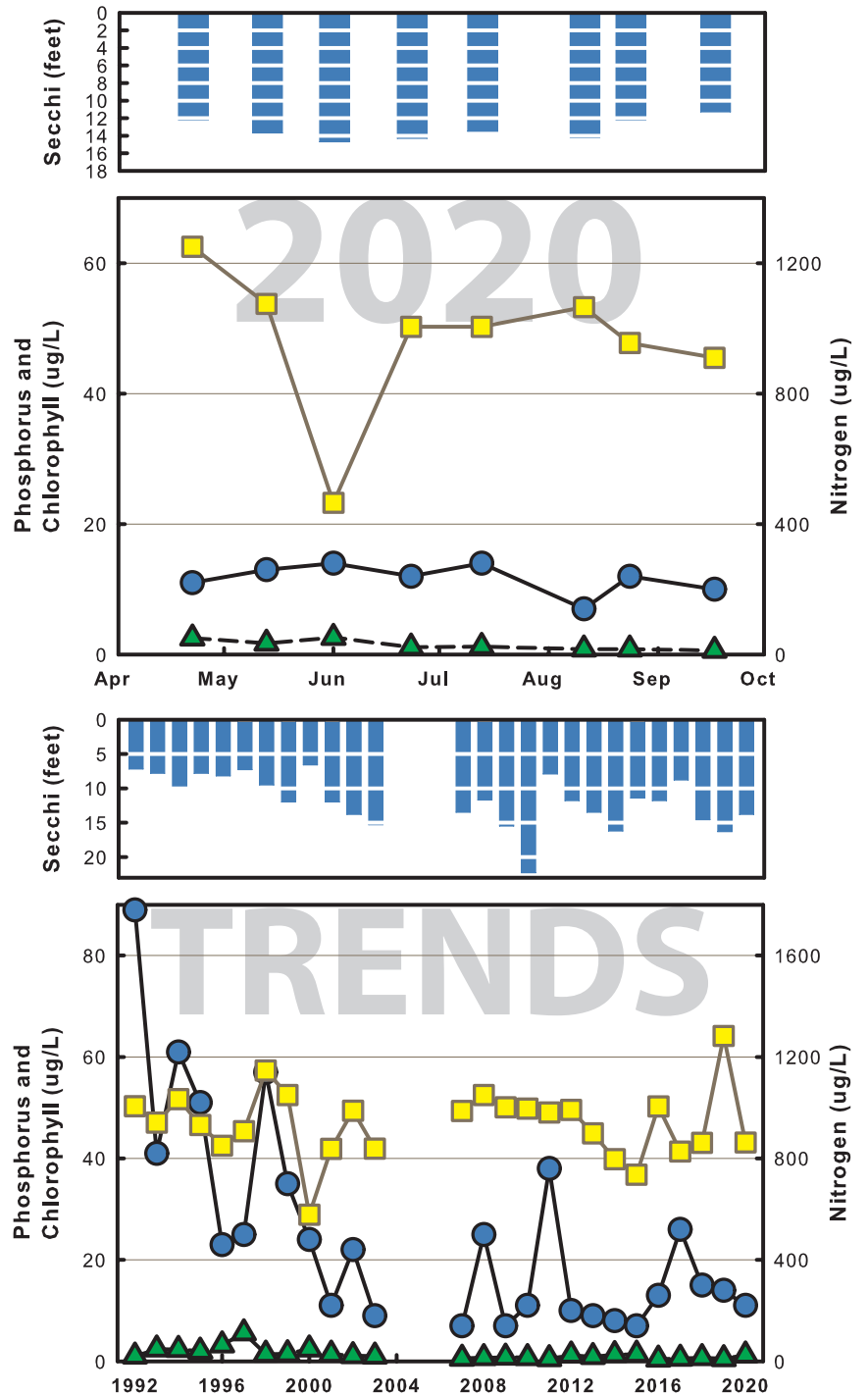
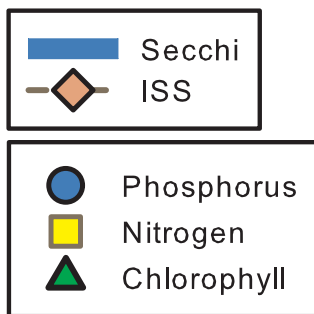
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs



