

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Apr-17	REE	Dawson	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
19-Apr-17	REE	Dawson	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
19-Apr-17	REE	Dawson	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
03-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Normal or Full	6.96
03-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Normal or Full	6.96
03-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Normal or Full	6.96
03-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Normal or Full	6.96
03-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Above Normal	9.96
03-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Above Normal	9.96
03-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Above Normal	9.96
03-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Above Normal	9.96
05-May-17	SGB	Virginia	Less Than 5%	1.50	0	Sunny	Small Waves	SE	Above Normal	2
05-May-17	SGB	Virginia	Less Than 5%	1.50	0	Sunny	Small Waves	SE	Above Normal	2
05-May-17	SGB	Virginia	Less Than 5%	1.50	0	Sunny	Small Waves	SE	Above Normal	2
03-May-17	STM	La Fox Pond	Less Than 5%	3.00	0.5	Overcast	Calm/Ripple	E	Above Normal	9
03-May-17	STM	La Fox Pond	Less Than 5%	3.00	0.5	Overcast	Calm/Ripple	E	Above Normal	9
03-May-17	STM	La Fox Pond	Less Than 5%	3.00	0.5	Overcast	Calm/Ripple	E	Above Normal	9

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Apr-17	REE	Dawson		
19-Apr-17	REE	Dawson		
19-Apr-17	REE	Dawson		
03-May-17	RDO	Bloomington		
03-May-17	RDO	Bloomington		
03-May-17	RDO	Bloomington		
03-May-17	RDO	Bloomington		
03-May-17	SDA	Evergreen		
03-May-17	SDA	Evergreen		
03-May-17	SDA	Evergreen		
03-May-17	SDA	Evergreen		
05-May-17	SGB	Virginia		
05-May-17	SGB	Virginia		
05-May-17	SGB	Virginia		
03-May-17	STM	La Fox Pond	Heavy rain ~3" within the last week	Chara, Horned Pondweed, filamentous algae D.O.: 12.8 PPM, 127% Temp 52.6' F; 11.5' C Secchi color reading affected by blue aquashade dye
03-May-17	STM	La Fox Pond	Heavy rain ~3" within the last week	Chara, Horned Pondweed, filamentous algae D.O.: 12.8 PPM, 127% Temp 52.6' F; 11.5' C Secchi color reading affected by blue aquashade dye
03-May-17	STM	La Fox Pond	Heavy rain ~3" within the last week	Chara, Horned Pondweed, filamentous algae D.O.: 12.8 PPM, 127% Temp 52.6' F; 11.5' C Secchi color reading affected by blue aquashade dye

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Apr-17	REE	Dawson		12:43	REE-1	96	FALSE	FALSE	0	8	23
19-Apr-17	REE	Dawson		11:20	REE-2	78	FALSE	FALSE	0	17	12.5
19-Apr-17	REE	Dawson		10:45	REE-3	60	FALSE	FALSE	0	8	7
03-May-17	RDO	Bloomington	Samples have been sent to contract lab (nutrients, solids, chlorophyll) will send results at end.	13:15	RDO-1	44	FALSE	FALSE	0	7	31
03-May-17	RDO	Bloomington	Samples have been sent to contract lab (nutrients, solids, chlorophyll) will send results at end.	13:19	RDO-2	36	FALSE	FALSE	0	7	26
03-May-17	RDO	Bloomington	Samples have been sent to contract lab (nutrients, solids, chlorophyll) will send results at end.	13:50	RDO-3	18	FALSE	FALSE	0	14	16
03-May-17	RDO	Bloomington	Samples have been sent to contract lab (nutrients, solids, chlorophyll) will send results at end.	14:10	RDO-4	16	FALSE	FALSE	0	14	16
03-May-17	SDA	Evergreen		10:45	SDA-1	42	FALSE	FALSE	0	7	47
03-May-17	SDA	Evergreen		11:15	SDA-2	32	FALSE	FALSE	0	15	12
03-May-17	SDA	Evergreen		11:35	SDA-3	20	FALSE	FALSE	0	14	12
03-May-17	SDA	Evergreen		11:00	SDA-4	38	FALSE	FALSE	0	7	34
05-May-17	SGB	Virginia		12:20	SGB-1	216	FALSE	FALSE	0	3	66
05-May-17	SGB	Virginia		12:45	SGB-2	208	FALSE	FALSE	0	3	43
05-May-17	SGB	Virginia		13:00	SGB-3	214	FALSE	FALSE	0	3	40
03-May-17	STM	La Fox Pond	On 3/29/17 3.75 G aquashade applied Aerators are off. Were off all winter	13:20	STM-1	84	FALSE	FALSE	0	20	9
03-May-17	STM	La Fox Pond	On 3/29/17 3.75 G aquashade applied Aerators are off. Were off all winter	13:30	STM-2	80	TRUE	FALSE	0	20	6.5
03-May-17	STM	La Fox Pond	On 3/29/17 3.75 G aquashade applied Aerators are off. Were off all winter	13:35	STM-3	78	TRUE	FALSE	0	20	6.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
05-May-17	RPZI	Richardson Wildlife		1.50	0	Sunny	Small Waves	N	Above Normal	4
05-May-17	RPZI	Richardson Wildlife		1.50	0	Sunny	Small Waves	N	Above Normal	4
05-May-17	RPZI	Richardson Wildlife		1.50	0	Sunny	Small Waves	N	Above Normal	4
08-May-17	RGZC	Fourth		4.00	0	Sunny	Small Waves	NE	Above Normal	0
08-May-17	RGZC	Fourth		4.00	0	Sunny	Small Waves	NE	Above Normal	0
08-May-17	RGZC	Fourth		4.00	0	Sunny	Small Waves	NE	Above Normal	0
08-May-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	SE	Above Normal	4
08-May-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	SE	Above Normal	4
08-May-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	SE	Above Normal	4
08-May-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	SE	Above Normal	4
09-May-17	RTW	Silver		3.00	0.5	Overcast	Calm/Ripple	NE	Above Normal	1.5

Sample Date	Lake Code	Waterbody	Observations	Other Information
05-May-17	RPZI	Richardson Wildlife	~3" of rain within last week	Horned Pondweed, filamentous algae D.O. 16.6 PPM; 172% Sat Temp: 56.7' F; 13.0' C -Secchi color readings affected by aquashade blue dye.
05-May-17	RPZI	Richardson Wildlife	~3" of rain within last week	Horned Pondweed, filamentous algae D.O. 16.6 PPM; 172% Sat Temp: 56.7' F; 13.0' C -Secchi color readings affected by aquashade blue dye.
05-May-17	RPZI	Richardson Wildlife	~3" of rain within last week	Horned Pondweed, filamentous algae D.O. 16.6 PPM; 172% Sat Temp: 56.7' F; 13.0' C -Secchi color readings affected by aquashade blue dye.
08-May-17	RGZC	Fourth	High lake levels - reaching road shoulder.	Fence at both ends of culvert between 4th Lake and Lake Miltmore is blocking movement of large fish between the lakes. Especially common carp. Bass are spawning. Purple loosestrife leaves are full of holes. Beetles must be hungry.
08-May-17	RGZC	Fourth	High lake levels - reaching road shoulder.	Fence at both ends of culvert between 4th Lake and Lake Miltmore is blocking movement of large fish between the lakes. Especially common carp. Bass are spawning. Purple loosestrife leaves are full of holes. Beetles must be hungry.
08-May-17	RGZC	Fourth	High lake levels - reaching road shoulder.	Fence at both ends of culvert between 4th Lake and Lake Miltmore is blocking movement of large fish between the lakes. Especially common carp. Bass are spawning. Purple loosestrife leaves are full of holes. Beetles must be hungry.
08-May-17	RDF	Otter		
08-May-17	RDF	Otter		
08-May-17	RDF	Otter		
08-May-17	RDF	Otter		
09-May-17	RTW	Silver	Cool and wet	Beaver sighting, and nest observation, boating, fishing

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hiddded by Weeds	Plant Coverage	Color	Total Depth (ft)
05-May-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 3/22/17 Copper Sulfate 100lb crystals applied 3/28/17 7.5 G Aquashade dye applied 4/12/17 Copper Sulfate 165 lb crystals applied 5/4/17 Copper Sulfate 25 lb crystals applied	15:05	RPZI-1	81	TRUE	FALSE	0	20	7
05-May-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 3/22/17 Copper Sulfate 100lb crystals applied 3/28/17 7.5 G Aquashade dye applied 4/12/17 Copper Sulfate 165 lb crystals applied 5/4/17 Copper Sulfate 25 lb crystals applied	15:13	RPZI-2	96	FALSE	FALSE	0	20	8.5
05-May-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 3/22/17 Copper Sulfate 100lb crystals applied 3/28/17 7.5 G Aquashade dye applied 4/12/17 Copper Sulfate 165 lb crystals applied 5/4/17 Copper Sulfate 25 lb crystals applied	15:25	RPZI-3	58	TRUE	FALSE	3	20	5
08-May-17	RGZC	Fourth	Fencing on culvert fall of 2016	09:50	RGZC-1	36	FALSE	FALSE	1	13	4
08-May-17	RGZC	Fourth	Fencing on culvert fall of 2016	09:31	RGZC-2	47	TRUE	FALSE	0	13	4
08-May-17	RGZC	Fourth	Fencing on culvert fall of 2016	09:15	RGZC-3	42	FALSE	FALSE	1	13	5
08-May-17	RDF	Otter		09:40	RDF-1	57	FALSE	FALSE	0	13	49.5
08-May-17	RDF	Otter		10:12	RDF-2	36	FALSE	FALSE	0	12	29
08-May-17	RDF	Otter		11:01	RDF-3	8	FALSE	FALSE	0	20	8.5
08-May-17	RDF	Otter		10:35	RDF-4	10	FALSE	FALSE	0	20	29
09-May-17	RTW	Silver	No aeration. Surface Temp = 60F D.O. = 12.4 Bottom Temp = 57F D.O. = 14.0	19:11	RTW-1	120	FALSE	FALSE	0	12	16

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
09-May-17	RTW	Silver		3.00	0.5	Overcast	Calm/Ripple	NE	Above Normal	1.5
09-May-17	RTW	Silver		3.00	0.5	Overcast	Calm/Ripple	NE	Above Normal	1.5
09-May-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	SW	Normal or Full	0
13-May-17	RBD	Vermilion	Less Than 5%	4.00	0	Hazy	Calm/Ripple	SW	Normal or Full	0
13-May-17	RBD	Vermilion	Less Than 5%	4.00	0	Hazy	Calm/Ripple	SW	Normal or Full	0
13-May-17	RBD	Vermilion	Less Than 5%	4.00	0	Hazy	Calm/Ripple	SW	Normal or Full	0
15-May-17	RGQ	Countryside	Greater than 70%	3.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
15-May-17	RGQ	Countryside	Greater than 70%	3.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
15-May-17	RGQ	Countryside	Greater than 70%	3.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
01-May-17	RGQ	Countryside	51% To 70%	3.00	44	Sunny	Calm/Ripple	N	Above Normal	4
01-May-17	RGQ	Countryside	51% To 70%	3.00	44	Sunny	Calm/Ripple	N	Above Normal	4
01-May-17	RGQ	Countryside	51% To 70%	3.00	44	Sunny	Calm/Ripple	N	Above Normal	4
15-May-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	S	Above Normal	0
15-May-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	S	Above Normal	0
15-May-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	S	Above Normal	0
15-May-17	RTZV	Killarney		3.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	2
15-May-17	RTZV	Killarney		3.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	2
15-May-17	RTZV	Killarney		3.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	2
16-May-17	RBU	Crystal	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
16-May-17	RBU	Crystal	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
16-May-17	RBU	Crystal	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-May-17	RTZU	Honey	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	NE	Below Normal	6
15-May-17	RTZU	Honey	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	NE	Below Normal	6
15-May-17	RTZU	Honey	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	NE	Below Normal	6
15-May-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
09-May-17	RTW	Silver	Cool and wet	Beaver sighting, and nest observation, boating, fishing
09-May-17	RTW	Silver	Cool and wet	Beaver sighting, and nest observation, boating, fishing
09-May-17	RND	Murphysboro	None	None
13-May-17	RBD	Vermilion	Rain in April was heavy. Water is a murky brown color.	Woody debris on surface. A few large logs.
13-May-17	RBD	Vermilion	Rain in April was heavy. Water is a murky brown color.	Woody debris on surface. A few large logs.
13-May-17	RBD	Vermilion	Rain in April was heavy. Water is a murky brown color.	Woody debris on surface. A few large logs.
15-May-17	RGQ	Countryside	Aquatic plants have shot up	
15-May-17	RGQ	Countryside	Aquatic plants have shot up	
15-May-17	RGQ	Countryside	Aquatic plants have shot up	
01-May-17	RGQ	Countryside		There is tons of silky algae
01-May-17	RGQ	Countryside		There is tons of silky algae
01-May-17	RGQ	Countryside		There is tons of silky algae
15-May-17	RNJ	Devils Kitchen		
15-May-17	RNJ	Devils Kitchen		
15-May-17	RNJ	Devils Kitchen		
15-May-17	RTZV	Killarney	None	None
15-May-17	RTZV	Killarney	None	None
15-May-17	RTZV	Killarney	None	None
16-May-17	RBU	Crystal		Boating operations have not begun for the summer season
16-May-17	RBU	Crystal		Boating operations have not begun for the summer season
16-May-17	RBU	Crystal		Boating operations have not begun for the summer season
15-May-17	RTZU	Honey		
15-May-17	RTZU	Honey		
15-May-17	RTZU	Honey		
15-May-17	RTZS	Goose		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
09-May-17	RTW	Silver	No aeration. Surface Temp = 60F D.O. = 12.4 Bottom Temp = 57F D.O. = 14.0	19:27	RTW-2	84	FALSE	TRUE	2	12	9
09-May-17	RTW	Silver	No aeration. Surface Temp = 60F D.O. = 12.4 Bottom Temp = 57F D.O. = 14.0	19:37	RTW-3	60	TRUE	FALSE	3	12	5
09-May-17	RND	Murphysboro	None	13:17	RND-1	27	FALSE	FALSE	0	12	7
13-May-17	RBD	Vermilion		10:48	RBD-1	9	FALSE	FALSE	1	0	17
13-May-17	RBD	Vermilion		10:34	RBD-2	9	FALSE	FALSE	1	0	11
13-May-17	RBD	Vermilion		10:23	RBD-3	9	FALSE	FALSE	0	0	5
15-May-17	RGQ	Countryside		10:00	RGQ-1	65	FALSE	TRUE	4	12	8.5
15-May-17	RGQ	Countryside		10:15	RGQ-2	84	FALSE	TRUE	4	12	8.5
15-May-17	RGQ	Countryside		10:30	RGQ-3	96	TRUE	FALSE	2	12	8.5
01-May-17	RGQ	Countryside		10:00	RGQ-1	70	TRUE	FALSE	1	11	9
01-May-17	RGQ	Countryside		10:15	RGQ-2	90	TRUE	FALSE	1	11	9
01-May-17	RGQ	Countryside		10:30	RGQ-3	102	TRUE	FALSE	1	11	9
15-May-17	RNJ	Devils Kitchen		09:10	RNJ-1	24	FALSE	FALSE	3	13	25
15-May-17	RNJ	Devils Kitchen		09:49	RNJ-2	24	FALSE	FALSE	3	13	25
15-May-17	RNJ	Devils Kitchen		10:15	RNJ-3	24	FALSE	FALSE	2	13	25
15-May-17	RTZV	Killarney	None	14:30	RTZV-1	162	FALSE	FALSE	0	3	21
15-May-17	RTZV	Killarney	None	14:55	RTZV-2	144	FALSE	FALSE	0	3	20
15-May-17	RTZV	Killarney	None	15:25	RTZV-3	132	FALSE	FALSE	1	3	12
16-May-17	RBU	Crystal	Sediment trap basin has been emptied since last year. 30+ years of sediment removed from this location. Lake was also partially drained and refilled as part of this project.	11:31	RBU-1	40	FALSE	FALSE	0	12	7
16-May-17	RBU	Crystal	Sediment trap basin has been emptied since last year. 30+ years of sediment removed from this location. Lake was also partially drained and refilled as part of this project.	11:22	RBU-3	58	FALSE	FALSE	0	8	8.5
16-May-17	RBU	Crystal	Sediment trap basin has been emptied since last year. 30+ years of sediment removed from this location. Lake was also partially drained and refilled as part of this project.	11:15	RBU-7	73	FALSE	FALSE	0	12	10.5
15-May-17	RTZU	Honey	Treated swimming area with diquat and copper sulfatate in the early A.M.	15:13	RTZU-1	98	FALSE	FALSE	0	13	19
15-May-17	RTZU	Honey	Treated swimming area with diquat and copper sulfatate in the early A.M.	15:42	RTZU-2	97	FALSE	FALSE	0	13	20
15-May-17	RTZU	Honey	Treated swimming area with diquat and copper sulfatate in the early A.M.	16:04	RTZU-3	98	FALSE	FALSE	0	13	18
15-May-17	RTZS	Goose		10:10	RTZS-1	44	FALSE	FALSE	0	3	12

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
15-May-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
15-May-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
14-May-17	RGR	Charles		3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	1
14-May-17	RGR	Charles		3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	1
14-May-17	RGR	Charles		3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	1
16-May-17	VTD	Deep		3.00	0	Partly Cloudy	White Caps	SW	Below Normal	2
16-May-17	VTD	Deep		3.00	0	Partly Cloudy	White Caps	SW	Below Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
15-May-17	RTZS	Goose		
15-May-17	RTZS	Goose		
14-May-17	RGR	Charles	Recent warming spell	Caspian tern,frogs singing,mallards,dead 9" catfish,dead 4" crappie,site3 mucky,lots of fry in west bay,new fish feeder installed,dragonflies,moderate algae,geese,12 out of 16 aerators on,odor at site 1; chara, horned pondweed, waterwillow, water iris, pickerel
14-May-17	RGR	Charles	Recent warming spell	Caspian tern,frogs singing,mallards,dead 9" catfish,dead 4" crappie,site3 mucky,lots of fry in west bay,new fish feeder installed,dragonflies,moderate algae,geese,12 out of 16 aerators on,odor at site 1; chara, horned pondweed, waterwillow, water iris, pickerel
14-May-17	RGR	Charles	Recent warming spell	Caspian tern,frogs singing,mallards,dead 9" catfish,dead 4" crappie,site3 mucky,lots of fry in west bay,new fish feeder installed,dragonflies,moderate algae,geese,12 out of 16 aerators on,odor at site 1; chara, horned pondweed, waterwillow, water iris, pickerel
16-May-17	VTD	Deep		Heavy algae Zebra trap=zero Lake temp 68f Heavy waves making secchi readings difficult
16-May-17	VTD	Deep		Heavy algae Zebra trap=zero Lake temp 68f Heavy waves making secchi readings difficult

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
15-May-17	RTZS	Goose		10:15	RTZS-2	46	FALSE	FALSE	0	12	6
15-May-17	RTZS	Goose		10:20	RTZS-3	20	TRUE	FALSE	0	12	1.5
14-May-17	RGR	Charles	18April2017:64 oz. Avast for curly leaf; 2May2017:O2=9.5, no treatment;6May2017: 4 aerators taken offline for repairs; 1-S:8.84pH,72.3F,555ms,277ppm; 1-18:7.49pH,58.3F,670ms,340ppm; 2-S:8.32pH,69.4F,561ms,280ppm; 2-4:8.45pH,68.8F,559ms,279ppm; 3-S:8.63pH,74.7F,563ms,280ppm; 3-3-8.94pH,69.2F,575ms,287ppm;	15:36	RGR-1	58	FALSE	FALSE	0	12	19.5
14-May-17	RGR	Charles	18April2017:64 oz. Avast for curly leaf; 2May2017:O2=9.5, no treatment;6May2017: 4 aerators taken offline for repairs; 1-S:8.84pH,72.3F,555ms,277ppm; 1-18:7.49pH,58.3F,670ms,340ppm; 2-S:8.32pH,69.4F,561ms,280ppm; 2-4:8.45pH,68.8F,559ms,279ppm; 3-S:8.63pH,74.7F,563ms,280ppm; 3-3-8.94pH,69.2F,575ms,287ppm;	14:16	RGR-2	55	FALSE	FALSE	0	12	5.5
14-May-17	RGR	Charles	18April2017:64 oz. Avast for curly leaf; 2May2017:O2=9.5, no treatment;6May2017: 4 aerators taken offline for repairs; 1-S:8.84pH,72.3F,555ms,277ppm; 1-18:7.49pH,58.3F,670ms,340ppm; 2-S:8.32pH,69.4F,561ms,280ppm; 2-4:8.45pH,68.8F,559ms,279ppm; 3-S:8.63pH,74.7F,563ms,280ppm; 3-3-8.94pH,69.2F,575ms,287ppm;	14:54	RGR-3	55	FALSE	FALSE	0	12	5
16-May-17	VTD	Deep		11:30	VTD-1	265	FALSE	FALSE	0	2	49
16-May-17	VTD	Deep		11:55	VTD-2	264	FALSE	FALSE	0	2	35

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
16-May-17	VTD	Deep		3.00	0	Partly Cloudy	White Caps	SW	Below Normal	2
16-May-17	VTD	Deep		3.00	0	Partly Cloudy	White Caps	SW	Below Normal	2
15-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Hazy	Calm/Ripple	W	Normal or Full	0
15-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Hazy	Calm/Ripple	W	Normal or Full	0
15-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Hazy	Calm/Ripple	W	Normal or Full	0
15-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Hazy	Calm/Ripple	W	Normal or Full	0
21-May-17	VTZ	Charlotte	Less Than 5%	4.00	0.25	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
21-May-17	VTZ	Charlotte	Less Than 5%	4.00	0.25	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
05-May-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
05-May-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
05-May-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
22-May-17	RBD	Vermilion	Less Than 5%	4.00	1.7	Sunny	Calm/Ripple	SW	Normal or Full	0
22-May-17	RBD	Vermilion	Less Than 5%	4.00	1.7	Sunny	Calm/Ripple	SW	Normal or Full	0
22-May-17	RBD	Vermilion	Less Than 5%	4.00	1.7	Sunny	Calm/Ripple	SW	Normal or Full	0
22-May-17	RHJA	Chicago Botanic Garden		4.00	0.52	Sunny	Moderate Waves	SW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
16-May-17	VTD	Deep		Heavy algae Zebra trap=zero Lake temp 68f Heavy waves making secchi readings difficult
16-May-17	VTD	Deep		Heavy algae Zebra trap=zero Lake temp 68f Heavy waves making secchi readings difficult
15-May-17	REZL	Twin Oaks	April 2017 one of the warmest (11th) and wettest (1st) month.4th consecutive month (and 18 out of the last 20) with above average temperatures. Jan-April 2017 warmest on record ~5.4 degrees above normal.	Watermeal. Lake appears less turbid.
15-May-17	REZL	Twin Oaks	April 2017 one of the warmest (11th) and wettest (1st) month.4th consecutive month (and 18 out of the last 20) with above average temperatures. Jan-April 2017 warmest on record ~5.4 degrees above normal.	Watermeal. Lake appears less turbid.
15-May-17	REZL	Twin Oaks	April 2017 one of the warmest (11th) and wettest (1st) month.4th consecutive month (and 18 out of the last 20) with above average temperatures. Jan-April 2017 warmest on record ~5.4 degrees above normal.	Watermeal. Lake appears less turbid.
15-May-17	REZL	Twin Oaks	April 2017 one of the warmest (11th) and wettest (1st) month.4th consecutive month (and 18 out of the last 20) with above average temperatures. Jan-April 2017 warmest on record ~5.4 degrees above normal.	Watermeal. Lake appears less turbid.
21-May-17	VTZ	Charlotte	First reading of the year	None noted
21-May-17	VTZ	Charlotte	First reading of the year	None noted
05-May-17	RTZZ	Woods Creek		
05-May-17	RTZZ	Woods Creek		
05-May-17	RTZZ	Woods Creek		
22-May-17	RBD	Vermilion		Lake is brown after rainy Spring. No one is fishing today-unusual.
22-May-17	RBD	Vermilion		Lake is brown after rainy Spring. No one is fishing today-unusual.
22-May-17	RBD	Vermilion		Lake is brown after rainy Spring. No one is fishing today-unusual.
22-May-17	RHJA	Chicago Botanic Garden		CLP, EWM, coontail, lemna minor, P. illinoisensis(?)

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
16-May-17	VTD	Deep		12:40	VTD-3	268	FALSE	FALSE	0	2	38
16-May-17	VTD	Deep		13:05	VTD-4	255	FALSE	FALSE	0	2	25
15-May-17	REZL	Twin Oaks	3 aerators on today and have been on all winter.	15:50	REZL-1	36	FALSE	FALSE	0	8	5
15-May-17	REZL	Twin Oaks	3 aerators on today and have been on all winter.	15:35	REZL-2	36	FALSE	FALSE	0	8	4
15-May-17	REZL	Twin Oaks	3 aerators on today and have been on all winter.	15:20	REZL-3	37	FALSE	FALSE	0	8	4
15-May-17	REZL	Twin Oaks	3 aerators on today and have been on all winter.	15:05	REZL-4	38	FALSE	FALSE	0	2	5
21-May-17	VTZ	Charlotte	Minnow stocking in na couple of weeks	10:30	VTZ-1	94	FALSE	FALSE	0	17	12
21-May-17	VTZ	Charlotte	Minnow stocking in na couple of weeks	11:00	VTZ-2	62	TRUE	FALSE	0	17	5
05-May-17	RTZZ	Woods Creek		11:00	RTZZ-1	40	FALSE	FALSE	0	9	26
05-May-17	RTZZ	Woods Creek		10:45	RTZZ-2	36	FALSE	FALSE	0	11	16
05-May-17	RTZZ	Woods Creek		10:30	RTZZ-3	30	FALSE	FALSE	0	9	6
22-May-17	RBD	Vermilion		11:02	RBD-1	7	FALSE	FALSE	0	0	17.5
22-May-17	RBD	Vermilion		10:47	RBD-2	6	FALSE	FALSE	0	0	11
22-May-17	RBD	Vermilion		10:34	RBD-3	6	FALSE	FALSE	0	0	5
22-May-17	RHJA	Chicago Botanic Garden	Manual cutting of CLP and EWM, raking of filamentous algae. New harvester delivered 5/17/2017	13:30	RHJA-1	30	FALSE	FALSE	0	18	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-May-17	RHJA	Chicago Botanic Garden		4.00	0.52	Sunny	Moderate Waves	SW	Normal or Full	0
22-May-17	RHJA	Chicago Botanic Garden		4.00	0.52	Sunny	Moderate Waves	SW	Normal or Full	0
17-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Above Normal	2.88
17-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Above Normal	2.88
17-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Above Normal	2.88
17-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Above Normal	2.88
17-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Normal or Full	0
17-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Normal or Full	0
17-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Normal or Full	0
17-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Partly Cloudy	White Caps	S	Normal or Full	0
21-May-17	RGR	Charles	Less Than 5%	5.00	0.85	Overcast	Small Waves	W	Above Normal	0.75
21-May-17	RGR	Charles	Less Than 5%	5.00	0.85	Overcast	Small Waves	W	Above Normal	0.75
21-May-17	RGR	Charles	Less Than 5%	5.00	0.85	Overcast	Small Waves	W	Above Normal	0.75
16-May-17	STO	Napa Suwe	51% To 70%	3.00	0.06	Partly Cloudy	Moderate Waves	SE	Above Normal	4
16-May-17	STO	Napa Suwe	51% To 70%	3.00	0.06	Partly Cloudy	Moderate Waves	SE	Above Normal	4
16-May-17	STO	Napa Suwe	51% To 70%	3.00	0.06	Partly Cloudy	Moderate Waves	SE	Above Normal	4
22-May-17	RPJ	Bass		1.00	1	Sunny	Moderate Waves	S	Normal or Full	0
22-May-17	RPJ	Bass		1.00	1	Sunny	Moderate Waves	S	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-May-17	RHJA	Chicago Botanic Garden		CLP, EWM, coontail, lemna minor, P. illinoisensis(?)
22-May-17	RHJA	Chicago Botanic Garden		CLP, EWM, coontail, lemna minor, P. illinoisensis(?)
17-May-17	RDO	Bloomington		
17-May-17	RDO	Bloomington		
17-May-17	RDO	Bloomington		
17-May-17	RDO	Bloomington		
17-May-17	SDA	Evergreen		
17-May-17	SDA	Evergreen		
17-May-17	SDA	Evergreen		
17-May-17	SDA	Evergreen		
21-May-17	RGR	Charles	quite cool recently	horned pondweed;oil sheen at west end inlet;terns; great blue heron;mallards;kayakers;fishermen at beach
21-May-17	RGR	Charles	quite cool recently	horned pondweed;oil sheen at west end inlet;terns; great blue heron;mallards;kayakers;fishermen at beach
21-May-17	RGR	Charles	quite cool recently	horned pondweed;oil sheen at west end inlet;terns; great blue heron;mallards;kayakers;fishermen at beach
16-May-17	STO	Napa Suwe	The amount of aquatic plants in the Lake is significantly higher than at the end of last Oct.	Some filamentous algae noted along the southwest shoreline.
16-May-17	STO	Napa Suwe	The amount of aquatic plants in the Lake is significantly higher than at the end of last Oct.	Some filamentous algae noted along the southwest shoreline.
16-May-17	STO	Napa Suwe	The amount of aquatic plants in the Lake is significantly higher than at the end of last Oct.	Some filamentous algae noted along the southwest shoreline.
22-May-17	RPJ	Bass	Heavy rains through April & first part of May.	38 Canada geese noted on lake during monitoring. Filamentous Algae present along some shorelines.
22-May-17	RPJ	Bass	Heavy rains through April & first part of May.	38 Canada geese noted on lake during monitoring. Filamentous Algae present along some shorelines.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-May-17	RHJA	Chicago Botanic Garden	Manual cutting of CLP and EWM, raking of filamentous algae. New harvester delivered 5/17/2017	12:55	RHJA-2	72	FALSE	FALSE	0	17	13.5
22-May-17	RHJA	Chicago Botanic Garden	Manual cutting of CLP and EWM, raking of filamentous algae. New harvester delivered 5/17/2017	12:35	RHJA-3	75	FALSE	FALSE	0	17	12.5
17-May-17	RDO	Bloomington		10:20	RDO-1	36	FALSE	FALSE	0	9	32
17-May-17	RDO	Bloomington		10:35	RDO-2	36	FALSE	FALSE	0	9	32
17-May-17	RDO	Bloomington		10:50	RDO-3	16	FALSE	FALSE	0	15	12
17-May-17	RDO	Bloomington		11:05	RDO-4	28	FALSE	FALSE	0	9	12
17-May-17	SDA	Evergreen		09:15	SDA-1	48	FALSE	FALSE	0	8	50
17-May-17	SDA	Evergreen		09:40	SDA-2	26	FALSE	FALSE	0	15	12
17-May-17	SDA	Evergreen		09:30	SDA-3	42	FALSE	FALSE	0	8	35
17-May-17	SDA	Evergreen		09:50	SDA-4	22	FALSE	FALSE	0	15	12
21-May-17	RGR	Charles	16May2017:8 gals black onyx,40lbs copper sulfate, 6.9DO; 1-S:8.48pH,63.4F,587ms,295ppm; 2-S:8.54pH,64.0F,599ms,299ppm; 3-S:8.64pH,62.7F,589ms,294ppm;	12:45	RGR-1	44	FALSE	FALSE	0	12	19
21-May-17	RGR	Charles	16May2017:8 gals black onyx,40lbs copper sulfate, 6.9DO; 1-S:8.48pH,63.4F,587ms,295ppm; 2-S:8.54pH,64.0F,599ms,299ppm; 3-S:8.64pH,62.7F,589ms,294ppm;	11:40	RGR-2	47	FALSE	FALSE	0	12	6
21-May-17	RGR	Charles	16May2017:8 gals black onyx,40lbs copper sulfate, 6.9DO; 1-S:8.48pH,63.4F,587ms,295ppm; 2-S:8.54pH,64.0F,599ms,299ppm; 3-S:8.64pH,62.7F,589ms,294ppm;	12:10	RGR-3	42	FALSE	FALSE	0	13	5
16-May-17	STO	Napa Suwe	No activity over the winter & early spring.	13:48	STO-1	49	TRUE	FALSE	2	12	4
16-May-17	STO	Napa Suwe	No activity over the winter & early spring.	14:08	STO-2	33	FALSE	TRUE	4	12	3.5
16-May-17	STO	Napa Suwe	No activity over the winter & early spring.	14:30	STO-3	55	TRUE	FALSE	3	12	4.5
22-May-17	RPJ	Bass	SolarBee Circulator in operation through winter. Aquatic weed harvester out on 5/17/17 for the day picking up filamentous algae mats.	10:30	RPJ-1	56	FALSE	FALSE	0	12	12
22-May-17	RPJ	Bass	SolarBee Circulator in operation through winter. Aquatic weed harvester out on 5/17/17 for the day picking up filamentous algae mats.	10:45	RPJ-2	60	FALSE	FALSE	0	12	6.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-May-17	RPJ	Bass		1.00	1	Sunny	Moderate Waves	S	Normal or Full	0
22-May-17	RPM	Woodhaven		1.00	1	Sunny	Moderate Waves	S	Normal or Full	0
22-May-17	RPM	Woodhaven		1.00	1	Sunny	Moderate Waves	S	Normal or Full	0
22-May-17	RPM	Woodhaven		1.00	1	Sunny	Moderate Waves	S	Normal or Full	0
24-May-17	RGW	Third	No Selection	2.00	0.48	Overcast	Moderate Waves	N	Above Normal	6
24-May-17	RGW	Third	No Selection	2.00	0.48	Overcast	Moderate Waves	N	Above Normal	6
24-May-17	RGW	Third	No Selection	2.00	0.48	Overcast	Moderate Waves	N	Above Normal	6
13-May-17	REE	Dawson	No Selection	2.00	0	Sunny	Calm/Ripple	W	Above Normal	0
13-May-17	REE	Dawson	No Selection	2.00	0	Sunny	Calm/Ripple	W	Above Normal	0
13-May-17	REE	Dawson	No Selection	2.00	0	Sunny	Calm/Ripple	W	Above Normal	0
22-May-17	REE	Dawson	Less Than 5%	1.00	1.5	Sunny	Small Waves	SW	Above Normal	1.5
22-May-17	REE	Dawson	Less Than 5%	1.00	1.5	Sunny	Small Waves	SW	Above Normal	1.5
22-May-17	REE	Dawson	Less Than 5%	1.00	1.5	Sunny	Small Waves	SW	Above Normal	1.5
23-May-17	RNC	Kinkaid	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	0.3
23-May-17	RNC	Kinkaid	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	0.3
23-May-17	RNC	Kinkaid	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	0.3
23-May-17	RNC	Kinkaid	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	0.3
23-May-17	RND	Murphysboro	Less Than 5%	0.50	0	Overcast	Calm/Ripple	SW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-May-17	RPJ	Bass	Heavy rains through April & first part of May.	38 Canada geese noted on lake during monitoring. Filamentous Algae present along some shorelines.
22-May-17	RPM	Woodhaven	Heavy rains through April & first part of May.	Noted approximately 30 Canada geese on shorelines. Curlyleaf Pondweed, Coontail, Milfoil sp., Chara sp., other pondweed species
22-May-17	RPM	Woodhaven	Heavy rains through April & first part of May.	Noted approximately 30 Canada geese on shorelines. Curlyleaf Pondweed, Coontail, Milfoil sp., Chara sp., other pondweed species
22-May-17	RPM	Woodhaven	Heavy rains through April & first part of May.	Noted approximately 30 Canada geese on shorelines. Curlyleaf Pondweed, Coontail, Milfoil sp., Chara sp., other pondweed species
24-May-17	RGW	Third		
24-May-17	RGW	Third		
24-May-17	RGW	Third		
13-May-17	REE	Dawson	Wind at 5 mph	
13-May-17	REE	Dawson	Wind at 5 mph	
13-May-17	REE	Dawson	Wind at 5 mph	
22-May-17	REE	Dawson	Heavy rain yeserday	wind sw @ 15 water temp 67
22-May-17	REE	Dawson	Heavy rain yeserday	wind sw @ 15 water temp 67
22-May-17	REE	Dawson	Heavy rain yeserday	wind sw @ 15 water temp 67
23-May-17	RNC	Kinkaid	None	None
23-May-17	RNC	Kinkaid	None	None
23-May-17	RNC	Kinkaid	None	None
23-May-17	RNC	Kinkaid	None	None
23-May-17	RND	Murphysboro	None	None

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-May-17	RPJ	Bass	SolarBee Circulator in operation through winter. Aquatic weed harvester out on 5/17/17 for the day picking up filamentous algae mats.	10:58	RPJ-3	42	TRUE	FALSE	0	12	3.5
22-May-17	RPM	Woodhaven	Water circulator in operation on the lake through winter months.	09:10	RPM-1	132	FALSE	FALSE	0	13	24
22-May-17	RPM	Woodhaven	Water circulator in operation on the lake through winter months.	09:46	RPM-2	132	FALSE	FALSE	0	13	11.5
22-May-17	RPM	Woodhaven	Water circulator in operation on the lake through winter months.	09:30	RPM-3	108	TRUE	FALSE	0	13	9
24-May-17	RGW	Third		13:52	RGW-1	98	FALSE	FALSE	-1	19	66
24-May-17	RGW	Third		14:04	RGW-2	101	FALSE	FALSE	-1	19	27.5
24-May-17	RGW	Third		14:11	RGW-3	72	TRUE	FALSE	-1	19	6
13-May-17	REE	Dawson		11:50	REE-1	72	FALSE	FALSE	0	17	23.5
13-May-17	REE	Dawson		11:40	REE-2	96	FALSE	FALSE	0	2	12.5
13-May-17	REE	Dawson		11:20	REE-3	66	FALSE	FALSE	0	7	6.5
22-May-17	REE	Dawson		11:49	REE-1	76	FALSE	FALSE	0	17	24
22-May-17	REE	Dawson		11:40	REE-2	66	FALSE	FALSE	0	7	12.5
22-May-17	REE	Dawson		11:28	REE-3	61	FALSE	FALSE	0	17	6.5
23-May-17	RNC	Kinkaid	None	14:47	RNC-1	44	FALSE	FALSE	0	13	58
23-May-17	RNC	Kinkaid	None	14:20	RNC-2	35	FALSE	FALSE	0	13	41
23-May-17	RNC	Kinkaid	None	14:00	RNC-3	28	FALSE	FALSE	0	13	28
23-May-17	RNC	Kinkaid	None	15:22	RNC-9	47	FALSE	FALSE	0	12	23
23-May-17	RND	Murphysboro	None	16:10	RND-1	21	FALSE	FALSE	0	13	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
25-May-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Above Normal	3
25-May-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Above Normal	3
25-May-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Above Normal	3
24-May-17	RTZS	Goose	Less Than 5%	3.00	0.56	Overcast	Calm/Ripple	N	Normal or Full	0
24-May-17	RTZS	Goose	Less Than 5%	3.00	0.56	Overcast	Calm/Ripple	N	Normal or Full	0
24-May-17	RTZS	Goose	Less Than 5%	3.00	0.56	Overcast	Calm/Ripple	N	Normal or Full	0
25-May-17	RDF	Otter	Less Than 5%	6.00	0.5	Partly Cloudy	Calm/Ripple	W	Above Normal	4
25-May-17	RDF	Otter	Less Than 5%	6.00	0.5	Partly Cloudy	Calm/Ripple	W	Above Normal	4
25-May-17	RDF	Otter	Less Than 5%	6.00	0.5	Partly Cloudy	Calm/Ripple	W	Above Normal	4
25-May-17	RDF	Otter	Less Than 5%	6.00	0.5	Partly Cloudy	Calm/Ripple	W	Above Normal	4
25-May-17	SEB	Bird's Pond	Less Than 5%	2.00	0.1	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
25-May-17	SEB	Bird's Pond	Less Than 5%	2.00	0.1	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
29-May-17	RTW	Silver		4.00	0.2	Sunny	Moderate Waves	W	Above Normal	1.5
29-May-17	RTW	Silver		4.00	0.2	Sunny	Moderate Waves	W	Above Normal	1.5
29-May-17	RTW	Silver		4.00	0.2	Sunny	Moderate Waves	W	Above Normal	1.5
30-May-17	VDE	Catatoga	Less Than 5%	2.40	0	Sunny	Small Waves	W	Above Normal	1
30-May-17	VDE	Catatoga	Less Than 5%	2.40	0	Sunny	Small Waves	W	Above Normal	1
15-May-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	5
15-May-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	5
22-May-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
25-May-17	RJZK	Gamlin	lots of rain this spring	had 60% spirogyra algae up to 3 weeks ago and now clear but some bubble blue/green algae but lake looks and smells great now
25-May-17	RJZK	Gamlin	lots of rain this spring	had 60% spirogyra algae up to 3 weeks ago and now clear but some bubble blue/green algae but lake looks and smells great now
25-May-17	RJZK	Gamlin	lots of rain this spring	had 60% spirogyra algae up to 3 weeks ago and now clear but some bubble blue/green algae but lake looks and smells great now
24-May-17	RTZS	Goose		
24-May-17	RTZS	Goose		
24-May-17	RTZS	Goose		
25-May-17	RDF	Otter		
25-May-17	RDF	Otter		
25-May-17	RDF	Otter		
25-May-17	RDF	Otter		
25-May-17	SEB	Bird's Pond	much rain in past two weeks, runoff made pond turn brown	NO2/NO3-0 ppm, pH-8, ALK-180 ppm, TH-180 ppm, PO4- 50 ppb= 0.05 ppm
25-May-17	SEB	Bird's Pond	much rain in past two weeks, runoff made pond turn brown	NO2/NO3-0 ppm, pH-8, ALK-180 ppm, TH-180 ppm, PO4- 50 ppb= 0.05 ppm
29-May-17	RTW	Silver	Cool, wet, and windy	Beaver sighting, boating, fishing, ducks, geese.
29-May-17	RTW	Silver	Cool, wet, and windy	Beaver sighting, boating, fishing, ducks, geese.
29-May-17	RTW	Silver	Cool, wet, and windy	Beaver sighting, boating, fishing, ducks, geese.
30-May-17	VDE	Catatoga		Busy Memorial Weekend for Boating. New home construction times 2 since last year. Nearby farm fields rcently planted with corn.
30-May-17	VDE	Catatoga		Busy Memorial Weekend for Boating. New home construction times 2 since last year. Nearby farm fields rcently planted with corn.
15-May-17	RNI	Carbondale		
15-May-17	RNI	Carbondale		
22-May-17	RNI	Carbondale		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
25-May-17	RJZK	Gamlin	added 1 cup CuSO4 2 weeks ago and added 15 grass Carp last month	17:00	RJZK-1	72	FALSE	FALSE	1	12	7
25-May-17	RJZK	Gamlin	added 1 cup CuSO4 2 weeks ago and added 15 grass Carp last month	17:20	RJZK-2	70	FALSE	FALSE	1	12	7.5
25-May-17	RJZK	Gamlin	added 1 cup CuSO4 2 weeks ago and added 15 grass Carp last month	17:30	RJZK-3	74	FALSE	FALSE	1	12	8
24-May-17	RTZS	Goose		11:45	RTZS-1	26	FALSE	FALSE	0	12	10.5
24-May-17	RTZS	Goose		12:00	RTZS-2	24	FALSE	FALSE	0	12	6
24-May-17	RTZS	Goose		12:05	RTZS-3	18	FALSE	FALSE	0	12	2.5
25-May-17	RDF	Otter		09:27	RDF-1	71	FALSE	FALSE	0	12	49.5
25-May-17	RDF	Otter		09:55	RDF-2	53	FALSE	FALSE	0	12	29
25-May-17	RDF	Otter		10:45	RDF-3	20	FALSE	FALSE	0	12	8.5
25-May-17	RDF	Otter		10:18	RDF-4	24	FALSE	FALSE	0	12	29
25-May-17	SEB	Bird's Pond	DO meter is broken, practically no stratification with temps ranging from 19C at the bottom to 21C at the surface, 3 diffusers working great on aeration system, one needs help	09:30	SEB-1	24	FALSE	FALSE	0	17	12.5
25-May-17	SEB	Bird's Pond	DO meter is broken, practically no stratification with temps ranging from 19C at the bottom to 21C at the surface, 3 diffusers working great on aeration system, one needs help	9:50	SEB-2	23	FALSE	FALSE	0	17	8.5
29-May-17	RTW	Silver	No aeration. Surface Temp = 67.5 F D.O.= 10.1 Bottom Temp = 63.3 F D.O.= 10.2	09:50	RTW-1	168	FALSE	FALSE	0	12	16
29-May-17	RTW	Silver	No aeration. Surface Temp = 67.5 F D.O.= 10.1 Bottom Temp = 63.3 F D.O.= 10.2	10:14	RTW-2	108	TRUE	FALSE	2	12	9
29-May-17	RTW	Silver	No aeration. Surface Temp = 67.5 F D.O.= 10.1 Bottom Temp = 63.3 F D.O.= 10.2	10:31	RTW-3	60	TRUE	FALSE	3	12	5
30-May-17	VDE	Catatoga		10:25	VDE-1	56	FALSE	FALSE	0	17	48
30-May-17	VDE	Catatoga		11:00	VDE-2	63	FALSE	FALSE	0	17	32
15-May-17	RNI	Carbondale	Site 3 too shallow	13:00	RNI-1	13	FALSE	FALSE	0	13	10
15-May-17	RNI	Carbondale	Site 3 too shallow	13:14	RNI-2	12	FALSE	FALSE	0	12	8.5
22-May-17	RNI	Carbondale	Site 3 too shallow	07:54	RNI-1	15	FALSE	FALSE	0	12	12

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-May-17	RNI	Carbondale	Site 3 too shallow	08:05	RNI-2	13	FALSE	FALSE	0	12	8
24-May-17	SNA	Chautauqua		16:05	SNA-1	17	FALSE	FALSE	0	13	18
24-May-17	SNA	Chautauqua		15:55	SNA-2	16	FALSE	FALSE	0	13	15
24-May-17	SNA	Chautauqua		15:45	SNA-3	13	TRUE	FALSE	0	12	1
12-May-17	RAL	Lake of Egypt		13:55	RAL-1	60	FALSE	FALSE	0	12	37
12-May-17	RAL	Lake of Egypt		14:15	RAL-2	70	FALSE	FALSE	0	12	33
12-May-17	RAL	Lake of Egypt		14:30	RAL-3	48	FALSE	FALSE	0	13	10
17-May-17	RAL	Lake of Egypt		09:52	RAL-1	60	FALSE	FALSE	0	12	37
17-May-17	RAL	Lake of Egypt		10:15	RAL-2	48	FALSE	FALSE	0	12	33
17-May-17	RAL	Lake of Egypt		10:30	RAL-3	54	FALSE	FALSE	0	13	10
07-May-17	RNZO	New Thompson		11:30	RNZO-1	78	FALSE	FALSE	0	1	18
07-May-17	RNZO	New Thompson		11:40	RNZO-2	68	FALSE	FALSE	0	1	8
07-May-17	RNZO	New Thompson		11:42	RNZO-3	66	FALSE	FALSE	0	1	7
10-May-17	RNZG	Spring Arbor		13:00	RNZG-1	31	FALSE	FALSE	0	12	38.5
10-May-17	RNZG	Spring Arbor		12:45	RNZG-2	29	FALSE	FALSE	0	2	26.5
10-May-17	RNZG	Spring Arbor		13:15	RNZG-3	30	FALSE	FALSE	0	12	23
10-May-17	RNZG	Spring Arbor		12:40	RNZG-4	29	FALSE	FALSE	0	12	7
11-May-17	RNE	Cedar		09:25	RNE-1	38	FALSE	FALSE	0	12	44
11-May-17	RNE	Cedar		10:20	RNE-2	30	FALSE	FALSE	0	13	36
11-May-17	RNE	Cedar		10:54	RNE-3	22	FALSE	FALSE	0	13	36
11-May-17	RNE	Cedar		11:15	RNE-4	25	FALSE	FALSE	0	13	19
11-May-17	RNE	Cedar		11:57	RNE-5	32	FALSE	FALSE	0	12	41
11-May-17	RNE	Cedar		12:23	RNE-7	28	FALSE	FALSE	0	12	12
11-May-17	RNE	Cedar		12:42	RNE-9	28	FALSE	FALSE	0	12	12
22-May-17	RNE	Cedar		13:45	RNE-1	63	FALSE	FALSE	0	15	45
22-May-17	RNE	Cedar		14:16	RNE-2	55	FALSE	FALSE	0	15	45
22-May-17	RNE	Cedar		14:47	RNE-3	49	FALSE	FALSE	0	12	19
22-May-17	RNE	Cedar		15:10	RNE-4	41	FALSE	FALSE	0	12	15
22-May-17	RNE	Cedar		15:45	RNE-5	50	FALSE	FALSE	0	13	40
22-May-17	RNE	Cedar		16:08	RNE-7	50	FALSE	FALSE	0	12	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-May-17	RNE	Cedar	Less Than 5%	12.00	0	Sunny	Moderate Waves	S	Above Normal	6
09-May-17	RNC	Kinkaid	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Above Normal	0
09-May-17	RNC	Kinkaid	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Above Normal	0
09-May-17	RNC	Kinkaid	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Above Normal	0
09-May-17	RNC	Kinkaid	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Above Normal	0
08-May-17	RNZI	Miller	Less Than 5%	8.00	0	Sunny	Calm/Ripple	NE	Above Normal	1
08-May-17	RNZI	Miller	Less Than 5%	8.00	0	Sunny	Calm/Ripple	NE	Above Normal	1
08-May-17	RNZI	Miller	Less Than 5%	8.00	0	Sunny	Calm/Ripple	NE	Above Normal	1
16-May-17	RNZI	Miller	Less Than 5%	6.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
16-May-17	RNZI	Miller	Less Than 5%	6.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
16-May-17	RNZI	Miller	Less Than 5%	6.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
31-May-17	STJ	Campton	Less Than 5%	3.00	0	Sunny	Small Waves	W	Above Normal	1
31-May-17	STJ	Campton	Less Than 5%	3.00	0	Sunny	Small Waves	W	Above Normal	1
31-May-17	STJ	Campton	Less Than 5%	3.00	0	Sunny	Small Waves	W	Above Normal	1
31-May-17	RTZV	Killarney	51% To 70%	4.00	0.12	Sunny	Small Waves	W	Normal or Full	0
31-May-17	RTZV	Killarney	51% To 70%	4.00	0.12	Sunny	Small Waves	W	Normal or Full	0
31-May-17	RTZV	Killarney	51% To 70%	4.00	0.12	Sunny	Small Waves	W	Normal or Full	0
31-May-17	RGW	Third	No Selection	2.00	0.05	Partly Cloudy	Small Waves	W	Above Normal	0
31-May-17	RGW	Third	No Selection	2.00	0.05	Partly Cloudy	Small Waves	W	Above Normal	0
31-May-17	RGW	Third	No Selection	2.00	0.05	Partly Cloudy	Small Waves	W	Above Normal	0
30-May-17	RBU	Crystal	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	2
30-May-17	RBU	Crystal	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	2
30-May-17	RBU	Crystal	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	2
15-May-17	RGU	Loch Lomond	Less Than 5%	5.00	0	Overcast	Calm/Ripple	NE	Normal or Full	0
15-May-17	RGU	Loch Lomond	Less Than 5%	5.00	0	Overcast	Calm/Ripple	NE	Normal or Full	0
15-May-17	RGU	Loch Lomond	Less Than 5%	5.00	0	Overcast	Calm/Ripple	NE	Normal or Full	0
30-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	SW	Above Normal	2.88
30-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	SW	Above Normal	2.88
30-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	SW	Above Normal	2.88
30-May-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	SW	Above Normal	2.88
30-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0.96
30-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0.96
30-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0.96
30-May-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0.96
15-May-17	WGZY	Swan	Less Than 5%	2.00	0	Sunny	Calm/Ripple	E	Above Normal	19.9
15-May-17	WGZY	Swan	Less Than 5%	2.00	0	Sunny	Calm/Ripple	E	Above Normal	19.9

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-May-17	RNE	Cedar		
09-May-17	RNC	Kinkaid		
09-May-17	RNC	Kinkaid		
09-May-17	RNC	Kinkaid		
09-May-17	RNC	Kinkaid		
08-May-17	RNZI	Miller	14 inches of rain in the last 12 days	
08-May-17	RNZI	Miller	14 inches of rain in the last 12 days	
08-May-17	RNZI	Miller	14 inches of rain in the last 12 days	
16-May-17	RNZI	Miller		62 degrees, eagle by spillway
16-May-17	RNZI	Miller		62 degrees, eagle by spillway
16-May-17	RNZI	Miller		62 degrees, eagle by spillway
31-May-17	STJ	Campton	Rainy spring / above average rainfall	curlyleaf pondweed
31-May-17	STJ	Campton	Rainy spring / above average rainfall	curlyleaf pondweed
31-May-17	STJ	Campton	Rainy spring / above average rainfall	curlyleaf pondweed
31-May-17	RTZV	Killarney	High winds past few days	None
31-May-17	RTZV	Killarney	High winds past few days	None
31-May-17	RTZV	Killarney	High winds past few days	None
31-May-17	RGW	Third		
31-May-17	RGW	Third		
31-May-17	RGW	Third		
30-May-17	RBU	Crystal		
30-May-17	RBU	Crystal		
30-May-17	RBU	Crystal		
15-May-17	RGU	Loch Lomond		
15-May-17	RGU	Loch Lomond		
15-May-17	RGU	Loch Lomond		
30-May-17	RDO	Bloomington		
30-May-17	RDO	Bloomington		
30-May-17	RDO	Bloomington		
30-May-17	RDO	Bloomington		
30-May-17	SDA	Evergreen		
30-May-17	SDA	Evergreen		
30-May-17	SDA	Evergreen		
30-May-17	SDA	Evergreen		
15-May-17	WGZY	Swan		Holly Hudson and Kelsey Pudlock from CMAP on site for annual Tier 3 training. Some algae present.
15-May-17	WGZY	Swan		Holly Hudson and Kelsey Pudlock from CMAP on site for annual Tier 3 training. Some algae present.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-May-17	RNE	Cedar		16:21	RNE-9	50	FALSE	FALSE	0	13	8
09-May-17	RNC	Kinkaid		09:56	RNC-1	25	FALSE	FALSE	0	13	59
09-May-17	RNC	Kinkaid		09:26	RNC-2	11	FALSE	FALSE	0	13	40
09-May-17	RNC	Kinkaid		08:53	RNC-3	10	FALSE	FALSE	0	13	27
09-May-17	RNC	Kinkaid		10:50	RNC-9	23	FALSE	FALSE	0	13	24
08-May-17	RNZI	Miller		09:29	RNZI-1	28	FALSE	FALSE	0	12	22
08-May-17	RNZI	Miller		09:53	RNZI-2	22	FALSE	FALSE	0	12	10
08-May-17	RNZI	Miller		10:06	RNZI-3	12	FALSE	FALSE	0	12	5
16-May-17	RNZI	Miller		07:00	RNZI-1	36	FALSE	FALSE	0	12	22
16-May-17	RNZI	Miller		07:20	RNZI-2	34	FALSE	FALSE	0	12	11
16-May-17	RNZI	Miller		07:32	RNZI-3	24	FALSE	FALSE	0	12	5
31-May-17	STJ	Campton		10:40	STJ-1	15	FALSE	FALSE	0	14	8
31-May-17	STJ	Campton		10:52	STJ-2	13	FALSE	FALSE	1	12	3.5
31-May-17	STJ	Campton		11:04	STJ-3	13	FALSE	FALSE	1	13	2.5
31-May-17	RTZV	Killarney	Aquatic plant control applied 05/31/2017	11:10	RTZV-1	174	FALSE	FALSE	0	3	22
31-May-17	RTZV	Killarney	Aquatic plant control applied 05/31/2017	11:40	RTZV-2	171	FALSE	FALSE	0	3	19
31-May-17	RTZV	Killarney	Aquatic plant control applied 05/31/2017	12:00	RTZV-3	120	FALSE	FALSE	3	3	11.5
31-May-17	RGW	Third		14:50	RGW-1	108	FALSE	FALSE	-1	12	40
31-May-17	RGW	Third		15:06	RGW-2	122	FALSE	FALSE	-1	12	25
31-May-17	RGW	Third		15:21	RGW-3	123	FALSE	FALSE	-1	12	17
30-May-17	RBU	Crystal		13:08	RBU-1	42	FALSE	FALSE	0	13	5.5
30-May-17	RBU	Crystal		13:02	RBU-3	60	FALSE	FALSE	0	12	8.5
30-May-17	RBU	Crystal		12:52	RBU-7	58	FALSE	FALSE	0	12	10
15-May-17	RGU	Loch Lomond		15:00	RGU-1	90	TRUE	FALSE	0	17	7.5
15-May-17	RGU	Loch Lomond		15:15	RGU-2	78	FALSE	FALSE	0	17	7.5
15-May-17	RGU	Loch Lomond		15:30	RGU-3	54	TRUE	FALSE	0	17	4.5
30-May-17	RDO	Bloomington		10:40	RDO-1	37	FALSE	FALSE	0	7	32
30-May-17	RDO	Bloomington		10:55	RDO-2	44	FALSE	FALSE	0	8	32
30-May-17	RDO	Bloomington		11:10	RDO-3	32	FALSE	FALSE	0	7	12
30-May-17	RDO	Bloomington		11:30	RDO-4	28	FALSE	FALSE	0	6	15
30-May-17	SDA	Evergreen		09:25	SDA-1	60	FALSE	FALSE	0	17	42
30-May-17	SDA	Evergreen		09:55	SDA-2	46	FALSE	FALSE	0	7	10
30-May-17	SDA	Evergreen		10:05	SDA-3	26	FALSE	FALSE	0	9	12
30-May-17	SDA	Evergreen		09:40	SDA-4	58	FALSE	FALSE	0	17	32
15-May-17	WGZY	Swan	Summer aeration system running.	13:30	WGZY-1	147	FALSE	FALSE	0	12	14
15-May-17	WGZY	Swan	Summer aeration system running.	12:45	WGZY-2	146	FALSE	FALSE	0	12	13

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
31-May-17	WGZY	Swan	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Above Normal	17.3
31-May-17	WGZY	Swan	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Above Normal	17.3
07-May-17	RGP	Minear	No Selection	#VALUE!	0	Sunny	Moderate Waves	NW	No Selection	0
07-May-17	RGP	Minear	No Selection	#VALUE!	0	Sunny	Moderate Waves	NW	No Selection	0
07-May-17	RGP	Minear	No Selection	#VALUE!	0	Sunny	Moderate Waves	NW	No Selection	0
07-May-17	RGP	Minear	No Selection	#VALUE!	0	Sunny	Moderate Waves	NW	No Selection	0
23-May-17	RGP	Minear	51% To 70%	1.00	3.02	Partly Cloudy	Small Waves	SW	Normal or Full	0
23-May-17	RGP	Minear	51% To 70%	1.00	3.02	Partly Cloudy	Small Waves	SW	Normal or Full	0
23-May-17	RGP	Minear	51% To 70%	1.00	3.02	Partly Cloudy	Small Waves	SW	Normal or Full	0
23-May-17	RGP	Minear	51% To 70%	1.00	3.02	Partly Cloudy	Small Waves	SW	Normal or Full	0
15-May-17	RTZQ	Timber	Greater than 70%	1.50	0	Partly Cloudy	Small Waves	SW	No Selection	0
15-May-17	RTZQ	Timber	Greater than 70%	1.50	0	Partly Cloudy	Small Waves	SW	No Selection	0
15-May-17	RTZQ	Timber	Greater than 70%	1.50	0	Partly Cloudy	Small Waves	SW	No Selection	0
15-May-17	RTZQ	Timber	Greater than 70%	1.50	0	Partly Cloudy	Small Waves	SW	No Selection	0
15-May-17	RTZQ	Timber	Greater than 70%	1.50	0	Partly Cloudy	Small Waves	SW	No Selection	0
10-May-17	RGU	Loch Lomond	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Normal or Full	0
10-May-17	RGU	Loch Lomond	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Normal or Full	0
10-May-17	RGU	Loch Lomond	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Normal or Full	0
26-May-17	VTZJ	Louise	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NONE	Above Normal	2
26-May-17	VTZJ	Louise	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NONE	Above Normal	2
26-May-17	VTZJ	Louise	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NONE	Above Normal	2
01-Jun-17	RBD	Vermilion	Less Than 5%	6.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
01-Jun-17	RBD	Vermilion	Less Than 5%	6.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
31-May-17	WGZY	Swan	None	Some algae
31-May-17	WGZY	Swan	None	Some algae
07-May-17	RGP	Minear	-Last Oct. -See level	filamentous algae
07-May-17	RGP	Minear	-Last Oct. -See level	filamentous algae
07-May-17	RGP	Minear	-Last Oct. -See level	filamentous algae
07-May-17	RGP	Minear	-Last Oct. -See level	filamentous algae
23-May-17	RGP	Minear	slightly fewer weeds and algae	
23-May-17	RGP	Minear	slightly fewer weeds and algae	
23-May-17	RGP	Minear	slightly fewer weeds and algae	
23-May-17	RGP	Minear	slightly fewer weeds and algae	
15-May-17	RTZQ	Timber		
15-May-17	RTZQ	Timber		
15-May-17	RTZQ	Timber		
15-May-17	RTZQ	Timber		
15-May-17	RTZQ	Timber		
10-May-17	RGU	Loch Lomond		
10-May-17	RGU	Loch Lomond		
10-May-17	RGU	Loch Lomond		
26-May-17	VTZJ	Louise		
26-May-17	VTZJ	Louise		
26-May-17	VTZJ	Louise		
01-Jun-17	RBD	Vermilion		
01-Jun-17	RBD	Vermilion		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
31-May-17	WGZY	Swan	Summer Aeration System Running	10:45	WGZY-1	75	FALSE	FALSE	0	13	13
31-May-17	WGZY	Swan	Summer Aeration System Running	10:20	WGZY-2	75	FALSE	FALSE	0	13	11
07-May-17	RGP	Minear	Sonar applied May 2016 and will be applied again in 2017	10:15	RGP-1	132	FALSE	TRUE	3	8	15
07-May-17	RGP	Minear	Sonar applied May 2016 and will be applied again in 2017	10:00	RGP-2	168	FALSE	TRUE	2	11	15.5
07-May-17	RGP	Minear	Sonar applied May 2016 and will be applied again in 2017	10:30	RGP-3	156	FALSE	TRUE	1	10	20
07-May-17	RGP	Minear	Sonar applied May 2016 and will be applied again in 2017	10:45	RGP-4	84	FALSE	TRUE	4	7	15
23-May-17	RGP	Minear	12 May 2017 - sonar weed app- location: McCloud aquatic	08:45	RGP-1	140	FALSE	TRUE	2	7	15
23-May-17	RGP	Minear	12 May 2017 - sonar weed app- location: McCloud aquatic	08:30	RGP-2	175	FALSE	TRUE	1	17	15.5
23-May-17	RGP	Minear	12 May 2017 - sonar weed app- location: McCloud aquatic	09:00	RGP-3	164	FALSE	TRUE	1	7	20
23-May-17	RGP	Minear	12 May 2017 - sonar weed app- location: McCloud aquatic	09:15	RGP-4	95	FALSE	TRUE	3	17	15
15-May-17	RTZQ	Timber	We have a weed harvester that we worked with last year.	16:15	RTZQ-1	46	FALSE	FALSE	1	12	13.5
15-May-17	RTZQ	Timber	We have a weed harvester that we worked with last year.	16:55	RTZQ-2	40	FALSE	FALSE	3	12	10.5
15-May-17	RTZQ	Timber	We have a weed harvester that we worked with last year.	16:40	RTZQ-3	36	FALSE	FALSE	3	13	7
15-May-17	RTZQ	Timber	We have a weed harvester that we worked with last year.	17:10	RTZQ-4	42	FALSE	FALSE	4	13	7
15-May-17	RTZQ	Timber	We have a weed harvester that we worked with last year.	16:30	RTZQ-5	40	FALSE	FALSE	4	13	6
10-May-17	RGU	Loch Lomond		13:49	RGU-1	90	TRUE	FALSE	-1	19	8.5
10-May-17	RGU	Loch Lomond		14:01	RGU-2	65	FALSE	FALSE	-1	18	8
10-May-17	RGU	Loch Lomond		13:35	RGU-3	52	TRUE	FALSE	-1	19	4.5
26-May-17	VTZJ	Louise	Algae treatment: 5/22, 5/15	13:03	VTZJ-1	11	FALSE	FALSE	0	12	5.5
26-May-17	VTZJ	Louise	Algae treatment: 5/22, 5/15	13:07	VTZJ-2	10	FALSE	FALSE	0	12	4.5
26-May-17	VTZJ	Louise	Algae treatment: 5/22, 5/15	13:15	VTZJ-3	16	FALSE	FALSE	0	12	5
01-Jun-17	RBD	Vermilion	Rip rap project on private property near causeway.	12:23	RBD-1	8	FALSE	FALSE	0	0	16.5
01-Jun-17	RBD	Vermilion	Rip rap project on private property near causeway.	12:08	RBD-2	11	FALSE	FALSE	0	0	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
01-Jun-17	RBD	Vermilion	Less Than 5%	6.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
30-May-17	STM	La Fox Pond		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	4
30-May-17	STM	La Fox Pond		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	4
30-May-17	STM	La Fox Pond		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	4
02-Jun-17	RPZI	Richardson Wildlife		1.50	0	Sunny	Calm/Ripple	S	Normal or Full	0
02-Jun-17	RPZI	Richardson Wildlife		1.50	0	Sunny	Calm/Ripple	S	Normal or Full	0
02-Jun-17	RPZI	Richardson Wildlife		1.50	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-May-17	RGZM	Valley	Less Than 5%	2.00	0.25	Sunny	Calm/Ripple	NONE	Above Normal	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
01-Jun-17	RBD	Vermilion		
30-May-17	STM	La Fox Pond		Horned Pondweed, Chara, Filamentous Algae D.O.: 13.15 PPM; 156% Saturation Temp: 71.2' F; 22.3' C -Secchi color readings greatly affected by aquashade blue dye.
30-May-17	STM	La Fox Pond		Horned Pondweed, Chara, Filamentous Algae D.O.: 13.15 PPM; 156% Saturation Temp: 71.2' F; 22.3' C -Secchi color readings greatly affected by aquashade blue dye.
30-May-17	STM	La Fox Pond		Horned Pondweed, Chara, Filamentous Algae D.O.: 13.15 PPM; 156% Saturation Temp: 71.2' F; 22.3' C -Secchi color readings greatly affected by aquashade blue dye.
02-Jun-17	RPZI	Richardson Wildlife	Abundant rain resulted in overland flow from another wetland ~2.5-1.5 weeks prior to monitoring date.	Horned Pondweed, Filamentous Algae -Secchi color readings affected by aquashade blue dye.
02-Jun-17	RPZI	Richardson Wildlife	Abundant rain resulted in overland flow from another wetland ~2.5-1.5 weeks prior to monitoring date.	Horned Pondweed, Filamentous Algae -Secchi color readings affected by aquashade blue dye.
02-Jun-17	RPZI	Richardson Wildlife	Abundant rain resulted in overland flow from another wetland ~2.5-1.5 weeks prior to monitoring date.	Horned Pondweed, Filamentous Algae -Secchi color readings affected by aquashade blue dye.
10-May-17	RGZM	Valley		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
01-Jun-17	RBD	Vermilion	Rip rap project on private property near causeway.	11:57	RBD-3	11	FALSE	FALSE	0	0	5.5
30-May-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 5-3-17 2.5 G Cutrine Ultra and 0.4 G Clearigate applied.	15:35	STM-1	106	TRUE	FALSE	1	20	9
30-May-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 5-3-17 2.5 G Cutrine Ultra and 0.4 G Clearigate applied.	15:45	STM-2	77	TRUE	FALSE	1	20	6.5
30-May-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 5-3-17 2.5 G Cutrine Ultra and 0.4 G Clearigate applied.	15:50	STM-3	76	TRUE	FALSE	0	20	6.5
02-Jun-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 5-12-17 7.5G Aquastrike Applied 5-31-17 5G Cutrine Ultra, 1.25G Clearigate applied 6-1-17 7.5G Cutrine Ultra, 2G Clearigate, 7.5G Reward, 12.5G Aquashade applied.	09:52	RPZI-1	66	TRUE	FALSE	0	1	5.5
02-Jun-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 5-12-17 7.5G Aquastrike Applied 5-31-17 5G Cutrine Ultra, 1.25G Clearigate applied 6-1-17 7.5G Cutrine Ultra, 2G Clearigate, 7.5G Reward, 12.5G Aquashade applied.	09:59	RPZI-2	80	FALSE	FALSE	1	1	8
02-Jun-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 5-12-17 7.5G Aquastrike Applied 5-31-17 5G Cutrine Ultra, 1.25G Clearigate applied 6-1-17 7.5G Cutrine Ultra, 2G Clearigate, 7.5G Reward, 12.5G Aquashade applied.	10:12	RPZI-3	24	FALSE	TRUE	4	1	4.5
10-May-17	RGZM	Valley	lake was treated in April	11:26	RGZM-1	108	TRUE	FALSE	0	3	9

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
10-May-17	RGZM	Valley	Less Than 5%	2.00	0.25	Sunny	Calm/Ripple	NONE	Above Normal	0
10-May-17	RGZM	Valley	Less Than 5%	2.00	0.25	Sunny	Calm/Ripple	NONE	Above Normal	0
03-Jun-17	RTW	Silver	No Selection	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
03-Jun-17	RTW	Silver	No Selection	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
03-Jun-17	RTW	Silver	No Selection	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
04-Jun-17	VTZ	Charlotte	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	N	Below Normal	1
04-Jun-17	VTZ	Charlotte	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	N	Below Normal	1
04-Jun-17	VDE	Catatoga	Less Than 5%	2.00	0	Overcast	Calm/Ripple	NE	Below Normal	1
04-Jun-17	VDE	Catatoga	Less Than 5%	2.00	0	Overcast	Calm/Ripple	NE	Below Normal	1
04-Jun-17	RPV	Candlewick	Less Than 5%	1.00	0.3	Sunny	Small Waves	NW	Above Normal	8
04-Jun-17	RPV	Candlewick	Less Than 5%	1.00	0.3	Sunny	Small Waves	NW	Above Normal	8
04-Jun-17	RPV	Candlewick	Less Than 5%	1.00	0.3	Sunny	Small Waves	NW	Above Normal	8
10-May-17	RNU	Jaycee	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	N	Above Normal	3
10-May-17	RNU	Jaycee	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	N	Above Normal	3
10-May-17	RNU	Jaycee	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	N	Above Normal	3
25-May-17	UTV	Cross	Less Than 5%	2.00	0.52	Partly Cloudy	Small Waves	NW	Below Normal	8.4
25-May-17	UTV	Cross	Less Than 5%	2.00	0.52	Partly Cloudy	Small Waves	NW	Below Normal	8.4
25-May-17	UTV	Cross	Less Than 5%	2.00	0.52	Partly Cloudy	Small Waves	NW	Below Normal	8.4
25-May-17	UTV	Cross	Less Than 5%	2.00	0.52	Partly Cloudy	Small Waves	NW	Below Normal	8.4
29-May-17	RNU	Jaycee		1.00	0	Sunny	Moderate Waves	S	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
10-May-17	RGZM	Valley		
10-May-17	RGZM	Valley		
03-Jun-17	RTW	Silver	Nice	Boating, swimming, fishing, ducks, geese,
03-Jun-17	RTW	Silver	Nice	Boating, swimming, fishing, ducks, geese,
03-Jun-17	RTW	Silver	Nice	Boating, swimming, fishing, ducks, geese,
04-Jun-17	VTZ	Charlotte	None Noted	Swimming / boating on lake over the weekend, cottonwood pollen on surface of lake, Mallard mom with 12 ducklings on lake (first year observed), some floating algae / plants
04-Jun-17	VTZ	Charlotte	None Noted	Swimming / boating on lake over the weekend, cottonwood pollen on surface of lake, Mallard mom with 12 ducklings on lake (first year observed), some floating algae / plants
04-Jun-17	VDE	Catatoga		
04-Jun-17	VDE	Catatoga		
04-Jun-17	RPV	Candlewick	Heavy rain this spring	Curly leaf in middle of lake, milfoil is gone, a lot of algae mats in the north end of lake.
04-Jun-17	RPV	Candlewick	Heavy rain this spring	Curly leaf in middle of lake, milfoil is gone, a lot of algae mats in the north end of lake.
04-Jun-17	RPV	Candlewick	Heavy rain this spring	Curly leaf in middle of lake, milfoil is gone, a lot of algae mats in the north end of lake.
10-May-17	RNU	Jaycee		Aquatic plants have increased
10-May-17	RNU	Jaycee		Aquatic plants have increased
10-May-17	RNU	Jaycee		Aquatic plants have increased
25-May-17	UTV	Cross		
25-May-17	UTV	Cross		
25-May-17	UTV	Cross		
25-May-17	UTV	Cross		
29-May-17	RNU	Jaycee		Increase in aquatic plants

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
10-May-17	RGZM	Valley	lake was treated in April	11:40	RGZM-2	90	TRUE	FALSE	0	3	7.5
10-May-17	RGZM	Valley	lake was treated in April	11:50	RGZM-3	84	TRUE	FALSE	0	3	7
03-Jun-17	RTW	Silver	No aeration. Surface Temp = 70.7 F D.O.= 11.1 Bottom Temp = 67.1 F D.O.= 12.3	07:58	RTW-1	192	TRUE	FALSE	1	12	16
03-Jun-17	RTW	Silver	No aeration. Surface Temp = 70.7 F D.O.= 11.1 Bottom Temp = 67.1 F D.O.= 12.3	08:19	RTW-2	108	TRUE	FALSE	3	12	9
03-Jun-17	RTW	Silver	No aeration. Surface Temp = 70.7 F D.O.= 11.1 Bottom Temp = 67.1 F D.O.= 12.3	08:31	RTW-3	52	FALSE	TRUE	4	14	5
04-Jun-17	VTZ	Charlotte	none	10:05	VTZ-1	70	FALSE	FALSE	0	8	12
04-Jun-17	VTZ	Charlotte	none	10:35	VTZ-2	48	TRUE	FALSE	0	17	4
04-Jun-17	VDE	Catotoga	Copper Sulfate added April 12	10:05	VDE-1	87	FALSE	FALSE	0	8	49
04-Jun-17	VDE	Catotoga	Copper Sulfate added April 12	10:20	VDE-2	80	FALSE	FALSE	0	17	32
04-Jun-17	RPV	Candlewick	5/2 and 5/15 - treated 102 Acres along shoreline for milfoil with Tribune Herbicide and Captain Liquid Copper Algacide. Echo harvester on lake 9 days picking up algae.	04:30	RPV-1	72	FALSE	FALSE	0	3	25
04-Jun-17	RPV	Candlewick	5/2 and 5/15 - treated 102 Acres along shoreline for milfoil with Tribune Herbicide and Captain Liquid Copper Algacide. Echo harvester on lake 9 days picking up algae.	04:15	RPV-2	72	FALSE	FALSE	0	3	14
04-Jun-17	RPV	Candlewick	5/2 and 5/15 - treated 102 Acres along shoreline for milfoil with Tribune Herbicide and Captain Liquid Copper Algacide. Echo harvester on lake 9 days picking up algae.	04:00	RPV-3	60	FALSE	FALSE	0	3	7
10-May-17	RNU	Jaycee		09:10	RNU-1	35	FALSE	FALSE	1	12	20
10-May-17	RNU	Jaycee		09:17	RNU-2	33	FALSE	FALSE	1	12	14
10-May-17	RNU	Jaycee		09:24	RNU-3	37	FALSE	FALSE	2	13	7
25-May-17	UTV	Cross		15:25	UTV-1	84	FALSE	FALSE	0	3	35
25-May-17	UTV	Cross		15:40	UTV-2	78	FALSE	FALSE	0	17	9
25-May-17	UTV	Cross		15:46	UTV-3	90	FALSE	FALSE	0	17	23
25-May-17	UTV	Cross		15:58	UTV-4	84	FALSE	FALSE	0	17	17
29-May-17	RNU	Jaycee		14:33	RNU-1	56	FALSE	FALSE	1	12	20

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
29-May-17	RNU	Jaycee		1.00	0	Sunny	Moderate Waves	S	Normal or Full	0
29-May-17	RNU	Jaycee		1.00	0	Sunny	Moderate Waves	S	Normal or Full	0
28-May-17	RNZG	Spring Arbor	Less Than 5%	1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
28-May-17	RNZG	Spring Arbor	Less Than 5%	1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
28-May-17	RNZG	Spring Arbor	Less Than 5%	1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
28-May-17	RNZG	Spring Arbor	Less Than 5%	1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
30-May-17	VTD	Deep		2.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
30-May-17	VTD	Deep		2.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
30-May-17	VTD	Deep		2.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
30-May-17	VTD	Deep		2.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
05-Jun-17	RGZM	Valley	Less Than 5%	2.00	0.01	Sunny	Small Waves	N	Above Normal	0.5
05-Jun-17	RGZM	Valley	Less Than 5%	2.00	0.01	Sunny	Small Waves	N	Above Normal	0.5
05-Jun-17	RGZM	Valley	Less Than 5%	2.00	0.01	Sunny	Small Waves	N	Above Normal	0.5
22-May-17	UGF	St. Mary's	Less Than 5%	3.00	0.2	Sunny	Small Waves	W	Normal or Full	0
22-May-17	UGF	St. Mary's	Less Than 5%	3.00	0.2	Sunny	Small Waves	W	Normal or Full	0
22-May-17	UGF	St. Mary's	Less Than 5%	3.00	0.2	Sunny	Small Waves	W	Normal or Full	0
06-Jun-17	RNC	Kinkaid	Less Than 5%	5.00	0.5	Sunny	Small Waves	N	Below Normal	0.1
06-Jun-17	RNC	Kinkaid	Less Than 5%	5.00	0.5	Sunny	Small Waves	N	Below Normal	0.1
06-Jun-17	RNC	Kinkaid	Less Than 5%	5.00	0.5	Sunny	Small Waves	N	Below Normal	0.1
06-Jun-17	RNC	Kinkaid	Less Than 5%	5.00	0.5	Sunny	Small Waves	N	Below Normal	0.1
06-Jun-17	RND	Murphysboro	Less Than 5%	0.50	0.5	Sunny	Calm/Ripple	N	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
29-May-17	RNU	Jaycee		Increase in aquatic plants
29-May-17	RNU	Jaycee		Increase in aquatic plants
28-May-17	RNZG	Spring Arbor		
28-May-17	RNZG	Spring Arbor		
28-May-17	RNZG	Spring Arbor		
28-May-17	RNZG	Spring Arbor		
30-May-17	VTD	Deep		Onsite rain for may=2.58 inches Zebra trap=zero Lake temp 70 f
30-May-17	VTD	Deep		Onsite rain for may=2.58 inches Zebra trap=zero Lake temp 70 f
30-May-17	VTD	Deep		Onsite rain for may=2.58 inches Zebra trap=zero Lake temp 70 f
30-May-17	VTD	Deep		Onsite rain for may=2.58 inches Zebra trap=zero Lake temp 70 f
05-Jun-17	RGZM	Valley		water smells like algae
05-Jun-17	RGZM	Valley		water smells like algae
05-Jun-17	RGZM	Valley		water smells like algae
22-May-17	UGF	St. Mary's	First time monitoring St. Mary's Lake.	
22-May-17	UGF	St. Mary's	First time monitoring St. Mary's Lake.	
22-May-17	UGF	St. Mary's	First time monitoring St. Mary's Lake.	
06-Jun-17	RNC	Kinkaid	None	None
06-Jun-17	RNC	Kinkaid	None	None
06-Jun-17	RNC	Kinkaid	None	None
06-Jun-17	RNC	Kinkaid	None	None
06-Jun-17	RND	Murphysboro	None	None

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
29-May-17	RNU	Jaycee		14:41	RNU-2	59	FALSE	FALSE	1	12	14
29-May-17	RNU	Jaycee		14:51	RNU-3		FALSE	TRUE	3		7
28-May-17	RNZG	Spring Arbor		13:45	RNZG-1	28	FALSE	FALSE	0	12	38.5
28-May-17	RNZG	Spring Arbor		13:35	RNZG-2	28	FALSE	FALSE	0	12	26.5
28-May-17	RNZG	Spring Arbor		13:20	RNZG-3	26	FALSE	FALSE	0	12	23
28-May-17	RNZG	Spring Arbor		13:30	RNZG-4	23	FALSE	FALSE	0	12	7
30-May-17	VTD	Deep		11:55	VTD-1	337	FALSE	FALSE	0	8	49
30-May-17	VTD	Deep		12:20	VTD-2	335	FALSE	FALSE	0	8	35
30-May-17	VTD	Deep		12:45	VTD-3	338	FALSE	FALSE	0	8	38
30-May-17	VTD	Deep		11:30	VTD-4	315	FALSE	FALSE	0	17	25
05-Jun-17	RGZM	Valley	lake was treated with Copper Sulfate earlier in the day	11:45	RGZM-1	58	FALSE	FALSE	0	17	8.5
05-Jun-17	RGZM	Valley	lake was treated with Copper Sulfate earlier in the day	12:07	RGZM-2	57	FALSE	FALSE	0	17	8
05-Jun-17	RGZM	Valley	lake was treated with Copper Sulfate earlier in the day	12:21	RGZM-3	59	FALSE	FALSE	0	17	7.5
22-May-17	UGF	St. Mary's	Removed about 400 Common Carp and 2 Grass Carp previous week.	09:35	UGF-1	23	FALSE	FALSE	0	12	15.5
22-May-17	UGF	St. Mary's	Removed about 400 Common Carp and 2 Grass Carp previous week.	09:52	UGF-2	23	FALSE	FALSE	0	12	9.5
22-May-17	UGF	St. Mary's	Removed about 400 Common Carp and 2 Grass Carp previous week.	10:07	UGF-3	24	FALSE	FALSE	0	12	10.5
06-Jun-17	RNC	Kinkaid	None	11:08	RNC-1	58	FALSE	FALSE	0	13	57
06-Jun-17	RNC	Kinkaid	None	10:33	RNC-2	53	FALSE	FALSE	0	13	40
06-Jun-17	RNC	Kinkaid	None	10:01	RNC-3	44	FALSE	FALSE	0	13	35
06-Jun-17	RNC	Kinkaid	None	11:59	RNC-9	57	FALSE	FALSE	0	13	24
06-Jun-17	RND	Murphysboro	None	14:18	RND-1	27	FALSE	FALSE	0	12	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
05-Jun-17	RGZB	Hastings		4.50	0	Sunny	White Caps	NE	Normal or Full	0
05-Jun-17	RGZB	Hastings		4.50	0	Sunny	White Caps	NE	Normal or Full	0
08-Jun-17	UGF	St. Mary's	Less Than 5%	2.50	0	Sunny	Calm/Ripple	W	Below Normal	0
08-Jun-17	UGF	St. Mary's	Less Than 5%	2.50	0	Sunny	Calm/Ripple	W	Below Normal	0
08-Jun-17	UGF	St. Mary's	Less Than 5%	2.50	0	Sunny	Calm/Ripple	W	Below Normal	0
30-May-17	RTZF	Tower	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	W	Above Normal	2.5
30-May-17	RTZF	Tower	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	W	Above Normal	2.5
30-May-17	RTZF	Tower	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	W	Above Normal	2.5
07-Jun-17	RGJ	Butler	51% To 70%	4.00	0	Sunny	Calm/Ripple	E	No Selection	0
07-Jun-17	RGJ	Butler	51% To 70%	4.00	0	Sunny	Calm/Ripple	E	No Selection	0
07-Jun-17	RGJ	Butler	51% To 70%	4.00	0	Sunny	Calm/Ripple	E	No Selection	0
01-Jun-17	REE	Dawson	Less Than 5%	3.00	0	Sunny	Small Waves	W	Above Normal	1
01-Jun-17	REE	Dawson	Less Than 5%	3.00	0	Sunny	Small Waves	W	Above Normal	1
01-Jun-17	REE	Dawson	Less Than 5%	3.00	0	Sunny	Small Waves	W	Above Normal	1
08-Jun-17	RGR	Charles		3.00	0	Sunny	Calm/Ripple	NW	Below Normal	3.5
08-Jun-17	RGR	Charles		3.00	0	Sunny	Calm/Ripple	NW	Below Normal	3.5

Sample Date	Lake Code	Waterbody	Observations	Other Information
05-Jun-17	RGZB	Hastings	Lake levels have dropped but filamentous algae covers must to the lake shore and aquatic plants. Many common carp.	
05-Jun-17	RGZB	Hastings	Lake levels have dropped but filamentous algae covers must to the lake shore and aquatic plants. Many common carp.	
08-Jun-17	UGF	St. Mary's	No rain last 7 days.	
08-Jun-17	UGF	St. Mary's	No rain last 7 days.	
08-Jun-17	UGF	St. Mary's	No rain last 7 days.	
30-May-17	RTZF	Tower		Filamentous algae blooms
30-May-17	RTZF	Tower		Filamentous algae blooms
30-May-17	RTZF	Tower		Filamentous algae blooms
07-Jun-17	RGJ	Butler	none	coontail EWM white water lily, chara
07-Jun-17	RGJ	Butler	none	coontail EWM white water lily, chara
07-Jun-17	RGJ	Butler	none	coontail EWM white water lily, chara
01-Jun-17	REE	Dawson	water temp 72 Wind W at 7 mph Collected first water samples for 2017	
01-Jun-17	REE	Dawson	water temp 72 Wind W at 7 mph Collected first water samples for 2017	
01-Jun-17	REE	Dawson	water temp 72 Wind W at 7 mph Collected first water samples for 2017	
08-Jun-17	RGR	Charles	no rain for past 11 days	ducks, tern, spyrogyra, scum, black duck, dragonflies, darners, many young blue gill, crayfish, horned pondweed, chara, waterwillow, pickerel, water iris, curly leaf
08-Jun-17	RGR	Charles	no rain for past 11 days	ducks, tern, spyrogyra, scum, black duck, dragonflies, darners, many young blue gill, crayfish, horned pondweed, chara, waterwillow, pickerel, water iris, curly leaf

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
05-Jun-17	RGZB	Hastings		09:15	RGZB-1	54	FALSE	FALSE	0	17	26
05-Jun-17	RGZB	Hastings		09:45	RGZB-3	10	FALSE	FALSE	0	12	10
08-Jun-17	UGF	St. Mary's		09:53	UGF-1	55	FALSE	FALSE	0	7	15
08-Jun-17	UGF	St. Mary's		10:04	UGF-2	49	FALSE	FALSE	0	8	9.5
08-Jun-17	UGF	St. Mary's		10:18	UGF-3	59	FALSE	FALSE	0	7	10.5
30-May-17	RTZF	Tower		12:10	RTZF-1	49	FALSE	FALSE	3	12	7
30-May-17	RTZF	Tower		15:10	RTZF-2	75	FALSE	FALSE	3	13	7.5
30-May-17	RTZF	Tower		15:30	RTZF-3	61	FALSE	FALSE	4	13	5
07-Jun-17	RGJ	Butler		17:00	RGJ-1		FALSE	TRUE	0	12	8
07-Jun-17	RGJ	Butler		17:10	RGJ-2	75	FALSE	FALSE	0	12	8
07-Jun-17	RGJ	Butler		16:50	RGJ-3		TRUE	FALSE	0	12	6
01-Jun-17	REE	Dawson		13:45	REE-1	51	FALSE	FALSE	0	17	24
01-Jun-17	REE	Dawson		12:20	REE-2	50	FALSE	FALSE	0	17	12.5
01-Jun-17	REE	Dawson		11:00	REE-3	33	FALSE	FALSE	0	18	7
08-Jun-17	RGR	Charles	23May2017: EAM says they brought all 16 aerators online (although today I only counted 15 running); 30May2017: 25# copper sulfate, 8 gals Black Onyx, DO=7.6; 1-S:9.15pH,79.1F,613ms,306ppm; 2-S:8.80pH,75.6F,621ms,308ppm; 2-4:8.83pH,76.5F,607ms,304ppm; 3-S:8.97pH,76.5F,620ms,313ppm; 3-3:9.02pH,77.5F,621ms,308ppm;	12:34	RGR-1	70	FALSE	FALSE	0	13	18
08-Jun-17	RGR	Charles	23May2017: EAM says they brought all 16 aerators online (although today I only counted 15 running); 30May2017: 25# copper sulfate, 8 gals Black Onyx, DO=7.6; 1-S:9.15pH,79.1F,613ms,306ppm; 2-S:8.80pH,75.6F,621ms,308ppm; 2-4:8.83pH,76.5F,607ms,304ppm; 3-S:8.97pH,76.5F,620ms,313ppm; 3-3:9.02pH,77.5F,621ms,308ppm;	11:22	RGR-2	62	FALSE	FALSE	0	13	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
08-Jun-17	RGR	Charles		3.00	0	Sunny	Calm/Ripple	NW	Below Normal	3.5
06-Jun-17	RGZD	Miltmore		1.50	0	Sunny	Small Waves	NE	Below Normal	10
06-Jun-17	RGZD	Miltmore		1.50	0	Sunny	Small Waves	NE	Below Normal	10
06-Jun-17	RGZD	Miltmore		1.50	0	Sunny	Small Waves	NE	Below Normal	10
11-Jun-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	SW	Normal or Full	0
11-Jun-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	SW	Normal or Full	0
11-Jun-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	SW	Normal or Full	0
17-May-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Calm/Ripple	SW	No Selection	0
17-May-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Calm/Ripple	SW	No Selection	0
17-May-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Calm/Ripple	SW	No Selection	0
17-May-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Calm/Ripple	SW	No Selection	0
29-May-17	RGZG	Forest	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NW	No Selection	0
29-May-17	RGZG	Forest	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NW	No Selection	0
29-May-17	RGZG	Forest	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NW	No Selection	0
29-May-17	RGZG	Forest	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NW	No Selection	0
17-May-17	RTZT	Barrington	No Selection	3.75	0	Overcast	Moderate Waves	SW	Above Normal	3.1
17-May-17	RTZT	Barrington	No Selection	3.75	0	Overcast	Moderate Waves	SW	Above Normal	3.1
17-May-17	RTZT	Barrington	No Selection	3.75	0	Overcast	Moderate Waves	SW	Above Normal	3.1
17-May-17	RTZT	Barrington	No Selection	3.75	0	Overcast	Moderate Waves	SW	Above Normal	3.1
31-May-17	RTZT	Barrington	Less Than 5%	6.00	0	Sunny	Small Waves	W	Above Normal	3.2
31-May-17	RTZT	Barrington	Less Than 5%	6.00	0	Sunny	Small Waves	W	Above Normal	3.2
31-May-17	RTZT	Barrington	Less Than 5%	6.00	0	Sunny	Small Waves	W	Above Normal	3.2
31-May-17	RTZT	Barrington	Less Than 5%	6.00	0	Sunny	Small Waves	W	Above Normal	3.2
26-May-17	UGV	Spring Ledge	Less Than 5%	#VALUE!	0	Overcast	Calm/Ripple	NONE	Normal or Full	0
26-May-17	UGV	Spring Ledge	Less Than 5%	#VALUE!	0	Overcast	Calm/Ripple	NONE	Normal or Full	0
31-May-17	UGV	Spring Ledge		#VALUE!	0.13	Sunny	Small Waves	NW	Normal or Full	0
31-May-17	UGV	Spring Ledge		#VALUE!	0.13	Sunny	Small Waves	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
08-Jun-17	RGR	Charles	no rain for past 11 days	ducks, tern, spyrogyra, scum, black duck, dragonflies, darners, many young blue gill, crayfish, horned pondweed, chara, waterwillow, pickerel, water iris, curly leaf
06-Jun-17	RGZD	Miltmore		
06-Jun-17	RGZD	Miltmore		
06-Jun-17	RGZD	Miltmore		
11-Jun-17	RNJ	Devils Kitchen		
11-Jun-17	RNJ	Devils Kitchen		
11-Jun-17	RNJ	Devils Kitchen		
17-May-17	RGZG	Forest		
17-May-17	RGZG	Forest		
17-May-17	RGZG	Forest		
17-May-17	RGZG	Forest		
29-May-17	RGZG	Forest		
29-May-17	RGZG	Forest		
29-May-17	RGZG	Forest		
29-May-17	RGZG	Forest		
17-May-17	RTZT	Barrington		
17-May-17	RTZT	Barrington		
17-May-17	RTZT	Barrington		
17-May-17	RTZT	Barrington		
31-May-17	RTZT	Barrington		2 Great Blue Herons
31-May-17	RTZT	Barrington		2 Great Blue Herons
31-May-17	RTZT	Barrington		2 Great Blue Herons
31-May-17	RTZT	Barrington		2 Great Blue Herons
26-May-17	UGV	Spring Ledge		
26-May-17	UGV	Spring Ledge		
31-May-17	UGV	Spring Ledge		
31-May-17	UGV	Spring Ledge		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
08-Jun-17	RGR	Charles	23May2017: EAM says they brought all 16 aerators online (although today I only counted 15 running); 30May2017: 25# copper sulfate, 8 gals Black Onyx, DO=7.6; 1-S:9.15pH,79.1F,613ms,306ppm; 2-S:8.80pH,75.6F,621ms,308ppm; 2-4:8.83pH,76.5F,607ms,304ppm; 3-S:8.97pH,76.5F,620ms,313ppm; 3-3:9.02pH,77.5F,621ms,308ppm;	11:51	RGR-3	55	FALSE	FALSE	0	13	5
06-Jun-17	RGZD	Miltmore	Milfoil treatment by the Township on 05/21/17	10:30	RGZD-1	116	FALSE	FALSE	1	7	15.5
06-Jun-17	RGZD	Miltmore	Milfoil treatment by the Township on 05/21/17	10:00	RGZD-2	95	FALSE	FALSE	0	7	15.5
06-Jun-17	RGZD	Miltmore	Milfoil treatment by the Township on 05/21/17	10:50	RGZD-3		FALSE	TRUE	4		
11-Jun-17	RNJ	Devils Kitchen		08:50	RNJ-1	48	FALSE	FALSE	3	13	32
11-Jun-17	RNJ	Devils Kitchen		09:16	RNJ-2	30	FALSE	FALSE	3	13	30
11-Jun-17	RNJ	Devils Kitchen		10:45	RNJ-3	48	FALSE	FALSE	2	13	42
17-May-17	RGZG	Forest		17:22	RGZG-1	22	FALSE	FALSE	0	12	7.5
17-May-17	RGZG	Forest		17:30	RGZG-2	20	FALSE	FALSE	0	12	7
17-May-17	RGZG	Forest		17:36	RGZG-3	32	FALSE	FALSE	0	12	5
17-May-17	RGZG	Forest		17:45	RGZG-4	23	FALSE	FALSE	0	12	7.5
29-May-17	RGZG	Forest		14:38	RGZG-1	33	FALSE	FALSE	0	12	7.5
29-May-17	RGZG	Forest		14:46	RGZG-3	38	FALSE	FALSE	0	12	7
29-May-17	RGZG	Forest		14:55	RGZG-2	41	FALSE	FALSE	1	12	4.5
29-May-17	RGZG	Forest		15:00	RGZG-4	32	FALSE	FALSE	0	13	7.5
17-May-17	RTZT	Barrington		08:45	RTZT-1	144	FALSE	FALSE	0	1	12.5
17-May-17	RTZT	Barrington		08:55	RTZT-2	144	FALSE	FALSE	0	1	13
17-May-17	RTZT	Barrington		09:15	RTZT-3	132	FALSE	FALSE	0	1	12
17-May-17	RTZT	Barrington		09:30	RTZT-4	84	FALSE	FALSE	0	1	8.5
31-May-17	RTZT	Barrington		08:30	RTZT-1	144	FALSE	FALSE	1	1	11.5
31-May-17	RTZT	Barrington		08:45	RTZT-2	132	FALSE	FALSE	0	2	10.5
31-May-17	RTZT	Barrington		09:00	RTZT-3	126	FALSE	FALSE	0	2	10
31-May-17	RTZT	Barrington		9:15	RTZT-4	90	FALSE	FALSE	0	1	6
26-May-17	UGV	Spring Ledge		10:00	UGV-1	87	FALSE	FALSE	0	8	9.5
26-May-17	UGV	Spring Ledge		10:10	UGV-2	66	TRUE	FALSE	0	8	6
31-May-17	UGV	Spring Ledge		10:40	UGV-1	62	FALSE	FALSE	1	8	9.5
31-May-17	UGV	Spring Ledge		10:45	UGV-2	63	FALSE	FALSE	1	12	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
08-Jun-17	RTM	East Loon		3.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
08-Jun-17	RTM	East Loon		3.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
08-Jun-17	RTM	East Loon		3.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
08-Jun-17	RTZB	West Loon		1.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
08-Jun-17	RTZB	West Loon		1.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
08-Jun-17	RTZB	West Loon		1.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
13-May-17	STC	Little Silver		1.00	0.5	Sunny	Small Waves	W	Normal or Full	0
13-May-17	STC	Little Silver		1.00	0.5	Sunny	Small Waves	W	Normal or Full	0
13-May-17	STC	Little Silver		1.00	0.5	Sunny	Small Waves	W	Normal or Full	0
29-May-17	STC	Little Silver		1.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
29-May-17	STC	Little Silver		1.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
29-May-17	STC	Little Silver		1.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
12-Jun-17	VDE	Catatoga	Less Than 5%	3.00	0	Sunny	Small Waves	SE	Below Normal	2
12-Jun-17	VDE	Catatoga	Less Than 5%	3.00	0	Sunny	Small Waves	SE	Below Normal	2
01-Jun-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
01-Jun-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
01-Jun-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
01-Jun-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
11-Jun-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	3
11-Jun-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	3
11-Jun-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	3
11-Jun-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
08-Jun-17	RTM	East Loon	no harvesting or herbicide treatment yet this year	Curlyleaf Pondweed is excessive
08-Jun-17	RTM	East Loon	no harvesting or herbicide treatment yet this year	Curlyleaf Pondweed is excessive
08-Jun-17	RTM	East Loon	no harvesting or herbicide treatment yet this year	Curlyleaf Pondweed is excessive
08-Jun-17	RTZB	West Loon		Algae bloom in water column
08-Jun-17	RTZB	West Loon		Algae bloom in water column
08-Jun-17	RTZB	West Loon		Algae bloom in water column
13-May-17	STC	Little Silver	Very windy conditions the past week	1 pair of swans, Approx. 5 geese families
13-May-17	STC	Little Silver	Very windy conditions the past week	1 pair of swans, Approx. 5 geese families
13-May-17	STC	Little Silver	Very windy conditions the past week	1 pair of swans, Approx. 5 geese families
29-May-17	STC	Little Silver	Windy, Cold Spring	
29-May-17	STC	Little Silver	Windy, Cold Spring	
29-May-17	STC	Little Silver	Windy, Cold Spring	
12-Jun-17	VDE	Catatoga		
12-Jun-17	VDE	Catatoga		
01-Jun-17	VTD	Deep		Zebra trap =0 Lake temp 72f
01-Jun-17	VTD	Deep		Zebra trap =0 Lake temp 72f
01-Jun-17	VTD	Deep		Zebra trap =0 Lake temp 72f
01-Jun-17	VTD	Deep		Zebra trap =0 Lake temp 72f
11-Jun-17	REZL	Twin Oaks	Hot and dry, more turbid, and a blue-green color (lake management).	aerators on
11-Jun-17	REZL	Twin Oaks	Hot and dry, more turbid, and a blue-green color (lake management).	aerators on
11-Jun-17	REZL	Twin Oaks	Hot and dry, more turbid, and a blue-green color (lake management).	aerators on
11-Jun-17	REZL	Twin Oaks	Hot and dry, more turbid, and a blue-green color (lake management).	aerators on