Taneycomo Site 6

2020 Data Table	4/22	5/13	6/1	6/23	7/13	8/11	8/24	9/17	Mean*
Temp (F)	46	53	60	50	56	51	60		54
Secchi (feet)	13.0	11.8	12.0		15.4	13.0	11.7		12.8
Phosphorus (µg/L)	13	15	13	13	14	15	11	13	13
Nitrogen (µg/L)	1280	860	965	1075	980	1140	1370	1135	1089
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	2.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.3
Sediment (mg/L)									
Microcystin (µg/L)									
Cylindro (µg/L)									

No 2020 Toxin Data

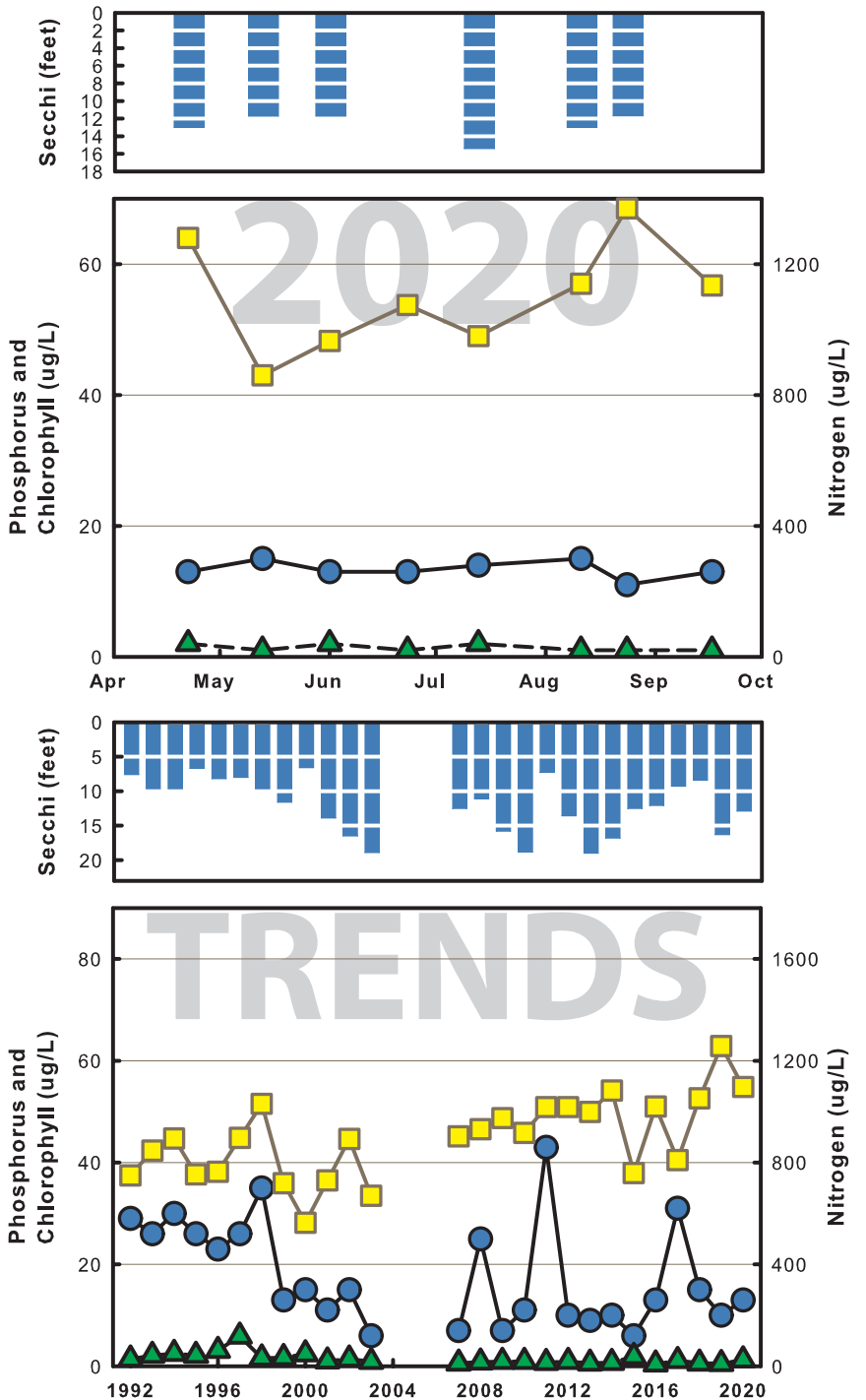
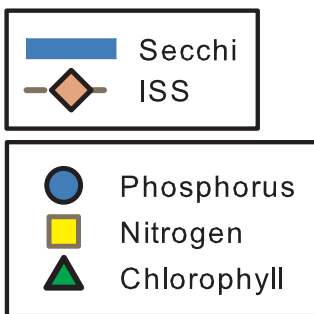
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

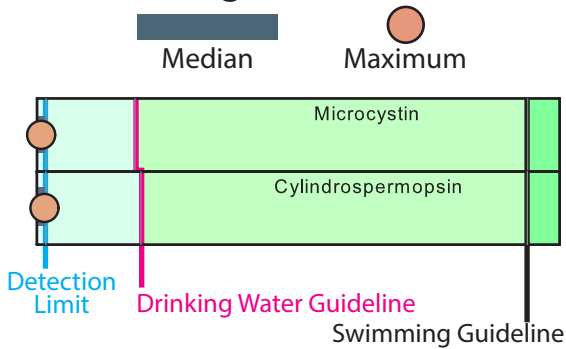
Legend for 2020 and Trend graphs



Taneycomo Site 6.7

2020 Data Table	5/6	5/26	6/16	7/1	7/29	8/24	9/14	9/28	Mean*
Temp (F)	50	55	55	55	55	60	65	53	56
Secchi (feet)	3.2	1.6	5.0	10.4	10.5	9.0	9.5	8.0	6.1
Phosphorus (µg/L)	16	32	15	13	11	20	34	20	19
Nitrogen (µg/L)	1095		855	960	1020	890	950	880	807
Ammonium (µg/L)									
Nitrate (µg/L)									
Chlorophyll (µg/L)	6.0	8.0	5.0	3.0	2.0	1.0	5.0	1.0	3.0
Sediment (mg/L)	2.0	12.6	1.3	0.3	0.3	0.7	0.4	1.2	1.0
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