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
08-Jun-17	RTM	East Loon	n/a, site 3 no access	15:00	RTM-1	104	FALSE	FALSE	0	13	22
08-Jun-17	RTM	East Loon	n/a, site 3 no access	15:20	RTM-2	95	FALSE	FALSE	0	13	11
08-Jun-17	RTM	East Loon	n/a, site 3 no access		RTM-3		FALSE	FALSE			
08-Jun-17	RTZB	West Loon	No weed harvesting yet in 2017	14:00	RTZB-2	170	FALSE	FALSE	0	12	37
08-Jun-17	RTZB	West Loon	No weed harvesting yet in 2017	14:40	RTZB-3	185	FALSE	FALSE	0	13	22
08-Jun-17	RTZB	West Loon	No weed harvesting yet in 2017	14:50	RTZB-4		TRUE	TRUE	4		6
13-May-17	STC	Little Silver		11:45	STC-1	132	FALSE	FALSE	0	13	20
13-May-17	STC	Little Silver		12:05	STC-2	138	FALSE	FALSE	0	13	17.5
13-May-17	STC	Little Silver		12:25	STC-3	66	FALSE	TRUE	1	13	6
29-May-17	STC	Little Silver	Lake Front weed control done by association	12:45	STC-1	150	FALSE	FALSE	0	13	19
29-May-17	STC	Little Silver	Lake Front weed control done by association	12:05	STC-2	144	FALSE	FALSE	0	13	18
29-May-17	STC	Little Silver	Lake Front weed control done by association	13:20	STC-3	66	TRUE	FALSE	1	13	5.5
12-Jun-17	VDE	Catatoga		13:00	VDE-1	85	FALSE	FALSE	0	8	48
12-Jun-17	VDE	Catatoga		13:38	VDE-2	73	FALSE	FALSE	0	8	32
01-Jun-17	VTD	Deep		13:30	VTD-1	267	FALSE	FALSE	0	8	49
01-Jun-17	VTD	Deep		13:55	VTD-2	266	FALSE	FALSE	0	8	35
01-Jun-17	VTD	Deep		14:15	VTD-3	268	FALSE	FALSE	0	8	38
01-Jun-17	VTD	Deep		13:00	VTD-4	254	FALSE	FALSE	0	17	25
11-Jun-17	REZL	Twin Oaks	Found out after sampling that lake management association had applied 9 gallons of Aquashade this morning, hence, the blue-green tint. Color not valid.	15:40	REZL-1	13	FALSE	FALSE	0	0	4.5
11-Jun-17	REZL	Twin Oaks	Found out after sampling that lake management association had applied 9 gallons of Aquashade this morning, hence, the blue-green tint. Color not valid.	15:25	REZL-2	13	FALSE	FALSE	0	0	4
11-Jun-17	REZL	Twin Oaks	Found out after sampling that lake management association had applied 9 gallons of Aquashade this morning, hence, the blue-green tint. Color not valid.	14:50	REZL-3	15	FALSE	FALSE	0	0	4
11-Jun-17	REZL	Twin Oaks	Found out after sampling that lake management association had applied 9 gallons of Aquashade this morning, hence, the blue-green tint. Color not valid.	14:30	REZL-4	14	FALSE	FALSE	0	0	5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
29-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
29-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
29-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
29-May-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
08-Jun-17	SGB	Virginia	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	2
08-Jun-17	SGB	Virginia	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	2
08-Jun-17	SGB	Virginia	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	2
13-Jun-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Below Normal	2
13-Jun-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Below Normal	2
13-Jun-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Below Normal	2
13-Jun-17	RDF	Otter	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Below Normal	2
14-Jun-17	VTD	Deep		3.50	0	Partly Cloudy	Small Waves	SW	Below Normal	2.5
14-Jun-17	VTD	Deep		3.50	0	Partly Cloudy	Small Waves	SW	Below Normal	2.5
14-Jun-17	VTD	Deep		3.50	0	Partly Cloudy	Small Waves	SW	Below Normal	2.5
14-Jun-17	VTD	Deep		3.50	0	Partly Cloudy	Small Waves	SW	Below Normal	2.5
15-Jun-17	SEB	Bird's Pond	Less Than 5%	4.00	0.2	Overcast	Calm/Ripple	W	Below Normal	1
15-Jun-17	SEB	Bird's Pond	Less Than 5%	4.00	0.2	Overcast	Calm/Ripple	W	Below Normal	1
15-Jun-17	RDR	Spring	Less Than 5%	8.00	0.54	Sunny	Small Waves	W	Normal or Full	0
15-Jun-17	RDR	Spring	Less Than 5%	8.00	0.54	Sunny	Small Waves	W	Normal or Full	0
15-Jun-17	RDR	Spring	Less Than 5%	8.00	0.54	Sunny	Small Waves	W	Normal or Full	0
15-Jun-17	RTZP	Highland		3.00	1.19	Partly Cloudy	Calm/Ripple	N	Above Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
29-May-17	REZL	Twin Oaks	less turbid	water meal, filamentous green, green scum, and a few blue-green globs
29-May-17	REZL	Twin Oaks	less turbid	water meal, filamentous green, green scum, and a few blue-green globs
29-May-17	REZL	Twin Oaks	less turbid	water meal, filamentous green, green scum, and a few blue-green globs
29-May-17	REZL	Twin Oaks	less turbid	water meal, filamentous green, green scum, and a few blue-green globs
08-Jun-17	SGB	Virginia	Dry and hot	phragmites
08-Jun-17	SGB	Virginia	Dry and hot	phragmites
08-Jun-17	SGB	Virginia	Dry and hot	phragmites
13-Jun-17	RDF	Otter		
13-Jun-17	RDF	Otter		
13-Jun-17	RDF	Otter		
13-Jun-17	RDF	Otter		
14-Jun-17	VTD	Deep		Zebra trap=0 Lake Tamp=72 F
14-Jun-17	VTD	Deep		Zebra trap=0 Lake Tamp=72 F
14-Jun-17	VTD	Deep		Zebra trap=0 Lake Tamp=72 F
14-Jun-17	VTD	Deep		Zebra trap=0 Lake Tamp=72 F
15-Jun-17	SEB	Bird's Pond	little rain till last night; algae growth to about 5' from shore; duckweed in south inlet area; triploid grass carp observed and they have gotten quite large since stocking last year.	27-28 deg. C @ 1-10 feet--no stratification NO3-NO2--0; pH8; ALK 180; TH 180 ppm; PO4--<100ppb;
15-Jun-17	SEB	Bird's Pond	little rain till last night; algae growth to about 5' from shore; duckweed in south inlet area; triploid grass carp observed and they have gotten quite large since stocking last year.	27-28 deg. C @ 1-10 feet--no stratification NO3-NO2--0; pH8; ALK 180; TH 180 ppm; PO4--<100ppb;
15-Jun-17	RDR	Spring		
15-Jun-17	RDR	Spring		
15-Jun-17	RDR	Spring		
15-Jun-17	RTZP	Highland		Chara, long leaf pondweed, spadderdock, white water lily, remnants of dying EWM at lake inlet

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
29-May-17	REZL	Twin Oaks	aerators on	11:20	REZL-1	43	FALSE	FALSE	0	8	5
29-May-17	REZL	Twin Oaks	aerators on	10:55	REZL-2	46	FALSE	FALSE	0	8	4
29-May-17	REZL	Twin Oaks	aerators on	10:30	REZL-3	42	FALSE	FALSE	0	8	4
29-May-17	REZL	Twin Oaks	aerators on	10:05	REZL-4	38	FALSE	FALSE	0	8	5.5
08-Jun-17	SGB	Virginia	On June 4 - Added cutrine plus granular 45 lbs. around the perimeter of the lake	13:00	SGB-1	246	FALSE	FALSE	0	3	62.5
08-Jun-17	SGB	Virginia	On June 4 - Added cutrine plus granular 45 lbs. around the perimeter of the lake	13:40	SGB-2	224	FALSE	FALSE	0	17	42
08-Jun-17	SGB	Virginia	On June 4 - Added cutrine plus granular 45 lbs. around the perimeter of the lake	14:10	SGB-3	192	FALSE	FALSE	0	8	46
13-Jun-17	RDF	Otter		13:10	RDF-1	40	FALSE	FALSE	0	12	49
13-Jun-17	RDF	Otter		13:34	RDF-2	32	FALSE	FALSE	0	3	29
13-Jun-17	RDF	Otter		14:20	RDF-3	13	FALSE	FALSE	0	3	7.5
13-Jun-17	RDF	Otter		13:56	RDF-4	19	FALSE	FALSE	0	2	29
14-Jun-17	VTD	Deep		10:30	VTD-1	270	FALSE	FALSE	0	8	49
14-Jun-17	VTD	Deep		10:55	VTD-2	268	FALSE	FALSE	0	8	35
14-Jun-17	VTD	Deep		11:25	VTD-3	271	FALSE	FALSE	0	8	38
14-Jun-17	VTD	Deep		11:45	VTD-4	255	FALSE	FALSE	0	17	25
15-Jun-17	SEB	Bird's Pond	dyed pond blue with 5 gals today Marine Biochemists CuSO4 treatment on 6-13-17	08:30	SEB-1	24	FALSE	FALSE	0	13	11
15-Jun-17	SEB	Bird's Pond	dyed pond blue with 5 gals today Marine Biochemists CuSO4 treatment on 6-13-17	08:45	SEB-2	24	FALSE	FALSE	0	13	9
15-Jun-17	RDR	Spring		10:36	RDR-1	28	FALSE	FALSE	0	12	22
15-Jun-17	RDR	Spring		09:31	RDR-2	15	FALSE	FALSE	0	12	7
15-Jun-17	RDR	Spring		09:01	RDR-3	11	FALSE	FALSE	0	12	2
15-Jun-17	RTZP	Highland	On 4/20/2017 4.57 gallons of Sonar AS injected subsurface to control EWM	13:12	RTZP-1	81	FALSE	FALSE	0	7	29.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
15-Jun-17	RTZP	Highland		3.00	1.19	Partly Cloudy	Calm/Ripple	N	Above Normal	2
15-Jun-17	RTZP	Highland		3.00	1.19	Partly Cloudy	Calm/Ripple	N	Above Normal	2
15-Jun-17	RTZP	Highland		3.00	1.19	Partly Cloudy	Calm/Ripple	N	Above Normal	2
18-Jun-17	VTZ	Charlotte	Less Than 5%	2.00	0.39	Sunny	Calm/Ripple	NW	Normal or Full	0
18-Jun-17	VTZ	Charlotte	Less Than 5%	2.00	0.39	Sunny	Calm/Ripple	NW	Normal or Full	0
16-Jun-17	RTZV	Killarney	51% To 70%	2.50	3.8	Sunny	Small Waves	SW	Above Normal	2
16-Jun-17	RTZV	Killarney	51% To 70%	2.50	3.8	Sunny	Small Waves	SW	Above Normal	2
16-Jun-17	RTZV	Killarney	51% To 70%	2.50	3.8	Sunny	Small Waves	SW	Above Normal	2
19-Jun-17	RBD	Vermilion	Less Than 5%	6.00	0.6	Partly Cloudy	Moderate Waves	W	Normal or Full	0
19-Jun-17	RBD	Vermilion	Less Than 5%	6.00	0.6	Partly Cloudy	Moderate Waves	W	Normal or Full	0
19-Jun-17	RBD	Vermilion	Less Than 5%	6.00	0.6	Partly Cloudy	Moderate Waves	W	Normal or Full	0
12-Jun-17	RGV	Druce		2.00	0	Partly Cloudy	Small Waves	SW	No Selection	0
12-Jun-17	RGV	Druce		2.00	0	Partly Cloudy	Small Waves	SW	No Selection	0
12-Jun-17	RGV	Druce		2.00	0	Partly Cloudy	Small Waves	SW	No Selection	0
16-Jun-17	STO	Napa Suwe	51% To 70%	3.00	0.5	Sunny	Small Waves	S	Above Normal	1
16-Jun-17	STO	Napa Suwe	51% To 70%	3.00	0.5	Sunny	Small Waves	S	Above Normal	1
16-Jun-17	STO	Napa Suwe	51% To 70%	3.00	0.5	Sunny	Small Waves	S	Above Normal	1
19-Jun-17	RGZC	Fourth	Greater than 70%	2.50	0.68	Partly Cloudy	Small Waves	W	Normal or Full	0
19-Jun-17	RGZC	Fourth	Greater than 70%	2.50	0.68	Partly Cloudy	Small Waves	W	Normal or Full	0
19-Jun-17	RGZC	Fourth	Greater than 70%	2.50	0.68	Partly Cloudy	Small Waves	W	Normal or Full	0
19-Jun-17	RGZB	Hastings		4.00	0.68	Partly Cloudy	Small Waves	W	Normal or Full	0
19-Jun-17	RGZB	Hastings		4.00	0.68	Partly Cloudy	Small Waves	W	Normal or Full	0
14-May-17	RTJ	Long		12.00	0	Sunny	Calm/Ripple	E	Above Normal	6
14-May-17	RTJ	Long		12.00	0	Sunny	Calm/Ripple	E	Above Normal	6
14-May-17	RTJ	Long		12.00	0	Sunny	Calm/Ripple	E	Above Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
15-Jun-17	RTZP	Highland		Chara, long leaf pondweed, spadderdock, white water lily, remnants of dying EWM at lake inlet
15-Jun-17	RTZP	Highland		Chara, long leaf pondweed, spadderdock, white water lily, remnants of dying EWM at lake inlet
15-Jun-17	RTZP	Highland		Chara, long leaf pondweed, spadderdock, white water lily, remnants of dying EWM at lake inlet
18-Jun-17	VTZ	Charlotte		Rained last 2 days (6/16-6/17)
18-Jun-17	VTZ	Charlotte		Rained last 2 days (6/16-6/17)
16-Jun-17	RTZV	Killarney	Heavy Rains and High Winds during the past week	none noted
16-Jun-17	RTZV	Killarney	Heavy Rains and High Winds during the past week	none noted
16-Jun-17	RTZV	Killarney	Heavy Rains and High Winds during the past week	none noted
19-Jun-17	RBD	Vermilion		
19-Jun-17	RBD	Vermilion		
19-Jun-17	RBD	Vermilion		
12-Jun-17	RGV	Druce		
12-Jun-17	RGV	Druce		
12-Jun-17	RGV	Druce		
16-Jun-17	STO	Napa Suwe	90 deg. days for past week. Aquatic plants continue to thicken in the lake.	Lot's of filamentous algae seen in the lake
16-Jun-17	STO	Napa Suwe	90 deg. days for past week. Aquatic plants continue to thicken in the lake.	Lot's of filamentous algae seen in the lake
16-Jun-17	STO	Napa Suwe	90 deg. days for past week. Aquatic plants continue to thicken in the lake.	Lot's of filamentous algae seen in the lake
19-Jun-17	RGZC	Fourth	As usual, windy	Water level in launch area low, heavily vegetated and smelled like sewage.
19-Jun-17	RGZC	Fourth	As usual, windy	Water level in launch area low, heavily vegetated and smelled like sewage.
19-Jun-17	RGZC	Fourth	As usual, windy	Water level in launch area low, heavily vegetated and smelled like sewage.
19-Jun-17	RGZB	Hastings		
19-Jun-17	RGZB	Hastings		
14-May-17	RTJ	Long		
14-May-17	RTJ	Long		
14-May-17	RTJ	Long		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
15-Jun-17	RTZP	Highland	On 4/20/2017 4.57 gallons of Sonar AS injected subsurface to control EWM	12:42	RTZP-2	87	FALSE	FALSE	0	8	11
15-Jun-17	RTZP	Highland	On 4/20/2017 4.57 gallons of Sonar AS injected subsurface to control EWM	13:20	RTZP-3	72	TRUE	FALSE	1	8	6
15-Jun-17	RTZP	Highland	On 4/20/2017 4.57 gallons of Sonar AS injected subsurface to control EWM	13:24	RTZP-4	75	FALSE	FALSE	0	8	8
18-Jun-17	VTZ	Charlotte	Fathead minnows stocking on 6/12/17, approx 50#	10:15	VTZ-1	58	FALSE	FALSE	0	8	12
18-Jun-17	VTZ	Charlotte	Fathead minnows stocking on 6/12/17, approx 50#	10:45	VTZ-2	50	TRUE	FALSE	0	17	4
16-Jun-17	RTZV	Killarney	None in the past two weeks	14:30	RTZV-1	192	FALSE	FALSE	0	3	22
16-Jun-17	RTZV	Killarney	None in the past two weeks	15:05	RTZV-2	174	FALSE	FALSE	0	3	19
16-Jun-17	RTZV	Killarney	None in the past two weeks	15:35	RTZV-3	120	FALSE	FALSE	2	3	11
19-Jun-17	RBD	Vermilion		11:09	RBD-1	25	FALSE	FALSE	0	0	17.5
19-Jun-17	RBD	Vermilion		10:35	RBD-2	21	FALSE	FALSE	0	0	11.5
19-Jun-17	RBD	Vermilion		10:24	RBD-3	10	FALSE	FALSE	0	0	5.5
12-Jun-17	RGV	Druce		19:14	RGV-1	108	FALSE	FALSE	0	8	32.5
12-Jun-17	RGV	Druce		19:40	RGV-2	124	FALSE	FALSE	0	8	15.5
12-Jun-17	RGV	Druce		19:58	RGV-3	114	FALSE	FALSE	0	8	16
16-Jun-17	STO	Napa Suwe	No activity	15:50	STO-1	44	FALSE	FALSE	2	12	4
16-Jun-17	STO	Napa Suwe	No activity	16:10	STO-2	30	FALSE	TRUE	4	12	3.5
16-Jun-17	STO	Napa Suwe	No activity	16:25	STO-3	42	FALSE	FALSE	2	12	4
19-Jun-17	RGZC	Fourth		08:45	RGZC-1	24	FALSE	FALSE	3	12	3
19-Jun-17	RGZC	Fourth		09:00	RGZC-2	30	TRUE	FALSE	3	12	3
19-Jun-17	RGZC	Fourth		08:30	RGZC-3	36	FALSE	FALSE	3	13	3.5
19-Jun-17	RGZB	Hastings		11:00	RGZB-1	60	FALSE	FALSE	0	12	26
19-Jun-17	RGZB	Hastings		10:45	RGZB-3	60	FALSE	FALSE	0	12	14
14-May-17	RTJ	Long		10:15	RTJ-1	64	FALSE	FALSE	0	13	24
14-May-17	RTJ	Long		10:45	RTJ-2	82	FALSE	FALSE	0	13	25.5
14-May-17	RTJ	Long		11:15	RTJ-3	56	FALSE	FALSE	0	13	12.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
27-May-17	RTJ	Long		4.50	0.21	Sunny	Small Waves	E	Above Normal	3
27-May-17	RTJ	Long		4.50	0.21	Sunny	Small Waves	E	Above Normal	3
27-May-17	RTJ	Long		4.50	0.21	Sunny	Small Waves	E	Above Normal	3
12-Jun-17	RTJ	Long		6.00	0	Sunny	Small Waves	SW	Below Normal	2.5
12-Jun-17	RTJ	Long		6.00	0	Sunny	Small Waves	SW	Below Normal	2.5
12-Jun-17	RTJ	Long		6.00	0	Sunny	Small Waves	SW	Below Normal	2.5
20-Jun-17	SGB	Virginia	Less Than 5%	#VALUE!	1.5	Sunny	Calm/Ripple	SW	Above Normal	2
20-Jun-17	SGB	Virginia	Less Than 5%	#VALUE!	1.5	Sunny	Calm/Ripple	SW	Above Normal	2
20-Jun-17	SGB	Virginia	Less Than 5%	#VALUE!	1.5	Sunny	Calm/Ripple	SW	Above Normal	2
19-Jun-17	RDF	Otter	Less Than 5%	6.00	1.5	Sunny	Small Waves	NW	Above Normal	3.5
19-Jun-17	RDF	Otter	Less Than 5%	6.00	1.5	Sunny	Small Waves	NW	Above Normal	3.5
19-Jun-17	RDF	Otter	Less Than 5%	6.00	1.5	Sunny	Small Waves	NW	Above Normal	3.5
19-Jun-17	RDF	Otter	Less Than 5%	6.00	1.5	Sunny	Small Waves	NW	Above Normal	3.5
20-Jun-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jun-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jun-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jun-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jun-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	SW	Below Normal	0.5
30-May-17	RBC	Charleston Side Channel	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	6
30-May-17	RBC	Charleston Side Channel	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	6
30-May-17	RBC	Charleston Side Channel	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	6
21-Jun-17	RBC	Charleston Side Channel	Less Than 5%	4.00	0.13	Sunny	Calm/Ripple	W	Normal or Full	0
21-Jun-17	RBC	Charleston Side Channel	Less Than 5%	4.00	0.13	Sunny	Calm/Ripple	W	Normal or Full	0
21-Jun-17	RBC	Charleston Side Channel	Less Than 5%	4.00	0.13	Sunny	Calm/Ripple	W	Normal or Full	0
21-Jun-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
21-Jun-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
21-Jun-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
20-Jun-17	STM	La Fox Pond	Less Than 5%	3.00	0.7	Partly Cloudy	Calm/Ripple	SW	Above Normal	4

Sample Date	Lake Code	Waterbody	Observations	Other Information
27-May-17	RTJ	Long		
27-May-17	RTJ	Long		
27-May-17	RTJ	Long		
12-Jun-17	RTJ	Long		
12-Jun-17	RTJ	Long		
12-Jun-17	RTJ	Long		
20-Jun-17	SGB	Virginia	A drop in temperatures of 10-15 degrees. Lots of rain.	
20-Jun-17	SGB	Virginia	A drop in temperatures of 10-15 degrees. Lots of rain.	
20-Jun-17	SGB	Virginia	A drop in temperatures of 10-15 degrees. Lots of rain.	
19-Jun-17	RDF	Otter		
19-Jun-17	RDF	Otter		
19-Jun-17	RDF	Otter		
19-Jun-17	RDF	Otter		
20-Jun-17	RNC	Kinkaid	None	None
20-Jun-17	RNC	Kinkaid	None	None
20-Jun-17	RNC	Kinkaid	None	None
20-Jun-17	RNC	Kinkaid	None	None
20-Jun-17	RND	Murphysboro	None	None
30-May-17	RBC	Charleston Side Channel		
30-May-17	RBC	Charleston Side Channel		
30-May-17	RBC	Charleston Side Channel		
21-Jun-17	RBC	Charleston Side Channel		
21-Jun-17	RBC	Charleston Side Channel		
21-Jun-17	RBC	Charleston Side Channel		
21-Jun-17	RJZK	Gamlin	Great shape -- clear no algae smells great.	some floating blue/green algae globs.
21-Jun-17	RJZK	Gamlin	Great shape -- clear no algae smells great.	some floating blue/green algae globs.
21-Jun-17	RJZK	Gamlin	Great shape -- clear no algae smells great.	some floating blue/green algae globs.
20-Jun-17	STM	La Fox Pond		Horned pondweed (most has died), Chara, Filamentous Algae -Secchi color readings greatly affected by aquashade blue dye.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
27-May-17	RTJ	Long		10:20	RTJ-1	94	FALSE	FALSE	0	13	25
27-May-17	RTJ	Long		10:40	RTJ-2	99	FALSE	FALSE	0	13	25
27-May-17	RTJ	Long		11:05	RTJ-3	92	FALSE	FALSE	0	13	14.5
12-Jun-17	RTJ	Long		09:05	RTJ-1	67	FALSE	FALSE	0	13	25
12-Jun-17	RTJ	Long		09:25	RTJ-2	40	FALSE	FALSE	0	13	24
12-Jun-17	RTJ	Long		09:50	RTJ-3	44	FALSE	FALSE	0	13	14
20-Jun-17	SGB	Virginia		10:25	SGB-1	248	FALSE	FALSE	0	3	62
20-Jun-17	SGB	Virginia		09:55	SGB-2	246	FALSE	FALSE	0	3	45
20-Jun-17	SGB	Virginia		09:20	SGB-3	242	FALSE	FALSE	0	3	43
19-Jun-17	RDF	Otter		10:00	RDF-1	46	FALSE	FALSE	0	12	49.5
19-Jun-17	RDF	Otter		10:23	RDF-2	46	FALSE	FALSE	0	12	29
19-Jun-17	RDF	Otter		11:23	RDF-3	14	FALSE	FALSE	0	12	8.5
19-Jun-17	RDF	Otter		10:54	RDF-4	30	FALSE	FALSE	0	12	29
20-Jun-17	RNC	Kinkaid	None	10:22	RNC-1	66	FALSE	FALSE	0	13	58
20-Jun-17	RNC	Kinkaid	None	09:59	RNC-2	62	FALSE	FALSE	0	13	40
20-Jun-17	RNC	Kinkaid	None	09:40	RNC-3	54	FALSE	FALSE	0	13	27
20-Jun-17	RNC	Kinkaid	None	10:55	RNC-9	56	FALSE	FALSE	0	13	23
20-Jun-17	RND	Murphysboro	None	13:30	RND-1	36	FALSE	FALSE	0	12	7
30-May-17	RBC	Charleston Side Channel		11:20	RBC-1	15	FALSE	FALSE	0	8	14
30-May-17	RBC	Charleston Side Channel		11:41	RBC-2	19	FALSE	FALSE	0	12	12
30-May-17	RBC	Charleston Side Channel		11:50	RBC-3	17	FALSE	FALSE	0	12	11.5
21-Jun-17	RBC	Charleston Side Channel	Aerators at 50%	10:00	RBC-1	7	FALSE	FALSE	0	13	13.5
21-Jun-17	RBC	Charleston Side Channel	Aerators at 50%	10:30	RBC-2	9	FALSE	FALSE	0	14	9
21-Jun-17	RBC	Charleston Side Channel	Aerators at 50%	10:50	RBC-3	10	FALSE	FALSE	0	15	10
21-Jun-17	RJZK	Gamlin	nothing.	16:00	RJZK-1	34	FALSE	FALSE	1	17	6
21-Jun-17	RJZK	Gamlin	nothing.	16:30	RJZK-2	36	FALSE	FALSE	1	17	6.5
21-Jun-17	RJZK	Gamlin	nothing.	16:40	RJZK-3	35	FALSE	FALSE	1	17	7
20-Jun-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 5/30/17 - pond treated w 2.5 G Cutrine Ultra, 1 G Clearigate, 2 G Reward 6/8/17 pond treated w 3.5 G Reward, 0.5G Cutrine Ultra, 5 G Aquashade	10:10	STM-1	108	FALSE	FALSE	0	20	9.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
20-Jun-17	STM	La Fox Pond	Less Than 5%	3.00	0.7	Partly Cloudy	Calm/Ripple	SW	Above Normal	4
20-Jun-17	STM	La Fox Pond	Less Than 5%	3.00	0.7	Partly Cloudy	Calm/Ripple	SW	Above Normal	4
16-Jun-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1.2	Sunny	Small Waves	SW	Below Normal	3
16-Jun-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1.2	Sunny	Small Waves	SW	Below Normal	3
16-Jun-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1.2	Sunny	Small Waves	SW	Below Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
20-Jun-17	STM	La Fox Pond		Horned pondweed (most has died), Chara, Filamentous Algae -Secchi color readings greatly affected by aquashade blue dye.
20-Jun-17	STM	La Fox Pond		Horned pondweed (most has died), Chara, Filamentous Algae -Secchi color readings greatly affected by aquashade blue dye.
16-Jun-17	RPZI	Richardson Wildlife		Horned Pondweed has mostly died back, more Chara than observed here previously, some minor filamentous aglae -Secchi color readings greatly affected by aquashade blue dye. 6/1/17 pond treated w 12.5 G Aquashade, 7.5 G Reward, 7.5G Cutrine Ultra, 2G Clearigate
16-Jun-17	RPZI	Richardson Wildlife		Horned Pondweed has mostly died back, more Chara than observed here previously, some minor filamentous aglae -Secchi color readings greatly affected by aquashade blue dye. 6/1/17 pond treated w 12.5 G Aquashade, 7.5 G Reward, 7.5G Cutrine Ultra, 2G Clearigate
16-Jun-17	RPZI	Richardson Wildlife		Horned Pondweed has mostly died back, more Chara than observed here previously, some minor filamentous aglae -Secchi color readings greatly affected by aquashade blue dye. 6/1/17 pond treated w 12.5 G Aquashade, 7.5 G Reward, 7.5G Cutrine Ultra, 2G Clearigate

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
20-Jun-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 5/30/17 - pond treated w 2.5 G Cutrine Ultra, 1 G Clearigate, 2 G Reward 6/8/17 pond treated w 3.5 G Reward, 0.5G Cutrine Ultra, 5 G Aquashade	10:19	STM-2	72	TRUE	FALSE	0	20	6
20-Jun-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 5/30/17 - pond treated w 2.5 G Cutrine Ultra, 1 G Clearigate, 2 G Reward 6/8/17 pond treated w 3.5 G Reward, 0.5G Cutrine Ultra, 5 G Aquashade	10:28	STM-3	80	TRUE	FALSE	1	20	6.5
16-Jun-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	12:55	RPZI-1	36	FALSE	FALSE	0	1	7.5
16-Jun-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	13:05	RPZI-2	34	FALSE	FALSE	0	1	7.5
16-Jun-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	13:15	RPZI-3	36	FALSE	FALSE	1	1	3.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Jun-17	RGR	Charles		5.00	0	Partly Cloudy	Small Waves	W	Below Normal	2.5
19-Jun-17	RGR	Charles		5.00	0	Partly Cloudy	Small Waves	W	Below Normal	2.5
19-Jun-17	RGR	Charles		5.00	0	Partly Cloudy	Small Waves	W	Below Normal	2.5
16-Jun-17	REE	Dawson	Less Than 5%	1.00	1	Sunny	Small Waves	S	Normal or Full	0
16-Jun-17	REE	Dawson	Less Than 5%	1.00	1	Sunny	Small Waves	S	Normal or Full	0
16-Jun-17	REE	Dawson	Less Than 5%	1.00	1	Sunny	Small Waves	S	Normal or Full	0
24-Jun-17	RNJ	Devils Kitchen		4.00	0.1	Partly Cloudy	Small Waves	N	Above Normal	2
24-Jun-17	RNJ	Devils Kitchen		4.00	0.1	Partly Cloudy	Small Waves	N	Above Normal	2
24-Jun-17	RNJ	Devils Kitchen		4.00	0.1	Partly Cloudy	Small Waves	N	Above Normal	2
26-Jun-17	RTW	Silver		10.00	0	Sunny	Small Waves	W	Above Normal	1
26-Jun-17	RTW	Silver		10.00	0	Sunny	Small Waves	W	Above Normal	1
26-Jun-17	RTW	Silver		10.00	0	Sunny	Small Waves	W	Above Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Jun-17	RGR	Charles		dragonflies,tern, brood of ducks,chara, curly, small fish, 15 aerators on tho one at Geraci-Ricciardi has poor flow, sago, horned, cattail, pickerel, waterwillow, spirogyra
19-Jun-17	RGR	Charles		dragonflies,tern, brood of ducks,chara, curly, small fish, 15 aerators on tho one at Geraci-Ricciardi has poor flow, sago, horned, cattail, pickerel, waterwillow, spirogyra
19-Jun-17	RGR	Charles		dragonflies,tern, brood of ducks,chara, curly, small fish, 15 aerators on tho one at Geraci-Ricciardi has poor flow, sago, horned, cattail, pickerel, waterwillow, spirogyra
16-Jun-17	REE	Dawson	Wind S @ 7 mph	
16-Jun-17	REE	Dawson	Wind S @ 7 mph	
16-Jun-17	REE	Dawson	Wind S @ 7 mph	
24-Jun-17	RNJ	Devils Kitchen		
24-Jun-17	RNJ	Devils Kitchen		
24-Jun-17	RNJ	Devils Kitchen		
26-Jun-17	RTW	Silver	Cool with passing thunder storms	Boating, ducks, geese. Algae (type ?) draped over weeds in s/w bay
26-Jun-17	RTW	Silver	Cool with passing thunder storms	Boating, ducks, geese. Algae (type ?) draped over weeds in s/w bay
26-Jun-17	RTW	Silver	Cool with passing thunder storms	Boating, ducks, geese. Algae (type ?) draped over weeds in s/w bay

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Jun-17	RGR	Charles	13Jun2017: 2 gals aquatheon, 2 gal cutrine, 4 gal black onyx, DO=5.9; 1-S:8.70pH,79.3F,644ms,322ppm; 1-17:8.16pH,75.3F,595ms,297ppm; 2-S:8.04pH,79.3F,601ms,300ppm; 2-4:8.03pH,77.5F,602ms,300ppm; 3-S:8.14pH,77.9F,611ms,305ppm; 3-3:8.12pH,79.6F,610ms,307ppm;	13:35	RGR-1	48	FALSE	FALSE	0	12	19
19-Jun-17	RGR	Charles	13Jun2017: 2 gals aquatheon, 2 gal cutrine, 4 gal black onyx, DO=5.9; 1-S:8.70pH,79.3F,644ms,322ppm; 1-17:8.16pH,75.3F,595ms,297ppm; 2-S:8.04pH,79.3F,601ms,300ppm; 2-4:8.03pH,77.5F,602ms,300ppm; 3-S:8.14pH,77.9F,611ms,305ppm; 3-3:8.12pH,79.6F,610ms,307ppm;	10:25	RGR-2	44	FALSE	FALSE	0	12	6.5
19-Jun-17	RGR	Charles	13Jun2017: 2 gals aquatheon, 2 gal cutrine, 4 gal black onyx, DO=5.9; 1-S:8.70pH,79.3F,644ms,322ppm; 1-17:8.16pH,75.3F,595ms,297ppm; 2-S:8.04pH,79.3F,601ms,300ppm; 2-4:8.03pH,77.5F,602ms,300ppm; 3-S:8.14pH,77.9F,611ms,305ppm; 3-3:8.12pH,79.6F,610ms,307ppm;	11:35	RGR-3	48	FALSE	FALSE	0	12	5
16-Jun-17	REE	Dawson		11:35	REE-1	72	FALSE	FALSE	0	7	24
16-Jun-17	REE	Dawson		11:04	REE-2	50	FALSE	FALSE	0	8	12
16-Jun-17	REE	Dawson		10:28	REE-3	42	FALSE	FALSE	0	8	7
24-Jun-17	RNJ	Devils Kitchen		13:35	RNJ-1	60	FALSE	FALSE	3	13	18
24-Jun-17	RNJ	Devils Kitchen		14:15	RNJ-2	48	FALSE	FALSE	3	13	35
24-Jun-17	RNJ	Devils Kitchen		15:30	RNJ-3	48	FALSE	FALSE	2	13	40
26-Jun-17	RTW	Silver	No aeration. Surface temp = 74.6 F D.O.= 6.7 Bottom temp = 75 F D.O.= 6.2	09:24	RTW-1	96	FALSE	FALSE	0	12	16
26-Jun-17	RTW	Silver	No aeration. Surface temp = 74.6 F D.O.= 6.7 Bottom temp = 75 F D.O.= 6.2	09:38	RTW-2	108	TRUE	FALSE	1	12	9
26-Jun-17	RTW	Silver	No aeration. Surface temp = 74.6 F D.O.= 6.7 Bottom temp = 75 F D.O.= 6.2	09:48	RTW-3	36	FALSE	TRUE	3	12	5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
16-Jun-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	W	Above Normal	6
16-Jun-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	W	Above Normal	6
16-Jun-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	W	Above Normal	6
26-Jun-17	RGW	Third	No Selection	2.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
26-Jun-17	RGW	Third	No Selection	2.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
26-Jun-17	RGW	Third	No Selection	2.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
10-Jun-17	RGQ	Countryside	Greater than 70%	3.00	3	Sunny	Calm/Ripple	NE	Above Normal	4
10-Jun-17	RGQ	Countryside	Greater than 70%	3.00	3	Sunny	Calm/Ripple	NE	Above Normal	4
10-Jun-17	RGQ	Countryside	Greater than 70%	3.00	3	Sunny	Calm/Ripple	NE	Above Normal	4
26-Jun-17	RGQ	Countryside	51% To 70%	6.00	0	Sunny	Calm/Ripple	N	Below Normal	4
26-Jun-17	RGQ	Countryside	51% To 70%	6.00	0	Sunny	Calm/Ripple	N	Below Normal	4
26-Jun-17	RGQ	Countryside	51% To 70%	6.00	0	Sunny	Calm/Ripple	N	Below Normal	4
26-Jun-17	RTZV	Killarney	51% To 70%	3.00	0.3	Partly Cloudy	Small Waves	NW	Above Normal	2
26-Jun-17	RTZV	Killarney	51% To 70%	3.00	0.3	Partly Cloudy	Small Waves	NW	Above Normal	2
26-Jun-17	RTZV	Killarney	51% To 70%	3.00	0.3	Partly Cloudy	Small Waves	NW	Above Normal	2
26-Jun-17	RTJ	Long		3.50	0.25	Sunny	Small Waves	W	Above Normal	2.5
26-Jun-17	RTJ	Long		3.50	0.25	Sunny	Small Waves	W	Above Normal	2.5
26-Jun-17	RTJ	Long		3.50	0.25	Sunny	Small Waves	W	Above Normal	2.5
25-Jun-17	REZL	Twin Oaks	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	7
25-Jun-17	REZL	Twin Oaks	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	7
25-Jun-17	REZL	Twin Oaks	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	7
25-Jun-17	REZL	Twin Oaks	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	7
26-Jun-17	RAL	Lake of Egypt	No Selection	6.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
26-Jun-17	RAL	Lake of Egypt	No Selection	6.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
26-Jun-17	RAL	Lake of Egypt	No Selection	6.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
16-Jun-17	RGW	Third		Aerators were off
16-Jun-17	RGW	Third		Aerators were off
16-Jun-17	RGW	Third		Aerators were off
26-Jun-17	RGW	Third		
26-Jun-17	RGW	Third		
26-Jun-17	RGW	Third		
10-Jun-17	RGQ	Countryside	Tons of dead or floating weeds from the ground to the surface of the lake.	Water is still very clear
10-Jun-17	RGQ	Countryside	Tons of dead or floating weeds from the ground to the surface of the lake.	Water is still very clear
10-Jun-17	RGQ	Countryside	Tons of dead or floating weeds from the ground to the surface of the lake.	Water is still very clear
26-Jun-17	RGQ	Countryside	algae Has taken Over the water, And the floating weeds recorded before are all gone	
26-Jun-17	RGQ	Countryside	algae Has taken Over the water, And the floating weeds recorded before are all gone	
26-Jun-17	RGQ	Countryside	algae Has taken Over the water, And the floating weeds recorded before are all gone	
26-Jun-17	RTZV	Killarney	High Winds	
26-Jun-17	RTZV	Killarney	High Winds	
26-Jun-17	RTZV	Killarney	High Winds	
26-Jun-17	RTJ	Long		
26-Jun-17	RTJ	Long		
26-Jun-17	RTJ	Long		
25-Jun-17	REZL	Twin Oaks	dry	watermeal, Southern nayaid
25-Jun-17	REZL	Twin Oaks	dry	watermeal, Southern nayaid
25-Jun-17	REZL	Twin Oaks	dry	watermeal, Southern nayaid
25-Jun-17	REZL	Twin Oaks	dry	watermeal, Southern nayaid
26-Jun-17	RAL	Lake of Egypt	we had 5 inches rain on 6/23	
26-Jun-17	RAL	Lake of Egypt	we had 5 inches rain on 6/23	
26-Jun-17	RAL	Lake of Egypt	we had 5 inches rain on 6/23	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
16-Jun-17	RGW	Third		13:50	RGW-1	75	FALSE	FALSE	-1	12	66
16-Jun-17	RGW	Third		13:58	RGW-2	78	FALSE	FALSE	-1	12	25
16-Jun-17	RGW	Third		14:10	RGW-3	64	FALSE	FALSE	-1	12	17
26-Jun-17	RGW	Third		10:50	RGW-1	96	FALSE	FALSE	-1	12	52
26-Jun-17	RGW	Third		10:59	RGW-2	99	FALSE	FALSE	-1	12	27
26-Jun-17	RGW	Third		11:12	RGW-3	75	FALSE	FALSE	-1	12	18
10-Jun-17	RGQ	Countryside		10:20	RGQ-1	86	TRUE	FALSE	4	17	7
10-Jun-17	RGQ	Countryside		10:32	RGQ-2	95	TRUE	FALSE	3	17	8
10-Jun-17	RGQ	Countryside		10:43	RGQ-3	94	TRUE	FALSE	3	17	8
26-Jun-17	RGQ	Countryside		12:35	RGQ-1	96	FALSE	TRUE	1	12	8.5
26-Jun-17	RGQ	Countryside		12:45	RGQ-2	60	FALSE	TRUE	2	12	8.5
26-Jun-17	RGQ	Countryside		12:55	RGQ-3	60	FALSE	TRUE	2	12	8
26-Jun-17	RTZV	Killarney	None past two weeks	14:30	RTZV-1	174	FALSE	FALSE	0	3	22
26-Jun-17	RTZV	Killarney	None past two weeks	15:00	RTZV-2	156	FALSE	FALSE	0	3	18
26-Jun-17	RTZV	Killarney	None past two weeks	15:25	RTZV-3	126	TRUE	FALSE	2	3	10.5
26-Jun-17	RTJ	Long		09:40	RTJ-1	33	FALSE	FALSE	0	13	25
26-Jun-17	RTJ	Long		10:00	RTJ-2	32	FALSE	FALSE	0	13	24
26-Jun-17	RTJ	Long		10:20	RTJ-3	28	FALSE	FALSE	0	13	18.5
25-Jun-17	REZL	Twin Oaks	aerators on; Aquashade applied 2 weeks ago--lake color blue-green, hence, no color observations	14:30	REZL-1	18	FALSE	FALSE	0	0	4
25-Jun-17	REZL	Twin Oaks	aerators on; Aquashade applied 2 weeks ago--lake color blue-green, hence, no color observations	14:10	REZL-2	20	FALSE	FALSE	0	0	3.5
25-Jun-17	REZL	Twin Oaks	aerators on; Aquashade applied 2 weeks ago--lake color blue-green, hence, no color observations	13:50	REZL-3	22	FALSE	FALSE	0	0	3.5
25-Jun-17	REZL	Twin Oaks	aerators on; Aquashade applied 2 weeks ago--lake color blue-green, hence, no color observations	13:35	REZL-4	18	FALSE	FALSE	0	0	4.5
26-Jun-17	RAL	Lake of Egypt		09:58	RAL-1	42	FALSE	FALSE	0	13	37
26-Jun-17	RAL	Lake of Egypt		10:15	RAL-2	60	FALSE	FALSE	0	12	33
26-Jun-17	RAL	Lake of Egypt		10:27	RAL-3	44	FALSE	FALSE	0	12	10

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
24-Jun-17	RGP	Minear	51% To 70%	1.00	1	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
24-Jun-17	RGP	Minear	51% To 70%	1.00	1	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
24-Jun-17	RGP	Minear	51% To 70%	1.00	1	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
24-Jun-17	RGP	Minear	51% To 70%	1.00	1	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
13-Jun-17	RTZF	Tower	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
13-Jun-17	RTZF	Tower	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
13-Jun-17	RTZF	Tower	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
23-Jun-17	VTZJ	Louise	Less Than 5%	0.50	1	Partly Cloudy	Calm/Ripple	NONE	Above Normal	1
23-Jun-17	VTZJ	Louise	Less Than 5%	0.50	1	Partly Cloudy	Calm/Ripple	NONE	Above Normal	1
23-Jun-17	VTZJ	Louise	Less Than 5%	0.50	1	Partly Cloudy	Calm/Ripple	NONE	Above Normal	1
13-Jun-17	WGZY	Swan	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Above Normal	12
13-Jun-17	WGZY	Swan	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Above Normal	12
26-Jun-17	WGZY	Swan	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	8.4
26-Jun-17	WGZY	Swan	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	8.4
13-Jun-17	RMJ	Apple Canyon	Less Than 5%	9.00	0.75	Sunny	Small Waves	S	Normal or Full	0
13-Jun-17	RMJ	Apple Canyon	Less Than 5%	9.00	0.75	Sunny	Small Waves	S	Normal or Full	0
13-Jun-17	RMJ	Apple Canyon	Less Than 5%	9.00	0.75	Sunny	Small Waves	S	Normal or Full	0
26-Jun-17	RMJ	Apple Canyon	Less Than 5%	10.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RMJ	Apple Canyon	Less Than 5%	10.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RMJ	Apple Canyon	Less Than 5%	10.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
31-May-17	RTZU	Honey		2.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
31-May-17	RTZU	Honey		2.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
31-May-17	RTZU	Honey		2.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
13-Jun-17	RTZU	Honey		1.50	0	Sunny	Calm/Ripple	E	Normal or Full	0
13-Jun-17	RTZU	Honey		1.50	0	Sunny	Calm/Ripple	E	Normal or Full	0
13-Jun-17	RTZU	Honey		1.50	0	Sunny	Calm/Ripple	E	Normal or Full	0
27-Jun-17	RGZM	Valley	Less Than 5%	1.50	0.05	Sunny	Calm/Ripple	S	Above Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
24-Jun-17	RGP	Minear	Decrease in weeds due to treatment	Reduction of filamentous algae
24-Jun-17	RGP	Minear	Decrease in weeds due to treatment	Reduction of filamentous algae
24-Jun-17	RGP	Minear	Decrease in weeds due to treatment	Reduction of filamentous algae
24-Jun-17	RGP	Minear	Decrease in weeds due to treatment	Reduction of filamentous algae
13-Jun-17	RTZF	Tower		lily pads
13-Jun-17	RTZF	Tower		lily pads
13-Jun-17	RTZF	Tower		lily pads
23-Jun-17	VTZJ	Louise		
23-Jun-17	VTZJ	Louise		
23-Jun-17	VTZJ	Louise		
13-Jun-17	WGZY	Swan		
13-Jun-17	WGZY	Swan		
26-Jun-17	WGZY	Swan		Some surface green algae on windswept shorelines.
26-Jun-17	WGZY	Swan		Some surface green algae on windswept shorelines.
13-Jun-17	RMJ	Apple Canyon	None	
13-Jun-17	RMJ	Apple Canyon	None	
13-Jun-17	RMJ	Apple Canyon	None	
26-Jun-17	RMJ	Apple Canyon	None	
26-Jun-17	RMJ	Apple Canyon	None	
26-Jun-17	RMJ	Apple Canyon	None	
31-May-17	RTZU	Honey		
31-May-17	RTZU	Honey		
31-May-17	RTZU	Honey		
13-Jun-17	RTZU	Honey		
13-Jun-17	RTZU	Honey		
13-Jun-17	RTZU	Honey		
27-Jun-17	RGZM	Valley		small amount of filamentous algae near the north side of the lake

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
24-Jun-17	RGP	Minear		12:45	RGP-1	128	FALSE	FALSE	2	17	14.5
24-Jun-17	RGP	Minear		12:50	RGP-2	131	FALSE	TRUE	1	8	16
24-Jun-17	RGP	Minear		12:30	RGP-3	110	FALSE	FALSE	1	17	15.5
24-Jun-17	RGP	Minear		12:35	RGP-4	108	FALSE	FALSE	2	17	16.5
13-Jun-17	RTZF	Tower		07:10	RTZF-1	62	FALSE	FALSE	-1	13	5.7
13-Jun-17	RTZF	Tower		07:30	RTZF-2	70	FALSE	FALSE	-1	13	7
13-Jun-17	RTZF	Tower		07:50	RTZF-1	52	FALSE	TRUE	-1	12	5
23-Jun-17	VTZJ	Louise		12:00	VTZJ-1	11	FALSE	FALSE	-1	4	5.5
23-Jun-17	VTZJ	Louise		12:10	VTZJ-3	9	FALSE	FALSE	-1	4	4
23-Jun-17	VTZJ	Louise		12:20	VTZJ-2	12	FALSE	FALSE	-1	4	5.5
13-Jun-17	WGZY	Swan	Summer aeration system running.	10:30	WGZY-1	59	FALSE	FALSE	0	12	12.5
13-Jun-17	WGZY	Swan	Summer aeration system running.	11:35	WGZY-2	59	FALSE	FALSE	0	13	11
26-Jun-17	WGZY	Swan	Summer aeration system running.	10:00	WGZY-1	53	FALSE	FALSE	0	13	12
26-Jun-17	WGZY	Swan	Summer aeration system running.	10:37	WGZY-2	47	FALSE	FALSE	0	12	12
13-Jun-17	RMJ	Apple Canyon	Weed Harvesting Dredging in 1 bay	07:50	RMJ-1	162	FALSE	FALSE	0	0	56
13-Jun-17	RMJ	Apple Canyon	Weed Harvesting Dredging in 1 bay	08:40	RMJ-2	166	FALSE	FALSE	0	0	47
13-Jun-17	RMJ	Apple Canyon	Weed Harvesting Dredging in 1 bay	09:20	RMJ-3	96	FALSE	FALSE	1	0	11
26-Jun-17	RMJ	Apple Canyon	Weed Harvesting Dredging in 1 bay	08:20	RMJ-1	162	FALSE	FALSE	0	0	40
26-Jun-17	RMJ	Apple Canyon	Weed Harvesting Dredging in 1 bay	08:45	RMJ-2	142	FALSE	FALSE	0	0	47
26-Jun-17	RMJ	Apple Canyon	Weed Harvesting Dredging in 1 bay	09:15	RMJ-3	93	FALSE	FALSE	1	0	11
31-May-17	RTZU	Honey		12:06	RTZU-1	36	FALSE	FALSE	0	13	19
31-May-17	RTZU	Honey		12:22	RTZU-2	36	FALSE	FALSE	0	13	19
31-May-17	RTZU	Honey		12:38	RTZU-3	39	FALSE	FALSE	0	13	19
13-Jun-17	RTZU	Honey		12:05	RTZU-1	48	FALSE	FALSE	0	13	19
13-Jun-17	RTZU	Honey		12:22	RTZU-2	19	FALSE	FALSE	0	13	19
13-Jun-17	RTZU	Honey		12:40	RTZU-3	49	FALSE	FALSE	0	13	19
27-Jun-17	RGZM	Valley	lake was treated on 6-19 by Marine Biochemists with beneficial bacteria to reduce nutrient levels and organic material in the lake	10:51	RGZM-1	39	FALSE	FALSE	0	12	9.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
27-Jun-17	RGZM	Valley	Less Than 5%	1.50	0.05	Sunny	Calm/Ripple	S	Above Normal	2
27-Jun-17	RGZM	Valley	Less Than 5%	1.50	0.05	Sunny	Calm/Ripple	S	Above Normal	2
08-Jun-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	3
08-Jun-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	3
08-Jun-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	3
28-Jun-17	RCE	Sara	Less Than 5%	4.00	0	Overcast	Calm/Ripple	S	Below Normal	6
28-Jun-17	RCE	Sara	Less Than 5%	4.00	0	Overcast	Calm/Ripple	S	Below Normal	6
28-Jun-17	RCE	Sara	Less Than 5%	4.00	0	Overcast	Calm/Ripple	S	Below Normal	6
14-Jun-17	RBU	Crystal	Less Than 5%	2.25	0	Sunny	Calm/Ripple	SE	Below Normal	8
14-Jun-17	RBU	Crystal	Less Than 5%	2.25	0	Sunny	Calm/Ripple	SE	Below Normal	8
14-Jun-17	RBU	Crystal	Less Than 5%	2.25	0	Sunny	Calm/Ripple	SE	Below Normal	8
28-Jun-17	RBU	Crystal	Less Than 5%	2.25	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	18
28-Jun-17	RBU	Crystal	Less Than 5%	2.25	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	18
28-Jun-17	RBU	Crystal	Less Than 5%	2.25	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	18
01-Jul-17	RNJ	Devils Kitchen	No Selection	4.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
01-Jul-17	RNJ	Devils Kitchen	No Selection	4.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
01-Jul-17	RNJ	Devils Kitchen	No Selection	4.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
30-Jun-17	RTZU	Honey		3.00	2.99	Partly Cloudy	Calm/Ripple	W	Above Normal	6
30-Jun-17	RTZU	Honey		3.00	2.99	Partly Cloudy	Calm/Ripple	W	Above Normal	6
30-Jun-17	RTZU	Honey		3.00	2.99	Partly Cloudy	Calm/Ripple	W	Above Normal	6
25-Jun-17	RGU	Loch Lomond	Less Than 5%	#VALUE!	1.5	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
25-Jun-17	RGU	Loch Lomond	Less Than 5%	#VALUE!	1.5	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
25-Jun-17	RGU	Loch Lomond	Less Than 5%	#VALUE!	1.5	Partly Cloudy	Moderate Waves	NONE	Normal or Full	0
30-Jun-17	WGZU	Big Bear		0.75	3.5	Partly Cloudy	Calm/Ripple	SW	Above Normal	0
30-Jun-17	WGZU	Big Bear		0.75	3.5	Partly Cloudy	Calm/Ripple	SW	Above Normal	0
30-Jun-17	WGZU	Big Bear		0.75	3.5	Partly Cloudy	Calm/Ripple	SW	Above Normal	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
27-Jun-17	RGZM	Valley		small amount of filamentous algae near the north side of the lake
27-Jun-17	RGZM	Valley		small amount of filamentous algae near the north side of the lake
08-Jun-17	RCE	Sara		
08-Jun-17	RCE	Sara		
08-Jun-17	RCE	Sara		
28-Jun-17	RCE	Sara		
28-Jun-17	RCE	Sara		
28-Jun-17	RCE	Sara		
14-Jun-17	RBU	Crystal	It was discovered that an overflow outlet was leaking below water level, causing the lake to drop	
14-Jun-17	RBU	Crystal	It was discovered that an overflow outlet was leaking below water level, causing the lake to drop	
14-Jun-17	RBU	Crystal	It was discovered that an overflow outlet was leaking below water level, causing the lake to drop	
28-Jun-17	RBU	Crystal		
28-Jun-17	RBU	Crystal		
28-Jun-17	RBU	Crystal		
01-Jul-17	RNJ	Devils Kitchen		
01-Jul-17	RNJ	Devils Kitchen		
01-Jul-17	RNJ	Devils Kitchen		
30-Jun-17	RTZU	Honey		
30-Jun-17	RTZU	Honey		
30-Jun-17	RTZU	Honey		
25-Jun-17	RGU	Loch Lomond		
25-Jun-17	RGU	Loch Lomond		
25-Jun-17	RGU	Loch Lomond		
30-Jun-17	WGZU	Big Bear	lake above average	
30-Jun-17	WGZU	Big Bear	lake above average	
30-Jun-17	WGZU	Big Bear	lake above average	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
27-Jun-17	RGZM	Valley	lake was treated on 6-19 by Marine Biochemists with beneficial bacteria to reduce nutrient levels and organic material in the lake	11:10	RGZM-2	39	FALSE	FALSE	0	12	7.5
27-Jun-17	RGZM	Valley	lake was treated on 6-19 by Marine Biochemists with beneficial bacteria to reduce nutrient levels and organic material in the lake	11:20	RGZM-3	42	FALSE	FALSE	0	13	7
08-Jun-17	RCE	Sara		11:03	RCE-1	36	FALSE	FALSE	0	0	47
08-Jun-17	RCE	Sara		11:12	RCE-2	36	FALSE	FALSE	0	0	35
08-Jun-17	RCE	Sara		11:21	RCE-3	39	FALSE	FALSE	0	0	18
28-Jun-17	RCE	Sara		10:40	RCE-1	42	FALSE	FALSE	0	0	47
28-Jun-17	RCE	Sara		10:54	RCE-2	45	FALSE	FALSE	0	0	35
28-Jun-17	RCE	Sara		11:03	RCE-3	45	FALSE	FALSE	0	0	18
14-Jun-17	RBU	Crystal		13:25	RBU-1	48	FALSE	FALSE	0	17	8
14-Jun-17	RBU	Crystal		13:20	RBU-3	81	FALSE	FALSE	0	13	8
14-Jun-17	RBU	Crystal		13:12	RBU-7	75	FALSE	FALSE	0	8	8.5
28-Jun-17	RBU	Crystal	Water level has been lowered for maintenance on a leaking overflow outlet	13:55	RBU-1	38	FALSE	FALSE	0	3	7
28-Jun-17	RBU	Crystal	Water level has been lowered for maintenance on a leaking overflow outlet	43:13	RBU-3	43	FALSE	FALSE	0	8	6.5
28-Jun-17	RBU	Crystal	Water level has been lowered for maintenance on a leaking overflow outlet	13:39	RBU-7	48	FALSE	FALSE	0	12	8
01-Jul-17	RNJ	Devils Kitchen		11:30	RNJ-1	60	FALSE	FALSE	3	13	30
01-Jul-17	RNJ	Devils Kitchen		11:57	RNJ-2	60	FALSE	FALSE	3	13	24
01-Jul-17	RNJ	Devils Kitchen		12:30	RNJ-3	60	FALSE	FALSE	2	13	25
30-Jun-17	RTZU	Honey		07:45	RTZU-1	50	FALSE	FALSE	0	13	20
30-Jun-17	RTZU	Honey		08:00	RTZU-2	50	FALSE	FALSE	0	13	19
30-Jun-17	RTZU	Honey		08:15	RTZU-3	51	FALSE	FALSE	0	13	19
25-Jun-17	RGU	Loch Lomond	Diquat application Thursday 6/22	15:45	RGU-1	36	FALSE	FALSE	0	17	7.5
25-Jun-17	RGU	Loch Lomond	Diquat application Thursday 6/22	16:05	RGU-2	48	FALSE	FALSE	0	17	7.5
25-Jun-17	RGU	Loch Lomond	Diquat application Thursday 6/22	4:26	RGU-3	30	FALSE	FALSE	0	13	4.5
30-Jun-17	WGZU	Big Bear		13:00	WGZU-1	36	FALSE	FALSE	0	8	7
30-Jun-17	WGZU	Big Bear		13:05	WGZU-2	36	FALSE	FALSE	0	8	10
30-Jun-17	WGZU	Big Bear		13:10	WGZU-1	36	FALSE	FALSE	0	8	8

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
21-Jun-17	VTJ	Bluff		1.00	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	2.5
21-Jun-17	VTJ	Bluff		1.00	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	2.5
21-Jun-17	VTJ	Bluff		1.00	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	2.5
30-Jun-17	VTJ	Bluff		0.50	2	Partly Cloudy	Calm/Ripple	W	Above Normal	4
30-Jun-17	VTJ	Bluff		0.50	2	Partly Cloudy	Calm/Ripple	W	Above Normal	4
30-Jun-17	VTJ	Bluff		0.50	2	Partly Cloudy	Calm/Ripple	W	Above Normal	4
14-Jun-17	RTZT	Barrington	No Selection	5.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.5
14-Jun-17	RTZT	Barrington	No Selection	5.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.5
14-Jun-17	RTZT	Barrington	No Selection	5.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.5
14-Jun-17	RTZT	Barrington	No Selection	5.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.5
07-Jun-17	RGU	Loch Lomond	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NE	Normal or Full	0
07-Jun-17	RGU	Loch Lomond	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NE	Normal or Full	0
07-Jun-17	RGU	Loch Lomond	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NE	Normal or Full	0
28-Jun-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	5.52
28-Jun-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	5.52
28-Jun-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	5.52
28-Jun-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	5.52
28-Jun-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	3.36
28-Jun-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	3.36
28-Jun-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	3.36
28-Jun-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Small Waves	S	Above Normal	3.36
27-Jun-17	RDR	Spring	Less Than 5%	8.00	0.11	Sunny	Calm/Ripple	E	Below Normal	1
27-Jun-17	RDR	Spring	Less Than 5%	8.00	0.11	Sunny	Calm/Ripple	E	Below Normal	1
27-Jun-17	RDR	Spring	Less Than 5%	8.00	0.11	Sunny	Calm/Ripple	E	Below Normal	1
30-Jun-17	RGZD	Miltmore		2.00	0.5	Overcast	Calm/Ripple	SW	Below Normal	10
30-Jun-17	RGZD	Miltmore		2.00	0.5	Overcast	Calm/Ripple	SW	Below Normal	10
30-Jun-17	RGZD	Miltmore		2.00	0.5	Overcast	Calm/Ripple	SW	Below Normal	10
12-Jun-17	RAZP	Arcadia	Less Than 5%	0.50	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
12-Jun-17	RAZP	Arcadia	Less Than 5%	0.50	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
12-Jun-17	RAZP	Arcadia	Less Than 5%	0.50	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RAZP	Arcadia	Less Than 5%	0.50	0	Sunny	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RAZP	Arcadia	Less Than 5%	0.50	0	Sunny	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RAZP	Arcadia	Less Than 5%	0.50	0	Sunny	Calm/Ripple	S	Normal or Full	0
01-Jun-17	RNI	Carbondale	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
01-Jun-17	RNI	Carbondale	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
21-Jun-17	VTJ	Bluff		Surface water temp 85F
21-Jun-17	VTJ	Bluff		Surface water temp 85F
21-Jun-17	VTJ	Bluff		Surface water temp 85F
30-Jun-17	VTJ	Bluff		Surface water temp 79F
30-Jun-17	VTJ	Bluff		Surface water temp 79F
30-Jun-17	VTJ	Bluff		Surface water temp 79F
14-Jun-17	RTZT	Barrington	90F last few days	North bay aerators out
14-Jun-17	RTZT	Barrington	90F last few days	North bay aerators out
14-Jun-17	RTZT	Barrington	90F last few days	North bay aerators out
14-Jun-17	RTZT	Barrington	90F last few days	North bay aerators out
07-Jun-17	RGU	Loch Lomond		Diquat 5/31
07-Jun-17	RGU	Loch Lomond		Diquat 5/31
07-Jun-17	RGU	Loch Lomond		Diquat 5/31
28-Jun-17	RDO	Bloomington		
28-Jun-17	RDO	Bloomington		
28-Jun-17	RDO	Bloomington		
28-Jun-17	RDO	Bloomington		
28-Jun-17	SDA	Evergreen		
28-Jun-17	SDA	Evergreen		
28-Jun-17	SDA	Evergreen		
28-Jun-17	SDA	Evergreen		
27-Jun-17	RDR	Spring		
27-Jun-17	RDR	Spring		
27-Jun-17	RDR	Spring		
30-Jun-17	RGZD	Miltmore		Surface vegetation diminished since last reading (Milfoil treatment?)
30-Jun-17	RGZD	Miltmore		Surface vegetation diminished since last reading (Milfoil treatment?)
30-Jun-17	RGZD	Miltmore		Surface vegetation diminished since last reading (Milfoil treatment?)
12-Jun-17	RAZP	Arcadia		
12-Jun-17	RAZP	Arcadia		
12-Jun-17	RAZP	Arcadia		
26-Jun-17	RAZP	Arcadia		
26-Jun-17	RAZP	Arcadia		
26-Jun-17	RAZP	Arcadia		
01-Jun-17	RNI	Carbondale	Site 3 too shallow to monitor	
01-Jun-17	RNI	Carbondale	Site 3 too shallow to monitor	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
21-Jun-17	VTJ	Bluff		15:35	VTJ-1	30	FALSE	FALSE	0	3	24.5
21-Jun-17	VTJ	Bluff		15:50	VTJ-2	30	FALSE	FALSE	0	3	12
21-Jun-17	VTJ	Bluff		16:00	VTJ-3	26	FALSE	FALSE	0	3	13.5
30-Jun-17	VTJ	Bluff		15:40	VTJ-1	26	FALSE	FALSE	0	8	29.5
30-Jun-17	VTJ	Bluff		15:50	VTJ-2	27	FALSE	FALSE	0	3	10.5
30-Jun-17	VTJ	Bluff		15:30	VTJ-3	26	FALSE	FALSE	0	8	11.5
14-Jun-17	RTZT	Barrington		09:43	RTZT-1	102	FALSE	FALSE	-1	2	11
14-Jun-17	RTZT	Barrington		09:48	RTZT-2	96	FALSE	FALSE	-1	1	11
14-Jun-17	RTZT	Barrington		09:57	RTZT-3	90	FALSE	FALSE	-1	2	11
14-Jun-17	RTZT	Barrington		09:30	RTZT-4	96	FALSE	FALSE	-1	1	9
07-Jun-17	RGU	Loch Lomond		12:00	RGU-1	67	FALSE	FALSE	0	17	7.5
07-Jun-17	RGU	Loch Lomond		12:15	RGU-2	81	FALSE	FALSE	0	17	7
07-Jun-17	RGU	Loch Lomond		12:30	RGU-3	60	FALSE	FALSE	0	17	5
28-Jun-17	RDO	Bloomington		10:35	RDO-1	28	FALSE	FALSE	0	15	30
28-Jun-17	RDO	Bloomington		10:50	RDO-2	32	FALSE	FALSE	0	11	26
28-Jun-17	RDO	Bloomington		11:05	RDO-3	18	FALSE	FALSE	0	15	11
28-Jun-17	RDO	Bloomington		11:25	RDO-4	24	FALSE	FALSE	0	9	14
28-Jun-17	SDA	Evergreen		09:20	SDA-1	28	FALSE	FALSE	0	11	45
28-Jun-17	SDA	Evergreen		09:50	SDA-2	16	FALSE	FALSE	0	15	9
28-Jun-17	SDA	Evergreen		10:02	SDA-3	18	FALSE	FALSE	0	15	11
28-Jun-17	SDA	Evergreen		09:37	SDA-4	26	FALSE	FALSE	0	11	33
27-Jun-17	RDR	Spring		11:05	RDR-1	30	FALSE	FALSE	0	12	22
27-Jun-17	RDR	Spring		09:30	RDR-2	17	FALSE	FALSE	0	12	7
27-Jun-17	RDR	Spring		09:05	RDR-3	10	FALSE	FALSE	0	13	2
30-Jun-17	RGZD	Miltmore		11:40	RGZD-1	105	FALSE	FALSE	2	6	15.5
30-Jun-17	RGZD	Miltmore		11:05	RGZD-2	79	FALSE	FALSE	0	7	15.5
30-Jun-17	RGZD	Miltmore		11:25	RGZD-3		FALSE	TRUE	4		
12-Jun-17	RAZP	Arcadia		13:25	RAZP-1	36	FALSE	FALSE	0	3	21.5
12-Jun-17	RAZP	Arcadia		13:40	RAZP-2	34	FALSE	FALSE	0	3	10.5
12-Jun-17	RAZP	Arcadia		13:15	RAZP-3	34	FALSE	FALSE	0	3	12
26-Jun-17	RAZP	Arcadia		13:00	RAZP-1	34	FALSE	FALSE	0	3	21.5
26-Jun-17	RAZP	Arcadia		13:15	RAZP-2	32	FALSE	FALSE	0	3	12
26-Jun-17	RAZP	Arcadia		13:35	RAZP-3	32	FALSE	FALSE	0	3	11.5
01-Jun-17	RNI	Carbondale		12:22	RNI-1	24	FALSE	FALSE	0	12	11.5
01-Jun-17	RNI	Carbondale		12:33	RNI-2	29	FALSE	FALSE	0	12	8.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
12-Jun-17	RAL	Lake of Egypt		6.00	0	Partly Cloudy	Moderate Waves	S	Below Normal	2
12-Jun-17	RAL	Lake of Egypt		6.00	0	Partly Cloudy	Moderate Waves	S	Below Normal	2
12-Jun-17	RAL	Lake of Egypt		6.00	0	Partly Cloudy	Moderate Waves	S	Below Normal	2
10-Jun-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-Jun-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-Jun-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
25-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
25-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
25-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
25-Jun-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
01-Jul-17	RBD	Vermilion	Less Than 5%	3.00	1.4	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
01-Jul-17	RBD	Vermilion	Less Than 5%	3.00	1.4	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
01-Jul-17	RBD	Vermilion	Less Than 5%	3.00	1.4	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
05-Jul-17	RGZB	Hastings		5.70	0	Sunny	Small Waves	S	Normal or Full	0
05-Jul-17	RGZB	Hastings		5.70	0	Sunny	Small Waves	S	Normal or Full	0
05-Jul-17	RBC	Charleston Side Channel	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SE	Below Normal	4
05-Jul-17	RBC	Charleston Side Channel	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SE	Below Normal	4
05-Jul-17	RBC	Charleston Side Channel	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SE	Below Normal	4
07-Jun-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
07-Jun-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
07-Jun-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
26-Jun-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	8
26-Jun-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	8

Sample Date	Lake Code	Waterbody	Observations	Other Information
12-Jun-17	RAL	Lake of Egypt		
12-Jun-17	RAL	Lake of Egypt		
12-Jun-17	RAL	Lake of Egypt		
10-Jun-17	RNZO	New Thompson	Moss expanding ~10% lake	
10-Jun-17	RNZO	New Thompson	Moss expanding ~10% lake	
10-Jun-17	RNZO	New Thompson	Moss expanding ~10% lake	
10-Jun-17	RNZG	Spring Arbor		
10-Jun-17	RNZG	Spring Arbor		
10-Jun-17	RNZG	Spring Arbor		
10-Jun-17	RNZG	Spring Arbor		
25-Jun-17	RNZG	Spring Arbor		
25-Jun-17	RNZG	Spring Arbor		
25-Jun-17	RNZG	Spring Arbor		
25-Jun-17	RNZG	Spring Arbor		
01-Jul-17	RBD	Vermilion	Rain event followed by murky brown water	
01-Jul-17	RBD	Vermilion	Rain event followed by murky brown water	
01-Jul-17	RBD	Vermilion	Rain event followed by murky brown water	
05-Jul-17	RGZB	Hastings		
05-Jul-17	RGZB	Hastings		
05-Jul-17	RBC	Charleston Side Channel		
05-Jul-17	RBC	Charleston Side Channel		
05-Jul-17	RBC	Charleston Side Channel		
07-Jun-17	SNA	Chautauqua		
07-Jun-17	SNA	Chautauqua		
07-Jun-17	SNA	Chautauqua		
26-Jun-17	SNA	Chautauqua		
26-Jun-17	SNA	Chautauqua		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
12-Jun-17	RAL	Lake of Egypt	Put zebra mussel trap in	09:57	RAL-1	54	FALSE	FALSE	0	13	37
12-Jun-17	RAL	Lake of Egypt	Put zebra mussel trap in	10:18	RAL-2	66	FALSE	FALSE	0	12	33
12-Jun-17	RAL	Lake of Egypt	Put zebra mussel trap in	10:32	RAL-3	48	FALSE	FALSE	0	12	10
10-Jun-17	RNZO	New Thompson	Copper sulfate Aquashade Stocked with fish (grass carp)	11:49	RNZO-1	80	FALSE	FALSE	0	1	18
10-Jun-17	RNZO	New Thompson	Copper sulfate Aquashade Stocked with fish (grass carp)	12:10	RNZO-2	66	FALSE	FALSE	0	1	11
10-Jun-17	RNZO	New Thompson	Copper sulfate Aquashade Stocked with fish (grass carp)	12:12	RNZO-3	78	FALSE	FALSE	0	1	8
10-Jun-17	RNZG	Spring Arbor		14:05	RNZG-1	25	FALSE	FALSE	0	12	37.5
10-Jun-17	RNZG	Spring Arbor		14:30	RNZG-2	25	FALSE	FALSE	0	12	26
10-Jun-17	RNZG	Spring Arbor		14:15	RNZG-3	26	FALSE	FALSE	0	12	22.5
10-Jun-17	RNZG	Spring Arbor		13:50	RNZG-4	22	FALSE	FALSE	0	12	7
25-Jun-17	RNZG	Spring Arbor		12:50	RNZG-1	45	FALSE	FALSE	0	17	38
25-Jun-17	RNZG	Spring Arbor		12:45	RNZG-2	44	FALSE	FALSE	0	17	26.5
25-Jun-17	RNZG	Spring Arbor		13:00	RNZG-3	43	FALSE	FALSE	0	17	22.5
25-Jun-17	RNZG	Spring Arbor		12:30	RNZG-4	41	FALSE	FALSE	0	17	7
01-Jul-17	RBD	Vermilion		11:40	RBD-1	14	FALSE	FALSE	0	0	16
01-Jul-17	RBD	Vermilion		11:26	RBD-2	12	FALSE	FALSE	0	0	11
01-Jul-17	RBD	Vermilion		11:17	RBD-3	5	FALSE	FALSE	0	0	5.5
05-Jul-17	RGZB	Hastings		10:00	RGZB-1	72	FALSE	FALSE	0	13	26
05-Jul-17	RGZB	Hastings		09:30	RGZB-3	67	FALSE	FALSE	0	13	15.5
05-Jul-17	RBC	Charleston Side Channel	New No Wake buoy placed River pumps off Aeration @ 100%	11:20	RBC-1	12	FALSE	FALSE	0	11	13
05-Jul-17	RBC	Charleston Side Channel	New No Wake buoy placed River pumps off Aeration @ 100%	11:00	RBC-2	13	FALSE	FALSE	0	10	8.5
05-Jul-17	RBC	Charleston Side Channel	New No Wake buoy placed River pumps off Aeration @ 100%	10:45	RBC-3	14	FALSE	FALSE	0	11	10
07-Jun-17	SNA	Chautauqua		16:20	SNA-1	31	FALSE	FALSE	0	12	14
07-Jun-17	SNA	Chautauqua		16:10	SNA-2	30	FALSE	FALSE	0	12	18
07-Jun-17	SNA	Chautauqua		16:00	SNA-3	12	TRUE	FALSE	0	12	1
26-Jun-17	SNA	Chautauqua		14:20	SNA-1	22	FALSE	FALSE	0	12	17
26-Jun-17	SNA	Chautauqua		14:10	SNA-2	20	FALSE	FALSE	0	12	16

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Jun-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	8
28-Jun-17	RNI	Carbondale	Less Than 5%	2.00	0	Partly Cloudy	Moderate Waves	S	Normal or Full	0
28-Jun-17	RNI	Carbondale	Less Than 5%	2.00	0	Partly Cloudy	Moderate Waves	S	Normal or Full	0
05-Jul-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1.25	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
05-Jul-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1.25	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
05-Jul-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1.25	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
06-Jun-17	RNZI	Miller	Less Than 5%	6.00	0.5	Sunny	Calm/Ripple	N	Below Normal	1
06-Jun-17	RNZI	Miller	Less Than 5%	6.00	0.5	Sunny	Calm/Ripple	N	Below Normal	1
06-Jun-17	RNZI	Miller	Less Than 5%	6.00	0.5	Sunny	Calm/Ripple	N	Below Normal	1
20-Jun-17	RNZI	Miller	Less Than 5%	6.00	1	Sunny	Calm/Ripple	NONE	Below Normal	1.5
20-Jun-17	RNZI	Miller	Less Than 5%	6.00	1	Sunny	Calm/Ripple	NONE	Below Normal	1.5
20-Jun-17	RNZI	Miller	Less Than 5%	6.00	1	Sunny	Calm/Ripple	NONE	Below Normal	1.5
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Jun-17	SNA	Chautauqua		
28-Jun-17	RNI	Carbondale	Site 3 too shallow	
28-Jun-17	RNI	Carbondale	Site 3 too shallow	
05-Jul-17	RPZI	Richardson Wildlife		-Secchi color readings affected by aquashade blue dye. D.O. = 10.1 PPM; 129% Saturation Temp = 84.6' F; 28.2' C Horned Pondweed, Arrowhead, < Cattails, < Tussock sedge, Plankton Algae bloom
05-Jul-17	RPZI	Richardson Wildlife		-Secchi color readings affected by aquashade blue dye. D.O. = 10.1 PPM; 129% Saturation Temp = 84.6' F; 28.2' C Horned Pondweed, Arrowhead, < Cattails, < Tussock sedge, Plankton Algae bloom
05-Jul-17	RPZI	Richardson Wildlife		-Secchi color readings affected by aquashade blue dye. D.O. = 10.1 PPM; 129% Saturation Temp = 84.6' F; 28.2' C Horned Pondweed, Arrowhead, < Cattails, < Tussock sedge, Plankton Algae bloom
06-Jun-17	RNZI	Miller		
06-Jun-17	RNZI	Miller		
06-Jun-17	RNZI	Miller		
20-Jun-17	RNZI	Miller		
20-Jun-17	RNZI	Miller		
20-Jun-17	RNZI	Miller		
14-Jun-17	RNE	Cedar		
14-Jun-17	RNE	Cedar		
14-Jun-17	RNE	Cedar		
14-Jun-17	RNE	Cedar		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Jun-17	SNA	Chautauqua		14:00	SNA-3	8	TRUE	FALSE	1	12	1
28-Jun-17	RNI	Carbondale		13:00	RNI-1	12	FALSE	FALSE	0	12	11
28-Jun-17	RNI	Carbondale		13:08	RNI-2	12	FALSE	FALSE	0	12	7.5
05-Jul-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 6/16/17 Lake treated w 2.5G Aquashade dye 6/22/17 treated w 0.75G Cutrine Ultra & 0.375G Clearigate 6/26/17 2.5G Aquashade 6/30/17 2.5G Aquashade 7/5/17 1.25G Cutrine Ultra & 0.625G Clearigate	13:15	RPZI-1	19	FALSE	FALSE	0	8	6
05-Jul-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 6/16/17 Lake treated w 2.5G Aquashade dye 6/22/17 treated w 0.75G Cutrine Ultra & 0.375G Clearigate 6/26/17 2.5G Aquashade 6/30/17 2.5G Aquashade 7/5/17 1.25G Cutrine Ultra & 0.625G Clearigate	13:22	RPZI-2	18	FALSE	FALSE	0	1	7.5
05-Jul-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 6/16/17 Lake treated w 2.5G Aquashade dye 6/22/17 treated w 0.75G Cutrine Ultra & 0.375G Clearigate 6/26/17 2.5G Aquashade 6/30/17 2.5G Aquashade 7/5/17 1.25G Cutrine Ultra & 0.625G Clearigate	13:29	RPZI-3	19	FALSE	FALSE	0	1	4.5
06-Jun-17	RNZI	Miller		07:12	RNZI-1	30	FALSE	FALSE	0	12	22
06-Jun-17	RNZI	Miller		07:33	RNZI-2	26	FALSE	FALSE	0	12	11
06-Jun-17	RNZI	Miller		07:48	RNZI-3	18	FALSE	FALSE	0	12	5
20-Jun-17	RNZI	Miller		07:40	RNZI-1	26	FALSE	FALSE	0	12	18
20-Jun-17	RNZI	Miller		08:00	RNZI-2	24	FALSE	FALSE	0	12	11
20-Jun-17	RNZI	Miller		08:17	RNZI-3	14	FALSE	FALSE	0	12	6
14-Jun-17	RNE	Cedar		08:50	RNE-1	52	FALSE	FALSE	0	12	44
14-Jun-17	RNE	Cedar		10:45	RNE-2	53	FALSE	FALSE	-1	12	35
14-Jun-17	RNE	Cedar		11:05	RNE-3	46	FALSE	FALSE	0	13	18.5
14-Jun-17	RNE	Cedar		11:40	RNE-4	32	FALSE	FALSE	0	12	14.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3
14-Jun-17	RNE	Cedar	Less Than 5%	9.00	0	Sunny	Calm/Ripple	NE	Above Normal	3
05-Jul-17	RNC	Kinkaid	Less Than 5%	4.00	0	Overcast	Calm/Ripple	SW	Below Normal	0.2
05-Jul-17	RNC	Kinkaid	Less Than 5%	4.00	0	Overcast	Calm/Ripple	SW	Below Normal	0.2
05-Jul-17	RNC	Kinkaid	Less Than 5%	4.00	0	Overcast	Calm/Ripple	SW	Below Normal	0.2
05-Jul-17	RNC	Kinkaid	Less Than 5%	4.00	0	Overcast	Calm/Ripple	SW	Below Normal	0.2
05-Jul-17	RND	Murphysboro	Less Than 5%	0.50	0	Overcast	Calm/Ripple	SW	Below Normal	1
05-Jul-17	VTD	Deep		2.00	0	Overcast	Small Waves	SW	Below Normal	1
05-Jul-17	VTD	Deep		2.00	0	Overcast	Small Waves	SW	Below Normal	1
05-Jul-17	VTD	Deep		2.00	0	Overcast	Small Waves	SW	Below Normal	1
05-Jul-17	VTD	Deep		2.00	0	Overcast	Small Waves	SW	Below Normal	1
11-Jun-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Small Waves	SW	No Selection	0
11-Jun-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Small Waves	SW	No Selection	0
11-Jun-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Small Waves	SW	No Selection	0
11-Jun-17	RGZG	Forest	Less Than 5%	2.00	0.06	Sunny	Small Waves	SW	No Selection	0
03-Jul-17	RGZG	Forest	Less Than 5%	2.00	0.07	Sunny	Moderate Waves	W	No Selection	0
03-Jul-17	RGZG	Forest	Less Than 5%	2.00	0.07	Sunny	Moderate Waves	W	No Selection	0
03-Jul-17	RGZG	Forest	Less Than 5%	2.00	0.07	Sunny	Moderate Waves	W	No Selection	0
03-Jul-17	RGZG	Forest	Less Than 5%	2.00	0.07	Sunny	Moderate Waves	W	No Selection	0
08-Jul-17	RGZD	Miltmore		2.00	0	Sunny	Small Waves	N	Below Normal	10
08-Jul-17	RGZD	Miltmore		2.00	0	Sunny	Small Waves	N	Below Normal	10
08-Jul-17	RGZD	Miltmore		2.00	0	Sunny	Small Waves	N	Below Normal	10
09-Jul-17	VTZ	Charlotte	Less Than 5%	2.00	0	Sunny	Calm/Ripple	W	Below Normal	2
09-Jul-17	VTZ	Charlotte	Less Than 5%	2.00	0	Sunny	Calm/Ripple	W	Below Normal	2
09-Jul-17	RTW	Silver		4.00	0	Partly Cloudy	Small Waves	S	Above Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Jun-17	RNE	Cedar		
14-Jun-17	RNE	Cedar		
14-Jun-17	RNE	Cedar		
05-Jul-17	RNC	Kinkaid	None	None
05-Jul-17	RNC	Kinkaid	None	None
05-Jul-17	RNC	Kinkaid	None	None
05-Jul-17	RNC	Kinkaid	None	None
05-Jul-17	RND	Murphysboro	None	None
05-Jul-17	VTD	Deep		Zebra trap=zero
05-Jul-17	VTD	Deep		Zebra trap=zero
05-Jul-17	VTD	Deep		Zebra trap=zero
05-Jul-17	VTD	Deep		Zebra trap=zero
11-Jun-17	RGZG	Forest		
11-Jun-17	RGZG	Forest		
11-Jun-17	RGZG	Forest		
11-Jun-17	RGZG	Forest		
03-Jul-17	RGZG	Forest		
03-Jul-17	RGZG	Forest		
03-Jul-17	RGZG	Forest		
03-Jul-17	RGZG	Forest		
08-Jul-17	RGZD	Miltmore		Increased recreational use (fishing, skiing, personal watercraft)
08-Jul-17	RGZD	Miltmore		Increased recreational use (fishing, skiing, personal watercraft)
08-Jul-17	RGZD	Miltmore		Increased recreational use (fishing, skiing, personal watercraft)
09-Jul-17	VTZ	Charlotte	None Noted	Recreational activities - swimming & kayaking
09-Jul-17	VTZ	Charlotte	None Noted	Recreational activities - swimming & kayaking
09-Jul-17	RTW	Silver	Warm and nice temps	Boating, swimming, fishing, geese, ducks. Algae in S/W bay in clumps and attached to other weeds.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Jun-17	RNE	Cedar		12:00	RNE-5	51	FALSE	FALSE	0	13	40
14-Jun-17	RNE	Cedar		09:45	RNE-7	47	FALSE	FALSE	0	14	10.5
14-Jun-17	RNE	Cedar		10:05	RNE-9	41	FALSE	FALSE	0	12	11
05-Jul-17	RNC	Kinkaid	None	14:00	RNC-1	78	FALSE	FALSE	0	13	57
05-Jul-17	RNC	Kinkaid	None	13:25	RNC-2	56	FALSE	FALSE	0	13	39
05-Jul-17	RNC	Kinkaid	None	12:57	RNC-3	50	FALSE	FALSE	0	13	28
05-Jul-17	RNC	Kinkaid	None	14:46	RNC-9	52	FALSE	FALSE	0	13	22
05-Jul-17	RND	Murphysboro	None	16:56	RND-1	23	FALSE	FALSE	0	12	7
05-Jul-17	VTD	Deep		14:00	VTD-1	265	FALSE	FALSE	0	8	49
05-Jul-17	VTD	Deep		14:15	VTD-2	260	FALSE	FALSE	0	8	35
05-Jul-17	VTD	Deep		14:45	VTD-3	266	FALSE	FALSE	0	8	38
05-Jul-17	VTD	Deep		13:35	VTD-4	251	FALSE	FALSE	0	8	25
11-Jun-17	RGZG	Forest		14:00	RGZG-1	48	FALSE	FALSE	0	12	7
11-Jun-17	RGZG	Forest		14:13	RGZG-2	48	FALSE	FALSE	0	12	7
11-Jun-17	RGZG	Forest		14:27	RGZG-3	49	FALSE	FALSE	0	12	4.5
11-Jun-17	RGZG	Forest		14:35	RGZG-4	72	FALSE	FALSE	0	12	7.5
03-Jul-17	RGZG	Forest		15:23	RGZG-1	36	FALSE	FALSE	0	12	7.5
03-Jul-17	RGZG	Forest		15:30	RGZG-2	42	FALSE	FALSE	0	12	7
03-Jul-17	RGZG	Forest		15:40	RGZG-3	41	FALSE	FALSE	0	12	5
03-Jul-17	RGZG	Forest		15:45	RGZG-4	26	FALSE	FALSE	0	13	9.5
08-Jul-17	RGZD	Miltmore		12:35	RGZD-1	94	FALSE	FALSE	1	11	14
08-Jul-17	RGZD	Miltmore		13:10	RGZD-2	84	FALSE	FALSE	2	6	11
08-Jul-17	RGZD	Miltmore		12:50	RGZD-3	87	FALSE	FALSE	1	11	9
09-Jul-17	VTZ	Charlotte	None - several oak trees removed from a yard that were within 30' of the lake	10:15	VTZ-1	82	FALSE	FALSE	0	17	12
09-Jul-17	VTZ	Charlotte	None - several oak trees removed from a yard that were within 30' of the lake	10:45	VTZ-2	48	TRUE	FALSE	0	17	4
09-Jul-17	RTW	Silver	400 feet of aeration. Surface temp = 78.3 F D.O.= 8.9 Bottom temp = 79 F D.O.= 8.6 Herbicide treatment on 6-15-17 by Clarke Aquatic to control Curly Pondweed & Euro Milfoil.	10:14	RTW-1	192	TRUE	FALSE	0	12	16

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
09-Jul-17	RTW	Silver		4.00	0	Partly Cloudy	Small Waves	S	Above Normal	1
09-Jul-17	RTW	Silver		4.00	0	Partly Cloudy	Small Waves	S	Above Normal	1
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RNE	Cedar	Less Than 5%	5.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
06-Jun-17	REB	Sangchris	Less Than 5%	24.00	0	Sunny	Moderate Waves	N	Above Normal	1
06-Jun-17	REB	Sangchris	Less Than 5%	24.00	0	Sunny	Moderate Waves	N	Above Normal	1
06-Jun-17	REB	Sangchris	Less Than 5%	24.00	0	Sunny	Moderate Waves	N	Above Normal	1
06-Jun-17	REB	Sangchris	Less Than 5%	24.00	0	Sunny	Moderate Waves	N	Above Normal	1
22-Jun-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Moderate Waves	SW	Above Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
09-Jul-17	RTW	Silver	Warm and nice temps	Boating, swimming, fishing, geese, ducks. Algae in S/W bay in clumps and attached to other weeds.
09-Jul-17	RTW	Silver	Warm and nice temps	Boating, swimming, fishing, geese, ducks. Algae in S/W bay in clumps and attached to other weeds.
27-Jun-17	RNE	Cedar		
27-Jun-17	RNE	Cedar		
27-Jun-17	RNE	Cedar		
27-Jun-17	RNE	Cedar		
27-Jun-17	RNE	Cedar		
27-Jun-17	RNE	Cedar		
27-Jun-17	RNE	Cedar		
06-Jun-17	REB	Sangchris		Lost some acid from sampling container at Site 2. Wind increased around 10:30. Pesticide sampling at Site 2. DO/Temp taken to 11 ft at Site 2 due to drifting. Pesticide sample at Site 4.
06-Jun-17	REB	Sangchris		Lost some acid from sampling container at Site 2. Wind increased around 10:30. Pesticide sampling at Site 2. DO/Temp taken to 11 ft at Site 2 due to drifting. Pesticide sample at Site 4.
06-Jun-17	REB	Sangchris		Lost some acid from sampling container at Site 2. Wind increased around 10:30. Pesticide sampling at Site 2. DO/Temp taken to 11 ft at Site 2 due to drifting. Pesticide sample at Site 4.
06-Jun-17	REB	Sangchris		Lost some acid from sampling container at Site 2. Wind increased around 10:30. Pesticide sampling at Site 2. DO/Temp taken to 11 ft at Site 2 due to drifting. Pesticide sample at Site 4.
22-Jun-17	REB	Sangchris	Power plant was operating, creating a strong current at REB-4. Surface water temperature was 96 degrees F at REB-4.	Current at REB-4 too strong to take secchi reading.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
09-Jul-17	RTW	Silver	400 feet of aeration. Surface temp = 78.3 F D.O.= 8.9 Bottom temp = 79 F D.O.= 8.6 Herbicide treatment on 6-15-17 by Clarke Aquatic to control Curly Pondweed & Euro Milfoil.	10:33	RTW-2	108	TRUE	FALSE	1	12	9
09-Jul-17	RTW	Silver	400 feet of aeration. Surface temp = 78.3 F D.O.= 8.9 Bottom temp = 79 F D.O.= 8.6 Herbicide treatment on 6-15-17 by Clarke Aquatic to control Curly Pondweed & Euro Milfoil.	10:44	RTW-3	60	TRUE	FALSE	2	14	5
27-Jun-17	RNE	Cedar		09:20	RNE-1	73	FALSE	FALSE	0	12	44
27-Jun-17	RNE	Cedar		09:35	RNE-2	72	FALSE	FALSE	0	13	35
27-Jun-17	RNE	Cedar		09:45	RNE-3	63	FALSE	FALSE	0	12	19
27-Jun-17	RNE	Cedar		10:00	RNE-4	44	FALSE	FALSE	0	12	15
27-Jun-17	RNE	Cedar		10:25	RNE-5	71	FALSE	FALSE	0	12	40
27-Jun-17	RNE	Cedar		10:20	RNE-7	55	FALSE	FALSE	0	13	11
27-Jun-17	RNE	Cedar		10:55	RNE-9	48	FALSE	FALSE	0	12	10
06-Jun-17	REB	Sangchris		11:20	REB-1	39	FALSE	FALSE	0	13	33
06-Jun-17	REB	Sangchris		09:59	REB-2	35	FALSE	FALSE	0	13	21
06-Jun-17	REB	Sangchris		12:21	REB-3	36	FALSE	FALSE	0	13	22
06-Jun-17	REB	Sangchris		13:00	REB-4	19	FALSE	FALSE	0	12	7
22-Jun-17	REB	Sangchris		14:40	REB-1	35	FALSE	FALSE	0	17	29

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-Jun-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Moderate Waves	SW	Above Normal	1
22-Jun-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Moderate Waves	SW	Above Normal	1
22-Jun-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Moderate Waves	SW	Above Normal	1
06-Jul-17	REB	Sangchris	Less Than 5%	20.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
06-Jul-17	REB	Sangchris	Less Than 5%	20.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
06-Jul-17	REB	Sangchris	Less Than 5%	20.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
06-Jul-17	REB	Sangchris	Less Than 5%	20.00	0.1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
09-Jul-17	RPV	Candlewick		1.00	0	Sunny	Small Waves	W	Above Normal	6
09-Jul-17	RPV	Candlewick		1.00	0	Sunny	Small Waves	W	Above Normal	6
09-Jul-17	RPV	Candlewick		1.00	0	Sunny	Small Waves	W	Above Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-Jun-17	REB	Sangchris	Power plant was operating, creating a strong current at REB-4. Surface water temperature was 96 degrees F at REB-4.	Current at REB-4 too strong to take secchi reading.
22-Jun-17	REB	Sangchris	Power plant was operating, creating a strong current at REB-4. Surface water temperature was 96 degrees F at REB-4.	Current at REB-4 too strong to take secchi reading.
22-Jun-17	REB	Sangchris	Power plant was operating, creating a strong current at REB-4. Surface water temperature was 96 degrees F at REB-4.	Current at REB-4 too strong to take secchi reading.
06-Jul-17	REB	Sangchris	Water temp at REB-4 extremely high (over 100F)	New location chosen for REB-4 due to current from power plant outflow.
06-Jul-17	REB	Sangchris	Water temp at REB-4 extremely high (over 100F)	New location chosen for REB-4 due to current from power plant outflow.
06-Jul-17	REB	Sangchris	Water temp at REB-4 extremely high (over 100F)	New location chosen for REB-4 due to current from power plant outflow.
06-Jul-17	REB	Sangchris	Water temp at REB-4 extremely high (over 100F)	New location chosen for REB-4 due to current from power plant outflow.
09-Jul-17	RPV	Candlewick	Heavy rain four days prior to testing.	Milfoil and Coontail are creating big problems this summer
09-Jul-17	RPV	Candlewick	Heavy rain four days prior to testing.	Milfoil and Coontail are creating big problems this summer
09-Jul-17	RPV	Candlewick	Heavy rain four days prior to testing.	Milfoil and Coontail are creating big problems this summer

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-Jun-17	REB	Sangchris		15:00	REB-2	35	FALSE	FALSE	0	17	21
22-Jun-17	REB	Sangchris		14:20	REB-3	33	FALSE	FALSE	0	17	20
22-Jun-17	REB	Sangchris		13:45	REB-4		FALSE	FALSE	0		
06-Jul-17	REB	Sangchris		11:02	REB-1	34	FALSE	FALSE	0	8	21
06-Jul-17	REB	Sangchris		10:04	REB-2	32	FALSE	FALSE	0	17	33
06-Jul-17	REB	Sangchris		11:37	REB-3	34	FALSE	FALSE	0	8	8
06-Jul-17	REB	Sangchris		12:33	REB-4	23	FALSE	FALSE	0	12	3
09-Jul-17	RPV	Candlewick	6/13 =7 gallons Cutrine Plus 6/14 = 7 gallons Cutrine Plus 6/16 = 7.5 gallons Cutrine Plus and 10 gallons Diquat. 6/23 = 20 gallons Diquat/Cutrine Plus Mix 6/28 and 6/29 = 25 gallons Cutrine plus total Harvester out 19 days	16:30	RPV-1	4	FALSE	FALSE	0	3	27
09-Jul-17	RPV	Candlewick	6/13 =7 gallons Cutrine Plus 6/14 = 7 gallons Cutrine Plus 6/16 = 7.5 gallons Cutrine Plus and 10 gallons Diquat. 6/23 = 20 gallons Diquat/Cutrine Plus Mix 6/28 and 6/29 = 25 gallons Cutrine plus total Harvester out 19 days	16:15	RPV-2	4	FALSE	FALSE	1	3	15
09-Jul-17	RPV	Candlewick	6/13 =7 gallons Cutrine Plus 6/14 = 7 gallons Cutrine Plus 6/16 = 7.5 gallons Cutrine Plus and 10 gallons Diquat. 6/23 = 20 gallons Diquat/Cutrine Plus Mix 6/28 and 6/29 = 25 gallons Cutrine plus total Harvester out 19 days	16:00	RPV-3	4	FALSE	FALSE	1	3	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
09-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	8
09-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	8
09-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	8
09-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	8
13-May-17	RDW	Beaver	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NW	Above Normal	3
13-May-17	RDW	Beaver	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NW	Above Normal	3
13-May-17	RDW	Beaver	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NW	Above Normal	3
13-May-17	RDW	Beaver	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NW	Above Normal	3
13-May-17	RDW	Beaver	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NW	Above Normal	3
13-May-17	RDW	Beaver	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NW	Above Normal	3
04-Jun-17	RDW	Beaver		2.00	0	Sunny	Calm/Ripple		Normal or Full	0
04-Jun-17	RDW	Beaver		2.00	0	Sunny	Calm/Ripple		Normal or Full	0
04-Jun-17	RDW	Beaver		2.00	0	Sunny	Calm/Ripple		Normal or Full	0
04-Jun-17	RDW	Beaver		2.00	0	Sunny	Calm/Ripple		Normal or Full	0
04-Jun-17	RDW	Beaver		2.00	0	Sunny	Calm/Ripple		Normal or Full	0
22-Jun-17	RDW	Beaver	Less Than 5%	1.00	0.25	Partly Cloudy	Calm/Ripple	nw	Normal or Full	0
22-Jun-17	RDW	Beaver	Less Than 5%	1.00	0.25	Partly Cloudy	Calm/Ripple	nw	Normal or Full	0
22-Jun-17	RDW	Beaver	Less Than 5%	1.00	0.25	Partly Cloudy	Calm/Ripple	nw	Normal or Full	0
22-Jun-17	RDW	Beaver	Less Than 5%	1.00	0.25	Partly Cloudy	Calm/Ripple	nw	Normal or Full	0
22-Jun-17	RDW	Beaver	Less Than 5%	1.00	0.25	Partly Cloudy	Calm/Ripple	nw	Normal or Full	0
24-May-17	UDB	Camelot		0.50	1.2	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
24-May-17	UDB	Camelot		0.50	1.2	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
24-May-17	UDB	Camelot		0.50	1.2	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
14-Jun-17	UDB	Camelot		3.00	0.1	Sunny	Calm/Ripple	calm	Normal or Full	0
14-Jun-17	UDB	Camelot		3.00	0.1	Sunny	Calm/Ripple	calm	Normal or Full	0
14-Jun-17	UDB	Camelot		3.00	0.1	Sunny	Calm/Ripple	calm	Normal or Full	0
29-Jun-17	UDB	Camelot		#VALUE!	0.25	Sunny	Calm/Ripple	S	Normal or Full	0
29-Jun-17	UDB	Camelot		#VALUE!	0.25	Sunny	Calm/Ripple	S	Normal or Full	0
29-Jun-17	UDB	Camelot		#VALUE!	0.25	Sunny	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RNZH	Campus	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	N	Normal or Full	0
26-Jun-17	RNZH	Campus	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	N	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
09-Jul-17	REZL	Twin Oaks	hot & dry	water meal, Southern nyaid
09-Jul-17	REZL	Twin Oaks	hot & dry	water meal, Southern nyaid
09-Jul-17	REZL	Twin Oaks	hot & dry	water meal, Southern nyaid
09-Jul-17	REZL	Twin Oaks	hot & dry	water meal, Southern nyaid
13-May-17	RDW	Beaver	very warm for may >80 degrees	
13-May-17	RDW	Beaver	very warm for may >80 degrees	
13-May-17	RDW	Beaver	very warm for may >80 degrees	
13-May-17	RDW	Beaver	very warm for may >80 degrees	
13-May-17	RDW	Beaver	very warm for may >80 degrees	
13-May-17	RDW	Beaver	very warm for may >80 degrees	
04-Jun-17	RDW	Beaver	>80 degrees, more weeds	
04-Jun-17	RDW	Beaver	>80 degrees, more weeds	
04-Jun-17	RDW	Beaver	>80 degrees, more weeds	
04-Jun-17	RDW	Beaver	>80 degrees, more weeds	
04-Jun-17	RDW	Beaver	>80 degrees, more weeds	
22-Jun-17	RDW	Beaver		
22-Jun-17	RDW	Beaver		
22-Jun-17	RDW	Beaver		
22-Jun-17	RDW	Beaver		
22-Jun-17	RDW	Beaver		
24-May-17	UDB	Camelot	lots of rain, bio marinic weed spray	
24-May-17	UDB	Camelot	lots of rain, bio marinic weed spray	
24-May-17	UDB	Camelot	lots of rain, bio marinic weed spray	
14-Jun-17	UDB	Camelot		lake treated 7 days ago
14-Jun-17	UDB	Camelot		lake treated 7 days ago
14-Jun-17	UDB	Camelot		lake treated 7 days ago
29-Jun-17	UDB	Camelot		
29-Jun-17	UDB	Camelot		
29-Jun-17	UDB	Camelot		
26-Jun-17	RNZH	Campus		
26-Jun-17	RNZH	Campus		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
09-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade visible, hence, no color recorded (blue-green shade)	13:30	REZL-1	20	FALSE	FALSE	0	0	4.5
09-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade visible, hence, no color recorded (blue-green shade)	13:10	REZL-2	19	FALSE	FALSE	0	0	3.5
09-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade visible, hence, no color recorded (blue-green shade)	12:40	REZL-3	28	FALSE	FALSE	0	0	3.5
09-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade visible, hence, no color recorded (blue-green shade)	12:25	REZL-4	29	FALSE	FALSE	0	0	4.5
13-May-17	RDW	Beaver		17:25	RDW-1	93	FALSE	FALSE	0	6	20
13-May-17	RDW	Beaver		16:40	RDW-2	129	FALSE	FALSE	0	6	20
13-May-17	RDW	Beaver		16:30	RDW-3	42	TRUE	FALSE	1	12	4.12
13-May-17	RDW	Beaver		16:15	RDW-4	84	FALSE	FALSE	0	3	13.6
13-May-17	RDW	Beaver		17:10	RDW-6	93	FALSE	FALSE	1		21.6
13-May-17	RDW	Beaver					FALSE	FALSE			
04-Jun-17	RDW	Beaver		16:45	RDW-1	90	FALSE	FALSE	0	7	17.6
04-Jun-17	RDW	Beaver		16:25	RDW-2	93	FALSE	FALSE	2	2	18.6
04-Jun-17	RDW	Beaver		16:00	RDW-3	57	TRUE	FALSE	0	12	4.6
04-Jun-17	RDW	Beaver		16:15	RDW-4	72	FALSE	FALSE	0	8	13.6
04-Jun-17	RDW	Beaver		16:35	RDW-6	114	FALSE	FALSE	2	2	20.9
22-Jun-17	RDW	Beaver			RDW-1	120	FALSE	FALSE	0	11	21
22-Jun-17	RDW	Beaver			RDW-2	108	FALSE	FALSE	0	8	18.6
22-Jun-17	RDW	Beaver			RDW-3	36	TRUE	FALSE	0	13	4.6
22-Jun-17	RDW	Beaver			RDW-4	69	FALSE	FALSE	0	3	11.6
22-Jun-17	RDW	Beaver			RDW-6	93	FALSE	FALSE	0	12	19
24-May-17	UDB	Camelot		1:30	UDB-1	33	FALSE	FALSE	0	13	33
24-May-17	UDB	Camelot		1:43	UDB-2	34	FALSE	FALSE	0	13	29
24-May-17	UDB	Camelot		1:56	UDB-3	30	FALSE	FALSE	0	13	17
14-Jun-17	UDB	Camelot		12:33	UDB-1	36	FALSE	FALSE	0	12	39
14-Jun-17	UDB	Camelot		12:53	UDB-2	32	FALSE	FALSE	0	12	28
14-Jun-17	UDB	Camelot		1:06	UDB-3	28	FALSE	FALSE	1	13	17
29-Jun-17	UDB	Camelot		1:37	UDB-1	30	FALSE	FALSE	0	3	35
29-Jun-17	UDB	Camelot		2:10	UDB-2	30	FALSE	FALSE	0	8	24
29-Jun-17	UDB	Camelot		2:25	UDB-3	30	FALSE	FALSE		8	15.5
26-Jun-17	RNZH	Campus		14:15	RNZH-1	29	FALSE	FALSE	0	9	8
26-Jun-17	RNZH	Campus		14:28	RNZH-2	56	FALSE	FALSE	0	10	12

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Jun-17	RNZH	Campus	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	N	Normal or Full	0
12-Jun-17	RLH	Fyre	Less Than 5%	1.00	0	Sunny	Small Waves	S	Normal or Full	0
12-Jun-17	RLH	Fyre	Less Than 5%	1.00	0	Sunny	Small Waves	S	Normal or Full	0
12-Jun-17	RLH	Fyre	Less Than 5%	1.00	0	Sunny	Small Waves	S	Normal or Full	0
22-May-17	RLH	Fyre	Less Than 5%	1.00	0.5	Sunny	Moderate Waves	SW	Above Normal	6
22-May-17	RLH	Fyre	Less Than 5%	1.00	0.5	Sunny	Moderate Waves	SW	Above Normal	6
22-May-17	RLH	Fyre	Less Than 5%	1.00	0.5	Sunny	Moderate Waves	SW	Above Normal	6
26-Jun-17	RLH	Fyre	Less Than 5%	1.00	0	Overcast	Small Waves	NW	Normal or Full	0
26-Jun-17	RLH	Fyre	Less Than 5%	1.00	0	Overcast	Small Waves	NW	Normal or Full	0
26-Jun-17	RLH	Fyre	Less Than 5%	1.00	0	Overcast	Small Waves	NW	Normal or Full	0
11-May-17	RMM	Galena		3.00	0.46	Partly Cloudy	Calm/Ripple	SE	Above Normal	1.25
11-May-17	RMM	Galena		3.00	0.46	Partly Cloudy	Calm/Ripple	SE	Above Normal	1.25
11-May-17	RMM	Galena		3.00	0.46	Partly Cloudy	Calm/Ripple	SE	Above Normal	1.25
29-Jun-17	RMM	Galena		#VALUE!	1.4	Overcast	Calm/Ripple	SW	Above Normal	0.75
29-Jun-17	RMM	Galena		#VALUE!	1.4	Overcast	Calm/Ripple	SW	Above Normal	0.75
29-Jun-17	RMM	Galena		#VALUE!	1.4	Overcast	Calm/Ripple	SW	Above Normal	0.75
09-Jun-17	RMM	Galena		4.00	0	Sunny	Calm/Ripple	W	Above Normal	1.75
09-Jun-17	RMM	Galena		4.00	0	Sunny	Calm/Ripple	W	Above Normal	1.75
09-Jun-17	RMM	Galena		4.00	0	Sunny	Calm/Ripple	W	Above Normal	1.75
10-Jul-17	VDE	Catatoga	Less Than 5%	2.40	0	Partly Cloudy	Moderate Waves	S	Below Normal	3
10-Jul-17	VDE	Catatoga	Less Than 5%	2.40	0	Partly Cloudy	Moderate Waves	S	Below Normal	3
23-May-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Small Waves		Above Normal	1.75
23-May-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Small Waves		Above Normal	1.75
23-May-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Small Waves		Above Normal	1.75
06-Jun-17	RDI	Jacksonville	Less Than 5%	3.00	0	Sunny	Moderate Waves	E	Normal or Full	0
06-Jun-17	RDI	Jacksonville	Less Than 5%	3.00	0	Sunny	Moderate Waves	E	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Jun-17	RNZH	Campus		
12-Jun-17	RLH	Fyre	hot, no rain	
12-Jun-17	RLH	Fyre	hot, no rain	
12-Jun-17	RLH	Fyre	hot, no rain	
22-May-17	RLH	Fyre	lots of rain	filamentous algae
22-May-17	RLH	Fyre	lots of rain	filamentous algae
22-May-17	RLH	Fyre	lots of rain	filamentous algae
26-Jun-17	RLH	Fyre		need rain
26-Jun-17	RLH	Fyre		need rain
26-Jun-17	RLH	Fyre		need rain
11-May-17	RMM	Galena		
11-May-17	RMM	Galena		
11-May-17	RMM	Galena		
29-Jun-17	RMM	Galena	below normal, cold & rain	
29-Jun-17	RMM	Galena	below normal, cold & rain	
29-Jun-17	RMM	Galena	below normal, cold & rain	
09-Jun-17	RMM	Galena		
09-Jun-17	RMM	Galena		
09-Jun-17	RMM	Galena		
10-Jul-17	VDE	Catatoga		
10-Jul-17	VDE	Catatoga		
23-May-17	RDI	Jacksonville		
23-May-17	RDI	Jacksonville		
23-May-17	RDI	Jacksonville		
06-Jun-17	RDI	Jacksonville		
06-Jun-17	RDI	Jacksonville		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Jun-17	RNZH	Campus		14:33	RNZH-3	44	FALSE	FALSE	0	6	12.5
12-Jun-17	RLH	Fyre		15:30	RLH-1	122	FALSE	FALSE	0	17	36.5
12-Jun-17	RLH	Fyre		15:45	RLH-2	102	FALSE	FALSE	0	17	27
12-Jun-17	RLH	Fyre		16:00	RLH-3	74	FALSE	FALSE	0	17	14
22-May-17	RLH	Fyre		12:10	RLH-1	144	FALSE	FALSE	0	3	37
22-May-17	RLH	Fyre		12:20	RLH-2	132	FALSE	FALSE	0	3	27.5
22-May-17	RLH	Fyre		12:30	RLH-3	86	FALSE	FALSE	0	12	13.5
26-Jun-17	RLH	Fyre		13:10	RLH-1	100	FALSE	FALSE	0	12	35
26-Jun-17	RLH	Fyre		13:25	RLH-2	92	FALSE	FALSE	0	12	28
26-Jun-17	RLH	Fyre		13:35	RLH-3	81	FALSE	FALSE	0	12	13.5
11-May-17	RMM	Galena		13:25	RMM-1	88	FALSE	FALSE	0	3	36
11-May-17	RMM	Galena		14:00	RMM-2	84	FALSE	FALSE	0	8	24
11-May-17	RMM	Galena		14:25	RMM-3	60	TRUE	FALSE		17	5
29-Jun-17	RMM	Galena	weed harvesting marina treated w/aquafoil seeperk early June	9:40	RMM-1	58	FALSE	FALSE	0	12	41
29-Jun-17	RMM	Galena	weed harvesting marina treated w/aquafoil seeperk early June	10:10	RMM-2	48	FALSE	FALSE	0	12	24
29-Jun-17	RMM	Galena	weed harvesting marina treated w/aquafoil seeperk early June	10:35	RMM-3	29	FALSE	FALSE	2	14	5
09-Jun-17	RMM	Galena	weed harvesting, 2 acre aquathol treatment in marina	14:40	RMM-1	103	FALSE	FALSE	0	2	36
09-Jun-17	RMM	Galena	weed harvesting, 2 acre aquathol treatment in marina	15:14	RMM-2	105	FALSE	FALSE	0	8	24
09-Jun-17	RMM	Galena	weed harvesting, 2 acre aquathol treatment in marina	15:40	RMM-3	50	FALSE	TRUE	4	8	5
10-Jul-17	VDE	Catatoga	copper sulfate treatment applied June 26	11:35	VDE-1	96	FALSE	FALSE	0	2	48
10-Jul-17	VDE	Catatoga	copper sulfate treatment applied June 26	12:20	VDE-2	88	FALSE	FALSE	0	3	32
23-May-17	RDI	Jacksonville		8:50	RDI-1	22	FALSE	FALSE	0	14	33
23-May-17	RDI	Jacksonville		9:15	RDI-2	20	FALSE	FALSE	0	14	22
23-May-17	RDI	Jacksonville		9:30	RDI-3	17	FALSE	FALSE	0	14	9
06-Jun-17	RDI	Jacksonville		8:30	RDI-1	74	FALSE	FALSE	0	12	33
06-Jun-17	RDI	Jacksonville		8:56	RDI-2	61	FALSE	FALSE	0	12	23

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
06-Jun-17	RDI	Jacksonville	Less Than 5%	3.00	0	Sunny	Moderate Waves	E	Normal or Full	0
28-Jun-17	RDI	Jacksonville	Less Than 5%	3.00		Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
28-Jun-17	RDI	Jacksonville	Less Than 5%	3.00		Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
28-Jun-17	RDI	Jacksonville	Less Than 5%	3.00		Partly Cloudy	Moderate Waves	SW	Below Normal	1.5
24-May-17	SDP	Lancelot		0.50	1.25	Sunny	Small Waves	NW	Above Normal	2
24-May-17	SDP	Lancelot		0.50	1.25	Sunny	Small Waves	NW	Above Normal	2
24-May-17	SDP	Lancelot		0.50	1.25	Sunny	Small Waves	NW	Above Normal	2
14-Jun-17	SDP	Lancelot		3.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Jun-17	SDP	Lancelot		3.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Jun-17	SDP	Lancelot		3.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
29-Jun-17	SDP	Lancelot		1.50	0.25	Sunny	Calm/Ripple	S	Normal or Full	0
29-Jun-17	SDP	Lancelot		1.50	0.25	Sunny	Calm/Ripple	S	Normal or Full	0
29-Jun-17	SDP	Lancelot		1.50	0.25	Sunny	Calm/Ripple	S	Normal or Full	0
26-Jun-17	RCF	Mattoon	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
26-Jun-17	RCF	Mattoon	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
26-Jun-17	RCF	Mattoon	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
26-Jun-17	RCF	Mattoon	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
26-Jun-17	RCF	Mattoon	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
06-Jun-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Moderate Waves	NE	Above Normal	0.5
06-Jun-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Moderate Waves	NE	Above Normal	0.5
06-Jun-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Moderate Waves	NE	Above Normal	0.5
26-Jun-17	RCG	Paradise	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
26-Jun-17	RCG	Paradise	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
26-Jun-17	RCG	Paradise	Less Than 5%	8.00	0	Sunny	Small Waves	N	Above Normal	1
10-May-17	RBL	Paris Twin East	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
10-May-17	RBL	Paris Twin East	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
10-May-17	RBL	Paris Twin East	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
21-Jun-17	RBL	Paris Twin East	Less Than 5%	2.00	0.1	Sunny	Calm/Ripple	SW	Above Normal	1
21-Jun-17	RBL	Paris Twin East	Less Than 5%	2.00	0.1	Sunny	Calm/Ripple	SW	Above Normal	1
21-Jun-17	RBL	Paris Twin East	Less Than 5%	2.00	0.1	Sunny	Calm/Ripple	SW	Above Normal	1
10-May-17	RBX	Paris Twin West	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
10-May-17	RBX	Paris Twin West	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
06-Jun-17	RDI	Jacksonville		
28-Jun-17	RDI	Jacksonville		
28-Jun-17	RDI	Jacksonville		
28-Jun-17	RDI	Jacksonville		
24-May-17	SDP	Lancelot	lots of rain, bio/marine weed spray 5/22/17	
24-May-17	SDP	Lancelot	lots of rain, bio/marine weed spray 5/22/17	
24-May-17	SDP	Lancelot	lots of rain, bio/marine weed spray 5/22/17	
14-Jun-17	SDP	Lancelot		lake treated 7 days ago
14-Jun-17	SDP	Lancelot		lake treated 7 days ago
14-Jun-17	SDP	Lancelot		lake treated 7 days ago
29-Jun-17	SDP	Lancelot		
29-Jun-17	SDP	Lancelot		
29-Jun-17	SDP	Lancelot		
26-Jun-17	RCF	Mattoon		
26-Jun-17	RCF	Mattoon		
26-Jun-17	RCF	Mattoon		
26-Jun-17	RCF	Mattoon		
26-Jun-17	RCF	Mattoon		
06-Jun-17	SDL	Mauvaise Terre		
06-Jun-17	SDL	Mauvaise Terre		
06-Jun-17	SDL	Mauvaise Terre		
26-Jun-17	RCG	Paradise		
26-Jun-17	RCG	Paradise		
26-Jun-17	RCG	Paradise		
10-May-17	RBL	Paris Twin East		
10-May-17	RBL	Paris Twin East		
10-May-17	RBL	Paris Twin East		
21-Jun-17	RBL	Paris Twin East		
21-Jun-17	RBL	Paris Twin East		
21-Jun-17	RBL	Paris Twin East		
10-May-17	RBX	Paris Twin West		
10-May-17	RBX	Paris Twin West		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
06-Jun-17	RDI	Jacksonville		9:12	RDI-3	36	FALSE	FALSE	0	12	9
28-Jun-17	RDI	Jacksonville		8:15	RDI-1	60	FALSE	FALSE	0	17	33
28-Jun-17	RDI	Jacksonville		8:36	RDI-2	46	FALSE	FALSE	0	17	16
28-Jun-17	RDI	Jacksonville		8:47	RDI-3	21	FALSE	FALSE	0	12	9
24-May-17	SDP	Lancelot		12:18	SDP-1	102	FALSE	FALSE	0	3	28
24-May-17	SDP	Lancelot		12:32	SDP-2	117	FALSE	FALSE	0	3	17.6
24-May-17	SDP	Lancelot		12:40	SDP-3	58	FALSE	FALSE	1	3	5
14-Jun-17	SDP	Lancelot		10:00	SDP-1	100	FALSE	FALSE	0	17	27
14-Jun-17	SDP	Lancelot		10:30	SDP-2	91	FALSE	FALSE	0	17	18
14-Jun-17	SDP	Lancelot		10:45	SDP-3	66	FALSE	TRUE	2	8	5.6
29-Jun-17	SDP	Lancelot		11:20	SDP-1	72	FALSE	FALSE	0	12	28.5
29-Jun-17	SDP	Lancelot		11:45	SDP-2	54	FALSE	FALSE	0	12	18
29-Jun-17	SDP	Lancelot		12:05	SDP-3	65	TRUE	FALSE	1	12	5.5
26-Jun-17	RCF	Mattoon	pumping water out of lake into lake paradise	11:36	RCF-1	18	FALSE	FALSE	0	3	26.6
26-Jun-17	RCF	Mattoon	pumping water out of lake into lake paradise	11:16	RCF-2	18	FALSE	FALSE	0	9	23.5
26-Jun-17	RCF	Mattoon	pumping water out of lake into lake paradise	10:51	RCF-3	6	FALSE	FALSE	0	13	6
26-Jun-17	RCF	Mattoon	pumping water out of lake into lake paradise	11:00	RCF-4	11	FALSE	FALSE	0	12	11.8
26-Jun-17	RCF	Mattoon	pumping water out of lake into lake paradise	11:28	RCF-5	15	FALSE	FALSE	0	9	19.4
06-Jun-17	SDL	Mauvaise Terre		9:45	SDL-1	23	FALSE	FALSE	0	14	7
06-Jun-17	SDL	Mauvaise Terre		10:51	SDL-2	13	FALSE	FALSE	0	14	10
06-Jun-17	SDL	Mauvaise Terre		10:12	SDL-3	18	FALSE	FALSE	0	14	7
26-Jun-17	RCG	Paradise	pumping into lake from lake mattoon	10:06	RCG-1	10	FALSE	FALSE	0	9	16
26-Jun-17	RCG	Paradise	pumping into lake from lake mattoon	9:56	RCG-2	10	FALSE	FALSE	0	9	7.9
26-Jun-17	RCG	Paradise	pumping into lake from lake mattoon	9:48	RCG-3	9	FALSE	FALSE	0	3	2.1
10-May-17	RBL	Paris Twin East		12:49	RBL-1	6	FALSE	FALSE	0	18	22
10-May-17	RBL	Paris Twin East		13:08	RBL-2	6	FALSE	FALSE	0	18	18
10-May-17	RBL	Paris Twin East		12:59	RBL-3	6	FALSE	FALSE	0	18	8
21-Jun-17	RBL	Paris Twin East		11:00	RBL-1	24	FALSE	FALSE	0	14	21
21-Jun-17	RBL	Paris Twin East		11:15	RBL-3	14	FALSE	FALSE	0	14	7
21-Jun-17	RBL	Paris Twin East		11:25	RBL-2	14	FALSE	FALSE	0	15	17
10-May-17	RBX	Paris Twin West		13:27	RBX-1	6	FALSE	FALSE		18	11
10-May-17	RBX	Paris Twin West		13:32	RBX-2	6	FALSE	FALSE		18	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
10-May-17	RBX	Paris Twin West	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2
21-Jun-17	RBX	Paris Twin West	Less Than 5%	2.00	0.1	Sunny	Calm/Ripple	SW	Above Normal	1
21-Jun-17	RBX	Paris Twin West	Less Than 5%	2.00	0.1	Sunny	Calm/Ripple	SW	Above Normal	1
21-Jun-17	RBX	Paris Twin West	Less Than 5%	2.00	0.1	Sunny	Calm/Ripple	SW	Above Normal	1
19-May-17	RDR	Spring	Less Than 5%	8.00		Overcast	Calm/Ripple	SE	Above Normal	1
19-May-17	RDR	Spring	Less Than 5%	8.00		Overcast	Calm/Ripple	SE	Above Normal	1
19-May-17	RDR	Spring	Less Than 5%	8.00		Overcast	Calm/Ripple	SE	Above Normal	1
31-May-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Calm/Ripple	N	Above Normal	1.5
31-May-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Calm/Ripple	N	Above Normal	1.5
31-May-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Calm/Ripple	N	Above Normal	1.5
01-Jun-17	RPI	Summerset		1.00	0.3	Sunny	Small Waves	SW	Above Normal	2
01-Jun-17	RPI	Summerset		1.00	0.3	Sunny	Small Waves	SW	Above Normal	2
01-Jun-17	RPI	Summerset		1.00	0.3	Sunny	Small Waves	SW	Above Normal	2
28-Jun-17	UDH	Sunset	Less Than 5%	1.00	0	Hazy	Small Waves	S	Normal or Full	0
28-Jun-17	UDH	Sunset	Less Than 5%	1.00	0	Hazy	Small Waves	S	Normal or Full	0
28-Jun-17	UDH	Sunset	Less Than 5%	1.00	0	Hazy	Small Waves	S	Normal or Full	0
15-Jun-17	SDQ	Thunderbird	Less Than 5%	1.00	1	Sunny	Calm/Ripple	W	Above Normal	2
15-Jun-17	SDQ	Thunderbird	Less Than 5%	1.00	1	Sunny	Calm/Ripple	W	Above Normal	2
15-Jun-17	SDQ	Thunderbird	Less Than 5%	1.00	1	Sunny	Calm/Ripple	W	Above Normal	2
29-Jun-17	SDQ	Thunderbird	Less Than 5%	1.00	0.75	Overcast	Calm/Ripple	SE	Above Normal	2
29-Jun-17	SDQ	Thunderbird	Less Than 5%	1.00	0.75	Overcast	Calm/Ripple	SE	Above Normal	2
29-Jun-17	SDQ	Thunderbird	Less Than 5%	1.00	0.75	Overcast	Calm/Ripple	SE	Above Normal	2
11-Jul-17	RAL	Lake of Egypt		6.00	0	Sunny	White Caps	W	Below Normal	1.5
11-Jul-17	RAL	Lake of Egypt		6.00	0	Sunny	White Caps	W	Below Normal	1.5
11-Jul-17	RAL	Lake of Egypt		6.00	0	Sunny	White Caps	W	Below Normal	1.5
01-Jul-17	SGB	Virginia	Less Than 5%	2.00	3	Sunny	Calm/Ripple	SW	Above Normal	3
01-Jul-17	SGB	Virginia	Less Than 5%	2.00	3	Sunny	Calm/Ripple	SW	Above Normal	3
01-Jul-17	SGB	Virginia	Less Than 5%	2.00	3	Sunny	Calm/Ripple	SW	Above Normal	3
22-May-17	RJJ	Weslake	Less Than 5%	1.00		Sunny	Calm/Ripple	SE	Normal or Full	0
22-May-17	RJJ	Weslake	Less Than 5%	1.00		Sunny	Calm/Ripple	SE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
10-May-17	RBX	Paris Twin West		
21-Jun-17	RBX	Paris Twin West		
21-Jun-17	RBX	Paris Twin West		
21-Jun-17	RBX	Paris Twin West		
19-May-17	RDR	Spring		
19-May-17	RDR	Spring		
19-May-17	RDR	Spring		
31-May-17	RDR	Spring		
31-May-17	RDR	Spring		
31-May-17	RDR	Spring		
01-Jun-17	RPI	Summerset	this month of May 1.5 in. above normal rain, spring 5 in.	
01-Jun-17	RPI	Summerset	this month of May 1.5 in. above normal rain, spring 5 in.	
01-Jun-17	RPI	Summerset	this month of May 1.5 in. above normal rain, spring 5 in.	
28-Jun-17	UDH	Sunset		
28-Jun-17	UDH	Sunset		
28-Jun-17	UDH	Sunset		
15-Jun-17	SDQ	Thunderbird		
15-Jun-17	SDQ	Thunderbird		
15-Jun-17	SDQ	Thunderbird		
29-Jun-17	SDQ	Thunderbird		
29-Jun-17	SDQ	Thunderbird		
29-Jun-17	SDQ	Thunderbird		
11-Jul-17	RAL	Lake of Egypt	Strong wind,some whitecaps --Heavy boat traffic holiday weekend	
11-Jul-17	RAL	Lake of Egypt	Strong wind,some whitecaps --Heavy boat traffic holiday weekend	
11-Jul-17	RAL	Lake of Egypt	Strong wind,some whitecaps --Heavy boat traffic holiday weekend	
01-Jul-17	SGB	Virginia	Lots of rain and wind 2 days ago	
01-Jul-17	SGB	Virginia	Lots of rain and wind 2 days ago	
01-Jul-17	SGB	Virginia	Lots of rain and wind 2 days ago	
22-May-17	RJJ	Weslake		Normal suspended solids. The clearest samples I've ever taken here.
22-May-17	RJJ	Weslake		Normal suspended solids. The clearest samples I've ever taken here.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
10-May-17	RBX	Paris Twin West		13:37	RBX-3	12	FALSE	FALSE		14	8
21-Jun-17	RBX	Paris Twin West		11:50	RBX-1	27	FALSE	FALSE	0	15	12
21-Jun-17	RBX	Paris Twin West		12:00	RBX-2	16	FALSE	FALSE	0	14	11
21-Jun-17	RBX	Paris Twin West		12:05	RBX-3	15	FALSE	FALSE	0	15	8
19-May-17	RDR	Spring		10:02	RDR-1	30	FALSE	FALSE	0	13	23
19-May-17	RDR	Spring		08:58	RDR-2	22	FALSE	FALSE	0	13	7
19-May-17	RDR	Spring		08:36	RDR-3	8	FALSE	FALSE	0	14	2
31-May-17	RDR	Spring		10:25	RDR-1	20	FALSE	FALSE	0	12	23
31-May-17	RDR	Spring		09:06	RDR-2	14	FALSE	FALSE	0	12	7
31-May-17	RDR	Spring		08:40	RDR-3	10	FALSE	FALSE	0	13	2
01-Jun-17	RPI	Summerset		16:40	RPI-1	96	FALSE	FALSE	0	8	32
01-Jun-17	RPI	Summerset		15:40	RPI-2	88	FALSE	FALSE	0	8	22.5
01-Jun-17	RPI	Summerset		15:15	RPI-3	66	FALSE	FALSE	0	17	13
28-Jun-17	UDH	Sunset		09:30	UDH-1	28	FALSE	FALSE	0	12	25
28-Jun-17	UDH	Sunset		09:45	UDH-2	23	FALSE	FALSE	0	12	15
28-Jun-17	UDH	Sunset		10:03	UDH-3	28	FALSE	FALSE	0	12	12
15-Jun-17	SDQ	Thunderbird		11:20	SDQ-1	38	FALSE	FALSE	0	8	35.5
15-Jun-17	SDQ	Thunderbird		11:35	SDQ-2	40	FALSE	FALSE	0	8	40
15-Jun-17	SDQ	Thunderbird		11:45	SDQ-3	29	FALSE	FALSE	0	7	13
29-Jun-17	SDQ	Thunderbird		10:40	SDQ-1	53	FALSE	FALSE	0	8	35
29-Jun-17	SDQ	Thunderbird		10:30	SDQ-2	41	FALSE	FALSE	0	17	21.5
29-Jun-17	SDQ	Thunderbird		10:15	SDQ-3	29	FALSE	FALSE	0	17	10
11-Jul-17	RAL	Lake of Egypt		09:55	RAL-1	48	FALSE	FALSE	0	13	37
11-Jul-17	RAL	Lake of Egypt		10:15	RAL-2	78	FALSE	FALSE	0	12	33
11-Jul-17	RAL	Lake of Egypt		10:32	RAL-3	48	FALSE	FALSE	0	12	10
01-Jul-17	SGB	Virginia		12:40	SGB-1	212	FALSE	FALSE	0	8	61
01-Jul-17	SGB	Virginia		12:30	SGB-2	196	FALSE	FALSE	0	20	45.5
01-Jul-17	SGB	Virginia		12:20	SGB-3	156	FALSE	FALSE	0	20	45.5
22-May-17	RJJ	Weslake		8:05	RJJ-1	61	FALSE	FALSE		17	32
22-May-17	RJJ	Weslake		8:25	RJJ-2	58	FALSE	FALSE		17	19

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-May-17	RJJ	Weslake	Less Than 5%	1.00		Sunny	Calm/Ripple	SE	Normal or Full	0
11-Jul-17	RGZM	Valley	Less Than 5%	2.00	1.09	Sunny	Calm/Ripple	NONE	Above Normal	7
11-Jul-17	RGZM	Valley	Less Than 5%	2.00	1.09	Sunny	Calm/Ripple	NONE	Above Normal	7
11-Jul-17	RGZM	Valley	Less Than 5%	2.00	1.09	Sunny	Calm/Ripple	NONE	Above Normal	7
07-Jul-17	VTZJ	Louise	No Selection	#VALUE!	0.5	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
07-Jul-17	VTZJ	Louise	No Selection	#VALUE!	0.5	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
07-Jul-17	VTZJ	Louise	No Selection	#VALUE!	0.5	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
11-Jul-17	RNZH	Campus	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NONE	No Selection	0
11-Jul-17	RNZH	Campus	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NONE	No Selection	0
11-Jul-17	RNZH	Campus	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NONE	No Selection	0
30-Jun-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	W	Normal or Full	0
30-Jun-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	W	Normal or Full	0
30-Jun-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	W	Normal or Full	0
06-Jun-17	STC	Little Silver		1.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
06-Jun-17	STC	Little Silver		1.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
06-Jun-17	STC	Little Silver		1.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
10-Jul-17	RMJ	Apple Canyon	Less Than 5%	6.00	0.75	Overcast	Small Waves	SE	Normal or Full	0
10-Jul-17	RMJ	Apple Canyon	Less Than 5%	6.00	0.75	Overcast	Small Waves	SE	Normal or Full	0
10-Jul-17	RMJ	Apple Canyon	Less Than 5%	6.00	0.75	Overcast	Small Waves	SE	Normal or Full	0
09-Jul-17	STO	Napa Suwe	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	E	Above Normal	4
11-Jul-17	RTZV	Killarney	51% To 70%	2.00	0.66	Overcast	Calm/Ripple	NONE	Above Normal	2
11-Jul-17	RTZV	Killarney	51% To 70%	2.00	0.66	Overcast	Calm/Ripple	NONE	Above Normal	2
11-Jul-17	RTZV	Killarney	51% To 70%	2.00	0.66	Overcast	Calm/Ripple	NONE	Above Normal	2
26-Jun-17	REL	Petersburg	Less Than 5%	3.00	0	Sunny	Small Waves	NW	Below Normal	4
26-Jun-17	REL	Petersburg	Less Than 5%	3.00	0	Sunny	Small Waves	NW	Below Normal	4
26-Jun-17	REL	Petersburg	Less Than 5%	3.00	0	Sunny	Small Waves	NW	Below Normal	4
12-Jul-17	REL	Petersburg	Less Than 5%	1.00	0.5	Sunny	Small Waves	S	Below Normal	4
12-Jul-17	REL	Petersburg	Less Than 5%	1.00	0.5	Sunny	Small Waves	S	Below Normal	4

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-May-17	RJJ	Weslake		Normal suspended solids. The clearest samples I've ever taken here.
11-Jul-17	RGZM	Valley	a lot of rain yesterday beginning of an algae bloom all over the lake	algae is forming on several spots on the east side
11-Jul-17	RGZM	Valley	a lot of rain yesterday beginning of an algae bloom all over the lake	algae is forming on several spots on the east side
11-Jul-17	RGZM	Valley	a lot of rain yesterday beginning of an algae bloom all over the lake	algae is forming on several spots on the east side
07-Jul-17	VTZJ	Louise		
07-Jul-17	VTZJ	Louise		
07-Jul-17	VTZJ	Louise		
11-Jul-17	RNZH	Campus		
11-Jul-17	RNZH	Campus		
11-Jul-17	RNZH	Campus		
30-Jun-17	STC	Little Silver	Windy Month	
30-Jun-17	STC	Little Silver	Windy Month	
30-Jun-17	STC	Little Silver	Windy Month	
06-Jun-17	STC	Little Silver	None	1 Pair of Swans with one baby
06-Jun-17	STC	Little Silver	None	1 Pair of Swans with one baby
06-Jun-17	STC	Little Silver	None	1 Pair of Swans with one baby
10-Jul-17	RMJ	Apple Canyon	None	
10-Jul-17	RMJ	Apple Canyon	None	
10-Jul-17	RMJ	Apple Canyon	None	
09-Jul-17	STO	Napa Suwe	We had a very rainy June with 14.4 inches in our rain gage.	Lots of filamentous algae present.
11-Jul-17	RTZV	Killarney	Heavy Rains, Lower D.O. levels	
11-Jul-17	RTZV	Killarney	Heavy Rains, Lower D.O. levels	
11-Jul-17	RTZV	Killarney	Heavy Rains, Lower D.O. levels	
26-Jun-17	REL	Petersburg	n/a	n/a
26-Jun-17	REL	Petersburg	n/a	n/a
26-Jun-17	REL	Petersburg	n/a	n/a
12-Jul-17	REL	Petersburg	n/a	n/a
12-Jul-17	REL	Petersburg	n/a	n/a

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-May-17	RJJ	Weslake		8:50	RJJ-3	53	TRUE	FALSE		17	4.5
11-Jul-17	RGZM	Valley	lake treated 6-27 with beneficial bacteria	12:50	RGZM-1	33	FALSE	FALSE	0	8	10
11-Jul-17	RGZM	Valley	lake treated 6-27 with beneficial bacteria	13:20	RGZM-2	30	FALSE	FALSE	0	3	8
11-Jul-17	RGZM	Valley	lake treated 6-27 with beneficial bacteria	13:37	RGZM-3	24	FALSE	FALSE	0	8	7
07-Jul-17	VTZJ	Louise		16:18	VTZJ-1	12	FALSE	FALSE	0	17	5.5
07-Jul-17	VTZJ	Louise		16:28	VTZJ-2	13	FALSE	FALSE	0	17	5
07-Jul-17	VTZJ	Louise		16:43	VTZJ-3	14	FALSE	FALSE	0	17	5.5
11-Jul-17	RNZH	Campus		14:52	RNZH-1	23	FALSE	FALSE	0	9	11.5
11-Jul-17	RNZH	Campus		14:25	RNZH-2	27	FALSE	FALSE	0	12	8.5
11-Jul-17	RNZH	Campus		14:37	RNZH-3	22	FALSE	FALSE	0	13	9
30-Jun-17	STC	Little Silver	None	11:20	STC-1	84	FALSE	FALSE	0	13	19
30-Jun-17	STC	Little Silver	None	11:30	STC-2	78	FALSE	FALSE	0	13	17.5
30-Jun-17	STC	Little Silver	None	11:45	STC-3	48	FALSE	TRUE	2	13	4.5
06-Jun-17	STC	Little Silver	Done in May	12:15	STC-1	144	FALSE	FALSE	0	13	20
06-Jun-17	STC	Little Silver	Done in May	12:25	STC-2	132	FALSE	FALSE	0	13	16.5
06-Jun-17	STC	Little Silver	Done in May	12:40	STC-3	54	FALSE	TRUE	2	13	5
10-Jul-17	RMJ	Apple Canyon	Weed harvesting Dredging in 1 bay	8:30	RMJ-1	90	FALSE	FALSE	0	0	46
10-Jul-17	RMJ	Apple Canyon	Weed harvesting Dredging in 1 bay	08:55	RMJ-2	83	FALSE	FALSE	0	0	49
10-Jul-17	RMJ	Apple Canyon	Weed harvesting Dredging in 1 bay	09:25	RMJ-3	42	FALSE	FALSE	1	0	10
09-Jul-17	STO	Napa Suwe	No activity	12:05	STO-1	40	FALSE	FALSE	2	12	4
11-Jul-17	RTZV	Killarney	Aerators turned on 7/11/17, on 12 hr. cycle 8:00 pm till 8:00 am	14:45	RTZV-1	162	FALSE	FALSE	0	3	22
11-Jul-17	RTZV	Killarney	Aerators turned on 7/11/17, on 12 hr. cycle 8:00 pm till 8:00 am	15:15	RTZV-2	150	FALSE	FALSE	0	3	18
11-Jul-17	RTZV	Killarney	Aerators turned on 7/11/17, on 12 hr. cycle 8:00 pm till 8:00 am	15:45	RTZV-3	126	FALSE	FALSE	2	3	11
26-Jun-17	REL	Petersburg	n/a	09:41	REL-1	62	FALSE	FALSE	0	3	60
26-Jun-17	REL	Petersburg	n/a	09:52	REL-2	53	FALSE	FALSE	0	8	48
26-Jun-17	REL	Petersburg	n/a	10:06	REL-3	48	FALSE	FALSE	0	3	32
12-Jul-17	REL	Petersburg	n/a	09:19	REL-1	87	FALSE	FALSE	0	8	52.5
12-Jul-17	REL	Petersburg	n/a	09:36	REL-2	58	FALSE	FALSE	0	3	32.3

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
09-May-17	REF	Springfield		6.00	0	Sunny	Moderate Waves	SW	Above Normal	6.5
09-May-17	REF	Springfield		6.00	0	Sunny	Moderate Waves	SW	Above Normal	6.5
09-May-17	REF	Springfield		6.00	0	Sunny	Moderate Waves	SW	Above Normal	6.5
09-May-17	REF	Springfield		6.00	0	Sunny	Moderate Waves	SW	Above Normal	6.5
09-May-17	REF	Springfield		6.00	0	Sunny	Moderate Waves	SW	Above Normal	6.5
12-Jul-17	RDF	Otter	Less Than 5%	4.00	0.8	Sunny	Small Waves	S	Below Normal	3
12-Jul-17	RDF	Otter	Less Than 5%	4.00	0.8	Sunny	Small Waves	S	Below Normal	3
12-Jul-17	RDF	Otter	Less Than 5%	4.00	0.8	Sunny	Small Waves	S	Below Normal	3
12-Jul-17	RDF	Otter	Less Than 5%	4.00	0.8	Sunny	Small Waves	S	Below Normal	3
16-Jul-17	RNJ	Devils Kitchen		4.00	0.5	Sunny	Calm/Ripple	NE	Above Normal	2
16-Jul-17	RNJ	Devils Kitchen		4.00	0.5	Sunny	Calm/Ripple	NE	Above Normal	2
16-Jul-17	RNJ	Devils Kitchen		4.00	0.5	Sunny	Calm/Ripple	NE	Above Normal	2
12-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	S	Above Normal	7.92
12-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	S	Above Normal	7.92
12-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	S	Above Normal	7.92
12-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	S	Above Normal	7.92
31-May-17	REF	Springfield		6.00	0.03	Sunny	Small Waves	NE	Above Normal	5.4
31-May-17	REF	Springfield		6.00	0.03	Sunny	Small Waves	NE	Above Normal	5.4
31-May-17	REF	Springfield		6.00	0.03	Sunny	Small Waves	NE	Above Normal	5.4
31-May-17	REF	Springfield		6.00	0.03	Sunny	Small Waves	NE	Above Normal	5.4
31-May-17	REF	Springfield		6.00	0.03	Sunny	Small Waves	NE	Above Normal	5.4
12-Jul-17	RDR	Spring	Less Than 5%	8.00	0.36	Sunny	Moderate Waves	W	Normal or Full	0
12-Jul-17	RDR	Spring	Less Than 5%	8.00	0.36	Sunny	Moderate Waves	W	Normal or Full	0
12-Jul-17	RDR	Spring	Less Than 5%	8.00	0.36	Sunny	Moderate Waves	W	Normal or Full	0
18-Jul-17	SGB	Virginia	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
18-Jul-17	SGB	Virginia	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
18-Jul-17	SGB	Virginia	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
09-May-17	REF	Springfield		
09-May-17	REF	Springfield		
09-May-17	REF	Springfield		
09-May-17	REF	Springfield		
09-May-17	REF	Springfield		
12-Jul-17	RDF	Otter		
12-Jul-17	RDF	Otter		
12-Jul-17	RDF	Otter		
12-Jul-17	RDF	Otter		
16-Jul-17	RNJ	Devils Kitchen		
16-Jul-17	RNJ	Devils Kitchen		
16-Jul-17	RNJ	Devils Kitchen		
12-Jul-17	RDO	Bloomington		
12-Jul-17	RDO	Bloomington		
12-Jul-17	RDO	Bloomington		
12-Jul-17	RDO	Bloomington		
31-May-17	REF	Springfield		
31-May-17	REF	Springfield		
31-May-17	REF	Springfield		
31-May-17	REF	Springfield		
31-May-17	REF	Springfield		
12-Jul-17	RDR	Spring		
12-Jul-17	RDR	Spring		
12-Jul-17	RDR	Spring		
18-Jul-17	SGB	Virginia	5.5 in. of rain 6 days ago. Lake water level was up to the docks.	phragmites, cattail, water lilies
18-Jul-17	SGB	Virginia	5.5 in. of rain 6 days ago. Lake water level was up to the docks.	phragmites, cattail, water lilies
18-Jul-17	SGB	Virginia	5.5 in. of rain 6 days ago. Lake water level was up to the docks.	phragmites, cattail, water lilies

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
09-May-17	REF	Springfield		13:35	REF-1	12	FALSE	FALSE	0	14	23.5
09-May-17	REF	Springfield		13:52	REF-2	9	FALSE	FALSE	0	19	19
09-May-17	REF	Springfield		14:06	REF-3	7	FALSE	FALSE	0	19	11.5
09-May-17	REF	Springfield		14:18	REF-5	8	FALSE	FALSE	0	19	7
09-May-17	REF	Springfield		14:36	REF-6	11	FALSE	FALSE	0	14	9
12-Jul-17	RDF	Otter		09:25	RDF-1	40	FALSE	FALSE	0	12	49
12-Jul-17	RDF	Otter		09:45	RDF-2	39	FALSE	FALSE	0	3	29
12-Jul-17	RDF	Otter		10:30	RDF-3	15	FALSE	FALSE	0	12	7.5
12-Jul-17	RDF	Otter		10:10	RDF-4	28	FALSE	FALSE	0	12	28.5
16-Jul-17	RNJ	Devils Kitchen		14:36	RNJ-1	60	FALSE	FALSE	3	13	20
16-Jul-17	RNJ	Devils Kitchen		14:17	RNJ-2	60	FALSE	FALSE	3	13	20
16-Jul-17	RNJ	Devils Kitchen		13:40	RNJ-3	60	FALSE	FALSE	2	12	23
12-Jul-17	RDO	Bloomington		09:20	RDO-1	32	FALSE	FALSE	0	9	30
12-Jul-17	RDO	Bloomington		09:35	RDO-2	36	FALSE	FALSE	0	7	25
12-Jul-17	RDO	Bloomington		09:55	RDO-3	18	FALSE	FALSE	0	15	13
12-Jul-17	RDO	Bloomington		10:25	RDO-4	24	FALSE	FALSE	0	6	14
31-May-17	REF	Springfield		10:30	REF-1	16	FALSE	FALSE	0	0	21
31-May-17	REF	Springfield		10:43	REF-2	10	FALSE	FALSE	0	0	18
31-May-17	REF	Springfield		10:55	REF-3	10	FALSE	FALSE	0	0	11
31-May-17	REF	Springfield		11:06	REF-5	12	FALSE	FALSE	0	0	7.5
31-May-17	REF	Springfield		11:20	REF-6	16	FALSE	FALSE	0	0	8
12-Jul-17	RDR	Spring		10:25	RDR-1	26	FALSE	FALSE	0	13	22
12-Jul-17	RDR	Spring		09:25	RDR-2	13	FALSE	FALSE	0	12	7
12-Jul-17	RDR	Spring		09:05	RDR-3	7	FALSE	FALSE	0	13	2
18-Jul-17	SGB	Virginia	6/4 Cutrine plus granular around perimeter of the lake	09:45	SGB-1	309	FALSE	FALSE	0	3	61
18-Jul-17	SGB	Virginia	6/4 Cutrine plus granular around perimeter of the lake	09:25	SGB-2	272	FALSE	FALSE	0	3	43.5
18-Jul-17	SGB	Virginia	6/4 Cutrine plus granular around perimeter of the lake	08:45	SGB-3	256	FALSE	FALSE	0	2	45

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
18-Jul-17	VGZF	Deboer Woods		12.00	0	Sunny	Calm/Ripple	SW	Below Normal	4
18-Jul-17	VGZF	Deboer Woods		12.00	0	Sunny	Calm/Ripple	SW	Below Normal	4
18-Jul-17	VGZF	Deboer Woods		12.00	0	Sunny	Calm/Ripple	SW	Below Normal	4
17-Jul-17	REB	Sangchris	Less Than 5%	8.00	0.5	Sunny	Small Waves	NE	Below Normal	3
17-Jul-17	REB	Sangchris	Less Than 5%	8.00	0.5	Sunny	Small Waves	NE	Below Normal	3
17-Jul-17	REB	Sangchris	Less Than 5%	8.00	0.5	Sunny	Small Waves	NE	Below Normal	3
17-Jul-17	REB	Sangchris	Less Than 5%	8.00	0.5	Sunny	Small Waves	NE	Below Normal	3
11-Jul-17	VTD	Deep		3.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
11-Jul-17	VTD	Deep		3.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
11-Jul-17	VTD	Deep		3.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
11-Jul-17	VTD	Deep		3.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
09-Jul-17	RGR	Charles	Less Than 5%	7.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	3.5
09-Jul-17	RGR	Charles	Less Than 5%	7.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	3.5

Sample Date	Lake Code	Waterbody	Observations	Other Information
18-Jul-17	VGZF	Deboer Woods		Blue green algal bloom predominately on south shore
18-Jul-17	VGZF	Deboer Woods		Blue green algal bloom predominately on south shore
18-Jul-17	VGZF	Deboer Woods		Blue green algal bloom predominately on south shore
17-Jul-17	REB	Sangchris		Brittle naiad (<i>Najas minor</i>), Sago Pondweed (<i>Stuckenia pectinata</i>) in west arm. Water willow (<i>Justicia americana</i>) present on shoreline throughout lake
17-Jul-17	REB	Sangchris		Brittle naiad (<i>Najas minor</i>), Sago Pondweed (<i>Stuckenia pectinata</i>) in west arm. Water willow (<i>Justicia americana</i>) present on shoreline throughout lake
17-Jul-17	REB	Sangchris		Brittle naiad (<i>Najas minor</i>), Sago Pondweed (<i>Stuckenia pectinata</i>) in west arm. Water willow (<i>Justicia americana</i>) present on shoreline throughout lake
17-Jul-17	REB	Sangchris		Brittle naiad (<i>Najas minor</i>), Sago Pondweed (<i>Stuckenia pectinata</i>) in west arm. Water willow (<i>Justicia americana</i>) present on shoreline throughout lake
11-Jul-17	VTD	Deep		Zebra trap = 8 @ 2mm-8mm
11-Jul-17	VTD	Deep		Zebra trap = 8 @ 2mm-8mm
11-Jul-17	VTD	Deep		Zebra trap = 8 @ 2mm-8mm
11-Jul-17	VTD	Deep		Zebra trap = 8 @ 2mm-8mm
09-Jul-17	RGR	Charles	9 days no rain	moderate algae, blue-green, slight odor, GB heron, kildeer at the beach, terns, suspended algae, horned pondweed, sago, waterwillow, cattail, burr reed, water iris, pickerel
09-Jul-17	RGR	Charles	9 days no rain	moderate algae, blue-green, slight odor, GB heron, kildeer at the beach, terns, suspended algae, horned pondweed, sago, waterwillow, cattail, burr reed, water iris, pickerel

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
18-Jul-17	VGZF	Deboer Woods	Aeration system operating 4 out of 6 heads. Aeration started June 15	13:05	VGZF-1	36	FALSE	FALSE	0	13	21.5
18-Jul-17	VGZF	Deboer Woods	Aeration system operating 4 out of 6 heads. Aeration started June 15	13:45	VGZF-2	34	FALSE	FALSE	0	12	12
18-Jul-17	VGZF	Deboer Woods	Aeration system operating 4 out of 6 heads. Aeration started June 15	14:18	VGZF-3	39	FALSE	FALSE	1	12	8
17-Jul-17	REB	Sangchris		11:21	REB-1	21	FALSE	FALSE	0	8	31.5
17-Jul-17	REB	Sangchris		10:33	REB-2	32	FALSE	FALSE	0	9	26.5
17-Jul-17	REB	Sangchris		12:22	REB-3	17	FALSE	FALSE	0	17	15
17-Jul-17	REB	Sangchris		12:46	REB-4	19	FALSE	FALSE	0	17	4
11-Jul-17	VTD	Deep		10:10	VTD-1	250	FALSE	FALSE	0	8	49
11-Jul-17	VTD	Deep		10:45	VTD-2	248	FALSE	FALSE	0	8	35
11-Jul-17	VTD	Deep		11:10	VTD-3	251	FALSE	FALSE	0	8	38
11-Jul-17	VTD	Deep		11:35	VTD-4	233	FALSE	FALSE	0	8	25
09-Jul-17	RGR	Charles	27June2017:DO=5.2,20# copper, 6 gals black onyx, dying weeds; 1-S:9.42pH,84.1F,608ms,303ppm; 1-17:9.16pH,82.9F,615ms,306ppm; 2-S:9.12pH,80.0F,604ms,302ppm; 2-4:9.08pH,82.2F,601ms,301ppm; 3-S:9.32pH,81.1F,609ms,305ppm; 3-3:9.31pH,80.2F,613ms,305ppm;	12:40	RGR-1	28	FALSE	FALSE	0	8	19.5
09-Jul-17	RGR	Charles	27June2017:DO=5.2,20# copper, 6 gals black onyx, dying weeds; 1-S:9.42pH,84.1F,608ms,303ppm; 1-17:9.16pH,82.9F,615ms,306ppm; 2-S:9.12pH,80.0F,604ms,302ppm; 2-4:9.08pH,82.2F,601ms,301ppm; 3-S:9.32pH,81.1F,609ms,305ppm; 3-3:9.31pH,80.2F,613ms,305ppm;	11:10	RGR-2	31	FALSE	FALSE	0	8	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
09-Jul-17	RGR	Charles	Less Than 5%	7.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	3.5
14-Jul-17	RBU	Crystal	Less Than 5%	2.25	0.01	Sunny	Calm/Ripple	NW	Below Normal	21
14-Jul-17	RBU	Crystal	Less Than 5%	2.25	0.01	Sunny	Calm/Ripple	NW	Below Normal	21
14-Jul-17	RBU	Crystal	Less Than 5%	2.25	0.01	Sunny	Calm/Ripple	NW	Below Normal	21
18-Jul-17	RJD	Dunlap	No Selection	2.00	0	Sunny	Calm/Ripple	N	Above Normal	1
18-Jul-17	RJD	Dunlap	No Selection	2.00	0	Sunny	Calm/Ripple	N	Above Normal	1
18-Jul-17	RJD	Dunlap	No Selection	2.00	0	Sunny	Calm/Ripple	N	Above Normal	1
15-Jun-17	UTV	Cross		1.00	0.25	Partly Cloudy	Calm/Ripple	NE	Below Normal	3
15-Jun-17	UTV	Cross		1.00	0.25	Partly Cloudy	Calm/Ripple	NE	Below Normal	3
15-Jun-17	UTV	Cross		1.00	0.25	Partly Cloudy	Calm/Ripple	NE	Below Normal	3
15-Jun-17	UTV	Cross		1.00	0.25	Partly Cloudy	Calm/Ripple	NE	Below Normal	3
18-Jul-17	RTZU	Honey	No Selection	#VALUE!	0	Sunny	Calm/Ripple	S	Below Normal	0
18-Jul-17	RTZU	Honey	No Selection	#VALUE!	0	Sunny	Calm/Ripple	S	Below Normal	0
18-Jul-17	RTZU	Honey	No Selection	#VALUE!	0	Sunny	Calm/Ripple	S	Below Normal	0
17-Jul-17	RGV	Druce		2.00	0	Sunny	Small Waves	SE	Above Normal	12
17-Jul-17	RGV	Druce		2.00	0	Sunny	Small Waves	SE	Above Normal	12
17-Jul-17	RGV	Druce		2.00	0	Sunny	Small Waves	SE	Above Normal	12
04-Jul-17	RGV	Druce	No Selection	2.00	0	Partly Cloudy	Small Waves	SE	No Selection	0
04-Jul-17	RGV	Druce	No Selection	2.00	0	Partly Cloudy	Small Waves	SE	No Selection	0
04-Jul-17	RGV	Druce	No Selection	2.00	0	Partly Cloudy	Small Waves	SE	No Selection	0
20-Jul-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	SW	Below Normal	1.5
20-Jul-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jul-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jul-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
20-Jul-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0.4
19-Jul-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	5

Sample Date	Lake Code	Waterbody	Observations	Other Information
09-Jul-17	RGR	Charles	9 days no rain	moderate algae, blue-green, slight odor, GB heron, kildeer at the beach, terns, suspended algae, horned pondweed, sago, waterwillow, cattail, burr reed, water iris, pickerel
14-Jul-17	RBU	Crystal	Very little rain in past 2 weeks	Interesting dark green/ black blobs of algae. Plan to send for testing next week.
14-Jul-17	RBU	Crystal	Very little rain in past 2 weeks	Interesting dark green/ black blobs of algae. Plan to send for testing next week.
14-Jul-17	RBU	Crystal	Very little rain in past 2 weeks	Interesting dark green/ black blobs of algae. Plan to send for testing next week.
18-Jul-17	RJD	Dunlap		
18-Jul-17	RJD	Dunlap		
18-Jul-17	RJD	Dunlap		
15-Jun-17	UTV	Cross		
15-Jun-17	UTV	Cross		
15-Jun-17	UTV	Cross		
15-Jun-17	UTV	Cross		
18-Jul-17	RTZU	Honey		
18-Jul-17	RTZU	Honey		
18-Jul-17	RTZU	Honey		
17-Jul-17	RGV	Druce	Serious record flooding last week lots of runoff	beach closed due to high bacteria levels
17-Jul-17	RGV	Druce	Serious record flooding last week lots of runoff	beach closed due to high bacteria levels
17-Jul-17	RGV	Druce	Serious record flooding last week lots of runoff	beach closed due to high bacteria levels
04-Jul-17	RGV	Druce		
04-Jul-17	RGV	Druce		
04-Jul-17	RGV	Druce		
20-Jul-17	RND	Murphysboro	None	None
20-Jul-17	RNC	Kinkaid	None	None
20-Jul-17	RNC	Kinkaid	None	None
20-Jul-17	RNC	Kinkaid	None	None
20-Jul-17	RNC	Kinkaid	None	None
19-Jul-17	RDF	Otter		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
09-Jul-17	RGR	Charles	27June2017:DO=5.2,20# copper, 6 gals black onyx, dying weeds; 1-S:9.42pH,84.1F,608ms,303ppm; 1-17:9.16pH,82.9F,615ms,306ppm; 2-S:9.12pH,80.0F,604ms,302ppm; 2-4:9.08pH,82.2F,601ms,301ppm; 3-S:9.32pH,81.1F,609ms,305ppm; 3-3:9.31pH,80.2F,613ms,305ppm;	11:55	RGR-3	30	FALSE	FALSE	0	8	5
14-Jul-17	RBU	Crystal	Lake level hasn't recovered from lowering for lake maintenance.	10:20	RBU-1	18	FALSE	FALSE	0	8	5.5
14-Jul-17	RBU	Crystal	Lake level hasn't recovered from lowering for lake maintenance.	10:15	RBU-3	30	FALSE	FALSE	0	12	7
14-Jul-17	RBU	Crystal	Lake level hasn't recovered from lowering for lake maintenance.	10:06	RBU-7	33	FALSE	FALSE	0	8	8
18-Jul-17	RJD	Dunlap		09:20	RJD-1	27	FALSE	FALSE	0	0	24
18-Jul-17	RJD	Dunlap		09:48	RJD-2	24	FALSE	FALSE	0	0	16
18-Jul-17	RJD	Dunlap		10:00	RJD-3	24	FALSE	FALSE	0	0	8
15-Jun-17	UTV	Cross		14:51	UTV-1	132	FALSE	FALSE	0	3	26
15-Jun-17	UTV	Cross		15:02	UTV-2	78	FALSE	TRUE	1	17	7.5
15-Jun-17	UTV	Cross		15:10	UTV-3	114	FALSE	FALSE	0	17	23
15-Jun-17	UTV	Cross		15:24	UTV-4	144	FALSE	FALSE	0	3	144
18-Jul-17	RTZU	Honey	Mechanically removed cattails and lilies in swimming area	12:07	RTZU-1	46	FALSE	FALSE	0	13	19
18-Jul-17	RTZU	Honey	Mechanically removed cattails and lilies in swimming area	12:25	RTZU-2	44	FALSE	FALSE	0	13	19
18-Jul-17	RTZU	Honey	Mechanically removed cattails and lilies in swimming area	12:42	RTZU-3	48	FALSE	FALSE	0	13	18
17-Jul-17	RGV	Druce		19:45	RGV-1	60	FALSE	FALSE	0	8	33.5
17-Jul-17	RGV	Druce		19:30	RGV-2	67	FALSE	FALSE	0	8	22
17-Jul-17	RGV	Druce		19:15	RGV-3	57	FALSE	FALSE	0	8	19
04-Jul-17	RGV	Druce		14:45	RGV-1	89	FALSE	FALSE	0	8	33
04-Jul-17	RGV	Druce		14:56	RGV-2	80	FALSE	FALSE	0	8	25.5
04-Jul-17	RGV	Druce		15:14	RGV-3	84	FALSE	FALSE	0	8	10
20-Jul-17	RND	Murphysboro	None	11:25	RND-1	13	FALSE	FALSE	0	12	7
20-Jul-17	RNC	Kinkaid	None	10:18	RNC-1	72	FALSE	FALSE	0	13	57
20-Jul-17	RNC	Kinkaid	None	09:52	RNC-2	62	FALSE	FALSE	0	13	40
20-Jul-17	RNC	Kinkaid	None	09:31	RNC-3	38	FALSE	FALSE	0	13	27
20-Jul-17	RNC	Kinkaid	None	10:50	RNC-9	57	FALSE	FALSE	0	12	22
19-Jul-17	RDF	Otter		09:26	RDF-1	36	FALSE	FALSE	0	12	49.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Jul-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	5
19-Jul-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	5
19-Jul-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	5
17-Jul-17	RCE	Sara	Less Than 5%	4.00	0.5	Sunny	Calm/Ripple	W	Below Normal	10
17-Jul-17	RCE	Sara	Less Than 5%	4.00	0.5	Sunny	Calm/Ripple	W	Below Normal	10
17-Jul-17	RCE	Sara	Less Than 5%	4.00	0.5	Sunny	Calm/Ripple	W	Below Normal	10
18-Jul-17	RBD	Vermilion	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
18-Jul-17	RBD	Vermilion	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
18-Jul-17	RBD	Vermilion	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
21-Jul-17	REE	Dawson	Less Than 5%	2.00	0.01	Partly Cloudy	Calm/Ripple	SE	Below Normal	5
21-Jul-17	REE	Dawson	Less Than 5%	2.00	0.01	Partly Cloudy	Calm/Ripple	SE	Below Normal	5
21-Jul-17	REE	Dawson	Less Than 5%	2.00	0.01	Partly Cloudy	Calm/Ripple	SE	Below Normal	5
06-Jul-17	REE	Dawson	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NE	Below Normal	1
06-Jul-17	REE	Dawson	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NE	Below Normal	1
06-Jul-17	REE	Dawson	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NE	Below Normal	1
23-Jul-17	VTZ	Charlotte	Less Than 5%	4.00	1.02	Sunny	Calm/Ripple	N	Below Normal	1
23-Jul-17	VTZ	Charlotte	Less Than 5%	4.00	1.02	Sunny	Calm/Ripple	N	Below Normal	1
24-Jul-17	RBU	Crystal	Less Than 5%	3.00	0.38	Overcast	Calm/Ripple	E	Below Normal	20
24-Jul-17	RBU	Crystal	Less Than 5%	3.00	0.38	Overcast	Calm/Ripple	E	Below Normal	20
24-Jul-17	RBU	Crystal	Less Than 5%	3.00	0.38	Overcast	Calm/Ripple	E	Below Normal	20
24-Jul-17	RTZV	Killarney	51% To 70%	3.00	2.5	Partly Cloudy	Small Waves	NE	Above Normal	8
24-Jul-17	RTZV	Killarney	51% To 70%	3.00	2.5	Partly Cloudy	Small Waves	NE	Above Normal	8
24-Jul-17	RTZV	Killarney	51% To 70%	3.00	2.5	Partly Cloudy	Small Waves	NE	Above Normal	8
27-Jun-17	RTZF	Tower	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RTZF	Tower	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Jul-17	RDF	Otter		
19-Jul-17	RDF	Otter		
19-Jul-17	RDF	Otter		
17-Jul-17	RCE	Sara		
17-Jul-17	RCE	Sara		
17-Jul-17	RCE	Sara		
18-Jul-17	RBD	Vermilion	Surface scum present.	Yellow lotus is back at Heron Park (north end of lake).
18-Jul-17	RBD	Vermilion	Surface scum present.	Yellow lotus is back at Heron Park (north end of lake).
18-Jul-17	RBD	Vermilion	Surface scum present.	Yellow lotus is back at Heron Park (north end of lake).
21-Jul-17	REE	Dawson	Water temp 86; Wind SE @ 8	
21-Jul-17	REE	Dawson	Water temp 86; Wind SE @ 8	
21-Jul-17	REE	Dawson	Water temp 86; Wind SE @ 8	
06-Jul-17	REE	Dawson		81 water temp; wind NE @ 7; water sample taken
06-Jul-17	REE	Dawson		81 water temp; wind NE @ 7; water sample taken
06-Jul-17	REE	Dawson		81 water temp; wind NE @ 7; water sample taken
23-Jul-17	VTZ	Charlotte	Heavy rain last few days	A few smll slumps of algae. layer of pollen on top of the lake
23-Jul-17	VTZ	Charlotte	Heavy rain last few days	A few smll slumps of algae. layer of pollen on top of the lake
24-Jul-17	RBU	Crystal		Blue green algae bloom spotted on 7/17/17. Waiting on exact toxin levels from EPA. Bloom prominence has varied greatly over the last week. Boating and fishing has been stopped.
24-Jul-17	RBU	Crystal		Blue green algae bloom spotted on 7/17/17. Waiting on exact toxin levels from EPA. Bloom prominence has varied greatly over the last week. Boating and fishing has been stopped.
24-Jul-17	RBU	Crystal		Blue green algae bloom spotted on 7/17/17. Waiting on exact toxin levels from EPA. Bloom prominence has varied greatly over the last week. Boating and fishing has been stopped.
24-Jul-17	RTZV	Killarney	Heavy Rainfall past 48 hrs. Lake level high	
24-Jul-17	RTZV	Killarney	Heavy Rainfall past 48 hrs. Lake level high	
24-Jul-17	RTZV	Killarney	Heavy Rainfall past 48 hrs. Lake level high	
27-Jun-17	RTZF	Tower		Lily Pads
27-Jun-17	RTZF	Tower		Lily Pads

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Jul-17	RDF	Otter		10:05	RDF-2	30	FALSE	FALSE	0	12	29
19-Jul-17	RDF	Otter		10:59	RDF-3	15	FALSE	FALSE	0	3	8.5
19-Jul-17	RDF	Otter		10:29	RDF-4	20	FALSE	FALSE	0	12	29
17-Jul-17	RCE	Sara		11:11	RCE-1	33	FALSE	FALSE	0	0	48
17-Jul-17	RCE	Sara		11:18	RCE-2	40	FALSE	FALSE	0	0	35
17-Jul-17	RCE	Sara		11:24	RCE-3	33	FALSE	FALSE	0	0	18
18-Jul-17	RBD	Vermilion		11:08	RBD-1	32	FALSE	FALSE	0	0	16.5
18-Jul-17	RBD	Vermilion		10:38	RBD-2	27	FALSE	FALSE	0	0	11
18-Jul-17	RBD	Vermilion		10:26	RBD-3	16	FALSE	FALSE	0	0	5.5
21-Jul-17	REE	Dawson		12:45	REE-1	45	FALSE	FALSE	0	17	24
21-Jul-17	REE	Dawson		12:27	REE-2	47	FALSE	FALSE	0	8	12
21-Jul-17	REE	Dawson		12:12	REE-3	36	FALSE	FALSE	0	12	6.5
06-Jul-17	REE	Dawson		11:30	REE-1	64	FALSE	FALSE	0	8	24
06-Jul-17	REE	Dawson		12:30	REE-2	47	FALSE	FALSE	0	7	12
06-Jul-17	REE	Dawson		12:40	REE-3	37	FALSE	FALSE	0	12	6.5
23-Jul-17	VTZ	Charlotte	None	10:15	VTZ-1	83	FALSE	FALSE	0	17	12
23-Jul-17	VTZ	Charlotte	None	10:45	VTZ-2	62	TRUE	FALSE	0	17	5
24-Jul-17	RBU	Crystal		10:51	RBU-1	29	FALSE	FALSE	0	3	6.5
24-Jul-17	RBU	Crystal		10:44	RBU-3	29	FALSE	FALSE	0	3	7.5
24-Jul-17	RBU	Crystal		10:37	RBU-7	31	FALSE	FALSE	0	8	9
24-Jul-17	RTZV	Killarney	Aerators turned on 24/7 schedule as July 24th 2017	14:15	RTZV-1	111	FALSE	FALSE	0	13	23
24-Jul-17	RTZV	Killarney	Aerators turned on 24/7 schedule as July 24th 2017	14:50	RTZV-2	114	FALSE	FALSE	2	13	19
24-Jul-17	RTZV	Killarney	Aerators turned on 24/7 schedule as July 24th 2017	15:25	RTZV-3	111	FALSE	FALSE	2	13	11
27-Jun-17	RTZF	Tower		15:15	RTZF-1	60	FALSE	FALSE	3	13	6
27-Jun-17	RTZF	Tower		15:30	RTZF-2	66	FALSE	FALSE	3	13	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
27-Jun-17	RTZF	Tower	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
19-Jul-17	RTZF	Tower	51% To 70%	2.00	0	Overcast	Calm/Ripple	NONE	Above Normal	5
19-Jul-17	RTZF	Tower	51% To 70%	2.00	0	Overcast	Calm/Ripple	NONE	Above Normal	5
19-Jul-17	RTZF	Tower	51% To 70%	2.00	0	Overcast	Calm/Ripple	NONE	Above Normal	5
19-Jul-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
19-Jul-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
19-Jul-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
24-Jul-17	STM	La Fox Pond	Less Than 5%	3.00	0.5	Partly Cloudy	Small Waves	NE	Above Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
27-Jun-17	RTZF	Tower		Lily Pads
19-Jul-17	RTZF	Tower		Lily Pads
19-Jul-17	RTZF	Tower		Lily Pads
19-Jul-17	RTZF	Tower		Lily Pads
19-Jul-17	RPZI	Richardson Wildlife	Planktonic algae bloom	D.O. 8.74 PPM; 115.8% Saturation Temp: 79.4' F; 26.5' C Horned Pondweed, Softstem Bulrush, Chara
19-Jul-17	RPZI	Richardson Wildlife	Planktonic algae bloom	D.O. 8.74 PPM; 115.8% Saturation Temp: 79.4' F; 26.5' C Horned Pondweed, Softstem Bulrush, Chara
19-Jul-17	RPZI	Richardson Wildlife	Planktonic algae bloom	D.O. 8.74 PPM; 115.8% Saturation Temp: 79.4' F; 26.5' C Horned Pondweed, Softstem Bulrush, Chara
24-Jul-17	STM	La Fox Pond	~3" of rain 3 d ago	D.O. 8.83 PPM; 115.6% Sat Temp 80.7' F; 26.7' C Horned Pondweed, Chara, minor amt Filamentous Algae

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
27-Jun-17	RTZF	Tower		15:50	RTZF-3	50	FALSE	FALSE	3	13	5.5
19-Jul-17	RTZF	Tower		08:50	RTZF-1	46	FALSE	FALSE	3	13	6
19-Jul-17	RTZF	Tower		09:10	RTZF-2	44	FALSE	FALSE	3	13	7.5
19-Jul-17	RTZF	Tower		09:25	RTZF-3	45	FALSE	FALSE	3	12	6
19-Jul-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. -Secchi color readings greatly affected by aquashade blue dye. 7/5 treated with 2.5G Cutrine Ultra; 0.75G Clearigate 7/6 250lb Phycomycin 7/132.5G Cutrine Ultra; 0.75G Clearigate	09:52	RPZI-1	24	FALSE	FALSE	0	1	6.5
19-Jul-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. -Secchi color readings greatly affected by aquashade blue dye. 7/5 treated with 2.5G Cutrine Ultra; 0.75G Clearigate 7/6 250lb Phycomycin 7/132.5G Cutrine Ultra; 0.75G Clearigate	10:05	RPZI-2	22	FALSE	FALSE	0	1	8
19-Jul-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. -Secchi color readings greatly affected by aquashade blue dye. 7/5 treated with 2.5G Cutrine Ultra; 0.75G Clearigate 7/6 250lb Phycomycin 7/132.5G Cutrine Ultra; 0.75G Clearigate	10:15	RPZI-3	24	FALSE	FALSE	0	1	3.5
24-Jul-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. -Secchi color readings greatly affected by aquashade blue dye. 6/20 treated w 0.5G Cutrine Ultra & 16oz Clearigate 7/6 1.5G Cutrine Ultra & 0.75G Clearigate	10:41	STM-1	75	FALSE	FALSE	0	1	9.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
24-Jul-17	STM	La Fox Pond	Less Than 5%	3.00	0.5	Partly Cloudy	Small Waves	NE	Above Normal	3
24-Jul-17	STM	La Fox Pond	Less Than 5%	3.00	0.5	Partly Cloudy	Small Waves	NE	Above Normal	3
25-Jul-17	RAL	Lake of Egypt		12.00	0.25	Overcast	Calm/Ripple	SE	Below Normal	2
25-Jul-17	RAL	Lake of Egypt		12.00	0.25	Overcast	Calm/Ripple	SE	Below Normal	2
25-Jul-17	RAL	Lake of Egypt		12.00	0.25	Overcast	Calm/Ripple	SE	Below Normal	2
25-Jul-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Above Normal	3
25-Jul-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Above Normal	3
25-Jul-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Above Normal	3
26-Jul-17	RGZB	Hastings		4.50	0	Overcast	Calm/Ripple	SW	Above Normal	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
24-Jul-17	STM	La Fox Pond	~3" of rain 3 d ago	D.O. 8.83 PPM; 115.6% Sat Temp 80.7' F; 26.7' C Horned Pondweed, Chara, minor amt Filamentous Algae
24-Jul-17	STM	La Fox Pond	~3" of rain 3 d ago	D.O. 8.83 PPM; 115.6% Sat Temp 80.7' F; 26.7' C Horned Pondweed, Chara, minor amt Filamentous Algae
25-Jul-17	RAL	Lake of Egypt		
25-Jul-17	RAL	Lake of Egypt		
25-Jul-17	RAL	Lake of Egypt		
25-Jul-17	RJZK	Gamlin	Had 3 in rain one week ago.	Had some 100 degree weather and now the water is really warm
25-Jul-17	RJZK	Gamlin	Had 3 in rain one week ago.	Had some 100 degree weather and now the water is really warm
25-Jul-17	RJZK	Gamlin	Had 3 in rain one week ago.	Had some 100 degree weather and now the water is really warm
26-Jul-17	RGZB	Hastings	Over 5" of rain the past 2 weeks. Flooding in Lake County	Monitoring started before protocol time of 10am to avoid strong winds and waves. Vegetation is primarily along the shore in shallower water. Water color was a dark # 13.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
24-Jul-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. -Secchi color readings greatly affected by aquashade blue dye. 6/20 treated w 0.5G Cutrine Ultra & 16oz Clearigate 7/6 1.5G Cutrine Ultra & 0.75G Clearigate	10:52	STM-2	75	TRUE	FALSE	1	1	6.5
24-Jul-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. -Secchi color readings greatly affected by aquashade blue dye. 6/20 treated w 0.5G Cutrine Ultra & 16oz Clearigate 7/6 1.5G Cutrine Ultra & 0.75G Clearigate	10:59	STM-3	72	FALSE	FALSE	2	1	6.5
25-Jul-17	RAL	Lake of Egypt		09:55	RAL-1	48	FALSE	FALSE	0	13	37
25-Jul-17	RAL	Lake of Egypt		10:12	RAL-2	60	FALSE	FALSE	0	12	33
25-Jul-17	RAL	Lake of Egypt		10:27	RAL-3	54	FALSE	FALSE	0	12	10
25-Jul-17	RJZK	Gamlin	fixed spillway - which has raised water level. Lake will be 6 inches higher overall now before draining.	19:00	RJZK-1	28	FALSE	FALSE	1	7	6
25-Jul-17	RJZK	Gamlin	fixed spillway - which has raised water level. Lake will be 6 inches higher overall now before draining.	19:20	RJZK-2	30	FALSE	FALSE	1	7	6.5
25-Jul-17	RJZK	Gamlin	fixed spillway - which has raised water level. Lake will be 6 inches higher overall now before draining.	19:25	RJZK-3	28	FALSE	FALSE	1	7	7
26-Jul-17	RGZB	Hastings		08:06	RGZB-1	48	FALSE	FALSE	0	13	27

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Jul-17	RGZB	Hastings		4.50	0	Overcast	Calm/Ripple	SW	Above Normal	0
26-Jul-17	RTW	Silver		5.00	0	Partly Cloudy	Small Waves	SW	Above Normal	6
26-Jul-17	RTW	Silver		5.00	0	Partly Cloudy	Small Waves	SW	Above Normal	6
26-Jul-17	RTW	Silver		5.00	0	Partly Cloudy	Small Waves	SW	Above Normal	6
26-Jul-17	RDR	Spring	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SE	Below Normal	3
26-Jul-17	RDR	Spring	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SE	Below Normal	3
26-Jul-17	RDR	Spring	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SE	Below Normal	3
21-Jun-17	RGZA	Crooked	No Selection	0.75	0	Hazy	Calm/Ripple	NONE	No Selection	0
21-Jun-17	RGZA	Crooked	No Selection	0.75	0	Hazy	Calm/Ripple	NONE	No Selection	0
27-Jul-17	RGZC	Fourth	51% To 70%	3.00	0	Partly Cloudy	Moderate Waves	NE	Above Normal	0
27-Jul-17	RGZC	Fourth	51% To 70%	3.00	0	Partly Cloudy	Moderate Waves	NE	Above Normal	0
26-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	RDO	Bloomington	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
26-Jul-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SE	Below Normal	0
14-Jul-17	RGW	Third	No Selection	2.00	7	Overcast	Small Waves	NW	No Selection	14
14-Jul-17	RGW	Third	No Selection	2.00	7	Overcast	Small Waves	NW	No Selection	14

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Jul-17	RGZB	Hastings	Over 5" of rain the past 2 weeks. Flooding in Lake County	Monitoring started before protocol time of 10am to avoid strong winds and waves. Vegetation is primarily along the shore in shallower water. Water color was a dark # 13.
26-Jul-17	RTW	Silver	Temperatures warm to hot, with passing thunder storms and heavy rain	Boating, fishing, ducks, geese. In southwest bay there is patches of heavy weeds and algae.
26-Jul-17	RTW	Silver	Temperatures warm to hot, with passing thunder storms and heavy rain	Boating, fishing, ducks, geese. In southwest bay there is patches of heavy weeds and algae.
26-Jul-17	RTW	Silver	Temperatures warm to hot, with passing thunder storms and heavy rain	Boating, fishing, ducks, geese. In southwest bay there is patches of heavy weeds and algae.
26-Jul-17	RDR	Spring		
26-Jul-17	RDR	Spring		
26-Jul-17	RDR	Spring		
21-Jun-17	RGZA	Crooked	Lake has dropped considerably even with rain or regular basis 2'9" on June 7, 2017 and now 3'7".	extremely bright with fog over the water. no breeze
21-Jun-17	RGZA	Crooked	Lake has dropped considerably even with rain or regular basis 2'9" on June 7, 2017 and now 3'7".	extremely bright with fog over the water. no breeze
27-Jul-17	RGZC	Fourth	More than 5 " of rain over the past 2 weeks. Water was reported to be 3 ' deep on road dividing 4th Lake from Lake Miltmore.	Lake levels too high to estimate the number of plants at each site. Site 2 was not monitored due to increasing wind and waves.
27-Jul-17	RGZC	Fourth	More than 5 " of rain over the past 2 weeks. Water was reported to be 3 ' deep on road dividing 4th Lake from Lake Miltmore.	Lake levels too high to estimate the number of plants at each site. Site 2 was not monitored due to increasing wind and waves.
26-Jul-17	RDO	Bloomington		
26-Jul-17	RDO	Bloomington		
26-Jul-17	RDO	Bloomington		
26-Jul-17	RDO	Bloomington		
26-Jul-17	SDA	Evergreen		
26-Jul-17	SDA	Evergreen		
26-Jul-17	SDA	Evergreen		
26-Jul-17	SDA	Evergreen		
14-Jul-17	RGW	Third	Historic rainfall in last 48 hours	
14-Jul-17	RGW	Third	Historic rainfall in last 48 hours	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Jul-17	RGZB	Hastings		07:45	RGZB-3	48	FALSE	FALSE	0	13	15
26-Jul-17	RTW	Silver	400 feet of aeration. BP= 738. Surface temp = 77.7 F, D.O.= 8.8. Bottom temp = 79.3 F, D.O. = 7.0	09:12	RTW-1	132	FALSE	FALSE	0	12	16.5
26-Jul-17	RTW	Silver	400 feet of aeration. BP= 738. Surface temp = 77.7 F, D.O.= 8.8. Bottom temp = 79.3 F, D.O. = 7.0	09:34	RTW-2	114	TRUE	FALSE	1	12	9.5
26-Jul-17	RTW	Silver	400 feet of aeration. BP= 738. Surface temp = 77.7 F, D.O.= 8.8. Bottom temp = 79.3 F, D.O. = 7.0	09:47	RTW-3	48	FALSE	TRUE	3	12	5.5
26-Jul-17	RDR	Spring		10:05	RDR-1	20	FALSE	FALSE	0	13	22
26-Jul-17	RDR	Spring		09:05	RDR-2	11	FALSE	FALSE	0	12	7
26-Jul-17	RDR	Spring		08:45	RDR-3	8	FALSE	FALSE	0	12	2
21-Jun-17	RGZA	Crooked		06:23	RGZA-1	32	FALSE	FALSE	0	12	3.5
21-Jun-17	RGZA	Crooked		06:44	RGZA-2	27	FALSE	FALSE	0	17	3.5
27-Jul-17	RGZC	Fourth		12:15	RGZC-1	36	FALSE	FALSE	0	13	5
27-Jul-17	RGZC	Fourth		12:25	RGZC-3	48	FALSE	FALSE	1	13	5
26-Jul-17	RDO	Bloomington		10:45	RDO-1	22	FALSE	FALSE	0	9	30
26-Jul-17	RDO	Bloomington		10:55	RDO-2	24	FALSE	FALSE	0	9	24
26-Jul-17	RDO	Bloomington		11:02	RDO-3	14	FALSE	FALSE	0	6	12
26-Jul-17	RDO	Bloomington		11:35	RDO-4	16	FALSE	FALSE	0	8	13
26-Jul-17	SDA	Evergreen		09:25	SDA-1	30	FALSE	FALSE	0	9	44
26-Jul-17	SDA	Evergreen		10:00	SDA-2	16	FALSE	FALSE	0	7	10
26-Jul-17	SDA	Evergreen		10:10	SDA-3	16	FALSE	FALSE	0	8	10
26-Jul-17	SDA	Evergreen		09:45	SDA-4	26	FALSE	FALSE	0	6	35
14-Jul-17	RGW	Third		11:18	RGW-1	25	FALSE	FALSE	-1	14	65
14-Jul-17	RGW	Third		11:27	RGW-2	22	FALSE	FALSE	-1	14	24.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Jul-17	RGW	Third	No Selection	2.00	7	Overcast	Small Waves	NW	No Selection	14
31-Jul-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	SW	Normal or Full	0
31-Jul-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	SW	Normal or Full	0
31-Jul-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	SW	Normal or Full	0
13-Jun-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
13-Jun-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
13-Jun-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
03-Jul-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
03-Jul-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
03-Jul-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
31-Jul-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Above Normal	8
31-Jul-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Above Normal	8
31-Jul-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Above Normal	8
31-Jul-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
31-Jul-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
31-Jul-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
31-Jul-17	RCE	Sara	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	N	Below Normal	7
31-Jul-17	RCE	Sara	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	N	Below Normal	7
31-Jul-17	RCE	Sara	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	N	Below Normal	7
09-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	No Selection	0
09-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	No Selection	0
09-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	No Selection	0
09-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	No Selection	0
30-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	No Selection	0
30-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	No Selection	0
30-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	No Selection	0
30-Jul-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	No Selection	0
11-Jul-17	UGV	Spring Ledge		0.50	2	Sunny	Calm/Ripple	NONE	Normal or Full	0
11-Jul-17	UGV	Spring Ledge		0.50	2	Sunny	Calm/Ripple	NONE	Normal or Full	0
26-Jul-17	UGV	Spring Ledge	51% To 70%	0.50	0	Hazy	Calm/Ripple	S	Normal or Full	0
26-Jul-17	UGV	Spring Ledge	51% To 70%	0.50	0	Hazy	Calm/Ripple	S	Normal or Full	0
27-Jul-17	WGZU	Big Bear		1.00	0	Partly Cloudy	Moderate Waves	NW	Normal or Full	0
27-Jul-17	WGZU	Big Bear		1.00	0	Partly Cloudy	Moderate Waves	NW	Normal or Full	0
27-Jul-17	WGZU	Big Bear		1.00	0	Partly Cloudy	Moderate Waves	NW	Normal or Full	0
14-Jul-17	RTZT	Barrington	No Selection	3.00	4	Overcast	Moderate Waves	NW	Above Normal	7

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Jul-17	RGW	Third	Historic rainfall in last 48 hours	
31-Jul-17	RGW	Third		
31-Jul-17	RGW	Third		
31-Jul-17	RGW	Third		
13-Jun-17	RTZS	Goose		
13-Jun-17	RTZS	Goose		
13-Jun-17	RTZS	Goose		
03-Jul-17	RTZS	Goose		
03-Jul-17	RTZS	Goose		
03-Jul-17	RTZS	Goose		
31-Jul-17	RTZS	Goose	Heavy rains and Local flooding	
31-Jul-17	RTZS	Goose	Heavy rains and Local flooding	
31-Jul-17	RTZS	Goose	Heavy rains and Local flooding	
31-Jul-17	RGZD	Miltmore	Significant storms with record rainfall the week of 7/12	
31-Jul-17	RGZD	Miltmore	Significant storms with record rainfall the week of 7/12	
31-Jul-17	RGZD	Miltmore	Significant storms with record rainfall the week of 7/12	
31-Jul-17	RCE	Sara		
31-Jul-17	RCE	Sara		
31-Jul-17	RCE	Sara		
09-Jul-17	RGZG	Forest		
09-Jul-17	RGZG	Forest		
09-Jul-17	RGZG	Forest		
09-Jul-17	RGZG	Forest		
30-Jul-17	RGZG	Forest		
30-Jul-17	RGZG	Forest		
30-Jul-17	RGZG	Forest		
30-Jul-17	RGZG	Forest		
11-Jul-17	UGV	Spring Ledge		
11-Jul-17	UGV	Spring Ledge		
26-Jul-17	UGV	Spring Ledge		More Sago than ever observed
26-Jul-17	UGV	Spring Ledge		More Sago than ever observed
27-Jul-17	WGZU	Big Bear	Windy	Lots of aquatic weeds top water moss yellowish color
27-Jul-17	WGZU	Big Bear	Windy	Lots of aquatic weeds top water moss yellowish color
27-Jul-17	WGZU	Big Bear	Windy	Lots of aquatic weeds top water moss yellowish color
14-Jul-17	RTZT	Barrington	Lake Clear for this time of year	Lake clear

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Jul-17	RGW	Third		11:39	RGW-3	20	FALSE	FALSE	-1	14	7.5
31-Jul-17	RGW	Third		09:50	RGW-1	63	FALSE	FALSE	-1	12	65
31-Jul-17	RGW	Third		10:02	RGW-2	60	FALSE	FALSE	-1	12	25
31-Jul-17	RGW	Third		10:12	RGW-3	64	FALSE	FALSE	-1	12	16.5
13-Jun-17	RTZS	Goose		09:30	RTZS-1	40	FALSE	FALSE	0	12	11
13-Jun-17	RTZS	Goose		09:45	RTZS-2	42	FALSE	FALSE	0	12	6.5
13-Jun-17	RTZS	Goose		09:50	RTZS-3	24	TRUE	FALSE	0	12	2
03-Jul-17	RTZS	Goose		10:10	RTZS-1	46	FALSE	FALSE	0	3	12
03-Jul-17	RTZS	Goose		10:25	RTZS-2	48	FALSE	FALSE	0	12	6.5
03-Jul-17	RTZS	Goose		10:50	RTZS-3	30	TRUE	FALSE	0	12	2.5
31-Jul-17	RTZS	Goose		10:05	RTZS-1	42	FALSE	FALSE	0	12	13
31-Jul-17	RTZS	Goose		10:25	RTZS-2	38	FALSE	FALSE	0	12	6.5
31-Jul-17	RTZS	Goose		10:35	RTZS-3	32	TRUE	FALSE	0	12	2.5
31-Jul-17	RGZD	Miltmore		12:45	RGZD-1	84	FALSE	FALSE	1	11	16
31-Jul-17	RGZD	Miltmore		13:10	RGZD-2	89	FALSE	FALSE	1	8	14
31-Jul-17	RGZD	Miltmore		13:45	RGZD-3	79	FALSE	FALSE	1	8	9.5
31-Jul-17	RCE	Sara		11:29	RCE-1	33	FALSE	FALSE	0	0	45
31-Jul-17	RCE	Sara		11:38	RCE-2	32	FALSE	FALSE	0	0	36
31-Jul-17	RCE	Sara		11:44	RCE-3	28	FALSE	FALSE	0	0	19
09-Jul-17	RGZG	Forest		10:07	RGZG-1	39	FALSE	FALSE	0	12	7.5
09-Jul-17	RGZG	Forest		10:19	RGZG-2	38	FALSE	FALSE	0	12	6.5
09-Jul-17	RGZG	Forest		10:28	RGZG-3	18	FALSE	FALSE	0	12	4.5
09-Jul-17	RGZG	Forest		10:45	RGZG-4	22	FALSE	FALSE	0	13	7.5
30-Jul-17	RGZG	Forest		16:59	RGZG-1	26	FALSE	FALSE	0	13	7.5
30-Jul-17	RGZG	Forest		17:07	RGZG-2	27	FALSE	FALSE	0	12	6.5
30-Jul-17	RGZG	Forest		17:15	RGZG-3	28	FALSE	FALSE	0	12	5
30-Jul-17	RGZG	Forest		17:25	RGZG-4	26	FALSE	FALSE	0	13	8.5
11-Jul-17	UGV	Spring Ledge		11:25	UGV-1	46	FALSE	FALSE	0	12	9.5
11-Jul-17	UGV	Spring Ledge		11:35	UGV-2	57	FALSE	FALSE	1	2	6
26-Jul-17	UGV	Spring Ledge		12:10	UGV-1	53	FALSE	FALSE	0	3	9.5
26-Jul-17	UGV	Spring Ledge		12:15	UGV-2	55	FALSE	FALSE	1	12	6
27-Jul-17	WGZU	Big Bear		13:00	WGZU-1	124	FALSE	FALSE	1	8	10
27-Jul-17	WGZU	Big Bear		13:15	WGZU-2	96	FALSE	FALSE	1	8	8
27-Jul-17	WGZU	Big Bear		13:30	WGZU-3	94	FALSE	FALSE	1	8	8
14-Jul-17	RTZT	Barrington		09:39	RTZT-1	60	FALSE	FALSE	0	2	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Jul-17	RTZT	Barrington	No Selection	3.00	4	Overcast	Moderate Waves	NW	Above Normal	7
14-Jul-17	RTZT	Barrington	No Selection	3.00	4	Overcast	Moderate Waves	NW	Above Normal	7
14-Jul-17	RTZT	Barrington	No Selection	3.00	4	Overcast	Moderate Waves	NW	Above Normal	7
26-Jul-17	RTZT	Barrington		5.00	0	Overcast	Calm/Ripple	S	Above Normal	6
26-Jul-17	RTZT	Barrington		5.00	0	Overcast	Calm/Ripple	S	Above Normal	6
26-Jul-17	RTZT	Barrington		5.00	0	Overcast	Calm/Ripple	S	Above Normal	6
26-Jul-17	RTZT	Barrington		5.00	0	Overcast	Calm/Ripple	S	Above Normal	6
02-Aug-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
02-Aug-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
02-Aug-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
31-Jul-17	VGZF	Deboer Woods		4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
31-Jul-17	VGZF	Deboer Woods		4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
31-Jul-17	VGZF	Deboer Woods		4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
14-Jul-17	WGZY	Swan	Less Than 5%	6.00	0.73	Overcast	Calm/Ripple	NW	Above Normal	5.3
14-Jul-17	WGZY	Swan	Less Than 5%	6.00	0.73	Overcast	Calm/Ripple	NW	Above Normal	5.3
24-Jul-17	WGZY	Swan	Less Than 5%	2.00	0.51	Partly Cloudy	Calm/Ripple	NE	Above Normal	6
24-Jul-17	WGZY	Swan	Less Than 5%	2.00	0.51	Partly Cloudy	Calm/Ripple	NE	Above Normal	6
01-Aug-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
01-Aug-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Calm/Ripple	SW	Below Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Jul-17	RTZT	Barrington	Lake Clear for this time of year	Lake clear
14-Jul-17	RTZT	Barrington	Lake Clear for this time of year	Lake clear
14-Jul-17	RTZT	Barrington	Lake Clear for this time of year	Lake clear
26-Jul-17	RTZT	Barrington		
26-Jul-17	RTZT	Barrington		
26-Jul-17	RTZT	Barrington		
26-Jul-17	RTZT	Barrington		
02-Aug-17	RBD	Vermilion	No rain for a few days.	
02-Aug-17	RBD	Vermilion	No rain for a few days.	
02-Aug-17	RBD	Vermilion	No rain for a few days.	
31-Jul-17	VGZF	Deboer Woods	Continued heat and very little rain during the last week.	Increased blue-green algae bloom and increased algae film like paint throughout the lake on surface.
31-Jul-17	VGZF	Deboer Woods	Continued heat and very little rain during the last week.	Increased blue-green algae bloom and increased algae film like paint throughout the lake on surface.
31-Jul-17	VGZF	Deboer Woods	Continued heat and very little rain during the last week.	Increased blue-green algae bloom and increased algae film like paint throughout the lake on surface.
14-Jul-17	WGZY	Swan		Some suspended algae present. No Spatterdock present; it usually comes up in May.
14-Jul-17	WGZY	Swan		Some suspended algae present. No Spatterdock present; it usually comes up in May.
24-Jul-17	WGZY	Swan	Combined three inches of rain the week prior to sampling.	Microcystis and Anabaena (Dolichospermum) observed microscopically. No Spatterdock see around SE island. HAB form submitted on 7/25/2017. Holly Hudson on-site on 7/27/2017 to collect samples.
24-Jul-17	WGZY	Swan	Combined three inches of rain the week prior to sampling.	Microcystis and Anabaena (Dolichospermum) observed microscopically. No Spatterdock see around SE island. HAB form submitted on 7/25/2017. Holly Hudson on-site on 7/27/2017 to collect samples.
01-Aug-17	REB	Sangchris	REB-1 and REB-2 had a strange haze/fog flowing through the water, which created a glow on the white parts of the secchi disk. Most noticeable at REB-2.	American Pondweed, Sago Pondweed, Broadleaf Arrowhead, Small Pondweed
01-Aug-17	REB	Sangchris	REB-1 and REB-2 had a strange haze/fog flowing through the water, which created a glow on the white parts of the secchi disk. Most noticeable at REB-2.	American Pondweed, Sago Pondweed, Broadleaf Arrowhead, Small Pondweed

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Jul-17	RTZT	Barrington		09:45	RTZT-2	60	FALSE	FALSE	0	2	12.5
14-Jul-17	RTZT	Barrington		09:55	RTZT-3	54	FALSE	FALSE	0	2	12
14-Jul-17	RTZT	Barrington		09:25	RTZT-4	66	FALSE	FALSE	0	2	8
26-Jul-17	RTZT	Barrington		09:40	RTZT-1	48	FALSE	FALSE	0	1	11
26-Jul-17	RTZT	Barrington		09:50	RTZT-2	54	FALSE	FALSE	0	1	13.5
26-Jul-17	RTZT	Barrington		09:20	RTZT-3	48	FALSE	FALSE	0	1	12
26-Jul-17	RTZT	Barrington		09:30	RTZT-4	60	FALSE	FALSE	0	1	8.5
02-Aug-17	RBD	Vermilion		11:33	RBD-1	34	FALSE	FALSE	0	0	17
02-Aug-17	RBD	Vermilion		11:21	RBD-2	24	FALSE	FALSE	0	0	11
02-Aug-17	RBD	Vermilion		11:13	RBD-3	20	FALSE	FALSE	0	0	5.5
31-Jul-17	VGZF	Deboer Woods	No change	10:37	VGZF-1	21	FALSE	FALSE	0	12	18
31-Jul-17	VGZF	Deboer Woods	No change	11:00	VGZF-2	17	FALSE	FALSE	0	12	12
31-Jul-17	VGZF	Deboer Woods	No change	11:20	VGZF-3	20	FALSE	FALSE	1	12	6.5
14-Jul-17	WGZY	Swan	Summer aeration system running. Oxygen concentrator added to one of the lake's air compressors due to low dissolved oxygen levels.	10:46	WGZY-1	53	FALSE	FALSE	0	12	12
14-Jul-17	WGZY	Swan	Summer aeration system running. Oxygen concentrator added to one of the lake's air compressors due to low dissolved oxygen levels.	10:33	WGZY-2	48	FALSE	FALSE	0	12	11.5
24-Jul-17	WGZY	Swan	Summer aeration system running with oxygen concentrator. Added 16 gallons of Bio Lake Clear liquid bacteria and 25 pounds of Young Enterprises digester microbes.	10:40	WGZY-1	34	FALSE	FALSE	0	12	12
24-Jul-17	WGZY	Swan	Summer aeration system running with oxygen concentrator. Added 16 gallons of Bio Lake Clear liquid bacteria and 25 pounds of Young Enterprises digester microbes.	10:20	WGZY-2	36	FALSE	FALSE	0	12	11.5
01-Aug-17	REB	Sangchris		11:34	REB-1	18	FALSE	FALSE	0	9	32
01-Aug-17	REB	Sangchris		10:29	REB-2	18	FALSE	FALSE	0	8	25

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
01-Aug-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
01-Aug-17	REB	Sangchris	Less Than 5%	12.00	0	Overcast	Calm/Ripple	SW	Below Normal	1
02-Aug-17	RJD	Dunlap	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
02-Aug-17	RJD	Dunlap	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
02-Aug-17	RJD	Dunlap	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
03-Aug-17	SGB	Virginia	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	2
03-Aug-17	SGB	Virginia	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	2
03-Aug-17	SGB	Virginia	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	2
05-Jul-17	RTJ	Long		4.50	0	Sunny	Calm/Ripple	SE	Above Normal	5
05-Jul-17	RTJ	Long		4.50	0	Sunny	Calm/Ripple	SE	Above Normal	5
05-Jul-17	RTJ	Long		4.50	0	Sunny	Calm/Ripple	SE	Above Normal	5
28-Jul-17	RTJ	Long		4.50	0	Sunny	Moderate Waves	NE	Above Normal	9
28-Jul-17	RTJ	Long		4.50	0	Sunny	Moderate Waves	NE	Above Normal	9
28-Jul-17	RTJ	Long		4.50	0	Sunny	Moderate Waves	NE	Above Normal	9
30-Jul-17	STO	Napa Suwe	Greater than 70%	3.00	0	Partly Cloudy	Small Waves	W	Above Normal	5
30-Jul-17	STO	Napa Suwe	Greater than 70%	3.00	0	Partly Cloudy	Small Waves	W	Above Normal	5
30-Jul-17	STO	Napa Suwe	Greater than 70%	3.00	0	Partly Cloudy	Small Waves	W	Above Normal	5
31-Jul-17	VDE	Catatoga	Less Than 5%	1.20	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	4