2020 Algal Toxin Results

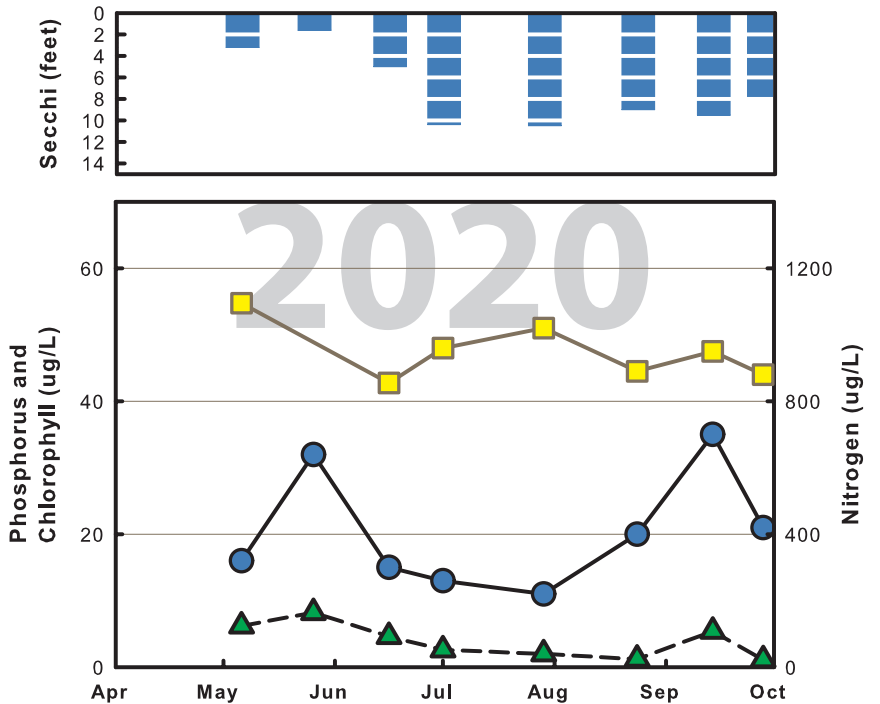


(* Table shows geometric means)

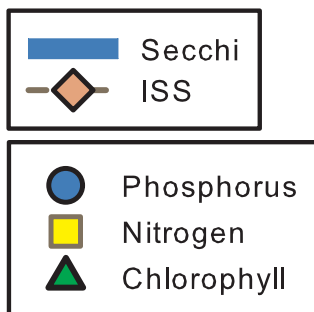
Above: Algal toxin results

Right top: 2020 data graph

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



Legend for 2020 and Trend graphs

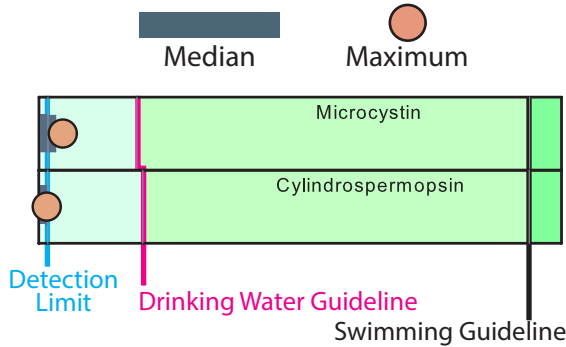


TRENDS
2020 = First Season of Monitoring

Tri-City Community Lake

2020 Data Table	6/10	9/4	Mean*
Temp (F)	75	73	74
Secchi (feet)			
Phosphorus (µg/L)	233	78	135
Nitrogen (µg/L)	1290	1125	1205
Ammonium (µg/L)	16	18	17
Nitrate (µg/L)	79	<5	15
Chlorophyll (µg/L)		39.0	39.0
Sediment (mg/L)	12.2	3.0	6.0
Microcystin (µg/L)	0.39	0.16	0.25
Cylindro (µg/L)	<0.04	<0.04	<0.04