Sample Date	Lake Code	Waterbody	Observations	Other Information
01-Aug-17	REB	Sangchris	REB-1 and REB-2 had a strange haze/fog flowing through the water, which created a glow on the white parts of the secchi disk. Most noticeable at REB-2.	American Pondweed, Sago Pondweed, Broadleaf Arrowhead, Small Pondweed
01-Aug-17	REB	Sangchris	REB-1 and REB-2 had a strange haze/fog flowing through the water, which created a glow on the white parts of the secchi disk. Most noticeable at REB-2.	American Pondweed, Sago Pondweed, Broadleaf Arrowhead, Small Pondweed
02-Aug-17	RJD	Dunlap	Severe thunderstorms and rain 5 days prior. Wind damage to many local trees.	
02-Aug-17	RJD	Dunlap	Severe thunderstorms and rain 5 days prior. Wind damage to many local trees.	
02-Aug-17	RJD	Dunlap	Severe thunderstorms and rain 5 days prior. Wind damage to many local trees.	
03-Aug-17	SGB	Virginia		
03-Aug-17	SGB	Virginia		
03-Aug-17	SGB	Virginia		
05-Jul-17	RTJ	Long		
05-Jul-17	RTJ	Long		
05-Jul-17	RTJ	Long		
28-Jul-17	RTJ	Long	Historic flooding July 12 - July 27. Water over 3 feet above normal levels.	
28-Jul-17	RTJ	Long	Historic flooding July 12 - July 27. Water over 3 feet above normal levels.	
28-Jul-17	RTJ	Long	Historic flooding July 12 - July 27. Water over 3 feet above normal levels.	
30-Jul-17	STO	Napa Suwe	Rain continues with 13 " in the gauge for July. The Lake level peaked @ 15" above normal on July 13th. Had to use the canoe because of Lake plants.	Significant amounts of filamentous algae on top of the watermilfoil plants.
30-Jul-17	STO	Napa Suwe	Rain continues with 13 " in the gauge for July. The Lake level peaked @ 15" above normal on July 13th. Had to use the canoe because of Lake plants.	Significant amounts of filamentous algae on top of the watermilfoil plants.
30-Jul-17	STO	Napa Suwe	Rain continues with 13 " in the gauge for July. The Lake level peaked @ 15" above normal on July 13th. Had to use the canoe because of Lake plants.	Significant amounts of filamentous algae on top of the watermilfoil plants.
31-Jul-17	VDE	Catatoga	visible particles (plant?) suspended in upper water column	Site 2: few scattered duckweed. overall lake plant observations by lake biologist in June were filamentous algae, pondweed, southern naiad, duckweed, and coontail.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
01-Aug-17	REB	Sangchris		12:24	REB-3	18	FALSE	FALSE	0	8	9
01-Aug-17	REB	Sangchris		12:44	REB-4	16	FALSE	FALSE	0	8	5
02-Aug-17	RJD	Dunlap	None that i am aware of	12:09	RJD-1	29	FALSE	FALSE	0	0	24
02-Aug-17	RJD	Dunlap	None that i am aware of	12:24	RJD-2	26	FALSE	FALSE	0	0	18
02-Aug-17	RJD	Dunlap	None that i am aware of	12:35	RJD-3	25	FALSE	FALSE	0	0	8
03-Aug-17	SGB	Virginia		10:35	SGB-1	262	FALSE	FALSE	0	3	62
03-Aug-17	SGB	Virginia		10:20	SGB-2	256	FALSE	FALSE	0	3	43
03-Aug-17	SGB	Virginia		10:00	SGB-3	242	FALSE	FALSE	0	2	44.5
05-Jul-17	RTJ	Long		11:25	RTJ-1	22	FALSE	FALSE	0	12	25.5
05-Jul-17	RTJ	Long		11:45	RTJ-2	23	FALSE	FALSE	0	12	26
05-Jul-17	RTJ	Long		12:20	RTJ-3	23	FALSE	FALSE	0	12	18
28-Jul-17	RTJ	Long	Sluice gate at dam open July 12 - July 28	11:05	RTJ-1	34	FALSE	FALSE	0	13	26
28-Jul-17	RTJ	Long	Sluice gate at dam open July 12 - July 28	11:20	RTJ-2	34	FALSE	FALSE	0	13	27
28-Jul-17	RTJ	Long	Sluice gate at dam open July 12 - July 28	11:35	RTJ-3	43	FALSE	FALSE	0	13	17
30-Jul-17	STO	Napa Suwe	No activity	15:20	STO-1	42	FALSE	FALSE	3	12	4
30-Jul-17	STO	Napa Suwe	No activity	15:40	STO-2	42	TRUE	FALSE	4	12	3.5
30-Jul-17	STO	Napa Suwe	No activity	15:55	STO-3	48	FALSE	FALSE	2	12	4.5
31-Jul-17	VDE	Catatoga	Blue green algae surface areas thought to be cyanobacter by state fishery biologist from pictures sent to him were treated by lake committee with 125 lbs. of coper sulfat in July prior to this sampling.	13:37	VDE-1	71	FALSE	FALSE	0	8	48.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
31-Jul-17	VDE	Catatoga	Less Than 5%	1.20	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	4
05-Aug-17	RNJ	Devils Kitchen		4.00	0	Overcast	Calm/Ripple	S	Below Normal	2
05-Aug-17	RNJ	Devils Kitchen		4.00	0	Overcast	Calm/Ripple	S	Below Normal	2
05-Aug-17	RNJ	Devils Kitchen		4.00	0	Overcast	Calm/Ripple	S	Below Normal	2
31-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	7
31-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	7
31-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	7
31-Jul-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	7
15-Jul-17	STC	Little Silver		1.00	7	Partly Cloudy	Small Waves	NW	Above Normal	12
15-Jul-17	STC	Little Silver		1.00	7	Partly Cloudy	Small Waves	NW	Above Normal	12
15-Jul-17	STC	Little Silver		1.00	7	Partly Cloudy	Small Waves	NW	Above Normal	12
30-Jul-17	STC	Little Silver		1.00	0	No Selection	No Selection	NONE	Normal or Full	0
30-Jul-17	STC	Little Silver		1.00	0	No Selection	No Selection	NONE	Normal or Full	0
30-Jul-17	STC	Little Silver		1.00	0	No Selection	No Selection	NONE	Normal or Full	0
30-Jun-17	RTZT	Barrington	No Selection	3.00	3.5	Overcast	Calm/Ripple	S	Above Normal	8.4
30-Jun-17	RTZT	Barrington	No Selection	3.00	3.5	Overcast	Calm/Ripple	S	Above Normal	8.4
30-Jun-17	RTZT	Barrington	No Selection	3.00	3.5	Overcast	Calm/Ripple	S	Above Normal	8.4
30-Jun-17	RTZT	Barrington	No Selection	3.00	3.5	Overcast	Calm/Ripple	S	Above Normal	8.4
18-Jul-17	UTV	Cross		1.00	0.5	Partly Cloudy	Small Waves	E	Above Normal	4.8
18-Jul-17	UTV	Cross		1.00	0.5	Partly Cloudy	Small Waves	E	Above Normal	4.8
18-Jul-17	UTV	Cross		1.00	0.5	Partly Cloudy	Small Waves	E	Above Normal	4.8
18-Jul-17	UTV	Cross		1.00	0.5	Partly Cloudy	Small Waves	E	Above Normal	4.8
30-Jul-17	RGZA	Crooked	No Selection	0.50	0	Sunny	Calm/Ripple	NONE	No Selection	0
30-Jul-17	RGZA	Crooked	No Selection	0.50	0	Sunny	Calm/Ripple	NONE	No Selection	0
30-Jul-17	RGZA	Crooked	No Selection	0.50	0	Sunny	Calm/Ripple	NONE	No Selection	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
31-Jul-17	VDE	Catatoga	visible particles (plant?) suspended in upper water column	Site 2: few scattered duckweed. overall lake plant observations by lake biologist in June were filamentous algae, pondweed, southern naiad, duckweed, and coontail.
05-Aug-17	RNJ	Devils Kitchen		
05-Aug-17	RNJ	Devils Kitchen		
05-Aug-17	RNJ	Devils Kitchen		
31-Jul-17	REZL	Twin Oaks		Water meal, Southern nyaid, and some green filaments. added 7/9/17 observations in the Secchi Dip-In
31-Jul-17	REZL	Twin Oaks		Water meal, Southern nyaid, and some green filaments. added 7/9/17 observations in the Secchi Dip-In
31-Jul-17	REZL	Twin Oaks		Water meal, Southern nyaid, and some green filaments. added 7/9/17 observations in the Secchi Dip-In
31-Jul-17	REZL	Twin Oaks		Water meal, Southern nyaid, and some green filaments. added 7/9/17 observations in the Secchi Dip-In
15-Jul-17	STC	Little Silver	Major rain event on 7/12. approx 7in, Rain	Lake level rose to over 17in. above normal. sequiot creek flooded its banks
15-Jul-17	STC	Little Silver	Major rain event on 7/12. approx 7in, Rain	Lake level rose to over 17in. above normal. sequiot creek flooded its banks
15-Jul-17	STC	Little Silver	Major rain event on 7/12. approx 7in, Rain	Lake level rose to over 17in. above normal. sequiot creek flooded its banks
30-Jul-17	STC	Little Silver	Major Rain conditions over last two weeks	Lake level back to normal after major rain events
30-Jul-17	STC	Little Silver	Major Rain conditions over last two weeks	Lake level back to normal after major rain events
30-Jul-17	STC	Little Silver	Major Rain conditions over last two weeks	Lake level back to normal after major rain events
30-Jun-17	RTZT	Barrington	Above normal rain the last year	
30-Jun-17	RTZT	Barrington	Above normal rain the last year	
30-Jun-17	RTZT	Barrington	Above normal rain the last year	
30-Jun-17	RTZT	Barrington	Above normal rain the last year	
18-Jul-17	UTV	Cross		
18-Jul-17	UTV	Cross		
18-Jul-17	UTV	Cross		
18-Jul-17	UTV	Cross		
30-Jul-17	RGZA	Crooked		Emerald Shores association has 20-30 feet of aquatic plants/ cat tails that are dead.
30-Jul-17	RGZA	Crooked		Emerald Shores association has 20-30 feet of aquatic plants/ cat tails that are dead.
30-Jul-17	RGZA	Crooked		Emerald Shores association has 20-30 feet of aquatic plants/ cat tails that are dead.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
31-Jul-17	VDE	Catatoga	Blue green algae surface areas thought to be cyanobacter by state fishery biologist from pictures sent to him were treated by lake committee with 125 lbs. of coper sulfate in July prior to this sampling.	13:56	VDE-2	64	FALSE	FALSE	0	8	32
05-Aug-17	RNJ	Devils Kitchen		14:37	RNJ-1	72	FALSE	FALSE	3	12	36
05-Aug-17	RNJ	Devils Kitchen		15:23	RNJ-2	72	FALSE	FALSE	3	12	25
05-Aug-17	RNJ	Devils Kitchen		16:05	RNJ-3	72	FALSE	FALSE	3	12	23
31-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; and Aquashade applied 6/11/17	15:40	REZL-1	19	FALSE	FALSE	0	0	4
31-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; and Aquashade applied 6/11/17	15:15	REZL-2	19	FALSE	FALSE	0	0	3.5
31-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; and Aquashade applied 6/11/17	14:50	REZL-3	21	FALSE	FALSE	0	0	3.5
31-Jul-17	REZL	Twin Oaks	aerators on; groundwater pump on; and Aquashade applied 6/11/17	14:35	REZL-4	21	FALSE	FALSE	0	0	5
15-Jul-17	STC	Little Silver		12:45	STC-1	78	FALSE	FALSE	0	13	19.5
15-Jul-17	STC	Little Silver		13:00	STC-2	72	FALSE	FALSE	0	13	18
15-Jul-17	STC	Little Silver		13:15	STC-3	48	FALSE	TRUE	2	13	6
30-Jul-17	STC	Little Silver		11:00	STC-1	84	FALSE	FALSE	0	13	19
30-Jul-17	STC	Little Silver		11:15	STC-2	78	FALSE	FALSE	0	13	18
30-Jul-17	STC	Little Silver		11:20	STC-3	60	FALSE	TRUE	2	13	5.5
30-Jun-17	RTZT	Barrington		10:00	RTZT-1	108	FALSE	FALSE	2	0	11
30-Jun-17	RTZT	Barrington		09:45	RTZT-2	108	FALSE	FALSE	2	0	12
30-Jun-17	RTZT	Barrington		09:30	RTZT-3	108	FALSE	FALSE	1	0	11
30-Jun-17	RTZT	Barrington		09:20	RTZT-4	96	FALSE	FALSE	3	0	9.5
18-Jul-17	UTV	Cross	weed treatment- last week of june	16:38	UTV-1	79	FALSE	FALSE	0	3	35.5
18-Jul-17	UTV	Cross	weed treatment- last week of june	16:49	UTV-2	72	FALSE	FALSE	1	12	9
18-Jul-17	UTV	Cross	weed treatment- last week of june	17:00	UTV-3	78	FALSE	FALSE	1	8	19
18-Jul-17	UTV	Cross	weed treatment- last week of june	17:07	UTV-4	72	FALSE	FALSE	0	8	23.5
30-Jul-17	RGZA	Crooked		08:00	RGZA-1	28	FALSE	FALSE	-1	12	3
30-Jul-17	RGZA	Crooked		8:15	RGZA-2	24	FALSE	FALSE		12	
30-Jul-17	RGZA	Crooked		8:30	RGZA-3	24	FALSE	FALSE		12	

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
07-Aug-17	RGZB	Hastings		2.50	0.04	Partly Cloudy	Calm/Ripple	N	Above Normal	0
07-Aug-17	RGZB	Hastings		2.50	0.04	Partly Cloudy	Calm/Ripple	N	Above Normal	0
07-Aug-17	RGZC	Fourth		2.50	0.04	Partly Cloudy	Small Waves	NE	Above Normal	0
07-Aug-17	RGZC	Fourth		2.50	0.04	Partly Cloudy	Small Waves	NE	Above Normal	0
07-Aug-17	RGZC	Fourth		2.50	0.04	Partly Cloudy	Small Waves	NE	Above Normal	0
07-Aug-17	VDE	Catatoga	Less Than 5%	2.00	0.1	Overcast	Calm/Ripple	SE	Below Normal	5
07-Aug-17	VDE	Catatoga	Less Than 5%	2.00	0.1	Overcast	Calm/Ripple	SE	Below Normal	5
08-Aug-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
08-Aug-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
08-Aug-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
07-Aug-17	STM	La Fox Pond	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
07-Aug-17	RGZB	Hastings		
07-Aug-17	RGZB	Hastings		
07-Aug-17	RGZC	Fourth	Lake levels receding since last visit. Beavers have blocked both ends of the culvert that runs between Lake Miltmore and 4th Lake. Very little flow between the lakes.	Lily pads are very thick at launch site making launching a challenge.
07-Aug-17	RGZC	Fourth	Lake levels receding since last visit. Beavers have blocked both ends of the culvert that runs between Lake Miltmore and 4th Lake. Very little flow between the lakes.	Lily pads are very thick at launch site making launching a challenge.
07-Aug-17	RGZC	Fourth	Lake levels receding since last visit. Beavers have blocked both ends of the culvert that runs between Lake Miltmore and 4th Lake. Very little flow between the lakes.	Lily pads are very thick at launch site making launching a challenge.
07-Aug-17	VDE	Catatoga	Water cleaner than last time	Algae, Pindweed, Southern Naid, Duckweed, Coontail
07-Aug-17	VDE	Catatoga	Water cleaner than last time	Algae, Pindweed, Southern Naid, Duckweed, Coontail
08-Aug-17	RPZI	Richardson Wildlife		D.O. @6" : 10.15 PPM; 126% Sat Temp @6": 73.9' F; 23.8' C Horned Pondweed, Chara is brown, Planktonic and horsehair algae
08-Aug-17	RPZI	Richardson Wildlife		D.O. @6" : 10.15 PPM; 126% Sat Temp @6": 73.9' F; 23.8' C Horned Pondweed, Chara is brown, Planktonic and horsehair algae
08-Aug-17	RPZI	Richardson Wildlife		D.O. @6" : 10.15 PPM; 126% Sat Temp @6": 73.9' F; 23.8' C Horned Pondweed, Chara is brown, Planktonic and horsehair algae
07-Aug-17	STM	La Fox Pond		-Secchi color readings greatly affected by aquashade blue dye. D.O. @ 6": 8.55 PPM; 107.3% Sat Temp @ 6" 75.4' F; 24.4' C Horned Pondweed, chara looking brown Better Bluegill spawn than other years, fry are 0.5" long now

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
07-Aug-17	RGZB	Hastings		09:20	RGZB-1	36	FALSE	FALSE	0	13	26.5
07-Aug-17	RGZB	Hastings		08:50	RGZB-3	36	FALSE	FALSE	0	13	14
07-Aug-17	RGZC	Fourth		12:23	RGZC-1	42	TRUE	FALSE	3	13	4
07-Aug-17	RGZC	Fourth		12:45	RGZC-2	36	FALSE	TRUE	3	12	4
07-Aug-17	RGZC	Fourth		11:50	RGZC-3	24	FALSE	FALSE	3	12	4.5
07-Aug-17	VDE	Catatoga		12:30	VDE-1	99	FALSE	FALSE	0	8	48
07-Aug-17	VDE	Catatoga		12:20	VDE-2	78	FALSE	FALSE	0	8	32
08-Aug-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. on 8/1/17 Pond treated with 100lb of Copper Sulfate crystals for planktonic algae control	10:41	RPZI-1	18	FALSE	FALSE	0	8	7
08-Aug-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. on 8/1/17 Pond treated with 100lb of Copper Sulfate crystals for planktonic algae control	10:52	RPZI-2	18	FALSE	FALSE	0	8	8.5
08-Aug-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. on 8/1/17 Pond treated with 100lb of Copper Sulfate crystals for planktonic algae control	10:59	RPZI-3	18	FALSE	FALSE	1	8	4.5
07-Aug-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	10:27	STM-1	51	FALSE	FALSE	0	8	9

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
07-Aug-17	STM	La Fox Pond	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
07-Aug-17	STM	La Fox Pond	Less Than 5%	3.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
31-Jul-17	REE	Dawson	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	6
31-Jul-17	REE	Dawson	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	6
31-Jul-17	REE	Dawson	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	6
13-Jun-17	RNU	Jaycee		1.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
13-Jun-17	RNU	Jaycee		1.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
13-Jun-17	RNU	Jaycee		1.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
26-Jul-17	SNA	Chautauqua	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NONE	Below Normal	18
26-Jul-17	SNA	Chautauqua	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NONE	Below Normal	18
26-Jul-17	SNA	Chautauqua	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NONE	Below Normal	18
26-Jul-17	RNZN	Herrin New	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	8
26-Jul-17	RNZN	Herrin New	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	8
26-Jul-17	RNZN	Herrin New	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	8
24-Jul-17	RNI	Carbondale	Less Than 5%	2.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	4
24-Jul-17	RNI	Carbondale	Less Than 5%	2.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	4
23-Jul-17	RNZN	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	6
23-Jul-17	RNZN	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	6
23-Jul-17	RNZN	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	6
23-Jul-17	RNZN	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Below Normal	6
01-Jul-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
01-Jul-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
01-Jul-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
18-Jul-17	RNZO	New Thompson		1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
07-Aug-17	STM	La Fox Pond		-Secchi color readings greatly affected by aquashade blue dye. D.O. @ 6": 8.55 PPM; 107.3% Sat Temp @ 6" 75.4' F; 24.4' C Horned Pondweed, chara looking brown Better Bluegill spawn than other years, fry are 0.5" long now
07-Aug-17	STM	La Fox Pond		-Secchi color readings greatly affected by aquashade blue dye. D.O. @ 6": 8.55 PPM; 107.3% Sat Temp @ 6" 75.4' F; 24.4' C Horned Pondweed, chara looking brown Better Bluegill spawn than other years, fry are 0.5" long now
31-Jul-17	REE	Dawson	Water temp 82 Wind SE@7	
31-Jul-17	REE	Dawson	Water temp 82 Wind SE@7	
31-Jul-17	REE	Dawson	Water temp 82 Wind SE@7	
13-Jun-17	RNU	Jaycee		
13-Jun-17	RNU	Jaycee		
13-Jun-17	RNU	Jaycee		
26-Jul-17	SNA	Chautauqua	No Rain	
26-Jul-17	SNA	Chautauqua	No Rain	
26-Jul-17	SNA	Chautauqua	No Rain	
26-Jul-17	RNZC	Herrin New	Hot	
26-Jul-17	RNZC	Herrin New	Hot	
26-Jul-17	RNZC	Herrin New	Hot	
24-Jul-17	RNI	Carbondale		
24-Jul-17	RNI	Carbondale		
23-Jul-17	RNZG	Spring Arbor		
23-Jul-17	RNZG	Spring Arbor		
23-Jul-17	RNZG	Spring Arbor		
23-Jul-17	RNZG	Spring Arbor		
01-Jul-17	RNZO	New Thompson		
01-Jul-17	RNZO	New Thompson		
01-Jul-17	RNZO	New Thompson		
18-Jul-17	RNZO	New Thompson		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
07-Aug-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	10:38	STM-2	51	FALSE	FALSE	1	8	6.5
07-Aug-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	10:45	STM-3	51	FALSE	FALSE	1	8	6
31-Jul-17	REE	Dawson		11:35	REE-1	28	FALSE	FALSE	0	12	24
31-Jul-17	REE	Dawson		11:26	REE-2	30	FALSE	FALSE	0	12	12.5
31-Jul-17	REE	Dawson		11:15	REE-3	24	FALSE	FALSE	0	12	6.5
13-Jun-17	RNU	Jaycee		12:32	RNU-1	62	FALSE	FALSE	1	12	20
13-Jun-17	RNU	Jaycee		12:40	RNU-2	60	FALSE	FALSE	2	12	13
13-Jun-17	RNU	Jaycee			RNU-3		FALSE	TRUE	4		6
26-Jul-17	SNA	Chautauqua		14:20	SNA-1	23	FALSE	FALSE	0	12	17
26-Jul-17	SNA	Chautauqua		14:10	SNA-2	23	FALSE	FALSE	0	12	15
26-Jul-17	SNA	Chautauqua		14:00	SNA-3	7	TRUE	FALSE	0	12	0.5
26-Jul-17	RNZN	Herrin New		9:00	RNZN-1	36	FALSE	FALSE	0	12	23
26-Jul-17	RNZN	Herrin New		8:43	RNZN-2	34	FALSE	FALSE	0	12	18
26-Jul-17	RNZN	Herrin New		8:30	RNZN-3	35	FALSE	FALSE	0	12	7
24-Jul-17	RNI	Carbondale	Site 3 too shallow	12:01	RNI-1	12	FALSE	FALSE	0	12	10.5
24-Jul-17	RNI	Carbondale	Site 3 too shallow	12:10	RNI-2	12	FALSE	FALSE	0	12	7.5
23-Jul-17	RNZG	Spring Arbor		12:25	RNZG-1	48	FALSE	FALSE	0	17	37.5
23-Jul-17	RNZG	Spring Arbor		12:15	RNZG-2	46	FALSE	FALSE	0	17	26
23-Jul-17	RNZG	Spring Arbor		12:40	RNZG-3	42	FALSE	FALSE	0	12	22.5
23-Jul-17	RNZG	Spring Arbor		12:05	RNZG-4	39	FALSE	FALSE	0	12	7
01-Jul-17	RNZO	New Thompson		12:20	RNZO-1	51	FALSE	FALSE	0	1	18
01-Jul-17	RNZO	New Thompson		12:26	RNZO-2	56	FALSE	FALSE	0	1	10
01-Jul-17	RNZO	New Thompson		12:07	RNZO-3	56	FALSE	FALSE	0	1	7
18-Jul-17	RNZO	New Thompson		13:00	RNZO-1	77	FALSE	FALSE	0	6	18

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
18-Jul-17	RNZO	New Thompson		1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
18-Jul-17	RNZO	New Thompson		1.00	1	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
10-Jul-17	RAZP	Arcadia	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Normal or Full	0
10-Jul-17	RAZP	Arcadia	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Normal or Full	0
10-Jul-17	RAZP	Arcadia	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Normal or Full	0
24-Jul-17	RAZP	Arcadia	Less Than 5%	0.50	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
24-Jul-17	RAZP	Arcadia	Less Than 5%	0.50	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
24-Jul-17	RAZP	Arcadia	Less Than 5%	0.50	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
07-Jul-17	RNU	Jaycee		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
07-Jul-17	RNU	Jaycee		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
07-Jul-17	RNU	Jaycee		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
10-Jul-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Below Normal	3
10-Jul-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Below Normal	3
10-Jul-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Below Normal	3
10-Jul-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Below Normal	3
12-Jul-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
12-Jul-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
09-Jul-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	12
09-Jul-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	12
09-Jul-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	12
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
13-Jul-17	RNE	Cedar	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
11-Jul-17	RNZI	Miller	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	4
11-Jul-17	RNZI	Miller	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	4
11-Jul-17	RNZI	Miller	Less Than 5%	9.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	4
25-Jul-17	RNZI	Miller	Less Than 5%	8.00	2	Partly Cloudy	Calm/Ripple	NE	Below Normal	6
25-Jul-17	RNZI	Miller	Less Than 5%	8.00	2	Partly Cloudy	Calm/Ripple	NE	Below Normal	6
25-Jul-17	RNZI	Miller	Less Than 5%	8.00	2	Partly Cloudy	Calm/Ripple	NE	Below Normal	6
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
18-Jul-17	RNZO	New Thompson		
18-Jul-17	RNZO	New Thompson		
10-Jul-17	RAZP	Arcadia		
10-Jul-17	RAZP	Arcadia		
10-Jul-17	RAZP	Arcadia		
24-Jul-17	RAZP	Arcadia		
24-Jul-17	RAZP	Arcadia		
24-Jul-17	RAZP	Arcadia		
07-Jul-17	RNU	Jaycee		
07-Jul-17	RNU	Jaycee		
07-Jul-17	RNU	Jaycee		
10-Jul-17	RNZG	Spring Arbor		
10-Jul-17	RNZG	Spring Arbor		
10-Jul-17	RNZG	Spring Arbor		
10-Jul-17	RNZG	Spring Arbor		
12-Jul-17	RNI	Carbondale		
12-Jul-17	RNI	Carbondale		
09-Jul-17	SNA	Chautauqua		
09-Jul-17	SNA	Chautauqua		
09-Jul-17	SNA	Chautauqua		
13-Jul-17	RNE	Cedar		
13-Jul-17	RNE	Cedar		
13-Jul-17	RNE	Cedar		
13-Jul-17	RNE	Cedar		
13-Jul-17	RNE	Cedar		
13-Jul-17	RNE	Cedar		
13-Jul-17	RNE	Cedar		
11-Jul-17	RNZI	Miller	75 degrees eagle spotted	
11-Jul-17	RNZI	Miller	75 degrees eagle spotted	
11-Jul-17	RNZI	Miller	75 degrees eagle spotted	
25-Jul-17	RNZI	Miller	68 degrees	
25-Jul-17	RNZI	Miller	68 degrees	
25-Jul-17	RNZI	Miller	68 degrees	
28-Jul-17	RNE	Cedar		
28-Jul-17	RNE	Cedar		
28-Jul-17	RNE	Cedar		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
18-Jul-17	RNZO	New Thompson		13:07	RNZO-2	79	FALSE	FALSE	0	6	10
18-Jul-17	RNZO	New Thompson		13:20	RNZO-3	80	FALSE	FALSE	0	6	7
10-Jul-17	RAZP	Arcadia		14:30	RAZP-1	30	FALSE	FALSE	0	3	20.5
10-Jul-17	RAZP	Arcadia		15:00	RAZP-2	32	FALSE	FALSE	0	3	11.5
10-Jul-17	RAZP	Arcadia		15:15	RAZP-3	30	FALSE	FALSE	0	3	11
24-Jul-17	RAZP	Arcadia		11:45	RAZP-1	34	FALSE	FALSE	0	3	21.5
24-Jul-17	RAZP	Arcadia		12:00	RAZP-2	32	FALSE	FALSE	0	3	11.5
24-Jul-17	RAZP	Arcadia		11:30	RAZP-3	30	FALSE	FALSE	0	3	10.5
07-Jul-17	RNU	Jaycee		13:06	RNU-1	72	FALSE	FALSE	1	12	20
07-Jul-17	RNU	Jaycee		13:15	RNU-2	70	FALSE	FALSE	1	13	13.5
07-Jul-17	RNU	Jaycee		13:22	RNU-3		FALSE	TRUE	4		6
10-Jul-17	RNZG	Spring Arbor		14:05	RNZG-1	45	FALSE	FALSE	0	17	38
10-Jul-17	RNZG	Spring Arbor		13:50	RNZG-2	45	FALSE	FALSE	0	17	26
10-Jul-17	RNZG	Spring Arbor		14:15	RNZG-3	45	FALSE	FALSE	0	12	22.5
10-Jul-17	RNZG	Spring Arbor		13:40	RNZG-4	37	FALSE	FALSE	0	12	7
12-Jul-17	RNI	Carbondale	Site 3 too shallow	12:11	RNI-1	18	FALSE	FALSE	0	12	11
12-Jul-17	RNI	Carbondale	Site 3 too shallow	12:23	RNI-2	14	FALSE	FALSE	0	12	7
09-Jul-17	SNA	Chautauqua		14:50	SNA-1	20	FALSE	FALSE	0	12	15
09-Jul-17	SNA	Chautauqua		14:40	SNA-2	18	FALSE	FALSE	0	12	16
09-Jul-17	SNA	Chautauqua		14:30	SNA-3	11	TRUE	FALSE	1	12	1
13-Jul-17	RNE	Cedar		08:52	RNE-1	86	FALSE	FALSE	0	8	44
13-Jul-17	RNE	Cedar		09:11	RNE-2	55	FALSE	FALSE	0	12	34
13-Jul-17	RNE	Cedar		09:23	RNE-3	61	FALSE	FALSE	0	13	19
13-Jul-17	RNE	Cedar		09:35	RNE-4	50	FALSE	FALSE	0	12	11
13-Jul-17	RNE	Cedar		09:56	RNE-5	60	FALSE	FALSE	0	14	41
13-Jul-17	RNE	Cedar		10:03	RNE-7	45	FALSE	FALSE	0	13	10
13-Jul-17	RNE	Cedar		10:15	RNE-9	51	FALSE	FALSE	0	11	8
11-Jul-17	RNZI	Miller		07:06	RNZI-1	20	FALSE	FALSE	0	12	22
11-Jul-17	RNZI	Miller		07:27	RNZI-2	20	FALSE	FALSE	0	12	12
11-Jul-17	RNZI	Miller		07:39	RNZI-3	12	FALSE	FALSE	0	12	5
25-Jul-17	RNZI	Miller		07:05	RNZI-1	44	FALSE	FALSE	0	12	22
25-Jul-17	RNZI	Miller		07:23	RNZI-2	28	FALSE	FALSE	0	12	11
25-Jul-17	RNZI	Miller		07:35	RNZI-3	21	FALSE	FALSE	0	12	5
28-Jul-17	RNE	Cedar		09:55	RNE-1	105	FALSE	FALSE	0	17	44
28-Jul-17	RNE	Cedar		10:15	RNE-2	90	FALSE	FALSE	0	17	34.5
28-Jul-17	RNE	Cedar		10:30	RNE-3	68	FALSE	FALSE	0	12	18.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6
28-Jul-17	RNE	Cedar	Less Than 5%	9.00	0.2	Overcast	Moderate Waves	N	Below Normal	6
09-Aug-17	RTW	Silver		4.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
09-Aug-17	RTW	Silver		4.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
09-Aug-17	RTW	Silver		4.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
09-Aug-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	E	Below Normal	0.4
08-Aug-17	RNC	Kinkaid	Less Than 5%	6.00	0.5	Sunny	Small Waves	NW	Below Normal	0.7
08-Aug-17	RNC	Kinkaid	Less Than 5%	6.00	0.5	Sunny	Small Waves	NW	Below Normal	0.7
08-Aug-17	RNC	Kinkaid	Less Than 5%	6.00	0.5	Sunny	Small Waves	NW	Below Normal	0.7
08-Aug-17	RNC	Kinkaid	Less Than 5%	6.00	0.5	Sunny	Small Waves	NW	Below Normal	0.7
09-Aug-17	WGZY	Swan	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	2.9
09-Aug-17	WGZY	Swan	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	2.9
09-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	1.08
09-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	1.08
09-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	1.08
09-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	1.08
09-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	18
09-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	18
09-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	18
09-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SE	Below Normal	18
09-Aug-17	RBU	Crystal	Less Than 5%	2.25	0	Sunny	Calm/Ripple	NW	Below Normal	22
09-Aug-17	RBU	Crystal	Less Than 5%	2.25	0	Sunny	Calm/Ripple	NW	Below Normal	22
09-Aug-17	RBU	Crystal	Less Than 5%	2.25	0	Sunny	Calm/Ripple	NW	Below Normal	22

Sample Date	Lake Code	Waterbody	Observations	Other Information
28-Jul-17	RNE	Cedar		
28-Jul-17	RNE	Cedar		
28-Jul-17	RNE	Cedar		
28-Jul-17	RNE	Cedar		
09-Aug-17	RTW	Silver	Cool temperatures. Water has algae and/or pollen on surface.	Boating, ducks, heron. In S/W bay there is dense weeds and algae.
09-Aug-17	RTW	Silver	Cool temperatures. Water has algae and/or pollen on surface.	Boating, ducks, heron. In S/W bay there is dense weeds and algae.
09-Aug-17	RTW	Silver	Cool temperatures. Water has algae and/or pollen on surface.	Boating, ducks, heron. In S/W bay there is dense weeds and algae.
09-Aug-17	RND	Murphysboro	None	None
08-Aug-17	RNC	Kinkaid	None	None
08-Aug-17	RNC	Kinkaid	None	None
08-Aug-17	RNC	Kinkaid	None	None
08-Aug-17	RNC	Kinkaid	None	None
09-Aug-17	WGZY	Swan		Suspended filamentous green algae seen; no blue-green algae seen. No Spatterdock seen around the Southeast island.
09-Aug-17	WGZY	Swan		Suspended filamentous green algae seen; no blue-green algae seen. No Spatterdock seen around the Southeast island.
09-Aug-17	RDO	Bloomington		
09-Aug-17	RDO	Bloomington		
09-Aug-17	RDO	Bloomington		
09-Aug-17	RDO	Bloomington		
09-Aug-17	SDA	Evergreen		
09-Aug-17	SDA	Evergreen		
09-Aug-17	SDA	Evergreen		
09-Aug-17	SDA	Evergreen		
09-Aug-17	RBU	Crystal	second suspected blue green algae bloom of 2017	
09-Aug-17	RBU	Crystal	second suspected blue green algae bloom of 2017	
09-Aug-17	RBU	Crystal	second suspected blue green algae bloom of 2017	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
28-Jul-17	RNE	Cedar		10:50	RNE-4	56	FALSE	FALSE	0	12	13.5
28-Jul-17	RNE	Cedar		11:15	RNE-5	89	FALSE	FALSE	0	17	40.5
28-Jul-17	RNE	Cedar		11:35	RNE-7	61	FALSE	FALSE	0	12	11
28-Jul-17	RNE	Cedar		11:45	RNE-9	78	FALSE	FALSE	0	12	10.5
09-Aug-17	RTW	Silver	400 feet of aeration. BP = 741 . Surface temp = 75.4 F D.O.= 9.5 Bottom temp = 75.9 F D.O.= 8.9	08:29	RTW-1	156	FALSE	FALSE	0	12	15.5
09-Aug-17	RTW	Silver	400 feet of aeration. BP = 741 . Surface temp = 75.4 F D.O.= 9.5 Bottom temp = 75.9 F D.O.= 8.9	08:51	RTW-2	84	FALSE	TRUE	1	12	9
09-Aug-17	RTW	Silver	400 feet of aeration. BP = 741 . Surface temp = 75.4 F D.O.= 9.5 Bottom temp = 75.9 F D.O.= 8.9	09:01	RTW-3	48	FALSE	TRUE	3	13	5.5
09-Aug-17	RND	Murphysboro	None	12:06	RND-1	26	FALSE	FALSE	0	12	6
08-Aug-17	RNC	Kinkaid	None	11:24	RNC-1	64	FALSE	FALSE	0	12	56
08-Aug-17	RNC	Kinkaid	None	10:51	RNC-2	57	FALSE	FALSE	0	12	38
08-Aug-17	RNC	Kinkaid	None	10:18	RNC-3	44	FALSE	FALSE	0	13	28
08-Aug-17	RNC	Kinkaid	None	12:13	RNC-9	46	FALSE	FALSE	0	12	24
09-Aug-17	WGZY	Swan	Summer aeratoin system running with oxygen concentrator.	10:40	WGZY-1	66	FALSE	FALSE	0	12	12
09-Aug-17	WGZY	Swan	Summer aeratoin system running with oxygen concentrator.	10:20	WGZY-2	66	FALSE	FALSE	0	12	11.5
09-Aug-17	RDO	Bloomington		10:34	RDO-1	24	FALSE	FALSE	0	11	30
09-Aug-17	RDO	Bloomington		10:45	RDO-2	26	FALSE	FALSE	0	11	24
09-Aug-17	RDO	Bloomington		11:00	RDO-3	14	FALSE	FALSE	0	10	12
09-Aug-17	RDO	Bloomington		11:20	RDO-4	18	FALSE	FALSE	0	11	12
09-Aug-17	SDA	Evergreen		09:17	SDA-1	36	FALSE	FALSE	0	9	46
09-Aug-17	SDA	Evergreen		09:50	SDA-2	26	FALSE	FALSE	0	7	10
09-Aug-17	SDA	Evergreen		09:57	SDA-3	16	FALSE	FALSE	0	10	10
09-Aug-17	SDA	Evergreen		09:35	SDA-4	30	FALSE	FALSE	0	6	32
09-Aug-17	RBU	Crystal		13:42	RBU-1	24	FALSE	FALSE	0	12	5
09-Aug-17	RBU	Crystal		13:36	RBU-3	33	FALSE	FALSE	0	17	7
09-Aug-17	RBU	Crystal		13:30	RBU-7	31	FALSE	FALSE	0	17	8.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
11-Aug-17	RTM	East Loon		1.00	0	Overcast	Calm/Ripple	W	Above Normal	8
11-Aug-17	RTM	East Loon		1.00	0	Overcast	Calm/Ripple	W	Above Normal	8
11-Aug-17	RTM	East Loon		1.00	0	Overcast	Calm/Ripple	W	Above Normal	8
11-Aug-17	RTZB	West Loon		1.50	0	Overcast	Calm/Ripple	W	Above Normal	8
11-Aug-17	RTZB	West Loon		1.50	0	Overcast	Calm/Ripple	W	Above Normal	8
11-Aug-17	RTZB	West Loon		1.50	0	Overcast	Calm/Ripple	W	Above Normal	8
12-Aug-17	RTZV	Killarney	51% To 70%	4.00	0.6	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
12-Aug-17	RTZV	Killarney	51% To 70%	4.00	0.6	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
12-Aug-17	RTZV	Killarney	51% To 70%	4.00	0.6	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
06-Aug-17	RPV	Candlewick		1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	3
06-Aug-17	RPV	Candlewick		1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
11-Aug-17	RTM	East Loon	July Flooding in Lake County. At flood event lake level rose 24 in to 21 in above normal	Lily pads, Eurasian Milfoil,
11-Aug-17	RTM	East Loon	July Flooding in Lake County. At flood event lake level rose 24 in to 21 in above normal	Lily pads, Eurasian Milfoil,
11-Aug-17	RTM	East Loon	July Flooding in Lake County. At flood event lake level rose 24 in to 21 in above normal	Lily pads, Eurasian Milfoil,
11-Aug-17	RTZB	West Loon	Major flooding in Lake County during July. Lake level rose by 24 in to 21 in above normal.	Star Grass, Valesenaria, Il. Pond Weed, Eurasian Watermilfoil
11-Aug-17	RTZB	West Loon	Major flooding in Lake County during July. Lake level rose by 24 in to 21 in above normal.	Star Grass, Valesenaria, Il. Pond Weed, Eurasian Watermilfoil
11-Aug-17	RTZB	West Loon	Major flooding in Lake County during July. Lake level rose by 24 in to 21 in above normal.	Star Grass, Valesenaria, Il. Pond Weed, Eurasian Watermilfoil
12-Aug-17	RTZV	Killarney	Heavy discharge into lake from culvert on North shore.	Change in water color. usually #3, now #13.
12-Aug-17	RTZV	Killarney	Heavy discharge into lake from culvert on North shore.	Change in water color. usually #3, now #13.
12-Aug-17	RTZV	Killarney	Heavy discharge into lake from culvert on North shore.	Change in water color. usually #3, now #13.
06-Aug-17	RPV	Candlewick	Floating debris has decreased	Fingers in lake have coontail, but main lake is clear.
06-Aug-17	RPV	Candlewick	Floating debris has decreased	Fingers in lake have coontail, but main lake is clear.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
11-Aug-17	RTM	East Loon	Mechanical harvesting from June 15 to July 07. Herbicidal treatment on 8/4/2017 of 24 acres to treat Eurasian Milfoil using R2d	13:35	RTM-1	27	FALSE	FALSE	0	13	22
11-Aug-17	RTM	East Loon	Mechanical harvesting from June 15 to July 07. Herbicidal treatment on 8/4/2017 of 24 acres to treat Eurasian Milfoil using R2d	13:45	RTM-2	31	FALSE	FALSE	0	13	13
11-Aug-17	RTM	East Loon	Mechanical harvesting from June 15 to July 07. Herbicidal treatment on 8/4/2017 of 24 acres to treat Eurasian Milfoil using R2d		RTM-3		FALSE	FALSE	4		
11-Aug-17	RTZB	West Loon	Mechanical harvesting July 31 through Aug 4	12:40	RTZB-1	117	FALSE	FALSE	0	13	37
11-Aug-17	RTZB	West Loon	Mechanical harvesting July 31 through Aug 4	13:05	RTZB-2	114	FALSE	FALSE	0	12	25
11-Aug-17	RTZB	West Loon	Mechanical harvesting July 31 through Aug 4	13:15	RTZB-4		FALSE	TRUE	4		6
12-Aug-17	RTZV	Killarney	Discharge reported to McHenry County Health dept.. Health dept. tests determine water is safe for swimmers. Source of discharge still unknown. Still under investigation.	14:30	RTZV-1	96	FALSE	FALSE	0	13	22
12-Aug-17	RTZV	Killarney	Discharge reported to McHenry County Health dept.. Health dept. tests determine water is safe for swimmers. Source of discharge still unknown. Still under investigation.	14:50	RTZV-2	84	FALSE	FALSE	0	13	19.5
12-Aug-17	RTZV	Killarney	Discharge reported to McHenry County Health dept.. Health dept. tests determine water is safe for swimmers. Source of discharge still unknown. Still under investigation.	15:15	RTZV-3	78	FALSE	FALSE	1	13	10
06-Aug-17	RPV	Candlewick	7/13 Diquat and Cutrine Ultra 7/17 Cutrine Ultra - 10 Gallons 8/3 7.5 Gallons Cutrine Ultra, 20 gallons Cutrine Ultra and Tribune each mixed. Weed/algae harvesting almost every weekday throughout the month.	17:00	RPV-1	36	FALSE	FALSE	0	5	25
06-Aug-17	RPV	Candlewick	7/13 Diquat and Cutrine Ultra 7/17 Cutrine Ultra - 10 Gallons 8/3 7.5 Gallons Cutrine Ultra, 20 gallons Cutrine Ultra and Tribune each mixed. Weed/algae harvesting almost every weekday throughout the month.	17:15	RPV-2	36	FALSE	FALSE	0	5	15

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
06-Aug-17	RPV	Candlewick		1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	3
17-Jul-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
17-Jul-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
17-Jul-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
31-Jul-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
31-Jul-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
31-Jul-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
04-Aug-17	RTZF	Tower	51% To 70%	2.00	0	Overcast	Moderate Waves	W	Above Normal	1.5
04-Aug-17	RTZF	Tower	51% To 70%	2.00	0	Overcast	Moderate Waves	W	Above Normal	1.5
04-Aug-17	RTZF	Tower	51% To 70%	2.00	0	Overcast	Moderate Waves	W	Above Normal	1.5

Sample Date	Lake Code	Waterbody	Observations	Other Information
06-Aug-17	RPV	Candlewick	Floating debris has decreased	Fingers in lake have coontail, but main lake is clear.
17-Jul-17	RGU	Loch Lomond	flash flood 7.5 in. wed 7/10/17	
17-Jul-17	RGU	Loch Lomond	flash flood 7.5 in. wed 7/10/17	
17-Jul-17	RGU	Loch Lomond	flash flood 7.5 in. wed 7/10/17	
31-Jul-17	RGU	Loch Lomond		11+ in rain over July has flushed lake regularly
31-Jul-17	RGU	Loch Lomond		11+ in rain over July has flushed lake regularly
31-Jul-17	RGU	Loch Lomond		11+ in rain over July has flushed lake regularly
04-Aug-17	RTZF	Tower		
04-Aug-17	RTZF	Tower		
04-Aug-17	RTZF	Tower		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
06-Aug-17	RPV	Candlewick	7/13 Diquat and Cutrine Ultra 7/17 Cutrine Ultra - 10 Gallons 8/3 7.5 Gallons Cutrine Ultra, 20 gallons Cutrine Ultra and Tribune each mixed. Weed/algae harvesting almost every weekday throughout the month.	17:30	RPV-3	36	FALSE	FALSE	0	5	7
17-Jul-17	RGU	Loch Lomond	TDS 170PPM 381 cond. 81 F	10:25	RGU-1	25	FALSE	FALSE	0	17	8.5
17-Jul-17	RGU	Loch Lomond	TDS 170PPM 381 cond. 81 F	10:45	RGU-2	24	FALSE	FALSE	0	17	7
17-Jul-17	RGU	Loch Lomond	TDS 170PPM 381 cond. 81 F	11:10	RGU-3	18	FALSE	FALSE	0	14	5
31-Jul-17	RGU	Loch Lomond	7-10 days ago, herbicide diquat patches of curly leaf only site 1. TDS 189 Temp 79 Conductivity 385	09:30	RGU-1	30	FALSE	FALSE	0	18	7
31-Jul-17	RGU	Loch Lomond	7-10 days ago, herbicide diquat patches of curly leaf only site 1. TDS 189 Temp 79 Conductivity 385	10:00	RGU-2	30	FALSE	FALSE	0	17	6.5
31-Jul-17	RGU	Loch Lomond	7-10 days ago, herbicide diquat patches of curly leaf only site 1. TDS 189 Temp 79 Conductivity 385	10:30	RGU-3	27	FALSE	FALSE	0	17	4.5
04-Aug-17	RTZF	Tower	Lots of lillies	13:15	RTZF-1	27	FALSE	FALSE	3	13	6
04-Aug-17	RTZF	Tower	Lots of lillies	13:35	RTZF-2	34	FALSE	FALSE	-1	13	7.5
04-Aug-17	RTZF	Tower	Lots of lillies	13:50	RTZF-3	28	FALSE	FALSE	-1	13	5.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Aug-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
14-Aug-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
14-Aug-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
13-Aug-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	E	Below Normal	8
13-Aug-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	E	Below Normal	8
13-Aug-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	E	Below Normal	8
13-Aug-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	E	Below Normal	8
21-Jul-17	RGR	Charles	Less Than 5%	2.50	1.4	Hazy	Calm/Ripple	S	Above Normal	3.25
21-Jul-17	RGR	Charles	Less Than 5%	2.50	1.4	Hazy	Calm/Ripple	S	Above Normal	3.25
21-Jul-17	RGR	Charles	Less Than 5%	2.50	1.4	Hazy	Calm/Ripple	S	Above Normal	3.25
11-Aug-17	RDF	Otter	Less Than 5%	6.00	0.3	Partly Cloudy	Calm/Ripple	NW	Below Normal	4

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Aug-17	RTZS	Goose	lake was drained about 2 - 3 feet for work on Willow St. bridge during the week of 8/7 to 8/11.	
14-Aug-17	RTZS	Goose	lake was drained about 2 - 3 feet for work on Willow St. bridge during the week of 8/7 to 8/11.	
14-Aug-17	RTZS	Goose	lake was drained about 2 - 3 feet for work on Willow St. bridge during the week of 8/7 to 8/11.	
13-Aug-17	REZL	Twin Oaks	dry & cooler	water meal; Southern nyaid
13-Aug-17	REZL	Twin Oaks	dry & cooler	water meal; Southern nyaid
13-Aug-17	REZL	Twin Oaks	dry & cooler	water meal; Southern nyaid
13-Aug-17	REZL	Twin Oaks	dry & cooler	water meal; Southern nyaid
21-Jul-17	RGR	Charles	recent blue-green algae bloom	frog, ducks, GB heron, fishy odor@ beach, beach aerator off, scum @ site 3, west bay is loaded with blue-green, tern, waterwillow, pickerel, cattail, bullrush, water iris
21-Jul-17	RGR	Charles	recent blue-green algae bloom	frog, ducks, GB heron, fishy odor@ beach, beach aerator off, scum @ site 3, west bay is loaded with blue-green, tern, waterwillow, pickerel, cattail, bullrush, water iris
21-Jul-17	RGR	Charles	recent blue-green algae bloom	frog, ducks, GB heron, fishy odor@ beach, beach aerator off, scum @ site 3, west bay is loaded with blue-green, tern, waterwillow, pickerel, cattail, bullrush, water iris
11-Aug-17	RDF	Otter		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Aug-17	RTZS	Goose		10:35	RTZS-1	28	FALSE	FALSE	0	3	10
14-Aug-17	RTZS	Goose		11:10	RTZS-2	28	FALSE	FALSE	0	12	6.5
14-Aug-17	RTZS	Goose		11:25	RTZS-3	28	TRUE	FALSE	0	12	2.5
13-Aug-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade applied 6/11/17	14:35	REZL-1	20	FALSE	FALSE	0	20	4
13-Aug-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade applied 6/11/17	14:15	REZL-2	20	FALSE	FALSE	0	20	3.5
13-Aug-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade applied 6/11/17	13:30	REZL-3	20	FALSE	FALSE	0	20	3.5
13-Aug-17	REZL	Twin Oaks	aerators on; groundwater pump on; Aquashade applied 6/11/17	13:50	REZL-4	20	FALSE	FALSE	0	20	4.5
21-Jul-17	RGR	Charles	11July2017:DO=8.4, 50# copper sulfate,8 gal black onyx; 19July2017:7.5 gal cutrine plus; 1-S:9.09pH,82.3F,516ms,258ppm; 1-18:8.55pH,78.6F,466ms,233ppm; 2-S:9.04pH,80.5F,520ms,260ppm; 2-4:8.73pH,81.1F,510ms,254ppm; 3-S:9.24pH,83.4F,505ms,253ppm; 3-3:9.12pH,82.0F,512ms,255ppm	12:23	RGR-1	26	FALSE	FALSE	0	8	20
21-Jul-17	RGR	Charles	11July2017:DO=8.4, 50# copper sulfate,8 gal black onyx; 19July2017:7.5 gal cutrine plus; 1-S:9.09pH,82.3F,516ms,258ppm; 1-18:8.55pH,78.6F,466ms,233ppm; 2-S:9.04pH,80.5F,520ms,260ppm; 2-4:8.73pH,81.1F,510ms,254ppm; 3-S:9.24pH,83.4F,505ms,253ppm; 3-3:9.12pH,82.0F,512ms,255ppm	11:15	RGR-2	28	FALSE	FALSE	0	12	6
21-Jul-17	RGR	Charles	11July2017:DO=8.4, 50# copper sulfate,8 gal black onyx; 19July2017:7.5 gal cutrine plus; 1-S:9.09pH,82.3F,516ms,258ppm; 1-18:8.55pH,78.6F,466ms,233ppm; 2-S:9.04pH,80.5F,520ms,260ppm; 2-4:8.73pH,81.1F,510ms,254ppm; 3-S:9.24pH,83.4F,505ms,253ppm; 3-3:9.12pH,82.0F,512ms,255ppm	11:45	RGR-3	25	FALSE	FALSE	0	8	5
11-Aug-17	RDF	Otter		10:00	RDF-1	32	FALSE	FALSE	0	12	49.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
11-Aug-17	RDF	Otter	Less Than 5%	6.00	0.3	Partly Cloudy	Calm/Ripple	NW	Below Normal	4
11-Aug-17	RDF	Otter	Less Than 5%	6.00	0.3	Partly Cloudy	Calm/Ripple	NW	Below Normal	4
11-Aug-17	RDF	Otter	Less Than 5%	6.00	0.3	Partly Cloudy	Calm/Ripple	NW	Below Normal	4
15-Aug-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
15-Aug-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
15-Aug-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
20-Jul-17	RGZM	Valley	Less Than 5%	2.00	0.96	Partly Cloudy	Small Waves	S	Above Normal	5
20-Jul-17	RGZM	Valley	Less Than 5%	2.00	0.96	Partly Cloudy	Small Waves	S	Above Normal	5
20-Jul-17	RGZM	Valley	Less Than 5%	2.00	0.96	Partly Cloudy	Small Waves	S	Above Normal	5
15-Aug-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Below Normal	4
15-Aug-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Below Normal	4
15-Aug-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Calm/Ripple	W	Below Normal	4
27-Jul-17	RTZU	Honey		2.00	0.1	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
27-Jul-17	RTZU	Honey		2.00	0.1	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
27-Jul-17	RTZU	Honey		2.00	0.1	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
15-Aug-17	RGZM	Valley	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	N	Above Normal	0.5
15-Aug-17	RGZM	Valley	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	N	Above Normal	0.5
15-Aug-17	RGZM	Valley	Less Than 5%	1.50	0	Partly Cloudy	Calm/Ripple	N	Above Normal	0.5
15-Aug-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	6
15-Aug-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	6
15-Aug-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	6
15-Aug-17	RDF	Otter	Less Than 5%	6.00	0	Sunny	Calm/Ripple	W	Below Normal	6
16-Jul-17	RTD	Catherine	Less Than 5%	3.00	0.01	Overcast	Moderate Waves	NE	Above Normal	52
16-Jul-17	RTD	Catherine	Less Than 5%	3.00	0.01	Overcast	Moderate Waves	NE	Above Normal	52
30-Jul-17	RTD	Catherine	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NE	Above Normal	48
30-Jul-17	RTD	Catherine	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NE	Above Normal	48
30-Jul-17	RTD	Catherine	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NE	Above Normal	48
17-Aug-17	RJD	Dunlap	Less Than 5%	1.50	0.5	Partly Cloudy	Small Waves	W	Above Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
11-Aug-17	RDF	Otter		
11-Aug-17	RDF	Otter		
11-Aug-17	RDF	Otter		
15-Aug-17	RBD	Vermilion		
15-Aug-17	RBD	Vermilion		
15-Aug-17	RBD	Vermilion		
20-Jul-17	RGZM	Valley	heavy rain and flooding in the past week, very green	lake overflowed on northeast corner on 7-12-17
20-Jul-17	RGZM	Valley	heavy rain and flooding in the past week, very green	lake overflowed on northeast corner on 7-12-17
20-Jul-17	RGZM	Valley	heavy rain and flooding in the past week, very green	lake overflowed on northeast corner on 7-12-17
15-Aug-17	RDR	Spring		
15-Aug-17	RDR	Spring		
15-Aug-17	RDR	Spring		
27-Jul-17	RTZU	Honey		
27-Jul-17	RTZU	Honey		
27-Jul-17	RTZU	Honey		
15-Aug-17	RGZM	Valley		very green
15-Aug-17	RGZM	Valley		very green
15-Aug-17	RGZM	Valley		very green
15-Aug-17	RDF	Otter		
15-Aug-17	RDF	Otter		
15-Aug-17	RDF	Otter		
15-Aug-17	RDF	Otter		
16-Jul-17	RTD	Catherine	very high lake levels	
16-Jul-17	RTD	Catherine	very high lake levels	
30-Jul-17	RTD	Catherine	water still high	because of high water levels looks like Milfoil has grown trying to get to the surface andmore sunlight
30-Jul-17	RTD	Catherine	water still high	because of high water levels looks like Milfoil has grown trying to get to the surface andmore sunlight
30-Jul-17	RTD	Catherine	water still high	because of high water levels looks like Milfoil has grown trying to get to the surface andmore sunlight
17-Aug-17	RJD	Dunlap		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
11-Aug-17	RDF	Otter		10:30	RDF-2	34	FALSE	FALSE	0	12	29
11-Aug-17	RDF	Otter		11:18	RDF-3	18	FALSE	FALSE	0	12	8.5
11-Aug-17	RDF	Otter		10:54	RDF-4	28	FALSE	FALSE	0	13	29
15-Aug-17	RBD	Vermilion		13:07	RBD-1	27	FALSE	FALSE	0	0	17
15-Aug-17	RBD	Vermilion		12:52	RBD-2	18	FALSE	FALSE	0	0	11
15-Aug-17	RBD	Vermilion		12:32	RBD-3	15	FALSE	FALSE	0	0	5.5
20-Jul-17	RGZM	Valley	none because of flood	10:17	RGZM-1	19	FALSE	FALSE	0	3	10
20-Jul-17	RGZM	Valley	none because of flood	10:35	RGZM-2	22	FALSE	FALSE	0	3	8
20-Jul-17	RGZM	Valley	none because of flood	10:55	RGZM-3	19	FALSE	FALSE	0	3	7
15-Aug-17	RDR	Spring		10:15	RDR-1	14	FALSE	FALSE	0	12	22
15-Aug-17	RDR	Spring		08:52	RDR-2	12	FALSE	FALSE	0	12	7
15-Aug-17	RDR	Spring		08:30	RDR-3	8	FALSE	FALSE	0	12	2
27-Jul-17	RTZU	Honey		10:17	RTZU-1	36	FALSE	FALSE	0	13	19
27-Jul-17	RTZU	Honey		10:36	RTZU-2	38	FALSE	FALSE	0	13	19
27-Jul-17	RTZU	Honey		10:51	RTZU-3	37	FALSE	FALSE	0	13	18
15-Aug-17	RGZM	Valley	treated 7-17-17 with bacteria treated 7-21-17 for blue green algae treated 7-31-17 for algae	10:50	RGZM-1	17	FALSE	FALSE	0	8	9.5
15-Aug-17	RGZM	Valley	treated 7-17-17 with bacteria treated 7-21-17 for blue green algae treated 7-31-17 for algae	11:10	RGZM-2	18	FALSE	FALSE	0	3	8
15-Aug-17	RGZM	Valley	treated 7-17-17 with bacteria treated 7-21-17 for blue green algae treated 7-31-17 for algae	11:20	RGZM-3	17	FALSE	FALSE	0	8	7
15-Aug-17	RDF	Otter		09:01	RDF-1	19	FALSE	FALSE	0	12	49.5
15-Aug-17	RDF	Otter		09:29	RDF-2	19	FALSE	FALSE	0	8	29
15-Aug-17	RDF	Otter		10:25	RDF-3	9	FALSE	FALSE	0	7	8.5
15-Aug-17	RDF	Otter		10:00	RDF-4	17	FALSE	FALSE	0	1	29
16-Jul-17	RTD	Catherine		11:06	RTD-1	33	FALSE	FALSE	0	12	44
16-Jul-17	RTD	Catherine		11:31	RTD-2	38	FALSE	FALSE	0	12	40
30-Jul-17	RTD	Catherine		10:36	RTD-1	68	FALSE	FALSE	0	13	40
30-Jul-17	RTD	Catherine		10:21	RTD-2	67	FALSE	FALSE	0	14	36
30-Jul-17	RTD	Catherine		10:09	RTD-3	54	FALSE	FALSE	0	14	33.5
17-Aug-17	RJD	Dunlap		10:08	RJD-1	31	FALSE	FALSE	0	0	24

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
17-Aug-17	RJD	Dunlap	Less Than 5%	1.50	0.5	Partly Cloudy	Small Waves	W	Above Normal	1
17-Aug-17	RJD	Dunlap	Less Than 5%	1.50	0.5	Partly Cloudy	Small Waves	W	Above Normal	1
31-Jul-17	SGH	Independence Grove		2.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	12
31-Jul-17	SGH	Independence Grove		2.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	12
31-Jul-17	SGH	Independence Grove		2.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	12
24-Jul-17	VTZJ	Louise	Less Than 5%	0.50	3	Sunny	Calm/Ripple	NONE	Above Normal	2
24-Jul-17	VTZJ	Louise	Less Than 5%	0.50	3	Sunny	Calm/Ripple	NONE	Above Normal	2
24-Jul-17	VTZJ	Louise	Less Than 5%	0.50	3	Sunny	Calm/Ripple	NONE	Above Normal	2
05-Aug-17	VTZJ	Louise	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
05-Aug-17	VTZJ	Louise	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
05-Aug-17	VTZJ	Louise	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
16-Aug-17	VGZF	Deboer Woods		3.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
16-Aug-17	VGZF	Deboer Woods		3.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
16-Aug-17	VGZF	Deboer Woods		3.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
20-Aug-17	VTZ	Charlotte	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	4
20-Aug-17	VTZ	Charlotte	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	4
20-Aug-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
20-Aug-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
20-Aug-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	SW	Below Normal	2
29-Jul-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	NE	Above Normal	2.75
29-Jul-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	NE	Above Normal	2.75
29-Jul-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	NE	Above Normal	2.75
10-Aug-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	SW	Above Normal	0.75
10-Aug-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	SW	Above Normal	0.75
10-Aug-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	SW	Above Normal	0.75
15-Aug-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Aug-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Aug-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	SW	Normal or Full	0
05-Aug-17	RDW	Beaver	Less Than 5%	1.00	2.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
05-Aug-17	RDW	Beaver	Less Than 5%	1.00	2.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
05-Aug-17	RDW	Beaver	Less Than 5%	1.00	2.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
05-Aug-17	RDW	Beaver	Less Than 5%	1.00	2.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
05-Aug-17	RDW	Beaver	Less Than 5%	1.00	2.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
02-Aug-17	SDP	Lancelot		#VALUE!	0	Sunny	Calm/Ripple		Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
17-Aug-17	RJD	Dunlap		
17-Aug-17	RJD	Dunlap		
31-Jul-17	SGH	Independence Grove	Water Unusually high due to rainfall	
31-Jul-17	SGH	Independence Grove	Water Unusually high due to rainfall	
31-Jul-17	SGH	Independence Grove	Water Unusually high due to rainfall	
24-Jul-17	VTZJ	Louise	Major Rain	
24-Jul-17	VTZJ	Louise	Major Rain	
24-Jul-17	VTZJ	Louise	Major Rain	
05-Aug-17	VTZJ	Louise		
05-Aug-17	VTZJ	Louise		
05-Aug-17	VTZJ	Louise		
16-Aug-17	VGZF	Deboer Woods	More noticeable odor and stench around the lake.	More blue/green and more green surface film.
16-Aug-17	VGZF	Deboer Woods	More noticeable odor and stench around the lake.	More blue/green and more green surface film.
16-Aug-17	VGZF	Deboer Woods	More noticeable odor and stench around the lake.	More blue/green and more green surface film.
20-Aug-17	VTZ	Charlotte	Fall is in the air, leaves on the lake	Ducks have returned, some floating algae clumps by the shore.
20-Aug-17	VTZ	Charlotte	Fall is in the air, leaves on the lake	Ducks have returned, some floating algae clumps by the shore.
20-Aug-17	RNJ	Devils Kitchen		
20-Aug-17	RNJ	Devils Kitchen		
20-Aug-17	RNJ	Devils Kitchen		
29-Jul-17	RMM	Galena	7.5" of rain last week	
29-Jul-17	RMM	Galena	7.5" of rain last week	
29-Jul-17	RMM	Galena	7.5" of rain last week	
10-Aug-17	RMM	Galena	temps have been between mid 50's and mid 50's	
10-Aug-17	RMM	Galena	temps have been between mid 50's and mid 50's	
10-Aug-17	RMM	Galena	temps have been between mid 50's and mid 50's	
15-Aug-17	UDH	Sunset		
15-Aug-17	UDH	Sunset		
15-Aug-17	UDH	Sunset		
05-Aug-17	RDW	Beaver		
05-Aug-17	RDW	Beaver		
05-Aug-17	RDW	Beaver		
05-Aug-17	RDW	Beaver		
05-Aug-17	RDW	Beaver		
02-Aug-17	SDP	Lancelot		Treaded lakes 7-28-17

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
17-Aug-17	RJD	Dunlap		10:20	RJD-2	27	FALSE	FALSE	0	0	18
17-Aug-17	RJD	Dunlap		10:30	RJD-3	25	FALSE	FALSE	0	0	8
31-Jul-17	SGH	Independence Grove		14:00	SGH-1	10.5	FALSE	FALSE	0	16	16
31-Jul-17	SGH	Independence Grove		13:36	SGH-2	10.2	FALSE	FALSE	0	19	20.5
31-Jul-17	SGH	Independence Grove		14:13	SGH-3	10.1	FALSE	FALSE	0	5	23
24-Jul-17	VTZJ	Louise		17:40	VTZJ-1	9	FALSE	FALSE	0	6	5.5
24-Jul-17	VTZJ	Louise		17:45	VTZJ-2	8	FALSE	FALSE	0	6	4
24-Jul-17	VTZJ	Louise		18:00	VTZJ-3	9	FALSE	FALSE	0	6	4.5
05-Aug-17	VTZJ	Louise		13:20	VTZJ-1	14	FALSE	FALSE	0	13	4.5
05-Aug-17	VTZJ	Louise		13:28	VTZJ-2	12	FALSE	FALSE	0	13	4
05-Aug-17	VTZJ	Louise		13:40	VTZJ-3	10	FALSE	FALSE	0	13	5
16-Aug-17	VGZF	Deboer Woods	No techniques applied	09:40	VGZF-1	20	FALSE	FALSE	0	12	21.6
16-Aug-17	VGZF	Deboer Woods	No techniques applied	10:00	VGZF-2	22	FALSE	FALSE	0	12	11
16-Aug-17	VGZF	Deboer Woods	No techniques applied	10:15	VGZF-3	18	FALSE	FALSE	0	12	12
20-Aug-17	VTZ	Charlotte	None	11:15	VTZ-1	123	FALSE	FALSE	0	17	11
20-Aug-17	VTZ	Charlotte	None	11:45	VTZ-2	41	TRUE	FALSE	0	20	3.5
20-Aug-17	RNJ	Devils Kitchen		12:40	RNJ-1	72	FALSE	FALSE	3	12	30
20-Aug-17	RNJ	Devils Kitchen		12:28	RNJ-2	84	FALSE	FALSE	3	12	26
20-Aug-17	RNJ	Devils Kitchen		11:58	RNJ-3	84	FALSE	FALSE	2	12	20
29-Jul-17	RMM	Galena		12:50	RMM-1	39	FALSE	FALSE	0	12	37
29-Jul-17	RMM	Galena		13:25	RMM-2	39	FALSE	FALSE	0	12	24
29-Jul-17	RMM	Galena		13:45	RMM-3	21	FALSE	FALSE	1	12	6
10-Aug-17	RMM	Galena	weed harvesting	10:40	RMM-1	54	FALSE	FALSE	0	12	36
10-Aug-17	RMM	Galena	weed harvesting	11:05	RMM-2	56	FALSE	FALSE	0	12	23
10-Aug-17	RMM	Galena	weed harvesting	11:30	RMM-3	30	FALSE	FALSE	2	12	6
15-Aug-17	UDH	Sunset		9:10	UDH-1	34	FALSE	FALSE	0	12	29
15-Aug-17	UDH	Sunset		9:20	UDH-2	33	FALSE	FALSE	0	13	16
15-Aug-17	UDH	Sunset		9:00	UDH-3	28	FALSE	FALSE	0	12	12
05-Aug-17	RDW	Beaver		11:20	RDW-1	96	FALSE	FALSE	0	3	19.3
05-Aug-17	RDW	Beaver		11:10	RDW-2	108	FALSE	FALSE	0	12	19
05-Aug-17	RDW	Beaver		11:00	RDW-3	24	FALSE	FALSE	0	12	4.6
05-Aug-17	RDW	Beaver		11:55	RDW-4	96	FALSE	FALSE	0	8	13.6
05-Aug-17	RDW	Beaver		11:40	RDW-6	132	FALSE	FALSE	0	8	20
02-Aug-17	SDP	Lancelot	Possible Blue Algae	9:45	SDP-1	70	FALSE	FALSE	1	17	28

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
02-Aug-17	SDP	Lancelot		#VALUE!	0	Sunny	Calm/Ripple		Normal or Full	0
02-Aug-17	SDP	Lancelot		#VALUE!	0	Sunny	Calm/Ripple		Normal or Full	0
02-Aug-17	UDB	Camelot	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	S	Normal or Full	0
02-Aug-17	UDB	Camelot	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	S	Normal or Full	0
02-Aug-17	UDB	Camelot	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	S	Normal or Full	0
01-Aug-17	RLH	Fyre		1.00		Partly Cloudy	Calm/Ripple	N	Normal or Full	0
01-Aug-17	RLH	Fyre		1.00		Partly Cloudy	Calm/Ripple	N	Normal or Full	0
01-Aug-17	RLH	Fyre		1.00		Partly Cloudy	Calm/Ripple	N	Normal or Full	0
30-Jul-17	RPI	Summerset		1.00	0	Partly Cloudy	Small Waves		Above Normal	1
30-Jul-17	RPI	Summerset		1.00	0	Partly Cloudy	Small Waves		Above Normal	1
30-Jul-17	RPI	Summerset		1.00	0	Partly Cloudy	Small Waves		Above Normal	1
28-Jul-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0.6	Sunny	Small Waves	NE	Below Normal	4
28-Jul-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0.6	Sunny	Small Waves	NE	Below Normal	4
28-Jul-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0.6	Sunny	Small Waves	NE	Below Normal	4
28-Jul-17	RDI	Jacksonville	Less Than 5%	3.00	0.6	Sunny	Small Waves	NE	Below Normal	6
28-Jul-17	RDI	Jacksonville	Less Than 5%	3.00	0.6	Sunny	Small Waves	NE	Below Normal	6
28-Jul-17	RDI	Jacksonville	Less Than 5%	3.00	0.6	Sunny	Small Waves	NE	Below Normal	6
27-Jul-17	SDQ	Thunderbird	Less Than 5%	#VALUE!	2	Partly Cloudy	Calm/Ripple	NE	Above Normal	2
27-Jul-17	SDQ	Thunderbird	Less Than 5%	#VALUE!	2	Partly Cloudy	Calm/Ripple	NE	Above Normal	2
27-Jul-17	SDQ	Thunderbird	Less Than 5%	#VALUE!	2	Partly Cloudy	Calm/Ripple	NE	Above Normal	2
30-Jul-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NE	Normal or Full	0
30-Jul-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NE	Normal or Full	0
30-Jul-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Calm/Ripple	NE	Normal or Full	0
17-Jul-17	RPI	Summerset		1.00	0.25	Partly Cloudy	Small Waves	WSW	Above Normal	1
17-Jul-17	RPI	Summerset		1.00	0.25	Partly Cloudy	Small Waves	WSW	Above Normal	1
17-Jul-17	RPI	Summerset		1.00	0.25	Partly Cloudy	Small Waves	WSW	Above Normal	1
26-Jul-17	RCF	Mattoon		8.00	0	Sunny	Calm/Ripple		Below Normal	4
26-Jul-17	RCF	Mattoon		8.00	0	Sunny	Calm/Ripple		Below Normal	4
26-Jul-17	RCF	Mattoon		8.00	0	Sunny	Calm/Ripple		Below Normal	4
26-Jul-17	RCF	Mattoon		8.00	0	Sunny	Calm/Ripple		Below Normal	4
26-Jul-17	RCF	Mattoon		8.00	0	Sunny	Calm/Ripple		Below Normal	4
26-Jul-17	RCG	Paradise		8.00	0	Sunny	Calm/Ripple	SW	Below Normal	3
26-Jul-17	RCG	Paradise		8.00	0	Sunny	Calm/Ripple	SW	Below Normal	3
26-Jul-17	RCG	Paradise		8.00	0	Sunny	Calm/Ripple	SW	Below Normal	3
20-Jul-17	RDI	Jacksonville	Less Than 5%	3.00		Sunny	Calm/Ripple	SW	Below Normal	6.75
20-Jul-17	RDI	Jacksonville	Less Than 5%	3.00		Sunny	Calm/Ripple	SW	Below Normal	6.75
20-Jul-17	RDI	Jacksonville	Less Than 5%	3.00		Sunny	Calm/Ripple	SW	Below Normal	6.75
22-Jul-17	RDW	Beaver		1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
22-Jul-17	RDW	Beaver		1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
02-Aug-17	SDP	Lancelot		Treaded lakes 7-28-17
02-Aug-17	SDP	Lancelot		Treaded lakes 7-28-17
02-Aug-17	UDB	Camelot		
02-Aug-17	UDB	Camelot		
02-Aug-17	UDB	Camelot		
01-Aug-17	RLH	Fyre	Increase in weed growth this year.	
01-Aug-17	RLH	Fyre	Increase in weed growth this year.	
01-Aug-17	RLH	Fyre	Increase in weed growth this year.	
30-Jul-17	RPI	Summerset		
30-Jul-17	RPI	Summerset		
30-Jul-17	RPI	Summerset		
28-Jul-17	SDL	Mauvaise Terre		
28-Jul-17	SDL	Mauvaise Terre		
28-Jul-17	SDL	Mauvaise Terre		
28-Jul-17	RDI	Jacksonville		
28-Jul-17	RDI	Jacksonville		
28-Jul-17	RDI	Jacksonville		
27-Jul-17	SDQ	Thunderbird		
27-Jul-17	SDQ	Thunderbird		
27-Jul-17	SDQ	Thunderbird		
30-Jul-17	UDH	Sunset		
30-Jul-17	UDH	Sunset		
30-Jul-17	UDH	Sunset		
17-Jul-17	RPI	Summerset		
17-Jul-17	RPI	Summerset		
17-Jul-17	RPI	Summerset		
26-Jul-17	RCF	Mattoon		
26-Jul-17	RCF	Mattoon		
26-Jul-17	RCF	Mattoon		
26-Jul-17	RCF	Mattoon		
26-Jul-17	RCF	Mattoon		
26-Jul-17	RCG	Paradise		
26-Jul-17	RCG	Paradise		
26-Jul-17	RCG	Paradise		
20-Jul-17	RDI	Jacksonville		
20-Jul-17	RDI	Jacksonville		
20-Jul-17	RDI	Jacksonville		
22-Jul-17	RDW	Beaver		
22-Jul-17	RDW	Beaver		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
02-Aug-17	SDP	Lancelot	Possible Blue Algae	10:42	SDP-2	58	FALSE	FALSE	1	17	18
02-Aug-17	SDP	Lancelot	Possible Blue Algae	10:48	SDP-3	36	FALSE	FALSE	4	12	4.5
02-Aug-17	UDB	Camelot	Chemical treatments, alege	12:55	UDB-1	42	FALSE	FALSE	0	3	36
02-Aug-17	UDB	Camelot	Chemical treatments, alege	13:33	UDB-2	36	FALSE	FALSE	0	3	25
02-Aug-17	UDB	Camelot	Chemical treatments, alege	13:54	UDB-3	36	FALSE	FALSE	0	2	15
01-Aug-17	RLH	Fyre		15:10	RLH-1	110	FALSE	FALSE	0	8	37.5
01-Aug-17	RLH	Fyre		14:55	RLH-2	116	FALSE	FALSE	0	8	28
01-Aug-17	RLH	Fyre		14:40	RLH-3	114	FALSE	FALSE	1	8	13.5
30-Jul-17	RPI	Summerset		14:50	RPI-1	44	FALSE	FALSE	0	14	32
30-Jul-17	RPI	Summerset		15:05	RPI-2	42	FALSE	FALSE	0	13	22
30-Jul-17	RPI	Summerset		15:40	RPI-3	40	FALSE	FALSE	0	12	12
28-Jul-17	SDL	Mauvaise Terre		9:21	SDL-1	20	FALSE	FALSE	0	12	7
28-Jul-17	SDL	Mauvaise Terre		9:28	SDL-2	12	FALSE	FALSE	0	12	11.5
28-Jul-17	SDL	Mauvaise Terre		9:45	SDL-3	14	FALSE	FALSE	0	12	9
28-Jul-17	RDI	Jacksonville		8:15	RDI-1	22	FALSE	FALSE	0	17	33
28-Jul-17	RDI	Jacksonville		8:32	RDI-2	22	FALSE	FALSE	0	17	23
28-Jul-17	RDI	Jacksonville		8:47	RDI-3	17	FALSE	FALSE	0	12	9
27-Jul-17	SDQ	Thunderbird		12:30	SDQ-1	38	FALSE	FALSE	0	8	34.6
27-Jul-17	SDQ	Thunderbird		12:55	SDQ-2	38	FALSE	FALSE	0	8	39
27-Jul-17	SDQ	Thunderbird		1:10	SDQ-3	30	FALSE	FALSE	0	7	10
30-Jul-17	UDH	Sunset		9:20	UDH-1	30	FALSE	FALSE	0	12	28
30-Jul-17	UDH	Sunset		9:10	UDH-2	30	FALSE	FALSE	0	12	15
30-Jul-17	UDH	Sunset		9:25	UDH-3	24	FALSE	FALSE	0	12	12
17-Jul-17	RPI	Summerset	Harvesting weeds	15:00	RPI-1	48	FALSE	TRUE	0	8	32
17-Jul-17	RPI	Summerset	Harvesting weeds	13:50	RPI-2	56	FALSE	FALSE	0	17	22
17-Jul-17	RPI	Summerset	Harvesting weeds	13:40	RPI-3	55	FALSE	FALSE	0	8	12
26-Jul-17	RCF	Mattoon	Pumping out of lake into lake Paradise	11:34	RCF-1	14	FALSE	FALSE	0	9	7.5
26-Jul-17	RCF	Mattoon	Pumping out of lake into lake Paradise	11:11	RCF-2	14	FALSE	FALSE	0	9	21.8
26-Jul-17	RCF	Mattoon	Pumping out of lake into lake Paradise	10:48	RCF-3	8	FALSE	FALSE	0	15	5.1
26-Jul-17	RCF	Mattoon	Pumping out of lake into lake Paradise	10:57	RCF-4	12	FALSE	FALSE	0	13	14
26-Jul-17	RCF	Mattoon	Pumping out of lake into lake Paradise	11:24	RCF-5	16	FALSE	FALSE	0	9	14
26-Jul-17	RCG	Paradise	Pumping into lake	10:07	RCG-1	12	FALSE	FALSE	0	11	16.7
26-Jul-17	RCG	Paradise	Pumping into lake	9:52	RCG-2	10	FALSE	FALSE	0	9	7.4
26-Jul-17	RCG	Paradise	Pumping into lake	9:52	RCG-3	8	FALSE	FALSE	0	8	1.9
20-Jul-17	RDI	Jacksonville		8:12	RDI-1	38	FALSE	FALSE	0	12	33
20-Jul-17	RDI	Jacksonville		8:32	RDI-2	29	FALSE	FALSE	0	12	19
20-Jul-17	RDI	Jacksonville		8:45	RDI-3	21	FALSE	FALSE	0	12	9
22-Jul-17	RDW	Beaver		15:20	RDW-1	17	FALSE	FALSE	0	4	8.6
22-Jul-17	RDW	Beaver		15:10	RDW-2	11	FALSE	FALSE	0	17	18.6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-Jul-17	RDW	Beaver		1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
22-Jul-17	RDW	Beaver		1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
22-Jul-17	RDW	Beaver		1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
25-Jul-17	SDP	Lancelot		1.50	0	Sunny	Calm/Ripple	E	Normal or Full	0
25-Jul-17	SDP	Lancelot		1.50	0	Sunny	Calm/Ripple	E	Normal or Full	0
25-Jul-17	SDP	Lancelot		1.50	0	Sunny	Calm/Ripple	E	Normal or Full	0
25-Jul-17	UDB	Camelot	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
25-Jul-17	UDB	Camelot	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
25-Jul-17	UDB	Camelot	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
13-Jul-17	SDP	Lancelot		4.00	1	Sunny	Small Waves	W	Above Normal	1
13-Jul-17	SDP	Lancelot		4.00	1	Sunny	Small Waves	W	Above Normal	1
13-Jul-17	SDP	Lancelot		4.00	1	Sunny	Small Waves	W	Above Normal	1
13-Jul-17	UDB	Camelot		4.00	1	Partly Cloudy	Calm/Ripple	N	Above Normal	1.5
13-Jul-17	UDB	Camelot		4.00	1	Partly Cloudy	Calm/Ripple	N	Above Normal	1.5
13-Jul-17	UDB	Camelot		4.00	1	Partly Cloudy	Calm/Ripple	N	Above Normal	1.5
02-Jun-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
02-Jun-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
02-Jun-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
21-Aug-17	RBU	Crystal	Less Than 5%	2.00	0	Hazy	Calm/Ripple	SW	Below Normal	25
21-Aug-17	RBU	Crystal	Less Than 5%	2.00	0	Hazy	Calm/Ripple	SW	Below Normal	25
21-Aug-17	RBU	Crystal	Less Than 5%	2.00	0	Hazy	Calm/Ripple	SW	Below Normal	25
18-Jul-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
18-Jul-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
18-Jul-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
18-Jul-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
07-Jul-17	RPJ	Bass	51% To 70%	1.00		Sunny	Calm/Ripple	N	Normal or Full	0
07-Jul-17	RPJ	Bass	51% To 70%	1.00		Sunny	Calm/Ripple	N	Normal or Full	0
07-Jul-17	RPJ	Bass	51% To 70%	1.00		Sunny	Calm/Ripple	N	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-Jul-17	RDW	Beaver		
22-Jul-17	RDW	Beaver		
22-Jul-17	RDW	Beaver		
25-Jul-17	SDP	Lancelot		Lake treated July 18
25-Jul-17	SDP	Lancelot		Lake treated July 18
25-Jul-17	SDP	Lancelot		Lake treated July 18
25-Jul-17	UDB	Camelot		Lake treated July 18th
25-Jul-17	UDB	Camelot		Lake treated July 18th
25-Jul-17	UDB	Camelot		Lake treated July 18th
13-Jul-17	SDP	Lancelot		
13-Jul-17	SDP	Lancelot		
13-Jul-17	SDP	Lancelot		
13-Jul-17	UDB	Camelot		
13-Jul-17	UDB	Camelot		
13-Jul-17	UDB	Camelot		
02-Jun-17	RPJ	Bass	Mild-less rain, warmer temps - 70's	surface water temp 68F, Algae clumps dispense across water surface, brown appearance
02-Jun-17	RPJ	Bass	Mild-less rain, warmer temps - 70's	surface water temp 68F, Algae clumps dispense across water surface, brown appearance
02-Jun-17	RPJ	Bass	Mild-less rain, warmer temps - 70's	surface water temp 68F, Algae clumps dispense across water surface, brown appearance
21-Aug-17	RBU	Crystal		blue green algae present at north end of lake, within sediment basin. Abraxis tests yielded no toxins.
21-Aug-17	RBU	Crystal		blue green algae present at north end of lake, within sediment basin. Abraxis tests yielded no toxins.
21-Aug-17	RBU	Crystal		blue green algae present at north end of lake, within sediment basin. Abraxis tests yielded no toxins.
18-Jul-17	RPJ	Bass		Surface water temp 78 F, moderate algae on water surface floating towards dam.
18-Jul-17	RPJ	Bass		Surface water temp 78 F, moderate algae on water surface floating towards dam.
18-Jul-17	RPJ	Bass		Surface water temp 78 F, moderate algae on water surface floating towards dam.
18-Jul-17	RPJ	Bass		Surface water temp 78 F, moderate algae on water surface floating towards dam.
07-Jul-17	RPJ	Bass	Good Water clarity for this time of year	Fil. Algae present
07-Jul-17	RPJ	Bass	Good Water clarity for this time of year	Fil. Algae present
07-Jul-17	RPJ	Bass	Good Water clarity for this time of year	Fil. Algae present

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-Jul-17	RDW	Beaver		15:00	RDW-3	48	TRUE	FALSE	0	12	4
22-Jul-17	RDW	Beaver		15:30	RDW-4	78	FALSE	FALSE	0	17	13
22-Jul-17	RDW	Beaver		15:45	RDW-6	84	FALSE	FALSE	1	8	19.6
25-Jul-17	SDP	Lancelot		10:10	SDP-1	78	FALSE	FALSE	0	3	30
25-Jul-17	SDP	Lancelot		10:45	SDP-2	72	FALSE	FALSE	0	3	17
25-Jul-17	SDP	Lancelot		11:09	SDP-3	36	FALSE	FALSE	4	20	5
25-Jul-17	UDB	Camelot		1:00	UDB-1	30	FALSE	FALSE	0	3	35
25-Jul-17	UDB	Camelot		1:25	UDB-2	27	FALSE	FALSE	1	8	27
25-Jul-17	UDB	Camelot		1:45	UDB-3	30	FALSE	FALSE	1	8	16
13-Jul-17	SDP	Lancelot		10:40	SDP-1	64	FALSE	FALSE	0	9	29
13-Jul-17	SDP	Lancelot		10:55	SDP-2	55	FALSE	FALSE	0	8	17
13-Jul-17	SDP	Lancelot		11:35	SDP-3	21	FALSE	TRUE	4	0	5
13-Jul-17	UDB	Camelot		12:45	UDB-1	36	FALSE	FALSE	0	12	36
13-Jul-17	UDB	Camelot		1:10	UDB-2	36	FALSE	FALSE	0	12	27
13-Jul-17	UDB	Camelot		1:33	UDB-3	32	FALSE	FALSE	0	12	12
02-Jun-17	RPJ	Bass	Treatments- 5-26-17, seven locations treated for fil. Algae	9:44	RPJ-1	85	FALSE	FALSE	0	3	12
02-Jun-17	RPJ	Bass	Treatments- 5-26-17, seven locations treated for fil. Algae	9:55	RPJ-2	74	TRUE	FALSE	0	3	6
02-Jun-17	RPJ	Bass	Treatments- 5-26-17, seven locations treated for fil. Algae	10:00	RPJ-3	42	TRUE	FALSE	0	0	3.5
21-Aug-17	RBU	Crystal		10:16	RBU-1	26	FALSE	FALSE	0	2	6
21-Aug-17	RBU	Crystal		10:10	RBU-3	33	FALSE	FALSE	0	8	6
21-Aug-17	RBU	Crystal		10:01	RBU-7	31	FALSE	FALSE	0	12	8
18-Jul-17	RPJ	Bass	Harvesting 7-10-17 - 7-12-17	10:00	RPJ-1	64	FALSE	FALSE	0	3	12
18-Jul-17	RPJ	Bass	Harvesting 7-10-17 - 7-12-17	10:24	RPJ-2	51	FALSE	FALSE	1	3	6.5
18-Jul-17	RPJ	Bass	Harvesting 7-10-17 - 7-12-17	10:30	RPJ-3	39	TRUE	FALSE	3	3	3.5
18-Jul-17	RPJ	Bass	Harvesting 7-10-17 - 7-12-17				FALSE	FALSE			
07-Jul-17	RPJ	Bass	Harvesting 6-23-17 - 7-7-17	7:34	RPJ-1	138	FALSE	FALSE	0	3	12
07-Jul-17	RPJ	Bass	Harvesting 6-23-17 - 7-7-17	8:20	RPJ-2	70	TRUE	FALSE	1	3	6
07-Jul-17	RPJ	Bass	Harvesting 6-23-17 - 7-7-17	8:40	RPJ-3	42	TRUE	TRUE	3		3.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Jun-17	RPJ	Bass		1.00	0.3	Partly Cloudy	Small Waves	WNW	Normal or Full	0
19-Jun-17	RPJ	Bass		1.00	0.3	Partly Cloudy	Small Waves	WNW	Normal or Full	0
19-Jun-17	RPJ	Bass		1.00	0.3	Partly Cloudy	Small Waves	WNW	Normal or Full	0
26-May-17	RPZB	Pine		0.50		Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
26-May-17	RPZB	Pine		0.50		Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
26-May-17	RPZB	Pine		0.50		Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
06-Jun-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	SE	Normal or Full	0
06-Jun-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	SE	Normal or Full	0
06-Jun-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	SE	Normal or Full	0
11-Jul-17	RPM	Woodhaven		1.00		Overcast	Calm/Ripple	S	Normal or Full	0
11-Jul-17	RPM	Woodhaven		1.00		Overcast	Calm/Ripple	S	Normal or Full	0
11-Jul-17	RPM	Woodhaven		1.00		Overcast	Calm/Ripple	S	Normal or Full	0
18-Jul-17	RPM	Woodhaven		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
18-Jul-17	RPM	Woodhaven		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
18-Jul-17	RPM	Woodhaven		1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
07-Jun-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	N	Normal or Full	0
07-Jun-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	N	Normal or Full	0
07-Jun-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	N	Normal or Full	0
26-May-17	RPK	Black Oak	Less Than 5%	0.50	0	Partly Cloudy	Small Waves	SE	Normal or Full	0
26-May-17	RPK	Black Oak	Less Than 5%	0.50	0	Partly Cloudy	Small Waves	SE	Normal or Full	0
26-May-17	RPK	Black Oak	Less Than 5%	0.50	0	Partly Cloudy	Small Waves	SE	Normal or Full	0
19-Jul-17	RPK	Black Oak	5% To 15%	0.50	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
19-Jul-17	RPK	Black Oak	5% To 15%	0.50	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
19-Jul-17	RPK	Black Oak	5% To 15%	0.50	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Jun-17	RPJ	Bass		Surface water temp 77 F, Fil. Algae mats present in some locations and suspended in water
19-Jun-17	RPJ	Bass		Surface water temp 77 F, Fil. Algae mats present in some locations and suspended in water
19-Jun-17	RPJ	Bass		Surface water temp 77 F, Fil. Algae mats present in some locations and suspended in water
26-May-17	RPZB	Pine		heavy rooted vegetation along shore line surface water temp 62 F
26-May-17	RPZB	Pine		heavy rooted vegetation along shore line surface water temp 62 F
26-May-17	RPZB	Pine		heavy rooted vegetation along shore line surface water temp 62 F
06-Jun-17	RPZB	Pine		Fil. Algae along shoreline Surface water temp 68 F
06-Jun-17	RPZB	Pine		Fil. Algae along shoreline Surface water temp 68 F
06-Jun-17	RPZB	Pine		Fil. Algae along shoreline Surface water temp 68 F
11-Jul-17	RPM	Woodhaven	Clarity has dropped noticeably	
11-Jul-17	RPM	Woodhaven	Clarity has dropped noticeably	
11-Jul-17	RPM	Woodhaven	Clarity has dropped noticeably	
18-Jul-17	RPM	Woodhaven		Surface temp 78 F No geese sighted
18-Jul-17	RPM	Woodhaven		Surface temp 78 F No geese sighted
18-Jul-17	RPM	Woodhaven		Surface temp 78 F No geese sighted
07-Jun-17	RPK	Black Oak	Dryer conditons	Surface water temp 70 F some Fil algae clumps floatin on water
07-Jun-17	RPK	Black Oak	Dryer conditons	Surface water temp 70 F some Fil algae clumps floatin on water
07-Jun-17	RPK	Black Oak	Dryer conditons	Surface water temp 70 F some Fil algae clumps floatin on water
26-May-17	RPK	Black Oak		Surface temp 58 F
26-May-17	RPK	Black Oak		Surface temp 58 F
26-May-17	RPK	Black Oak		Surface temp 58 F
19-Jul-17	RPK	Black Oak		Surface Water temp 78 F
19-Jul-17	RPK	Black Oak		Surface Water temp 78 F
19-Jul-17	RPK	Black Oak		Surface Water temp 78 F

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Jun-17	RPJ	Bass	Treatments conducted on 6-2,6-9 Harvesting 6-6 through 6-15	14:00	RPJ-1	82	FALSE	FALSE	0	3	12.5
19-Jun-17	RPJ	Bass	Treatments conducted on 6-2,6-9 Harvesting 6-6 through 6-15	14:23	RPJ-2	72	TRUE	FALSE	1	3	6
19-Jun-17	RPJ	Bass	Treatments conducted on 6-2,6-9 Harvesting 6-6 through 6-15	14:28	RPJ-3	42	TRUE	FALSE	1	20	3.5
26-May-17	RPZB	Pine	Aerator not running	11:25	RPZB-1	70	FALSE	FALSE	0	13	14.5
26-May-17	RPZB	Pine	Aerator not running	11:34	RPZB-2	71	FALSE	FALSE	0	13	8
26-May-17	RPZB	Pine	Aerator not running	11:37	RPZB-3	68	FALSE	FALSE	0	13	8.5
06-Jun-17	RPZB	Pine	Aquatic plant treatment on 5-30-17 Aerator running	14:53	RPZB-1	60	FALSE	FALSE	0	13	15
06-Jun-17	RPZB	Pine	Aquatic plant treatment on 5-30-17 Aerator running	15:00	RPZB-2	62	FALSE	FALSE	0	13	9.5
06-Jun-17	RPZB	Pine	Aquatic plant treatment on 5-30-17 Aerator running	15:03	RPZB-3	59	FALSE	FALSE	1	12	8
11-Jul-17	RPM	Woodhaven	Charity Canada Goose harvest June 27th	10:00	RPM-1	50	FALSE	FALSE	0	3	22.5
11-Jul-17	RPM	Woodhaven	Charity Canada Goose harvest June 27th	10:42	RPM-2	62	FALSE	FALSE	0	15	9
11-Jul-17	RPM	Woodhaven	Charity Canada Goose harvest June 27th	10:30	RPM-3	53	FALSE	FALSE	1	15	9
18-Jul-17	RPM	Woodhaven	Treated back of fringe in section 23/24 on 7/11 using Diquint	08:54	RPM-1	53	FALSE	FALSE	0	3	23.5
18-Jul-17	RPM	Woodhaven	Treated back of fringe in section 23/24 on 7/11 using Diquint	09:28	RPM-2	54	FALSE	FALSE	0	3	9.5
18-Jul-17	RPM	Woodhaven	Treated back of fringe in section 23/24 on 7/11 using Diquint	09:15	RPM-3	58	FALSE	FALSE	0	3	8
07-Jun-17	RPK	Black Oak		10:41	RPK-1	84	TRUE	FALSE	0	20	7.5
07-Jun-17	RPK	Black Oak		10:47	RPK-2	84	TRUE	FALSE	0	20	7
07-Jun-17	RPK	Black Oak		10:53	RPK-3	86	TRUE	FALSE	0	20	7
26-May-17	RPK	Black Oak		10:26	RPK-1	47	FALSE	FALSE	0	3	7.5
26-May-17	RPK	Black Oak		10:35	RPK-2	53	FALSE	FALSE	0	3	7.5
26-May-17	RPK	Black Oak		10:39	RPK-3	52	FALSE	FALSE	0	3	7.5
19-Jul-17	RPK	Black Oak		10:24	RPK-1	38	FALSE	FALSE	0	3	7.5
19-Jul-17	RPK	Black Oak		10:30	RPK-2	33	FALSE	FALSE	1	3	7
19-Jul-17	RPK	Black Oak		10:34	RPK-3	39	FALSE	FALSE	1	3	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
11-Jul-17	RPK	Black Oak	5% To 15%	0.50		Overcast	Calm/Ripple	S	Normal or Full	0
11-Jul-17	RPK	Black Oak	5% To 15%	0.50		Overcast	Calm/Ripple	S	Normal or Full	0
11-Jul-17	RPK	Black Oak	5% To 15%	0.50		Overcast	Calm/Ripple	S	Normal or Full	0
20-Jun-17	RPK	Black Oak	5% To 15%	0.50		Hazy	Calm/Ripple	SW	Normal or Full	0
20-Jun-17	RPK	Black Oak	5% To 15%	0.50		Hazy	Calm/Ripple	SW	Normal or Full	0
20-Jun-17	RPK	Black Oak	5% To 15%	0.50		Hazy	Calm/Ripple	SW	Normal or Full	0
08-May-17	RPM	Woodhaven	5% To 15%	1.00		Partly Cloudy	Small Waves	SE	No Selection	
08-May-17	RPM	Woodhaven	5% To 15%	1.00		Partly Cloudy	Small Waves	SE	No Selection	
08-May-17	RPM	Woodhaven	5% To 15%	1.00		Partly Cloudy	Small Waves	SE	No Selection	
06-Jun-17	RPM	Woodhaven	5% To 15%	1.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
06-Jun-17	RPM	Woodhaven	5% To 15%	1.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
06-Jun-17	RPM	Woodhaven	5% To 15%	1.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
12-May-17	RPK	Black Oak	Less Than 5%	0.50	1.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
12-May-17	RPK	Black Oak	Less Than 5%	0.50	1.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
12-May-17	RPK	Black Oak	Less Than 5%	0.50	1.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
19-Jun-17	RPM	Woodhaven	5% To 15%	1.00	0.3	Partly Cloudy	Small Waves	W	Normal or Full	0
19-Jun-17	RPM	Woodhaven	5% To 15%	1.00	0.3	Partly Cloudy	Small Waves	W	Normal or Full	0
19-Jun-17	RPM	Woodhaven	5% To 15%	1.00	0.3	Partly Cloudy	Small Waves	W	Normal or Full	0
24-Jul-17	REL	Petersburg	Less Than 5%	1.00	0.3	Sunny	Small Waves	E	Below Normal	6
24-Jul-17	REL	Petersburg	Less Than 5%	1.00	0.3	Sunny	Small Waves	E	Below Normal	6
24-Jul-17	REL	Petersburg	Less Than 5%	1.00	0.3	Sunny	Small Waves	E	Below Normal	6
09-Aug-17	REL	Petersburg	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	6
09-Aug-17	REL	Petersburg	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	6
09-Aug-17	REL	Petersburg	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	6
21-Aug-17	REL	Petersburg	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Below Normal	7
21-Aug-17	REL	Petersburg	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Below Normal	7
21-Aug-17	REL	Petersburg	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Below Normal	7

Sample Date	Lake Code	Waterbody	Observations	Other Information
11-Jul-17	RPK	Black Oak		Tufts of rooted vegetation showing up on north end of lake in deeper water
11-Jul-17	RPK	Black Oak		Tufts of rooted vegetation showing up on north end of lake in deeper water
11-Jul-17	RPK	Black Oak		Tufts of rooted vegetation showing up on north end of lake in deeper water
20-Jun-17	RPK	Black Oak		Coontail prdominant along shoreline Surface water temp 74 F Some fil. Algae along shoreline
20-Jun-17	RPK	Black Oak		Coontail prdominant along shoreline Surface water temp 74 F Some fil. Algae along shoreline
20-Jun-17	RPK	Black Oak		Coontail prdominant along shoreline Surface water temp 74 F Some fil. Algae along shoreline
08-May-17	RPM	Woodhaven		fil. Algae present
08-May-17	RPM	Woodhaven		fil. Algae present
08-May-17	RPM	Woodhaven		fil. Algae present
06-Jun-17	RPM	Woodhaven	water clarity excellent	surface water temp 73 F Beaver activity on lake
06-Jun-17	RPM	Woodhaven	water clarity excellent	surface water temp 73 F Beaver activity on lake
06-Jun-17	RPM	Woodhaven	water clarity excellent	surface water temp 73 F Beaver activity on lake
12-May-17	RPK	Black Oak		Some fil. Algae along shorelines
12-May-17	RPK	Black Oak		Some fil. Algae along shorelines
12-May-17	RPK	Black Oak		Some fil. Algae along shorelines
19-Jun-17	RPM	Woodhaven		Surface water temp 77 F
19-Jun-17	RPM	Woodhaven		Surface water temp 77 F
19-Jun-17	RPM	Woodhaven		Surface water temp 77 F
24-Jul-17	REL	Petersburg	N/A	N/A
24-Jul-17	REL	Petersburg	N/A	N/A
24-Jul-17	REL	Petersburg	N/A	N/A
09-Aug-17	REL	Petersburg	N/A	N/A
09-Aug-17	REL	Petersburg	N/A	N/A
09-Aug-17	REL	Petersburg	N/A	N/A
21-Aug-17	REL	Petersburg	N/A	N/A
21-Aug-17	REL	Petersburg	N/A	N/A
21-Aug-17	REL	Petersburg	N/A	N/A

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
11-Jul-17	RPK	Black Oak		14:00	RPK-1	63	FALSE	FALSE	0	3	7.5
11-Jul-17	RPK	Black Oak		14:06	RPK-2	48	FALSE	FALSE	0	15	7
11-Jul-17	RPK	Black Oak		14:11	RPK-3	56	FALSE	FALSE	0	3	7
20-Jun-17	RPK	Black Oak	Coontail out in middle of lake, rake pull	09:56	RPK-1	44	FALSE	FALSE	1	3	7.5
20-Jun-17	RPK	Black Oak	Coontail out in middle of lake, rake pull	09:49	RPK-2	46	FALSE	FALSE	1	3	7.5
20-Jun-17	RPK	Black Oak	Coontail out in middle of lake, rake pull	09:36	RPK-3	47	FALSE	FALSE	1	3	7.5
08-May-17	RPM	Woodhaven		13:00	RPM-1	128	FALSE	FALSE	0	13	28.5
08-May-17	RPM	Woodhaven		13:57	RPM-2	96	TRUE	FALSE	0		9.5
08-May-17	RPM	Woodhaven		13:45	RPM-3	96	TRUE	FALSE	0		9
06-Jun-17	RPM	Woodhaven	Spot treatment for vegetation on 5/31. # areas using Diquant and Cutrine Ultura	13:52	RPM-1	111	FALSE	FALSE	0	12	24.5
06-Jun-17	RPM	Woodhaven	Spot treatment for vegetation on 5/31. # areas using Diquant and Cutrine Ultura	14:22	RPM-2	91	TRUE	FALSE	1	3	8
06-Jun-17	RPM	Woodhaven	Spot treatment for vegetation on 5/31. # areas using Diquant and Cutrine Ultura	14:16	RPM-3	80	TRUE	FALSE	1	3	7
12-May-17	RPK	Black Oak		11:33	RPK-1	39	FALSE	FALSE	0	12	7.5
12-May-17	RPK	Black Oak		11:48	RPK-2	41	FALSE	FALSE	0	12	7.5
12-May-17	RPK	Black Oak		11:58	RPK-3	36	FALSE	FALSE	0	12	7.5
19-Jun-17	RPM	Woodhaven		13:30	RPM-1	78	FALSE	FALSE	0	3	23
19-Jun-17	RPM	Woodhaven		12:30	RPM-2	77	FALSE	FALSE	1	3	10
19-Jun-17	RPM	Woodhaven		12:57	RPM-3	80	FALSE	FALSE	1	3	7.5
24-Jul-17	REL	Petersburg	N/A	09:25	REL-1	77	FALSE	FALSE	0	8	57.5
24-Jul-17	REL	Petersburg	N/A	09:45	REL-2	75	FALSE	FALSE	0	8	43
24-Jul-17	REL	Petersburg	N/A	10:00	REL-3	65	FALSE	FALSE	0	8	28.5
09-Aug-17	REL	Petersburg	N/A	09:28	REL-1	68	FALSE	FALSE	0	17	55
09-Aug-17	REL	Petersburg	N/A	09:45	REL-2	74	FALSE	FALSE	0	17	30
09-Aug-17	REL	Petersburg	N/A	10:00	REL-3	60	FALSE	FALSE	0	8	28
21-Aug-17	REL	Petersburg	N/A	10:02	REL-1	80	FALSE	FALSE	0	8	60
21-Aug-17	REL	Petersburg	N/A	10:12	REL-2	78	FALSE	FALSE	0	8	44
21-Aug-17	REL	Petersburg	N/A	10:24	REL-3	72	FALSE	FALSE	0	17	28.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
21-Aug-17	RGZB	Hastings		3.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
21-Aug-17	RGZB	Hastings		3.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
19-Jul-17	RPL	Sunset		0.50	0	Partly Cloudy	Calm/Ripple	WSW	Normal or Full	0
19-Jul-17	RPL	Sunset		0.50	0	Partly Cloudy	Calm/Ripple	WSW	Normal or Full	0
19-Jul-17	RPL	Sunset		0.50	0	Partly Cloudy	Calm/Ripple	WSW	Normal or Full	0
11-Jul-17	RPL	Sunset		0.50		Overcast	Calm/Ripple	Calm	Normal or Full	0
11-Jul-17	RPL	Sunset		0.50		Overcast	Calm/Ripple	Calm	Normal or Full	0
11-Jul-17	RPL	Sunset		0.50		Overcast	Calm/Ripple	Calm	Normal or Full	0
20-Jun-17	RPZB	Pine		0.50		Sunny	Small Waves	WSW	Normal or Full	0
20-Jun-17	RPZB	Pine		0.50		Sunny	Small Waves	WSW	Normal or Full	0
20-Jun-17	RPZB	Pine		0.50		Sunny	Small Waves	WSW	Normal or Full	0
11-Jul-17	RPZB	Pine		0.50		Sunny	Calm/Ripple	Calm	Normal or Full	0
11-Jul-17	RPZB	Pine		0.50		Sunny	Calm/Ripple	Calm	Normal or Full	0
11-Jul-17	RPZB	Pine		0.50		Sunny	Calm/Ripple	Calm	Normal or Full	0
19-Jul-17	RPZB	Pine		0.50		Partly Cloudy	Calm/Ripple	WSW	Normal or Full	0
19-Jul-17	RPZB	Pine		0.50		Partly Cloudy	Calm/Ripple	WSW	Normal or Full	0
19-Jul-17	RPZB	Pine		0.50		Partly Cloudy	Calm/Ripple	WSW	Normal or Full	0
12-May-17	RPL	Sunset	Less Than 5%	0.50	1.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
12-May-17	RPL	Sunset	Less Than 5%	0.50	1.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
12-May-17	RPL	Sunset	Less Than 5%	0.50	1.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
26-May-17	RPL	Sunset		0.50		Partly Cloudy	Small Waves	SSE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
21-Aug-17	RGZB	Hastings		
21-Aug-17	RGZB	Hastings		
19-Jul-17	RPL	Sunset	Plankton Bloom	surface water temp 83 F
19-Jul-17	RPL	Sunset	Plankton Bloom	surface water temp 83 F
19-Jul-17	RPL	Sunset	Plankton Bloom	surface water temp 83 F
11-Jul-17	RPL	Sunset	Clarity has noticeably decreased	some fil. Algae along shoreline
11-Jul-17	RPL	Sunset	Clarity has noticeably decreased	some fil. Algae along shoreline
11-Jul-17	RPL	Sunset	Clarity has noticeably decreased	some fil. Algae along shoreline
20-Jun-17	RPZB	Pine		surface water temp 77 F some fil. Algae mats along shoreline
20-Jun-17	RPZB	Pine		surface water temp 77 F some fil. Algae mats along shoreline
20-Jun-17	RPZB	Pine		surface water temp 77 F some fil. Algae mats along shoreline
11-Jul-17	RPZB	Pine	Clarity has noticeably decreased	cloudy brownish color beneath waster, ex. Site 1
11-Jul-17	RPZB	Pine	Clarity has noticeably decreased	cloudy brownish color beneath waster, ex. Site 1
11-Jul-17	RPZB	Pine	Clarity has noticeably decreased	cloudy brownish color beneath waster, ex. Site 1
19-Jul-17	RPZB	Pine		surface water temp 81 F Watermeal spreadout across water surface lightly aome fil.algae along shoreline
19-Jul-17	RPZB	Pine		surface water temp 81 F Watermeal spreadout across water surface lightly aome fil.algae along shoreline
19-Jul-17	RPZB	Pine		surface water temp 81 F Watermeal spreadout across water surface lightly aome fil.algae along shoreline
12-May-17	RPL	Sunset		fil. Algae along shorelines
12-May-17	RPL	Sunset		fil. Algae along shorelines
12-May-17	RPL	Sunset		fil. Algae along shorelines
26-May-17	RPL	Sunset		surface temp 61 F

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
21-Aug-17	RGZB	Hastings		10:00	RGZB-1	45	FALSE	FALSE	0	13	26.5
21-Aug-17	RGZB	Hastings		09:45	RGZB-3	41	FALSE	FALSE	0	13	14.5
19-Jul-17	RPL	Sunset	Aerator off	09:56	RPL-1	21	FALSE	FALSE	0	8	7.5
19-Jul-17	RPL	Sunset	Aerator off	10:05	RPL-2	18	FALSE	FALSE	0	8	7
19-Jul-17	RPL	Sunset	Aerator off	10:10	RPL-3	19	FALSE	FALSE	0	8	7
11-Jul-17	RPL	Sunset	treatment along north and south shorelines using Cutrine Granular on 6/20/17	13:30	RPL-1	43	FALSE	FALSE	0	3	7
11-Jul-17	RPL	Sunset	treatment along north and south shorelines using Cutrine Granular on 6/20/17	13:34	RPL-2	42	FALSE	FALSE	0	3	7
11-Jul-17	RPL	Sunset	treatment along north and south shorelines using Cutrine Granular on 6/20/17	13:39	RPL-3	42	FALSE	FALSE	0	3	7
20-Jun-17	RPZB	Pine	Harvesting 6/15/17	11:09	RPZB-1	52	FALSE	FALSE	0	13	16
20-Jun-17	RPZB	Pine	Harvesting 6/15/17	11:15	RPZB-2	43	FALSE	FALSE	0	13	8.5
20-Jun-17	RPZB	Pine	Harvesting 6/15/17	11:25	RPZB-3	46	FALSE	FALSE	0	13	8.5
11-Jul-17	RPZB	Pine		11:25	RPZB-1	24	FALSE	FALSE	0	15	13.5
11-Jul-17	RPZB	Pine		11:31	RPZB-2	39	FALSE	FALSE	0	12	8
11-Jul-17	RPZB	Pine		11:35	RPZB-3	55	FALSE	FALSE	0	13	8.5
19-Jul-17	RPZB	Pine	Treated for watermeal and duckweed along East shoreline 7/14/17	09:25	RPZB-1	57	FALSE	FALSE	0	12	14.5
19-Jul-17	RPZB	Pine	Treated for watermeal and duckweed along East shoreline 7/14/17	09:34	RPZB-2	54	FALSE	FALSE	0	12	9.5
19-Jul-17	RPZB	Pine	Treated for watermeal and duckweed along East shoreline 7/14/17	09:38	RPZB-3	51	FALSE	FALSE	0	12	8.5
12-May-17	RPL	Sunset	shorline treatment on fil. Algae on 4/24/17 using Cutrine Granular	10:06	RPL-1	56	FALSE	FALSE	0	12	7.5
12-May-17	RPL	Sunset	shorline treatment on fil. Algae on 4/24/17 using Cutrine Granular	09:52	RPL-2	60	FALSE	FALSE	0	13	7
12-May-17	RPL	Sunset	shorline treatment on fil. Algae on 4/24/17 using Cutrine Granular	09:45	RPL-3	60	FALSE	FALSE	0	13	7
26-May-17	RPL	Sunset	no aerator running Treated for fil.algae along entire shorline on 5/12/17 Granular Cutrine	10:57	RPL-1	67	FALSE	FALSE	0	12	7.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-May-17	RPL	Sunset		0.50		Partly Cloudy	Small Waves	SSE	Normal or Full	0
26-May-17	RPL	Sunset		0.50		Partly Cloudy	Small Waves	SSE	Normal or Full	0
07-Jun-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	N	Normal or Full	0
07-Jun-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	N	Normal or Full	0
07-Jun-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	N	Normal or Full	0
20-Jun-17	RPL	Sunset		0.50		Sunny	Calm/Ripple	SW	Normal or Full	0
20-Jun-17	RPL	Sunset		0.50		Sunny	Calm/Ripple	SW	Normal or Full	0
20-Jun-17	RPL	Sunset		0.50		Sunny	Calm/Ripple	SW	Normal or Full	0
13-Jul-17	RMM	Galena		4.00	2.18	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
13-Jul-17	RMM	Galena		4.00	2.18	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
13-Jul-17	RMM	Galena		4.00	2.18	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
12-Jul-17	SDA	Evergreen	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	S	Above Normal	7
12-Jul-17	SDA	Evergreen	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	S	Above Normal	7
12-Jul-17	SDA	Evergreen	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	S	Above Normal	7
12-Jul-17	SDA	Evergreen	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	S	Above Normal	7
17-Jul-17	RLH	Fyre	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
17-Jul-17	RLH	Fyre	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
17-Jul-17	RLH	Fyre	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
11-Jul-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Overcast	Small Waves	NW	Below Normal	2.5
11-Jul-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Overcast	Small Waves	NW	Below Normal	2.5
11-Jul-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Overcast	Small Waves	NW	Below Normal	2.5
11-Jul-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Small Waves	NW	Below Normal	5
11-Jul-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Small Waves	NW	Below Normal	5
11-Jul-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Small Waves	NW	Below Normal	5
13-Jul-17	SDQ	Thunderbird	Less Than 5%	4.00	0.5	Overcast	Calm/Ripple	W	Above Normal	2
13-Jul-17	SDQ	Thunderbird	Less Than 5%	4.00	0.5	Overcast	Calm/Ripple	W	Above Normal	2
13-Jul-17	SDQ	Thunderbird	Less Than 5%	4.00	0.5	Overcast	Calm/Ripple	W	Above Normal	2
27-Jun-17	RPI	Summerset		1.00	0	Sunny	Small Waves	WSW	Normal or Full	0
27-Jun-17	RPI	Summerset		1.00	0	Sunny	Small Waves	WSW	Normal or Full	0
27-Jun-17	RPI	Summerset		1.00	0	Sunny	Small Waves	WSW	Normal or Full	0
14-Aug-17	RDI	Jacksonville	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	8
14-Aug-17	RDI	Jacksonville	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	8

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-May-17	RPL	Sunset		surface temp 61 F
26-May-17	RPL	Sunset		surface temp 61 F
07-Jun-17	RPL	Sunset	Dry	shoreline vegetation (littoral zone)
07-Jun-17	RPL	Sunset	Dry	shoreline vegetation (littoral zone)
07-Jun-17	RPL	Sunset	Dry	shoreline vegetation (littoral zone)
20-Jun-17	RPL	Sunset		surface water temp 75 F
20-Jun-17	RPL	Sunset		surface water temp 75 F
20-Jun-17	RPL	Sunset		surface water temp 75 F
13-Jul-17	RMM	Galena		
13-Jul-17	RMM	Galena		
13-Jul-17	RMM	Galena		
12-Jul-17	SDA	Evergreen		
12-Jul-17	SDA	Evergreen		
12-Jul-17	SDA	Evergreen		
12-Jul-17	SDA	Evergreen		
17-Jul-17	RLH	Fyre		
17-Jul-17	RLH	Fyre		
17-Jul-17	RLH	Fyre		
11-Jul-17	SDL	Mauvaise Terre		
11-Jul-17	SDL	Mauvaise Terre		
11-Jul-17	SDL	Mauvaise Terre		
11-Jul-17	RDI	Jacksonville		
11-Jul-17	RDI	Jacksonville		
11-Jul-17	RDI	Jacksonville		
13-Jul-17	SDQ	Thunderbird		
13-Jul-17	SDQ	Thunderbird		
13-Jul-17	SDQ	Thunderbird		
27-Jun-17	RPI	Summerset		
27-Jun-17	RPI	Summerset		
27-Jun-17	RPI	Summerset		
14-Aug-17	RDI	Jacksonville		
14-Aug-17	RDI	Jacksonville		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-May-17	RPL	Sunset	no aerator running Treated for fil.algae along entire shoreline on 5/12/17 Granular Cutrine	11:03	RPL-2	70	FALSE	FALSE	0	12	7.5
26-May-17	RPL	Sunset	no aerator running Treated for fil.algae along entire shoreline on 5/12/17 Granular Cutrine	11:06	RPL-3	67	FALSE	FALSE	0	12	7.5
07-Jun-17	RPL	Sunset	shoreline treatment north and south end 5/31/17 Aerator running	10:17	RPL-1	75	TRUE	FALSE	0	12	7
07-Jun-17	RPL	Sunset	shoreline treatment north and south end 5/31/17 Aerator running	10:08	RPL-2	59	FALSE	FALSE	1	12	7
07-Jun-17	RPL	Sunset	shoreline treatment north and south end 5/31/17 Aerator running	10:00	RPL-3	56	FALSE	FALSE	0	12	7
20-Jun-17	RPL	Sunset		10:22	RPL-1	40	FALSE	FALSE	0	12	7.5
20-Jun-17	RPL	Sunset		10:29	RPL-2	38	FALSE	FALSE	1	12	7
20-Jun-17	RPL	Sunset		10:34	RPL-3	44	FALSE	FALSE	1	12	7
13-Jul-17	RMM	Galena	Weed harvesting	09:35	RMM-1	48	FALSE	FALSE	0	12	36
13-Jul-17	RMM	Galena	Weed harvesting	10:05	RMM-2	47	FALSE	FALSE	0	12	24
13-Jul-17	RMM	Galena	Weed harvesting	10:25	RMM-3	21	FALSE	FALSE	2		5
12-Jul-17	SDA	Evergreen		11:10	SDA-1	42	FALSE	FALSE	0	9	44
12-Jul-17	SDA	Evergreen		11:55	SDA-2	20	FALSE	FALSE	1	9	9
12-Jul-17	SDA	Evergreen		11:50	SDA-3	14	FALSE	FALSE	0	10	11
12-Jul-17	SDA	Evergreen		11:33	SDA-4	36	FALSE	FALSE	0	9	32
17-Jul-17	RLH	Fyre		14:30	RLH-1	90	FALSE	FALSE	0	12	
17-Jul-17	RLH	Fyre		14:45	RLH-2	96	FALSE	FALSE	0	12	
17-Jul-17	RLH	Fyre		15:00	RLH-3	88	FALSE	FALSE	1	12	
11-Jul-17	SDL	Mauvaise Terre		10:05	SDL-1	13	FALSE	FALSE	0	14	7
11-Jul-17	SDL	Mauvaise Terre		10:16	SDL-2	13	FALSE	FALSE	0	14	12
11-Jul-17	SDL	Mauvaise Terre		10:25	SDL-3	9	FALSE	FALSE	0	14	7
11-Jul-17	RDI	Jacksonville		8:50	RDI-1	52	FALSE	FALSE	0	17	33
11-Jul-17	RDI	Jacksonville		9:17	RDI-2	42	FALSE	FALSE	0	17	19
11-Jul-17	RDI	Jacksonville		9:29	RDI-3	28	FALSE	FALSE	0	12	9
13-Jul-17	SDQ	Thunderbird		13:20	SDQ-1	51	FALSE	FALSE	0	8	35
13-Jul-17	SDQ	Thunderbird		13:05	SDQ-2	46	FALSE	FALSE	0	8	38.6
13-Jul-17	SDQ	Thunderbird		13:56	SDQ-3	34	FALSE	FALSE	0	8	12.6
27-Jun-17	RPI	Summerset	Weed harvesting	15:50	RPI-1	54	FALSE	FALSE		17	32
27-Jun-17	RPI	Summerset	Weed harvesting	15:20	RPI-2	54	FALSE	FALSE		8	22
27-Jun-17	RPI	Summerset	Weed harvesting	14:45	RPI-3	54	FALSE	FALSE		12	12
14-Aug-17	RDI	Jacksonville		08:10	RDI-1	25	FALSE	FALSE	0	12	33
14-Aug-17	RDI	Jacksonville		08:34	RDI-2	25	FALSE	FALSE	0	12	21

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Aug-17	RDI	Jacksonville	Less Than 5%	3.00	0	Sunny	Calm/Ripple	SW	Below Normal	8
14-Aug-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	6
14-Aug-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	6
14-Aug-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	6
18-Aug-17	SEB	Bird's Pond		4.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
05-Jul-17	RDW	Beaver	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Normal or Full	0
05-Jul-17	RDW	Beaver	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Normal or Full	0
05-Jul-17	RDW	Beaver	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Normal or Full	0
05-Jul-17	RDW	Beaver	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Normal or Full	0
05-Jul-17	RDW	Beaver	Less Than 5%	1.00	0	Overcast	Calm/Ripple	NW	Normal or Full	0
16-Jul-17	UDH	Sunset	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	Calm	Below Normal	3
16-Jul-17	UDH	Sunset	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	Calm	Below Normal	3
16-Jul-17	UDH	Sunset	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	Calm	Below Normal	3
15-Aug-17	REE	Dawson	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	7
15-Aug-17	REE	Dawson	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	7
15-Aug-17	REE	Dawson	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	7
09-Aug-17	RGW	Third	No Selection	2.00	0.01	Partly Cloudy	Small Waves	W	Normal or Full	0
09-Aug-17	RGW	Third	No Selection	2.00	0.01	Partly Cloudy	Small Waves	W	Normal or Full	0
09-Aug-17	RGW	Third	No Selection	2.00	0.01	Partly Cloudy	Small Waves	W	Normal or Full	0
23-Aug-17	RGW	Third	No Selection	2.00	0.05	Sunny	Small Waves	N	Normal or Full	0
23-Aug-17	RGW	Third	No Selection	2.00	0.05	Sunny	Small Waves	N	Normal or Full	0
23-Aug-17	RGW	Third	No Selection	2.00	0.05	Sunny	Small Waves	N	Normal or Full	0
16-Aug-17	RCE	Sara	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	13
16-Aug-17	RCE	Sara	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	13
16-Aug-17	RCE	Sara	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	13
23-Aug-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	N	Below Normal	0.6
23-Aug-17	RTW	Silver		6.00	0	Sunny	Calm/Ripple	NE	Above Normal	1.5
23-Aug-17	RTW	Silver		6.00	0	Sunny	Calm/Ripple	NE	Above Normal	1.5

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Aug-17	RDI	Jacksonville		
14-Aug-17	SDL	Mauvaise Terre		
14-Aug-17	SDL	Mauvaise Terre		
14-Aug-17	SDL	Mauvaise Terre		
18-Aug-17	SEB	Bird's Pond		
05-Jul-17	RDW	Beaver		
05-Jul-17	RDW	Beaver		
05-Jul-17	RDW	Beaver		
05-Jul-17	RDW	Beaver		
05-Jul-17	RDW	Beaver		
16-Jul-17	UDH	Sunset		
16-Jul-17	UDH	Sunset		
16-Jul-17	UDH	Sunset		
15-Aug-17	REE	Dawson	Water temp 90.6 F Wind 8mph	
15-Aug-17	REE	Dawson	Water temp 90.6 F Wind 8mph	
15-Aug-17	REE	Dawson	Water temp 90.6 F Wind 8mph	
09-Aug-17	RGW	Third		
09-Aug-17	RGW	Third		
09-Aug-17	RGW	Third		
23-Aug-17	RGW	Third		
23-Aug-17	RGW	Third		
23-Aug-17	RGW	Third		
16-Aug-17	RCE	Sara		
16-Aug-17	RCE	Sara		
16-Aug-17	RCE	Sara		
23-Aug-17	RND	Murphysboro	None	None
23-Aug-17	RTW	Silver	Nice with cooler temps today.	Boating, ducks, geese, heron. Dense weeds in S/W bay with covering of algae.
23-Aug-17	RTW	Silver	Nice with cooler temps today.	Boating, ducks, geese, heron. Dense weeds in S/W bay with covering of algae.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Aug-17	RDI	Jacksonville		08:48	RDI-3	15	FALSE	FALSE	0	12	9
14-Aug-17	SDL	Mauvaise Terre		09:20	SDL-1	15	FALSE	FALSE	0	14	7
14-Aug-17	SDL	Mauvaise Terre		09:33	SDL-2	17	FALSE	FALSE	0		12
14-Aug-17	SDL	Mauvaise Terre		09:42	SDL-3	15	FALSE	FALSE	0		10
18-Aug-17	SEB	Bird's Pond	ph-7.5 alk 120ppm Th 120ppm PO4 100ppb	09:15	SEB-1	18	FALSE	FALSE	0	8	13
05-Jul-17	RDW	Beaver		13:25	RDW-1	120	FALSE	FALSE	1	8	23
05-Jul-17	RDW	Beaver		14:00	RDW-2	96	FALSE	FALSE	1	8	19.6
05-Jul-17	RDW	Beaver		13:45	RDW-3	24	FALSE	FALSE	0	12	4
05-Jul-17	RDW	Beaver		13:15	RDW-4	78	FALSE	FALSE	0	8	13
05-Jul-17	RDW	Beaver		13:00	RDW-6	103	FALSE	FALSE	0	6	20.3
16-Jul-17	UDH	Sunset		09:00	UDH-1	24	FALSE	FALSE	0	14	30
16-Jul-17	UDH	Sunset		08:38	UDH-2	26	FALSE	FALSE	0	14	15
16-Jul-17	UDH	Sunset		08:45	UDH-3	27	FALSE	FALSE	0	14	12
15-Aug-17	REE	Dawson		11:00	REE-1	22	FALSE	FALSE	0	12	21.7
15-Aug-17	REE	Dawson		10:55	REE-2	21	FALSE	FALSE	0	12	11.7
15-Aug-17	REE	Dawson		10:44	REE-3	23	FALSE	FALSE	0	12	6.5
09-Aug-17	RGW	Third		11:28	RGW-1	48	FALSE	FALSE	-1	12	66
09-Aug-17	RGW	Third		11:40	RGW-2	49	FALSE	FALSE	-1	12	27
09-Aug-17	RGW	Third		11:50	RGW-3	40	FALSE	FALSE	-1	12	18
23-Aug-17	RGW	Third		10:16	RGW-1	62	FALSE	FALSE	-1	12	64
23-Aug-17	RGW	Third		10:29	RGW-2	60	FALSE	FALSE	-1	12	27
23-Aug-17	RGW	Third		10:39	RGW-3	60	FALSE	FALSE	-1	12	16
16-Aug-17	RCE	Sara		11:17	RCE-1	42	FALSE	FALSE	0	0	45
16-Aug-17	RCE	Sara		11:25	RCE-2	40	FALSE	FALSE	0	0	35
16-Aug-17	RCE	Sara		11:36	RCE-3	30	FALSE	FALSE	0	0	18
23-Aug-17	RND	Murphysboro	None	12:10	RND-1	31	FALSE	FALSE	0	13	6
23-Aug-17	RTW	Silver	400 feet of aeration. BP = 734 Surface temp = 75.2 F - D.O.= 9.8 Bottom temp = 76.8 F - D.O.= 9.5	07:33	RTW-1	132	FALSE	FALSE	1	12	15.5
23-Aug-17	RTW	Silver	400 feet of aeration. BP = 734 Surface temp = 75.2 F - D.O.= 9.8 Bottom temp = 76.8 F - D.O.= 9.5	07:48	RTW-2	114	FALSE	TRUE	2	12	9.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
23-Aug-17	RTW	Silver		6.00	0	Sunny	Calm/Ripple	NE	Above Normal	1.5
22-Aug-17	WGZY	Swan	Less Than 5%	2.00	0.75	Overcast	Calm/Ripple	W	Above Normal	0.72
22-Aug-17	WGZY	Swan	Less Than 5%	2.00	0.75	Overcast	Calm/Ripple	W	Above Normal	0.72
07-Aug-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
07-Aug-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
07-Aug-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
21-Aug-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
21-Aug-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
21-Aug-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	REF	Springfield		6.00	0.3	Partly Cloudy	Small Waves	W	Above Normal	1.4
15-Jun-17	REF	Springfield		6.00	0.3	Partly Cloudy	Small Waves	W	Above Normal	1.4
15-Jun-17	REF	Springfield		6.00	0.3	Partly Cloudy	Small Waves	W	Above Normal	1.4
15-Jun-17	REF	Springfield		6.00	0.3	Partly Cloudy	Small Waves	W	Above Normal	1.4
15-Jun-17	REF	Springfield		6.00	0.3	Partly Cloudy	Small Waves	W	Above Normal	1.4
27-Jun-17	REF	Springfield		6.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
27-Jun-17	REF	Springfield		6.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
27-Jun-17	REF	Springfield		6.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
27-Jun-17	REF	Springfield		6.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
27-Jun-17	REF	Springfield		6.00	0	Sunny	Calm/Ripple	SW	Above Normal	2
15-Aug-17	RGR	Charles	Less Than 5%	5.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	3.25

Sample Date	Lake Code	Waterbody	Observations	Other Information
23-Aug-17	RTW	Silver	Nice with cooler temps today.	Boating, ducks, geese, heron. Dense weeds in S/W bay with covering of algae.
22-Aug-17	WGZY	Swan	No Spatterdock present around southeast island.	Filamentous green algae, Wolffia, very little blue-green algae. HAB samples taken by HH.
22-Aug-17	WGZY	Swan	No Spatterdock present around southeast island.	Filamentous green algae, Wolffia, very little blue-green algae. HAB samples taken by HH.
07-Aug-17	RMJ	Apple Canyon	on 7/21 & 7/22/17 the lake and surrounding area had about 10" of rain. There was severe flooding & the lake was closed to all boating for two weeks.	Due to flooding no lake monitoring was preformed the last part of July.
07-Aug-17	RMJ	Apple Canyon	on 7/21 & 7/22/17 the lake and surrounding area had about 10" of rain. There was severe flooding & the lake was closed to all boating for two weeks.	Due to flooding no lake monitoring was preformed the last part of July.
07-Aug-17	RMJ	Apple Canyon	on 7/21 & 7/22/17 the lake and surrounding area had about 10" of rain. There was severe flooding & the lake was closed to all boating for two weeks.	Due to flooding no lake monitoring was preformed the last part of July.
21-Aug-17	RMJ	Apple Canyon	Lake clean up (log removal) after flooding on 7/22/17	
21-Aug-17	RMJ	Apple Canyon	Lake clean up (log removal) after flooding on 7/22/17	
21-Aug-17	RMJ	Apple Canyon	Lake clean up (log removal) after flooding on 7/22/17	
15-Jun-17	REF	Springfield		
15-Jun-17	REF	Springfield		
15-Jun-17	REF	Springfield		
15-Jun-17	REF	Springfield		
15-Jun-17	REF	Springfield		
27-Jun-17	REF	Springfield		
27-Jun-17	REF	Springfield		
27-Jun-17	REF	Springfield		
27-Jun-17	REF	Springfield		
27-Jun-17	REF	Springfield		
15-Aug-17	RGR	Charles		egret, cormorant, frogs, blue gill, green heron, crappie, tern, waterwillow, pickerel, bullrush, leafy pondweed, filamentous, blue-green, spirogyra

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
23-Aug-17	RTW	Silver	400 feet of aeration. BP = 734 Surface temp = 75.2 F - D.O.= 9.8 Bottom temp = 76.8 F - D.O.= 9.5	07:58	RTW-3	48	FALSE	TRUE	3	12	5
22-Aug-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	11:22	WGZY-1	45	FALSE	FALSE	0	12	11.5
22-Aug-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	10:45	WGZY-2	45	FALSE	FALSE	0	12	11
07-Aug-17	RMJ	Apple Canyon		08:15	RMJ-1	51	FALSE	FALSE	0	0	46
07-Aug-17	RMJ	Apple Canyon		08:45	RMJ-2	42	FALSE	FALSE	0	0	42
07-Aug-17	RMJ	Apple Canyon		09:20	RMJ-3	19	FALSE	FALSE	1	0	11
21-Aug-17	RMJ	Apple Canyon		07:50	RMJ-1	54	FALSE	FALSE	0	0	54
21-Aug-17	RMJ	Apple Canyon		08:20	RMJ-2	57	FALSE	FALSE	0	0	57
21-Aug-17	RMJ	Apple Canyon		08:45	RMJ-3	29	FALSE	FALSE	1	0	11
15-Jun-17	REF	Springfield		09:40	REF-1	36	FALSE	FALSE	0	12	23.5
15-Jun-17	REF	Springfield		10:00	REF-2	21	FALSE	FALSE	0	12	18
15-Jun-17	REF	Springfield		10:13	REF-3	21	FALSE	FALSE	0	12	10.5
15-Jun-17	REF	Springfield		10:23	REF-5	15	FALSE	FALSE	0	14	6.5
15-Jun-17	REF	Springfield		10:41	REF-6	14	FALSE	FALSE	0	13	7.5
27-Jun-17	REF	Springfield		10:25	REF-1	20	FALSE	FALSE	0	3	22.5
27-Jun-17	REF	Springfield		10:47	REF-2	15	FALSE	FALSE	0	13	18
27-Jun-17	REF	Springfield		10:59	REF-3	14	FALSE	FALSE	0	13	10.5
27-Jun-17	REF	Springfield		11:08	REF-5	10	FALSE	FALSE	0	12	7.5
27-Jun-17	REF	Springfield		11:28	REF-6	12	FALSE	FALSE	0	12	7
15-Aug-17	RGR	Charles	25July2017:DO=9.3, 5 gal cutrine ultra, 4 gal black onyx; 8Aug2017: DO=8.9,7.5 gal cutrine ultra; 13 aerators on; 1-S:9.62pH,80.1F,526ms,261ppm; 1-16:8.50pH,76.0F,537ms,268ppm; 2-S:9.34pH,82.6F,533ms,266ppm; 2-4:9.19pH,78.2F,527ms,264ppm; 3-S:9.45pH,79.4F,531ms,265ppm; 3-3:9.48pH,78.0F,530ms,266ppm;	15:49	RGR-1	28	FALSE	FALSE	0	12	18

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
15-Aug-17	RGR	Charles	Less Than 5%	5.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	3.25
15-Aug-17	RGR	Charles	Less Than 5%	5.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	3.25
25-Aug-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	S	Below Normal	3
25-Aug-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	S	Below Normal	3
25-Aug-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	S	Below Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
15-Aug-17	RGR	Charles		egret, cormorant, frogs, blue gill, green heron, crappie, tern, waterwillow, pickerel, bullrush, leafy pondweed, filamentous, blue-green, spirogyra
15-Aug-17	RGR	Charles		egret, cormorant, frogs, blue gill, green heron, crappie, tern, waterwillow, pickerel, bullrush, leafy pondweed, filamentous, blue-green, spirogyra
25-Aug-17	RGR	Charles	cool & dry	blue-green,flock of mallards, crappie, frogs, GB heron, at least 21 separate purple loosestrife sites on the Eastern Shoreline alone, 14 aerators on (missing beach and 1 south of site 1), aerator in the neck has very weak flow, pickerel, waterwillow, bullrush, cattail, leafy pondweed, waterwillow and pickerel is spreading around the lake!!
25-Aug-17	RGR	Charles	cool & dry	blue-green,flock of mallards, crappie, frogs, GB heron, at least 21 separate purple loosestrife sites on the Eastern Shoreline alone, 14 aerators on (missing beach and 1 south of site 1), aerator in the neck has very weak flow, pickerel, waterwillow, bullrush, cattail, leafy pondweed, waterwillow and pickerel is spreading around the lake!!
25-Aug-17	RGR	Charles	cool & dry	blue-green,flock of mallards, crappie, frogs, GB heron, at least 21 separate purple loosestrife sites on the Eastern Shoreline alone, 14 aerators on (missing beach and 1 south of site 1), aerator in the neck has very weak flow, pickerel, waterwillow, bullrush, cattail, leafy pondweed, waterwillow and pickerel is spreading around the lake!!

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
15-Aug-17	RGR	Charles	25July2017:DO=9.3, 5 gal cutrine ultra, 4 gal black onyx; 8Aug2017: DO=8.9,7.5 gal cutrine ultra; 13 aerators on; 1-S:9.62pH,80.1F,526ms,261ppm; 1-16:8.50pH,76.0F,537ms,268ppm; 2-S:9.34pH,82.6F,533ms,266ppm; 2-4:9.19pH,78.2F,527ms,264ppm; 3-S:9.45pH,79.4F,531ms,265ppm; 3-3:9.48pH,78.0F,530ms,266ppm;	14:27	RGR-2	29	FALSE	FALSE	0	8	6.5
15-Aug-17	RGR	Charles	25July2017:DO=9.3, 5 gal cutrine ultra, 4 gal black onyx; 8Aug2017: DO=8.9,7.5 gal cutrine ultra; 13 aerators on; 1-S:9.62pH,80.1F,526ms,261ppm; 1-16:8.50pH,76.0F,537ms,268ppm; 2-S:9.34pH,82.6F,533ms,266ppm; 2-4:9.19pH,78.2F,527ms,264ppm; 3-S:9.45pH,79.4F,531ms,265ppm; 3-3:9.48pH,78.0F,530ms,266ppm;	15:06	RGR-3	31	FALSE	FALSE	0	12	4.5
25-Aug-17	RGR	Charles	23Aug2017:DO=8.9, 5 gal cutrine	12:25	RGR-1	33	FALSE	FALSE	0	12	19
25-Aug-17	RGR	Charles	23Aug2017:DO=8.9, 5 gal cutrine	11:17	RGR-2	28	FALSE	FALSE	0	12	5.5
25-Aug-17	RGR	Charles	23Aug2017:DO=8.9, 5 gal cutrine	11:41	RGR-3	37	FALSE	FALSE	0	12	5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Aug-17	RDW	Beaver		2.00	0.5	Sunny	Calm/Ripple	NW	Normal or Full	0
19-Aug-17	RDW	Beaver		2.00	0.5	Sunny	Calm/Ripple	NW	Normal or Full	0
19-Aug-17	RDW	Beaver		2.00	0.5	Sunny	Calm/Ripple	NW	Normal or Full	0
19-Aug-17	RDW	Beaver		2.00	0.5	Sunny	Calm/Ripple	NW	Normal or Full	0
19-Aug-17	RDW	Beaver		2.00	0.5	Sunny	Calm/Ripple	NW	Normal or Full	0
23-Aug-17	UDB	Camelot		#VALUE!	0.5	Sunny	Calm/Ripple		Below Normal	3
23-Aug-17	UDB	Camelot		#VALUE!	0.5	Sunny	Calm/Ripple		Below Normal	3
23-Aug-17	UDB	Camelot		#VALUE!	0.5	Sunny	Calm/Ripple		Below Normal	3
23-Aug-17	SDP	Lancelot		#VALUE!	0.5	Sunny	Calm/Ripple	NW	Below Normal	3
23-Aug-17	SDP	Lancelot		#VALUE!	0.5	Sunny	Calm/Ripple	NW	Below Normal	3
23-Aug-17	SDP	Lancelot		#VALUE!	0.5	Sunny	Calm/Ripple	NW	Below Normal	3
10-Aug-17	SDQ	Thunderbird	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	2
10-Aug-17	SDQ	Thunderbird	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	2
10-Aug-17	SDQ	Thunderbird	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	2
09-Aug-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
09-Aug-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
09-Aug-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
24-Aug-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	NE	Normal or Full	0
24-Aug-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	NE	Normal or Full	0
24-Aug-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	NE	Normal or Full	0
14-Aug-17	STO	Napa Suwe	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	SE	Above Normal	3
14-Aug-17	STO	Napa Suwe	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	SE	Above Normal	3
14-Aug-17	STO	Napa Suwe	Greater than 70%	2.00	0	Partly Cloudy	Small Waves	SE	Above Normal	3
14-Aug-17	VTD	Deep		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	2
14-Aug-17	VTD	Deep		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	2
14-Aug-17	VTD	Deep		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	2
14-Aug-17	VTD	Deep		3.00	0	Partly Cloudy	Small Waves	SW	Above Normal	2
23-Aug-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	NW	Above Normal	1
23-Aug-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	NW	Above Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Aug-17	RDW	Beaver		
19-Aug-17	RDW	Beaver		
19-Aug-17	RDW	Beaver		
19-Aug-17	RDW	Beaver		
19-Aug-17	RDW	Beaver		
23-Aug-17	UDB	Camelot		
23-Aug-17	UDB	Camelot		
23-Aug-17	UDB	Camelot		
23-Aug-17	SDP	Lancelot		
23-Aug-17	SDP	Lancelot		
23-Aug-17	SDP	Lancelot		
10-Aug-17	SDQ	Thunderbird		
10-Aug-17	SDQ	Thunderbird		
10-Aug-17	SDQ	Thunderbird		
09-Aug-17	RGZD	Miltmore		
09-Aug-17	RGZD	Miltmore		
09-Aug-17	RGZD	Miltmore		
24-Aug-17	RGZD	Miltmore		
24-Aug-17	RGZD	Miltmore		
24-Aug-17	RGZD	Miltmore		
14-Aug-17	STO	Napa Suwe	Normal rainfall since the last monitor.	Very large amounts of filamentous algae in the eastern half of the Lake.
14-Aug-17	STO	Napa Suwe	Normal rainfall since the last monitor.	Very large amounts of filamentous algae in the eastern half of the Lake.
14-Aug-17	STO	Napa Suwe	Normal rainfall since the last monitor.	Very large amounts of filamentous algae in the eastern half of the Lake.
14-Aug-17	VTD	Deep		Zebra trap=100s 1-2 mm size zebras Trap cleaned
14-Aug-17	VTD	Deep		Zebra trap=100s 1-2 mm size zebras Trap cleaned
14-Aug-17	VTD	Deep		Zebra trap=100s 1-2 mm size zebras Trap cleaned
14-Aug-17	VTD	Deep		Zebra trap=100s 1-2 mm size zebras Trap cleaned
23-Aug-17	VTD	Deep		
23-Aug-17	VTD	Deep		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Aug-17	RDW	Beaver		17:20	RDW-1	108	FALSE	FALSE	1	7	19
19-Aug-17	RDW	Beaver		17:10	RDW-2	96	FALSE	FALSE	1	8	18.3
19-Aug-17	RDW	Beaver		17:00	RDW-3	24	FALSE	FALSE	0	12	4.3
19-Aug-17	RDW	Beaver		17:55	RDW-4	84	FALSE	FALSE	1	8	12.3
19-Aug-17	RDW	Beaver		17:40	RDW-6	122	FALSE	FALSE	1	8	22
23-Aug-17	UDB	Camelot		12:25	UDB-1	26	FALSE	FALSE	0	3	35
23-Aug-17	UDB	Camelot		12:45	UDB-2	26	FALSE	FALSE	0	3	26
23-Aug-17	UDB	Camelot		13:10	UDB-3	27	FALSE	FALSE	0	3	16.5
23-Aug-17	SDP	Lancelot	Lake Treatment, Copper Sulfate, Cutrine Plus	10:26	SDP-1	48	FALSE	FALSE	0	8	28
23-Aug-17	SDP	Lancelot	Lake Treatment, Copper Sulfate, Cutrine Plus	10:51	SDP-2	48	FALSE	FALSE	0	12	17
23-Aug-17	SDP	Lancelot	Lake Treatment, Copper Sulfate, Cutrine Plus	11:07	SDP-3	30	FALSE	FALSE	1	12	4.5
10-Aug-17	SDQ	Thunderbird		10:38	SDQ-1	40	FALSE	FALSE	0	2	34.6
10-Aug-17	SDQ	Thunderbird		10:45	SDQ-2	50	FALSE	FALSE	0	2	39
10-Aug-17	SDQ	Thunderbird		11:00	SDQ-3	28	FALSE	FALSE	0	8	10
09-Aug-17	RGZD	Miltmore	Lake recently closed for recreational use due to heavy rain runoff contamination.	14:00	RGZD-1	94	FALSE	FALSE	0	7	15.5
09-Aug-17	RGZD	Miltmore	Lake recently closed for recreational use due to heavy rain runoff contamination.	14:14	RGZD-2	88	FALSE	FALSE	0	7	14.5
09-Aug-17	RGZD	Miltmore	Lake recently closed for recreational use due to heavy rain runoff contamination.	14:30	RGZD-3	80	FALSE	FALSE	1	7	8.5
24-Aug-17	RGZD	Miltmore		14:35	RGZD-1	83	FALSE	FALSE	0	11	16.5
24-Aug-17	RGZD	Miltmore		14:50	RGZD-2	76	FALSE	FALSE	1	7	11.5
24-Aug-17	RGZD	Miltmore		15:10	RGZD-3	70	FALSE	FALSE	1	11	9
14-Aug-17	STO	Napa Suwe	No activity	15:20	STO-1	47	TRUE	FALSE	3	12	4
14-Aug-17	STO	Napa Suwe	No activity	15:35	STO-2	40	TRUE	FALSE	4	12	3.5
14-Aug-17	STO	Napa Suwe	No activity	15:45	STO-3	54	TRUE	FALSE	3	12	4.5
14-Aug-17	VTD	Deep		09:10	VTD-1	258	FALSE	FALSE	0	8	49
14-Aug-17	VTD	Deep		09:35	VTD-2	254	FALSE	FALSE	0	8	35
14-Aug-17	VTD	Deep		09:55	VTD-3	257	FALSE	FALSE	0	8	38
14-Aug-17	VTD	Deep		10:20	VTD-4	245	FALSE	FALSE	0	8	25
23-Aug-17	VTD	Deep		13:40	VTD-1	222	FALSE	FALSE	0	8	49
23-Aug-17	VTD	Deep		14:05	VTD-2	220	FALSE	FALSE	0	8	35

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
23-Aug-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	NW	Above Normal	1
23-Aug-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	NW	Above Normal	1
28-Aug-17	RGZM	Valley	Less Than 5%	1.50	0.12	Partly Cloudy	Small Waves	S	Normal or Full	0
28-Aug-17	RGZM	Valley	Less Than 5%	1.50	0.12	Partly Cloudy	Small Waves	S	Normal or Full	0
28-Aug-17	RGZM	Valley	Less Than 5%	1.50	0.12	Partly Cloudy	Small Waves	S	Normal or Full	0
28-Aug-17	RTZU	Honey		1.50	0.1	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
28-Aug-17	RTZU	Honey		1.50	0.1	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
28-Aug-17	RTZU	Honey		1.50	0.1	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
25-Aug-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Moderate Waves	E	Below Normal	0
25-Aug-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Moderate Waves	E	Below Normal	0
25-Aug-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Moderate Waves	E	Below Normal	0
28-Aug-17	RTZV	Killarney	51% To 70%	3.00	0.5	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
28-Aug-17	RTZV	Killarney	51% To 70%	3.00	0.5	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
28-Aug-17	RTZV	Killarney	51% To 70%	3.00	0.5	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
29-Aug-17	RAL	Lake of Egypt	No Selection	9.00	0.1	Partly Cloudy	Calm/Ripple	W	Below Normal	12
29-Aug-17	RAL	Lake of Egypt	No Selection	9.00	0.1	Partly Cloudy	Calm/Ripple	W	Below Normal	12
29-Aug-17	RAL	Lake of Egypt	No Selection	9.00	0.1	Partly Cloudy	Calm/Ripple	W	Below Normal	12
29-Aug-17	REE	Dawson	Less Than 5%	4.00	1	Sunny	Calm/Ripple	N	Below Normal	6
29-Aug-17	REE	Dawson	Less Than 5%	4.00	1	Sunny	Calm/Ripple	N	Below Normal	6
29-Aug-17	REE	Dawson	Less Than 5%	4.00	1	Sunny	Calm/Ripple	N	Below Normal	6
24-Aug-17	RMM	Galena		#VALUE!	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
24-Aug-17	RMM	Galena		#VALUE!	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
24-Aug-17	RMM	Galena		#VALUE!	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	1
25-Aug-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
23-Aug-17	VTD	Deep		
23-Aug-17	VTD	Deep		
28-Aug-17	RGZM	Valley		
28-Aug-17	RGZM	Valley		
28-Aug-17	RGZM	Valley		
28-Aug-17	RTZU	Honey		
28-Aug-17	RTZU	Honey		
28-Aug-17	RTZU	Honey		
25-Aug-17	RDR	Spring		
25-Aug-17	RDR	Spring		
25-Aug-17	RDR	Spring		
28-Aug-17	RTZV	Killarney	Heavy discharge into lake continues from culvert on Northside of lake.	Change in water color from the usual #3 to #12 or #13
28-Aug-17	RTZV	Killarney	Heavy discharge into lake continues from culvert on Northside of lake.	Change in water color from the usual #3 to #12 or #13
28-Aug-17	RTZV	Killarney	Heavy discharge into lake continues from culvert on Northside of lake.	Change in water color from the usual #3 to #12 or #13
29-Aug-17	RAL	Lake of Egypt		
29-Aug-17	RAL	Lake of Egypt		
29-Aug-17	RAL	Lake of Egypt		
29-Aug-17	REE	Dawson		
29-Aug-17	REE	Dawson		
29-Aug-17	REE	Dawson		
24-Aug-17	RMM	Galena	cool temp	
24-Aug-17	RMM	Galena	cool temp	
24-Aug-17	RMM	Galena	cool temp	
25-Aug-17	RJZK	Gamlin	rain brought lake to full	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
23-Aug-17	VTD	Deep		14:25	VTD-3	223	FALSE	FALSE	0	8	38
23-Aug-17	VTD	Deep		14:55	VTD-4	194	FALSE	FALSE	0	13	25
28-Aug-17	RGZM	Valley	8-15-17 south side of lake was treated for snails	10:14	RGZM-1	19	FALSE	FALSE	0	3	9.5
28-Aug-17	RGZM	Valley	8-15-17 south side of lake was treated for snails	10:29	RGZM-2	22	FALSE	FALSE	0	3	7.5
28-Aug-17	RGZM	Valley	8-15-17 south side of lake was treated for snails	10:42	RGZM-3	19	FALSE	FALSE	0	3	7
28-Aug-17	RTZU	Honey		12:13	RTZU-1	60	FALSE	FALSE	0	13	19
28-Aug-17	RTZU	Honey		12:47	RTZU-2	59	FALSE	FALSE	0	13	19
28-Aug-17	RTZU	Honey		12:37	RTZU-3	60	FALSE	FALSE	0	13	18
25-Aug-17	RDR	Spring		10:20	RDR-1	17	FALSE	FALSE	0	13	22
25-Aug-17	RDR	Spring		09:07	RDR-2	12	FALSE	FALSE	0	13	7
25-Aug-17	RDR	Spring		08:40	RDR-3	7	FALSE	FALSE	0	14	1.5
28-Aug-17	RTZV	Killarney	Report from McHenry County health dept. indicates that NO raw sewage is being discharged into Lake Killarney. Water has tested as safe.	13:30	RTZV-1	90	FALSE	FALSE	0	12	20
28-Aug-17	RTZV	Killarney	Report from McHenry County health dept. indicates that NO raw sewage is being discharged into Lake Killarney. Water has tested as safe.	14:05	RTZV-2	90	FALSE	FALSE	0	12	19
28-Aug-17	RTZV	Killarney	Report from McHenry County health dept. indicates that NO raw sewage is being discharged into Lake Killarney. Water has tested as safe.	14:35	RTZV-3	90	FALSE	FALSE	1	12	11
29-Aug-17	RAL	Lake of Egypt		10:00	RAL-1	42	FALSE	FALSE	0	12	37
29-Aug-17	RAL	Lake of Egypt		10:14	RAL-2	72	FALSE	FALSE	0	12	33
29-Aug-17	RAL	Lake of Egypt		10:28	RAL-3	48	FALSE	FALSE	0	12	10
29-Aug-17	REE	Dawson	wind North@2 mph water temp 77	01:07	REE-1	21	FALSE	FALSE	0	12	24
29-Aug-17	REE	Dawson	wind North@2 mph water temp 77	11:22	REE-2	21	FALSE	FALSE	0	12	12.5
29-Aug-17	REE	Dawson	wind North@2 mph water temp 77	10:50	REE-3	20	FALSE	FALSE	0	12	6.5
24-Aug-17	RMM	Galena	weed harvesting mostly fil. Algae	11:35	RMM-1	96	FALSE	FALSE	0	3	36
24-Aug-17	RMM	Galena	weed harvesting mostly fil. Algae	12:10	RMM-2	72	FALSE	FALSE	0	2	24
24-Aug-17	RMM	Galena	weed harvesting mostly fil. Algae	12:35	RMM-3	40	FALSE	FALSE	2	12	5
25-Aug-17	RJZK	Gamlin	Carp are keeping weeds down	17:00	RJZK-1	22	FALSE	FALSE	1	12	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
25-Aug-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Normal or Full	0
25-Aug-17	RJZK	Gamlin	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Normal or Full	0
24-Aug-17	RLH	Fyre	5% To 15%	1.00	0.5	Sunny	Calm/Ripple	N	Normal or Full	0
24-Aug-17	RLH	Fyre	5% To 15%	1.00	0.5	Sunny	Calm/Ripple	N	Normal or Full	0
24-Aug-17	RLH	Fyre	5% To 15%	1.00	0.5	Sunny	Calm/Ripple	N	Normal or Full	0
15-Aug-17	RPI	Summerset	5% To 15%	1.00	0	Partly Cloudy	Calm/Ripple	WNW	Above Normal	0.5
15-Aug-17	RPI	Summerset	5% To 15%	1.00	0	Partly Cloudy	Calm/Ripple	WNW	Above Normal	0.5
15-Aug-17	RPI	Summerset	5% To 15%	1.00	0	Partly Cloudy	Calm/Ripple	WNW	Above Normal	0.5
30-Aug-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	16
30-Aug-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	16
30-Aug-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	16
15-Jul-17	RGQ	Countryside	No Selection	3.00	0	No Selection	No Selection	NONE	Normal or Full	0
15-Jul-17	RGQ	Countryside	No Selection	3.00	0	No Selection	No Selection	NONE	Normal or Full	0
15-Jul-17	RGQ	Countryside	No Selection	3.00	0	No Selection	No Selection	NONE	Normal or Full	0
28-Jul-17	RGQ	Countryside	51% To 70%	3.00	5	Sunny	Calm/Ripple	N	Above Normal	10
28-Jul-17	RGQ	Countryside	51% To 70%	3.00	5	Sunny	Calm/Ripple	N	Above Normal	10
28-Jul-17	RGQ	Countryside	51% To 70%	3.00	5	Sunny	Calm/Ripple	N	Above Normal	10
15-Aug-17	RGQ	Countryside	51% To 70%	3.00	0	Overcast	Calm/Ripple	N	Normal or Full	0
15-Aug-17	RGQ	Countryside	51% To 70%	3.00	0	Overcast	Calm/Ripple	N	Normal or Full	0
15-Aug-17	RGQ	Countryside	51% To 70%	3.00	0	Overcast	Calm/Ripple	N	Normal or Full	0
09-Jun-17	RHZK	Longmeadow	Less Than 5%	0.50	0	Sunny	Calm/Ripple	NONE	Below Normal	6
15-Jun-17	RHZK	Longmeadow	Less Than 5%	0.50	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
21-Jul-17	RHZK	Longmeadow	Less Than 5%	0.50	0	Overcast	Calm/Ripple	NONE	Normal or Full	0
01-Aug-17	RHZK	Longmeadow		0.50	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
15-Aug-17	RHZK	Longmeadow	No Selection	#VALUE!	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
26-Aug-17	REZL	Twin Oaks		1.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	7

Sample Date	Lake Code	Waterbody	Observations	Other Information
25-Aug-17	RJZK	Gamlin	rain brought lake to full	
25-Aug-17	RJZK	Gamlin	rain brought lake to full	
24-Aug-17	RLH	Fyre	Increase in Weed growth	
24-Aug-17	RLH	Fyre	Increase in Weed growth	
24-Aug-17	RLH	Fyre	Increase in Weed growth	
15-Aug-17	RPI	Summerset		
15-Aug-17	RPI	Summerset		
15-Aug-17	RPI	Summerset		
30-Aug-17	RCE	Sara		
30-Aug-17	RCE	Sara		
30-Aug-17	RCE	Sara		
15-Jul-17	RGQ	Countryside	water is being taken over by stringy green algae	
15-Jul-17	RGQ	Countryside	water is being taken over by stringy green algae	
15-Jul-17	RGQ	Countryside	water is being taken over by stringy green algae	
28-Jul-17	RGQ	Countryside	Toxic Blue Algae Bloom	Algae is very thick and green
28-Jul-17	RGQ	Countryside	Toxic Blue Algae Bloom	Algae is very thick and green
28-Jul-17	RGQ	Countryside	Toxic Blue Algae Bloom	Algae is very thick and green
15-Aug-17	RGQ	Countryside	E. coli was reported at beach	Green algae is gone. Water is smelly and dirty
15-Aug-17	RGQ	Countryside	E. coli was reported at beach	Green algae is gone. Water is smelly and dirty
15-Aug-17	RGQ	Countryside	E. coli was reported at beach	Green algae is gone. Water is smelly and dirty
09-Jun-17	RHZK	Longmeadow	0	Cladophora, Threadstem Pondweed, Frogs, ducks, turtles
15-Jun-17	RHZK	Longmeadow		
21-Jul-17	RHZK	Longmeadow	Rained a small amount yesterday	Cladophora
01-Aug-17	RHZK	Longmeadow		Pondweed
15-Aug-17	RHZK	Longmeadow	Some debris (muck) noted more on south end of lake. House under construction to the east and their silt fences are down	Ducks, Bass, Herons, Sunfish, Bullfrogs, Turtles
26-Aug-17	REZL	Twin Oaks	cool temp., dry although 2" rain on 8/21	watermeal, southern naiad

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
25-Aug-17	RJZK	Gamlin	Carp are keeping weeds down	17:25	RJZK-2	20	FALSE	FALSE	1	12	7
25-Aug-17	RJZK	Gamlin	Carp are keeping weeds down	17:35	RJZK-3	24	FALSE	FALSE	1	12	7.5
24-Aug-17	RLH	Fyre		14:45	RLH-1	64	FALSE	FALSE	0	17	36
24-Aug-17	RLH	Fyre		14:35	RLH-2	62	FALSE	FALSE	0	17	29
24-Aug-17	RLH	Fyre		14:25	RLH-3	56	FALSE	FALSE	0	17	14
15-Aug-17	RPI	Summerset		15:15	RPI-1	34	FALSE	FALSE		17	32
15-Aug-17	RPI	Summerset		15:30	RPI-2	34	FALSE	FALSE		12	22
15-Aug-17	RPI	Summerset		15:50	RPI-3	29	FALSE	FALSE		17	12
30-Aug-17	RCE	Sara		11:15	RCE-1	36	FALSE	FALSE	0	0	46
30-Aug-17	RCE	Sara		11:23	RCE-2	35	FALSE	FALSE	0	0	35
30-Aug-17	RCE	Sara		11:32	RCE-3	29	FALSE	FALSE	0	0	18
15-Jul-17	RGQ	Countryside		10:00	RGQ-1	40	FALSE	FALSE	3	15	9
15-Jul-17	RGQ	Countryside		10:10	RGQ-2	38	FALSE	FALSE	3	15	8.5
15-Jul-17	RGQ	Countryside		10:20	RGQ-3	42	FALSE	FALSE	3	15	9
28-Jul-17	RGQ	Countryside		10:00	RGQ-1	15	FALSE	FALSE	3	15	10
28-Jul-17	RGQ	Countryside		10:10	RGQ-2	20	FALSE	FALSE	3	15	10
28-Jul-17	RGQ	Countryside		10:20	RGQ-3	17	FALSE	FALSE	3	15	10.5
15-Aug-17	RGQ	Countryside		17:00	RGQ-1	30	FALSE	FALSE	3	13	9
15-Aug-17	RGQ	Countryside		17:10	RGQ-2	25	FALSE	FALSE	3	12	9
15-Aug-17	RGQ	Countryside		17:20	RGQ-3	24	FALSE	FALSE	3	13	9.5
09-Jun-17	RHZK	Longmeadow	6.2.17 done by AEM water temp. 70.51 DO- 9.91 Saturation 114.9% Chemicals used: Cutrine- one gal. Reward- 48 oz. Aquathol 48 oz.	08:45	RHZK-1	26	FALSE	FALSE	1	12	10
15-Jun-17	RHZK	Longmeadow	Water sample taken to Winnetka Water Treatment Plant on 6.9.17 North end 7.4 South end 12.1 6/14/17 Entire shoreline cleaned by AEM Microzyme 2 applied	08:30	RHZK-1	15	FALSE	FALSE	0	13	10.5
21-Jul-17	RHZK	Longmeadow	Citrine .5 gal. Reward 32 oz Hydrothol 191.8 oz by AEM on July 20, 17	16:15	RHZK-1	20	FALSE	FALSE	0	13	10.5
01-Aug-17	RHZK	Longmeadow	7.27.17- by AEM Citrine 1 gallon Clearigate-.5 gal. Reward 48 oz. Aqiatjp;- 23 oz Aquaprep- 24 oz.	16:30	RHZK-1	24	FALSE	FALSE	0	13	10
15-Aug-17	RHZK	Longmeadow		08:45	RHZK-1	30	FALSE	FALSE	0	13	10
26-Aug-17	REZL	Twin Oaks	aerators on, groundwater pump on, Aquashade applied first half of June 2017	13:25	REZL-1	18	FALSE	FALSE	0	20	4.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Aug-17	REZL	Twin Oaks		1.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	7
26-Aug-17	REZL	Twin Oaks		1.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	7
26-Aug-17	REZL	Twin Oaks		1.00	0	Partly Cloudy	Calm/Ripple	W	Below Normal	7
30-Aug-17	VDE	Catatoga	Less Than 5%	4.00	1	Partly Cloudy	Calm/Ripple	N	Below Normal	7
30-Aug-17	VDE	Catatoga	Less Than 5%	4.00	1	Partly Cloudy	Calm/Ripple	N	Below Normal	7
31-Aug-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
31-Aug-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
31-Aug-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
23-Aug-17	UTV	Cross		2.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	4
23-Aug-17	UTV	Cross		2.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	4
23-Aug-17	UTV	Cross		2.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	4
23-Aug-17	UTV	Cross		2.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	4
21-Aug-17	SGB	Virginia	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	2
21-Aug-17	SGB	Virginia	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	2
21-Aug-17	SGB	Virginia	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	2
02-Sep-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	N	Below Normal	3
02-Sep-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	N	Below Normal	3
02-Sep-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	N	Below Normal	3
03-Sep-17	VTZ	Charlotte	Less Than 5%	4.00	0.2	Sunny	Calm/Ripple	N	Below Normal	8
03-Sep-17	VTZ	Charlotte	Less Than 5%	4.00	0.2	Sunny	Calm/Ripple	N	Below Normal	8
21-Aug-17	RDI	Jacksonville	Less Than 5%	3.00		Partly Cloudy	Small Waves	SW	Below Normal	9
21-Aug-17	RDI	Jacksonville	Less Than 5%	3.00		Partly Cloudy	Small Waves	SW	Below Normal	9
21-Aug-17	RDI	Jacksonville	Less Than 5%	3.00		Partly Cloudy	Small Waves	SW	Below Normal	9
21-Aug-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Partly Cloudy	Small Waves	S	Below Normal	8

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Aug-17	REZL	Twin Oaks	cool temp., dry although 2" rain on 8/21	watermeal, southern naiad
26-Aug-17	REZL	Twin Oaks	cool temp., dry although 2" rain on 8/21	watermeal, southern naiad
26-Aug-17	REZL	Twin Oaks	cool temp., dry although 2" rain on 8/21	watermeal, southern naiad
30-Aug-17	VDE	Catatoga	Increased green algae and Southern naiad along shoreline	Browned plant growth in areas sprayed, algae and naiad. Green in other areas.
30-Aug-17	VDE	Catatoga	Increased green algae and Southern naiad along shoreline	Browned plant growth in areas sprayed, algae and naiad. Green in other areas.
31-Aug-17	RTZS	Goose		
31-Aug-17	RTZS	Goose		
31-Aug-17	RTZS	Goose		
23-Aug-17	UTV	Cross		
23-Aug-17	UTV	Cross		
23-Aug-17	UTV	Cross		
23-Aug-17	UTV	Cross		
21-Aug-17	SGB	Virginia		Not a consistent spraying this summer. So many more "nuisance" plants along shores especially in shallow areas.
21-Aug-17	SGB	Virginia		Not a consistent spraying this summer. So many more "nuisance" plants along shores especially in shallow areas.
21-Aug-17	SGB	Virginia		Not a consistent spraying this summer. So many more "nuisance" plants along shores especially in shallow areas.
02-Sep-17	RNJ	Devils Kitchen		
02-Sep-17	RNJ	Devils Kitchen		
02-Sep-17	RNJ	Devils Kitchen		
03-Sep-17	VTZ	Charlotte	Rain last night6	Hérons, ducks, snapping turtles along lake shore. The lake is low, it rained last night
03-Sep-17	VTZ	Charlotte	Rain last night6	Hérons, ducks, snapping turtles along lake shore. The lake is low, it rained last night
21-Aug-17	RDI	Jacksonville		
21-Aug-17	RDI	Jacksonville		
21-Aug-17	RDI	Jacksonville		
21-Aug-17	SDL	Mauvaise Terre		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Aug-17	REZL	Twin Oaks	aerators on, groundwater pump on, Aquashade applied first half of June 2017	13:10	REZL-2	18	FALSE	FALSE	0	20	3.5
26-Aug-17	REZL	Twin Oaks	aerators on, groundwater pump on, Aquashade applied first half of June 2017	14:15	REZL-3	18	FALSE	FALSE	0	20	3.5
26-Aug-17	REZL	Twin Oaks	aerators on, groundwater pump on, Aquashade applied first half of June 2017	13:50	REZL-4	20	FALSE	FALSE	0	20	4.5
30-Aug-17	VDE	Catatoga	1 week ago lake spot sprayed in coves where algae/naiad growth pronounced - Diquad, Copper Sulfate and Algaecide	12:15	VDE-1	90	FALSE	FALSE	0	8	48.5
30-Aug-17	VDE	Catatoga	1 week ago lake spot sprayed in coves where algae/naiad growth pronounced - Diquad, Copper Sulfate and Algaecide	12:55	VDE-2	87	FALSE	FALSE	1	8	32
31-Aug-17	RTZS	Goose		11:00	RTZS-1	34	FALSE	FALSE	0	3	12.5
31-Aug-17	RTZS	Goose		11:16	RTZS-2	32	FALSE	FALSE	0	3	7
31-Aug-17	RTZS	Goose		11:36	RTZS-3	30	FALSE	FALSE	0	12	3
23-Aug-17	UTV	Cross		14:20	UTV-1	66	FALSE	FALSE	0	3	34.5
23-Aug-17	UTV	Cross		14:32	UTV-2	66	FALSE	FALSE	1	1	6
23-Aug-17	UTV	Cross		14:45	UTV-3	66	FALSE	FALSE	0	12	25.5
23-Aug-17	UTV	Cross		15:00	UTV-4	69	FALSE	FALSE	0	12	13.5
21-Aug-17	SGB	Virginia		09:00	SGB-1	264	FALSE	FALSE	0	4	63
21-Aug-17	SGB	Virginia		09:44	SGB-2	273	FALSE	FALSE	0	8	45
21-Aug-17	SGB	Virginia		10:00	SGB-3	273	FALSE	FALSE	0	4	44
02-Sep-17	RNJ	Devils Kitchen		14:52	RNJ-1	60	FALSE	FALSE	3	13	48
02-Sep-17	RNJ	Devils Kitchen		14:21	RNJ-2	60	FALSE	FALSE	3	13	25
02-Sep-17	RNJ	Devils Kitchen		13:19	RNJ-3	72	FALSE	FALSE	2	12	39
03-Sep-17	VTZ	Charlotte	None	10:15	VTZ-1	106	FALSE	FALSE	0	17	11.5
03-Sep-17	VTZ	Charlotte	None	10:45	VTZ-2	54	TRUE	FALSE	0	17	4.5
21-Aug-17	RDI	Jacksonville		9:05	RDI-1	30	FALSE	FALSE	0	12	33
21-Aug-17	RDI	Jacksonville		9:30	RDI-2	24	FALSE	FALSE	0		21
21-Aug-17	RDI	Jacksonville		8:36	RDI-3	19	FALSE	FALSE	0	2	9
21-Aug-17	SDL	Mauvaise Terre		14:40	SDL-1	14	FALSE	FALSE	0	14	8

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
21-Aug-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Partly Cloudy	Small Waves	S	Below Normal	8
21-Aug-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Partly Cloudy	Small Waves	S	Below Normal	8
24-Aug-17	SDQ	Thunderbird	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	None	Below Normal	4
24-Aug-17	SDQ	Thunderbird	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	None	Below Normal	4
24-Aug-17	SDQ	Thunderbird	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	None	Below Normal	4
30-Aug-17	RJJ	Weslake	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	1
30-Aug-17	RJJ	Weslake	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	1
30-Aug-17	RJJ	Weslake	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	1
30-Aug-17	UDH	Sunset	Less Than 5%	1.00	1	Sunny	Calm/Ripple	E	Below Normal	8
30-Aug-17	UDH	Sunset	Less Than 5%	1.00	1	Sunny	Calm/Ripple	E	Below Normal	8
30-Aug-17	UDH	Sunset	Less Than 5%	1.00	1	Sunny	Calm/Ripple	E	Below Normal	8
27-Jul-17	RGJ	Butler	Greater than 70%	3.00	0	Sunny	Small Waves	NE	Above Normal	0
27-Jul-17	RGJ	Butler	Greater than 70%	3.00	0	Sunny	Small Waves	NE	Above Normal	0
27-Jul-17	RGJ	Butler	Greater than 70%	3.00	0	Sunny	Small Waves	NE	Above Normal	0
23-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	2.04
23-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	2.04
23-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	2.04
23-Aug-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	2.04
23-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	30.96
23-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	30.96
23-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	30.96
23-Aug-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	30.96
08-May-17	RGZB	Hastings		4.70	0	Partly Cloudy	Small Waves	E	Above Normal	0
08-May-17	RGZB	Hastings		4.70	0	Partly Cloudy	Small Waves	E	Above Normal	0
22-May-17	RGZB	Hastings		6.00	0.5	Sunny	Small Waves	SW	Above Normal	0
22-May-17	RGZB	Hastings		6.00	0.5	Sunny	Small Waves	SW	Above Normal	0
08-Aug-17	RTZU	Honey	No Selection	3.00	0.25	Sunny	Calm/Ripple	E	Normal or Full	0
08-Aug-17	RTZU	Honey	No Selection	3.00	0.25	Sunny	Calm/Ripple	E	Normal or Full	0
08-Aug-17	RTZU	Honey	No Selection	3.00	0.25	Sunny	Calm/Ripple	E	Normal or Full	0
22-May-17	RGZM	Valley		1.50	0.29	Sunny	Small Waves	S	Above Normal	2
22-May-17	RGZM	Valley		1.50	0.29	Sunny	Small Waves	S	Above Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
21-Aug-17	SDL	Mauvaise Terre		
21-Aug-17	SDL	Mauvaise Terre		
24-Aug-17	SDQ	Thunderbird		
24-Aug-17	SDQ	Thunderbird		
24-Aug-17	SDQ	Thunderbird		
30-Aug-17	RJJ	Weslake		
30-Aug-17	RJJ	Weslake		
30-Aug-17	RJJ	Weslake		
30-Aug-17	UDH	Sunset		
30-Aug-17	UDH	Sunset		
30-Aug-17	UDH	Sunset		
27-Jul-17	RGJ	Butler	record rain in last two weeks	
27-Jul-17	RGJ	Butler	record rain in last two weeks	
27-Jul-17	RGJ	Butler	record rain in last two weeks	
23-Aug-17	RDO	Bloomington		
23-Aug-17	RDO	Bloomington		
23-Aug-17	RDO	Bloomington		
23-Aug-17	RDO	Bloomington		
23-Aug-17	SDA	Evergreen		
23-Aug-17	SDA	Evergreen		
23-Aug-17	SDA	Evergreen		
23-Aug-17	SDA	Evergreen		
08-May-17	RGZB	Hastings		lots of filamentous algae covers most of aquatic plants. Pair of nesting mute swans. Bass spawning, lot of common carp in shallow water.
08-May-17	RGZB	Hastings		lots of filamentous algae covers most of aquatic plants. Pair of nesting mute swans. Bass spawning, lot of common carp in shallow water.
22-May-17	RGZB	Hastings		filamentous algae, blue green algae, duckweed, wind increased around 11 am. Native plants observed: cattail, lily pad, coontail.
22-May-17	RGZB	Hastings		filamentous algae, blue green algae, duckweed, wind increased around 11 am. Native plants observed: cattail, lily pad, coontail.
08-Aug-17	RTZU	Honey		
08-Aug-17	RTZU	Honey		
08-Aug-17	RTZU	Honey		
22-May-17	RGZM	Valley		
22-May-17	RGZM	Valley		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
21-Aug-17	SDL	Mauvaise Terre		14:51	SDL-2	12	FALSE	FALSE	0	14	12
21-Aug-17	SDL	Mauvaise Terre		15:00	SDL-3	12	FALSE	FALSE	0	14	10
24-Aug-17	SDQ	Thunderbird		12:40	SDQ-1	69	FALSE	FALSE		20	35
24-Aug-17	SDQ	Thunderbird		12:50	SDQ-2	59	FALSE	FALSE		20	39
24-Aug-17	SDQ	Thunderbird		13:05	SDQ-3	38	FALSE	FALSE		2	10
30-Aug-17	RJJ	Weslake		8:00	RJJ-1	20	FALSE	FALSE		8	30
30-Aug-17	RJJ	Weslake		8:20	RJJ-2	21	FALSE	FALSE		8	19
30-Aug-17	RJJ	Weslake		8:40	RJJ-3	20	FALSE	FALSE		8	4
30-Aug-17	UDH	Sunset		9:15	UDH-1	36	FALSE	FALSE	0	13	28
30-Aug-17	UDH	Sunset		9:00	UDH-2	34	FALSE	FALSE	0	13	16
30-Aug-17	UDH	Sunset		9:30	UDH-3	30	FALSE	FALSE	0	13	12
27-Jul-17	RGJ	Butler		17:08	RGJ-1	68	FALSE	FALSE	4	12	8.5
27-Jul-17	RGJ	Butler		17:23	RGJ-2	49	FALSE	FALSE	0	12	8.5
27-Jul-17	RGJ	Butler		17:00	RGJ-3	64	FALSE	FALSE	2	12	8.5
23-Aug-17	RDO	Bloomington		11:20	RDO-1	28	FALSE	FALSE	0	9	31
23-Aug-17	RDO	Bloomington		11:35	RDO-2	26	FALSE	FALSE	0	11	24
23-Aug-17	RDO	Bloomington		11:50	RDO-3	16	FALSE	FALSE	0	10	12
23-Aug-17	RDO	Bloomington		12:08	RDO-4	20	FALSE	FALSE	0	6	15
23-Aug-17	SDA	Evergreen		09:25	SDA-1	30	FALSE	FALSE	0	6	45
23-Aug-17	SDA	Evergreen		10:10	SDA-2	20	FALSE	FALSE	0	11	8
23-Aug-17	SDA	Evergreen		10:30	SDA-3	16	FALSE	FALSE	0	15	8
23-Aug-17	SDA	Evergreen		09:50	SDA-4	32	FALSE	FALSE	0	7	33
08-May-17	RGZB	Hastings		12:35	RGZB-1	75	FALSE	FALSE	0	13	27
08-May-17	RGZB	Hastings		13:00	RGZB-3	74	FALSE	FALSE	0	13	15.5
22-May-17	RGZB	Hastings		10:20	RGZB-1	54	FALSE	FALSE	0	13	27
22-May-17	RGZB	Hastings		09:55	RGZB-3	60	FALSE	FALSE	0	13	14
08-Aug-17	RTZU	Honey		08:38	RTZU-1	41	FALSE	FALSE	0	13	19
08-Aug-17	RTZU	Honey		09:03	RTZU-2	42	FALSE	FALSE	0	13	19
08-Aug-17	RTZU	Honey		09:21	RTZU-3	42	FALSE	FALSE	0	13	19
22-May-17	RGZM	Valley	beneficial bacteria will be applied 5/23/17	12:20	RGZM-1	65	FALSE	FALSE	0	8	9
22-May-17	RGZM	Valley	beneficial bacteria will be applied 5/23/17	12:44	RGZM-2	60	FALSE	FALSE	0	8	7.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-May-17	RGZM	Valley		1.50	0.29	Sunny	Small Waves	S	Above Normal	2
21-Jul-17	RGZA	Crooked	No Selection	0.50	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
21-Jul-17	RGZA	Crooked	No Selection	0.50	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
21-Jul-17	RGZA	Crooked	No Selection	0.50	0	Sunny	Calm/Ripple	NONE	Normal or Full	0
03-May-17	VGI	Leopold		1.00	0.2	Partly Cloudy	Calm/Ripple	SW	Above Normal	4
03-May-17	VGI	Leopold		1.00	0.2	Partly Cloudy	Calm/Ripple	SW	Above Normal	4
03-May-17	VGI	Leopold		1.00	0.2	Partly Cloudy	Calm/Ripple	SW	Above Normal	4
09-Jun-17	VGI	Leopold	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NE	No Selection	0
09-Jun-17	VGI	Leopold	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NE	No Selection	0
09-Jun-17	VGI	Leopold	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NE	No Selection	0
20-Jun-17	VGI	Leopold	51% To 70%	1.50	0.25	Partly Cloudy	Small Waves	SW	Normal or Full	0
20-Jun-17	VGI	Leopold	51% To 70%	1.50	0.25	Partly Cloudy	Small Waves	SW	Normal or Full	0
20-Jun-17	VGI	Leopold	51% To 70%	1.50	0.25	Partly Cloudy	Small Waves	SW	Normal or Full	0
23-May-17	VGI	Leopold		1.50	0	Overcast	Calm/Ripple	NONE	Above Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-May-17	RGZM	Valley		
21-Jul-17	RGZA	Crooked	record storms & floods in last week	
21-Jul-17	RGZA	Crooked	record storms & floods in last week	
21-Jul-17	RGZA	Crooked	record storms & floods in last week	
03-May-17	VGI	Leopold	lots of rain	plants are way ahead of normal. widespread filamentous blooms. lots of CLP.
03-May-17	VGI	Leopold	lots of rain	plants are way ahead of normal. widespread filamentous blooms. lots of CLP.
03-May-17	VGI	Leopold	lots of rain	plants are way ahead of normal. widespread filamentous blooms. lots of CLP.
09-Jun-17	VGI	Leopold	warm, no rain, very dry	filamentous algae blooms are getting worse Plants: CLP, EWM, cootnail, white water crowfoot, white water lily, floating leaf, small PW, illinois pondweed, horned pondweed
09-Jun-17	VGI	Leopold	warm, no rain, very dry	filamentous algae blooms are getting worse Plants: CLP, EWM, cootnail, white water crowfoot, white water lily, floating leaf, small PW, illinois pondweed, horned pondweed
09-Jun-17	VGI	Leopold	warm, no rain, very dry	filamentous algae blooms are getting worse Plants: CLP, EWM, cootnail, white water crowfoot, white water lily, floating leaf, small PW, illinois pondweed, horned pondweed
20-Jun-17	VGI	Leopold	record warmth all last week with big cool down this week	filamentous algae blooms much reduced lakewide. plants: white water corwfood, bladderwort, EWM, IL pondweed, leafy pondweed, small pondweed, floating, slender naiaid, elodea, coontail, white water lily
20-Jun-17	VGI	Leopold	record warmth all last week with big cool down this week	filamentous algae blooms much reduced lakewide. plants: white water corwfood, bladderwort, EWM, IL pondweed, leafy pondweed, small pondweed, floating, slender naiaid, elodea, coontail, white water lily
20-Jun-17	VGI	Leopold	record warmth all last week with big cool down this week	filamentous algae blooms much reduced lakewide. plants: white water corwfood, bladderwort, EWM, IL pondweed, leafy pondweed, small pondweed, floating, slender naiaid, elodea, coontail, white water lily
23-May-17	VGI	Leopold	very windy the past 7 days	plant growth way ahead of normal, lots more CLP than over the past 10 years

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-May-17	RGZM	Valley	beneficial bacteria will be applied 5/23/17	12:58	RGZM-3	54	FALSE	FALSE	0	8	7.5
21-Jul-17	RGZA	Crooked	CLIO or someone put materials to block outflow where the beavers use to be.	07:10	RGZA-1	26	FALSE	FALSE	0	12	2.5
21-Jul-17	RGZA	Crooked	CLIO or someone put materials to block outflow where the beavers use to be.	07:20	RGZA-2	27	FALSE	FALSE	0	12	
21-Jul-17	RGZA	Crooked	CLIO or someone put materials to block outflow where the beavers use to be.	07:00	RGZA-3	25	FALSE	FALSE	0	17	
03-May-17	VGI	Leopold		11:10	VGI-1	100	FALSE	FALSE	0	17	15
03-May-17	VGI	Leopold		11:50	VGI-2	72	TRUE	FALSE	2	17	6
03-May-17	VGI	Leopold		11:30	VGI-3	120	TRUE	FALSE	0	17	10
09-Jun-17	VGI	Leopold		11:00	VGI-1	87	FALSE	FALSE	0	17	15
09-Jun-17	VGI	Leopold		11:50	VGI-2	84	TRUE	FALSE	3	17	7
09-Jun-17	VGI	Leopold		11:20	VGI-3	88	FALSE	FALSE	0	17	10
20-Jun-17	VGI	Leopold	algicide treatment at dead & cresent overlook.	10:10	VGI-1	90	FALSE	FALSE	0	17	15.5
20-Jun-17	VGI	Leopold	algicide treatment at dead & cresent overlook.	11:00	VGI-2	84	TRUE	FALSE	3	17	7
20-Jun-17	VGI	Leopold	algicide treatment at dead & cresent overlook.	10:35	VGI-3	99	FALSE	FALSE	0	17	10
23-May-17	VGI	Leopold	beach herbicide/algicide treatment with spot treatments in North bay on Friday (5/19)	13:50	VGI-1	80	FALSE	FALSE	0	17	15

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
23-May-17	VGI	Leopold		1.50	0	Overcast	Calm/Ripple	NONE	Above Normal	2
23-May-17	VGI	Leopold		1.50	0	Overcast	Calm/Ripple	NONE	Above Normal	2
29-Aug-17	REB	Sangchris	Less Than 5%	25.00	0.27	Partly Cloudy	Small Waves	NW	Below Normal	7
29-Aug-17	REB	Sangchris	Less Than 5%	25.00	0.27	Partly Cloudy	Small Waves	NW	Below Normal	7
29-Aug-17	REB	Sangchris	Less Than 5%	25.00	0.27	Partly Cloudy	Small Waves	NW	Below Normal	7
29-Aug-17	REB	Sangchris	Less Than 5%	25.00	0.27	Partly Cloudy	Small Waves	NW	Below Normal	7
23-Aug-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
23-Aug-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
23-Aug-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NW	Normal or Full	0
05-Sep-17	SGB	Virginia	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
05-Sep-17	SGB	Virginia	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
23-May-17	VGI	Leopold	very windy the past 7 days	plant growth way ahead of normal, lots more CLP than over the past 10 years
23-May-17	VGI	Leopold	very windy the past 7 days	plant growth way ahead of normal, lots more CLP than over the past 10 years
29-Aug-17	REB	Sangchris	Heavy fog in morning. Hazy looking water. Runoff debris floating through water at REB1. Deep water sample noticeably grey at REB1.	Secchi disk easier to read in light at REB-1. See bottom of data sheet for secchi depth/color.
29-Aug-17	REB	Sangchris	Heavy fog in morning. Hazy looking water. Runoff debris floating through water at REB1. Deep water sample noticeably grey at REB1.	Secchi disk easier to read in light at REB-1. See bottom of data sheet for secchi depth/color.
29-Aug-17	REB	Sangchris	Heavy fog in morning. Hazy looking water. Runoff debris floating through water at REB1. Deep water sample noticeably grey at REB1.	Secchi disk easier to read in light at REB-1. See bottom of data sheet for secchi depth/color.
29-Aug-17	REB	Sangchris	Heavy fog in morning. Hazy looking water. Runoff debris floating through water at REB1. Deep water sample noticeably grey at REB1.	Secchi disk easier to read in light at REB-1. See bottom of data sheet for secchi depth/color.
23-Aug-17	RPZI	Richardson Wildlife		-Secchi color readings greatly affected by aquashade blue dye. - D.O. 8.14 PPM; 101.5% Saturation Horned Pondweed, some filamentous algae, planktonic algae, some Carex stipata in <6" emergent
23-Aug-17	RPZI	Richardson Wildlife		-Secchi color readings greatly affected by aquashade blue dye. - D.O. 8.14 PPM; 101.5% Saturation Horned Pondweed, some filamentous algae, planktonic algae, some Carex stipata in <6" emergent
23-Aug-17	RPZI	Richardson Wildlife		-Secchi color readings greatly affected by aquashade blue dye. - D.O. 8.14 PPM; 101.5% Saturation Horned Pondweed, some filamentous algae, planktonic algae, some Carex stipata in <6" emergent
05-Sep-17	SGB	Virginia		There doesn't seem to be as many weeds in the shallow areas as there was last month. I'm not sure where they disappeared ?
05-Sep-17	SGB	Virginia		There doesn't seem to be as many weeds in the shallow areas as there was last month. I'm not sure where they disappeared ?

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
23-May-17	VGI	Leopold	beach herbicide/algicide treatment with spot treatments in North bay on Friday (5/19)	14:40	VGI-2	72	TRUE	FALSE	3	17	6
23-May-17	VGI	Leopold	beach herbicide/algicide treatment with spot treatments in North bay on Friday (5/19)	14:25	VGI-3	83	FALSE	FALSE	0	17	10
29-Aug-17	REB	Sangchris		10:33	REB-1	28	FALSE	FALSE	0	3	33
29-Aug-17	REB	Sangchris		10:00	REB-2	29	FALSE	FALSE	0	8	24
29-Aug-17	REB	Sangchris		11:17	REB-3	21	FALSE	FALSE	0	3	6
29-Aug-17	REB	Sangchris		11:44	REB-4	21	FALSE	FALSE	0	3	3
23-Aug-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	10:50	RPZI-1	20	FALSE	FALSE	0	8	7
23-Aug-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	10:59	RPZI-2	20	FALSE	FALSE	0	8	7.5
23-Aug-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	11:09	RPZI-3	19	FALSE	FALSE	1	8	4.5
05-Sep-17	SGB	Virginia		12:05	SGB-1	276	FALSE	FALSE	0	3	63
05-Sep-17	SGB	Virginia		11:40	SGB-2	290	FALSE	FALSE	0	2	44

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
05-Sep-17	SGB	Virginia	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	2
18-Aug-17	STM	La Fox Pond	Less Than 5%	3.00	1	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
18-Aug-17	STM	La Fox Pond	Less Than 5%	3.00	1	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
18-Aug-17	STM	La Fox Pond	Less Than 5%	3.00	1	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
01-Sep-17	STM	La Fox Pond		3.00	0	Sunny	Small Waves	NE	Normal or Full	0
01-Sep-17	STM	La Fox Pond		3.00	0	Sunny	Small Waves	NE	Normal or Full	0
01-Sep-17	STM	La Fox Pond		3.00	0	Sunny	Small Waves	NE	Normal or Full	0
31-Aug-17	RBL	Paris Twin East	Less Than 5%	2.00	0	Overcast	Calm/Ripple	SW	Below Normal	4
31-Aug-17	RBL	Paris Twin East	Less Than 5%	2.00	0	Overcast	Calm/Ripple	SW	Below Normal	4
31-Aug-17	RBL	Paris Twin East	Less Than 5%	2.00	0	Overcast	Calm/Ripple	SW	Below Normal	4
31-Aug-17	RBX	Paris Twin West	Less Than 5%	2.00	0	Overcast	Calm/Ripple	SW	Below Normal	4
31-Aug-17	RBX	Paris Twin West	Less Than 5%	2.00	0	Overcast	Calm/Ripple	SW	Below Normal	4
31-Aug-17	RBX	Paris Twin West	Less Than 5%	2.00	0	Overcast	Calm/Ripple	SW	Below Normal	4
31-Aug-17	RPI	Summerset	5% To 15%	1.00	0.2	Hazy	Small Waves	NNE	Normal or Full	0
31-Aug-17	RPI	Summerset	5% To 15%	1.00	0.2	Hazy	Small Waves	NNE	Normal or Full	0
31-Aug-17	RPI	Summerset	5% To 15%	1.00	0.2	Hazy	Small Waves	NNE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
05-Sep-17	SGB	Virginia		There doesn't seem to be as many weeds in the shallow areas as there was last month. I'm not sure where they disappeared ?
18-Aug-17	STM	La Fox Pond	O2 is unusually low for this pond.	D.O. 6.02 PPM; 78.2% Sat Temp 76.8' F; 24.0' C -Secchi color readings affected by aquashade blue dye.
18-Aug-17	STM	La Fox Pond	O2 is unusually low for this pond.	D.O. 6.02 PPM; 78.2% Sat Temp 76.8' F; 24.0' C -Secchi color readings affected by aquashade blue dye.
18-Aug-17	STM	La Fox Pond	O2 is unusually low for this pond.	D.O. 6.02 PPM; 78.2% Sat Temp 76.8' F; 24.0' C -Secchi color readings affected by aquashade blue dye.
01-Sep-17	STM	La Fox Pond	Dry weather for August	D.O. 10.45 PPM; 128% Saturation Temp 72.4' F; 22.5' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed
01-Sep-17	STM	La Fox Pond	Dry weather for August	D.O. 10.45 PPM; 128% Saturation Temp 72.4' F; 22.5' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed
01-Sep-17	STM	La Fox Pond	Dry weather for August	D.O. 10.45 PPM; 128% Saturation Temp 72.4' F; 22.5' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed
31-Aug-17	RBL	Paris Twin East		
31-Aug-17	RBL	Paris Twin East		
31-Aug-17	RBL	Paris Twin East		
31-Aug-17	RBX	Paris Twin West		
31-Aug-17	RBX	Paris Twin West		
31-Aug-17	RBX	Paris Twin West		
31-Aug-17	RPI	Summerset	weed harvesting	Aug. rainfall 3 inches below normal
31-Aug-17	RPI	Summerset	weed harvesting	Aug. rainfall 3 inches below normal
31-Aug-17	RPI	Summerset	weed harvesting	Aug. rainfall 3 inches below normal

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
05-Sep-17	SGB	Virginia		11:30	SGB-3	273	FALSE	FALSE	0	2	45
18-Aug-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 8/7/17 treated w 0.25G Cutrine ultra & 16oz Clearigate	10:01	STM-1	36	FALSE	FALSE	0	6	9.5
18-Aug-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 8/7/17 treated w 0.25G Cutrine ultra & 16oz Clearigate	10:18	STM-2	36	FALSE	FALSE	0	6	6.5
18-Aug-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. 8/7/17 treated w 0.25G Cutrine ultra & 16oz Clearigate	10:25	STM-3	36	FALSE	FALSE	1	6	6.5
01-Sep-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. on 8/18/17 treated with 1/2 G Cutrine Ultra and 1/4 G Clearigate	14:15	STM-1	28	FALSE	FALSE	1	8	9.5
01-Sep-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. on 8/18/17 treated with 1/2 G Cutrine Ultra and 1/4 G Clearigate	14:28	STM-2	25	FALSE	FALSE	1	8	6
01-Sep-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom. on 8/18/17 treated with 1/2 G Cutrine Ultra and 1/4 G Clearigate	14:35	STM-3	28	FALSE	FALSE	0	8	6
31-Aug-17	RBL	Paris Twin East		12:25	RBL-1	15	FALSE	FALSE	0	11	20
31-Aug-17	RBL	Paris Twin East		12:50	RBL-2	14	FALSE	FALSE	0	11	16
31-Aug-17	RBL	Paris Twin East		12:40	RBL-3	14	FALSE	FALSE	0	11	6
31-Aug-17	RBX	Paris Twin West		13:10	RBX-1	13	FALSE	FALSE	0	15	10
31-Aug-17	RBX	Paris Twin West		13:20	RBX-2	13	FALSE	FALSE	0	15	9
31-Aug-17	RBX	Paris Twin West		13:30	RBX-3	13	FALSE	FALSE	0	15	6
31-Aug-17	RPI	Summerset		13:30	RPI-1	43	FALSE	FALSE		7	32
31-Aug-17	RPI	Summerset		13:45	RPI-2	28	FALSE	FALSE		14	22
31-Aug-17	RPI	Summerset		14:00	RPI-3	28	FALSE	FALSE		7	12

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Aug-17	RGU	Loch Lomond	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SW	Normal or Full	0
14-Aug-17	RGU	Loch Lomond	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SW	Normal or Full	0
14-Aug-17	RGU	Loch Lomond	Less Than 5%	3.00	0	Overcast	Calm/Ripple	SW	Normal or Full	0
30-Aug-17	RGU	Loch Lomond	Less Than 5%	4.00	2	Sunny	Calm/Ripple	SW	Normal or Full	0
30-Aug-17	RGU	Loch Lomond	Less Than 5%	4.00	2	Sunny	Calm/Ripple	SW	Normal or Full	0
30-Aug-17	RGU	Loch Lomond	Less Than 5%	4.00	2	Sunny	Calm/Ripple	SW	Normal or Full	0
27-Aug-17	RGV	Druce		2.00	0.07	Partly Cloudy	Small Waves	S	Normal or Full	0
27-Aug-17	RGV	Druce		2.00	0.07	Partly Cloudy	Small Waves	S	Normal or Full	0
27-Aug-17	RGV	Druce		2.00	0.07	Partly Cloudy	Small Waves	S	Normal or Full	0
13-Aug-17	RGV	Druce		2.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
13-Aug-17	RGV	Druce		2.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
13-Aug-17	RGV	Druce		2.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
23-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	10
23-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	10
23-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	10
23-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	10
29-Aug-17	RGQ	Countryside	51% To 70%	3.00	0.5	Overcast	Calm/Ripple	NE	Below Normal	0.5
29-Aug-17	RGQ	Countryside	51% To 70%	3.00	0.5	Overcast	Calm/Ripple	NE	Below Normal	0.5
29-Aug-17	RGQ	Countryside	51% To 70%	3.00	0.5	Overcast	Calm/Ripple	NE	Below Normal	0.5
09-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	15
09-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	15

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Aug-17	RGU	Loch Lomond	none	low water at inlets and the lake
14-Aug-17	RGU	Loch Lomond	none	low water at inlets and the lake
14-Aug-17	RGU	Loch Lomond	none	low water at inlets and the lake
30-Aug-17	RGU	Loch Lomond	None , normal	normal
30-Aug-17	RGU	Loch Lomond	None , normal	normal
30-Aug-17	RGU	Loch Lomond	None , normal	normal
27-Aug-17	RGV	Druce		
27-Aug-17	RGV	Druce		
27-Aug-17	RGV	Druce		
13-Aug-17	RGV	Druce		
13-Aug-17	RGV	Druce		
13-Aug-17	RGV	Druce		
23-Aug-17	RGP	Minear		
23-Aug-17	RGP	Minear		
23-Aug-17	RGP	Minear		
23-Aug-17	RGP	Minear		
29-Aug-17	RGQ	Countryside		raining lightly while recording data
29-Aug-17	RGQ	Countryside		raining lightly while recording data
29-Aug-17	RGQ	Countryside		raining lightly while recording data
09-Aug-17	RGP	Minear	7/12/17 flood des plaines river	flood odor
09-Aug-17	RGP	Minear	7/12/17 flood des plaines river	flood odor

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Aug-17	RGU	Loch Lomond	Site #1: TDS (ppm) 187, conductivity: 372, surface temp 27C/79.7F No chemical applications	11:41	RGU-1	18	FALSE	FALSE	0	18	8.5
14-Aug-17	RGU	Loch Lomond	Site #1: TDS (ppm) 187, conductivity: 372, surface temp 27C/79.7F No chemical applications	12:05	RGU-2	18	FALSE	FALSE	0	18	7
14-Aug-17	RGU	Loch Lomond	Site #1: TDS (ppm) 187, conductivity: 372, surface temp 27C/79.7F No chemical applications	11:21	RGU-3	20	FALSE	FALSE	0	18	4.5
30-Aug-17	RGU	Loch Lomond	none TDS:184 ppm Conductivity 369 us/cm Temp: 28.6C/81F	11:00	RGU-1	32	FALSE	FALSE	0	18	8.5
30-Aug-17	RGU	Loch Lomond	none TDS:184 ppm Conductivity 369 us/cm Temp: 28.6C/81F	11:18	RGU-2	26	FALSE	FALSE	0	18	7
30-Aug-17	RGU	Loch Lomond	none TDS:184 ppm Conductivity 369 us/cm Temp: 28.6C/81F	11:38	RGU-3	32	FALSE	FALSE	0	13	5
27-Aug-17	RGV	Druce		13:34	RGV-1	77	FALSE	FALSE	0	8	32
27-Aug-17	RGV	Druce		13:47	RGV-2	84	FALSE	FALSE	0	8	18
27-Aug-17	RGV	Druce		13:55	RGV-3	77	FALSE	FALSE	0	12	17
13-Aug-17	RGV	Druce		15:26	RGV-1	68	FALSE	FALSE	0	3	30
13-Aug-17	RGV	Druce		15:34	RGV-2	64	FALSE	FALSE	0	8	21.5
13-Aug-17	RGV	Druce		15:42	RGV-3	67	FALSE	FALSE	0	8	17.6
23-Aug-17	RGP	Minear		13:40	RGP-1	28	FALSE	FALSE	1	15	11
23-Aug-17	RGP	Minear		13:35	RGP-2	35	FALSE	FALSE	1	18	17
23-Aug-17	RGP	Minear		13:15	RGP-3	32	FALSE	FALSE	1	18	14.5
23-Aug-17	RGP	Minear		13:25	RGP-4	25	FALSE	FALSE	1	15	10
29-Aug-17	RGQ	Countryside		12:15	RGQ-1	36	FALSE	FALSE	0	15	8.8
29-Aug-17	RGQ	Countryside		12:30	RGQ-2	42	FALSE	FALSE	2	17	8.9
29-Aug-17	RGQ	Countryside		12:40	RGQ-3	42	FALSE	FALSE	3	17	8.5
09-Aug-17	RGP	Minear		12:40	RGP-1	18	FALSE	FALSE	1	15	14.5
09-Aug-17	RGP	Minear		12:35	RGP-2	20	FALSE	FALSE	1	18	15

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
09-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	15
09-Aug-17	RGP	Minear		1.00	0	Sunny	Calm/Ripple	SW	Above Normal	15
09-Aug-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Above Normal	4
09-Aug-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Above Normal	4
09-Aug-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Above Normal	4
09-Aug-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Above Normal	4
16-Aug-17	RTZT	Barrington	Less Than 5%	5.00	0	Sunny	Calm/Ripple	SE	Above Normal	4
16-Aug-17	RTZT	Barrington	Less Than 5%	5.00	0	Sunny	Calm/Ripple	SE	Above Normal	4
16-Aug-17	RTZT	Barrington	Less Than 5%	5.00	0	Sunny	Calm/Ripple	SE	Above Normal	4
16-Aug-17	RTZT	Barrington	Less Than 5%	5.00	0	Sunny	Calm/Ripple	SE	Above Normal	4
06-Sep-17	WGZY	Swan	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	1.2
06-Sep-17	WGZY	Swan	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	1.2
08-Aug-17	RAZP	Arcadia	Less Than 5%	0.75	1.5	Sunny	Calm/Ripple	N	Normal or Full	0
08-Aug-17	RAZP	Arcadia	Less Than 5%	0.75	1.5	Sunny	Calm/Ripple	N	Normal or Full	0
08-Aug-17	RAZP	Arcadia	Less Than 5%	0.75	1.5	Sunny	Calm/Ripple	N	Normal or Full	0
14-Aug-17	RAZP	Arcadia	Less Than 5%	1.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Aug-17	RAZP	Arcadia	Less Than 5%	1.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Aug-17	RAZP	Arcadia	Less Than 5%	1.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
08-Aug-17	RNI	Carbondale	No Selection	2.00	0.12	Sunny	Calm/Ripple	NE	Below Normal	4
08-Aug-17	RNI	Carbondale	No Selection	2.00	0.12	Sunny	Calm/Ripple	NE	Below Normal	4
30-Aug-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Below Normal	14
30-Aug-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Below Normal	14
12-Aug-17	SNA	Chautauqua	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	24
12-Aug-17	SNA	Chautauqua	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	24
12-Aug-17	SNA	Chautauqua	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	24
24-Aug-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	30
24-Aug-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	30
24-Aug-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	30
10-Aug-17	RAL	Lake of Egypt		6.00	0	Sunny	Calm/Ripple	S	Below Normal	7
10-Aug-17	RAL	Lake of Egypt		6.00	0	Sunny	Calm/Ripple	S	Below Normal	7
10-Aug-17	RAL	Lake of Egypt		6.00	0	Sunny	Calm/Ripple	S	Below Normal	7
01-Aug-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
01-Aug-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
01-Aug-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	NE	Normal or Full	0
12-Aug-17	RNZO	New Thompson		1.00	0.5	Sunny	Calm/Ripple	SE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
09-Aug-17	RGP	Minear	7/12/17 flood des plaines river	flood odor
09-Aug-17	RGP	Minear	7/12/17 flood des plaines river	flood odor
09-Aug-17	RTZT	Barrington		NW main shore green scum
09-Aug-17	RTZT	Barrington		NW main shore green scum
09-Aug-17	RTZT	Barrington		NW main shore green scum
09-Aug-17	RTZT	Barrington		NW main shore green scum
16-Aug-17	RTZT	Barrington		
16-Aug-17	RTZT	Barrington		
16-Aug-17	RTZT	Barrington		
16-Aug-17	RTZT	Barrington		
06-Sep-17	WGZY	Swan		No Spatterdock seen around SE island. No bluegreen algae seen. Suspended filamentous algae seen under microscope.
06-Sep-17	WGZY	Swan		No Spatterdock seen around SE island. No bluegreen algae seen. Suspended filamentous algae seen under microscope.
08-Aug-17	RAZP	Arcadia		
08-Aug-17	RAZP	Arcadia		
08-Aug-17	RAZP	Arcadia		
14-Aug-17	RAZP	Arcadia		
14-Aug-17	RAZP	Arcadia		
14-Aug-17	RAZP	Arcadia		
08-Aug-17	RNI	Carbondale		
08-Aug-17	RNI	Carbondale		
30-Aug-17	RNI	Carbondale		
30-Aug-17	RNI	Carbondale		
12-Aug-17	SNA	Chautauqua		
12-Aug-17	SNA	Chautauqua		
12-Aug-17	SNA	Chautauqua		
24-Aug-17	SNA	Chautauqua	Very low lake level	
24-Aug-17	SNA	Chautauqua	Very low lake level	
24-Aug-17	SNA	Chautauqua	Very low lake level	
10-Aug-17	RAL	Lake of Egypt	lovely-cooler than normal	
10-Aug-17	RAL	Lake of Egypt	lovely-cooler than normal	
10-Aug-17	RAL	Lake of Egypt	lovely-cooler than normal	
01-Aug-17	RNZO	New Thompson	Used jet ski to disturb/eliminate moss- lasted 7 days	
01-Aug-17	RNZO	New Thompson	Used jet ski to disturb/eliminate moss- lasted 7 days	
01-Aug-17	RNZO	New Thompson	Used jet ski to disturb/eliminate moss- lasted 7 days	
12-Aug-17	RNZO	New Thompson	Many residents remove moss manually	many residents complain about moss

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
09-Aug-17	RGP	Minear		12:10	RGP-3	14	FALSE	FALSE	1	14	19.5
09-Aug-17	RGP	Minear		12:20	RGP-4	16	FALSE	FALSE	1	18	15
09-Aug-17	RTZT	Barrington		09:33	RTZT-1	42	FALSE	FALSE	2	3	10.6
09-Aug-17	RTZT	Barrington		09:38	RTZT-2	36	FALSE	FALSE	0	3	10.5
09-Aug-17	RTZT	Barrington		09:46	RTZT-3	36	FALSE	FALSE	0	3	11
09-Aug-17	RTZT	Barrington		09:22	RTZT-4	60	FALSE	FALSE	2	3	7
16-Aug-17	RTZT	Barrington		09:25	RTZT-1	36	FALSE	FALSE	1	3	11
16-Aug-17	RTZT	Barrington		09:35	RTZT-2	24	FALSE	FALSE	0	12	11
16-Aug-17	RTZT	Barrington		09:50	RTZT-3	30	FALSE	FALSE	0	12	11
16-Aug-17	RTZT	Barrington		09:15	RTZT-4	72	FALSE	FALSE	1	12	9
06-Sep-17	WGZY	Swan	Summer aeration system running with oxygen concentrator. Added 25 pounds of Young Enterprises digester microbes.	11:10	WGZY-1	42	FALSE	FALSE	0	12	12
06-Sep-17	WGZY	Swan	Summer aeration system running with oxygen concentrator. Added 25 pounds of Young Enterprises digester microbes.	10:45	WGZY-2	37	FALSE	FALSE	0	12	11
08-Aug-17	RAZP	Arcadia		12:30	RAZP-1	36	FALSE	FALSE	0	3	22
08-Aug-17	RAZP	Arcadia		12:45	RAZP-2	36	FALSE	FALSE	0	3	10.5
08-Aug-17	RAZP	Arcadia		13:00	RAZP-3	36	FALSE	FALSE	0	3	11
14-Aug-17	RAZP	Arcadia		15:00	RAZP-1	36	FALSE	FALSE	0	3	21
14-Aug-17	RAZP	Arcadia		15:15	RAZP-2	36	FALSE	FALSE	0	3	10.5
14-Aug-17	RAZP	Arcadia		15:30	RAZP-3	36	FALSE	FALSE	0	3	11
08-Aug-17	RNI	Carbondale		12:17	RNI-1	1	FALSE	FALSE	0	12	10
08-Aug-17	RNI	Carbondale		12:30	RNI-2	10	FALSE	FALSE	0	11	8
30-Aug-17	RNI	Carbondale		12:43	RNI-1	12	FALSE	FALSE	0	12	9.5
30-Aug-17	RNI	Carbondale		12:45	RNI-2	12	FALSE	FALSE	0	12	7
12-Aug-17	SNA	Chautauqua		14:50	SNA-1	25	FALSE	FALSE	0	12	17
12-Aug-17	SNA	Chautauqua		14:40	SNA-2	24	FALSE	FALSE	0	12	16
12-Aug-17	SNA	Chautauqua		14:30	SNA-3	8	TRUE	FALSE	0	12	1
24-Aug-17	SNA	Chautauqua		14:50	SNA-1	20	FALSE	FALSE	0	12	17
24-Aug-17	SNA	Chautauqua		14:40	SNA-2	18	FALSE	FALSE	0	12	15
24-Aug-17	SNA	Chautauqua		14:30	SNA-3	6	TRUE	FALSE	0	12	0.5
10-Aug-17	RAL	Lake of Egypt	checked zebra mussel trap- none found	09:55	RAL-1	54	FALSE	FALSE	0	12	37
10-Aug-17	RAL	Lake of Egypt	checked zebra mussel trap- none found	10:14	RAL-2	72	FALSE	FALSE	0	12	33
10-Aug-17	RAL	Lake of Egypt	checked zebra mussel trap- none found	10:32	RAL-3	54	FALSE	FALSE	0	12	10
01-Aug-17	RNZO	New Thompson	plan to add more grass carp	11:20	RNZO-1	44	FALSE	FALSE	0	8	18
01-Aug-17	RNZO	New Thompson	plan to add more grass carp	11:28	RNZO-2	40	FALSE	FALSE	0	7	10
01-Aug-17	RNZO	New Thompson	plan to add more grass carp	11:32	RNZO-3	38	FALSE	FALSE	0	8	6
12-Aug-17	RNZO	New Thompson	copper sulfate added to lower moss	13:10	RNZO-1	70	FALSE	FALSE	0	2	18