2020 Algal Toxin Results



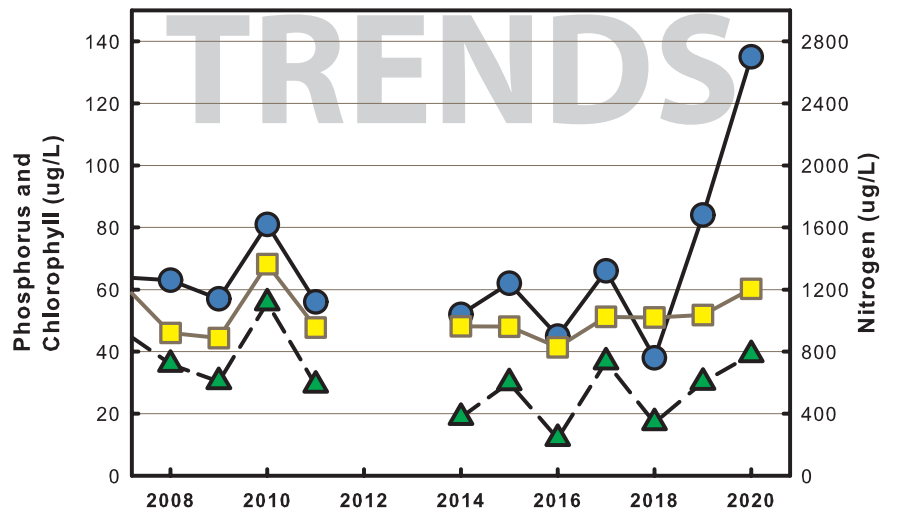
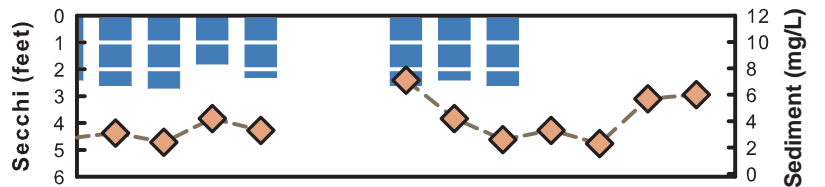
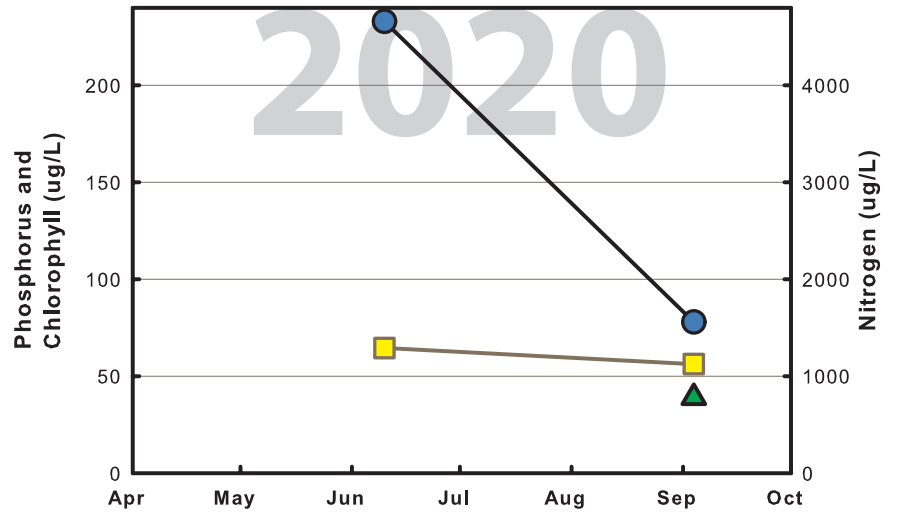
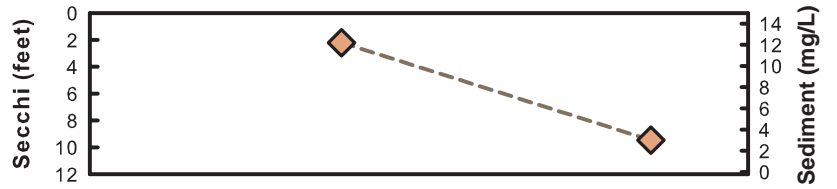
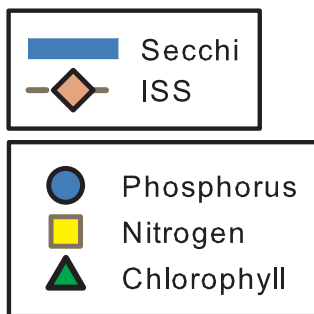
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

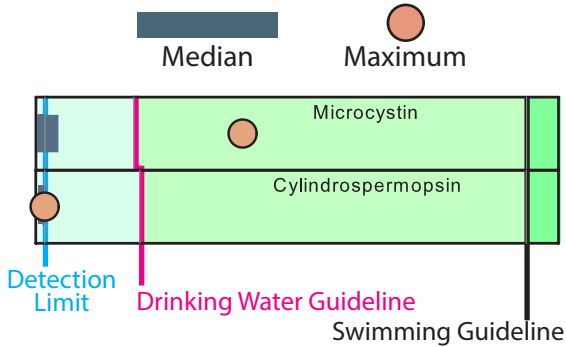
Legend for 2020 and Trend graphs



Vandalia Community Lake Site 1

2020 Data Table	5/13	6/5	6/27	7/18	8/8	8/29	Mean*
Temp (F)	58	82	78	84	80	82	77
Secchi (feet)	1.6	1.7	1.8	1.5	2.3	1.1	1.6
Phosphorus (µg/L)	184	103	114	137	106	139	128
Nitrogen (µg/L)	1110	1740	1485	1700	1400	1710	1506
Ammonium (µg/L)	53	61	26	52	124	337	75
Nitrate (µg/L)	<5	<5	<5	<5	20	<5	<5
Chlorophyll (µg/L)	33.0	62.0	55.0	63.0	73.0	84.0	59.3
Sediment (mg/L)	11.2	2.6	4.0	3.4	2.4	4.7	4.1
Microcystin (µg/L)	0.22	3.37	0.31	0.34	0.38	0.42	0.48
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<0.04

2020 Algal Toxin Results



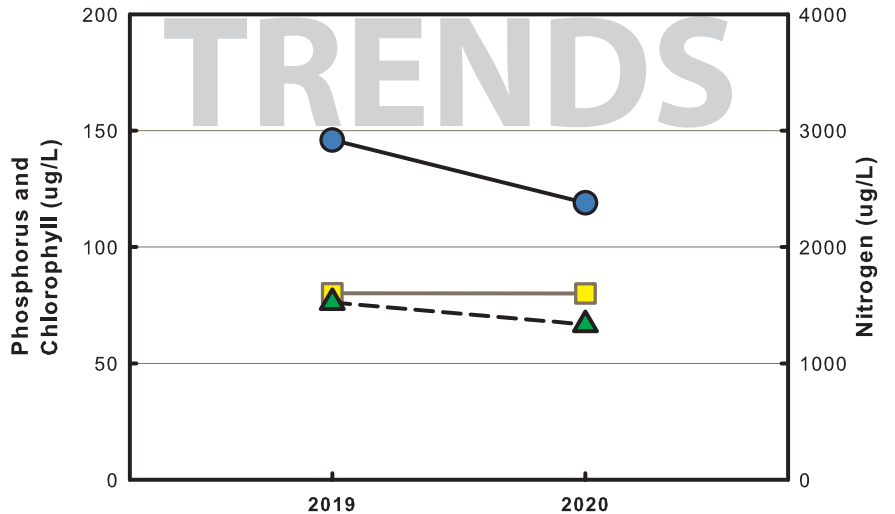
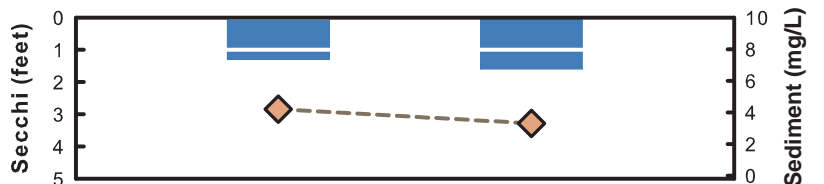
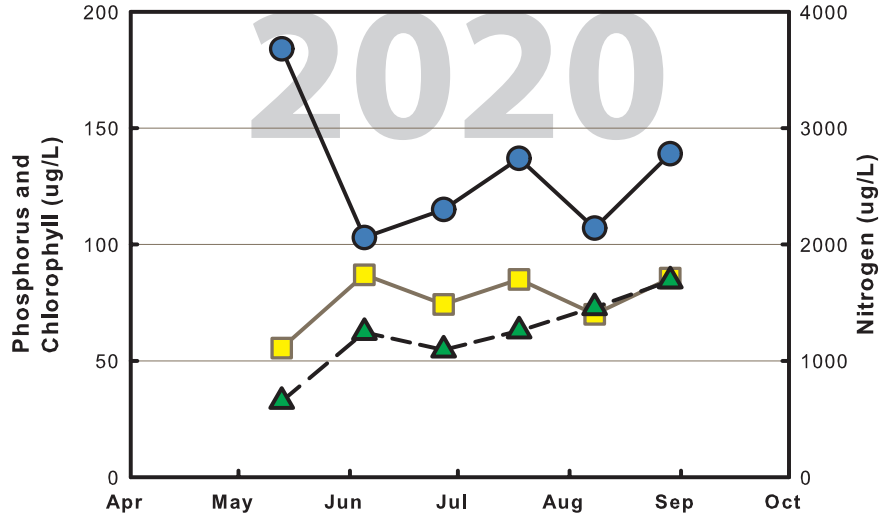
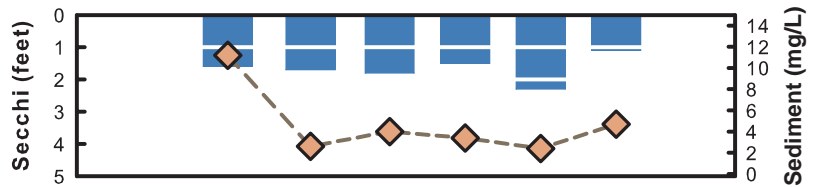
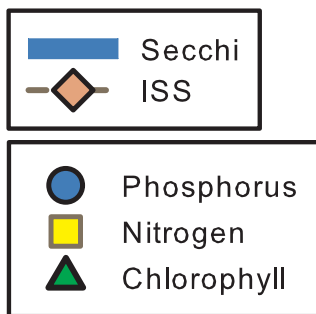
(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