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
12-Aug-17	RNZO	New Thompson		1.00	0.5	Sunny	Calm/Ripple	SE	Normal or Full	0
12-Aug-17	RNZO	New Thompson		1.00	0.5	Sunny	Calm/Ripple	SE	Normal or Full	0
08-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0.1	Sunny	Calm/Ripple	N	Below Normal	10
08-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0.1	Sunny	Calm/Ripple	N	Below Normal	10
08-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0.1	Sunny	Calm/Ripple	N	Below Normal	10
08-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0.1	Sunny	Calm/Ripple	N	Below Normal	10
27-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10
27-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10
27-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10
27-Aug-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10
23-Aug-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	0.7
23-Aug-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	0.7
23-Aug-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	0.7
23-Aug-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	N	Below Normal	0.7
08-Aug-17	RNZI	Miller	No Selection	12.00	0	Sunny	Calm/Ripple	NW	Below Normal	9
08-Aug-17	RNZI	Miller	No Selection	12.00	0	Sunny	Calm/Ripple	NW	Below Normal	9
08-Aug-17	RNZI	Miller	No Selection	12.00	0	Sunny	Calm/Ripple	NW	Below Normal	9
29-Aug-17	RNZI	Miller	Less Than 5%	4.50	0	Partly Cloudy	Calm/Ripple	E	Below Normal	10
29-Aug-17	RNZI	Miller	Less Than 5%	4.50	0	Partly Cloudy	Calm/Ripple	E	Below Normal	10
29-Aug-17	RNZI	Miller	Less Than 5%	4.50	0	Partly Cloudy	Calm/Ripple	E	Below Normal	10
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
15-Aug-17	RNE	Cedar	Less Than 5%	14.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	90
30-Aug-17	RNE	Cedar	Less Than 5%	12.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	12
30-Aug-17	RNE	Cedar	Less Than 5%	12.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	12
30-Aug-17	RNE	Cedar	Less Than 5%	12.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	12
30-Aug-17	RNE	Cedar	Less Than 5%	12.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	12
30-Aug-17	RNE	Cedar	Less Than 5%	12.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	12
30-Aug-17	RNE	Cedar	Less Than 5%	12.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	12
07-Sep-17	RNC	Kinkaid	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NW	Below Normal	1
07-Sep-17	RNC	Kinkaid	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NW	Below Normal	1
07-Sep-17	RNC	Kinkaid	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NW	Below Normal	1
07-Sep-17	RNC	Kinkaid	Less Than 5%	2.50	0	Sunny	Calm/Ripple	NW	Below Normal	1
07-Sep-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	NW	Below Normal	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
12-Aug-17	RNZO	New Thompson	Many residents remove moss manually	many residents complain about moss
12-Aug-17	RNZO	New Thompson	Many residents remove moss manually	many residents complain about moss
08-Aug-17	RNZG	Spring Arbor		
08-Aug-17	RNZG	Spring Arbor		
08-Aug-17	RNZG	Spring Arbor		
08-Aug-17	RNZG	Spring Arbor		
27-Aug-17	RNZG	Spring Arbor		
27-Aug-17	RNZG	Spring Arbor		
27-Aug-17	RNZG	Spring Arbor		
27-Aug-17	RNZG	Spring Arbor		
23-Aug-17	RNC	Kinkaid		
23-Aug-17	RNC	Kinkaid		
23-Aug-17	RNC	Kinkaid		
23-Aug-17	RNC	Kinkaid		
08-Aug-17	RNZI	Miller		
08-Aug-17	RNZI	Miller		
08-Aug-17	RNZI	Miller		
29-Aug-17	RNZI	Miller		saw eagle on north end, 4 boats fishing
29-Aug-17	RNZI	Miller		saw eagle on north end, 4 boats fishing
29-Aug-17	RNZI	Miller		saw eagle on north end, 4 boats fishing
15-Aug-17	RNE	Cedar		
15-Aug-17	RNE	Cedar		
15-Aug-17	RNE	Cedar		
15-Aug-17	RNE	Cedar		
15-Aug-17	RNE	Cedar		
15-Aug-17	RNE	Cedar		
15-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
30-Aug-17	RNE	Cedar		
07-Sep-17	RNC	Kinkaid	None	None
07-Sep-17	RNC	Kinkaid	None	None
07-Sep-17	RNC	Kinkaid	None	None
07-Sep-17	RNC	Kinkaid	None	None
07-Sep-17	RND	Murphysboro	None	None

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
12-Aug-17	RNZO	New Thompson	copper sulfate added to lower moss	13:12	RNZO-2	70	FALSE	FALSE	0	4	11
12-Aug-17	RNZO	New Thompson	copper sulfate added to lower moss	13:18	RNZO-3	67	FALSE	FALSE	0	4	7
08-Aug-17	RNZG	Spring Arbor		13:20	RNZG-1	39	FALSE	FALSE	0	8	37
08-Aug-17	RNZG	Spring Arbor		13:10	RNZG-2	40	FALSE	FALSE	0	8	25.5
08-Aug-17	RNZG	Spring Arbor		13:30	RNZG-3	39	FALSE	FALSE	0	8	22
08-Aug-17	RNZG	Spring Arbor		13:00	RNZG-4	34	FALSE	FALSE	0	8	7
27-Aug-17	RNZG	Spring Arbor		13:25	RNZG-1	56	FALSE	FALSE	0	17	37
27-Aug-17	RNZG	Spring Arbor		13:10	RNZG-2	55	FALSE	FALSE	0	17	25
27-Aug-17	RNZG	Spring Arbor		13:35	RNZG-3	56	FALSE	FALSE	0	17	22
27-Aug-17	RNZG	Spring Arbor		13:00	RNZG-4	48	FALSE	FALSE	0	17	7
23-Aug-17	RNC	Kinkaid		10:27	RNC-1	69	FALSE	FALSE	0	13	56
23-Aug-17	RNC	Kinkaid		10:03	RNC-2	72	FALSE	FALSE	0	13	39
23-Aug-17	RNC	Kinkaid		09:43	RNC-3	55	FALSE	FALSE	0	13	33
23-Aug-17	RNC	Kinkaid		11:10	RNC-9	57	FALSE	FALSE	0	12	24
08-Aug-17	RNZI	Miller		07:10	RNZI-1	24	FALSE	FALSE	0	12	20
08-Aug-17	RNZI	Miller		07:32	RNZI-2	20	FALSE	FALSE	0	12	13
08-Aug-17	RNZI	Miller		09:35	RNZI-3	12	FALSE	FALSE	0	12	5.5
29-Aug-17	RNZI	Miller		13:00	RNZI-1	24	FALSE	FALSE	0	12	22
29-Aug-17	RNZI	Miller		13:37	RNZI-2	18	FALSE	FALSE	0	12	12.5
29-Aug-17	RNZI	Miller		13:58	RNZI-3	12	FALSE	FALSE	0	12	5.5
15-Aug-17	RNE	Cedar		09:12	RNE-1	92	FALSE	FALSE	0	3	42.5
15-Aug-17	RNE	Cedar		09:26	RNE-2	90	FALSE	FALSE	0	12	35
15-Aug-17	RNE	Cedar		09:46	RNE-3	57	FALSE	FALSE	0	14	18
15-Aug-17	RNE	Cedar		10:12	RNE-4	46	FALSE	FALSE	0	13	14
15-Aug-17	RNE	Cedar		10:35	RNE-5	74	FALSE	FALSE	0	12	38.5
15-Aug-17	RNE	Cedar		10:50	RNE-7	51	FALSE	FALSE	0	12	10
15-Aug-17	RNE	Cedar		11:01	RNE-9	55	FALSE	FALSE	0	12	10
30-Aug-17	RNE	Cedar		09:05	RNE-1	89	FALSE	FALSE	0	8	44
30-Aug-17	RNE	Cedar		09:20	RNE-2	80	FALSE	FALSE	0	8	34
30-Aug-17	RNE	Cedar		09:35	RNE-3	65	FALSE	FALSE	0	12	17
30-Aug-17	RNE	Cedar		09:50	RNE-4	46	FALSE	FALSE	0	12	13
30-Aug-17	RNE	Cedar		10:06	RNE-5	91	FALSE	FALSE	0	12	39.5
30-Aug-17	RNE	Cedar		10:24	RNE-7	57	FALSE	FALSE	0	12	8.5
30-Aug-17	RNE	Cedar		10:35	RNE-9	54	FALSE	FALSE	0	12	10
07-Sep-17	RNC	Kinkaid	None	11:23	RNC-1	72	FALSE	FALSE	0	13	57
07-Sep-17	RNC	Kinkaid	None	10:57	RNC-2	70	FALSE	FALSE	0	13	39
07-Sep-17	RNC	Kinkaid	None	10:32	RNC-3	47	FALSE	FALSE	0	13	36
07-Sep-17	RNC	Kinkaid	None	12:04	RNC-9	60	FALSE	FALSE	0	13	22
07-Sep-17	RND	Murphysboro	None	12:47	RND-1	33	FALSE	FALSE	0	13	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
31-Aug-17	WGZU	Big Bear		1.00	0	Hazy	Moderate Waves	NE	Normal or Full	0
31-Aug-17	WGZU	Big Bear		1.00	0	Hazy	Moderate Waves	NE	Normal or Full	0
31-Aug-17	WGZU	Big Bear		1.00	0	Hazy	Moderate Waves	NE	Normal or Full	0
31-Jul-17	RHJA	Chicago Botanic Garden		4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
31-Jul-17	RHJA	Chicago Botanic Garden		4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
31-Jul-17	RHJA	Chicago Botanic Garden		4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
30-Aug-17	RHJA	Chicago Botanic Garden		8.00	0.61	Sunny	Calm/Ripple	NE	Above Normal	1.5
30-Aug-17	RHJA	Chicago Botanic Garden		8.00	0.61	Sunny	Calm/Ripple	NE	Above Normal	1.5
30-Aug-17	RHJA	Chicago Botanic Garden		8.00	0.61	Sunny	Calm/Ripple	NE	Above Normal	1.5
07-Sep-17	RTW	Silver		4.00	0	Overcast	Small Waves	W	Above Normal	1
07-Sep-17	RTW	Silver		4.00	0	Overcast	Small Waves	W	Above Normal	1
07-Sep-17	RTW	Silver		4.00	0	Overcast	Small Waves	W	Above Normal	1
07-Sep-17	RBD	Vermilion	Less Than 5%	6.00	0.4	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
07-Sep-17	RBD	Vermilion	Less Than 5%	6.00	0.4	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
07-Sep-17	RBD	Vermilion	Less Than 5%	6.00	0.4	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
31-Aug-17	VGZF	Deboer Woods		2.00	0	Partly Cloudy	Moderate Waves	N	Normal or Full	0
31-Aug-17	VGZF	Deboer Woods		2.00	0	Partly Cloudy	Moderate Waves	N	Normal or Full	0
31-Aug-17	VGZF	Deboer Woods		2.00	0	Partly Cloudy	Moderate Waves	N	Normal or Full	0
10-Sep-17	STO	Napa Suwe	Greater than 70%	2.00	0	Sunny	Moderate Waves	E	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
31-Aug-17	WGZU	Big Bear		
31-Aug-17	WGZU	Big Bear		
31-Aug-17	WGZU	Big Bear		
31-Jul-17	RHJA	Chicago Botanic Garden		Severe flooding July 12-23; lake levels rose 5 to 5.5 feet; likely most severe flood ever here
31-Jul-17	RHJA	Chicago Botanic Garden		Severe flooding July 12-23; lake levels rose 5 to 5.5 feet; likely most severe flood ever here
31-Jul-17	RHJA	Chicago Botanic Garden		Severe flooding July 12-23; lake levels rose 5 to 5.5 feet; likely most severe flood ever here
30-Aug-17	RHJA	Chicago Botanic Garden		
30-Aug-17	RHJA	Chicago Botanic Garden		
30-Aug-17	RHJA	Chicago Botanic Garden		
07-Sep-17	RTW	Silver	Cooler	Boating, heron.
07-Sep-17	RTW	Silver	Cooler	Boating, heron.
07-Sep-17	RTW	Silver	Cooler	Boating, heron.
07-Sep-17	RBD	Vermilion	Brown/green tint to water.	
07-Sep-17	RBD	Vermilion	Brown/green tint to water.	
07-Sep-17	RBD	Vermilion	Brown/green tint to water.	
31-Aug-17	VGZF	Deboer Woods	Odor still strong in places	Odor still strong
31-Aug-17	VGZF	Deboer Woods	Odor still strong in places	Odor still strong
31-Aug-17	VGZF	Deboer Woods	Odor still strong in places	Odor still strong
10-Sep-17	STO	Napa Suwe	Rainfall below normal since last monitor.	Very large amounts of filamentous algae throughout the Lake.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
31-Aug-17	WGZU	Big Bear	chemical weed control and mechanical was done week of 8/14/17	13:00	WGZU-1	20	FALSE	FALSE	0	17	10
31-Aug-17	WGZU	Big Bear	chemical weed control and mechanical was done week of 8/14/17	13:25	WGZU-2	18	FALSE	FALSE	0	17	7
31-Aug-17	WGZU	Big Bear	chemical weed control and mechanical was done week of 8/14/17	13:45	WGZU-3	18	FALSE	FALSE	0	17	7
31-Jul-17	RHJA	Chicago Botanic Garden		13:20	RHJA-1	39	FALSE	FALSE	0	12	11.5
31-Jul-17	RHJA	Chicago Botanic Garden		13:55	RHJA-2	36	FALSE	FALSE	0	12	13
31-Jul-17	RHJA	Chicago Botanic Garden		14:10	RHJA-3	33	FALSE	FALSE	0	12	12
30-Aug-17	RHJA	Chicago Botanic Garden		11:50	RHJA-1	27	FALSE	FALSE	0	12	13
30-Aug-17	RHJA	Chicago Botanic Garden		10:55	RHJA-2	43	FALSE	FALSE	0	12	13
30-Aug-17	RHJA	Chicago Botanic Garden		11:15	RHJA-3	25	FALSE	FALSE	0	12	13
07-Sep-17	RTW	Silver	400 aeration. B.P.= 739 Surface temp = 69 F D.O.= 9.8 Bottom temp = 69 F D.O.= 9.4	10:06	RTW-1	144	FALSE	FALSE	1	12	16
07-Sep-17	RTW	Silver	400 aeration. B.P.= 739 Surface temp = 69 F D.O.= 9.8 Bottom temp = 69 F D.O.= 9.4	10:25	RTW-2	84	FALSE	TRUE	2	12	9
07-Sep-17	RTW	Silver	400 aeration. B.P.= 739 Surface temp = 69 F D.O.= 9.8 Bottom temp = 69 F D.O.= 9.4	10:36	RTW-3	60	TRUE	FALSE	3	12	5
07-Sep-17	RBD	Vermilion		10:52	RBD-1	18	FALSE	FALSE	0	0	17
07-Sep-17	RBD	Vermilion		10:36	RBD-2	17	FALSE	FALSE	0	0	110
07-Sep-17	RBD	Vermilion		10:25	RBD-3	10	FALSE	FALSE	0	0	5.5
31-Aug-17	VGZF	Deboer Woods	No change	09:41	VGZF-1	28	FALSE	FALSE	1	12	20
31-Aug-17	VGZF	Deboer Woods	No change	09:50	VGZF-2	27	FALSE	FALSE	0	12	11.6
31-Aug-17	VGZF	Deboer Woods	No change	09:57	VGZF-3	16	FALSE	FALSE	0	12	11.6
10-Sep-17	STO	Napa Suwe	No activity	14:12	STO-1	45	TRUE	FALSE	4	12	4

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
10-Sep-17	STO	Napa Suwe	Greater than 70%	2.00	0	Sunny	Moderate Waves	E	Normal or Full	0
10-Sep-17	STO	Napa Suwe	Greater than 70%	2.00	0	Sunny	Moderate Waves	E	Normal or Full	0
06-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	10.88
06-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	10.88
06-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	10.88
06-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	10.88
06-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	33.96
06-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	33.96
06-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	33.96
06-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0	Sunny	Calm/Ripple	NW	Below Normal	33.96
05-Sep-17	RBU	Crystal	Less Than 5%	2.00	0.01	Sunny	Calm/Ripple	NW	Below Normal	26
05-Sep-17	RBU	Crystal	Less Than 5%	2.00	0.01	Sunny	Calm/Ripple	NW	Below Normal	26
05-Sep-17	RBU	Crystal	Less Than 5%	2.00	0.01	Sunny	Calm/Ripple	NW	Below Normal	26
11-Sep-17	RAL	Lake of Egypt		8.00	0	Sunny	Calm/Ripple	NW	Below Normal	16
11-Sep-17	RAL	Lake of Egypt		8.00	0	Sunny	Calm/Ripple	NW	Below Normal	16
11-Sep-17	RAL	Lake of Egypt		8.00	0	Sunny	Calm/Ripple	NW	Below Normal	16
10-Sep-17	RGZM	Valley	Less Than 5%	1.50	0.02	Sunny	Calm/Ripple	S	Below Normal	1
10-Sep-17	RGZM	Valley	Less Than 5%	1.50	0.02	Sunny	Calm/Ripple	S	Below Normal	1
10-Sep-17	RGZM	Valley	Less Than 5%	1.50	0.02	Sunny	Calm/Ripple	S	Below Normal	1
11-Sep-17	VDE	Catatoga	Less Than 5%	1.50	0	Sunny	Small Waves	NW	Below Normal	7
11-Sep-17	VDE	Catatoga	Less Than 5%	1.50	0	Sunny	Small Waves	NW	Below Normal	7
13-Sep-17	RJD	Dunlap	Less Than 5%	1.50	0.03	Overcast	Calm/Ripple	W	Above Normal	1
13-Sep-17	RJD	Dunlap	Less Than 5%	1.50	0.03	Overcast	Calm/Ripple	W	Above Normal	1
13-Sep-17	RJD	Dunlap	Less Than 5%	1.50	0.03	Overcast	Calm/Ripple	W	Above Normal	1
14-Sep-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NE	Below Normal	20
14-Sep-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NE	Below Normal	20
14-Sep-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NE	Below Normal	20
12-Sep-17	RTZV	Killarney	51% To 70%	5.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
12-Sep-17	RTZV	Killarney	51% To 70%	5.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
12-Sep-17	RTZV	Killarney	51% To 70%	5.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
12-Sep-17	RPZI	Richardson Wildlife		2.00	0	Sunny	Calm/Ripple	NE	Below Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
10-Sep-17	STO	Napa Suwe	Rainfall below normal since last monitor.	Very large amounts of filamentous algae throughout the Lake.
10-Sep-17	STO	Napa Suwe	Rainfall below normal since last monitor.	Very large amounts of filamentous algae throughout the Lake.
06-Sep-17	RDO	Bloomington		
06-Sep-17	RDO	Bloomington		
06-Sep-17	RDO	Bloomington		
06-Sep-17	RDO	Bloomington		
06-Sep-17	SDA	Evergreen		
06-Sep-17	SDA	Evergreen		
06-Sep-17	SDA	Evergreen		
06-Sep-17	SDA	Evergreen		
05-Sep-17	RBU	Crystal		
05-Sep-17	RBU	Crystal		
05-Sep-17	RBU	Crystal		
11-Sep-17	RAL	Lake of Egypt	VERY DRY -NO RAIN	
11-Sep-17	RAL	Lake of Egypt	VERY DRY -NO RAIN	
11-Sep-17	RAL	Lake of Egypt	VERY DRY -NO RAIN	
10-Sep-17	RGZM	Valley		lake is very green
10-Sep-17	RGZM	Valley		lake is very green
10-Sep-17	RGZM	Valley		lake is very green
11-Sep-17	VDE	Catatoga	Less surface vegetation near shores	Algae Filamentos and Southern Naiad present
11-Sep-17	VDE	Catatoga	Less surface vegetation near shores	Algae Filamentos and Southern Naiad present
13-Sep-17	RJD	Dunlap	rain overnight	
13-Sep-17	RJD	Dunlap	rain overnight	
13-Sep-17	RJD	Dunlap	rain overnight	
14-Sep-17	RCE	Sara		
14-Sep-17	RCE	Sara		
14-Sep-17	RCE	Sara		
12-Sep-17	RTZV	Killarney	Moderate discharge continues from culvert on North shore. Water TOK	
12-Sep-17	RTZV	Killarney	Moderate discharge continues from culvert on North shore. Water TOK	
12-Sep-17	RTZV	Killarney	Moderate discharge continues from culvert on North shore. Water TOK	
12-Sep-17	RPZI	Richardson Wildlife	Notably dry weather Aug-Sept	D.O. 7.58 PPM; 89.5% Saturation -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Carex stricta emergent, filamentous algae

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
10-Sep-17	STO	Napa Suwe	No activity	14:24	STO-2	37	FALSE	TRUE	4	12	3
10-Sep-17	STO	Napa Suwe	No activity	14:35	STO-3	51	TRUE	FALSE	3	12	4.5
06-Sep-17	RDO	Bloomington		10:56	RDO-1	24	FALSE	FALSE	0	7	30
06-Sep-17	RDO	Bloomington		11:11	RDO-2	24	FALSE	FALSE	0	8	24
06-Sep-17	RDO	Bloomington		11:31	RDO-3	14	FALSE	FALSE	0	11	12
06-Sep-17	RDO	Bloomington		11:54	RDO-4	18	FALSE	FALSE	0	11	14
06-Sep-17	SDA	Evergreen		09:25	SDA-1	26	FALSE	FALSE	0	9	44
06-Sep-17	SDA	Evergreen		10:05	SDA-2	18	FALSE	FALSE	0	11	8
06-Sep-17	SDA	Evergreen		10:20	SDA-3	14	FALSE	FALSE	0	10	8
06-Sep-17	SDA	Evergreen		09:48	SDA-4	24	FALSE	FALSE	0	10	27
05-Sep-17	RBU	Crystal		10:11	RBU-1	19	FALSE	FALSE	0	8	5
05-Sep-17	RBU	Crystal		10:04	RBU-3	23	FALSE	FALSE	0	12	7
05-Sep-17	RBU	Crystal		09:59	RBU-7	24	FALSE	FALSE	0	8	8.5
11-Sep-17	RAL	Lake of Egypt	Checked zebra mussel trap - none found	10:56	RAL-1	42	FALSE	FALSE	0	12	37
11-Sep-17	RAL	Lake of Egypt	Checked zebra mussel trap - none found	11:15	RAL-2	54	FALSE	FALSE	0	12	30
11-Sep-17	RAL	Lake of Egypt	Checked zebra mussel trap - none found	11:40	RAL-3	38	FALSE	FALSE	0	12	10
10-Sep-17	RGZM	Valley	8-30-17 north end of lake was treated for snails	11:10	RGZM-1	14	FALSE	FALSE	0	3	9.5
10-Sep-17	RGZM	Valley	8-30-17 north end of lake was treated for snails	11:26	RGZM-2	14	FALSE	FALSE	0	13	7.5
10-Sep-17	RGZM	Valley	8-30-17 north end of lake was treated for snails	11:41	RGZM-3	14	FALSE	FALSE	0	13	6.5
11-Sep-17	VDE	Catatoga		11:00	VDE-1	92	FALSE	FALSE	0	8	48
11-Sep-17	VDE	Catatoga		11:20	VDE-2	92	FALSE	FALSE	0	8	32
13-Sep-17	RJD	Dunlap		10:42	RJD-1	34	FALSE	FALSE	0	0	24
13-Sep-17	RJD	Dunlap		10:55	RJD-2	28	FALSE	FALSE	0	0	18
13-Sep-17	RJD	Dunlap		11:05	RJD-3	23	FALSE	FALSE	0	0	8
14-Sep-17	RCE	Sara		11:06	RCE-1	41	FALSE	FALSE	0	0	47
14-Sep-17	RCE	Sara		11:12	RCE-2	37	FALSE	FALSE	0	0	34
14-Sep-17	RCE	Sara		11:20	RCE-3	33	FALSE	FALSE	0	0	18
12-Sep-17	RTZV	Killarney	Aerators are running on 24/7 schedule.	13:55	RTZV-1	96	FALSE	FALSE	0	13	21.5
12-Sep-17	RTZV	Killarney	Aerators are running on 24/7 schedule.	14:25	RTZV-2	96	FALSE	FALSE	1	13	19
12-Sep-17	RTZV	Killarney	Aerators are running on 24/7 schedule.	14:55	RTZV-3	102	FALSE	FALSE	2	13	11
12-Sep-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 8/30/17 Pond treated w 2.5G Cutrine Ultra; 0.75G Clearigate	09:30	RPZI-1	33	FALSE	FALSE	0	8	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
12-Sep-17	RPZI	Richardson Wildlife		2.00	0	Sunny	Calm/Ripple	NE	Below Normal	6
12-Sep-17	RPZI	Richardson Wildlife		2.00	0	Sunny	Calm/Ripple	NE	Below Normal	6
14-Sep-17	STM	La Fox Pond		3.50	0	Overcast	Calm/Ripple	S	Below Normal	6
14-Sep-17	STM	La Fox Pond		3.50	0	Overcast	Calm/Ripple	S	Below Normal	6
14-Sep-17	STM	La Fox Pond		3.50	0	Overcast	Calm/Ripple	S	Below Normal	6
09-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	7
09-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	7
09-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	7
09-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	7
14-Sep-17	VGZF	Deboer Woods		2.00	0	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
14-Sep-17	VGZF	Deboer Woods		2.00	0	Partly Cloudy	Calm/Ripple	E	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
12-Sep-17	RPZI	Richardson Wildlife	Notably dry weather Aug-Sept	D.O. 7.58 PPM; 89.5% Saturation -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Carex stricta emergent, filamentous algae
12-Sep-17	RPZI	Richardson Wildlife	Notably dry weather Aug-Sept	D.O. 7.58 PPM; 89.5% Saturation -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Carex stricta emergent, filamentous algae
14-Sep-17	STM	La Fox Pond	Notably dry Aug-Sept	D.O. 7.67 PPM; 90.1% Saturation -Secchi color readings affected by aquashade blue dye. Secchi color reading recorded as "6" but very nearly "7" Horned Pondweed, some Chara
14-Sep-17	STM	La Fox Pond	Notably dry Aug-Sept	D.O. 7.67 PPM; 90.1% Saturation -Secchi color readings affected by aquashade blue dye. Secchi color reading recorded as "6" but very nearly "7" Horned Pondweed, some Chara
14-Sep-17	STM	La Fox Pond	Notably dry Aug-Sept	D.O. 7.67 PPM; 90.1% Saturation -Secchi color readings affected by aquashade blue dye. Secchi color reading recorded as "6" but very nearly "7" Horned Pondweed, some Chara
09-Sep-17	REZL	Twin Oaks	cool, August drier than normal	water meal (periodic blooms on surface for day or 2 days, seems like after a rain), southern naiad
09-Sep-17	REZL	Twin Oaks	cool, August drier than normal	water meal (periodic blooms on surface for day or 2 days, seems like after a rain), southern naiad
09-Sep-17	REZL	Twin Oaks	cool, August drier than normal	water meal (periodic blooms on surface for day or 2 days, seems like after a rain), southern naiad
09-Sep-17	REZL	Twin Oaks	cool, August drier than normal	water meal (periodic blooms on surface for day or 2 days, seems like after a rain), southern naiad
14-Sep-17	VGZF	Deboer Woods	Blu green algae more numerous	Green algae is clumping throughout the lake. Some lily leaves are covered in blue -green algae. Very strong bad odor.
14-Sep-17	VGZF	Deboer Woods	Blu green algae more numerous	Green algae is clumping throughout the lake. Some lily leaves are covered in blue -green algae. Very strong bad odor.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
12-Sep-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 8/30/17 Pond treated w 2.5G Cutrine Ultra; 0.75G Clearigate	09:45	RPZI-2	33	FALSE	FALSE	0	1	7
12-Sep-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 8/30/17 Pond treated w 2.5G Cutrine Ultra; 0.75G Clearigate	10:00	RPZI-3	33	FALSE	FALSE	1	1	4
14-Sep-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	10:09	STM-1	36	FALSE	FALSE	1	6	9
14-Sep-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	10:15	STM-2	37	FALSE	FALSE	2	6	5.5
14-Sep-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	10:24	STM-3	40	FALSE	FALSE	0	6	6
09-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, color 20 as still see color from Aquashade application in early June 2017	13:00	REZL-1	23	FALSE	FALSE	0	20	4.5
09-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, color 20 as still see color from Aquashade application in early June 2017	13:20	REZL-2	22	FALSE	FALSE	0	20	3.5
09-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, color 20 as still see color from Aquashade application in early June 2017	13:45	REZL-3	22	FALSE	FALSE	0	20	3.5
09-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, color 20 as still see color from Aquashade application in early June 2017	14:05	REZL-4	24	FALSE	FALSE	0	20	4.5
14-Sep-17	VGZF	Deboer Woods	None	12:50	VGZF-1	27	FALSE	FALSE	1	12	21
14-Sep-17	VGZF	Deboer Woods	None	13:07	VGZF-2	21	FALSE	FALSE	1	12	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Sep-17	VGZF	Deboer Woods		2.00	0	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
15-Sep-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
15-Sep-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
15-Sep-17	RTZS	Goose	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SE	Normal or Full	0
12-Sep-17	RDF	Otter	Less Than 5%	6.00	0	Partly Cloudy	Moderate Waves	N	Below Normal	9.5
12-Sep-17	RDF	Otter	Less Than 5%	6.00	0	Partly Cloudy	Moderate Waves	N	Below Normal	9.5
12-Sep-17	RDF	Otter	Less Than 5%	6.00	0	Partly Cloudy	Moderate Waves	N	Below Normal	9.5
12-Sep-17	RDF	Otter	Less Than 5%	6.00	0	Partly Cloudy	Moderate Waves	N	Below Normal	9.5
18-Sep-17	RBU	Crystal	Less Than 5%	2.00	0.04	Sunny	Calm/Ripple	NE	Below Normal	27
18-Sep-17	RBU	Crystal	Less Than 5%	2.00	0.04	Sunny	Calm/Ripple	NE	Below Normal	27
18-Sep-17	RBU	Crystal	Less Than 5%	2.00	0.04	Sunny	Calm/Ripple	NE	Below Normal	27
18-Sep-17	REE	Dawson	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Below Normal	8
18-Sep-17	REE	Dawson	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Below Normal	8
18-Sep-17	REE	Dawson	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Below Normal	8
17-Sep-17	RBD	Vermilion	Less Than 5%	6.00	0	Hazy	Calm/Ripple	W	Below Normal	6
17-Sep-17	RBD	Vermilion	Less Than 5%	6.00	0	Hazy	Calm/Ripple	W	Below Normal	6
17-Sep-17	RBD	Vermilion	Less Than 5%	6.00	0	Hazy	Calm/Ripple	W	Below Normal	6
12-Sep-17	RDR	Spring	Less Than 5%	8.00	0	Hazy	Small Waves	NE	Below Normal	9.5
12-Sep-17	RDR	Spring	Less Than 5%	8.00	0	Hazy	Small Waves	NE	Below Normal	9.5
12-Sep-17	RDR	Spring	Less Than 5%	8.00	0	Hazy	Small Waves	NE	Below Normal	9.5
30-Aug-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
30-Aug-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
30-Aug-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	S	Normal or Full	0
09-Aug-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	SW	Normal or Full	0
09-Aug-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	SW	Normal or Full	0
09-Aug-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	SW	Normal or Full	0
31-Aug-17	RGJ	Butler	51% To 70%	4.00	0	Hazy	Small Waves	NE	No Selection	0
31-Aug-17	RGJ	Butler	51% To 70%	4.00	0	Hazy	Small Waves	NE	No Selection	0
31-Aug-17	RGJ	Butler	51% To 70%	4.00	0	Hazy	Small Waves	NE	No Selection	0
08-Sep-17	RGP	Minear	No Selection	1.00	0.2	Partly Cloudy	Calm/Ripple	N	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Sep-17	VGZF	Deboer Woods	Blu green algae more numerous	Green algae is clumping throughout the lake. Some lily leaves are covered in blue -green algae. Very strong bad odor.
15-Sep-17	RTZS	Goose		
15-Sep-17	RTZS	Goose		
15-Sep-17	RTZS	Goose		
12-Sep-17	RDF	Otter		
12-Sep-17	RDF	Otter		
12-Sep-17	RDF	Otter		
12-Sep-17	RDF	Otter		
18-Sep-17	RBU	Crystal		
18-Sep-17	RBU	Crystal		
18-Sep-17	RBU	Crystal		
18-Sep-17	REE	Dawson		
18-Sep-17	REE	Dawson		
18-Sep-17	REE	Dawson		
17-Sep-17	RBD	Vermilion	Little rain.	
17-Sep-17	RBD	Vermilion	Little rain.	
17-Sep-17	RBD	Vermilion	Little rain.	
12-Sep-17	RDR	Spring		
12-Sep-17	RDR	Spring		
12-Sep-17	RDR	Spring		
30-Aug-17	STC	Little Silver	Mp	No
30-Aug-17	STC	Little Silver	Mp	No
30-Aug-17	STC	Little Silver	Mp	No
09-Aug-17	STC	Little Silver	normal	
09-Aug-17	STC	Little Silver	normal	
09-Aug-17	STC	Little Silver	normal	
31-Aug-17	RGJ	Butler	less plant growth than in July	white water lily, coontail, water stargrass
31-Aug-17	RGJ	Butler	less plant growth than in July	white water lily, coontail, water stargrass
31-Aug-17	RGJ	Butler	less plant growth than in July	white water lily, coontail, water stargrass
08-Sep-17	RGP	Minear	flood	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Sep-17	VGZF	Deboer Woods	None	13:23	VGZF-3	25	FALSE	FALSE	1	12	10
15-Sep-17	RTZS	Goose		13:30	RTZS-1	36	FALSE	FALSE	0	12	14
15-Sep-17	RTZS	Goose		13:40	RTZS-2	36	FALSE	FALSE	0	12	5.5
15-Sep-17	RTZS	Goose		13:45	RTZS-3	34	FALSE	FALSE	0	12	3
12-Sep-17	RDF	Otter		09:25	RDF-1	28	FALSE	FALSE	0	12	49.5
12-Sep-17	RDF	Otter		09:55	RDF-2	27	FALSE	FALSE	0	12	29
12-Sep-17	RDF	Otter		10:50	RDF-3	12	FALSE	FALSE	0	12	8.5
12-Sep-17	RDF	Otter		10:17	RDF-4	22	FALSE	FALSE	0	3	29
18-Sep-17	RBU	Crystal		10:21	RBU-1	23	FALSE	FALSE	0	3	5
18-Sep-17	RBU	Crystal		10:08	RBU-3	28	FALSE	FALSE	0	3	7
18-Sep-17	RBU	Crystal		09:54	RBU-7	29	FALSE	FALSE	0	8	8
18-Sep-17	REE	Dawson	Wind NE @ 5 Water temp 74	11:28	REE-1	30	FALSE	FALSE	0	12	23.5
18-Sep-17	REE	Dawson	Wind NE @ 5 Water temp 74	11:18	REE-2	30	FALSE	FALSE	0	12	12
18-Sep-17	REE	Dawson	Wind NE @ 5 Water temp 74	11:03	REE-3	36	FALSE	FALSE	0	17	6
17-Sep-17	RBD	Vermilion		11:51	RBD-1	25	FALSE	FALSE	0	0	15
17-Sep-17	RBD	Vermilion		11:36	RBD-2	21	FALSE	FALSE	0	0	10.5
17-Sep-17	RBD	Vermilion		11:24	RBD-3	15	FALSE	FALSE	0	0	5
12-Sep-17	RDR	Spring		10:20	RDR-1	17	FALSE	FALSE	0	13	21.5
12-Sep-17	RDR	Spring		09:00	RDR-2	12	FALSE	FALSE	0	13	6.5
12-Sep-17	RDR	Spring		08:35	RDR-3	6	FALSE	FALSE	0	13	1.5
30-Aug-17	STC	Little Silver	No	12:45	STC-1	90	FALSE	FALSE	0	13	19
30-Aug-17	STC	Little Silver	No	12:55	STC-2	84	FALSE	FALSE	0	13	16.5
30-Aug-17	STC	Little Silver	No	13:10	STC-3	54	TRUE	FALSE	2	13	4.5
09-Aug-17	STC	Little Silver	none	13:15	STC-1	96	FALSE	FALSE	0	13	20
09-Aug-17	STC	Little Silver	none	13:30	STC-2	96	FALSE	FALSE	0	13	17.5
09-Aug-17	STC	Little Silver	none	13:40	STC-3	54	TRUE	FALSE	2	13	5
31-Aug-17	RGJ	Butler	not sure - plant growth is significantly lower	17:00	RGJ-1	41	FALSE	TRUE	1	12	7
31-Aug-17	RGJ	Butler	not sure - plant growth is significantly lower	17:15	RGJ-2	37	FALSE	FALSE	2	12	8
31-Aug-17	RGJ	Butler	not sure - plant growth is significantly lower	16:55	RGJ-3	37	FALSE	FALSE	0	12	7
08-Sep-17	RGP	Minear	no boats, no fishing	08:40	RGP-1	24	FALSE	FALSE	0	16	15

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
08-Sep-17	RGP	Minear	No Selection	1.00	0.2	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
08-Sep-17	RGP	Minear	No Selection	1.00	0.2	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
08-Sep-17	RGP	Minear	No Selection	1.00	0.2	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
14-Aug-17	VTJ	Bluff		1.00	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	1
14-Aug-17	VTJ	Bluff		1.00	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	1
14-Aug-17	VTJ	Bluff		1.00	0	Partly Cloudy	Calm/Ripple	SW	Above Normal	1
10-May-17	RTZR	Echo	No Selection	2.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-May-17	RTZR	Echo	No Selection	2.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
10-May-17	RTZR	Echo	No Selection	2.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
24-May-17	RTZR	Echo		2.00	0	Overcast	Calm/Ripple	NONE	Normal or Full	0
24-May-17	RTZR	Echo		2.00	0	Overcast	Calm/Ripple	NONE	Normal or Full	0
24-May-17	RTZR	Echo		2.00	0	Overcast	Calm/Ripple	NONE	Normal or Full	0
27-Jun-17	RTZR	Echo	51% To 70%	1.00	0	Sunny	Moderate Waves	W	Normal or Full	0
27-Jun-17	RTZR	Echo	51% To 70%	1.00	0	Sunny	Moderate Waves	W	Normal or Full	0
27-Jun-17	RTZR	Echo	51% To 70%	1.00	0	Sunny	Moderate Waves	W	Normal or Full	0
16-Jul-17	RTZR	Echo	Greater than 70%	1.00	3	Sunny	Calm/Ripple	NONE	Below Normal	4
16-Jul-17	RTZR	Echo	Greater than 70%	1.00	3	Sunny	Calm/Ripple	NONE	Below Normal	4
16-Jul-17	RTZR	Echo	Greater than 70%	1.00	3	Sunny	Calm/Ripple	NONE	Below Normal	4
30-Aug-17	RTZR	Echo	51% To 70%	2.00	2	Sunny	Calm/Ripple	N	Above Normal	3
30-Aug-17	RTZR	Echo	51% To 70%	2.00	2	Sunny	Calm/Ripple	N	Above Normal	3
30-Aug-17	RTZR	Echo	51% To 70%	2.00	2	Sunny	Calm/Ripple	N	Above Normal	3
27-Jun-17	RTZG	Duck		4.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2.75
27-Jun-17	RTZG	Duck		4.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2.75

Sample Date	Lake Code	Waterbody	Observations	Other Information
08-Sep-17	RGP	Minear	flood	
08-Sep-17	RGP	Minear	flood	
08-Sep-17	RGP	Minear	flood	
14-Aug-17	VTJ	Bluff		surface water temp 86F
14-Aug-17	VTJ	Bluff		surface water temp 86F
14-Aug-17	VTJ	Bluff		surface water temp 86F
10-May-17	RTZR	Echo		
10-May-17	RTZR	Echo		
10-May-17	RTZR	Echo		
24-May-17	RTZR	Echo	consistent rain past 24 hours	heavy rain day before
24-May-17	RTZR	Echo	consistent rain past 24 hours	heavy rain day before
24-May-17	RTZR	Echo	consistent rain past 24 hours	heavy rain day before
27-Jun-17	RTZR	Echo		coontail
27-Jun-17	RTZR	Echo		coontail
27-Jun-17	RTZR	Echo		coontail
16-Jul-17	RTZR	Echo		
16-Jul-17	RTZR	Echo		
16-Jul-17	RTZR	Echo		
30-Aug-17	RTZR	Echo		coontail
30-Aug-17	RTZR	Echo		coontail
30-Aug-17	RTZR	Echo		coontail
27-Jun-17	RTZG	Duck	Lily pads are larger (more mature), lily bed on south end has decreased in size. when was it treated? it was very large last year.	filamentous algae mats along the west shore, sago pondweed plants (quite a few) growing near the lakeshore behind our house on the SW shore. Also behind our house: floating water stargrass, lillies are making a comeback, white and spatterdock growing. Curlyleaf pondweed present
27-Jun-17	RTZG	Duck	Lily pads are larger (more mature), lily bed on south end has decreased in size. when was it treated? it was very large last year.	filamentous algae mats along the west shore, sago pondweed plants (quite a few) growing near the lakeshore behind our house on the SW shore. Also behind our house: floating water stargrass, lillies are making a comeback, white and spatterdock growing. Curlyleaf pondweed present

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
08-Sep-17	RGP	Minear	no boats, no fishing	08:30	RGP-2	24	FALSE	FALSE	0	16	13
08-Sep-17	RGP	Minear	no boats, no fishing	08:50	RGP-3	24	FALSE	FALSE	0	16	18
08-Sep-17	RGP	Minear	no boats, no fishing	09:00	RGP-4	24	FALSE	FALSE	0	16	13
14-Aug-17	VTJ	Bluff	bluff lake was 48" above "normal" during July 2017 flood.	16:10	VTJ-1	30	FALSE	FALSE	0	3	28
14-Aug-17	VTJ	Bluff	bluff lake was 48" above "normal" during July 2017 flood.	16:20	VTJ-2	30	FALSE	FALSE	0	3	6
14-Aug-17	VTJ	Bluff	bluff lake was 48" above "normal" during July 2017 flood.	16:30	VTJ-3	28	FALSE	FALSE	0	3	10.5
10-May-17	RTZR	Echo		11:28	RTZR-1	59	FALSE	FALSE	1	9	7
10-May-17	RTZR	Echo		11:18	RTZR-2	46	FALSE	FALSE	1	7	5
10-May-17	RTZR	Echo		12:03	RTZR-3	31	FALSE	FALSE	0	9	3.5
24-May-17	RTZR	Echo	coontail observed	10:50	RTZR-1	48	FALSE	FALSE	2	8	5.8
24-May-17	RTZR	Echo	coontail observed	11:00	RTZR-2		TRUE	FALSE	0	7	4.2
24-May-17	RTZR	Echo	coontail observed	10:45	RTZR-3	31	FALSE	FALSE	3	7	4
27-Jun-17	RTZR	Echo		12:36	RTZR-1	53	FALSE	FALSE	0	10	11
27-Jun-17	RTZR	Echo		12:47	RTZR-2	49	TRUE	FALSE	0	11	4.8
27-Jun-17	RTZR	Echo		12:25	RTZR-3	41	TRUE	FALSE	0	11	3.5
16-Jul-17	RTZR	Echo	lake treated for coontail on 7/14	14:44	RTZR-1	76	FALSE	FALSE	0	11	10
16-Jul-17	RTZR	Echo	lake treated for coontail on 7/14	14:38	RTZR-2	36	FALSE	TRUE	4	11	5
16-Jul-17	RTZR	Echo	lake treated for coontail on 7/14	14:49	RTZR-3	24	FALSE	TRUE	0	11	3
30-Aug-17	RTZR	Echo		11:56	RTZR-1	24	FALSE	FALSE	4	9	10
30-Aug-17	RTZR	Echo		12:00	RTZR-2	24	FALSE	FALSE	2	9	3
30-Aug-17	RTZR	Echo		11:48	RTZR-3	24	FALSE	TRUE	4	9	3.5
27-Jun-17	RTZG	Duck	all channels were treated targeting CLP using aquathal K on 6/12. The creeks were not reated. A total of 8 acres were treated. before it began raining on 6/14 the lake was below dam levels an the inlet creek was completely covered with watermeal.	12:50	RTZG-1	24	FALSE	FALSE	0	14	9
27-Jun-17	RTZG	Duck	all channels were treated targeting CLP using aquathal K on 6/12. The creeks were not reated. A total of 8 acres were treated. before it began raining on 6/14 the lake was below dam levels an the inlet creek was completely covered with watermeal.	13:05	RTZG-2	25	FALSE	FALSE	0	14	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
27-Jun-17	RTZG	Duck		4.00	0	Partly Cloudy	Calm/Ripple	NW	Above Normal	2.75
08-Aug-17	RTZG	Duck		4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	5.75
08-Aug-17	RTZG	Duck		4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	5.75
08-Aug-17	RTZG	Duck		4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	5.75
30-May-17	RTZG	Duck		4.00	0	Partly Cloudy	Moderate Waves	W	Above Normal	2.25
30-May-17	RTZG	Duck		4.00	0	Partly Cloudy	Moderate Waves	W	Above Normal	2.25
30-May-17	RTZG	Duck		4.00	0	Partly Cloudy	Moderate Waves	W	Above Normal	2.25
21-Sep-17	RJZK	Gamlin	Less Than 5%	1.00	0	Hazy	Calm/Ripple	S	Below Normal	6
21-Sep-17	RJZK	Gamlin	Less Than 5%	1.00	0	Hazy	Calm/Ripple	S	Below Normal	6
21-Sep-17	RJZK	Gamlin	Less Than 5%	1.00	0	Hazy	Calm/Ripple	S	Below Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
27-Jun-17	RTZG	Duck	Lily pads are larger (more mature), lily bed on south end has decreased in size. when was it treated? it was very large last year.	filamentous algae mats along the west shore, sago pondweed plants (quite a few) growing near the lakeshore behind our house on the SW shore. Also behind our house: floating water stargrass, lillies are making a comeback, white and spatterdock growing. Curlyleaf pondweed present
08-Aug-17	RTZG	Duck	No - not water clarity. Chain of Lakes + Duck lake flooded record high. Level just went down low enough to monitor. Slowest flood recede I've ever seen.	7/8: beaver dam was removed from outlet dam-lake banks were ready to overflow 8/8: wildwood channel is still free of watermeal Lilypads are no longer small and stunted now a normal size all over the lake. Most of lily bed on north end is gone.
08-Aug-17	RTZG	Duck	No - not water clarity. Chain of Lakes + Duck lake flooded record high. Level just went down low enough to monitor. Slowest flood recede I've ever seen.	7/8: beaver dam was removed from outlet dam-lake banks were ready to overflow 8/8: wildwood channel is still free of watermeal Lilypads are no longer small and stunted now a normal size all over the lake. Most of lily bed on north end is gone.
08-Aug-17	RTZG	Duck	No - not water clarity. Chain of Lakes + Duck lake flooded record high. Level just went down low enough to monitor. Slowest flood recede I've ever seen.	7/8: beaver dam was removed from outlet dam-lake banks were ready to overflow 8/8: wildwood channel is still free of watermeal Lilypads are no longer small and stunted now a normal size all over the lake. Most of lily bed on north end is gone.
30-May-17	RTZG	Duck	clarity isn't as good now lake used to be full of plants now hardly any.	white lilies with immature leaves adn curlylefa pondweed are the two only plants seen. Pulled up on anchor:CLP
30-May-17	RTZG	Duck	clarity isn't as good now lake used to be full of plants now hardly any.	white lilies with immature leaves adn curlylefa pondweed are the two only plants seen. Pulled up on anchor:CLP
30-May-17	RTZG	Duck	clarity isn't as good now lake used to be full of plants now hardly any.	white lilies with immature leaves adn curlylefa pondweed are the two only plants seen. Pulled up on anchor:CLP
21-Sep-17	RJZK	Gamlin		
21-Sep-17	RJZK	Gamlin		
21-Sep-17	RJZK	Gamlin		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
27-Jun-17	RTZG	Duck	all channels were treated targeting CLP using aquathal K on 6/12. The creeks were not reated. A total of 8 acres were treated. before it began raining on 6/14 the lake was below dam levels an the inlet creek was completely covered with watermeal.	13:25	RTZG-3	24	FALSE	FALSE	3	14	5
08-Aug-17	RTZG	Duck	lily bed on south end is smaller than in past years. I think someone treated the bed on it's east side.	13:30	RTZG-1	24	FALSE	FALSE	0	13	9
08-Aug-17	RTZG	Duck	lily bed on south end is smaller than in past years. I think someone treated the bed on it's east side.	13:45	RTZG-2	23	FALSE	FALSE	1	13	7
08-Aug-17	RTZG	Duck	lily bed on south end is smaller than in past years. I think someone treated the bed on it's east side.	14:00	RTZG-3	24	FALSE	FALSE	0	13	5.5
30-May-17	RTZG	Duck	This spring approx 500 fish were released into Duck Lake: black spotted and yellow grey crappies, small bass +perch	12:30	RTZG-1	37	FALSE	FALSE	0	14	8
30-May-17	RTZG	Duck	This spring approx 500 fish were released into Duck Lake: black spotted and yellow grey crappies, small bass +perch	12:45	RTZG-2	42	FALSE	FALSE	1	14	5.5
30-May-17	RTZG	Duck	This spring approx 500 fish were released into Duck Lake: black spotted and yellow grey crappies, small bass +perch	13:00	RTZG-3	37	FALSE	FALSE	2	14	5
21-Sep-17	RJZK	Gamlin	Lake is clean of algae. Primrose grows around shoreline where triploid carp can't get it.	16:30	RJZK-1	20	FALSE	FALSE	1	15	6.5
21-Sep-17	RJZK	Gamlin	Lake is clean of algae. Primrose grows around shoreline where triploid carp can't get it.	17:00	RJZK-1	22	FALSE	FALSE	1	15	6.5
21-Sep-17	RJZK	Gamlin	Lake is clean of algae. Primrose grows around shoreline where triploid carp can't get it.	17:10	RJZK-1	20	FALSE	FALSE	1	15	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
21-Sep-17	WGZY	Swan	Less Than 5%	2.00	0.23	Sunny	Calm/Ripple	NW	Below Normal	2.88
21-Sep-17	WGZY	Swan	Less Than 5%	2.00	0.23	Sunny	Calm/Ripple	NW	Below Normal	2.88
22-Sep-17	RTW	Silver		4.00	0	Sunny	Small Waves	SW	Above Normal	3
22-Sep-17	RTW	Silver		4.00	0	Sunny	Small Waves	SW	Above Normal	3
22-Sep-17	RTW	Silver		4.00	0	Sunny	Small Waves	SW	Above Normal	3
24-Sep-17	SGB	Virginia	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	4
24-Sep-17	SGB	Virginia	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	4
24-Sep-17	SGB	Virginia	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	4
13-Sep-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	NE	Below Normal	4
13-Sep-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	NE	Below Normal	4
13-Sep-17	RGW	Third	No Selection	2.00	0	Sunny	Small Waves	NE	Below Normal	4
24-Sep-17	RGW	Third	No Selection	2.00	0	Sunny	Calm/Ripple	NONE	Below Normal	6
24-Sep-17	RGW	Third	No Selection	2.00	0	Sunny	Calm/Ripple	NONE	Below Normal	6
24-Sep-17	RGW	Third	No Selection	2.00	0	Sunny	Calm/Ripple	NONE	Below Normal	6
25-Sep-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	S	Below Normal	3
25-Sep-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	S	Below Normal	3
25-Sep-17	RNJ	Devils Kitchen		4.00	0	Sunny	Calm/Ripple	S	Below Normal	3
13-Aug-17	RTJ	Long		2.00	0	Sunny	Small Waves	NE	Above Normal	3
13-Aug-17	RTJ	Long		2.00	0	Sunny	Small Waves	NE	Above Normal	3
13-Aug-17	RTJ	Long		2.00	0	Sunny	Small Waves	NE	Above Normal	3
26-Aug-17	RTJ	Long		4.00	0	Sunny	Moderate Waves	E	Below Normal	1
26-Aug-17	RTJ	Long		4.00	0	Sunny	Moderate Waves	E	Below Normal	1
26-Aug-17	RTJ	Long		4.00	0	Sunny	Moderate Waves	E	Below Normal	1
11-Sep-17	RTJ	Long		4.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	1
11-Sep-17	RTJ	Long		4.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	1
11-Sep-17	RTJ	Long		4.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	1

Sample Date	Lake Code	Waterbody	Observations	Other Information
21-Sep-17	WGZY	Swan	Unusually hot for September at 95° F.	None seen
21-Sep-17	WGZY	Swan	Unusually hot for September at 95° F.	None seen
22-Sep-17	RTW	Silver	Hot with above normal temperatures (record breaking)	Boating, ducks, geese, fishing. Dense weeds (dying off) with algae on top in S/W bay. Some clumps have broken free and been blown north.
22-Sep-17	RTW	Silver	Hot with above normal temperatures (record breaking)	Boating, ducks, geese, fishing. Dense weeds (dying off) with algae on top in S/W bay. Some clumps have broken free and been blown north.
22-Sep-17	RTW	Silver	Hot with above normal temperatures (record breaking)	Boating, ducks, geese, fishing. Dense weeds (dying off) with algae on top in S/W bay. Some clumps have broken free and been blown north.
24-Sep-17	SGB	Virginia	very clear, very hot and very dry	
24-Sep-17	SGB	Virginia	very clear, very hot and very dry	
24-Sep-17	SGB	Virginia	very clear, very hot and very dry	
13-Sep-17	RGW	Third		
13-Sep-17	RGW	Third		
13-Sep-17	RGW	Third		
24-Sep-17	RGW	Third	5th day of record heat	
24-Sep-17	RGW	Third	5th day of record heat	
24-Sep-17	RGW	Third	5th day of record heat	
25-Sep-17	RNJ	Devils Kitchen		
25-Sep-17	RNJ	Devils Kitchen		
25-Sep-17	RNJ	Devils Kitchen		
13-Aug-17	RTJ	Long		
13-Aug-17	RTJ	Long		
13-Aug-17	RTJ	Long		
26-Aug-17	RTJ	Long		
26-Aug-17	RTJ	Long		
26-Aug-17	RTJ	Long		
11-Sep-17	RTJ	Long		
11-Sep-17	RTJ	Long		
11-Sep-17	RTJ	Long		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
21-Sep-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	12:00	WGZY-1	47	FALSE	FALSE	0	12	11.5
21-Sep-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	11:40	WGZY-2	47	FALSE	FALSE	0	12	10.5
22-Sep-17	RTW	Silver	No aeration. Surface temp = 75.7 F D.O.= 9.7 Bottom temp = 72.3 F D.O.= 13.6	08:41	RTW-1	174	FALSE	TRUE	1	12	16
22-Sep-17	RTW	Silver	No aeration. Surface temp = 75.7 F D.O.= 9.7 Bottom temp = 72.3 F D.O.= 13.6	09:21	RTW-2	108	TRUE	FALSE	2	12	9
22-Sep-17	RTW	Silver	No aeration. Surface temp = 75.7 F D.O.= 9.7 Bottom temp = 72.3 F D.O.= 13.6	09:33	RTW-3	60	TRUE	FALSE	3	12	5
24-Sep-17	SGB	Virginia		08:30	SGB-3	342	FALSE	FALSE	0	3	44.5
24-Sep-17	SGB	Virginia		09:00	SGB-2	342	FALSE	FALSE	0	3	44
24-Sep-17	SGB	Virginia		09:20	SGB-1	344	FALSE	FALSE	0	3	62
13-Sep-17	RGW	Third	aerators are off	13:40	RGW-1	74	FALSE	FALSE	-1	12	65
13-Sep-17	RGW	Third	aerators are off	13:51	RGW-2	68	FALSE	FALSE	-1	12	22.5
13-Sep-17	RGW	Third	aerators are off	14:05	RGW-3	60	FALSE	FALSE	-1	12	15.5
24-Sep-17	RGW	Third	algae bloom on lake	10:45	RGW-1	91	FALSE	FALSE	-1	12	65
24-Sep-17	RGW	Third	algae bloom on lake	10:58	RGW-2	87	FALSE	FALSE	-1	12	23.5
24-Sep-17	RGW	Third	algae bloom on lake	11:12	RGW-3	86	FALSE	FALSE	-1	12	21
25-Sep-17	RNJ	Devils Kitchen		10:36	RNJ-1	84	FALSE	FALSE	3	12	40
25-Sep-17	RNJ	Devils Kitchen		10:20	RNJ-2	108	FALSE	FALSE	3	13	25
25-Sep-17	RNJ	Devils Kitchen		09:30	RNJ-3	108	FALSE	FALSE	2	13	25
13-Aug-17	RTJ	Long		15:20	RTJ-1	39	FALSE	FALSE	0	13	25
13-Aug-17	RTJ	Long		15:50	RTJ-2	47	FALSE	FALSE	0	13	27
13-Aug-17	RTJ	Long		15:40	RTJ-3	37	FALSE	FALSE	0	13	18.5
26-Aug-17	RTJ	Long		12:30	RTJ-1	37	FALSE	FALSE	0	13	25
26-Aug-17	RTJ	Long		12:40	RTJ-2	33	FALSE	FALSE	0	13	25
26-Aug-17	RTJ	Long		13:00	RTJ-3	32	FALSE	FALSE	0	13	18
11-Sep-17	RTJ	Long		16:00	RTJ-1	30	FALSE	FALSE	0	13	24
11-Sep-17	RTJ	Long		16:10	RTJ-2	31	FALSE	FALSE	0	13	27
11-Sep-17	RTJ	Long		16:20	RTJ-3	30	FALSE	FALSE	0	13	18

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
23-Sep-17	RTJ	Long		4.00	0	Sunny	Calm/Ripple	W	Below Normal	3
23-Sep-17	RTJ	Long		4.00	0	Sunny	Calm/Ripple	W	Below Normal	3
23-Sep-17	RTJ	Long		4.00	0	Sunny	Calm/Ripple	W	Below Normal	3
20-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	17.04
20-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	17.04
20-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	17.04
20-Sep-17	RDO	Bloomington	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	17.04
20-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	36.96
20-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	36.96
20-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	36.96
20-Sep-17	SDA	Evergreen	Less Than 5%	3.00	0.2	Sunny	Calm/Ripple	W	Below Normal	36.96
11-Sep-17	RGZD	Miltmore		1.50	0	Sunny	Calm/Ripple	SE	Normal or Full	0
11-Sep-17	RGZD	Miltmore		1.50	0	Sunny	Calm/Ripple	SE	Normal or Full	0
11-Sep-17	RGZD	Miltmore		1.50	0	Sunny	Calm/Ripple	SE	Normal or Full	0
26-Sep-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8
26-Sep-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8
26-Sep-17	RGZD	Miltmore		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8
25-Sep-17	RTZV	Killarney	51% To 70%	4.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
25-Sep-17	RTZV	Killarney	51% To 70%	4.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
25-Sep-17	RTZV	Killarney	51% To 70%	4.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
26-Sep-17	VDE	Catatoga		3.00	0	Sunny	Calm/Ripple	W	Below Normal	9
26-Sep-17	VDE	Catatoga		3.00	0	Sunny	Calm/Ripple	W	Below Normal	9
27-Sep-17	RAL	Lake of Egypt		6.00	0	Sunny	White Caps	N	Below Normal	20
27-Sep-17	RAL	Lake of Egypt		6.00	0	Sunny	White Caps	N	Below Normal	20
27-Sep-17	RAL	Lake of Egypt		6.00	0	Sunny	White Caps	N	Below Normal	20

Sample Date	Lake Code	Waterbody	Observations	Other Information
23-Sep-17	RTJ	Long	Significant blue-green algae has been present through late August and September. Does not cover entire lake but usually is most present on calm mornings.	Dissolved oxygen meter was not working properly. Did not get the entire profile. Meter kept resetting.
23-Sep-17	RTJ	Long	Significant blue-green algae has been present through late August and September. Does not cover entire lake but usually is most present on calm mornings.	Dissolved oxygen meter was not working properly. Did not get the entire profile. Meter kept resetting.
23-Sep-17	RTJ	Long	Significant blue-green algae has been present through late August and September. Does not cover entire lake but usually is most present on calm mornings.	Dissolved oxygen meter was not working properly. Did not get the entire profile. Meter kept resetting.
20-Sep-17	RDO	Bloomington		
20-Sep-17	RDO	Bloomington		
20-Sep-17	RDO	Bloomington		
20-Sep-17	RDO	Bloomington		
20-Sep-17	SDA	Evergreen		
20-Sep-17	SDA	Evergreen		
20-Sep-17	SDA	Evergreen		
20-Sep-17	SDA	Evergreen		
11-Sep-17	RGZD	Miltmore		
11-Sep-17	RGZD	Miltmore		
11-Sep-17	RGZD	Miltmore		
26-Sep-17	RGZD	Miltmore	Weather has been unusually dry - i.e., lack of rain	Beaver debris has culvert plugged between Miltmore and Fourth Lake
26-Sep-17	RGZD	Miltmore	Weather has been unusually dry - i.e., lack of rain	Beaver debris has culvert plugged between Miltmore and Fourth Lake
26-Sep-17	RGZD	Miltmore	Weather has been unusually dry - i.e., lack of rain	Beaver debris has culvert plugged between Miltmore and Fourth Lake
25-Sep-17	RTZV	Killarney	Water is still being discharged into lake from culvert along north shore.	None
25-Sep-17	RTZV	Killarney	Water is still being discharged into lake from culvert along north shore.	None
25-Sep-17	RTZV	Killarney	Water is still being discharged into lake from culvert along north shore.	None
26-Sep-17	VDE	Catatoga	Surrounding land very dry due to no rain in a long time. Water level down 2 inches.	Southern Naiid and Algae Filmentos
26-Sep-17	VDE	Catatoga	Surrounding land very dry due to no rain in a long time. Water level down 2 inches.	Southern Naiid and Algae Filmentos
27-Sep-17	RAL	Lake of Egypt	Hot & Dry	
27-Sep-17	RAL	Lake of Egypt	Hot & Dry	
27-Sep-17	RAL	Lake of Egypt	Hot & Dry	

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
23-Sep-17	RTJ	Long		11:30	RTJ-1	37	FALSE	FALSE	0	13	25
23-Sep-17	RTJ	Long		11:45	RTJ-2	28	FALSE	FALSE	0	13	26
23-Sep-17	RTJ	Long		12:00	RTJ-3	27	FALSE	FALSE	0	13	18
20-Sep-17	RDO	Bloomington		10:40	RDO-1	20	FALSE	FALSE	0	11	28
20-Sep-17	RDO	Bloomington		10:53	RDO-2	24	FALSE	FALSE	0	11	24
20-Sep-17	RDO	Bloomington		11:08	RDO-3	14	FALSE	FALSE	0	15	11
20-Sep-17	RDO	Bloomington		11:22	RDO-4	18	FALSE	FALSE	0	11	11
20-Sep-17	SDA	Evergreen		09:08	SDA-1	24	FALSE	FALSE	0	15	41
20-Sep-17	SDA	Evergreen		09:45	SDA-2	16	FALSE	FALSE	0	10	8
20-Sep-17	SDA	Evergreen		09:55	SDA-3	18	FALSE	FALSE	0	16	8
20-Sep-17	SDA	Evergreen		09:27	SDA-4	20	FALSE	FALSE	0	16	32
11-Sep-17	RGZD	Miltmore		11:45	RGZD-1	102	FALSE	FALSE	1	7	15
11-Sep-17	RGZD	Miltmore		12:08	RGZD-2	100	FALSE	FALSE	1	7	11
11-Sep-17	RGZD	Miltmore		12:25	RGZD-3	89	TRUE	FALSE	1	8	7.5
26-Sep-17	RGZD	Miltmore		13:45	RGZD-1	81	FALSE	FALSE	1	7	12
26-Sep-17	RGZD	Miltmore		14:05	RGZD-2	77	FALSE	FALSE	0	7	13.5
26-Sep-17	RGZD	Miltmore		14:20	RGZD-3	69	FALSE	FALSE	0	7	8
25-Sep-17	RTZV	Killarney	Aerators still on 24/7	13:25	RTZV-1	96	FALSE	FALSE	0	3	22
25-Sep-17	RTZV	Killarney	Aerators still on 24/7	13:50	RTZV-2	96	FALSE	FALSE	0	3	19
25-Sep-17	RTZV	Killarney	Aerators still on 24/7	14:20	RTZV-3	84	FALSE	FALSE	1	3	12
26-Sep-17	VDE	Catatoga		11:15	VDE-1	115	FALSE	FALSE	0	8	48
26-Sep-17	VDE	Catatoga		11:55	VDE-2	108	FALSE	FALSE	1	8	32
27-Sep-17	RAL	Lake of Egypt		09:56	RAL-1	60	FALSE	FALSE	0	12	35
27-Sep-17	RAL	Lake of Egypt		10:12	RAL-2	62	FALSE	FALSE	0	12	30
27-Sep-17	RAL	Lake of Egypt		10:25	RAL-3	48	FALSE	FALSE	0	12	8

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
27-Sep-17	RHJA	Chicago Botanic Garden		4.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
27-Sep-17	RHJA	Chicago Botanic Garden		4.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
27-Sep-17	RHJA	Chicago Botanic Garden		4.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
26-Sep-17	RDR	Spring	Less Than 5%	8.00	0	Partly Cloudy	Small Waves	SW	Below Normal	11
26-Sep-17	RDR	Spring	Less Than 5%	8.00	0	Partly Cloudy	Small Waves	SW	Below Normal	11
26-Sep-17	RDR	Spring	Less Than 5%	8.00	0	Partly Cloudy	Small Waves	SW	Below Normal	11
27-Sep-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
27-Sep-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
27-Sep-17	RTZS	Goose	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	N	Normal or Full	0
28-Sep-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Small Waves	N	Below Normal	1.4
28-Sep-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Small Waves	N	Below Normal	1.4
28-Sep-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Small Waves	N	Below Normal	1.4
28-Sep-17	RNC	Kinkaid	Less Than 5%	2.00	0	Sunny	Small Waves	N	Below Normal	1.4
28-Sep-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	N	Below Normal	12
28-Sep-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
28-Sep-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
28-Sep-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
28-Sep-17	RJD	Dunlap	No Selection	#VALUE!	0	Sunny	Calm/Ripple	NW	No Selection	0
28-Sep-17	RJD	Dunlap	No Selection	#VALUE!	0	Sunny	Calm/Ripple	NW	No Selection	0
28-Sep-17	RJD	Dunlap	No Selection	#VALUE!	0	Sunny	Calm/Ripple	NW	No Selection	0
25-Sep-17	VGZF	Deboer Woods		#VALUE!	0	Sunny	Calm/Ripple	S	Below Normal	2
25-Sep-17	VGZF	Deboer Woods		#VALUE!	0	Sunny	Calm/Ripple	S	Below Normal	2
25-Sep-17	VGZF	Deboer Woods		#VALUE!	0	Sunny	Calm/Ripple	S	Below Normal	2
28-Sep-17	REE	Dawson	No Selection	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10
28-Sep-17	REE	Dawson	No Selection	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10

Sample Date	Lake Code	Waterbody	Observations	Other Information
27-Sep-17	RHJA	Chicago Botanic Garden	record heat last 7 days, all were above 90 degrees. Warmest September on record for Chicago O'Hare	
27-Sep-17	RHJA	Chicago Botanic Garden	record heat last 7 days, all were above 90 degrees. Warmest September on record for Chicago O'Hare	
27-Sep-17	RHJA	Chicago Botanic Garden	record heat last 7 days, all were above 90 degrees. Warmest September on record for Chicago O'Hare	
26-Sep-17	RDR	Spring		
26-Sep-17	RDR	Spring		
26-Sep-17	RDR	Spring		
27-Sep-17	RTZS	Goose		
27-Sep-17	RTZS	Goose		
27-Sep-17	RTZS	Goose		
28-Sep-17	RNC	Kinkaid	None	None
28-Sep-17	RNC	Kinkaid	None	None
28-Sep-17	RNC	Kinkaid	None	None
28-Sep-17	RNC	Kinkaid	None	None
28-Sep-17	RND	Murphysboro	None	None
28-Sep-17	RTZZ	Woods Creek	Lack of Rain in over 1 month plus.	Floating vegetative mat found at West end by bridge.
28-Sep-17	RTZZ	Woods Creek	Lack of Rain in over 1 month plus.	Floating vegetative mat found at West end by bridge.
28-Sep-17	RTZZ	Woods Creek	Lack of Rain in over 1 month plus.	Floating vegetative mat found at West end by bridge.
28-Sep-17	RJD	Dunlap	No rain for several weeks prior	
28-Sep-17	RJD	Dunlap	No rain for several weeks prior	
28-Sep-17	RJD	Dunlap	No rain for several weeks prior	
25-Sep-17	VGZF	Deboer Woods	Continuous 7 day record heatwave	Small clumping algae. Bad odor still present but not as strong.
25-Sep-17	VGZF	Deboer Woods	Continuous 7 day record heatwave	Small clumping algae. Bad odor still present but not as strong.
25-Sep-17	VGZF	Deboer Woods	Continuous 7 day record heatwave	Small clumping algae. Bad odor still present but not as strong.
28-Sep-17	REE	Dawson		Water temp 72 Wind N@7
28-Sep-17	REE	Dawson		Water temp 72 Wind N@7

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
27-Sep-17	RHJA	Chicago Botanic Garden		11:35	RHJA-1	33	FALSE	FALSE	0	12	13
27-Sep-17	RHJA	Chicago Botanic Garden		12:10	RHJA-2	48	FALSE	FALSE	0	12	13
27-Sep-17	RHJA	Chicago Botanic Garden		12:25	RHJA-3	33	FALSE	FALSE	0	12	12.5
26-Sep-17	RDR	Spring	both well pumps running 9/13 through9/20 flowing into lake about 100 feet from pump house. at NE corner of East end of lake	10:15	RDR-1	23	FALSE	FALSE	0	12	21.5
26-Sep-17	RDR	Spring	both well pumps running 9/13 through9/20 flowing into lake about 100 feet from pump house. at NE corner of East end of lake	09:15	RDR-2	17	FALSE	FALSE	0	13	6
26-Sep-17	RDR	Spring	both well pumps running 9/13 through9/20 flowing into lake about 100 feet from pump house. at NE corner of East end of lake	08:50	RDR-3	8	FALSE	FALSE	0	13	1.5
27-Sep-17	RTZS	Goose		13:30	RTZS-1	30	FALSE	FALSE	0	12	12.5
27-Sep-17	RTZS	Goose		13:45	RTZS-2	30	FALSE	FALSE	0	12	6.5
27-Sep-17	RTZS	Goose		13:55	RTZS-3	30	TRUE	FALSE	0	12	2.5
28-Sep-17	RNC	Kinkaid	None	10:02	RNC-1	94	FALSE	FALSE	0	13	55
28-Sep-17	RNC	Kinkaid	None	09:38	RNC-2	77	FALSE	FALSE	0	13	39
28-Sep-17	RNC	Kinkaid	None	09:19	RNC-3	50	FALSE	FALSE	0	13	28
28-Sep-17	RNC	Kinkaid	None	10:36	RNC-9	68	FALSE	FALSE	0	13	23
28-Sep-17	RND	Murphysboro	None	11:45	RND-1	31	FALSE	FALSE	0	12	6
28-Sep-17	RTZZ	Woods Creek		12:50	RTZZ-1	36	FALSE	FALSE	0	16	26
28-Sep-17	RTZZ	Woods Creek		13:00	RTZZ-2	36	FALSE	FALSE	0	16	16
28-Sep-17	RTZZ	Woods Creek		13:10	RTZZ-3	36	FALSE	FALSE	0	10	6
28-Sep-17	RJD	Dunlap		10:50	RJD-1	30	FALSE	FALSE	0	0	24
28-Sep-17	RJD	Dunlap		11:05	RJD-2	24	FALSE	FALSE	0	0	18
28-Sep-17	RJD	Dunlap		11:15	RJD-3	21	FALSE	FALSE	0	0	8
25-Sep-17	VGZF	Deboer Woods	None	10:00	VGZF-1	40	FALSE	FALSE	1	12	17
25-Sep-17	VGZF	Deboer Woods	None	10:15	VGZF-2	58	FALSE	FALSE	1	12	11
25-Sep-17	VGZF	Deboer Woods	None	10:22	VGZF-3	60	FALSE	FALSE	1	12	10
28-Sep-17	REE	Dawson		12:12	REE-1	26	FALSE	FALSE	0	12	23.5
28-Sep-17	REE	Dawson		12:00	REE-2	28	FALSE	FALSE	0	12	11.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
28-Sep-17	REE	Dawson	No Selection	1.00	0	Sunny	Calm/Ripple	N	Below Normal	10
29-Sep-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Below Normal	24.5
29-Sep-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Below Normal	24.5
29-Sep-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Below Normal	24.5
20-Aug-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
20-Aug-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
20-Aug-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
20-Aug-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
23-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
23-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
23-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
23-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NONE	No Selection	0
30-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Small Waves	E	No Selection	0
30-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Small Waves	E	No Selection	0
30-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Small Waves	E	No Selection	0
30-Sep-17	RGZG	Forest	Less Than 5%	2.00	0	Sunny	Small Waves	E	No Selection	0
01-Oct-17	VTZ	Charlotte	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	14
01-Oct-17	VTZ	Charlotte	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	14
01-Oct-17	RGV	Druce		2.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	3
01-Oct-17	RGV	Druce		2.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	3
01-Oct-17	RGV	Druce		2.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	3
02-Oct-17	RBU	Crystal	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	25
02-Oct-17	RBU	Crystal	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	25
02-Oct-17	RBU	Crystal	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	25
01-Oct-17	RPV	Candlewick		1.00	0	Partly Cloudy	Small Waves	SE	Below Normal	2
01-Oct-17	RPV	Candlewick		1.00	0	Partly Cloudy	Small Waves	SE	Below Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
28-Sep-17	REE	Dawson		Water temp 72 Wind N@7
29-Sep-17	RCE	Sara	Drought	
29-Sep-17	RCE	Sara	Drought	
29-Sep-17	RCE	Sara	Drought	
20-Aug-17	RGZG	Forest		
20-Aug-17	RGZG	Forest		
20-Aug-17	RGZG	Forest		
20-Aug-17	RGZG	Forest		
23-Sep-17	RGZG	Forest		
23-Sep-17	RGZG	Forest		
23-Sep-17	RGZG	Forest		
23-Sep-17	RGZG	Forest		
30-Sep-17	RGZG	Forest		
30-Sep-17	RGZG	Forest		
30-Sep-17	RGZG	Forest		
30-Sep-17	RGZG	Forest		
01-Oct-17	VTZ	Charlotte	Very dry, minimal rail in last 3 weeks	Leaves and grass clippings on lake surface
01-Oct-17	VTZ	Charlotte	Very dry, minimal rail in last 3 weeks	Leaves and grass clippings on lake surface
01-Oct-17	RGV	Druce	None	
01-Oct-17	RGV	Druce	None	
01-Oct-17	RGV	Druce	None	
02-Oct-17	RBU	Crystal		
02-Oct-17	RBU	Crystal		
02-Oct-17	RBU	Crystal		
01-Oct-17	RPV	Candlewick	No rain, very dry and hot conditions in September	Blue Green algae still present in the dip and Fisherman's Cove
01-Oct-17	RPV	Candlewick	No rain, very dry and hot conditions in September	Blue Green algae still present in the dip and Fisherman's Cove

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
28-Sep-17	REE	Dawson		11:48	REE-3	32	FALSE	FALSE	0	12	6
29-Sep-17	RCE	Sara		11:24	RCE-1	44	FALSE	FALSE	0	0	44
29-Sep-17	RCE	Sara		11:33	RCE-2	46	FALSE	FALSE	0	0	34
29-Sep-17	RCE	Sara		11:40	RCE-3	40	FALSE	FALSE	0	0	17
20-Aug-17	RGZG	Forest		13:35	RGZG-1	41	FALSE	FALSE	0	12	7.5
20-Aug-17	RGZG	Forest		13:45	RGZG-2	34	FALSE	FALSE	0	12	6.5
20-Aug-17	RGZG	Forest		13:55	RGZG-3	26	FALSE	FALSE	0	12	4.5
20-Aug-17	RGZG	Forest		14:00	RGZG-4	47	FALSE	FALSE	0	12	8
23-Sep-17	RGZG	Forest		09:20	RGZG-1	47	FALSE	FALSE	0	12	7
23-Sep-17	RGZG	Forest		09:30	RGZG-2	46	FALSE	FALSE	0	12	6.5
23-Sep-17	RGZG	Forest		09:35	RGZG-3	43	FALSE	FALSE	0	12	4.5
23-Sep-17	RGZG	Forest		09:45	RGZG-4	24	FALSE	FALSE	0	12	8
30-Sep-17	RGZG	Forest		11:27	RGZG-1	27	FALSE	FALSE	0	12	7
30-Sep-17	RGZG	Forest		11:35	RGZG-2	25	FALSE	FALSE	0	12	6
30-Sep-17	RGZG	Forest		11:45	RGZG-3	29	FALSE	FALSE	0	12	4.5
30-Sep-17	RGZG	Forest		11:55	RGZG-4	36	FALSE	FALSE	0	12	8
01-Oct-17	VTZ	Charlotte	Will be stocking fathead minnows in 2 weeks	10:50	VTZ-1	78	FALSE	FALSE	0	17	11
01-Oct-17	VTZ	Charlotte	Will be stocking fathead minnows in 2 weeks	11:20	VTZ-2	37	TRUE	FALSE	0	17	3
01-Oct-17	RGV	Druce		14:22	RGV-1	109	FALSE	FALSE	0	8	27.5
01-Oct-17	RGV	Druce		14:32	RGV-2	104	FALSE	FALSE	0	3	27.5
01-Oct-17	RGV	Druce		14:42	RGV-3	100	FALSE	FALSE	0	3	17
02-Oct-17	RBU	Crystal	Contracted with a group to manually remove watermeal as a trial nutrient removal technique.	10:30	RBU-1	18	FALSE	FALSE	0	17	5.5
02-Oct-17	RBU	Crystal	Contracted with a group to manually remove watermeal as a trial nutrient removal technique.	10:14	RBU-3	26	FALSE	FALSE	0	8	7
02-Oct-17	RBU	Crystal	Contracted with a group to manually remove watermeal as a trial nutrient removal technique.	09:57	RBU-7	28	FALSE	FALSE	0	8	8.5
01-Oct-17	RPV	Candlewick	Continued to harvest algae, hybrid milfoil, and coontail throughout August and September, almost daily. Chemical treatment with Cutrine Ultra and Tribune - 8/7, 8/15, 8/30, 8/23 and 8/24, 9/6 and 9/7.	16:30	RPV-1	24	FALSE	FALSE	0	3	28
01-Oct-17	RPV	Candlewick	Continued to harvest algae, hybrid milfoil, and coontail throughout August and September, almost daily. Chemical treatment with Cutrine Ultra and Tribune - 8/7, 8/15, 8/30, 8/23 and 8/24, 9/6 and 9/7.	16:45	RPV-2	24	FALSE	FALSE	0	3	15

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
01-Oct-17	RPV	Candlewick		1.00	0	Partly Cloudy	Small Waves	SE	Below Normal	2
27-Sep-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Overcast	Calm/Ripple	NW	Below Normal	6
27-Sep-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Overcast	Calm/Ripple	NW	Below Normal	6
27-Sep-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0	Overcast	Calm/Ripple	NW	Below Normal	6
28-Sep-17	STM	La Fox Pond		3.00	0	Sunny	Calm/Ripple	N	Below Normal	6
28-Sep-17	STM	La Fox Pond		3.00	0	Sunny	Calm/Ripple	N	Below Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
01-Oct-17	RPV	Candlewick	No rain, very dry and hot conditions in September	Blue Green algae still present in the dip and Fisherman's Cove
27-Sep-17	RPZI	Richardson Wildlife	Dry weather, unseasonably warm	D.O. 4.78 PPM; 59.6% Saturation Temp: 74.7' F; 23.1' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Pithophora algae, planktonic algae
27-Sep-17	RPZI	Richardson Wildlife	Dry weather, unseasonably warm	D.O. 4.78 PPM; 59.6% Saturation Temp: 74.7' F; 23.1' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Pithophora algae, planktonic algae
27-Sep-17	RPZI	Richardson Wildlife	Dry weather, unseasonably warm	D.O. 4.78 PPM; 59.6% Saturation Temp: 74.7' F; 23.1' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Pithophora algae, planktonic algae
28-Sep-17	STM	La Fox Pond	Hot, dry weather	D.O. 5.66 PPM; 69.3% Saturation Temp: 72.7'F; 22.7'C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara, very minor amt of filamentous algae, Spike rush emergent on fringe
28-Sep-17	STM	La Fox Pond	Hot, dry weather	D.O. 5.66 PPM; 69.3% Saturation Temp: 72.7'F; 22.7'C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara, very minor amt of filamentous algae, Spike rush emergent on fringe

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
01-Oct-17	RPV	Candlewick	Continued to harvest algae, hybrid milfoil, and coontail throughout August and September, almost daily. Chemical treatment with Cutrine Ultra and Tribune - 8/7, 8/15, 8/30, 8/23 and 8/24, 9/6 and 9/7.	17:00	RPV-3	24	FALSE	FALSE	0	3	7
27-Sep-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 9/13/17 applied 2.5G Cutrine Ultra; 1.5G Clearigate; and 5G aquashade dye 9/20/17 applied 2.5G Cutrine Ultra; 2.5G Clearigate 9/26/17 applied 2.5 G Aquastrike	09:00	RPZI-1	30	FALSE	FALSE	0	5	6
27-Sep-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 9/13/17 applied 2.5G Cutrine Ultra; 1.5G Clearigate; and 5G aquashade dye 9/20/17 applied 2.5G Cutrine Ultra; 2.5G Clearigate 9/26/17 applied 2.5 G Aquastrike	09:10	RPZI-2	25	FALSE	FALSE	0	5	7
27-Sep-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom. 9/13/17 applied 2.5G Cutrine Ultra; 1.5G Clearigate; and 5G aquashade dye 9/20/17 applied 2.5G Cutrine Ultra; 2.5G Clearigate 9/26/17 applied 2.5 G Aquastrike	09:18	RPZI-3	27	FALSE	FALSE	0	5	3.5
28-Sep-17	STM	La Fox Pond	Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	11:01	STM-1	41	FALSE	FALSE	0	1	9
28-Sep-17	STM	La Fox Pond	Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	11:09	STM-2	37	FALSE	FALSE	1	1	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
28-Sep-17	STM	La Fox Pond		3.00	0	Sunny	Calm/Ripple	N	Below Normal	6
30-Aug-17	RNU	Jaycee	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	6
30-Aug-17	RNU	Jaycee	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	6
30-Aug-17	RNU	Jaycee	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	6
06-Sep-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Below Normal	17
06-Sep-17	RNI	Carbondale	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Below Normal	17
08-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	12
08-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	12
08-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	12
08-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	12
18-Sep-17	RAZP	Arcadia	Less Than 5%	0.50	0.25	Overcast	Calm/Ripple	S	Below Normal	6
18-Sep-17	RAZP	Arcadia	Less Than 5%	0.50	0.25	Overcast	Calm/Ripple	S	Below Normal	6
18-Sep-17	RAZP	Arcadia	Less Than 5%	0.50	0.25	Overcast	Calm/Ripple	S	Below Normal	6
02-Oct-17	RGZB	Hastings		6.00	0	Partly Cloudy	Moderate Waves	SE	Below Normal	0
02-Oct-17	RGZB	Hastings		6.00	0	Partly Cloudy	Moderate Waves	SE	Below Normal	0
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15

Sample Date	Lake Code	Waterbody	Observations	Other Information
28-Sep-17	STM	La Fox Pond	Hot, dry weather	D.O. 5.66 PPM; 69.3% Saturation Temp: 72.7°F; 22.7°C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara, very minor amt of filamentous algae, Spike rush emergent on fringe
30-Aug-17	RNU	Jaycee	Growth of "lily" pads has increased	
30-Aug-17	RNU	Jaycee	Growth of "lily" pads has increased	
30-Aug-17	RNU	Jaycee	Growth of "lily" pads has increased	
06-Sep-17	RNI	Carbondale		
06-Sep-17	RNI	Carbondale		
08-Sep-17	RNZG	Spring Arbor		
08-Sep-17	RNZG	Spring Arbor		
08-Sep-17	RNZG	Spring Arbor		
08-Sep-17	RNZG	Spring Arbor		
18-Sep-17	RAZP	Arcadia		
18-Sep-17	RAZP	Arcadia		
18-Sep-17	RAZP	Arcadia		
02-Oct-17	RGZB	Hastings	No rain in the month of Sept. Very dry	Site - Silty bottom at 26 feet as confirmed by anchor. DO 11.5 mg/L at Hastings Creek outflow DO 8 mg/L along NE shore outside of cattails DO 9.1 mg/L just south of steel posts at north end of lake. The lake bottom is sand/cobble/stone/rock along the NE shore line. Fisherman reported fishing was good this week but lousy today. (Think this is a fish story)
02-Oct-17	RGZB	Hastings	No rain in the month of Sept. Very dry	Site - Silty bottom at 26 feet as confirmed by anchor. DO 11.5 mg/L at Hastings Creek outflow DO 8 mg/L along NE shore outside of cattails DO 9.1 mg/L just south of steel posts at north end of lake. The lake bottom is sand/cobble/stone/rock along the NE shore line. Fisherman reported fishing was good this week but lousy today. (Think this is a fish story)
14-Sep-17	RNE	Cedar		
14-Sep-17	RNE	Cedar		
14-Sep-17	RNE	Cedar		
14-Sep-17	RNE	Cedar		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
28-Sep-17	STM	La Fox Pond	Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	11:22	STM-3	37	FALSE	FALSE	2	1	6
30-Aug-17	RNU	Jaycee		11:35	RNU-1	84	FALSE	FALSE	1	12	19
30-Aug-17	RNU	Jaycee		11:45	RNU-2	72	FALSE	FALSE	2	12	12
30-Aug-17	RNU	Jaycee		11:52	RNU-3		FALSE	TRUE			5.5
06-Sep-17	RNI	Carbondale		12:23	RNI-1	11	FALSE	FALSE	0	12	7.6
06-Sep-17	RNI	Carbondale		12:33	RNI-2	10	FALSE	FALSE	0	12	8
08-Sep-17	RNZG	Spring Arbor		13:15	RNZG-1	46	FALSE	FALSE	0	17	37
08-Sep-17	RNZG	Spring Arbor		13:20	RNZG-2	46	FALSE	FALSE	0	17	25
08-Sep-17	RNZG	Spring Arbor		13:50	RNZG-3	46	FALSE	FALSE	0	17	22.5
08-Sep-17	RNZG	Spring Arbor		13:35	RNZG-4	41	FALSE	FALSE	0	17	6.5
18-Sep-17	RAZP	Arcadia		14:00	RAZP-1	37	FALSE	FALSE	0	3	22
18-Sep-17	RAZP	Arcadia		14:15	RAZP-2	36	FALSE	FALSE	0	3	11
18-Sep-17	RAZP	Arcadia		14:30	RAZP-3	35	FALSE	FALSE	0	3	10
02-Oct-17	RGZB	Hastings		10:50	RGZB-1	36	FALSE	FALSE	0	13	26
02-Oct-17	RGZB	Hastings		10:25	RGZB-3	40	FALSE	FALSE	0	13	14
14-Sep-17	RNE	Cedar		13:23	RNE-1	69	FALSE	FALSE	0	13	42
14-Sep-17	RNE	Cedar		13:44	RNE-2	58	FALSE	FALSE	0	13	34
14-Sep-17	RNE	Cedar		14:03	RNE-3	48	FALSE	FALSE	0	13	16
14-Sep-17	RNE	Cedar		14:20	RNE-4	35	FALSE	FALSE	0	13	18

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15
14-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0.25	Sunny	No Selection	NONE	Below Normal	15
05-Sep-17	RNZI	Miller	Less Than 5%	4.50	0	Partly Cloudy	Calm/Ripple	W	Below Normal	12
05-Sep-17	RNZI	Miller	Less Than 5%	4.50	0	Partly Cloudy	Calm/Ripple	W	Below Normal	12
05-Sep-17	RNZI	Miller	Less Than 5%	4.50	0	Partly Cloudy	Calm/Ripple	W	Below Normal	12
19-Sep-17	RNZI	Miller	Less Than 5%	4.00	0.1	Partly Cloudy	Calm/Ripple	NONE	Below Normal	12
19-Sep-17	RNZI	Miller	Less Than 5%	4.00	0.1	Partly Cloudy	Calm/Ripple	NONE	Below Normal	12
19-Sep-17	RNZI	Miller	Less Than 5%	4.00	0.1	Partly Cloudy	Calm/Ripple	NONE	Below Normal	12
19-Sep-17	RNZH	Campus	Less Than 5%	4.00	0.2	Sunny	Calm/Ripple	W	Normal or Full	0
19-Sep-17	RNZH	Campus	Less Than 5%	4.00	0.2	Sunny	Calm/Ripple	W	Normal or Full	0
19-Sep-17	RNZH	Campus	Less Than 5%	4.00	0.2	Sunny	Calm/Ripple	W	Normal or Full	0
01-Oct-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Small Waves	SE	Below Normal	6
01-Oct-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Small Waves	SE	Below Normal	6
01-Oct-17	RBD	Vermilion	Less Than 5%	6.00	0	Partly Cloudy	Small Waves	SE	Below Normal	6
03-Oct-17	RNC	Kinkaid	Less Than 5%	6.00	0	Overcast	Small Waves	W	Below Normal	18
03-Oct-17	RNC	Kinkaid	Less Than 5%	6.00	0	Overcast	Small Waves	W	Below Normal	18
03-Oct-17	RNC	Kinkaid	Less Than 5%	6.00	0	Overcast	Small Waves	W	Below Normal	18
03-Oct-17	RNC	Kinkaid	Less Than 5%	6.00	0	Overcast	Small Waves	W	Below Normal	18
03-Oct-17	RAL	Lake of Egypt		9.00	0	Overcast	Moderate Waves	SW	Below Normal	21
03-Oct-17	RAL	Lake of Egypt		9.00	0	Overcast	Moderate Waves	SW	Below Normal	21
03-Oct-17	RAL	Lake of Egypt		9.00	0	Overcast	Moderate Waves	SW	Below Normal	21
03-Oct-17	RND	Murphysboro	Less Than 5%	0.50	0	Overcast	Small Waves	S	Below Normal	13
04-Oct-17	SGB	Virginia	Less Than 5%	2.00	0	Sunny	Calm/Ripple	W	Below Normal	0
04-Oct-17	SGB	Virginia	Less Than 5%	2.00	0	Sunny	Calm/Ripple	W	Below Normal	0
04-Oct-17	SGB	Virginia	Less Than 5%	2.00	0	Sunny	Calm/Ripple	W	Below Normal	0
30-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	6
30-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	6
30-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Sep-17	RNE	Cedar		
14-Sep-17	RNE	Cedar		
14-Sep-17	RNE	Cedar		
05-Sep-17	RNZI	Miller	60 degrees	eagle on N end, 1 fish boat
05-Sep-17	RNZI	Miller	60 degrees	eagle on N end, 1 fish boat
05-Sep-17	RNZI	Miller	60 degrees	eagle on N end, 1 fish boat
19-Sep-17	RNZI	Miller		
19-Sep-17	RNZI	Miller		
19-Sep-17	RNZI	Miller		
19-Sep-17	RNZH	Campus		Few small rafts of floating pond weed <10cm length
19-Sep-17	RNZH	Campus		Few small rafts of floating pond weed <10cm length
19-Sep-17	RNZH	Campus		Few small rafts of floating pond weed <10cm length
01-Oct-17	RBD	Vermilion	In sunlight, the water has a green tint.	
01-Oct-17	RBD	Vermilion	In sunlight, the water has a green tint.	
01-Oct-17	RBD	Vermilion	In sunlight, the water has a green tint.	
03-Oct-17	RNC	Kinkaid	None	None
03-Oct-17	RNC	Kinkaid	None	None
03-Oct-17	RNC	Kinkaid	None	None
03-Oct-17	RNC	Kinkaid	None	None
03-Oct-17	RAL	Lake of Egypt		
03-Oct-17	RAL	Lake of Egypt		
03-Oct-17	RAL	Lake of Egypt		
03-Oct-17	RND	Murphysboro	None	None
04-Oct-17	SGB	Virginia	very dry...no rain for 6 weeks	
04-Oct-17	SGB	Virginia	very dry...no rain for 6 weeks	
04-Oct-17	SGB	Virginia	very dry...no rain for 6 weeks	
30-Sep-17	REZL	Twin Oaks	15th driest Sept.; 23rd warmest Sept.; since June ~8" below average; ~3.2F above average (66.2F)--11 days >90F, record 95F on 9/20	watermeal, southern naiad, green filaments
30-Sep-17	REZL	Twin Oaks	15th driest Sept.; 23rd warmest Sept.; since June ~8" below average; ~3.2F above average (66.2F)--11 days >90F, record 95F on 9/20	watermeal, southern naiad, green filaments
30-Sep-17	REZL	Twin Oaks	15th driest Sept.; 23rd warmest Sept.; since June ~8" below average; ~3.2F above average (66.2F)--11 days >90F, record 95F on 9/20	watermeal, southern naiad, green filaments

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Sep-17	RNE	Cedar		14:40	RNE-5	70	FALSE	FALSE	0	13	39
14-Sep-17	RNE	Cedar		14:58	RNE-7	60	FALSE	FALSE	0	13	9
14-Sep-17	RNE	Cedar		15:07	RNE-9	67	FALSE	FALSE	0	13	10
05-Sep-17	RNZI	Miller		07:04	RNZI-1	24	FALSE	FALSE	0	12	22
05-Sep-17	RNZI	Miller		07:25	RNZI-2	18	FALSE	FALSE	0	12	10
05-Sep-17	RNZI	Miller		07:37	RNZI-3	14	FALSE	FALSE	0	12	5
19-Sep-17	RNZI	Miller		07:00	RNZI-1	24	FALSE	FALSE	0	12	20
19-Sep-17	RNZI	Miller		07:18	RNZI-2	20	FALSE	FALSE	0	12	11
19-Sep-17	RNZI	Miller		07:29	RNZI-3	14	FALSE	FALSE	0	12	5
19-Sep-17	RNZH	Campus		15:00	RNZH-1	28	FALSE	FALSE	0	6	8
19-Sep-17	RNZH	Campus		15:22	RNZH-2	29	FALSE	FALSE	0	6	12.5
19-Sep-17	RNZH	Campus		16:20	RNZH-3	34	FALSE	FALSE	0	6	13
01-Oct-17	RBD	Vermilion		14:17	RBD-1	19	FALSE	FALSE	0	0	14
01-Oct-17	RBD	Vermilion		14:03	RBD-2	22	FALSE	FALSE	0	0	10.5
01-Oct-17	RBD	Vermilion		13:54	RBD-3	13	FALSE	FALSE	0	0	4.5
03-Oct-17	RNC	Kinkaid	None	09:55	RNC-1	84	FALSE	FALSE	0	13	56
03-Oct-17	RNC	Kinkaid	None	09:18	RNC-2	80	FALSE	FALSE	0	13	38
03-Oct-17	RNC	Kinkaid	None	09:00	RNC-3	60	FALSE	FALSE	0	12	27
03-Oct-17	RNC	Kinkaid	None	10:41	RNC-9	75	FALSE	FALSE	0	13	21
03-Oct-17	RAL	Lake of Egypt		10:22	RAL-1	58	FALSE	FALSE	0	12	35
03-Oct-17	RAL	Lake of Egypt		10:45	RAL-2	64	FALSE	FALSE	0	12	30
03-Oct-17	RAL	Lake of Egypt		11:01	RAL-3	48	FALSE	FALSE	0	12	7
03-Oct-17	RND	Murphysboro	None	13:28	RND-1	25	FALSE	FALSE	0	12	6
04-Oct-17	SGB	Virginia		13:30	SGB-2	248	FALSE	FALSE	0	8	44
04-Oct-17	SGB	Virginia		13:45	SGB-1	273	FALSE	FALSE	0	2	63
04-Oct-17	SGB	Virginia		13:20	SGB-3	264	FALSE	FALSE	0	3	42.5
30-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, 2nd Aquashade application ~mid-July	15:00	REZL-1	26	FALSE	FALSE	0	20	4.5
30-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, 2nd Aquashade application ~mid-July	14:40	REZL-2	30	FALSE	FALSE	0	17	3.5
30-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, 2nd Aquashade application ~mid-July	14:05	REZL-3	25	FALSE	FALSE	0	17	3.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
30-Sep-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NE	Below Normal	6
04-Oct-17	RDF	Otter	Less Than 5%	4.00	0	Overcast	Small Waves	S	Below Normal	14
04-Oct-17	RDF	Otter	Less Than 5%	4.00	0	Overcast	Small Waves	S	Below Normal	14
04-Oct-17	RDF	Otter	Less Than 5%	4.00	0	Overcast	Small Waves	S	Below Normal	14
04-Oct-17	RDF	Otter	Less Than 5%	4.00	0	Overcast	Small Waves	S	Below Normal	14
25-Sep-17	RGZM	Valley	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NONE	Below Normal	3
25-Sep-17	RGZM	Valley	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NONE	Below Normal	3
25-Sep-17	RGZM	Valley	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NONE	Below Normal	3
06-Sep-17	VTJ	Bluff		0.50	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
06-Sep-17	VTJ	Bluff		0.50	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
06-Sep-17	VTJ	Bluff		0.50	0	Partly Cloudy	Calm/Ripple	W	Above Normal	2
23-Sep-17	VTJ	Bluff		0.50	0	Sunny	Calm/Ripple	SW	Normal or Full	0
23-Sep-17	VTJ	Bluff		0.50	0	Sunny	Calm/Ripple	SW	Normal or Full	0
23-Sep-17	VTJ	Bluff		0.50	0	Sunny	Calm/Ripple	SW	Normal or Full	0
13-Aug-17	RTD	Catherine	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
13-Aug-17	RTD	Catherine	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
13-Aug-17	RTD	Catherine	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NE	Normal or Full	0
27-Aug-17	RTD	Catherine	Less Than 5%	1.00	0	Overcast	Small Waves	S	Below Normal	4
27-Aug-17	RTD	Catherine	Less Than 5%	1.00	0	Overcast	Small Waves	S	Below Normal	4
27-Aug-17	RTD	Catherine	Less Than 5%	1.00	0	Overcast	Small Waves	S	Below Normal	4
28-Sep-17	RNI	Carbondale	No Selection	2.00	0	Sunny	Calm/Ripple	N	Below Normal	18
28-Sep-17	RNI	Carbondale	No Selection	2.00	0	Sunny	Calm/Ripple	N	Below Normal	18
16-Sep-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	30
16-Sep-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	30
16-Sep-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	30
27-Sep-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	36
27-Sep-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	36
27-Sep-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	NW	Below Normal	36
24-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	14
24-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	14
24-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	14
24-Sep-17	RNZG	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	14
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
30-Sep-17	REZL	Twin Oaks	aerators on, groundwater pump on, 2nd Aquashade application ~mid-July	13:45	REZL-4	22	FALSE	FALSE	0	17	4.5
04-Oct-17	RDF	Otter		09:00	RDF-1	36	FALSE	FALSE	0	12	48.5
04-Oct-17	RDF	Otter		09:20	RDF-2	33	FALSE	FALSE	0	12	29
04-Oct-17	RDF	Otter		10:00	RDF-3	15	FALSE	FALSE	0	12	7
04-Oct-17	RDF	Otter		09:40	RDF-4	29	FALSE	FALSE	0	12	28.5
25-Sep-17	RGZM	Valley	has not been treated for algae since June	10:23	RGZM-1	24	FALSE	FALSE	0	3	9
25-Sep-17	RGZM	Valley	has not been treated for algae since June	10:38	RGZM-2	25	FALSE	FALSE	0	3	7.5
25-Sep-17	RGZM	Valley	has not been treated for algae since June	10:50	RGZM-3	24	FALSE	FALSE	0	3	6
06-Sep-17	VTJ	Bluff		13:50	VTJ-1	24	FALSE	FALSE	0	3	26.5
06-Sep-17	VTJ	Bluff		13:40	VTJ-2	30	FALSE	FALSE	0	3	16.5
06-Sep-17	VTJ	Bluff		14:00	VTJ-3	30	FALSE	FALSE	0	3	10.5
23-Sep-17	VTJ	Bluff		12:00	VTJ-1	24	FALSE	FALSE	0	8	29
23-Sep-17	VTJ	Bluff		12:20	VTJ-2	22	FALSE	FALSE	0	3	22
23-Sep-17	VTJ	Bluff		12:10	VTJ-3	23	FALSE	FALSE	0	3	7.5
13-Aug-17	RTD	Catherine		10:19	RTD-2	34	FALSE	FALSE	0	12	33
13-Aug-17	RTD	Catherine		10:10	RTD-1	39	FALSE	FALSE	0	12	39
13-Aug-17	RTD	Catherine		10:38	RTD-3	33	FALSE	FALSE	0	12	31.5
27-Aug-17	RTD	Catherine		15:06	RTD-1	38	FALSE	FALSE	0	12	38.5
27-Aug-17	RTD	Catherine		15:27	RTD-2	32	FALSE	FALSE	0	12	32
27-Aug-17	RTD	Catherine		15:43	RTD-3	32	FALSE	FALSE	0	12	30.5
28-Sep-17	RNI	Carbondale		10:30	RNI-1	12	FALSE	FALSE	0	12	6
28-Sep-17	RNI	Carbondale		10:45	RNI-2	12	FALSE	FALSE	0	12	6.6
16-Sep-17	SNA	Chautauqua		14:50	SNA-1	22	FALSE	FALSE	0	12	18.5
16-Sep-17	SNA	Chautauqua		14:40	SNA-2	23	FALSE	FALSE	0	12	18
16-Sep-17	SNA	Chautauqua		14:30	SNA-3	6	TRUE	FALSE	0	12	0.5
27-Sep-17	SNA	Chautauqua		14:30	SNA-1	27	FALSE	FALSE	0	12	14
27-Sep-17	SNA	Chautauqua		14:20	SNA-2	27	FALSE	FALSE	0	13	11
27-Sep-17	SNA	Chautauqua		14:10	SNA-3	4	TRUE	FALSE	0	12	0.5
24-Sep-17	RNZG	Spring Arbor		13:00	RNZG-1	65	FALSE	FALSE	0	17	37
24-Sep-17	RNZG	Spring Arbor		12:50	RNZG-2	65	FALSE	FALSE	0	17	15
24-Sep-17	RNZG	Spring Arbor		12:45	RNZG-3	63	FALSE	FALSE	0	17	12
24-Sep-17	RNZG	Spring Arbor		12:40	RNZG-4	60	FALSE	FALSE	0	17	6.5
26-Sep-17	RNE	Cedar		08:50	RNE-1	103	FALSE	FALSE	0	9	42
26-Sep-17	RNE	Cedar		09:30	RNE-2	102	FALSE	FALSE	0	9	40
26-Sep-17	RNE	Cedar		09:50	RNE-3	60	FALSE	FALSE	0	9	40
26-Sep-17	RNE	Cedar		10:10	RNE-4	53	FALSE	FALSE	0	3	17
26-Sep-17	RNE	Cedar		09:10	RNE-5	102	FALSE	FALSE	0	9	40

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
26-Sep-17	RNE	Cedar	Less Than 5%	#VALUE!	0	Partly Cloudy	Calm/Ripple	NONE	No Selection	0
05-Sep-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Sunny	Small Waves	NW	Normal or Full	0
05-Sep-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Sunny	Small Waves	NW	Normal or Full	0
05-Sep-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Sunny	Small Waves	NW	Normal or Full	0
18-Sep-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Normal or Full	0
18-Sep-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Normal or Full	0
18-Sep-17	RMJ	Apple Canyon	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Normal or Full	0
02-Oct-17	RMJ	Apple Canyon	Less Than 5%	5.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	2
02-Oct-17	RMJ	Apple Canyon	Less Than 5%	5.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	2
02-Oct-17	RMJ	Apple Canyon	Less Than 5%	5.00	0	Partly Cloudy	Calm/Ripple	SE	Below Normal	2
07-Oct-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	SW	Below Normal	6
07-Oct-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	SW	Below Normal	6
07-Oct-17	RNJ	Devils Kitchen		4.00	0	Sunny	Small Waves	SW	Below Normal	6
11-Aug-17	UGV	Spring Ledge	51% To 70%	2.00	0.5	Overcast	Calm/Ripple	NONE	Normal or Full	0
11-Aug-17	UGV	Spring Ledge	51% To 70%	2.00	0.5	Overcast	Calm/Ripple	NONE	Normal or Full	0
30-Aug-17	UGV	Spring Ledge	51% To 70%	2.00	0.25	Sunny	Calm/Ripple	NONE	Normal or Full	0
30-Aug-17	UGV	Spring Ledge	51% To 70%	2.00	0.25	Sunny	Calm/Ripple	NONE	Normal or Full	0
13-Sep-17	UGV	Spring Ledge	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	1
13-Sep-17	UGV	Spring Ledge	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Below Normal	1
23-Sep-17	RGP	Minear	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
23-Sep-17	RGP	Minear	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
23-Sep-17	RGP	Minear	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
23-Sep-17	RGP	Minear	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
06-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	3.3
06-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	3.3
06-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	3.3
06-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Partly Cloudy	Small Waves	NW	Above Normal	3.3
20-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	S	Below Normal	1
20-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	S	Below Normal	1
20-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	S	Below Normal	1
20-Sep-17	RTZT	Barrington	Less Than 5%	4.00	0	Sunny	Calm/Ripple	S	Below Normal	1
21-Sep-17	RTZF	Tower	51% To 70%	2.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
21-Sep-17	RTZF	Tower	51% To 70%	2.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
21-Sep-17	RTZF	Tower	51% To 70%	2.00	0	Sunny	Calm/Ripple	E	Normal or Full	0
08-Sep-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Overcast	Moderate Waves	NE	Normal or Full	0
08-Sep-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Overcast	Moderate Waves	NE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Sep-17	RNE	Cedar		
26-Sep-17	RNE	Cedar		
05-Sep-17	RMJ	Apple Canyon	None	
05-Sep-17	RMJ	Apple Canyon	None	
05-Sep-17	RMJ	Apple Canyon	None	
18-Sep-17	RMJ	Apple Canyon	None	
18-Sep-17	RMJ	Apple Canyon	None	
18-Sep-17	RMJ	Apple Canyon	None	
02-Oct-17	RMJ	Apple Canyon	None	
02-Oct-17	RMJ	Apple Canyon	None	
02-Oct-17	RMJ	Apple Canyon	None	
07-Oct-17	RNJ	Devils Kitchen		
07-Oct-17	RNJ	Devils Kitchen		
07-Oct-17	RNJ	Devils Kitchen		
11-Aug-17	UGV	Spring Ledge		
11-Aug-17	UGV	Spring Ledge		
30-Aug-17	UGV	Spring Ledge		
30-Aug-17	UGV	Spring Ledge		
13-Sep-17	UGV	Spring Ledge		very clear compared to end of august
13-Sep-17	UGV	Spring Ledge		very clear compared to end of august
23-Sep-17	RGP	Minear	still pea green	
23-Sep-17	RGP	Minear	still pea green	
23-Sep-17	RGP	Minear	still pea green	
23-Sep-17	RGP	Minear	still pea green	
06-Sep-17	RTZT	Barrington		
06-Sep-17	RTZT	Barrington		
06-Sep-17	RTZT	Barrington		
06-Sep-17	RTZT	Barrington		
20-Sep-17	RTZT	Barrington		
20-Sep-17	RTZT	Barrington		
20-Sep-17	RTZT	Barrington		
20-Sep-17	RTZT	Barrington		
21-Sep-17	RTZF	Tower		
21-Sep-17	RTZF	Tower		
21-Sep-17	RTZF	Tower		
08-Sep-17	RGU	Loch Lomond	none	none
08-Sep-17	RGU	Loch Lomond	none	none

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Sep-17	RNE	Cedar		10:35	RNE-7	50	FALSE	FALSE	0	3	40
26-Sep-17	RNE	Cedar		10:50	RNE-9	59	FALSE	FALSE	0	2	10
05-Sep-17	RMJ	Apple Canyon		08:45	RMJ-1	154	FALSE	FALSE	0	0	45
05-Sep-17	RMJ	Apple Canyon		09:15	RMJ-2	120	FALSE	FALSE	0	0	55
05-Sep-17	RMJ	Apple Canyon		09:35	RMJ-3	42	FALSE	FALSE	1	0	10
18-Sep-17	RMJ	Apple Canyon	dredging in 1 bay	08:00	RMJ-1	78	FALSE	FALSE	0	0	45
18-Sep-17	RMJ	Apple Canyon	dredging in 1 bay	08:35	RMJ-2	88	FALSE	FALSE	0	0	55
18-Sep-17	RMJ	Apple Canyon	dredging in 1 bay	09:05	RMJ-3	84	FALSE	FALSE	1	0	11
02-Oct-17	RMJ	Apple Canyon	Dredging in 1 bay	08:20	RMJ-1	141	FALSE	FALSE	0	0	40
02-Oct-17	RMJ	Apple Canyon	Dredging in 1 bay	8:45	RMJ-2	126	FALSE	FALSE	0	0	45.5
02-Oct-17	RMJ	Apple Canyon	Dredging in 1 bay	09:10	RMJ-3	60	FALSE	FALSE	1	0	10
07-Oct-17	RNJ	Devils Kitchen		12:40	RNJ-1	72	FALSE	FALSE	3	12	40
07-Oct-17	RNJ	Devils Kitchen		12:07	RNJ-2	72	FALSE	FALSE	3	12	25
07-Oct-17	RNJ	Devils Kitchen		11:40	RNJ-3	60	FALSE	FALSE	2	12	36
11-Aug-17	UGV	Spring Ledge		10:30	UGV-1	47	FALSE	FALSE	1	8	9.5
11-Aug-17	UGV	Spring Ledge		10:40	UGV-2	47	FALSE	FALSE	1	8	6
30-Aug-17	UGV	Spring Ledge		12:30	UGV-1	20	FALSE	FALSE	0	8	9.5
30-Aug-17	UGV	Spring Ledge		12:30	UGV-1	17	FALSE	FALSE	0	8	5.5
13-Sep-17	UGV	Spring Ledge		12:18	UGV-1	84	FALSE	FALSE	0	3	9
13-Sep-17	UGV	Spring Ledge		12:30	UGV-2	72	FALSE	FALSE	1	3	6
23-Sep-17	RGP	Minear	not muchrecreational usage	09:15	RGP-1	20	FALSE	FALSE	0	16	13.5
23-Sep-17	RGP	Minear	not muchrecreational usage	09:00	RGP-2	24	FALSE	FALSE	0	16	18
23-Sep-17	RGP	Minear	not muchrecreational usage	09:30	RGP-3	20	FALSE	FALSE	0	16	17.5
23-Sep-17	RGP	Minear	not muchrecreational usage	09:45	RGP-4	24	FALSE	FALSE	0	16	13.5
06-Sep-17	RTZT	Barrington		09:30	RTZT-1	11	FALSE	FALSE	0	3	3.5
06-Sep-17	RTZT	Barrington		09:45	RTZT-2	12	FALSE	FALSE	0	2	2.5
06-Sep-17	RTZT	Barrington		10:00	RTZT-3	11	FALSE	FALSE	0	2	3
06-Sep-17	RTZT	Barrington		09:20	RTZT-4	6.5	FALSE	FALSE	1	3	6
20-Sep-17	RTZT	Barrington		09:30	RTZT-1	11	FALSE	FALSE	0	2	3
20-Sep-17	RTZT	Barrington		09:45	RTZT-2	11	FALSE	FALSE	0	2	3
20-Sep-17	RTZT	Barrington		10:00	RTZT-3	10.5	FALSE	FALSE	0	3	2.5
20-Sep-17	RTZT	Barrington		09:15	RTZT-4	6.5	FALSE	FALSE	0	3	4.5
21-Sep-17	RTZF	Tower		12:45	RTZF-1	62	FALSE	TRUE	2	12	7
21-Sep-17	RTZF	Tower		12:30	RTZF-2	58	FALSE	FALSE	3	13	5
21-Sep-17	RTZF	Tower		13:10	RTZF-3	64	FALSE	FALSE	3	14	6.2
08-Sep-17	RGU	Loch Lomond	179 TDS ppm, 360 us/cm, temp 53.9F, 19.7C	10:41	RGU-1	48	FALSE	FALSE	0	14	8.5
08-Sep-17	RGU	Loch Lomond	179 TDS ppm, 360 us/cm, temp 53.9F, 19.7C	10:59	RGU-2	54	FALSE	FALSE	0	13	7.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
08-Sep-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Overcast	Moderate Waves	NE	Normal or Full	0
26-Sep-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
26-Sep-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
26-Sep-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3
14-Sep-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	SW	Below Normal	10
14-Sep-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	SW	Below Normal	10
14-Sep-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	SW	Below Normal	10
30-Sep-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	N	Below Normal	18
30-Sep-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	N	Below Normal	18
30-Sep-17	STC	Little Silver		1.00	0	Partly Cloudy	Small Waves	N	Below Normal	18
29-Sep-17	WGZU	Big Bear		1.00	0	Partly Cloudy	Moderate Waves	N	Normal or Full	0
29-Sep-17	WGZU	Big Bear		1.00	0	Partly Cloudy	Moderate Waves	N	Normal or Full	0
29-Sep-17	WGZU	Big Bear		1.00	0	Partly Cloudy	Moderate Waves	N	Normal or Full	0
04-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	24.12
04-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	24.12
04-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	24.12
04-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	24.12
04-Oct-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Below Normal	38.04
04-Oct-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Below Normal	38.04
04-Oct-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Below Normal	38.04
04-Oct-17	SDA	Evergreen	Less Than 5%	3.00	0	Overcast	Calm/Ripple	S	Below Normal	38.04
27-Sep-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	1
27-Sep-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	1
27-Sep-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	1
27-Sep-17	VTD	Deep		2.00	0	Sunny	Calm/Ripple	SW	Below Normal	1
15-Sep-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Small Waves	S/W	Normal or Full	8
15-Sep-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Small Waves	S/W	Normal or Full	8
15-Sep-17	UDH	Sunset	Less Than 5%	#VALUE!	0	Sunny	Small Waves	S/W	Normal or Full	8
29-Sep-17	UDH	Sunset	Less Than 5%	1.00	0	Sunny	Calm/Ripple	Calm	Below Normal	10
29-Sep-17	UDH	Sunset	Less Than 5%	1.00	0	Sunny	Calm/Ripple	Calm	Below Normal	10
29-Sep-17	UDH	Sunset	Less Than 5%	1.00	0	Sunny	Calm/Ripple	Calm	Below Normal	10
08-Sep-17	RDI	Jacksonville		3.00	0	Sunny	Calm/Ripple	S	Below Normal	14
08-Sep-17	RDI	Jacksonville		3.00	0	Sunny	Calm/Ripple	S	Below Normal	14
08-Sep-17	RDI	Jacksonville		3.00	0	Sunny	Calm/Ripple	S	Below Normal	14
08-Sep-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	4

Sample Date	Lake Code	Waterbody	Observations	Other Information
08-Sep-17	RGU	Loch Lomond	none	none
26-Sep-17	RGU	Loch Lomond	none	calm/clear water, algae on lakeshore
26-Sep-17	RGU	Loch Lomond	none	calm/clear water, algae on lakeshore
26-Sep-17	RGU	Loch Lomond	none	calm/clear water, algae on lakeshore
14-Sep-17	STC	Little Silver	very little rain over last 2 months	
14-Sep-17	STC	Little Silver	very little rain over last 2 months	
14-Sep-17	STC	Little Silver	very little rain over last 2 months	
30-Sep-17	STC	Little Silver	drought for over last 2.5 months	none
30-Sep-17	STC	Little Silver	drought for over last 2.5 months	none
30-Sep-17	STC	Little Silver	drought for over last 2.5 months	none
29-Sep-17	WGZU	Big Bear	less weeds since treated	
29-Sep-17	WGZU	Big Bear	less weeds since treated	
29-Sep-17	WGZU	Big Bear	less weeds since treated	
04-Oct-17	RDO	Bloomington		
04-Oct-17	RDO	Bloomington		
04-Oct-17	RDO	Bloomington		
04-Oct-17	RDO	Bloomington		
04-Oct-17	SDA	Evergreen		
04-Oct-17	SDA	Evergreen		
04-Oct-17	SDA	Evergreen		
04-Oct-17	SDA	Evergreen		
27-Sep-17	VTD	Deep		Zebra trap=0
27-Sep-17	VTD	Deep		Zebra trap=0
27-Sep-17	VTD	Deep		Zebra trap=0
27-Sep-17	VTD	Deep		Zebra trap=0
15-Sep-17	UDH	Sunset		Grass Carp sighted
15-Sep-17	UDH	Sunset		Grass Carp sighted
15-Sep-17	UDH	Sunset		Grass Carp sighted
29-Sep-17	UDH	Sunset		
29-Sep-17	UDH	Sunset		
08-Sep-17	RDI	Jacksonville		
08-Sep-17	RDI	Jacksonville		
08-Sep-17	RDI	Jacksonville		
08-Sep-17	SDL	Mauvaise Terre		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
08-Sep-17	RGU	Loch Lomond	179 TDS ppm, 360 us/cm, temp 53.9F, 19.7C	10:29	RGU-3	43	FALSE	FALSE	0	14	4.5
26-Sep-17	RGU	Loch Lomond	none	10:21	RGU-1	42	FALSE	FALSE	0	12	8.6
26-Sep-17	RGU	Loch Lomond	none	10:34	RGU-2	46	FALSE	FALSE	0	12	7
26-Sep-17	RGU	Loch Lomond	none	10:45	RGU-3	42	FALSE	FALSE	0	12	4.5
14-Sep-17	STC	Little Silver	none	11:30	STC-1	102	FALSE	FALSE	0	13	18.5
14-Sep-17	STC	Little Silver	none	11:40	STC-2	96	FALSE	FALSE	0	13	16
14-Sep-17	STC	Little Silver	none	11:55	STC-3	54	FALSE	TRUE	2	13	5
30-Sep-17	STC	Little Silver	none	12:15	STC-1	78	FALSE	FALSE	0	13	19
30-Sep-17	STC	Little Silver	none	12:30	STC-2	78	FALSE	FALSE	0	13	16.5
30-Sep-17	STC	Little Silver	none	12:40	STC-3	48	FALSE	TRUE	2	13	4.5
29-Sep-17	WGZU	Big Bear	rebuilding fishing pier	13:00	WGZU-1	16	FALSE	FALSE	0	7	9
29-Sep-17	WGZU	Big Bear	rebuilding fishing pier	13:20	WGZU-2	16	FALSE	FALSE	0	7	6
29-Sep-17	WGZU	Big Bear	rebuilding fishing pier	13:35	WGZU-3	16	FALSE	FALSE	0	8	6
04-Oct-17	RDO	Bloomington		09:05	RDO-1	22	FALSE	FALSE	0	11	27
04-Oct-17	RDO	Bloomington		09:20	RDO-2	22	FALSE	FALSE	0	11	22
04-Oct-17	RDO	Bloomington		09:35	RDO-3	16	FALSE	FALSE	0	16	10
04-Oct-17	RDO	Bloomington		09:50	RDO-4	16	FALSE	FALSE	0	16	11
04-Oct-17	SDA	Evergreen		10:30	SDA-1	24	FALSE	FALSE	0	9	44
04-Oct-17	SDA	Evergreen		10:55	SDA-2	12	FALSE	FALSE	0	10	6
04-Oct-17	SDA	Evergreen		11:05	SDA-3	12	FALSE	FALSE	0	10	8
04-Oct-17	SDA	Evergreen		10:45	SDA-4	20	FALSE	FALSE	0	15	31
27-Sep-17	VTD	Deep		13:55	VTD-1	290	FALSE	FALSE	0	8	49
27-Sep-17	VTD	Deep		14:20	VTD-2	288	FALSE	FALSE	0	8	35
27-Sep-17	VTD	Deep		14:45	VTD-3	291	FALSE	FALSE	0	8	38
27-Sep-17	VTD	Deep		13:35	VTD-4	246	FALSE	FALSE	0	8	25
15-Sep-17	UDH	Sunset		9:10	UDH-1	33	FALSE	FALSE	0	14	30
15-Sep-17	UDH	Sunset		9:00	UDH-2	34	FALSE	FALSE	0	14	15
15-Sep-17	UDH	Sunset		9:25	UDH-3	36	FALSE	FALSE	0	14	10
29-Sep-17	UDH	Sunset		9:15	UDH-1	31	FALSE	FALSE	0	14	30
29-Sep-17	UDH	Sunset		9:00	UDH-2	30	FALSE	FALSE	0	14	15
29-Sep-17	UDH	Sunset		9:30	UDH-3	31	FALSE	FALSE	0	14	10
08-Sep-17	RDI	Jacksonville		8:20	RDI-1	36	FALSE	FALSE	0	12	32
08-Sep-17	RDI	Jacksonville		8:40	RDI-2	24	FALSE	FALSE	0	12	20
08-Sep-17	RDI	Jacksonville		8:53	RDI-3	14	FALSE	FALSE	0	12	8
08-Sep-17	SDL	Mauvaise Terre		9:15	SDL-1	16	FALSE	FALSE	0	14	7.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
08-Sep-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	4
08-Sep-17	SDL	Mauvaise Terre	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	4
11-Sep-17	SDP	Lancelot		12.00	0	Sunny	Calm/Ripple	NE	Below Normal	12
11-Sep-17	SDP	Lancelot		12.00	0	Sunny	Calm/Ripple	NE	Below Normal	12
11-Sep-17	SDP	Lancelot		12.00	0	Sunny	Calm/Ripple	NE	Below Normal	12
11-Sep-17	UDB	Camelot		12.00	0	Sunny	Calm/Ripple	NE	Below Normal	6
11-Sep-17	UDB	Camelot		12.00	0	Sunny	Calm/Ripple	NE	Below Normal	6
11-Sep-17	UDB	Camelot		12.00	0	Sunny	Calm/Ripple	NE	Below Normal	6
21-Sep-17	RDI	Jacksonville	Less Than 5%	2.00	0	Overcast	Small Waves	SE	Below Normal	16
21-Sep-17	RDI	Jacksonville	Less Than 5%	2.00	0	Overcast	Small Waves	SE	Below Normal	16
21-Sep-17	RDI	Jacksonville	Less Than 5%	2.00	0	Overcast	Small Waves	SE	Below Normal	16
21-Sep-17	SDL	Mauvaise Terre		2.00	0	Overcast	Calm/Ripple	SE	Below Normal	5
21-Sep-17	SDL	Mauvaise Terre		2.00	0	Overcast	Calm/Ripple	SE	Below Normal	5
21-Sep-17	SDL	Mauvaise Terre		2.00	0	Overcast	Calm/Ripple	SE	Below Normal	5
19-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	ESE	Above Normal	0.5
19-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	ESE	Above Normal	0.5
19-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	ESE	Above Normal	0.5
19-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	ESE	Above Normal	0.5
17-Sep-17	RDW	Beaver	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
17-Sep-17	RDW	Beaver	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
17-Sep-17	RDW	Beaver	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
17-Sep-17	RDW	Beaver	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
17-Sep-17	RDW	Beaver	Less Than 5%	2.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
05-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	NNW	Above Normal	0.5
05-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	NNW	Above Normal	0.5
05-Sep-17	RMM	Galena		#VALUE!	0	Sunny	Calm/Ripple	NNW	Above Normal	0.5
09-Oct-17	VDE	Catatoga		2.00	0.6	Partly Cloudy	Calm/Ripple	S	Below Normal	12
09-Oct-17	VDE	Catatoga		2.00	0.6	Partly Cloudy	Calm/Ripple	S	Below Normal	12
09-Oct-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	4
09-Oct-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	4
09-Oct-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	4
09-Oct-17	REZL	Twin Oaks	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Below Normal	4
12-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0.8	Overcast	Calm/Ripple	NONE	Below Normal	29.04
12-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0.8	Overcast	Calm/Ripple	NONE	Below Normal	29.04
12-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0.8	Overcast	Calm/Ripple	NONE	Below Normal	29.04
12-Oct-17	RDO	Bloomington	Less Than 5%	3.00	0.8	Overcast	Calm/Ripple	NONE	Below Normal	29.04
30-Sep-17	UTV	Cross		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8
30-Sep-17	UTV	Cross		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8
30-Sep-17	UTV	Cross		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8

Sample Date	Lake Code	Waterbody	Observations	Other Information
08-Sep-17	SDL	Mauvaise Terre		
08-Sep-17	SDL	Mauvaise Terre		
11-Sep-17	SDP	Lancelot	Lack of Rain	Boating, Skis, Fishes, Some floating Alge
11-Sep-17	SDP	Lancelot	Lack of Rain	Boating, Skis, Fishes, Some floating Alge
11-Sep-17	SDP	Lancelot	Lack of Rain	Boating, Skis, Fishes, Some floating Alge
11-Sep-17	UDB	Camelot	Lack of Rain	Floating Alge
11-Sep-17	UDB	Camelot	Lack of Rain	Floating Alge
11-Sep-17	UDB	Camelot	Lack of Rain	Floating Alge
21-Sep-17	RDI	Jacksonville		
21-Sep-17	RDI	Jacksonville		
21-Sep-17	RDI	Jacksonville		
21-Sep-17	SDL	Mauvaise Terre		
21-Sep-17	SDL	Mauvaise Terre		
21-Sep-17	SDL	Mauvaise Terre		
19-Sep-17	RMM	Galena	only .5" rainfall this month	
19-Sep-17	RMM	Galena	only .5" rainfall this month	
19-Sep-17	RMM	Galena	only .5" rainfall this month	
19-Sep-17	RMM	Galena	only .5" rainfall this month	
17-Sep-17	RDW	Beaver	Unusually hot for September (over 80)	
17-Sep-17	RDW	Beaver	Unusually hot for September (over 80)	
17-Sep-17	RDW	Beaver	Unusually hot for September (over 80)	
17-Sep-17	RDW	Beaver	Unusually hot for September (over 80)	
17-Sep-17	RDW	Beaver	Unusually hot for September (over 80)	
05-Sep-17	RMM	Galena	Unseasonably Cool	
05-Sep-17	RMM	Galena	Unseasonably Cool	
05-Sep-17	RMM	Galena	Unseasonably Cool	
09-Oct-17	VDE	Catatoga	Continues to be very dry	Nearby farm harvest completed
09-Oct-17	VDE	Catatoga	Continues to be very dry	Nearby farm harvest completed
09-Oct-17	REZL	Twin Oaks	~2" rain ~50 hours ago	water meal, duckweed, and southern naiad
09-Oct-17	REZL	Twin Oaks	~2" rain ~50 hours ago	water meal, duckweed, and southern naiad
09-Oct-17	REZL	Twin Oaks	~2" rain ~50 hours ago	water meal, duckweed, and southern naiad
09-Oct-17	REZL	Twin Oaks	~2" rain ~50 hours ago	water meal, duckweed, and southern naiad
12-Oct-17	RDO	Bloomington		
12-Oct-17	RDO	Bloomington		
12-Oct-17	RDO	Bloomington		
12-Oct-17	RDO	Bloomington		
30-Sep-17	UTV	Cross	Lake level low due to dry conditions.	Eurasian Watermilfoil
30-Sep-17	UTV	Cross	Lake level low due to dry conditions.	Eurasian Watermilfoil
30-Sep-17	UTV	Cross	Lake level low due to dry conditions.	Eurasian Watermilfoil

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
08-Sep-17	SDL	Mauvaise Terre		9:35	SDL-2	15	FALSE	FALSE	0	14	11
08-Sep-17	SDL	Mauvaise Terre		9:47	SDL-3	13	FALSE	FALSE	0	14	9.5
11-Sep-17	SDP	Lancelot		10:00	SDP-1	148	FALSE	FALSE	0	12	28
11-Sep-17	SDP	Lancelot		10:25	SDP-2	136	FALSE	FALSE	0	12	16
11-Sep-17	SDP	Lancelot		10:45	SDP-3	50	FALSE	FALSE	1	12	4
11-Sep-17	UDB	Camelot		12:10	UDB-1	40	FALSE	FALSE	0	12	35
11-Sep-17	UDB	Camelot		12:35	UDB-2	36	FALSE	FALSE	0	12	27
11-Sep-17	UDB	Camelot		12:55	UDB-3	37	FALSE	FALSE	1		17
21-Sep-17	RDI	Jacksonville		8:30	RDI-1	32	FALSE	FALSE	0	12	31
21-Sep-17	RDI	Jacksonville		8:47	RDI-2	29	FALSE	FALSE	0	12	20
21-Sep-17	RDI	Jacksonville		9:06	RDI-3	20	FALSE	FALSE	0	12	8
21-Sep-17	SDL	Mauvaise Terre		9:45	SDL-1	18	FALSE	FALSE	0	14	7
21-Sep-17	SDL	Mauvaise Terre		9:56	SDL-2	18	FALSE	FALSE	0	14	12
21-Sep-17	SDL	Mauvaise Terre		10:01	SDL-3	16	FALSE	FALSE	0	14	9
19-Sep-17	RMM	Galena	Weed harvesting Marina	15:15	RMM-1	23	FALSE	FALSE	0	12	36
19-Sep-17	RMM	Galena	Weed harvesting Marina	15:50	RMM-2	22	FALSE	FALSE	0	17	23
19-Sep-17	RMM	Galena	Weed harvesting Marina	16:15	RMM-3	29	FALSE	FALSE	1	17	6
19-Sep-17	RMM	Galena	Weed harvesting Marina				FALSE	FALSE			
17-Sep-17	RDW	Beaver		11:25	RDW-1	84	FALSE	FALSE	1	3	18.5
17-Sep-17	RDW	Beaver		11:10	RDW-2	192	FALSE	FALSE	0	4	19
17-Sep-17	RDW	Beaver		11:00	RDW-3	24	FALSE	FALSE	1	12	4
17-Sep-17	RDW	Beaver		11:50	RDW-4	84	FALSE	FALSE	0	6	13
17-Sep-17	RDW	Beaver		11:40	RDW-6	129	FALSE	FALSE	0	8	20.5
05-Sep-17	RMM	Galena	Aquatic Vegetation Harvest	11:00	RMM-1	42	FALSE	FALSE	0	17	37
05-Sep-17	RMM	Galena	Aquatic Vegetation Harvest	11:50	RMM-2	53	FALSE	FALSE	0	17	29
05-Sep-17	RMM	Galena	Aquatic Vegetation Harvest	12:10	RMM-3	24	FALSE	FALSE	2	17	5
09-Oct-17	VDE	Catatoga		11:30	VDE-1	126	FALSE	FALSE	1	8	46
09-Oct-17	VDE	Catatoga		11:55	VDE-2	121	FALSE	FALSE	0	8	31
09-Oct-17	REZL	Twin Oaks	aerators on, groundwater pump on	14:05	REZL-1	38	FALSE	FALSE	0	8	4.5
09-Oct-17	REZL	Twin Oaks	aerators on, groundwater pump on	14:20	REZL-2	31	FALSE	FALSE	0	20	3.5
09-Oct-17	REZL	Twin Oaks	aerators on, groundwater pump on	15:00	REZL-3	34	FALSE	FALSE	0	17	3.5
09-Oct-17	REZL	Twin Oaks	aerators on, groundwater pump on	14:40	REZL-4	35	FALSE	FALSE	0	20	5
12-Oct-17	RDO	Bloomington		09:50	RDO-1	18	FALSE	FALSE	0	9	24
12-Oct-17	RDO	Bloomington		10:05	RDO-2	18	FALSE	FALSE	0	7	22
12-Oct-17	RDO	Bloomington		10:30	RDO-3	12	FALSE	FALSE	0	15	8
12-Oct-17	RDO	Bloomington		10:50	RDO-4	14	FALSE	FALSE	0	11	8
30-Sep-17	UTV	Cross	Weed treatment every Spring.	13:49	UTV-1	78	FALSE	FALSE	0	8	33.5
30-Sep-17	UTV	Cross	Weed treatment every Spring.	14:01	UTV-2	72	FALSE	FALSE	0	8	11.5
30-Sep-17	UTV	Cross	Weed treatment every Spring.	14:10	UTV-3	84	FALSE	FALSE	3	3	32.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
30-Sep-17	UTV	Cross		2.00	0	Partly Cloudy	Small Waves	SW	Below Normal	8
13-Oct-17	RGZD	Miltmore		1.50	0.5	Overcast	Calm/Ripple	S	Below Normal	10
13-Oct-17	RGZD	Miltmore		1.50	0.5	Overcast	Calm/Ripple	S	Below Normal	10
13-Oct-17	RGZD	Miltmore		1.50	0.5	Overcast	Calm/Ripple	S	Below Normal	10
16-Sep-17	RTD	Catherine	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0
16-Sep-17	RTD	Catherine	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0
16-Sep-17	RTD	Catherine	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Below Normal	0
30-Sep-17	RTD	Catherine	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	E	Below Normal	0
30-Sep-17	RTD	Catherine	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	E	Below Normal	0
30-Sep-17	RTD	Catherine	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	E	Below Normal	0
12-Jul-17	REF	Springfield		6.00	0.75	Sunny	Small Waves	SW	Below Normal	2.2
12-Jul-17	REF	Springfield		6.00	0.75	Sunny	Small Waves	SW	Below Normal	2.2
12-Jul-17	REF	Springfield		6.00	0.75	Sunny	Small Waves	SW	Below Normal	2.2
12-Jul-17	REF	Springfield		6.00	0.75	Sunny	Small Waves	SW	Below Normal	2.2
12-Jul-17	REF	Springfield		6.00	0.75	Sunny	Small Waves	SW	Below Normal	2.2
16-Oct-17	RBU	Crystal	Less Than 5%	2.00	0.11	Sunny	Calm/Ripple	N	Below Normal	9
16-Oct-17	RBU	Crystal	Less Than 5%	2.00	0.11	Sunny	Calm/Ripple	N	Below Normal	9
16-Oct-17	RBU	Crystal	Less Than 5%	2.00	0.11	Sunny	Calm/Ripple	N	Below Normal	9
25-Jul-17	REF	Springfield		6.00	0.24	Sunny	Calm/Ripple	SW	Below Normal	0
25-Jul-17	REF	Springfield		6.00	0.24	Sunny	Calm/Ripple	SW	Below Normal	0
25-Jul-17	REF	Springfield		6.00	0.24	Sunny	Calm/Ripple	SW	Below Normal	0
25-Jul-17	REF	Springfield		6.00	0.24	Sunny	Calm/Ripple	SW	Below Normal	0
25-Jul-17	REF	Springfield		6.00	0.24	Sunny	Calm/Ripple	SW	Below Normal	0
16-Oct-17	RDF	Otter	Less Than 5%	4.00	0.6	Sunny	Calm/Ripple	S	Below Normal	0
16-Oct-17	RDF	Otter	Less Than 5%	4.00	0.6	Sunny	Calm/Ripple	S	Below Normal	0
16-Oct-17	RDF	Otter	Less Than 5%	4.00	0.6	Sunny	Calm/Ripple	S	Below Normal	0
16-Oct-17	RDF	Otter	Less Than 5%	4.00	0.6	Sunny	Calm/Ripple	S	Below Normal	0
17-Oct-17	RAL	Lake of Egypt	No Selection	6.00	0	Partly Cloudy	No Selection	SE	No Selection	0
17-Oct-17	RAL	Lake of Egypt	No Selection	6.00	0	Partly Cloudy	No Selection	SE	No Selection	0
17-Oct-17	RAL	Lake of Egypt	No Selection	6.00	0	Partly Cloudy	No Selection	SE	No Selection	0
17-Oct-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	1.6
17-Oct-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	1.6
17-Oct-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	1.6
17-Oct-17	RNC	Kinkaid	Less Than 5%	3.00	0	Sunny	Calm/Ripple	S	Below Normal	1.6
17-Oct-17	RND	Murphysboro	Less Than 5%	0.50	0	Sunny	Calm/Ripple	S	Below Normal	12

Sample Date	Lake Code	Waterbody	Observations	Other Information
30-Sep-17	UTV	Cross	Lake level low due to dry conditions.	Eurasian Watermilfoil
13-Oct-17	RGZD	Miltmore		
13-Oct-17	RGZD	Miltmore		
13-Oct-17	RGZD	Miltmore		
16-Sep-17	RTD	Catherine		
16-Sep-17	RTD	Catherine		
16-Sep-17	RTD	Catherine		
30-Sep-17	RTD	Catherine		
30-Sep-17	RTD	Catherine		
30-Sep-17	RTD	Catherine		
12-Jul-17	REF	Springfield		
12-Jul-17	REF	Springfield		
12-Jul-17	REF	Springfield		
12-Jul-17	REF	Springfield		
12-Jul-17	REF	Springfield		
16-Oct-17	RBU	Crystal	drought has ended, lake filled up close to capacity for first time since winter	
16-Oct-17	RBU	Crystal	drought has ended, lake filled up close to capacity for first time since winter	
16-Oct-17	RBU	Crystal	drought has ended, lake filled up close to capacity for first time since winter	
25-Jul-17	REF	Springfield		
25-Jul-17	REF	Springfield		
25-Jul-17	REF	Springfield		
25-Jul-17	REF	Springfield		
25-Jul-17	REF	Springfield		
16-Oct-17	RDF	Otter		
16-Oct-17	RDF	Otter		
16-Oct-17	RDF	Otter		
16-Oct-17	RDF	Otter		
17-Oct-17	RAL	Lake of Egypt		
17-Oct-17	RAL	Lake of Egypt		
17-Oct-17	RAL	Lake of Egypt		
17-Oct-17	RNC	Kinkaid	None	None
17-Oct-17	RNC	Kinkaid	None	None
17-Oct-17	RNC	Kinkaid	None	None
17-Oct-17	RNC	Kinkaid	None	None
17-Oct-17	RND	Murphysboro	None	None

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
30-Sep-17	UTV	Cross	Weed treatment every Spring.	14:18	UTV-4	84	FALSE	FALSE	0	3	17.5
13-Oct-17	RGZD	Miltmore		14:25	RGZD-1	72	FALSE	FALSE	1	7	11.5
13-Oct-17	RGZD	Miltmore		14:40	RGZD-2	71	FALSE	FALSE	1	11	13
13-Oct-17	RGZD	Miltmore		14:00	RGZD-3	79	FALSE	FALSE	0	9	8
16-Sep-17	RTD	Catherine		10:10	RTD-1	45	FALSE	FALSE	0	12	39
16-Sep-17	RTD	Catherine		10:24	RTD-2	41	FALSE	FALSE	0	12	32.5
16-Sep-17	RTD	Catherine		10:39	RTD-3	42	FALSE	FALSE	0	12	31.5
30-Sep-17	RTD	Catherine		13:27	RTD-1	46	FALSE	FALSE	0	12	38.5
30-Sep-17	RTD	Catherine		13:39	RTD-2	43	FALSE	FALSE	0	12	38.5
30-Sep-17	RTD	Catherine		13:52	RTD-3	45	FALSE	FALSE	0	12	31
12-Jul-17	REF	Springfield		09:14	REF-1	18	FALSE	FALSE	0	2	23.5
12-Jul-17	REF	Springfield		09:36	REF-2	12	FALSE	FALSE	0	12	18
12-Jul-17	REF	Springfield		09:50	REF-3	12	FALSE	FALSE	0	12	10.5
12-Jul-17	REF	Springfield		10:00	REF-5	12	FALSE	FALSE	0	13	7
12-Jul-17	REF	Springfield		10:10	REF-6	11	FALSE	FALSE	0	13	7.5
16-Oct-17	RBU	Crystal		13:59	RBU-1	28	FALSE	FALSE	0	12	6
16-Oct-17	RBU	Crystal		13:45	RBU-3	27	FALSE	FALSE	0	8	8
16-Oct-17	RBU	Crystal		13:29	RBU-7	27	FALSE	FALSE	0	8	10
25-Jul-17	REF	Springfield		09:10	REF-1	27	FALSE	FALSE	0	3	22
25-Jul-17	REF	Springfield		09:31	REF-2	16	FALSE	FALSE	0	12	17
25-Jul-17	REF	Springfield		09:42	REF-3	15	FALSE	FALSE	0	12	10
25-Jul-17	REF	Springfield		09:50	REF-5	10	FALSE	FALSE	0	13	6.5
25-Jul-17	REF	Springfield		10:00	REF-6	10	FALSE	FALSE	0	13	7
16-Oct-17	RDF	Otter		10:45	RDF-1	36	FALSE	FALSE	0	12	49
16-Oct-17	RDF	Otter		11:10	RDF-2	34	FALSE	FALSE	0	12	29
16-Oct-17	RDF	Otter		11:50	RDF-3	18	FALSE	FALSE	0	12	7.5
16-Oct-17	RDF	Otter		11:26	RDF-4	24	FALSE	FALSE	0	12	28.5
17-Oct-17	RAL	Lake of Egypt	Zebra Mussel trap removed - none found	13:02	RAL-1	48	FALSE	FALSE	0	12	35
17-Oct-17	RAL	Lake of Egypt	Zebra Mussel trap removed - none found	13:20	RAL-2	30	FALSE	FALSE	0	12	30
17-Oct-17	RAL	Lake of Egypt	Zebra Mussel trap removed - none found	13:40	RAL-3	60	FALSE	FALSE	0	12	7
17-Oct-17	RNC	Kinkaid	None	10:21	RNC-1	80	FALSE	FALSE	0	13	54
17-Oct-17	RNC	Kinkaid	None	09:47	RNC-2	71	FALSE	FALSE	0	13	37
17-Oct-17	RNC	Kinkaid	None	09:27	RNC-3	50	FALSE	FALSE	0	13	26
17-Oct-17	RNC	Kinkaid	None	11:16	RNC-9	56	FALSE	FALSE	0	13	19
17-Oct-17	RND	Murphysboro	None	12:43	RND-1	24	FALSE	FALSE	0	12	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
17-Oct-17	RDR	Spring	Less Than 5%	8.00	0.01	Sunny	Calm/Ripple	S	Below Normal	5
17-Oct-17	RDR	Spring	Less Than 5%	8.00	0.01	Sunny	Calm/Ripple	S	Below Normal	5
17-Oct-17	RDR	Spring	Less Than 5%	8.00	0.01	Sunny	Calm/Ripple	S	Below Normal	5
18-Oct-17	RJD	Dunlap	No Selection	#VALUE!	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
18-Oct-17	RJD	Dunlap	No Selection	#VALUE!	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
18-Oct-17	RJD	Dunlap	No Selection	#VALUE!	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
18-Oct-17	RBD	Vermilion	Less Than 5%	6.00	0	Sunny	White Caps	SW	Normal or Full	0
18-Oct-17	RBD	Vermilion	Less Than 5%	6.00	0	Sunny	White Caps	SW	Normal or Full	0
18-Oct-17	RBD	Vermilion	Less Than 5%	6.00	0	Sunny	White Caps	SW	Normal or Full	0
10-Sep-17	RGR	Charles	Less Than 5%	2.50	0	Sunny	Calm/Ripple	SE	Below Normal	3.75
10-Sep-17	RGR	Charles	Less Than 5%	2.50	0	Sunny	Calm/Ripple	SE	Below Normal	3.75
10-Sep-17	RGR	Charles	Less Than 5%	2.50	0	Sunny	Calm/Ripple	SE	Below Normal	3.75
23-Sep-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3.15

Sample Date	Lake Code	Waterbody	Observations	Other Information
17-Oct-17	RDR	Spring		
17-Oct-17	RDR	Spring		
17-Oct-17	RDR	Spring		
18-Oct-17	RJD	Dunlap		
18-Oct-17	RJD	Dunlap		
18-Oct-17	RJD	Dunlap		
18-Oct-17	RBD	Vermilion		
18-Oct-17	RBD	Vermilion		
18-Oct-17	RBD	Vermilion		
10-Sep-17	RGR	Charles	no rain - draught conditions	2 GB herons, suspended algae, blue-green algae, egret, flock of ducks, 2 dead fish, cattail, pickerel, waterwillow, burreed
10-Sep-17	RGR	Charles	no rain - draught conditions	2 GB herons, suspended algae, blue-green algae, egret, flock of ducks, 2 dead fish, cattail, pickerel, waterwillow, burreed
10-Sep-17	RGR	Charles	no rain - draught conditions	2 GB herons, suspended algae, blue-green algae, egret, flock of ducks, 2 dead fish, cattail, pickerel, waterwillow, burreed
23-Sep-17	RGR	Charles	no rain, draught conditions	dozens of geese & ducks; stinking thick mat of blue-green caught at the outlet; bottom of site 1 stinks; beach inlet partially blocked by boulders; spirogyra, blue-green algae, burreed, cattail, pickerel, waterwillow

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
17-Oct-17	RDR	Spring	both well pumps running 10/517 through 10/13/17. Flowing into lake about 100' from pump house. At NE corner of east end of lake	10:35	RDR-1	19	FALSE	FALSE	0	12	22
17-Oct-17	RDR	Spring	both well pumps running 10/517 through 10/13/17. Flowing into lake about 100' from pump house. At NE corner of east end of lake	08:58	RDR-2	12	FALSE	FALSE	0	12	7
17-Oct-17	RDR	Spring	both well pumps running 10/517 through 10/13/17. Flowing into lake about 100' from pump house. At NE corner of east end of lake	08:25	RDR-3	7	FALSE	FALSE	0	14	2
18-Oct-17	RJD	Dunlap		14:41	RJD-1	32	FALSE	FALSE	0	0	24
18-Oct-17	RJD	Dunlap		14:55	RJD-2	28	FALSE	FALSE	0	0	18
18-Oct-17	RJD	Dunlap		15:10	RJD-3	21	FALSE	FALSE	0	0	8
18-Oct-17	RBD	Vermilion		14:52	RBD-1	13	FALSE	FALSE	0	0	17
18-Oct-17	RBD	Vermilion		14:38	RBD-2	13	FALSE	FALSE	0	0	11
18-Oct-17	RBD	Vermilion		14:27	RBD-3	11	FALSE	FALSE	0	0	5
10-Sep-17	RGR	Charles	5Sep2017:DO-9.3, 3 gal Cutrine Ultra; 15 aerators on; beach aerator off; 1-S:9.54pH,67.3F,552ms,276ppm; 1-17:9.36pH,66.5F,554ms,278ppm; 2-S:9.79pH,66.9F,546ms,272ppm; 3-S:9.65pH,67.1F,555ms,276ppm	11:39	RGR-1	22	FALSE	FALSE	0	8	18.5
10-Sep-17	RGR	Charles	5Sep2017:DO-9.3, 3 gal Cutrine Ultra; 15 aerators on; beach aerator off; 1-S:9.54pH,67.3F,552ms,276ppm; 1-17:9.36pH,66.5F,554ms,278ppm; 2-S:9.79pH,66.9F,546ms,272ppm; 3-S:9.65pH,67.1F,555ms,276ppm	10:45	RGR-2	24	FALSE	FALSE	0	12	5.5
10-Sep-17	RGR	Charles	5Sep2017:DO-9.3, 3 gal Cutrine Ultra; 15 aerators on; beach aerator off; 1-S:9.54pH,67.3F,552ms,276ppm; 1-17:9.36pH,66.5F,554ms,278ppm; 2-S:9.79pH,66.9F,546ms,272ppm; 3-S:9.65pH,67.1F,555ms,276ppm	11:10	RGR-3	19	FALSE	FALSE	0	8	5
23-Sep-17	RGR	Charles	13 aerators on; beach & site 1 aerators off; 12Sep2017:DO=9.0,30# copper sulfate,4 gals Black Onyx; 1-S:9.29pH,86.9F,567ms,283ppm; 1-17:8.29pH,75.9F,572ms,286ppm; 2-S:9.51pH,81.6F,551ms,274ppm; 3-S:9.34pH,84.1F,567ms,283ppm	14:58	RGR-1	28	FALSE	FALSE	0	8	19

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
23-Sep-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3.15
23-Sep-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	3.15
08-Oct-17	RGR	Charles	Less Than 5%	2.50	0.9	Sunny	Small Waves	S	Normal or Full	0
08-Oct-17	RGR	Charles	Less Than 5%	2.50	0.9	Sunny	Small Waves	S	Normal or Full	0
08-Oct-17	RGR	Charles	Less Than 5%	2.50	0.9	Sunny	Small Waves	S	Normal or Full	0
19-Oct-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	S	Above Normal	2.75

Sample Date	Lake Code	Waterbody	Observations	Other Information
23-Sep-17	RGR	Charles	no rain, draught conditions	dozens of geese & ducks; stinking thick mat of blue-green caught at the outlet; bottom of site 1 stinks; beach inlet partially blocked by boulders; spirogyra, blue-green algae, burreed, cattail, pickerel, waterwillow
23-Sep-17	RGR	Charles	no rain, draught conditions	dozens of geese & ducks; stinking thick mat of blue-green caught at the outlet; bottom of site 1 stinks; beach inlet partially blocked by boulders; spirogyra, blue-green algae, burreed, cattail, pickerel, waterwillow
08-Oct-17	RGR	Charles	draught conditions until this past week	small flock of geese, blue-green algae, ducks, 5.5' log blocking outlet, scores of dead fish on Eastern Shoreline; waterwillow, burreed, pickerel
08-Oct-17	RGR	Charles	draught conditions until this past week	small flock of geese, blue-green algae, ducks, 5.5' log blocking outlet, scores of dead fish on Eastern Shoreline; waterwillow, burreed, pickerel
08-Oct-17	RGR	Charles	draught conditions until this past week	small flock of geese, blue-green algae, ducks, 5.5' log blocking outlet, scores of dead fish on Eastern Shoreline; waterwillow, burreed, pickerel
19-Oct-17	RGR	Charles	over 8" of rain in the past week after a 2 month draught	flock of ducks, blue-green algae especially at the beach inlet and the large inlet, GB Heron, Night Heron, outlet grate is severely damaged after the 8" rainfall and loose boats pressing against it, lots of timbers and logs along the ES, waterwillow, pickerel (it's spreading!), water iris

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
23-Sep-17	RGR	Charles	13 aerators on; beach & site 1 aerators off; 12Sep2017:DO=9.0,30# copper sulfate,4 gals Black Onyx; 1-S:9.29pH,86.9F,567ms,283ppm; 1-17:8.29pH,75.9F,572ms,286ppm; 2-S:9.51pH,81.6F,551ms,274ppm; 3-S:9.34pH,84.1F,567ms,283ppm	13:58	RGR-2	33	FALSE	FALSE	0	8	5.5
23-Sep-17	RGR	Charles	13 aerators on; beach & site 1 aerators off; 12Sep2017:DO=9.0,30# copper sulfate,4 gals Black Onyx; 1-S:9.29pH,86.9F,567ms,283ppm; 1-17:8.29pH,75.9F,572ms,286ppm; 2-S:9.51pH,81.6F,551ms,274ppm; 3-S:9.34pH,84.1F,567ms,283ppm	14:25	RGR-3	28	FALSE	FALSE	0	8	4.5
08-Oct-17	RGR	Charles	12 aerators on; missing beach,pier 1, site 1 and Shabel-Kmak aerators; 1-S:9.33pH,69.9F,559ms,280ppm; 1-17:9.09pH,67.5F,572ms,285ppm; 2-S:9.78pH,69.1F,557ms,274ppm; 3-S:9.50pH,70.3F,563ms,281ppm	12:57	RGR-1	17	FALSE	FALSE	0	8	19.5
08-Oct-17	RGR	Charles	12 aerators on; missing beach,pier 1, site 1 and Shabel-Kmak aerators; 1-S:9.33pH,69.9F,559ms,280ppm; 1-17:9.09pH,67.5F,572ms,285ppm; 2-S:9.78pH,69.1F,557ms,274ppm; 3-S:9.50pH,70.3F,563ms,281ppm	11:35	RGR-2	18	FALSE	FALSE	0	8	5.5
08-Oct-17	RGR	Charles	12 aerators on; missing beach,pier 1, site 1 and Shabel-Kmak aerators; 1-S:9.33pH,69.9F,559ms,280ppm; 1-17:9.09pH,67.5F,572ms,285ppm; 2-S:9.78pH,69.1F,557ms,274ppm; 3-S:9.50pH,70.3F,563ms,281ppm	12:11	RGR-3	17	FALSE	FALSE	0	17	5
19-Oct-17	RGR	Charles	1-S:8.74pH,63.3F,384ms,192ppm; 1-18:8.61pH,59.2F,380ms,190ppm; 2-S:9.29pH,62.8F,370ms,185ppm; 3-S:8.87pH,61.6F,402ms,200ppm	15:17	RGR-1	38	FALSE	FALSE	0	18	20

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Oct-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	S	Above Normal	2.75
19-Oct-17	RGR	Charles	Less Than 5%	2.50	0	Partly Cloudy	Calm/Ripple	S	Above Normal	2.75
17-Oct-17	REB	Sangchris	Less Than 5%	16.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	24
17-Oct-17	REB	Sangchris	Less Than 5%	16.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	24
17-Oct-17	REB	Sangchris	Less Than 5%	16.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	24
17-Oct-17	REB	Sangchris	Less Than 5%	16.00	0	Partly Cloudy	Moderate Waves	SW	Below Normal	24
26-Sep-17	REB	Sangchris	Less Than 5%	10.00	0	Partly Cloudy	Small Waves	W	Below Normal	18
26-Sep-17	REB	Sangchris	Less Than 5%	10.00	0	Partly Cloudy	Small Waves	W	Below Normal	18
26-Sep-17	REB	Sangchris	Less Than 5%	10.00	0	Partly Cloudy	Small Waves	W	Below Normal	18

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Oct-17	RGR	Charles	over 8" of rain in the past week after a 2 month draught	flock of ducks, blue-green algae especially at the beach inlet and the large inlet,GB Heron, Night Heron, outlet grate is severely damaged after the 8" rainfall and loose boats pressing against it, lots of timbers and logs along the ES, waterwillow, pickerel (it's spreading!), water iris
19-Oct-17	RGR	Charles	over 8" of rain in the past week after a 2 month draught	flock of ducks, blue-green algae especially at the beach inlet and the large inlet,GB Heron, Night Heron, outlet grate is severely damaged after the 8" rainfall and loose boats pressing against it, lots of timbers and logs along the ES, waterwillow, pickerel (it's spreading!), water iris
17-Oct-17	REB	Sangchris		Boat drifted due to wind at all locations
17-Oct-17	REB	Sangchris		Boat drifted due to wind at all locations
17-Oct-17	REB	Sangchris		Boat drifted due to wind at all locations
17-Oct-17	REB	Sangchris		Boat drifted due to wind at all locations
26-Sep-17	REB	Sangchris		Water willow, phragmites, duck potato, southern naiad, American lotus, American pondweed, and coontail observed in lake. White water lily, spatterdock, water stargrass occur in vegetation restoration areas.
26-Sep-17	REB	Sangchris		Water willow, phragmites, duck potato, southern naiad, American lotus, American pondweed, and coontail observed in lake. White water lily, spatterdock, water stargrass occur in vegetation restoration areas.
26-Sep-17	REB	Sangchris		Water willow, phragmites, duck potato, southern naiad, American lotus, American pondweed, and coontail observed in lake. White water lily, spatterdock, water stargrass occur in vegetation restoration areas.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Oct-17	RGR	Charles	1-S:8.74pH,63.3F,384ms,192ppm; 1-18:8.61pH,59.2F,380ms,190ppm; 2-S:9.29pH,62.8F,370ms,185ppm; 3-S:8.87pH,61.6F,402ms,200ppm	14:14	RGR-2	24	FALSE	FALSE	0	12	6
19-Oct-17	RGR	Charles	1-S:8.74pH,63.3F,384ms,192ppm; 1-18:8.61pH,59.2F,380ms,190ppm; 2-S:9.29pH,62.8F,370ms,185ppm; 3-S:8.87pH,61.6F,402ms,200ppm	14:40	RGR-3	26	FALSE	FALSE	0	12	5
17-Oct-17	REB	Sangchris		09:52	REB-1	26	FALSE	FALSE	0	8	29
17-Oct-17	REB	Sangchris		09:18	REB-2	29	FALSE	FALSE	0	12	24
17-Oct-17	REB	Sangchris		10:25	REB-3	27	FALSE	FALSE	0	17	3
17-Oct-17	REB	Sangchris		11:00	REB-4	18	FALSE	FALSE	0	7	2
26-Sep-17	REB	Sangchris		11:48	REB-1	25	FALSE	FALSE	0	12	32
26-Sep-17	REB	Sangchris		10:45	REB-2	25	FALSE	FALSE	0	12	25
26-Sep-17	REB	Sangchris		13:21	REB-3	23	FALSE	FALSE	0	12	3

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Sep-17	REB	Sangchris	Less Than 5%	10.00	0	Partly Cloudy	Small Waves	W	Below Normal	18
19-Oct-17	RTW	Silver		4.00	0	Sunny	Calm/Ripple	NW	Above Normal	8
19-Oct-17	RTW	Silver		4.00	0	Sunny	Calm/Ripple	NW	Above Normal	8
19-Oct-17	RTW	Silver		4.00	0	Sunny	Calm/Ripple	NW	Above Normal	8
20-Oct-17	REE	Dawson	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	13
20-Oct-17	REE	Dawson	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	13
20-Oct-17	REE	Dawson	Less Than 5%	2.00	0	Sunny	Calm/Ripple	S	Below Normal	13
13-Oct-17	RGZM	Valley	Less Than 5%	1.50	0.82	Partly Cloudy	Calm/Ripple	S	Below Normal	2
13-Oct-17	RGZM	Valley	Less Than 5%	1.50	0.82	Partly Cloudy	Calm/Ripple	S	Below Normal	2
13-Oct-17	RGZM	Valley	Less Than 5%	1.50	0.82	Partly Cloudy	Calm/Ripple	S	Below Normal	2
21-Oct-17	RGZM	Valley	Less Than 5%	2.00	0	Sunny	Small Waves	S	Above Normal	0.5
21-Oct-17	RGZM	Valley	Less Than 5%	2.00	0	Sunny	Small Waves	S	Above Normal	0.5
21-Oct-17	RGZM	Valley	Less Than 5%	2.00	0	Sunny	Small Waves	S	Above Normal	0.5
19-Oct-17	STO	Napa Suwe	Greater than 70%	2.00	0	Sunny	Calm/Ripple	N	Above Normal	8
19-Oct-17	STO	Napa Suwe	Greater than 70%	2.00	0	Sunny	Calm/Ripple	N	Above Normal	8
19-Oct-17	STO	Napa Suwe	Greater than 70%	2.00	0	Sunny	Calm/Ripple	N	Above Normal	8
20-Oct-17	RGZD	Miltmore		1.50	0	Partly Cloudy	Small Waves	S	Below Normal	8
20-Oct-17	RGZD	Miltmore		1.50	0	Partly Cloudy	Small Waves	S	Below Normal	8
20-Oct-17	RGZD	Miltmore		1.50	0	Partly Cloudy	Small Waves	S	Below Normal	8

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Sep-17	REB	Sangchris		Water willow, phragmites, duck potato, southern naiad, American lotus, American pondweed, and coontail observed in lake. White water lily, spatterdock, water stargrass occur in vegetation restoration areas.
19-Oct-17	RTW	Silver	From Oct 12th to Oct 15th over 5 inches of rain.	Boating, ducks , geese. Dense mats of Chara throughout the lake bottom
19-Oct-17	RTW	Silver	From Oct 12th to Oct 15th over 5 inches of rain.	Boating, ducks , geese. Dense mats of Chara throughout the lake bottom
19-Oct-17	RTW	Silver	From Oct 12th to Oct 15th over 5 inches of rain.	Boating, ducks , geese. Dense mats of Chara throughout the lake bottom
20-Oct-17	REE	Dawson		Wind S@7 Water Temp 64
20-Oct-17	REE	Dawson		Wind S@7 Water Temp 64
20-Oct-17	REE	Dawson		Wind S@7 Water Temp 64
13-Oct-17	RGZM	Valley	rained last 2 days, was very dry before that was overcast when I started and sunny when I finished	duckweed at NE corner of the lake
13-Oct-17	RGZM	Valley	rained last 2 days, was very dry before that was overcast when I started and sunny when I finished	duckweed at NE corner of the lake
13-Oct-17	RGZM	Valley	rained last 2 days, was very dry before that was overcast when I started and sunny when I finished	duckweed at NE corner of the lake
21-Oct-17	RGZM	Valley		
21-Oct-17	RGZM	Valley		
21-Oct-17	RGZM	Valley		
19-Oct-17	STO	Napa Suwe	So far in Oct. rainfall total is 8.3 " in the rain gauge.	No filamentous algae seen on the Lake.
19-Oct-17	STO	Napa Suwe	So far in Oct. rainfall total is 8.3 " in the rain gauge.	No filamentous algae seen on the Lake.
19-Oct-17	STO	Napa Suwe	So far in Oct. rainfall total is 8.3 " in the rain gauge.	No filamentous algae seen on the Lake.
20-Oct-17	RGZD	Miltmore		
20-Oct-17	RGZD	Miltmore		
20-Oct-17	RGZD	Miltmore		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Sep-17	REB	Sangchris		13:01	REB-4	21	FALSE	FALSE	0	12	3
19-Oct-17	RTW	Silver	No aeration. Surface temp = 61.7 F D.O.= 9.0 Bottom temp = 60.6 F - D.O.= 9.0	10:07	RTW-1	120	FALSE	TRUE	1	12	16.5
19-Oct-17	RTW	Silver	No aeration. Surface temp = 61.7 F D.O.= 9.0 Bottom temp = 60.6 F - D.O.= 9.0	10:31	RTW-2	108	FALSE	TRUE	2	12	9.5
19-Oct-17	RTW	Silver	No aeration. Surface temp = 61.7 F D.O.= 9.0 Bottom temp = 60.6 F - D.O.= 9.0	10:39	RTW-3	66	TRUE	FALSE	3	12	5.5
20-Oct-17	REE	Dawson		11:33	REE-1	32	FALSE	FALSE	0	12	23.5
20-Oct-17	REE	Dawson		11:21	REE-2	36	FALSE	FALSE	0	12	12.5
20-Oct-17	REE	Dawson		11:15	REE-3	34	FALSE	FALSE	0	17	6
13-Oct-17	RGZM	Valley		10:46	RGZM-1	26	FALSE	FALSE	0	13	9
13-Oct-17	RGZM	Valley		11:03	RGZM-2	27	FALSE	FALSE	0	13	7.5
13-Oct-17	RGZM	Valley		11:15	RGZM-3	25	FALSE	FALSE	0	13	6.5
21-Oct-17	RGZM	Valley		14:15	RGZM-1	22	FALSE	FALSE	0	13	9.5
21-Oct-17	RGZM	Valley		14:32	RGZM-2	24	FALSE	FALSE	0	3	8
21-Oct-17	RGZM	Valley		14:47	RGZM-3	23	FALSE	FALSE	0	3	7
19-Oct-17	STO	Napa Suwe	Chemical applications to control the water milfoil will be a topic for the annual Lake Napa-Suwe Association meeting on Oct. 26th.	13:20	STO-1	50	TRUE	FALSE	3	12	4
19-Oct-17	STO	Napa Suwe	Chemical applications to control the water milfoil will be a topic for the annual Lake Napa-Suwe Association meeting on Oct. 26th.	13:32	STO-2	40	FALSE	TRUE	4	12	4
19-Oct-17	STO	Napa Suwe	Chemical applications to control the water milfoil will be a topic for the annual Lake Napa-Suwe Association meeting on Oct. 26th.	13:51	STO-3	55	TRUE	FALSE	3	12	4.5
20-Oct-17	RGZD	Miltmore		14:30	RGZD-1	75	FALSE	FALSE	1	7	10.5
20-Oct-17	RGZD	Miltmore		15:05	RGZD-2	75	FALSE	FALSE	0	7	13.5
20-Oct-17	RGZD	Miltmore		14:47	RGZD-3	78	FALSE	FALSE	2	7	7.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
16-Oct-17	RGZB	Hastings		7.00	2.5	Sunny	Calm/Ripple	S	Normal or Full	0
16-Oct-17	RGZB	Hastings		7.00	2.5	Sunny	Calm/Ripple	S	Normal or Full	0
11-Sep-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	SE	Below Normal	0.5
11-Sep-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	SE	Below Normal	0.5
11-Sep-17	VTD	Deep		2.00	0	Partly Cloudy	Small Waves	SE	Below Normal	0.5
31-Aug-17	RTZG	Duck		4.00	0	Partly Cloudy	Moderate Waves	NE	Above Normal	2.75
31-Aug-17	RTZG	Duck		4.00	0	Partly Cloudy	Moderate Waves	NE	Above Normal	2.75
31-Aug-17	RTZG	Duck		4.00	0	Partly Cloudy	Moderate Waves	NE	Above Normal	2.75
11-Sep-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SE	Below Normal	0.25
11-Sep-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SE	Below Normal	0.25
11-Sep-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SE	Below Normal	0.25
22-Sep-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SW	Above Normal	0.3
22-Sep-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SW	Above Normal	0.3
22-Sep-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SW	Above Normal	0.3
04-Oct-17	RTZG	Duck		4.00	0	Sunny	Calm/Ripple	NW	Below Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
16-Oct-17	RGZB	Hastings	Vegetation is dying. Bottom and shoreline are now visible in places.	Perfect day for monitoring ! Explored shoreline which added extra hours for monitoring.
16-Oct-17	RGZB	Hastings	Vegetation is dying. Bottom and shoreline are now visible in places.	Perfect day for monitoring ! Explored shoreline which added extra hours for monitoring.
11-Sep-17	VTD	Deep		zebra trap - clean, 49 inches=normal lake level
11-Sep-17	VTD	Deep		zebra trap - clean, 49 inches=normal lake level
11-Sep-17	VTD	Deep		zebra trap - clean, 49 inches=normal lake level
31-Aug-17	RTZG	Duck	8/10 - 1.9" rain, 8/14- 0.22" deluge, cooler than normal august and entire summer	water clarity has lessened
31-Aug-17	RTZG	Duck	8/10 - 1.9" rain, 8/14- 0.22" deluge, cooler than normal august and entire summer	water clarity has lessened
31-Aug-17	RTZG	Duck	8/10 - 1.9" rain, 8/14- 0.22" deluge, cooler than normal august and entire summer	water clarity has lessened
11-Sep-17	RTZG	Duck	No rain. Weather warmer than usual september, more like august of the past.	
11-Sep-17	RTZG	Duck	No rain. Weather warmer than usual september, more like august of the past.	
11-Sep-17	RTZG	Duck	No rain. Weather warmer than usual september, more like august of the past.	
22-Sep-17	RTZG	Duck	No Rain! Last 3 days in the 90's - summer temps this september. Water level has gone up - beavers?	1 kayak fisherman, sago pondweed, growing near the SW shoreline, floating sago pondweed here and there, Lillies large and healthy but there presence had decreased 80% from past years.
22-Sep-17	RTZG	Duck	No Rain! Last 3 days in the 90's - summer temps this september. Water level has gone up - beavers?	1 kayak fisherman, sago pondweed, growing near the SW shoreline, floating sago pondweed here and there, Lillies large and healthy but there presence had decreased 80% from past years.
22-Sep-17	RTZG	Duck	No Rain! Last 3 days in the 90's - summer temps this september. Water level has gone up - beavers?	1 kayak fisherman, sago pondweed, growing near the SW shoreline, floating sago pondweed here and there, Lillies large and healthy but there presence had decreased 80% from past years.
04-Oct-17	RTZG	Duck	warmer than usual fall. Many days in the 90's. No rain since last monitoring.	Havent been pulling up any plants on my anchor. i checked our neighborhood shoreline area and found plants (sago pondweed, water stargrass, coontail, white water lilies, and spatterdock only very visible plants around the lake).

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
16-Oct-17	RGZB	Hastings	Northwestern Univ was doing a sediment study near site 1 the week prior.	10:25	RGZB-1	52	FALSE	FALSE	0	13	26.5
16-Oct-17	RGZB	Hastings	Northwestern Univ was doing a sediment study near site 1 the week prior.	10:00	RGZB-3	52	FALSE	FALSE	0	13	15
11-Sep-17	VTD	Deep		14:35	VTD-1	242	FALSE	FALSE	0	8	49
11-Sep-17	VTD	Deep		14:55	VTD-2	243	FALSE	FALSE	0	8	35
11-Sep-17	VTD	Deep		15:20	VTD-3	240	FALSE	FALSE	0	8	38
31-Aug-17	RTZG	Duck		12:10	RTZG-1	18	FALSE	FALSE	0	14	9
31-Aug-17	RTZG	Duck		12:40	RTZG-2	17	FALSE	FALSE	0	14	5.5
31-Aug-17	RTZG	Duck		12:25	RTZG-3	17	FALSE	FALSE	1	14	6
11-Sep-17	RTZG	Duck		12:30	RTZG-1	24	FALSE	FALSE	0	13	9
11-Sep-17	RTZG	Duck		12:45	RTZG-3	24	FALSE	FALSE	0	13	6.5
11-Sep-17	RTZG	Duck		1:00	RTZG-2		FALSE	FALSE	0		
22-Sep-17	RTZG	Duck		11:00	RTZG-1	23	FALSE	FALSE	0	13	9
22-Sep-17	RTZG	Duck		11:25	RTZG-2	24	FALSE	FALSE	0	13	5
22-Sep-17	RTZG	Duck		11:15	RTZG-3	28	FALSE	FALSE	0	13	7
04-Oct-17	RTZG	Duck		12:55	RTZG-1	26	FALSE	FALSE	0	11	8.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
04-Oct-17	RTZG	Duck		4.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
04-Oct-17	RTZG	Duck		4.00	0	Sunny	Calm/Ripple	NW	Below Normal	2
04-Oct-17	RTZT	Barrington	Less Than 5%	4.00	0	Overcast	Calm/Ripple	NW	Below Normal	0.4
04-Oct-17	RTZT	Barrington	Less Than 5%	4.00	0	Overcast	Calm/Ripple	NW	Below Normal	0.4
04-Oct-17	RTZT	Barrington	Less Than 5%	4.00	0	Overcast	Calm/Ripple	NW	Below Normal	0.4
04-Oct-17	RTZT	Barrington	Less Than 5%	4.00	0	Overcast	Calm/Ripple	NW	Below Normal	0.4
19-Oct-17	RGP	Minear		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
19-Oct-17	RGP	Minear		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
19-Oct-17	RGP	Minear		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
19-Oct-17	RGP	Minear		1.00	0	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
30-Sep-17	RPI	Summerset		1.00	0	Sunny	Small Waves	E	Above Normal	0.5
30-Sep-17	RPI	Summerset		1.00	0	Sunny	Small Waves	E	Above Normal	0.5
30-Sep-17	RPI	Summerset		1.00	0	Sunny	Small Waves	E	Above Normal	0.5
04-Oct-17	RDW	Beaver	Less Than 5%	2.00	0.5	Overcast	Calm/Ripple	NW	Below Normal	
04-Oct-17	RDW	Beaver	Less Than 5%	2.00	0.5	Overcast	Calm/Ripple	NW	Below Normal	
04-Oct-17	RDW	Beaver	Less Than 5%	2.00	0.5	Overcast	Calm/Ripple	NW	Below Normal	
04-Oct-17	RDW	Beaver	Less Than 5%	2.00	0.5	Overcast	Calm/Ripple	NW	Below Normal	
04-Oct-17	RDW	Beaver	Less Than 5%	2.00	0.5	Overcast	Calm/Ripple	NW	Below Normal	
16-Oct-17	UDH	Sunset	Less Than 5%	#VALUE!	1	Sunny	Calm/Ripple	Calm	Below Normal	6
16-Oct-17	UDH	Sunset	Less Than 5%	#VALUE!	1	Sunny	Calm/Ripple	Calm	Below Normal	6
16-Oct-17	UDH	Sunset	Less Than 5%	#VALUE!	1	Sunny	Calm/Ripple	Calm	Below Normal	6
19-Oct-17	RTZV	Killarney	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
19-Oct-17	RTZV	Killarney	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
19-Oct-17	RTZV	Killarney	51% To 70%	2.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
04-Oct-17	RTZG	Duck	warmer than usual fall. Many days in the 90's. No rain since last monitoring.	Havent been pulling up any plants on my anchor. i checked our neighborhood shoreline area and found plants (sago pondweed, water stargrass, coontail, white water lilies, and spatterdock only very visible plants around the lake).
04-Oct-17	RTZG	Duck	warmer than usual fall. Many days in the 90's. No rain since last monitoring.	Havent been pulling up any plants on my anchor. i checked our neighborhood shoreline area and found plants (sago pondweed, water stargrass, coontail, white water lilies, and spatterdock only very visible plants around the lake).
04-Oct-17	RTZT	Barrington	light ripple	
04-Oct-17	RTZT	Barrington	light ripple	
04-Oct-17	RTZT	Barrington	light ripple	
04-Oct-17	RTZT	Barrington	light ripple	
19-Oct-17	RGP	Minear		
19-Oct-17	RGP	Minear		
19-Oct-17	RGP	Minear		
19-Oct-17	RGP	Minear		
30-Sep-17	RPI	Summerset	Very Dry, near drought	
30-Sep-17	RPI	Summerset	Very Dry, near drought	
30-Sep-17	RPI	Summerset	Very Dry, near drought	
04-Oct-17	RDW	Beaver		
04-Oct-17	RDW	Beaver		
04-Oct-17	RDW	Beaver		
04-Oct-17	RDW	Beaver		
04-Oct-17	RDW	Beaver		
16-Oct-17	UDH	Sunset		
16-Oct-17	UDH	Sunset		
16-Oct-17	UDH	Sunset		
19-Oct-17	RTZV	Killarney	None	Water still flowing into lake from culvert along north shore. source still unknown
19-Oct-17	RTZV	Killarney	None	Water still flowing into lake from culvert along north shore. source still unknown
19-Oct-17	RTZV	Killarney	None	Water still flowing into lake from culvert along north shore. source still unknown

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
04-Oct-17	RTZG	Duck		13:07	RTZG-2	26	FALSE	FALSE	0	11	6.5
04-Oct-17	RTZG	Duck		13:20	RTZG-3	25	FALSE	FALSE	0	11	4.5
04-Oct-17	RTZT	Barrington		09:29	RTZT-1	4	FALSE	FALSE	0	17	10.5
04-Oct-17	RTZT	Barrington		09:36	RTZT-2	4	FALSE	FALSE	0	17	11
04-Oct-17	RTZT	Barrington		09:48	RTZT-3	5	FALSE	FALSE	0	17	11
04-Oct-17	RTZT	Barrington		09:20	RTZT-4	4	FALSE	FALSE	0	17	6.5
19-Oct-17	RGP	Minear		16:40	RGP-1	27	FALSE	FALSE	0	14	17
19-Oct-17	RGP	Minear		16:34	RGP-2	33	FALSE	FALSE	0	14	12
19-Oct-17	RGP	Minear		16:45	RGP-3	26	FALSE	FALSE	0	14	16.5
19-Oct-17	RGP	Minear		16:54	RGP-4	25	FALSE	FALSE	0	14	10.5
30-Sep-17	RPI	Summerset		10:40	RPI-1	27	FALSE	FALSE	0	12	32
30-Sep-17	RPI	Summerset		11:20	RPI-2	28	FALSE	FALSE	0	12	22
30-Sep-17	RPI	Summerset		12:00	RPI-3	24	FALSE	FALSE	0	12	12
04-Oct-17	RDW	Beaver		15:25	RDW-1	84	FALSE	FALSE	0	8	18.5
04-Oct-17	RDW	Beaver		15:10	RDW-2	84	FALSE	FALSE	0	6	18
04-Oct-17	RDW	Beaver		15:00	RDW-3	24	FALSE	FALSE	0	17	4
04-Oct-17	RDW	Beaver		15:50	RDW-4	78	FALSE	FALSE	0	8	13
04-Oct-17	RDW	Beaver		15:40	RDW-6	114	FALSE	FALSE	0	8	21.5
16-Oct-17	UDH	Sunset		8:45	UDH-1	33	FALSE	FALSE	0	13	31
16-Oct-17	UDH	Sunset		8:30	UDH-2	33	FALSE	FALSE	0	13	16
16-Oct-17	UDH	Sunset		9:00	UDH-3	32	FALSE	FALSE	0	13	10
19-Oct-17	RTZV	Killarney	9-29-17 Stocked Large Mouth bass, Hybrid Sunfish, and Channel Catfish. 10-19-17 Aerators turned off for the season.	12:45	RTZV-1	102	FALSE	FALSE	0	3	21.5
19-Oct-17	RTZV	Killarney	9-29-17 Stocked Large Mouth bass, Hybrid Sunfish, and Channel Catfish. 10-19-17 Aerators turned off for the season.	13:20	RTZV-2	102	FALSE	FALSE	0	3	18.5
19-Oct-17	RTZV	Killarney	9-29-17 Stocked Large Mouth bass, Hybrid Sunfish, and Channel Catfish. 10-19-17 Aerators turned off for the season.	13:45	RTZV-3	99	FALSE	FALSE	2	3	11

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
19-Oct-17	SGB	Virginia	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NONE	Above Normal	4
19-Oct-17	SGB	Virginia	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NONE	Above Normal	4
19-Oct-17	SGB	Virginia	Less Than 5%	1.50	0	Sunny	Calm/Ripple	NONE	Above Normal	4
16-Oct-17	VGZF	Deboer Woods		2.00	6	Sunny	Calm/Ripple	S	Above Normal	6
16-Oct-17	VGZF	Deboer Woods		2.00	6	Sunny	Calm/Ripple	S	Above Normal	6
16-Oct-17	VGZF	Deboer Woods		2.00	6	Sunny	Calm/Ripple	S	Above Normal	6
25-Oct-17	RHJA	Chicago Botanic Garden		6.00	1.16	Partly Cloudy	Moderate Waves	W	Normal or Full	0
25-Oct-17	RHJA	Chicago Botanic Garden		6.00	1.16	Partly Cloudy	Moderate Waves	W	Normal or Full	0
25-Oct-17	RHJA	Chicago Botanic Garden		6.00	1.16	Partly Cloudy	Moderate Waves	W	Normal or Full	0
09-Oct-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0.12	Partly Cloudy	Calm/Ripple	NE	Below Normal	8
09-Oct-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0.12	Partly Cloudy	Calm/Ripple	NE	Below Normal	8
09-Oct-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	0.12	Partly Cloudy	Calm/Ripple	NE	Below Normal	8

Sample Date	Lake Code	Waterbody	Observations	Other Information
19-Oct-17	SGB	Virginia	8 inches of rain fell 4 days ago. We had no rain for 6 weeks before that day.	
19-Oct-17	SGB	Virginia	8 inches of rain fell 4 days ago. We had no rain for 6 weeks before that day.	
19-Oct-17	SGB	Virginia	8 inches of rain fell 4 days ago. We had no rain for 6 weeks before that day.	
16-Oct-17	VGZF	Deboer Woods	Record rainfall the previous week	Reduced B/G algae to barely visible.. Most surface and below near surface algae gone. Odor gone.
16-Oct-17	VGZF	Deboer Woods	Record rainfall the previous week	Reduced B/G algae to barely visible.. Most surface and below near surface algae gone. Odor gone.
16-Oct-17	VGZF	Deboer Woods	Record rainfall the previous week	Reduced B/G algae to barely visible.. Most surface and below near surface algae gone. Odor gone.
25-Oct-17	RHJA	Chicago Botanic Garden	Overflow of Skokie River over North Weir on Oct. 15, 2017	
25-Oct-17	RHJA	Chicago Botanic Garden	Overflow of Skokie River over North Weir on Oct. 15, 2017	
25-Oct-17	RHJA	Chicago Botanic Garden	Overflow of Skokie River over North Weir on Oct. 15, 2017	
09-Oct-17	RPZI	Richardson Wildlife		D.O. 7.75 PPM; 87.6% Saturation Temp 65.9' F; 18.7' C Secchi color recorded as "1" but very close to "5" as well. -Secchi color readings affected by aquashade blue dye. Horned pondweed, small amt of emergent cattails and sedges and reed canarygrass
09-Oct-17	RPZI	Richardson Wildlife		D.O. 7.75 PPM; 87.6% Saturation Temp 65.9' F; 18.7' C Secchi color recorded as "1" but very close to "5" as well. -Secchi color readings affected by aquashade blue dye. Horned pondweed, small amt of emergent cattails and sedges and reed canarygrass
09-Oct-17	RPZI	Richardson Wildlife		D.O. 7.75 PPM; 87.6% Saturation Temp 65.9' F; 18.7' C Secchi color recorded as "1" but very close to "5" as well. -Secchi color readings affected by aquashade blue dye. Horned pondweed, small amt of emergent cattails and sedges and reed canarygrass

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
19-Oct-17	SGB	Virginia		15:50	SGB-1	192	FALSE	FALSE	0	3	62
19-Oct-17	SGB	Virginia		15:30	SGB-2	192	FALSE	FALSE	0	3	44
19-Oct-17	SGB	Virginia		15:10	SGB-3	232	FALSE	FALSE	0	3	44.5
16-Oct-17	VGZF	Deboer Woods	None	10:11	VGZF-1	56	FALSE	FALSE	1	13	22
16-Oct-17	VGZF	Deboer Woods	None	10:25	VGZF-2	35	FALSE	FALSE	0	13	12
16-Oct-17	VGZF	Deboer Woods	None	10:35	VGZF-3	84	FALSE	FALSE	0	13	12
25-Oct-17	RHJA	Chicago Botanic Garden		11:00	RHJA-1	20	FALSE	FALSE	0	12	12
25-Oct-17	RHJA	Chicago Botanic Garden		11:50	RHJA-2	45	FALSE	FALSE	0	12	14.5
25-Oct-17	RHJA	Chicago Botanic Garden		12:20	RHJA-3	44	FALSE	FALSE	0	12	13
09-Oct-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	08:34	RPZI-1	32	FALSE	FALSE	0	1	6
09-Oct-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	08:42	RPZI-2	33	FALSE	FALSE	0	1	7
09-Oct-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	08:51	RPZI-3	32	FALSE	FALSE	0	1	4

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
12-Oct-17	STM	La Fox Pond		3.00	0.5	Overcast	Calm/Ripple	SE	Normal or Full	0
12-Oct-17	STM	La Fox Pond		3.00	0.5	Overcast	Calm/Ripple	SE	Normal or Full	0
12-Oct-17	STM	La Fox Pond		3.00	0.5	Overcast	Calm/Ripple	SE	Normal or Full	0
24-Oct-17	STM	La Fox Pond	Less Than 5%	3.00	1	Overcast	Calm/Ripple	W	Above Normal	4
24-Oct-17	STM	La Fox Pond	Less Than 5%	3.00	1	Overcast	Calm/Ripple	W	Above Normal	4
24-Oct-17	STM	La Fox Pond	Less Than 5%	3.00	1	Overcast	Calm/Ripple	W	Above Normal	4
25-Oct-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1	Sunny	Calm/Ripple	W	Normal or Full	0
25-Oct-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1	Sunny	Calm/Ripple	W	Normal or Full	0
25-Oct-17	RPZI	Richardson Wildlife	Less Than 5%	1.50	1	Sunny	Calm/Ripple	W	Normal or Full	0
25-Oct-17	VDE	Catatoga	Less Than 5%	6.00	0	Partly Cloudy	Small Waves	S	Below Normal	12
25-Oct-17	VDE	Catatoga	Less Than 5%	6.00	0	Partly Cloudy	Small Waves	S	Below Normal	12
26-Oct-17	RTZZ	Woods Creek	Less Than 5%	4.00	0.5	Partly Cloudy	Small Waves	SE	Normal or Full	0
26-Oct-17	RTZZ	Woods Creek	Less Than 5%	4.00	0.5	Partly Cloudy	Small Waves	SE	Normal or Full	0
26-Oct-17	RTZZ	Woods Creek	Less Than 5%	4.00	0.5	Partly Cloudy	Small Waves	SE	Normal or Full	0
26-Oct-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Small Waves	E	Below Normal	6

Sample Date	Lake Code	Waterbody	Observations	Other Information
12-Oct-17	STM	La Fox Pond		D.O. 7.62 PPM; 82.8% Saturation Temp: 61.8' F; 16.7' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara
12-Oct-17	STM	La Fox Pond		D.O. 7.62 PPM; 82.8% Saturation Temp: 61.8' F; 16.7' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara
12-Oct-17	STM	La Fox Pond		D.O. 7.62 PPM; 82.8% Saturation Temp: 61.8' F; 16.7' C -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara
24-Oct-17	STM	La Fox Pond		D.O. 8.13 PPM, 84.1% Saturation -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara
24-Oct-17	STM	La Fox Pond		D.O. 8.13 PPM, 84.1% Saturation -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara
24-Oct-17	STM	La Fox Pond		D.O. 8.13 PPM, 84.1% Saturation -Secchi color readings affected by aquashade blue dye. Horned Pondweed, Chara
25-Oct-17	RPZI	Richardson Wildlife	Rainy recently and cool	D.O. 8.75 PPM; 89% Saturation -Secchi color readings affected by aquashade blue dye. Horned pondweed, small amt of emergent cattails and sedges and reed canarygrass
25-Oct-17	RPZI	Richardson Wildlife	Rainy recently and cool	D.O. 8.75 PPM; 89% Saturation -Secchi color readings affected by aquashade blue dye. Horned pondweed, small amt of emergent cattails and sedges and reed canarygrass
25-Oct-17	RPZI	Richardson Wildlife	Rainy recently and cool	D.O. 8.75 PPM; 89% Saturation -Secchi color readings affected by aquashade blue dye. Horned pondweed, small amt of emergent cattails and sedges and reed canarygrass
25-Oct-17	VDE	Catatoga	Much less surface vegetation	
25-Oct-17	VDE	Catatoga	Much less surface vegetation	
26-Oct-17	RTZZ	Woods Creek	over the weekend heavy rainfall	
26-Oct-17	RTZZ	Woods Creek	over the weekend heavy rainfall	
26-Oct-17	RTZZ	Woods Creek	over the weekend heavy rainfall	
26-Oct-17	RDR	Spring		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
12-Oct-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	13:51	STM-1	45	FALSE	FALSE	0	6	9
12-Oct-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	13:59	STM-2	45	FALSE	FALSE	0	6	6
12-Oct-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	14:17	STM-3	45	FALSE	FALSE	1	6	6
24-Oct-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	13:53	STM-1	42	FALSE	FALSE	0	6	9.5
24-Oct-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	14:11	STM-2	42	FALSE	FALSE	0	6	6.5
24-Oct-17	STM	La Fox Pond	-Lake has continuous Aeration by 4 airstone diffusers on Lake bottom.	14:21	STM-3	42	FALSE	FALSE	0	6	6.5
25-Oct-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	14:51	RPZI-1	42	FALSE	FALSE	0	1	6
25-Oct-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	15:11	RPZI-2	40	FALSE	FALSE	0	1	6
25-Oct-17	RPZI	Richardson Wildlife	-Lake has continuous Aeration by 10 airstone diffusers on Lake bottom.	15:21	RPZI-3	40	FALSE	FALSE	0	1	4.5
25-Oct-17	VDE	Catatoga		11:25	VDE-1	82	FALSE	FALSE	0	17	46
25-Oct-17	VDE	Catatoga		11:40	VDE-2	85	FALSE	FALSE	0	17	32
26-Oct-17	RTZZ	Woods Creek		13:15	RTZZ-1	30	FALSE	FALSE	0	10	26
26-Oct-17	RTZZ	Woods Creek		13:30	RTZZ-2	36	FALSE	FALSE	0	6	16
26-Oct-17	RTZZ	Woods Creek		13:45	RTZZ-3	36	FALSE	FALSE	0	6	6
26-Oct-17	RDR	Spring		10:33	RDR-1	25	FALSE	FALSE	0	12	22

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Oct-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Small Waves	E	Below Normal	6
26-Oct-17	RDR	Spring	Less Than 5%	8.00	0	Sunny	Small Waves	E	Below Normal	6
23-Oct-17	RMJ	Apple Canyon	Less Than 5%	4.00	0.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
23-Oct-17	RMJ	Apple Canyon	Less Than 5%	4.00	0.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
23-Oct-17	RMJ	Apple Canyon	Less Than 5%	4.00	0.5	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
16-Oct-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	W	Below Normal	20
16-Oct-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	W	Below Normal	20
16-Oct-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	W	Below Normal	20
27-Oct-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	20
27-Oct-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	20
27-Oct-17	RCE	Sara	Less Than 5%	4.00	0	Sunny	Calm/Ripple	N	Below Normal	20
29-Oct-17	RNJ	Devils Kitchen		4.00	0.1	Sunny	Calm/Ripple	NE	Below Normal	6
29-Oct-17	RNJ	Devils Kitchen		4.00	0.1	Sunny	Calm/Ripple	NE	Below Normal	6
29-Oct-17	RNJ	Devils Kitchen		4.00	0.1	Sunny	Calm/Ripple	NE	Below Normal	6
11-Jul-17	VGI	Leopold		1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
11-Jul-17	VGI	Leopold		1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
11-Jul-17	VGI	Leopold		1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
25-Jul-17	VGI	Leopold	51% To 70%	1.50	1.5	Sunny	Moderate Waves	W	Above Normal	5
25-Jul-17	VGI	Leopold	51% To 70%	1.50	1.5	Sunny	Moderate Waves	W	Above Normal	5
25-Jul-17	VGI	Leopold	51% To 70%	1.50	1.5	Sunny	Moderate Waves	W	Above Normal	5
08-Aug-17	VGI	Leopold	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
08-Aug-17	VGI	Leopold	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
08-Aug-17	VGI	Leopold	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
22-Aug-17	VGI	Leopold	51% To 70%	1.50	0	Partly Cloudy	Calm/Ripple	W	Below Normal	4
22-Aug-17	VGI	Leopold	51% To 70%	1.50	0	Partly Cloudy	Calm/Ripple	W	Below Normal	4
22-Aug-17	VGI	Leopold	51% To 70%	1.50	0	Partly Cloudy	Calm/Ripple	W	Below Normal	4
08-Oct-17	RTD	Catherine	Less Than 5%	2.00	0	Sunny	Small Waves	SE	Above Normal	4
08-Oct-17	RTD	Catherine	Less Than 5%	2.00	0	Sunny	Small Waves	SE	Above Normal	4
08-Oct-17	RTD	Catherine	Less Than 5%	2.00	0	Sunny	Small Waves	SE	Above Normal	4
29-Oct-17	RTD	Catherine	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Above Normal	5
29-Oct-17	RTD	Catherine	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Above Normal	5
29-Oct-17	RTD	Catherine	Less Than 5%	1.00	0	Sunny	Small Waves	SW	Above Normal	5
26-Oct-17	RGU	Loch Lomond	No Selection	4.00	1.5	Hazy	Moderate Waves	E	Above Normal	12
26-Oct-17	RGU	Loch Lomond	No Selection	4.00	1.5	Hazy	Moderate Waves	E	Above Normal	12

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Oct-17	RDR	Spring		
26-Oct-17	RDR	Spring		
23-Oct-17	RMJ	Apple Canyon	None	
23-Oct-17	RMJ	Apple Canyon	None	
23-Oct-17	RMJ	Apple Canyon	None	
16-Oct-17	RCE	Sara	5 inches of rain since last sample.	
16-Oct-17	RCE	Sara	5 inches of rain since last sample.	
16-Oct-17	RCE	Sara	5 inches of rain since last sample.	
27-Oct-17	RCE	Sara		
27-Oct-17	RCE	Sara		
27-Oct-17	RCE	Sara		
29-Oct-17	RNJ	Devils Kitchen		
29-Oct-17	RNJ	Devils Kitchen		
29-Oct-17	RNJ	Devils Kitchen		
11-Jul-17	VGI	Leopold		Clarity is really good for mid July
11-Jul-17	VGI	Leopold		Clarity is really good for mid July
11-Jul-17	VGI	Leopold		Clarity is really good for mid July
25-Jul-17	VGI	Leopold	Moderate rain in last 48 hours. Record rain within last two weeks.	Lake is still high from heavy rains two weeks ago
25-Jul-17	VGI	Leopold	Moderate rain in last 48 hours. Record rain within last two weeks.	Lake is still high from heavy rains two weeks ago
25-Jul-17	VGI	Leopold	Moderate rain in last 48 hours. Record rain within last two weeks.	Lake is still high from heavy rains two weeks ago
08-Aug-17	VGI	Leopold	Avg temps	Planktonic bloom
08-Aug-17	VGI	Leopold	Avg temps	Planktonic bloom
08-Aug-17	VGI	Leopold	Avg temps	Planktonic bloom
22-Aug-17	VGI	Leopold	Above avg temps. No rain.	Planktonic bloom continues
22-Aug-17	VGI	Leopold	Above avg temps. No rain.	Planktonic bloom continues
22-Aug-17	VGI	Leopold	Above avg temps. No rain.	Planktonic bloom continues
08-Oct-17	RTD	Catherine		
08-Oct-17	RTD	Catherine		
08-Oct-17	RTD	Catherine		
29-Oct-17	RTD	Catherine		
29-Oct-17	RTD	Catherine		
29-Oct-17	RTD	Catherine		
26-Oct-17	RGU	Loch Lomond	windy, 15 -25 mph winds	none
26-Oct-17	RGU	Loch Lomond	windy, 15 -25 mph winds	none

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Oct-17	RDR	Spring		09:15	RDR-2	18	FALSE	FALSE	0	13	7
26-Oct-17	RDR	Spring		08:35	RDR-3	12	FALSE	FALSE	0	13	2
23-Oct-17	RMJ	Apple Canyon		09:45	RMJ-1	165	FALSE	FALSE	0	0	40
23-Oct-17	RMJ	Apple Canyon		10:10	RMJ-2	143	FALSE	FALSE	0	0	50
23-Oct-17	RMJ	Apple Canyon		09:15	RMJ-3	68	FALSE	FALSE	1	0	11
16-Oct-17	RCE	Sara		10:47	RCE-1	48	FALSE	FALSE	0	0	45
16-Oct-17	RCE	Sara		10:59	RCE-2	46	FALSE	FALSE	0	0	34
16-Oct-17	RCE	Sara		11:10	RCE-3	45	FALSE	FALSE	0	0	17
27-Oct-17	RCE	Sara		10:40	RCE-1	38	FALSE	FALSE	0	0	45
27-Oct-17	RCE	Sara		10:56	RCE-2	34	FALSE	FALSE	0	0	34
27-Oct-17	RCE	Sara		11:11	RCE-3	38	FALSE	FALSE	0	0	18
29-Oct-17	RNJ	Devils Kitchen		11:07	RNJ-1	84	FALSE	FALSE	3	12	40
29-Oct-17	RNJ	Devils Kitchen		10:51	RNJ-2	60	FALSE	FALSE	3	13	37
29-Oct-17	RNJ	Devils Kitchen		11:51	RNJ-3	60	FALSE	FALSE	2	13	42
11-Jul-17	VGI	Leopold		11:00	VGI-1	114	FALSE	FALSE	0	17	15
11-Jul-17	VGI	Leopold		11:55	VGI-2	72	TRUE	FALSE	3	17	6
11-Jul-17	VGI	Leopold		11:20	VGI-3	120	TRUE	FALSE	1	17	10
25-Jul-17	VGI	Leopold		10:02	VGI-1	105	FALSE	FALSE	0	17	15.5
25-Jul-17	VGI	Leopold		11:00	VGI-2	72	FALSE	FALSE	3	17	6
25-Jul-17	VGI	Leopold		10:40	VGI-3	100	FALSE	FALSE	1	17	10.5
08-Aug-17	VGI	Leopold		10:30	VGI-1	86	FALSE	FALSE	0	17	15
08-Aug-17	VGI	Leopold		11:10	VGI-2	72	TRUE	FALSE	3	17	6
08-Aug-17	VGI	Leopold		10:50	VGI-3	89	FALSE	FALSE	3	17	10
22-Aug-17	VGI	Leopold		10:15	VGI-1	62	FALSE	FALSE	0	17	15
22-Aug-17	VGI	Leopold		11:15	VGI-2	65	TRUE	FALSE	3	17	6
22-Aug-17	VGI	Leopold		10:50	VGI-3	74	FALSE	FALSE	1	17	10
08-Oct-17	RTD	Catherine		10:05	RTD-1	54	FALSE	FALSE	0	12	38
08-Oct-17	RTD	Catherine		10:27	RTD-2	50	FALSE	FALSE	0	12	36
08-Oct-17	RTD	Catherine		10:49	RTD-3	58	FALSE	FALSE	0	12	34
29-Oct-17	RTD	Catherine		15:50	RTD-1	58	FALSE	FALSE	0	13	39.5
29-Oct-17	RTD	Catherine		15:23	RTD-2	55	FALSE	FALSE	0	13	37
29-Oct-17	RTD	Catherine		14:55	RTD-3	62	FALSE	FALSE	0	13	35.5
26-Oct-17	RGU	Loch Lomond	tds=162, cond=323, temp=12.7C	10:30	RGU-1	33	FALSE	FALSE	0	14	8
26-Oct-17	RGU	Loch Lomond	tds=162, cond=323, temp=12.7C	10:50	RGU-2	30	FALSE	FALSE	0	14	7.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Oct-17	RGU	Loch Lomond	No Selection	4.00	1.5	Hazy	Moderate Waves	E	Above Normal	12
19-Oct-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	W	Above Normal	1
19-Oct-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	W	Above Normal	1
19-Oct-17	RGU	Loch Lomond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	W	Above Normal	1
24-Oct-17	RNI	Carbondale	No Selection	2.00	1.5	Partly Cloudy	Moderate Waves	W	Below Normal	10
24-Oct-17	RNI	Carbondale	No Selection	2.00	1.5	Partly Cloudy	Moderate Waves	W	Below Normal	10
11-Oct-17	RNI	Carbondale	Less Than 5%	2.00	0.86	Overcast	Calm/Ripple	W	Below Normal	12
11-Oct-17	RNI	Carbondale	Less Than 5%	2.00	0.86	Overcast	Calm/Ripple	W	Below Normal	12
03-Oct-17	RAZP	Arcadia	Less Than 5%	1.00	0.5	Overcast	Calm/Ripple	S	Below Normal	6
03-Oct-17	RAZP	Arcadia	Less Than 5%	1.00	0.5	Overcast	Calm/Ripple	S	Below Normal	6
03-Oct-17	RAZP	Arcadia	Less Than 5%	1.00	0.5	Overcast	Calm/Ripple	S	Below Normal	6
17-Oct-17	RGW	Third	No Selection	2.00	0	Sunny	Moderate Waves	W	Above Normal	3
17-Oct-17	RGW	Third	No Selection	2.00	0	Sunny	Moderate Waves	W	Above Normal	3
17-Oct-17	RGW	Third	No Selection	2.00	0	Sunny	Moderate Waves	W	Above Normal	3
14-Oct-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	No Selection	S	Below Normal	36
14-Oct-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	No Selection	S	Below Normal	36
14-Oct-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	No Selection	S	Below Normal	36
13-Oct-17	RNZZ	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	20
13-Oct-17	RNZZ	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	20
13-Oct-17	RNZZ	Spring Arbor	Less Than 5%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	20
07-Sep-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	S	Below Normal	6
07-Sep-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	S	Below Normal	6
07-Sep-17	RNZO	New Thompson		1.00	0	Sunny	Calm/Ripple	S	Below Normal	6
03-Oct-17	RNZZ	Miller	Less Than 5%	4.50	0	Overcast	Calm/Ripple	SE	Below Normal	15
03-Oct-17	RNZZ	Miller	Less Than 5%	4.50	0	Overcast	Calm/Ripple	SE	Below Normal	15
03-Oct-17	RNZZ	Miller	Less Than 5%	4.50	0	Overcast	Calm/Ripple	SE	Below Normal	15