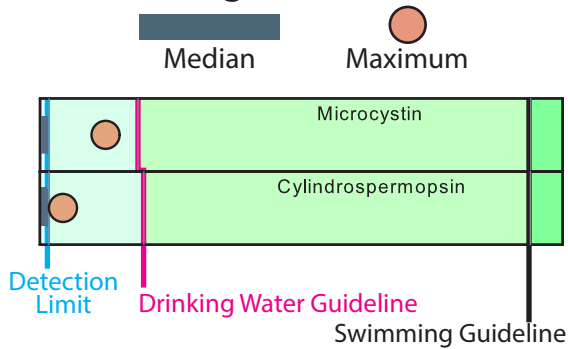
Legend for 2020 and Trend graphs



Waterworks Site 1

2020 Data Table	4/23	5/15	6/2	6/24	7/16	8/5	8/28	9/18	Mean*
Temp (F)	58	63	73	86	80	75	81	70	73
Secchi (feet)	2.9	2.1	2.0	3.7	2.2	3.7	3.2	2.3	2.7
Phosphorus (µg/L)	44	42	79	35	49	25	25	48	41
Nitrogen (µg/L)	510	540	745	650	735	565	600	725	628
Ammonium (µg/L)	<10	72	42	<10	53	12	15	15	18
Nitrate (µg/L)		8	<5	19	100	<5	<5	<5	7
Chlorophyll (µg/L)	10.0	9.0	154.0	11.0	252.0	41.0	25.0	202.0	41.0
Sediment (mg/L)	1.6	4.9	4.4	0.8	1.6	1.0	1.0	1.9	1.7
Microcystin (µg/L)	<0.10	0.15	0.11	0.15	<0.10	<0.10	1.07	0.82	0.15
Cylindro (µg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.27	0.49	0.04

2020 Algal Toxin Results



(* Table shows geometric means)

Above: Algal toxin results

Right top: 2020 data graph

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

Legend for 2020 and Trend graphs