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Oct-17	RGU	Loch Lomond	windy, 15 -25 mph winds	none
19-Oct-17	RGU	Loch Lomond	none	none
19-Oct-17	RGU	Loch Lomond	none	none
19-Oct-17	RGU	Loch Lomond	none	none
24-Oct-17	RNI	Carbondale		
24-Oct-17	RNI	Carbondale		
11-Oct-17	RNI	Carbondale		
11-Oct-17	RNI	Carbondale		
03-Oct-17	RAZP	Arcadia		
03-Oct-17	RAZP	Arcadia		
03-Oct-17	RAZP	Arcadia		
17-Oct-17	RGW	Third	Significant rainfall 72 hours ago	Aerators off
17-Oct-17	RGW	Third	Significant rainfall 72 hours ago	Aerators off
17-Oct-17	RGW	Third	Significant rainfall 72 hours ago	Aerators off
14-Oct-17	SNA	Chautauqua		Water clearer than usual
14-Oct-17	SNA	Chautauqua		Water clearer than usual
14-Oct-17	SNA	Chautauqua		Water clearer than usual
13-Oct-17	RNZN	Spring Arbor		
13-Oct-17	RNZN	Spring Arbor		
13-Oct-17	RNZN	Spring Arbor		
13-Oct-17	RNZN	Spring Arbor		
07-Sep-17	RNZO	New Thompson	No rain	algae continues to be problem
07-Sep-17	RNZO	New Thompson	No rain	algae continues to be problem
07-Sep-17	RNZO	New Thompson	No rain	algae continues to be problem
03-Oct-17	RNZI	Miller		
03-Oct-17	RNZI	Miller		
03-Oct-17	RNZI	Miller		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Oct-17	RGU	Loch Lomond	tds=162, cond=323, temp=12.7C	11:20	RGU-3	33	FALSE	FALSE	0	14	5
19-Oct-17	RGU	Loch Lomond	tds-168 cond= 240 us/cm temp:20C	13:32	RGU-1	36	FALSE	FALSE	0	12	8
19-Oct-17	RGU	Loch Lomond	tds-168 cond= 240 us/cm temp:20C	13:51	RGU-2	31	FALSE	FALSE	0	12	7
19-Oct-17	RGU	Loch Lomond	tds-168 cond= 240 us/cm temp:20C	13:25	RGU-3	30	FALSE	FALSE	0	12	5
24-Oct-17	RNI	Carbondale		12:00	RNI-1	12	FALSE	FALSE	0	13	7
24-Oct-17	RNI	Carbondale		12:10	RNI-2	12	FALSE	FALSE	0	12	7
11-Oct-17	RNI	Carbondale		10:15	RNI-1	14	FALSE	FALSE	0	13	7.6
11-Oct-17	RNI	Carbondale		10:30	RNI-2	13	FALSE	FALSE	0	12	7.6
03-Oct-17	RAZP	Arcadia		13:30	RAZP-1	34	FALSE	FALSE	0	3	21
03-Oct-17	RAZP	Arcadia		13:45	RAZP-2	33	FALSE	FALSE	0	3	11
03-Oct-17	RAZP	Arcadia		14:00	RAZP-3	32	FALSE	FALSE	0	3	10
17-Oct-17	RGW	Third		11:10	RGW-1	59	FALSE	FALSE	-1	12	65
17-Oct-17	RGW	Third		11:20	RGW-2	53	FALSE	FALSE	-1	12	23
17-Oct-17	RGW	Third		11:30	RGW-3	50	FALSE	FALSE	-1	12	19
14-Oct-17	SNA	Chautauqua		15:05	SNA-1	36	FALSE	FALSE	0	12	18
14-Oct-17	SNA	Chautauqua		14:55	SNA-2	25	FALSE	FALSE	0	12	18
14-Oct-17	SNA	Chautauqua		14:45	SNA-3	8	TRUE	FALSE	0	12	1
13-Oct-17	RNZG	Spring Arbor		11:10	RNZG-1	54	FALSE	FALSE	0	17	36.5
13-Oct-17	RNZG	Spring Arbor		10:05	RNZG-2	53	FALSE	FALSE	0	17	24.5
13-Oct-17	RNZG	Spring Arbor		11:20	RNZG-3	53	FALSE	FALSE	0	17	21.5
13-Oct-17	RNZG	Spring Arbor		15:00	RNZG-4	50	FALSE	FALSE	0	17	6
07-Sep-17	RNZO	New Thompson	adding more grass carp	11:00	RNZO-1	58	FALSE	FALSE	0	8	18
07-Sep-17	RNZO	New Thompson	adding more grass carp	11:07	RNZO-2	54	FALSE	FALSE	0	7	9
07-Sep-17	RNZO	New Thompson	adding more grass carp	11:20	RNZO-3	65	FALSE	FALSE	0	4	7
03-Oct-17	RNZI	Miller		07:18	RNZI-1	24	FALSE	FALSE	0	12	21
03-Oct-17	RNZI	Miller		07:35	RNZI-2	22	FALSE	FALSE	0	12	10
03-Oct-17	RNZI	Miller		07:45	RNZI-3	16	FALSE	FALSE	0	12	5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
17-Oct-17	RNZI	Miller	Less Than 5%	6.00	0.56	Partly Cloudy	Calm/Ripple	NONE	Below Normal	13
17-Oct-17	RNZI	Miller	Less Than 5%	6.00	0.56	Partly Cloudy	Calm/Ripple	NONE	Below Normal	13
17-Oct-17	RNZI	Miller	Less Than 5%	6.00	0.56	Partly Cloudy	Calm/Ripple	NONE	Below Normal	13
20-Oct-17	RDI	Jacksonville	Less Than 5%	3.00		Sunny	Small Waves	SW	Below Normal	18
20-Oct-17	RDI	Jacksonville	Less Than 5%	3.00		Sunny	Small Waves	SW	Below Normal	18
20-Oct-17	RDI	Jacksonville	Less Than 5%	3.00		Sunny	Small Waves	SW	Below Normal	18
20-Oct-17	SDL	Mauvaise Terre	Less Than 5%	2.00		Sunny	Small Waves	SW	Below Normal	5
20-Oct-17	SDL	Mauvaise Terre	Less Than 5%	2.00		Sunny	Small Waves	SW	Below Normal	5
20-Oct-17	SDL	Mauvaise Terre	Less Than 5%	2.00		Sunny	Small Waves	SW	Below Normal	5
29-Oct-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	20
29-Oct-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	20
29-Oct-17	SNA	Chautauqua	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	S	Below Normal	20
03-Nov-17	REE	Dawson	Less Than 5%	2.00	0.1	Sunny	Small Waves	N	Below Normal	12
03-Nov-17	REE	Dawson	Less Than 5%	2.00	0.1	Sunny	Small Waves	N	Below Normal	12
03-Nov-17	REE	Dawson	Less Than 5%	2.00	0.1	Sunny	Small Waves	N	Below Normal	12
29-Oct-17	RGZG	Forest	Less Than 5%	2.00	0	Overcast	Small Waves	NW	No Selection	0
29-Oct-17	RGZG	Forest	Less Than 5%	2.00	0	Overcast	Small Waves	NW	No Selection	0
29-Oct-17	RGZG	Forest	Less Than 5%	2.00	0	Overcast	Small Waves	NW	No Selection	0
29-Oct-17	RGZG	Forest	Less Than 5%	2.00	0	Overcast	Small Waves	NW	No Selection	0
22-Oct-17	RTJ	Long		7.50	0	Overcast	Small Waves	W	Above Normal	4
22-Oct-17	RTJ	Long		7.50	0	Overcast	Small Waves	W	Above Normal	4
22-Oct-17	RTJ	Long		7.50	0	Overcast	Small Waves	W	Above Normal	4
26-Oct-17	RGQ	Countryside	51% To 70%	3.00	1.5	Partly Cloudy	Moderate Waves	E	Normal or Full	0
26-Oct-17	RGQ	Countryside	51% To 70%	3.00	1.5	Partly Cloudy	Moderate Waves	E	Normal or Full	0
26-Oct-17	RGQ	Countryside	51% To 70%	3.00	1.5	Partly Cloudy	Moderate Waves	E	Normal or Full	0
01-Nov-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
01-Nov-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
01-Nov-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
30-Sep-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	0.2
30-Sep-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	0.2
30-Sep-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	E	Below Normal	0.2
18-Sep-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
18-Sep-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
17-Oct-17	RNZI	Miller		
17-Oct-17	RNZI	Miller		
17-Oct-17	RNZI	Miller		
20-Oct-17	RDI	Jacksonville		
20-Oct-17	RDI	Jacksonville		
20-Oct-17	RDI	Jacksonville		
20-Oct-17	SDL	Mauvaise Terre		
20-Oct-17	SDL	Mauvaise Terre		
20-Oct-17	SDL	Mauvaise Terre		
29-Oct-17	SNA	Chautauqua		
29-Oct-17	SNA	Chautauqua		
29-Oct-17	SNA	Chautauqua		
03-Nov-17	REE	Dawson		
03-Nov-17	REE	Dawson		
03-Nov-17	REE	Dawson		
29-Oct-17	RGZG	Forest		
29-Oct-17	RGZG	Forest		
29-Oct-17	RGZG	Forest		
29-Oct-17	RGZG	Forest		
22-Oct-17	RTJ	Long		Long Lake tested positive for microcystin toxin related to blue-green algae through October 2017
22-Oct-17	RTJ	Long		Long Lake tested positive for microcystin toxin related to blue-green algae through October 2017
22-Oct-17	RTJ	Long		Long Lake tested positive for microcystin toxin related to blue-green algae through October 2017
26-Oct-17	RGQ	Countryside		
26-Oct-17	RGQ	Countryside		
26-Oct-17	RGQ	Countryside		
01-Nov-17	RGQ	Countryside		Algae blooms have mostly subsided
01-Nov-17	RGQ	Countryside		Algae blooms have mostly subsided
01-Nov-17	RGQ	Countryside		Algae blooms have mostly subsided
30-Sep-17	RGQ	Countryside		Algae blooms are still prevalent
30-Sep-17	RGQ	Countryside		Algae blooms are still prevalent
30-Sep-17	RGQ	Countryside		Algae blooms are still prevalent
18-Sep-17	RGQ	Countryside		Large blooms of thick yellow/green algae
18-Sep-17	RGQ	Countryside		Large blooms of thick yellow/green algae

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
17-Oct-17	RNZI	Miller		07:11	RNZI-1	26	FALSE	FALSE	0	12	21
17-Oct-17	RNZI	Miller		07:29	RNZI-2	26	FALSE	FALSE	0	12	11
17-Oct-17	RNZI	Miller		07:38	RNZI-3	15	FALSE	FALSE	0	12	7
20-Oct-17	RDI	Jacksonville		9:32	RDI-1	34	FALSE	FALSE	0	12	32
20-Oct-17	RDI	Jacksonville		9:56	RDI-2	29	FALSE	FALSE	0	12	17
20-Oct-17	RDI	Jacksonville		10:10	RDI-3	19	FALSE	FALSE	0	12	7
20-Oct-17	SDL	Mauvaise Terre		10:52	SDL-1	16	FALSE	FALSE	0	14	7.5
20-Oct-17	SDL	Mauvaise Terre		11:05	SDL-2	16	FALSE	FALSE	0	14	11.5
20-Oct-17	SDL	Mauvaise Terre		11:15	SDL-3	16	FALSE	FALSE	0	14	10
29-Oct-17	SNA	Chautauqua		14:20	SNA-1	34	FALSE	FALSE	0	12	17
29-Oct-17	SNA	Chautauqua		14:10	SNA-2	34	FALSE	FALSE	0	12	15
29-Oct-17	SNA	Chautauqua		14:00	SNA-3	6	TRUE	FALSE	0	12	0.5
03-Nov-17	REE	Dawson		11:12	REE-1	28	FALSE	FALSE	0	12	23.5
03-Nov-17	REE	Dawson		11:03	REE-2	29	FALSE	FALSE	0	12	12
03-Nov-17	REE	Dawson		10:55	REE-3	30	FALSE	FALSE	0	12	23.5
29-Oct-17	RGZG	Forest		10:30	RGZG-1	31	FALSE	FALSE	0	12	8
29-Oct-17	RGZG	Forest		10:40	RGZG-2	38	FALSE	FALSE	0	12	7
29-Oct-17	RGZG	Forest		10:45	RGZG-3	38	FALSE	FALSE	0	12	5
29-Oct-17	RGZG	Forest		10:55	RGZG-4	62	FALSE	FALSE	0	12	10
22-Oct-17	RTJ	Long		10:00	RTJ-1	40	FALSE	FALSE	0	13	25
22-Oct-17	RTJ	Long		10:10	RTJ-2	37	FALSE	FALSE	0	13	26
22-Oct-17	RTJ	Long		09:15	RTJ-3	31	FALSE	FALSE	0	13	18
26-Oct-17	RGQ	Countryside		15:30	RGQ-1	96	TRUE	FALSE	3	3	8
26-Oct-17	RGQ	Countryside		15:45	RGQ-2	102	TRUE	FALSE	3	3	8.5
26-Oct-17	RGQ	Countryside		15:55	RGQ-3	102	TRUE	FALSE	3	2	8.5
01-Nov-17	RGQ	Countryside		16:15	RGQ-1	96	TRUE	FALSE	3	3	8
01-Nov-17	RGQ	Countryside		16:25	RGQ-2	108	TRUE	FALSE	4	9	9
01-Nov-17	RGQ	Countryside		16:35	RGQ-3	102	TRUE	FALSE	4	2	8.5
30-Sep-17	RGQ	Countryside		18:15	RGQ-1	90	TRUE	FALSE	3	3	7.5
30-Sep-17	RGQ	Countryside		18:25	RGQ-2	96	TRUE	FALSE	3	3	8
30-Sep-17	RGQ	Countryside		18:40	RGQ-3	96	TRUE	FALSE	3	2	8
18-Sep-17	RGQ	Countryside		17:25	RGQ-1	60	FALSE	FALSE	3	17	8
18-Sep-17	RGQ	Countryside		17:35	RGQ-2	62	FALSE	FALSE	2	17	8.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
18-Sep-17	RGQ	Countryside	51% To 70%	3.00	0	Partly Cloudy	Calm/Ripple	SE	Normal or Full	0
27-Oct-17	STC	Little Silver		1.00	0	Overcast	Small Waves	NW	Below Normal	6
27-Oct-17	STC	Little Silver		1.00	0	Overcast	Small Waves	NW	Below Normal	6
27-Oct-17	STC	Little Silver		1.00	0	Overcast	Small Waves	NW	Below Normal	6
14-Oct-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	SW	Below Normal	12
14-Oct-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	SW	Below Normal	12
14-Oct-17	STC	Little Silver		1.00	0.5	Partly Cloudy	Small Waves	SW	Below Normal	12
07-Sep-17	WDL	Thompson		1.00	0	Sunny	Calm/Ripple	N	Below Normal	6
07-Sep-17	WDL	Thompson		1.00	0	Sunny	Calm/Ripple	N	Below Normal	6
07-Sep-17	WDL	Thompson		1.00	0	Sunny	Calm/Ripple	N	Below Normal	6
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
19-Oct-17	RNE	Cedar		#VALUE!	0	Sunny	Calm/Ripple	0	Below Normal	12
16-Oct-17	RPI	Summerset		1.00		Sunny	Moderate Waves	W	Above Normal	1
16-Oct-17	RPI	Summerset		1.00		Sunny	Moderate Waves	W	Above Normal	1
16-Oct-17	RPI	Summerset		1.00		Sunny	Moderate Waves	W	Above Normal	1
25-Oct-17	RMM	Galena		#VALUE!	0.23	Sunny	Calm/Ripple	0	Above Normal	0.25
25-Oct-17	RMM	Galena		#VALUE!	0.23	Sunny	Calm/Ripple	0	Above Normal	0.25
25-Oct-17	RMM	Galena		#VALUE!	0.23	Sunny	Calm/Ripple	0	Above Normal	0.25
30-Oct-17	UDH	Sunset	Less Than 5%	#VALUE!		Overcast	Calm/Ripple	West	Below Normal	8
30-Oct-17	UDH	Sunset	Less Than 5%	#VALUE!		Overcast	Calm/Ripple	West	Below Normal	8
30-Oct-17	UDH	Sunset	Less Than 5%	#VALUE!		Overcast	Calm/Ripple	West	Below Normal	8
03-Nov-17	RJZB	Thunderbird		4.00	0	Sunny	Small Waves	West	Below Normal	1
03-Nov-17	RJZB	Thunderbird		4.00	0	Sunny	Small Waves	West	Below Normal	1
03-Nov-17	RJZB	Thunderbird		4.00	0	Sunny	Small Waves	West	Below Normal	1
12-Oct-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Overcast	Small Waves	SE	Below Normal	3.5
12-Oct-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Overcast	Small Waves	SE	Below Normal	3.5
12-Oct-17	SDL	Mauvaise Terre	Less Than 5%	3.00		Overcast	Small Waves	SE	Below Normal	3.5
12-Oct-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Calm/Ripple	SW	Below Normal	18

Sample Date	Lake Code	Waterbody	Observations	Other Information
18-Sep-17	RGQ	Countryside		Large blooms of thick yellow/green algae
27-Oct-17	STC	Little Silver	No	No Chara
27-Oct-17	STC	Little Silver	No	No Chara
27-Oct-17	STC	Little Silver	No	No Chara
14-Oct-17	STC	Little Silver		Chara
14-Oct-17	STC	Little Silver		Chara
14-Oct-17	STC	Little Silver		Chara
07-Sep-17	WDL	Thompson	No Rain	Algae continues to be a problem
07-Sep-17	WDL	Thompson	No Rain	Algae continues to be a problem
07-Sep-17	WDL	Thompson	No Rain	Algae continues to be a problem
19-Oct-17	RNE	Cedar		
19-Oct-17	RNE	Cedar		
19-Oct-17	RNE	Cedar		
19-Oct-17	RNE	Cedar		
19-Oct-17	RNE	Cedar		
19-Oct-17	RNE	Cedar		
19-Oct-17	RNE	Cedar		
16-Oct-17	RPI	Summerset		
16-Oct-17	RPI	Summerset		
16-Oct-17	RPI	Summerset		
25-Oct-17	RMM	Galena	Unusually warm-no freeze yet	
25-Oct-17	RMM	Galena	Unusually warm-no freeze yet	
25-Oct-17	RMM	Galena	Unusually warm-no freeze yet	
30-Oct-17	UDH	Sunset		
30-Oct-17	UDH	Sunset		
30-Oct-17	UDH	Sunset		
03-Nov-17	RJZB	Thunderbird		
03-Nov-17	RJZB	Thunderbird		
03-Nov-17	RJZB	Thunderbird		
12-Oct-17	SDL	Mauvaise Terre		
12-Oct-17	SDL	Mauvaise Terre		
12-Oct-17	SDL	Mauvaise Terre		
12-Oct-17	RDI	Jacksonville		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
18-Sep-17	RGQ	Countryside		17:45	RGQ-3	60	FALSE	FALSE	3	17	8
27-Oct-17	STC	Little Silver	No	12:45	STC-1	120	FALSE	FALSE	0	13	20
27-Oct-17	STC	Little Silver	No	13:00	STC-2	114	FALSE	FALSE	0	13	16.5
27-Oct-17	STC	Little Silver	No	13:15	STC-3	48	FALSE	TRUE	2	13	4.5
14-Oct-17	STC	Little Silver		13:05	STC-1	78	FALSE	FALSE	0	13	19
14-Oct-17	STC	Little Silver		13:20	STC-2	84	FALSE	FALSE	0	13	17
14-Oct-17	STC	Little Silver		13:35	STC-3	54	FALSE	TRUE	2	13	5.5
07-Sep-17	WDL	Thompson	Addding more Grass Carp	11:00	WDL-1		FALSE	FALSE			
07-Sep-17	WDL	Thompson	Addding more Grass Carp	11:07	WDL-1		FALSE	FALSE			
07-Sep-17	WDL	Thompson	Addding more Grass Carp	11:20	WDL-1		FALSE	FALSE			
19-Oct-17	RNE	Cedar		13:54	RNE-1		FALSE	FALSE	0	12	40
19-Oct-17	RNE	Cedar		14:16	RNE-2		FALSE	FALSE	0	12	32
19-Oct-17	RNE	Cedar		14:35	RNE-3		FALSE	FALSE	0	12	17
19-Oct-17	RNE	Cedar		15:10	RNE-4		FALSE	FALSE	0	12	15
19-Oct-17	RNE	Cedar		15:41	RNE-5		FALSE	FALSE	0	12	34
19-Oct-17	RNE	Cedar		16:00	RNE-7		FALSE	FALSE	0	12	10
19-Oct-17	RNE	Cedar		16:20	RNE-9		FALSE	FALSE	0	12	10
16-Oct-17	RPI	Summerset		14:55	RPI-1	36	FALSE	FALSE	0	14	32
16-Oct-17	RPI	Summerset		14:15	RPI-2	36	FALSE	FALSE	0	14	22
16-Oct-17	RPI	Summerset		13:40	RPI-3	28	FALSE	FALSE	0	14	12
25-Oct-17	RMM	Galena		15:50	RMM-1	34	FALSE	FALSE	0	17	39
25-Oct-17	RMM	Galena		14:25	RMM-2	38	FALSE	FALSE	0	17	24
25-Oct-17	RMM	Galena		14:50	RMM-3	30	FALSE	FALSE	0	17	6
30-Oct-17	UDH	Sunset		9:15	UDH-1	42	FALSE	FALSE	0	12	30
30-Oct-17	UDH	Sunset		9:00	UDH-2	40	FALSE	FALSE	0	12	15
30-Oct-17	UDH	Sunset		9:30	UDH-3	36	FALSE	FALSE	0	12	11
03-Nov-17	RJZB	Thunderbird		1:30	RJZB-1	70	FALSE	FALSE	0	20	33
03-Nov-17	RJZB	Thunderbird		1:40		68	FALSE	FALSE	0	20	38
03-Nov-17	RJZB	Thunderbird		1:50		58	FALSE	FALSE	0	2	11
12-Oct-17	SDL	Mauvaise Terre		10:10	SDL-1	14	FALSE	FALSE	0	14	8
12-Oct-17	SDL	Mauvaise Terre		10:21	SDL-2	17	FALSE	FALSE	0	14	11
12-Oct-17	SDL	Mauvaise Terre		10:30	SDL-3	16	FALSE	FALSE	0	14	10
12-Oct-17	RDI	Jacksonville		8:45	RDI-1	36	FALSE	FALSE	0	12	32

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
12-Oct-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Calm/Ripple	SW	Below Normal	18
12-Oct-17	RDI	Jacksonville	Less Than 5%	3.00		Overcast	Calm/Ripple	SW	Below Normal	18
05-Oct-17	RMM	Galena		3.00	0.91	Sunny	Calm/Ripple	SW	Above Normal	0.4
05-Oct-17	RMM	Galena		3.00	0.91	Sunny	Calm/Ripple	SW	Above Normal	0.4
05-Oct-17	RMM	Galena		3.00	0.91	Sunny	Calm/Ripple	SW	Above Normal	0.4
15-Sep-17	RTZU	Honey		1.50	0	Sunny	Calm/Ripple	E	Below Normal	6
15-Sep-17	RTZU	Honey		1.50	0	Sunny	Calm/Ripple	E	Below Normal	6
15-Sep-17	RTZU	Honey		1.50	0	Sunny	Calm/Ripple	E	Below Normal	6
30-Sep-17	RTZU	Honey		1.50	0	Sunny	Small Waves	S	Below Normal	6
30-Sep-17	RTZU	Honey		1.50	0	Sunny	Small Waves	S	Below Normal	6
30-Sep-17	RTZU	Honey		1.50	0	Sunny	Small Waves	S	Below Normal	6
15-Oct-17	RTZU	Honey	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Oct-17	RTZU	Honey	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Oct-17	RTZU	Honey	Less Than 5%	2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
31-Oct-17	RGI	Gages	51% To 70%	1.00	0	Overcast	Calm/Ripple	N	Above Normal	6.5
31-Oct-17	RGI	Gages	51% To 70%	1.00	0	Overcast	Calm/Ripple	N	Above Normal	6.5
31-Oct-17	RGI	Gages	51% To 70%	1.00	0	Overcast	Calm/Ripple	N	Above Normal	6.5
30-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	0
30-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	0
30-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	0
24-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	1
24-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	1
24-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Below Normal	1
16-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
16-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0
16-Sep-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	S	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
12-Oct-17	RDI	Jacksonville		
12-Oct-17	RDI	Jacksonville		
05-Oct-17	RMM	Galena		
05-Oct-17	RMM	Galena		
05-Oct-17	RMM	Galena		
15-Sep-17	RTZU	Honey		
15-Sep-17	RTZU	Honey		
15-Sep-17	RTZU	Honey		
30-Sep-17	RTZU	Honey		
30-Sep-17	RTZU	Honey		
30-Sep-17	RTZU	Honey		
15-Oct-17	RTZU	Honey		
15-Oct-17	RTZU	Honey		
15-Oct-17	RTZU	Honey		
31-Oct-17	RGI	Gages		coontail water temp=46.1
31-Oct-17	RGI	Gages		coontail water temp=46.1
31-Oct-17	RGI	Gages		coontail water temp=46.1
30-Sep-17	RGI	Gages		coontail water temp=69.1F
30-Sep-17	RGI	Gages		coontail water temp=69.1F
30-Sep-17	RGI	Gages		coontail water temp=69.1F
24-Sep-17	RGI	Gages		coontail water temp=80.3F
24-Sep-17	RGI	Gages		coontail water temp=80.3F
24-Sep-17	RGI	Gages		coontail water temp=80.3F
16-Sep-17	RGI	Gages		coontail water temp=72.2F
16-Sep-17	RGI	Gages		coontail water temp=72.2F
16-Sep-17	RGI	Gages		coontail water temp=72.2F

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
12-Oct-17	RDI	Jacksonville		9:03	RDI-2	22	FALSE	FALSE	0	12	20
12-Oct-17	RDI	Jacksonville		9:15	RDI-3	18	FALSE	FALSE	0	12	8
05-Oct-17	RMM	Galena		10:35	RMM-1	28	FALSE	FALSE	0	12	37
05-Oct-17	RMM	Galena		11:05	RMM-2	24	FALSE	FALSE	0	12	25
05-Oct-17	RMM	Galena		11:30	RMM-3	18	FALSE	FALSE	1	12	5
15-Sep-17	RTZU	Honey		14:38	RTZU-1	60	FALSE	FALSE	0	13	18
15-Sep-17	RTZU	Honey		14:51	RTZU-2	56	FALSE	FALSE	0	13	18
15-Sep-17	RTZU	Honey		15:14	RTZU-3	52	FALSE	FALSE	0	13	18
30-Sep-17	RTZU	Honey		12:40	RTZU-1	66	FALSE	FALSE	0	13	18
30-Sep-17	RTZU	Honey		12:55	RTZU-2	68	FALSE	FALSE	0	13	18
30-Sep-17	RTZU	Honey		13:10	RTZU-3	70	FALSE	FALSE	0	13	18
15-Oct-17	RTZU	Honey		14:07	RTZU-1	60	FALSE	FALSE	0	13	20
15-Oct-17	RTZU	Honey		14:25	RTZU-2	59	FALSE	FALSE	0	13	19
15-Oct-17	RTZU	Honey		14:51	RTZU-3	60	FALSE	FALSE	0	13	19
31-Oct-17	RGI	Gages		12:45	RGI-1	200	FALSE	FALSE	0	8	50
31-Oct-17	RGI	Gages		12:30	RGI-2	84	TRUE	FALSE	3	8	7
31-Oct-17	RGI	Gages		12:15	RGI-3	228	TRUE	FALSE	0	8	19
30-Sep-17	RGI	Gages		11:45	RGI-1	118	FALSE	FALSE	0	8	50
30-Sep-17	RGI	Gages		11:15	RGI-2	84	TRUE	FALSE	3	8	7
30-Sep-17	RGI	Gages		11:00	RGI-3	116	FALSE	FALSE	0	8	16
24-Sep-17	RGI	Gages		15:15	RGI-1	102	FALSE	FALSE	0	8	47
24-Sep-17	RGI	Gages		15:00	RGI-2	78	TRUE	FALSE	3	8	6.5
24-Sep-17	RGI	Gages		14:45	RGI-3	102	FALSE	FALSE	0	8	17
16-Sep-17	RGI	Gages		10:15	RGI-1	82	FALSE	FALSE	0	8	54
16-Sep-17	RGI	Gages		10:00	RGI-2	73	FALSE	FALSE	3	8	7
16-Sep-17	RGI	Gages		09:45	RGI-3	93	FALSE	FALSE	0	8	17

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
13-Jun-17	RGI	Gages	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	E	Above Normal	2
13-Jun-17	RGI	Gages	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	E	Above Normal	2
13-Jun-17	RGI	Gages	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	E	Above Normal	2
03-Jun-17	RGI	Gages	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	E	Above Normal	3.5
03-Jun-17	RGI	Gages	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	E	Above Normal	3.5
03-Jun-17	RGI	Gages	51% To 70%	1.00	0	Partly Cloudy	Calm/Ripple	E	Above Normal	3.5
05-Aug-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	W	Above Normal	5
05-Aug-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	W	Above Normal	5
05-Aug-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	W	Above Normal	5
26-Aug-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Above Normal	1.5
26-Aug-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Above Normal	1.5
26-Aug-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	E	Above Normal	1.5
15-Jul-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	SW	Above Normal	24
15-Jul-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	SW	Above Normal	24
15-Jul-17	RGI	Gages	51% To 70%	1.00	0	Sunny	Calm/Ripple	SW	Above Normal	24

Sample Date	Lake Code	Waterbody	Observations	Other Information
13-Jun-17	RGI	Gages		Coontail Water Temp=81.5F
13-Jun-17	RGI	Gages		Coontail Water Temp=81.5F
13-Jun-17	RGI	Gages		Coontail Water Temp=81.5F
03-Jun-17	RGI	Gages		Coontail Water temp=73.7 sprayed for weeds wednesday before memorial day
03-Jun-17	RGI	Gages		Coontail Water temp=73.7 sprayed for weeds wednesday before memorial day
03-Jun-17	RGI	Gages		Coontail Water temp=73.7 sprayed for weeds wednesday before memorial day
05-Aug-17	RGI	Gages		coontail water temp=74.0F
05-Aug-17	RGI	Gages		coontail water temp=74.0F
05-Aug-17	RGI	Gages		coontail water temp=74.0F
26-Aug-17	RGI	Gages		Coontail Water Temp= 73.0F
26-Aug-17	RGI	Gages		Coontail Water Temp= 73.0F
26-Aug-17	RGI	Gages		Coontail Water Temp= 73.0F
15-Jul-17	RGI	Gages	worst flood in 50+ years on 7/13/2017	Coontail Water temp=76.1F One neighbor has lived on lake for 51 years and never saw lake this high.
15-Jul-17	RGI	Gages	worst flood in 50+ years on 7/13/2017	Coontail Water temp=76.1F One neighbor has lived on lake for 51 years and never saw lake this high.
15-Jul-17	RGI	Gages	worst flood in 50+ years on 7/13/2017	Coontail Water temp=76.1F One neighbor has lived on lake for 51 years and never saw lake this high.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
13-Jun-17	RGI	Gages		16:45	RGI-1	157	FALSE	FALSE	0	8	53.5
13-Jun-17	RGI	Gages		16:15	RGI-2	87	TRUE	FALSE	3	8	7.5
13-Jun-17	RGI	Gages		16:00	RGI-3	149	FALSE	FALSE	0	8	17
03-Jun-17	RGI	Gages		14:00	RGI-1	254	FALSE	FALSE	0	8	54
03-Jun-17	RGI	Gages		14:15	RGI-2	84	TRUE	FALSE	3	8	7
03-Jun-17	RGI	Gages		14:30	RGI-3	194	FALSE	FALSE	0	8	19
05-Aug-17	RGI	Gages		09:45	RGI-1	63	FALSE	FALSE	0	8	49.5
05-Aug-17	RGI	Gages		09:30	RGI-2	61	FALSE	TRUE	3	8	7
05-Aug-17	RGI	Gages		09:15	RGI-3	62	FALSE	FALSE	0	8	17
26-Aug-17	RGI	Gages		15:30	RGI-1	79	FALSE	FALSE	0	8	54
26-Aug-17	RGI	Gages		15:15	RGI-2	57	FALSE	TRUE	3	8	7
26-Aug-17	RGI	Gages		15:00	RGI-3	81	FALSE	FALSE	0	8	16.5
15-Jul-17	RGI	Gages		10:15	RGI-1	61	FALSE	FALSE	0	8	50
15-Jul-17	RGI	Gages		10:00	RGI-2	63	FALSE	FALSE	3	8	8
15-Jul-17	RGI	Gages		09:45	RGI-3	65	FALSE	FALSE	0	8	17

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
11-Aug-17	RTS	Zurich	No Selection	0.50	0.5	Partly Cloudy	Moderate Waves	NW	Above Normal	2
11-Aug-17	RTS	Zurich	No Selection	0.50	0.5	Partly Cloudy	Moderate Waves	NW	Above Normal	2
11-Aug-17	RTS	Zurich	No Selection	0.50	0.5	Partly Cloudy	Moderate Waves	NW	Above Normal	2
30-Aug-17	RTS	Zurich	No Selection	0.50	1	Partly Cloudy	Calm/Ripple	NW	Above Normal	3
30-Aug-17	RTS	Zurich	No Selection	0.50	1	Partly Cloudy	Calm/Ripple	NW	Above Normal	3
30-Aug-17	RTS	Zurich	No Selection	0.50	1	Partly Cloudy	Calm/Ripple	NW	Above Normal	3
08-Sep-17	RTS	Zurich	No Selection	0.50	0	Sunny	Moderate Waves	N	Normal or Full	0
08-Sep-17	RTS	Zurich	No Selection	0.50	0	Sunny	Moderate Waves	N	Normal or Full	0
08-Sep-17	RTS	Zurich	No Selection	0.50	0	Sunny	Moderate Waves	N	Normal or Full	0
18-Jul-17	RTS	Zurich	No Selection	0.50	0	Sunny	Calm/Ripple	NW	Above Normal	0
18-Jul-17	RTS	Zurich	No Selection	0.50	0	Sunny	Calm/Ripple	NW	Above Normal	0
18-Jul-17	RTS	Zurich	No Selection	0.50	0	Sunny	Calm/Ripple	NW	Above Normal	0
11-Jul-17	RTS	Zurich	No Selection	0.50	0	Hazy	Calm/Ripple	SE	Above Normal	0
11-Jul-17	RTS	Zurich	No Selection	0.50	0	Hazy	Calm/Ripple	SE	Above Normal	0
11-Jul-17	RTS	Zurich	No Selection	0.50	0	Hazy	Calm/Ripple	SE	Above Normal	0
24-Sep-17	RTS	Zurich	No Selection	#VALUE!	0	Sunny	Moderate Waves	S	Above Normal	0
24-Sep-17	RTS	Zurich	No Selection	#VALUE!	0	Sunny	Moderate Waves	S	Above Normal	0
24-Sep-17	RTS	Zurich	No Selection	#VALUE!	0	Sunny	Moderate Waves	S	Above Normal	0
05-Oct-17	RTS	Zurich	No Selection	0.50	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	2
05-Oct-17	RTS	Zurich	No Selection	0.50	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	2
05-Oct-17	RTS	Zurich	No Selection	0.50	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	2
22-Oct-17	RTZB	West Loon		7.50	0	Overcast	Small Waves	W	Above Normal	4
22-Oct-17	RTZB	West Loon		7.50	0	Overcast	Small Waves	W	Above Normal	4
22-Oct-17	RTZB	West Loon		7.50	0	Overcast	Small Waves	W	Above Normal	4
23-Aug-17	RPK	Black Oak		0.50	0	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
23-Aug-17	RPK	Black Oak		0.50	0	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
23-Aug-17	RPK	Black Oak		0.50	0	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
10-Oct-17	RPK	Black Oak		0.50	0	Overcast	Calm/Ripple	NE	Below Normal	
10-Oct-17	RPK	Black Oak		0.50	0	Overcast	Calm/Ripple	NE	Below Normal	
10-Oct-17	RPK	Black Oak		0.50	0	Overcast	Calm/Ripple	NE	Below Normal	

Sample Date	Lake Code	Waterbody	Observations	Other Information
11-Aug-17	RTS	Zurich		surface temp 76F
11-Aug-17	RTS	Zurich		surface temp 76F
11-Aug-17	RTS	Zurich		surface temp 76F
30-Aug-17	RTS	Zurich		surface temp = 73F
30-Aug-17	RTS	Zurich		surface temp = 73F
30-Aug-17	RTS	Zurich		surface temp = 73F
08-Sep-17	RTS	Zurich		water tempt=77.2F
08-Sep-17	RTS	Zurich		water tempt=77.2F
08-Sep-17	RTS	Zurich		water tempt=77.2F
18-Jul-17	RTS	Zurich	week after large flood event	
18-Jul-17	RTS	Zurich	week after large flood event	
18-Jul-17	RTS	Zurich	week after large flood event	
11-Jul-17	RTS	Zurich		surface temp=80.2F
11-Jul-17	RTS	Zurich		surface temp=80.2F
11-Jul-17	RTS	Zurich		surface temp=80.2F
24-Sep-17	RTS	Zurich	record warm temps in 90's all week.	70 water temp.
24-Sep-17	RTS	Zurich	record warm temps in 90's all week.	70 water temp.
24-Sep-17	RTS	Zurich	record warm temps in 90's all week.	70 water temp.
05-Oct-17	RTS	Zurich		water temp=69.5F
05-Oct-17	RTS	Zurich		water temp=69.5F
05-Oct-17	RTS	Zurich		water temp=69.5F
22-Oct-17	RTZB	West Loon		
22-Oct-17	RTZB	West Loon		
22-Oct-17	RTZB	West Loon		
23-Aug-17	RPK	Black Oak		
23-Aug-17	RPK	Black Oak		
23-Aug-17	RPK	Black Oak		
10-Oct-17	RPK	Black Oak		
10-Oct-17	RPK	Black Oak		
10-Oct-17	RPK	Black Oak		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
11-Aug-17	RTS	Zurich		12:36	RTS-1	110	FALSE	FALSE	0	8	20
11-Aug-17	RTS	Zurich		12:30	RTS-2	117	FALSE	FALSE	0	2	23
11-Aug-17	RTS	Zurich		12:20	RTS-3	92	FALSE	FALSE	0	8	21
30-Aug-17	RTS	Zurich		13:32	RTS-1	102	FALSE	FALSE	0	2	20
30-Aug-17	RTS	Zurich		13:20	RTS-2	102	FALSE	FALSE	0	3	19
30-Aug-17	RTS	Zurich		13:11	RTS-3	92	FALSE	FALSE	0	2	23
08-Sep-17	RTS	Zurich		13:06	RTS-1	103	FALSE	FALSE	0	4	20
08-Sep-17	RTS	Zurich		13:00	RTS-2	106	FALSE	FALSE	0	4	25
08-Sep-17	RTS	Zurich		12:50	RTS-3	133	FALSE	FALSE	0	8	22
18-Jul-17	RTS	Zurich		16:00	RTS-1	136	FALSE	FALSE	0	8	23
18-Jul-17	RTS	Zurich		15:55	RTS-2	116	FALSE	FALSE	0	2	22
18-Jul-17	RTS	Zurich		15:48	RTS-3	125	FALSE	FALSE	0	4	20.1
11-Jul-17	RTS	Zurich		12:45	RTS-1	116	FALSE	FALSE	0	2	21.2
11-Jul-17	RTS	Zurich		12:39	RTS-2	109	FALSE	FALSE	0	2	18
11-Jul-17	RTS	Zurich		12:29	RTS-3	102	FALSE	FALSE	0	2	21
24-Sep-17	RTS	Zurich		11:51	RTS-1	124	FALSE	FALSE	0	3	25
24-Sep-17	RTS	Zurich		11:47	RTS-2	126	FALSE	FALSE	0	3	21
24-Sep-17	RTS	Zurich		11:42	RTS-3	137	FALSE	FALSE	0	2	19.5
05-Oct-17	RTS	Zurich		13:01	RTS-1	117	FALSE	FALSE	0	8	24
05-Oct-17	RTS	Zurich		12:56	RTS-2	102	FALSE	FALSE	0	8	20
05-Oct-17	RTS	Zurich		12:49	RTS-3	114	FALSE	FALSE	0	8	22.5
22-Oct-17	RTZB	West Loon		10:00	RTZB-1	40	FALSE	FALSE	0	13	25
22-Oct-17	RTZB	West Loon		10:10	RTZB-2	37	FALSE	FALSE	0	13	26
22-Oct-17	RTZB	West Loon		09:15	RTZB-3	31	FALSE	FALSE	0	13	18
23-Aug-17	RPK	Black Oak		13:08	RPK-1	27	FALSE	FALSE	1	3	7
23-Aug-17	RPK	Black Oak		13:05	RPK-2	23	FALSE	FALSE	0	3	7.5
23-Aug-17	RPK	Black Oak		12:58	RPK-3	25	FALSE	FALSE	1	3	7
10-Oct-17	RPK	Black Oak		10:39	RPK-1	26	FALSE	FALSE	0	12	7
10-Oct-17	RPK	Black Oak		10:44	RPK-2	28	FALSE	FALSE	0	12	7
10-Oct-17	RPK	Black Oak		10:52	RPK-3	23	FALSE	FALSE	0	12	6.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-Sep-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
22-Sep-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
22-Sep-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPK	Black Oak		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
15-Aug-17	RPK	Black Oak	Less Than 5%	0.50	0	Sunny	Small Waves	S	Normal or Full	0
15-Aug-17	RPK	Black Oak	Less Than 5%	0.50	0	Sunny	Small Waves	S	Normal or Full	0
15-Aug-17	RPK	Black Oak	Less Than 5%	0.50	0	Sunny	Small Waves	S	Normal or Full	0
23-Aug-17	RPL	Sunset		0.50	0	Partly Cloudy	Small Waves	N	Normal or Full	0
23-Aug-17	RPL	Sunset		0.50	0	Partly Cloudy	Small Waves	N	Normal or Full	0
23-Aug-17	RPL	Sunset		0.50	0	Partly Cloudy	Small Waves	N	Normal or Full	0
15-Sep-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	S	Below Normal	4
15-Sep-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	S	Below Normal	4
15-Sep-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	S	Below Normal	4
22-Sep-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	S	Below Normal	
22-Sep-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	S	Below Normal	
22-Sep-17	RPL	Sunset		0.50	0	Sunny	Calm/Ripple	S	Below Normal	
18-Oct-17	RPL	Sunset		0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPL	Sunset		0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPL	Sunset		0.50	0	Sunny	Small Waves	S	Normal or Full	0
14-Aug-17	RPM	Woodhaven	26% To 40%	1.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Aug-17	RPM	Woodhaven	26% To 40%	1.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Aug-17	RPM	Woodhaven	26% To 40%	1.00	0	Overcast	Calm/Ripple	S	Normal or Full	0
14-Sep-17	RPM	Woodhaven	26% To 40%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	3

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-Sep-17	RPK	Black Oak	Dry Period	Surface water temp-23.7 C
22-Sep-17	RPK	Black Oak	Dry Period	Surface water temp-23.7 C
22-Sep-17	RPK	Black Oak	Dry Period	Surface water temp-23.7 C
14-Sep-17	RPK	Black Oak	Cool/dry	
14-Sep-17	RPK	Black Oak	Cool/dry	
14-Sep-17	RPK	Black Oak	Cool/dry	
15-Aug-17	RPK	Black Oak	Heavy Rain last week, total precipitation 7-8 in	Surface water temp 53 F
15-Aug-17	RPK	Black Oak	Heavy Rain last week, total precipitation 7-8 in	Surface water temp 53 F
15-Aug-17	RPK	Black Oak	Heavy Rain last week, total precipitation 7-8 in	Surface water temp 53 F
23-Aug-17	RPL	Sunset	Dryer/Cooler period	some fil. Algae along shoreline at top of milfoil
23-Aug-17	RPL	Sunset	Dryer/Cooler period	some fil. Algae along shoreline at top of milfoil
23-Aug-17	RPL	Sunset	Dryer/Cooler period	some fil. Algae along shoreline at top of milfoil
15-Sep-17	RPL	Sunset	Cooler+Dry	Water temp 73 F
15-Sep-17	RPL	Sunset	Cooler+Dry	Water temp 73 F
15-Sep-17	RPL	Sunset	Cooler+Dry	Water temp 73 F
22-Sep-17	RPL	Sunset	Dry Conditions	Som filamentous Algae along shoreline. Most of vegetation along shoreline
22-Sep-17	RPL	Sunset	Dry Conditions	Som filamentous Algae along shoreline. Most of vegetation along shoreline
22-Sep-17	RPL	Sunset	Dry Conditions	Som filamentous Algae along shoreline. Most of vegetation along shoreline
18-Oct-17	RPL	Sunset	Heavy Rains last week, totaling 7-8 in	Approx 50-75 grease on lake. Flew off.
18-Oct-17	RPL	Sunset	Heavy Rains last week, totaling 7-8 in	Approx 50-75 grease on lake. Flew off.
18-Oct-17	RPL	Sunset	Heavy Rains last week, totaling 7-8 in	Approx 50-75 grease on lake. Flew off.
14-Aug-17	RPM	Woodhaven	Water clarity improved	
14-Aug-17	RPM	Woodhaven	Water clarity improved	
14-Aug-17	RPM	Woodhaven	Water clarity improved	
14-Sep-17	RPM	Woodhaven	Cool period, dry	Plankton treatment on 8/30 in approx 1/3 of lake north lobe near beach spillaway

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-Sep-17	RPK	Black Oak		9:00	RPK-1	23	FALSE	FALSE	0	3	7
22-Sep-17	RPK	Black Oak		9:16	RPK-2	19	FALSE	FALSE	0	3	7
22-Sep-17	RPK	Black Oak		9:19	RPK-3	18	FALSE	FALSE	0	3	7
14-Sep-17	RPK	Black Oak		12:36	RPK-1	19	FALSE	FALSE	0	12	7
14-Sep-17	RPK	Black Oak		12:41	RPK-2	18	FALSE	FALSE	0	12	7
14-Sep-17	RPK	Black Oak		12:44	RPK-3	18	FALSE	FALSE	0	12	7
15-Aug-17	RPK	Black Oak		11:28	RPK-1	36	FALSE	FALSE	0	12	7
15-Aug-17	RPK	Black Oak		11:32	RPK-2	39	FALSE	FALSE	0	12	7
15-Aug-17	RPK	Black Oak		11:35	RPK-3	37	FALSE	FALSE	0	12	7
23-Aug-17	RPL	Sunset		13:29	RPL-1	27	FALSE	FALSE	0	3	7.5
23-Aug-17	RPL	Sunset		13:34	RPL-2	26	FALSE	FALSE	0	3	7
23-Aug-17	RPL	Sunset		13:38	RPL-3	25	FALSE	FALSE	0	3	6.5
15-Sep-17	RPL	Sunset	Milfoil sp dominated along shorelines. Filamentous Algae on top of milfoil. Bluegreen Plankton scum Noted	13:38	RPL-1	23	FALSE	FALSE	0	8	7
15-Sep-17	RPL	Sunset	Milfoil sp dominated along shorelines. Filamentous Algae on top of milfoil. Bluegreen Plankton scum Noted	14:44	RPL-2	24	FALSE	FALSE	0	8	6.5
15-Sep-17	RPL	Sunset	Milfoil sp dominated along shorelines. Filamentous Algae on top of milfoil. Bluegreen Plankton scum Noted	14:48	RPL-3	22	FALSE	FALSE	0	8	6.5
22-Sep-17	RPL	Sunset		9:40	RPL-1	24	FALSE	FALSE	0	3	7
22-Sep-17	RPL	Sunset		9:48	RPL-2	24	FALSE	FALSE	0	3	7
22-Sep-17	RPL	Sunset		9:51	RPL-3	24	FALSE	FALSE	0	3	7
18-Oct-17	RPL	Sunset		12:46	RPL-1	52	FALSE	FALSE	0	12	7.5
18-Oct-17	RPL	Sunset		12:53	RPL-2	48	FALSE	FALSE	0	12	7
18-Oct-17	RPL	Sunset		12:57	RPL-3	44	FALSE	FALSE	0	12	7.5
14-Aug-17	RPM	Woodhaven	Spot treatment for rooted vegetation. 8/1 and 8/3. Mechanical harvesting on 7/25, 7/27, 7/28, 7/31	11:16	RPM-1	69	FALSE	FALSE	0	3	20.5
14-Aug-17	RPM	Woodhaven	Spot treatment for rooted vegetation. 8/1 and 8/3. Mechanical harvesting on 7/25, 7/27, 7/28, 7/31	11:30	RPM-2	73	FALSE	FALSE	0	3	10
14-Aug-17	RPM	Woodhaven	Spot treatment for rooted vegetation. 8/1 and 8/3. Mechanical harvesting on 7/25, 7/27, 7/28, 7/31	1:23	RPM-3	59	FALSE	FALSE	0	3	8.5
14-Sep-17	RPM	Woodhaven	4 geese noted at beach	10:18	RPM-1	58	FALSE	FALSE	0	3	23

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Sep-17	RPM	Woodhaven	26% To 40%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	3
14-Sep-17	RPM	Woodhaven	26% To 40%	1.00	0	Sunny	Calm/Ripple	S	Below Normal	3
20-Sep-17	RPM	Woodhaven		1.00	0	Sunny	Moderate Waves	S	Below Normal	2
20-Sep-17	RPM	Woodhaven		1.00	0	Sunny	Moderate Waves	S	Below Normal	2
20-Sep-17	RPM	Woodhaven		1.00	0	Sunny	Moderate Waves	S	Below Normal	2
10-Oct-17	RPM	Woodhaven		1.00	0	Overcast	Small Waves	NE	Below Normal	4
10-Oct-17	RPM	Woodhaven		1.00	0	Overcast	Small Waves	NE	Below Normal	4
10-Oct-17	RPM	Woodhaven		1.00	0	Overcast	Small Waves	NE	Below Normal	4
18-Oct-17	RPM	Woodhaven		0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPM	Woodhaven		0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPM	Woodhaven		0.50	0	Sunny	Small Waves	S	Normal or Full	0
23-Aug-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
23-Aug-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
23-Aug-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	2
22-Sep-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	3
22-Sep-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	3
22-Sep-17	RPZB	Pine		0.50	0	Sunny	Calm/Ripple	S	Below Normal	3
10-Oct-17	RPZB	Pine	Less Than 5%	0.50	0	Overcast	Small Waves	NE	Below Normal	6
10-Oct-17	RPZB	Pine	Less Than 5%	0.50	0	Overcast	Small Waves	NE	Below Normal	6
10-Oct-17	RPZB	Pine	Less Than 5%	0.50	0	Overcast	Small Waves	NE	Below Normal	6
14-Aug-17	RPJ	Bass		1.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
14-Aug-17	RPJ	Bass		1.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Sep-17	RPM	Woodhaven	Cool period, dry	Plankton treatment on 8/30 in approx 1/3 of lake north lobe near beach spillaway
14-Sep-17	RPM	Woodhaven	Cool period, dry	Plankton treatment on 8/30 in approx 1/3 of lake north lobe near beach spillaway
20-Sep-17	RPM	Woodhaven		
20-Sep-17	RPM	Woodhaven		
20-Sep-17	RPM	Woodhaven		
10-Oct-17	RPM	Woodhaven	Dry	
10-Oct-17	RPM	Woodhaven	Dry	
10-Oct-17	RPM	Woodhaven	Dry	
18-Oct-17	RPM	Woodhaven	Heavy Rains last week, totality in 7-8 in.	one lone goose on water
18-Oct-17	RPM	Woodhaven	Heavy Rains last week, totality in 7-8 in.	one lone goose on water
18-Oct-17	RPM	Woodhaven	Heavy Rains last week, totality in 7-8 in.	one lone goose on water
23-Aug-17	RPZB	Pine		some filamentous Algae on top of vegetation. Vegetation along shoreline.
23-Aug-17	RPZB	Pine		some filamentous Algae on top of vegetation. Vegetation along shoreline.
23-Aug-17	RPZB	Pine		some filamentous Algae on top of vegetation. Vegetation along shoreline.
14-Sep-17	RPZB	Pine	Cool period, Dry	Abundand weed along shoreline+black finger.
14-Sep-17	RPZB	Pine	Cool period, Dry	Abundand weed along shoreline+black finger.
14-Sep-17	RPZB	Pine	Cool period, Dry	Abundand weed along shoreline+black finger.
22-Sep-17	RPZB	Pine	Dry Period	Watermeal is abundant
22-Sep-17	RPZB	Pine	Dry Period	Watermeal is abundant
22-Sep-17	RPZB	Pine	Dry Period	Watermeal is abundant
10-Oct-17	RPZB	Pine	Warmer weather during ruiod 90 F	
10-Oct-17	RPZB	Pine	Warmer weather during ruiod 90 F	
10-Oct-17	RPZB	Pine	Warmer weather during ruiod 90 F	
14-Aug-17	RPJ	Bass		Algae collected along Dam and boat Launch. Sik #3 has excess sage pounded.
14-Aug-17	RPJ	Bass		Algae collected along Dam and boat Launch. Sik #3 has excess sage pounded.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Sep-17	RPM	Woodhaven	4 geese noted at beach	10:43	RPM-2	59	FALSE	FALSE	1	3	9
14-Sep-17	RPM	Woodhaven	4 geese noted at beach	10:37	RPM-3	57	FALSE	FALSE	0	3	8.5
20-Sep-17	RPM	Woodhaven	5 geese noted on shoreline see 23	13:25	RPM-1	51	FALSE	FALSE	0	8	25
20-Sep-17	RPM	Woodhaven	5 geese noted on shoreline see 23	13:55	RPM-2	53	FALSE	FALSE	1	8	11
20-Sep-17	RPM	Woodhaven	5 geese noted on shoreline see 23	13:51	RPM-3	48	FALSE	FALSE	0	8	9
10-Oct-17	RPM	Woodhaven		13:19	RPM-1	60	FALSE	FALSE	0	12	28
10-Oct-17	RPM	Woodhaven		13:42	RPM-2	62	FALSE	FALSE	2	12	7.5
10-Oct-17	RPM	Woodhaven		13:38	RPM-3	59	FALSE	FALSE	0	12	9
18-Oct-17	RPM	Woodhaven		13:34	RPM-1	76	FALSE	FALSE	0	12	27
18-Oct-17	RPM	Woodhaven		13:55	RPM-2	83	FALSE	FALSE	1	12	11
18-Oct-17	RPM	Woodhaven		13:49	RPM-3	77	FALSE	FALSE	0	12	8.5
23-Aug-17	RPZB	Pine		8:26	RPZB-1	43	FALSE	FALSE	0	13	12.5
23-Aug-17	RPZB	Pine		8:38	RPZB-2	47	FALSE	FALSE	0	13	8
23-Aug-17	RPZB	Pine		8:44	RPZB-3	45	FALSE	FALSE	2	13	8
14-Sep-17	RPZB	Pine	Mechanical Harvesting: 8/24, 8/25, 8/29, 8/30.	11:00	RPZB-1	64	FALSE	FALSE	0	12	16
14-Sep-17	RPZB	Pine	Mechanical Harvesting: 8/24, 8/25, 8/29, 8/30.	11:04	RPZB-2	63	FALSE	FALSE	0	12	10
14-Sep-17	RPZB	Pine	Mechanical Harvesting: 8/24, 8/25, 8/29, 8/30.	11:07	RPZB-3	65	FALSE	FALSE	1	12	8
22-Sep-17	RPZB	Pine	Total shoreline of main body on 9/14 using Reward + Cutrine Mix	10:10	RPZB-1	56	FALSE	FALSE	0	12	16
22-Sep-17	RPZB	Pine	Total shoreline of main body on 9/14 using Reward + Cutrine Mix	10:23	RPZB-2	57	FALSE	FALSE	0	12	9
22-Sep-17	RPZB	Pine	Total shoreline of main body on 9/14 using Reward + Cutrine Mix	10:27	RPZB-3	66	FALSE	FALSE	0	12	8
10-Oct-17	RPZB	Pine		9:10	RPZB-1	36	FALSE	FALSE	0	13	16
10-Oct-17	RPZB	Pine		9:23	RPZB-2	41	FALSE	FALSE	0	13	10.5
10-Oct-17	RPZB	Pine		9:34	RPZB-3	39	FALSE	FALSE	0	13	7
14-Aug-17	RPJ	Bass	Mechanical Harvesting 8/1, 8/2, 8/3, Spot treated on 7/27 and 8/2 at various sections of the lake.	13:09	RPJ-1	64	FALSE	FALSE	0	3	11.5
14-Aug-17	RPJ	Bass	Mechanical Harvesting 8/1, 8/2, 8/3, Spot treated on 7/27 and 8/2 at various sections of the lake.	13:18	RPJ-2	58	FALSE	FALSE	1	3	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
14-Aug-17	RPJ	Bass		1.00	0	Partly Cloudy	Calm/Ripple	S	Normal or Full	0
22-Aug-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Below Normal	2
22-Aug-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Below Normal	2
22-Aug-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Below Normal	2
20-Sep-17	RPJ	Bass		1.00	0	Sunny	Small Waves	S	Below Normal	3
20-Sep-17	RPJ	Bass		1.00	0	Sunny	Small Waves	S	Below Normal	3
20-Sep-17	RPJ	Bass		1.00	0	Sunny	Small Waves	S	Below Normal	3
27-Sep-17	RPJ	Bass		1.00	0	Sunny	Small Waves	N	Below Normal	3
27-Sep-17	RPJ	Bass		1.00	0	Sunny	Small Waves	N	Below Normal	3
27-Sep-17	RPJ	Bass		1.00	0	Sunny	Small Waves	N	Below Normal	3
10-Oct-17	RPJ	Bass		1.00	0	Overcast	Calm/Ripple	NE	Below Normal	4
10-Oct-17	RPJ	Bass		1.00	0	Overcast	Calm/Ripple	NE	Below Normal	4
10-Oct-17	RPJ	Bass		1.00	0	Overcast	Calm/Ripple	NE	Below Normal	4
18-Oct-17	RPJ	Bass		0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPJ	Bass		0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPJ	Bass		0.50	0	Sunny	Small Waves	S	Normal or Full	0
10-Aug-17	REF	Springfield		6.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	7.3
10-Aug-17	REF	Springfield		6.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	7.3
10-Aug-17	REF	Springfield		6.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	7.3
10-Aug-17	REF	Springfield		6.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	7.3
10-Aug-17	REF	Springfield		6.00	0	Partly Cloudy	Calm/Ripple	SW	Below Normal	7.3
20-Oct-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SW	Above Normal	6.75
20-Oct-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SW	Above Normal	6.75
20-Oct-17	RTZG	Duck		4.00	0	Sunny	Small Waves	SW	Above Normal	6.75

Sample Date	Lake Code	Waterbody	Observations	Other Information
14-Aug-17	RPJ	Bass		Algae collected along Dam and boat Launch. Sik #3 has excess sage pounded.
22-Aug-17	RPJ	Bass	Dry Conditions	Fil Algae present
22-Aug-17	RPJ	Bass	Dry Conditions	Fil Algae present
22-Aug-17	RPJ	Bass	Dry Conditions	Fil Algae present
20-Sep-17	RPJ	Bass	Clarity is fantastic for this time of year	
20-Sep-17	RPJ	Bass	Clarity is fantastic for this time of year	
20-Sep-17	RPJ	Bass	Clarity is fantastic for this time of year	
27-Sep-17	RPJ	Bass	Dry Conditions	High number of clams have been noted along the shorelines
27-Sep-17	RPJ	Bass	Dry Conditions	High number of clams have been noted along the shorelines
27-Sep-17	RPJ	Bass	Dry Conditions	High number of clams have been noted along the shorelines
10-Oct-17	RPJ	Bass	Dry	Fil Algae
10-Oct-17	RPJ	Bass	Dry	Fil Algae
10-Oct-17	RPJ	Bass	Dry	Fil Algae
18-Oct-17	RPJ	Bass	Heavy Rains last week total approx 7-8 in	Water surface temp 57 F surface temp site 3-52 F
18-Oct-17	RPJ	Bass	Heavy Rains last week total approx 7-8 in	Water surface temp 57 F surface temp site 3-52 F
18-Oct-17	RPJ	Bass	Heavy Rains last week total approx 7-8 in	Water surface temp 57 F surface temp site 3-52 F
10-Aug-17	REF	Springfield		
10-Aug-17	REF	Springfield		
10-Aug-17	REF	Springfield		
10-Aug-17	REF	Springfield		
10-Aug-17	REF	Springfield		
20-Oct-17	RTZG	Duck	Temps during day between 60's-70's. 10/11 - 2.1" rain, 10/15 - 2.7"	native plants growing next to shoreline in our S.W. lakefront subdivision: sago pondweed, coontail, spatterdock, white lily.
20-Oct-17	RTZG	Duck	Temps during day between 60's-70's. 10/11 - 2.1" rain, 10/15 - 2.7"	native plants growing next to shoreline in our S.W. lakefront subdivision: sago pondweed, coontail, spatterdock, white lily.
20-Oct-17	RTZG	Duck	Temps during day between 60's-70's. 10/11 - 2.1" rain, 10/15 - 2.7"	native plants growing next to shoreline in our S.W. lakefront subdivision: sago pondweed, coontail, spatterdock, white lily.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
14-Aug-17	RPJ	Bass	Mechanical Harvesting 8/1, 8/2, 8/3, Spot treated on 7/27 and 8/2 at various sections of the lake.	13:24	RPJ-3	42	FALSE	FALSE	4		3.5
22-Aug-17	RPJ	Bass	Harvesting on 9/13	13:07	RPJ-1	72	FALSE	FALSE	0	3	11.5
22-Aug-17	RPJ	Bass	Harvesting on 9/13	13:22	RPJ-2	59	FALSE	FALSE	1	3	6
22-Aug-17	RPJ	Bass	Harvesting on 9/13	13:27	RPJ-3	41	FALSE	FALSE	2		3.5
20-Sep-17	RPJ	Bass	Harvesting 9/15, 9/18, 9/19	10:44	RPJ-1	135	FALSE	FALSE	0	12	11.5
20-Sep-17	RPJ	Bass	Harvesting 9/15, 9/18, 9/19	11:16	RPJ-2	69	FALSE	FALSE	1	12	6
20-Sep-17	RPJ	Bass	Harvesting 9/15, 9/18, 9/19	11:27	RPJ-3	33	FALSE	FALSE	1		3.5
27-Sep-17	RPJ	Bass	Spot treated on 9/15 to 9/20. NE fingers, NW fingers, SE fingers. Harvesting on 9/20 9/21	12:00	RPJ-1	104	FALSE	FALSE	0	13	11.5
27-Sep-17	RPJ	Bass	Spot treated on 9/15 to 9/20. NE fingers, NW fingers, SE fingers. Harvesting on 9/20 9/21	12:11	RPJ-2	56	FALSE	FALSE	2	13	6
27-Sep-17	RPJ	Bass	Spot treated on 9/15 to 9/20. NE fingers, NW fingers, SE fingers. Harvesting on 9/20 9/21	12:21	RPJ-3	38	FALSE	FALSE	1		3
10-Oct-17	RPJ	Bass	9/27/2017 treated areas south end, SW finger along Dam.	11:09	RPJ-1	68	FALSE	FALSE	0	13	11
10-Oct-17	RPJ	Bass	9/27/2017 treated areas south end, SW finger along Dam.	11:23	RPJ-2	70	FALSE	FALSE	2		6
10-Oct-17	RPJ	Bass	9/27/2017 treated areas south end, SW finger along Dam.	11:27	RPJ-3	36	FALSE	FALSE	1		3
18-Oct-17	RPJ	Bass		10:43	RPJ-1	48	FALSE	FALSE	0	13	11.5
18-Oct-17	RPJ	Bass		10:54	RPJ-2	50	FALSE	FALSE	1	13	6.5
18-Oct-17	RPJ	Bass		10:59	RPJ-3	43	FALSE	FALSE	1	12	3.5
10-Aug-17	REF	Springfield		10:25	REF-1	17	FALSE	FALSE	0	3	22
10-Aug-17	REF	Springfield		10:50	REF-2	12	FALSE	FALSE	0	12	18
10-Aug-17	REF	Springfield		11:06	REF-3	12	FALSE	FALSE	0	13	10
10-Aug-17	REF	Springfield		11:16	REF-5	8	FALSE	FALSE	0	14	6
10-Aug-17	REF	Springfield		11:29	REF-6	8	FALSE	FALSE	0	14	7
20-Oct-17	RTZG	Duck	A beaver dam was remove dfrom Duck Lake's outlet dam on 10/21. Lake level began dropping to normal immediatly.	12:01	RTZG-1	26	FALSE	FALSE	0	11	9
20-Oct-17	RTZG	Duck	A beaver dam was remove dfrom Duck Lake's outlet dam on 10/21. Lake level began dropping to normal immediatly.	12:10	RTZG-2	25	FALSE	FALSE	0	13	7
20-Oct-17	RTZG	Duck	A beaver dam was remove dfrom Duck Lake's outlet dam on 10/21. Lake level began dropping to normal immediatly.	12:25	RTZG-3	24	FALSE	FALSE	0	11	5.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
18-May-17	RGZK	Potomac	No Selection	#VALUE!	0	Partly Cloudy	Small Waves	W	Normal or Full	0
18-May-17	RGZK	Potomac	No Selection	#VALUE!	0	Partly Cloudy	Small Waves	W	Normal or Full	0
18-May-17	RGZK	Potomac	No Selection	#VALUE!	0	Partly Cloudy	Small Waves	W	Normal or Full	0
27-Jul-17	RGZK	Potomac		2.00	3	Sunny	Small Waves	NE	Above Normal	8
27-Jul-17	RGZK	Potomac		2.00	3	Sunny	Small Waves	NE	Above Normal	8
27-Jul-17	RGZK	Potomac		2.00	3	Sunny	Small Waves	NE	Above Normal	8
15-Jun-17	RGZK	Potomac		2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	RGZK	Potomac		2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	RGZK	Potomac		2.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
18-May-17	WGS	Waterford	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NONE	Normal or Full	0
18-May-17	WGS	Waterford	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NONE	Normal or Full	0
18-May-17	WGS	Waterford	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NONE	Normal or Full	0
15-Jun-17	WGS	Waterford	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	WGS	Waterford	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	WGS	Waterford	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
27-Jul-17	WGS	Waterford	51% To 70%	4.00	3	Sunny	Small Waves	NE	Above Normal	12
27-Jul-17	WGS	Waterford	51% To 70%	4.00	3	Sunny	Small Waves	NE	Above Normal	12
27-Jul-17	WGS	Waterford	51% To 70%	4.00	3	Sunny	Small Waves	NE	Above Normal	12
18-May-17	RGC	Linden	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NONE	Normal or Full	0
18-May-17	RGC	Linden	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NONE	Normal or Full	0
18-May-17	RGC	Linden	Less Than 5%	2.00	0	Partly Cloudy	Small Waves	NONE	Normal or Full	0
15-Jun-17	RGC	Linden	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	RGC	Linden	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
15-Jun-17	RGC	Linden	Less Than 5%	4.00	0	Sunny	Calm/Ripple	SW	Normal or Full	0
27-Jul-17	RGC	Linden	Less Than 5%	2.00	3	Sunny	Small Waves	NE	Above Normal	0
14-Sep-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Below Normal	2
14-Sep-17	RPJ	Bass		1.00	0	Sunny	Calm/Ripple	S	Below Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
18-May-17	RGZK	Potomac	less algae	light filamentous Sago, Curlyleaf Pondweed, EWM
18-May-17	RGZK	Potomac	less algae	light filamentous Sago, Curlyleaf Pondweed, EWM
18-May-17	RGZK	Potomac	less algae	light filamentous Sago, Curlyleaf Pondweed, EWM
27-Jul-17	RGZK	Potomac	heavy rains	filamentous algae
27-Jul-17	RGZK	Potomac	heavy rains	filamentous algae
27-Jul-17	RGZK	Potomac	heavy rains	filamentous algae
15-Jun-17	RGZK	Potomac	considerably less algae	chara responded well to treatment Sago, Coontail present
15-Jun-17	RGZK	Potomac	considerably less algae	chara responded well to treatment Sago, Coontail present
15-Jun-17	RGZK	Potomac	considerably less algae	chara responded well to treatment Sago, Coontail present
18-May-17	WGS	Waterford	less filamentous	light filamentous algae
18-May-17	WGS	Waterford	less filamentous	light filamentous algae
18-May-17	WGS	Waterford	less filamentous	light filamentous algae
15-Jun-17	WGS	Waterford	no algae	sago dying off in thunder bay from treatment
15-Jun-17	WGS	Waterford	no algae	sago dying off in thunder bay from treatment
15-Jun-17	WGS	Waterford	no algae	sago dying off in thunder bay from treatment
27-Jul-17	WGS	Waterford	heavy rains	sago pondweed main lake
27-Jul-17	WGS	Waterford	heavy rains	sago pondweed main lake
27-Jul-17	WGS	Waterford	heavy rains	sago pondweed main lake
18-May-17	RGC	Linden		light filamentous
18-May-17	RGC	Linden		light filamentous
18-May-17	RGC	Linden		light filamentous
15-Jun-17	RGC	Linden	low amount of algae	Sago, coontail
15-Jun-17	RGC	Linden	low amount of algae	Sago, coontail
15-Jun-17	RGC	Linden	low amount of algae	Sago, coontail
27-Jul-17	RGC	Linden	heavy rains	Filamentous Algae
14-Sep-17	RPJ	Bass	Dry Conditions	Harvesting on 9/13
14-Sep-17	RPJ	Bass	Dry Conditions	Harvesting on 9/13
14-Sep-17	RPJ	Bass	Dry Conditions	Harvesting on 9/13

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
18-May-17	RGZK	Potomac	5/18 Aquathol K = curlyleaf/sago in N Bay Cutrine Plus - algae Spot treatment	10:19	RGZK-1	28	FALSE	FALSE	1	12	3
18-May-17	RGZK	Potomac	5/18 Aquathol K = curlyleaf/sago in N Bay Cutrine Plus - algae Spot treatment	10:27	RGZK-2	29	FALSE	FALSE	0	12	5.5
18-May-17	RGZK	Potomac	5/18 Aquathol K = curlyleaf/sago in N Bay Cutrine Plus - algae Spot treatment	10:31	RGZK-3	24	FALSE	FALSE	1	12	3.5
27-Jul-17	RGZK	Potomac	6 gal cutrine plus, 12 oz, cyjnet plus	09:15	RGZK-1	35	TRUE	FALSE	1	12	3
27-Jul-17	RGZK	Potomac	6 gal cutrine plus, 12 oz, cyjnet plus	09:18	RGZK-2		FALSE	TRUE	2	12	5.5
27-Jul-17	RGZK	Potomac	6 gal cutrine plus, 12 oz, cyjnet plus	09:22	RGZK-3		FALSE	TRUE	1	12	3.5
15-Jun-17	RGZK	Potomac	20 gallons o f Seclear	09:52	RGZK-1	28	FALSE	FALSE	1	12	3
15-Jun-17	RGZK	Potomac	20 gallons o f Seclear	09:59	RGZK-2	29	FALSE	FALSE	0	12	5.5
15-Jun-17	RGZK	Potomac	20 gallons o f Seclear	10:05	RGZK-3	24	FALSE	FALSE	1	12	3.5
18-May-17	WGS	Waterford	cutrine plus 5/18/17 spot treated	12:25	WGS-1	60	FALSE	FALSE	0	8	12
18-May-17	WGS	Waterford	cutrine plus 5/18/17 spot treated	12:19	WGS-2	68	FALSE	FALSE	0	8	12.5
18-May-17	WGS	Waterford	cutrine plus 5/18/17 spot treated	12:11	WGS-3	55	FALSE	FALSE	1	8	5.5
15-Jun-17	WGS	Waterford	none	14:25	WGS-1	58	FALSE	FALSE	0	8	12
15-Jun-17	WGS	Waterford	none	14:29	WGS-2	64	FALSE	FALSE	0	8	12.5
15-Jun-17	WGS	Waterford	none	14:35	WGS-3	52	FALSE	FALSE	1	8	5.5
27-Jul-17	WGS	Waterford	reward 30 gal, cygnet plus 32 oz	13:21	WGS-1	51	FALSE	FALSE	1	8	12.1
27-Jul-17	WGS	Waterford	reward 30 gal, cygnet plus 32 oz	13:26	WGS-2	58	FALSE	TRUE	2	8	12.4
27-Jul-17	WGS	Waterford	reward 30 gal, cygnet plus 32 oz	13:31	WGS-3	48	FALSE	TRUE	2	8	5.4
18-May-17	RGC	Linden	cutrine - 5/18/17 spot treatment	13:14	RGC-1	46	FALSE	FALSE	1	12	5.5
18-May-17	RGC	Linden	cutrine - 5/18/17 spot treatment	13:44	RGC-2	42	FALSE	FALSE	0	12	4
18-May-17	RGC	Linden	cutrine - 5/18/17 spot treatment	13:49	RGC-3	5	FALSE	FALSE	1	12	5.5
15-Jun-17	RGC	Linden	no treatment due to low D.O.	12:18	RGC-1	44	FALSE	FALSE	1	12	5.5
15-Jun-17	RGC	Linden	no treatment due to low D.O.	12:23	RGC-2	40	FALSE	FALSE	0	12	4
15-Jun-17	RGC	Linden	no treatment due to low D.O.	12:28	RGC-3	5	FALSE	FALSE	1	12	5.5
27-Jul-17	RGC	Linden	7.5 gal captain XTR 7.5 gal cutrine POLus 15 oz cygnet plus	11:42	RGC-1	60	TRUE	FALSE	1	0	5
14-Sep-17	RPJ	Bass	Fil. Algae present	13:07	RPJ-1	72	FALSE	FALSE	0	3	11.5
14-Sep-17	RPJ	Bass	Fil. Algae present	13:22	RPJ-2	59	FALSE	TRUE	1	3	6
14-Sep-17	RPJ	Bass	Fil. Algae present	13:27	RPJ-3	41	TRUE	FALSE	2		3.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
25-Sep-17	SEB	Bird's Pond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	S	Below Normal	10
25-Sep-17	SEB	Bird's Pond	Less Than 5%	4.00	0	Sunny	Calm/Ripple	S	Below Normal	10
18-Oct-17	RPK	Black Oak	Less Than 5%	0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPK	Black Oak	Less Than 5%	0.50	0	Sunny	Small Waves	S	Normal or Full	0
18-Oct-17	RPK	Black Oak	Less Than 5%	0.50	0	Sunny	Small Waves	S	Normal or Full	0
25-Sep-17	UDB	Camelot		3.00	0	Sunny	Calm/Ripple	South	Below Normal	3
25-Sep-17	UDB	Camelot		3.00	0	Sunny	Calm/Ripple	South	Below Normal	3
25-Sep-17	UDB	Camelot		3.00	0	Sunny	Calm/Ripple	South	Below Normal	3
29-May-17	RMM	Galena		4.00	0.08	Sunny	Small Waves	NW	Above Normal	1.31
29-May-17	RMM	Galena		4.00	0.08	Sunny	Small Waves	NW	Above Normal	1.31
29-May-17	RMM	Galena		4.00	0.08	Sunny	Small Waves	NW	Above Normal	1.31
25-Sep-17	SDP	Lancelot		3.00	0	Sunny	Calm/Ripple	NE	Below Normal	5
25-Sep-17	SDP	Lancelot		3.00	0	Sunny	Calm/Ripple	NE	Below Normal	5
25-Sep-17	SDP	Lancelot		3.00	0	Sunny	Calm/Ripple	NE	Below Normal	5
15-Aug-17	RPZB	Pine		0.50	-1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
15-Aug-17	RPZB	Pine		0.50	-1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
15-Aug-17	RPZB	Pine		0.50	-1	Partly Cloudy	Calm/Ripple	N	Normal or Full	0
15-Aug-17	RPL	Sunset		0.50	-1	Partly Cloudy	Calm/Ripple	N		
15-Aug-17	RPL	Sunset		0.50	-1	Partly Cloudy	Calm/Ripple	N		
15-Aug-17	RPL	Sunset		0.50	-1	Partly Cloudy	Calm/Ripple	N		
03-Nov-17	SDQ	Thunderbird		4.00	0	Sunny	Small Waves	West	Below Normal	1
03-Nov-17	SDQ	Thunderbird		4.00	0	Sunny	Small Waves	West	Below Normal	1
03-Nov-17	SDQ	Thunderbird		4.00	0	Sunny	Small Waves	West	Below Normal	1
29-Jun-17	RJJ	Weslake		1.00	0.1	Partly Cloudy	Calm/Ripple	6mph	Below Normal	
29-Jun-17	RJJ	Weslake		1.00	0.1	Partly Cloudy	Calm/Ripple	6mph	Below Normal	

Sample Date	Lake Code	Waterbody	Observations	Other Information
25-Sep-17	SEB	Bird's Pond	Very Dry	200 ppb Phosphate 0NO2 No3 7.5 PH 120 ppm AIK 120 ppm total handment(?)
25-Sep-17	SEB	Bird's Pond	Very Dry	200 ppb Phosphate 0NO2 No3 7.5 PH 120 ppm AIK 120 ppm total handment(?)
18-Oct-17	RPK	Black Oak	Heavy Rains last week, Total precipitation 7-8 in	surface water temp 53 F
18-Oct-17	RPK	Black Oak	Heavy Rains last week, Total precipitation 7-8 in	surface water temp 53 F
18-Oct-17	RPK	Black Oak	Heavy Rains last week, Total precipitation 7-8 in	surface water temp 53 F
25-Sep-17	UDB	Camelot		Floating Algae
25-Sep-17	UDB	Camelot		Floating Algae
25-Sep-17	UDB	Camelot		Floating Algae
29-May-17	RMM	Galena	Below normal rain and temp all last week	
29-May-17	RMM	Galena	Below normal rain and temp all last week	
29-May-17	RMM	Galena	Below normal rain and temp all last week	
25-Sep-17	SDP	Lancelot		Floating Algae
25-Sep-17	SDP	Lancelot		Floating Algae
25-Sep-17	SDP	Lancelot		Floating Algae
15-Aug-17	RPZB	Pine		Vegetation dense along shoreline at about 15 ft
15-Aug-17	RPZB	Pine		Vegetation dense along shoreline at about 15 ft
15-Aug-17	RPZB	Pine		Vegetation dense along shoreline at about 15 ft
15-Aug-17	RPL	Sunset	Cooler Period	Surface water temp 81F, Marilyn shoreline veg. Some filtered Algae on top of vegetation
15-Aug-17	RPL	Sunset	Cooler Period	Surface water temp 81F, Marilyn shoreline veg. Some filtered Algae on top of vegetation
15-Aug-17	RPL	Sunset	Cooler Period	Surface water temp 81F, Marilyn shoreline veg. Some filtered Algae on top of vegetation
03-Nov-17	SDQ	Thunderbird		
03-Nov-17	SDQ	Thunderbird		
03-Nov-17	SDQ	Thunderbird		
29-Jun-17	RJJ	Weslake		Algae on surface water very calm. Suspect algae will dissipate with wind.
29-Jun-17	RJJ	Weslake		Algae on surface water very calm. Suspect algae will dissipate with wind.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
25-Sep-17	SEB	Bird's Pond	Fish Census 9/21/2017	9:00	SEB-1	27	FALSE	FALSE	0	3	11.5
25-Sep-17	SEB	Bird's Pond	Fish Census 9/21/2017	9:15	SEB-2	22	FALSE	FALSE	0	3	8.5
18-Oct-17	RPK	Black Oak		11:28	RPK-1	36	FALSE	FALSE	0	12	7
18-Oct-17	RPK	Black Oak		11:32	RPK-2	39	FALSE	FALSE	0	12	7
18-Oct-17	RPK	Black Oak		11:35	RPK-3	37	FALSE	FALSE	0	12	7
25-Sep-17	UDB	Camelot		12:25	UDB-1	18	FALSE	FALSE	0	3	35
25-Sep-17	UDB	Camelot		12:45	UDB-2	22	FALSE	FALSE	0	3	26
25-Sep-17	UDB	Camelot		11:05	UDB-3	24	FALSE	FALSE	0	3	16
29-May-17	RMM	Galena	Weed harvesting	10:45	RMM-1	110	FALSE	FALSE	0	8	35
29-May-17	RMM	Galena	Weed harvesting	11:25	RMM-2	121	FALSE	FALSE	0	8	25
29-May-17	RMM	Galena	Weed harvesting	11:45	RMM-3	72	FALSE	FALSE		14	61
25-Sep-17	SDP	Lancelot		10:35	SDP-1	44	FALSE	FALSE	0	12	28
25-Sep-17	SDP	Lancelot		10:55	SDP-2	42	FALSE	FALSE	0	13	17.5
25-Sep-17	SDP	Lancelot		11:15	SDP-3	18	FALSE	FALSE	3	12	4
15-Aug-17	RPZB	Pine		10:40	RPZB-1	52	FALSE	FALSE	0	13	14.5
15-Aug-17	RPZB	Pine		10:46	RPZB-2	50	FALSE	FALSE	0	13	10
15-Aug-17	RPZB	Pine		10:50	RPZB-3	58	FALSE	FALSE	0	13	7
15-Aug-17	RPL	Sunset	Diffused aerater is operating better	10:00	RPL-1	35	FALSE	FALSE	0	12	7.5
15-Aug-17	RPL	Sunset	Diffused aerater is operating better	10:13	RPL-2	36	FALSE	FALSE	0	3	7
15-Aug-17	RPL	Sunset	Diffused aerater is operating better	10:17	RPL-3	34	FALSE	FALSE	0	3	7
03-Nov-17	SDQ	Thunderbird		1:30	SDQ-1	70	FALSE	FALSE		20	33
03-Nov-17	SDQ	Thunderbird		1:40	SDQ-2	68	FALSE	FALSE		20	38
03-Nov-17	SDQ	Thunderbird		1:50	SDQ-3	58	FALSE	FALSE		2	11
29-Jun-17	RJJ	Weslake		7:25	RJJ-1	35	FALSE	FALSE		17	31
29-Jun-17	RJJ	Weslake		7:40	RJJ-2	31	FALSE	FALSE		17	18

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
29-Jun-17	RJJ	Weslake		1.00	0.1	Partly Cloudy	Calm/Ripple	6mph	Below Normal	
15-Sep-17	RPI	Summerset		1.00	0	Sunny	Calm/Ripple	SSE	Above Normal	0.25
15-Sep-17	RPI	Summerset		1.00	0	Sunny	Calm/Ripple	SSE	Above Normal	0.25
15-Sep-17	RPI	Summerset		1.00	0	Sunny	Calm/Ripple	SSE	Above Normal	0.25
14-May-17	RGZW	Golfview	Less Than 5%	6.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.75
14-May-17	RGZW	Golfview	Less Than 5%	6.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.75
14-May-17	RGZW	Golfview	Less Than 5%	6.00	0	Sunny	Calm/Ripple	SW	Above Normal	0.75
21-Aug-17	RGZW	Golfview	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SW	Normal or Full	0
21-Aug-17	RGZW	Golfview	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SW	Normal or Full	0
21-Aug-17	RGZW	Golfview	Less Than 5%	8.00	0	Overcast	Calm/Ripple	SW	Normal or Full	0
29-Oct-17	RGZW	Golfview	Less Than 5%	3.00	0	Sunny	Calm/Ripple	W	Normal or Full	0
29-Oct-17	RGZW	Golfview	Less Than 5%	3.00	0	Sunny	Calm/Ripple	W	Normal or Full	0
29-Oct-17	RGZW	Golfview	Less Than 5%	3.00	0	Sunny	Calm/Ripple	W	Normal or Full	0
12-Oct-17	WGZY	Swan	Less Than 5%	2.00	1.76	Overcast	Calm/Ripple	S	Below Normal	3.36
12-Oct-17	WGZY	Swan	Less Than 5%	2.00	1.76	Overcast	Calm/Ripple	S	Below Normal	3.36
07-Aug-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
07-Aug-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
07-Aug-17	RTZZ	Woods Creek	Less Than 5%	4.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
23-Jun-17	RTZZ	Woods Creek	Less Than 5%	4.00	1	Overcast	Calm/Ripple	NW	Normal or Full	0
23-Jun-17	RTZZ	Woods Creek	Less Than 5%	4.00	1	Overcast	Calm/Ripple	NW	Normal or Full	0
23-Jun-17	RTZZ	Woods Creek	Less Than 5%	4.00	1	Overcast	Calm/Ripple	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
29-Jun-17	RJJ	Weslake		Algae on surface water very calm. Suspect algae will dissipate with wind.
15-Sep-17	RPI	Summerset	Very dry, Almost 3' below normal for month	
15-Sep-17	RPI	Summerset	Very dry, Almost 3' below normal for month	
15-Sep-17	RPI	Summerset	Very dry, Almost 3' below normal for month	
14-May-17	RGZW	Golfview	None	Pieces of floating algae
14-May-17	RGZW	Golfview	None	Pieces of floating algae
14-May-17	RGZW	Golfview	None	Pieces of floating algae
21-Aug-17	RGZW	Golfview	Darker	Fish kill noticed on morning of 8/18/17. Oxygen at 1.6 mg/L. Lost 6 CY of fish: primarily ("a million") yellow bass, some large common carp, some largemouth bass, a couple grass carp.
21-Aug-17	RGZW	Golfview	Darker	Fish kill noticed on morning of 8/18/17. Oxygen at 1.6 mg/L. Lost 6 CY of fish: primarily ("a million") yellow bass, some large common carp, some largemouth bass, a couple grass carp.
21-Aug-17	RGZW	Golfview	Darker	Fish kill noticed on morning of 8/18/17. Oxygen at 1.6 mg/L. Lost 6 CY of fish: primarily ("a million") yellow bass, some large common carp, some largemouth bass, a couple grass carp.
29-Oct-17	RGZW	Golfview	9 inches of rain Oct. 13-15 (2 weeks ago). Lake water clearer (perhaps in part due to loss of common carp during August fish kill).	No plants in lake. Lost over 1000 fish in August fish kill.
29-Oct-17	RGZW	Golfview	9 inches of rain Oct. 13-15 (2 weeks ago). Lake water clearer (perhaps in part due to loss of common carp during August fish kill).	No plants in lake. Lost over 1000 fish in August fish kill.
29-Oct-17	RGZW	Golfview	9 inches of rain Oct. 13-15 (2 weeks ago). Lake water clearer (perhaps in part due to loss of common carp during August fish kill).	No plants in lake. Lost over 1000 fish in August fish kill.
12-Oct-17	WGZY	Swan		No aquatic plants seen.
12-Oct-17	WGZY	Swan		No aquatic plants seen.
07-Aug-17	RTZZ	Woods Creek		
07-Aug-17	RTZZ	Woods Creek		
07-Aug-17	RTZZ	Woods Creek		
23-Jun-17	RTZZ	Woods Creek		
23-Jun-17	RTZZ	Woods Creek		
23-Jun-17	RTZZ	Woods Creek		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
29-Jun-17	RJJ	Weslake		7:50	RJJ-3	38	FALSE	FALSE		17	4
15-Sep-17	RPI	Summerset		9:40	RPI-1	26	FALSE	FALSE	0	14	32
15-Sep-17	RPI	Summerset		9:10	RPI-2	18	FALSE	FALSE	0	12	22
15-Sep-17	RPI	Summerset		9:00	RPI-3	21	FALSE	FALSE	0	12	12
14-May-17	RGZW	Golfview	Pump turned off	15:10	RGZW-1	20	FALSE	FALSE	0	6	3.5
14-May-17	RGZW	Golfview	Pump turned off	15:05	RGZW-2	20	FALSE	FALSE	0	6	4
14-May-17	RGZW	Golfview	Pump turned off	15:15	RGZW-3	18	FALSE	FALSE	0	6	2.5
21-Aug-17	RGZW	Golfview	Pumping water into lake. On 8/16/17: 40.5 gal Cutrine Ultra, 1.125 gal Cygnet Plus adjuvant applied by Clarke for algae control.	18:50	RGZW-1	23	FALSE	FALSE	0	15	3.5
21-Aug-17	RGZW	Golfview	Pumping water into lake. On 8/16/17: 40.5 gal Cutrine Ultra, 1.125 gal Cygnet Plus adjuvant applied by Clarke for algae control.	18:30	RGZW-2	19	FALSE	FALSE	0	15	3.5
21-Aug-17	RGZW	Golfview	Pumping water into lake. On 8/16/17: 40.5 gal Cutrine Ultra, 1.125 gal Cygnet Plus adjuvant applied by Clarke for algae control.	19:00	RGZW-3	18	FALSE	FALSE	0	15	3
29-Oct-17	RGZW	Golfview	Pump turned off after rain on Oct. 15 and not turned on through today's monitoring.	11:00	RGZW-1	24	FALSE	FALSE	0	14	3
29-Oct-17	RGZW	Golfview	Pump turned off after rain on Oct. 15 and not turned on through today's monitoring.	10:30	RGZW-2	26	FALSE	FALSE	0	14	3.5
29-Oct-17	RGZW	Golfview	Pump turned off after rain on Oct. 15 and not turned on through today's monitoring.	10:45	RGZW-3	28	FALSE	FALSE	0	14	3.5
12-Oct-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	10:45	WGZY-1	58	FALSE	FALSE	0	12	12
12-Oct-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	10:25	WGZY-2	63	FALSE	FALSE	0	12	10.5
07-Aug-17	RTZZ	Woods Creek		13:30	RTZZ-1	36	FALSE	FALSE	0	6	26
07-Aug-17	RTZZ	Woods Creek		13:45	RTZZ-2	32	FALSE	FALSE	0	9	16
07-Aug-17	RTZZ	Woods Creek		14:00	RTZZ-3	24	FALSE	FALSE	0	6	6
23-Jun-17	RTZZ	Woods Creek		09:30	RTZZ-1	36	FALSE	FALSE	0	6	26
23-Jun-17	RTZZ	Woods Creek		09:45	RTZZ-2	30	FALSE	FALSE	0	9	16
23-Jun-17	RTZZ	Woods Creek		10:00	RTZZ-3	26	FALSE	FALSE	0	6	6

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
11-Jul-17	RTZZ	Woods Creek	Less Than 5%	4.00	0.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
11-Jul-17	RTZZ	Woods Creek	Less Than 5%	4.00	0.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
11-Jul-17	RTZZ	Woods Creek	Less Than 5%	4.00	0.5	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
04-Jul-17	STJ	Campton	Less Than 5%	3.00	0.2	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
04-Jul-17	STJ	Campton	Less Than 5%	3.00	0.2	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
04-Jul-17	STJ	Campton	Less Than 5%	3.00	0.2	Partly Cloudy	Calm/Ripple	E	Normal or Full	0
11-Aug-17	STJ	Campton	Less Than 5%	6.00	0	Overcast	Small Waves	NW	Above Normal	2
11-Aug-17	STJ	Campton	Less Than 5%	6.00	0	Overcast	Small Waves	NW	Above Normal	2
11-Aug-17	STJ	Campton	Less Than 5%	6.00	0	Overcast	Small Waves	NW	Above Normal	2
11-Jun-17	RTZZ	Woods Creek		10.00	0	Sunny	Moderate Waves	S	Above Normal	3
11-Jun-17	RTZZ	Woods Creek		10.00	0	Sunny	Moderate Waves	S	Above Normal	3
11-Jun-17	RTZZ	Woods Creek		10.00	0	Sunny	Moderate Waves	S	Above Normal	3
07-Aug-17	RTZZ	Woods Creek		12.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	4
07-Aug-17	RTZZ	Woods Creek		12.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	4
07-Aug-17	RTZZ	Woods Creek		12.00	0	Partly Cloudy	Calm/Ripple	NE	Above Normal	4
23-Aug-17	RTZZ	Woods Creek		10.00	0	Sunny	Small Waves	W	Above Normal	0
23-Aug-17	RTZZ	Woods Creek		10.00	0	Sunny	Small Waves	W	Above Normal	0
23-Aug-17	RTZZ	Woods Creek		10.00	0	Sunny	Small Waves	W	Above Normal	0
18-Sep-17	RTZZ	Woods Creek		4.00	0	Sunny	Small Waves	NE	Above Normal	2
18-Sep-17	RTZZ	Woods Creek		4.00	0	Sunny	Small Waves	NE	Above Normal	2
18-Sep-17	RTZZ	Woods Creek		4.00	0	Sunny	Small Waves	NE	Above Normal	2
21-May-17	RTZC	Wonder	Less Than 5%	4.00	0.5	Overcast	Moderate Waves	S	Above Normal	2

Sample Date	Lake Code	Waterbody	Observations	Other Information
11-Jul-17	RTZZ	Woods Creek		
11-Jul-17	RTZZ	Woods Creek		
11-Jul-17	RTZZ	Woods Creek		
04-Jul-17	STJ	Campton		Curlyleaf pondweed
04-Jul-17	STJ	Campton		Curlyleaf pondweed
04-Jul-17	STJ	Campton		Curlyleaf pondweed
11-Aug-17	STJ	Campton		
11-Aug-17	STJ	Campton		
11-Aug-17	STJ	Campton		
11-Jun-17	RTZZ	Woods Creek	Very windy previous day, gusts to 40 mph	Construction coming soon to Crystal Lake Rd; runoff not controlled previously.
11-Jun-17	RTZZ	Woods Creek	Very windy previous day, gusts to 40 mph	Construction coming soon to Crystal Lake Rd; runoff not controlled previously.
11-Jun-17	RTZZ	Woods Creek	Very windy previous day, gusts to 40 mph	Construction coming soon to Crystal Lake Rd; runoff not controlled previously.
07-Aug-17	RTZZ	Woods Creek	Heavy rain past 2 weeks, water level very high after recent storm. Frequent beach closing.	Beach posted with red flag (closed) for approx. 10 days due to E. coli.
07-Aug-17	RTZZ	Woods Creek	Heavy rain past 2 weeks, water level very high after recent storm. Frequent beach closing.	Beach posted with red flag (closed) for approx. 10 days due to E. coli.
07-Aug-17	RTZZ	Woods Creek	Heavy rain past 2 weeks, water level very high after recent storm. Frequent beach closing.	Beach posted with red flag (closed) for approx. 10 days due to E. coli.
23-Aug-17	RTZZ	Woods Creek	Several days since last rain.	New park development to west of Indian Trail Beach; black plastic barrier.
23-Aug-17	RTZZ	Woods Creek	Several days since last rain.	New park development to west of Indian Trail Beach; black plastic barrier.
23-Aug-17	RTZZ	Woods Creek	Several days since last rain.	New park development to west of Indian Trail Beach; black plastic barrier.
18-Sep-17	RTZZ	Woods Creek		Approx. 6 cormorants on lake. Construction by City of LITH - water main replacement - west and southwest portions of lake.
18-Sep-17	RTZZ	Woods Creek		Approx. 6 cormorants on lake. Construction by City of LITH - water main replacement - west and southwest portions of lake.
18-Sep-17	RTZZ	Woods Creek		Approx. 6 cormorants on lake. Construction by City of LITH - water main replacement - west and southwest portions of lake.
21-May-17	RTZC	Wonder		Lots of gizzard shad and cormorants. Ski team practice, several fishing boats. Yellow spatterdock, hardstem bulrush.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
11-Jul-17	RTZZ	Woods Creek		13:10	RTZZ-1	28	FALSE	FALSE	0	7	26
11-Jul-17	RTZZ	Woods Creek		13:25	RTZZ-2	25	FALSE	FALSE	0	8	16
11-Jul-17	RTZZ	Woods Creek		13:40	RTZZ-3	22	FALSE	FALSE	0	9	6
04-Jul-17	STJ	Campton		15:21	STJ-1	24	FALSE	FALSE	0	12	7.5
04-Jul-17	STJ	Campton		15:12	STJ-2	24	FALSE	FALSE	0	12	3.5
04-Jul-17	STJ	Campton		14:57	STJ-3	15	FALSE	FALSE	0	12	2
11-Aug-17	STJ	Campton		13:42	STJ-1	22	FALSE	FALSE	0	13	8
11-Aug-17	STJ	Campton		13:56	STJ-2	14	FALSE	FALSE	0	13	4
11-Aug-17	STJ	Campton		14:04	STJ-3	10	FALSE	FALSE	0	14	2
11-Jun-17	RTZZ	Woods Creek		14:36	RTZZ-1	45	FALSE	FALSE	0	12	20
11-Jun-17	RTZZ	Woods Creek		14:45	RTZZ-2	52	FALSE	FALSE	0	12	17.5
11-Jun-17	RTZZ	Woods Creek		15:00	RTZZ-3	35	FALSE	FALSE	0	12	6
07-Aug-17	RTZZ	Woods Creek		10:37	RTZZ-1	36	FALSE	FALSE	0	12	23.5
07-Aug-17	RTZZ	Woods Creek		10:45	RTZZ-2	48	FALSE	FALSE	0	13	17.5
07-Aug-17	RTZZ	Woods Creek		11:10	RTZZ-3	36	FALSE	FALSE	0	12	6
23-Aug-17	RTZZ	Woods Creek		10:15	RTZZ-1	49	FALSE	FALSE	-1	12	22
23-Aug-17	RTZZ	Woods Creek		10:30	RTZZ-2	38	FALSE	FALSE	-1	12	17
23-Aug-17	RTZZ	Woods Creek		11:10	RTZZ-3	37	FALSE	FALSE	-1	13	6
18-Sep-17	RTZZ	Woods Creek		14:35	RTZZ-1	32	FALSE	FALSE	0	13	25
18-Sep-17	RTZZ	Woods Creek		14:19	RTZZ-2	32	FALSE	FALSE	0	13	17
18-Sep-17	RTZZ	Woods Creek		14:05	RTZZ-3	30	FALSE	FALSE	0	13	6
21-May-17	RTZC	Wonder	Dredging in southern portion of lake. Had to use dredge pipe crossing to get to Site 3.	10:47	RTZC-1	22	FALSE	FALSE	0	12	10.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
21-May-17	RTZC	Wonder	Less Than 5%	4.00	0.5	Overcast	Moderate Waves	S	Above Normal	2
21-May-17	RTZC	Wonder	Less Than 5%	4.00	0.5	Overcast	Moderate Waves	S	Above Normal	2
04-Jun-17	RTZC	Wonder		2.00	0.01	Hazy	Calm/Ripple	W	Above Normal	1.5
04-Jun-17	RTZC	Wonder		2.00	0.01	Hazy	Calm/Ripple	W	Above Normal	1.5
04-Jun-17	RTZC	Wonder		2.00	0.01	Hazy	Calm/Ripple	W	Above Normal	1.5
18-Jun-17	RTZC	Wonder	Less Than 5%	4.00	1	Partly Cloudy	White Caps	W	Above Normal	4
18-Jun-17	RTZC	Wonder	Less Than 5%	4.00	1	Partly Cloudy	White Caps	W	Above Normal	4
10-Jul-17	RTZC	Wonder	Less Than 5%	3.00	2	Partly Cloudy	Moderate Waves	W	Above Normal	1
10-Jul-17	RTZC	Wonder	Less Than 5%	3.00	2	Partly Cloudy	Moderate Waves	W	Above Normal	1
31-Jul-17	RTZC	Wonder	Less Than 5%	1.00	0	Partly Cloudy	Moderate Waves	S	Above Normal	1
31-Jul-17	RTZC	Wonder	Less Than 5%	1.00	0	Partly Cloudy	Moderate Waves	S	Above Normal	1
31-Jul-17	RTZC	Wonder	Less Than 5%	1.00	0	Partly Cloudy	Moderate Waves	S	Above Normal	1
06-Aug-17	RTZC	Wonder	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
21-May-17	RTZC	Wonder		Lots of gizzard shad and cormorants. Ski team practice, several fishing boats. Yellow spatterdock, hardstem bulrush.
21-May-17	RTZC	Wonder		Lots of gizzard shad and cormorants. Ski team practice, several fishing boats. Yellow spatterdock, hardstem bulrush.
04-Jun-17	RTZC	Wonder		11 cormorants scared off of Shorehills Beach Island. Carp Kill Classic today. Secchi readings done after sail boat races. Arrowhead, yellow iris, hardstem bulrush, yellow spatterdock.
04-Jun-17	RTZC	Wonder		11 cormorants scared off of Shorehills Beach Island. Carp Kill Classic today. Secchi readings done after sail boat races. Arrowhead, yellow iris, hardstem bulrush, yellow spatterdock.
04-Jun-17	RTZC	Wonder		11 cormorants scared off of Shorehills Beach Island. Carp Kill Classic today. Secchi readings done after sail boat races. Arrowhead, yellow iris, hardstem bulrush, yellow spatterdock.
18-Jun-17	RTZC	Wonder		Sailing canceled today - too windy (17 mph). Yellow iris, yellow spatterdock, arrowhead, hardstem bulrush.
18-Jun-17	RTZC	Wonder		Sailing canceled today - too windy (17 mph). Yellow iris, yellow spatterdock, arrowhead, hardstem bulrush.
10-Jul-17	RTZC	Wonder		2 ski boats, 3 fishing boats. Yellow iris, yellow spatterdock, arrowhead, hardstem bulrush.
10-Jul-17	RTZC	Wonder		2 ski boats, 3 fishing boats. Yellow iris, yellow spatterdock, arrowhead, hardstem bulrush.
31-Jul-17	RTZC	Wonder	Several high water days; lake closed since last monitoring.	Yellow spatterdock, hardstem bulrush, arrowhead, yellow iris.
31-Jul-17	RTZC	Wonder	Several high water days; lake closed since last monitoring.	Yellow spatterdock, hardstem bulrush, arrowhead, yellow iris.
31-Jul-17	RTZC	Wonder	Several high water days; lake closed since last monitoring.	Yellow spatterdock, hardstem bulrush, arrowhead, yellow iris.
06-Aug-17	RTZC	Wonder		Rain expected by 12:00 today. Yellow spatterdock, hardstem bulrush, arrowhead, yellow iris.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
21-May-17	RTZC	Wonder	Dredging in southern portion of lake. Had to use dredge pipe crossing to get to Site 3.	11:15	RTZC-2	18	FALSE	FALSE	0	12	6
21-May-17	RTZC	Wonder	Dredging in southern portion of lake. Had to use dredge pipe crossing to get to Site 3.	11:38	RTZC-3	20	FALSE	FALSE	0	12	8
04-Jun-17	RTZC	Wonder	Dredging ongoing in southern area of lake.	12:51	RTZC-1	22	FALSE	FALSE	0	0	10
04-Jun-17	RTZC	Wonder	Dredging ongoing in southern area of lake.	12:42	RTZC-2	18	FALSE	FALSE	0	0	5.5
04-Jun-17	RTZC	Wonder	Dredging ongoing in southern area of lake.	12:04	RTZC-3	22	FALSE	FALSE	0	12	8
18-Jun-17	RTZC	Wonder	Dredging ongoing in southern portion of lake. Could not get to Site 3 because pipeline in the way.	10:58	RTZC-1	22	FALSE	FALSE	0	12	10
18-Jun-17	RTZC	Wonder	Dredging ongoing in southern portion of lake. Could not get to Site 3 because pipeline in the way.	10:08	RTZC-2	18	FALSE	FALSE	0	12	6
10-Jul-17	RTZC	Wonder	Dredging continues in south part of lake. Could not get to Site 3 since pump booster barge in the way. Dredger barge further south.	10:55	RTZC-1	23	FALSE	FALSE	0	12	10
10-Jul-17	RTZC	Wonder	Dredging continues in south part of lake. Could not get to Site 3 since pump booster barge in the way. Dredger barge further south.	11:17	RTZC-2	18	FALSE	FALSE	0	12	6
31-Jul-17	RTZC	Wonder	Dredging in southeastern end of lake. Went through pipeline opening to get to Site 3.	10:54	RTZC-1	17	FALSE	FALSE	0	12	10
31-Jul-17	RTZC	Wonder	Dredging in southeastern end of lake. Went through pipeline opening to get to Site 3.	11:18	RTZC-2	18	FALSE	FALSE	0	12	6
31-Jul-17	RTZC	Wonder	Dredging in southeastern end of lake. Went through pipeline opening to get to Site 3.	11:38	RTZC-3	16	FALSE	FALSE	0	12	8
06-Aug-17	RTZC	Wonder	Dredging continues in southern portion of lake.	13:25	RTZC-1	24	FALSE	FALSE	0	12	10

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
06-Aug-17	RTZC	Wonder	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
06-Aug-17	RTZC	Wonder	Less Than 5%	6.00	0	Partly Cloudy	Calm/Ripple	NONE	Normal or Full	0
29-Aug-17	RTZC	Wonder	Less Than 5%	1.00	0.01	Overcast	Calm/Ripple	N	Normal or Full	0
29-Aug-17	RTZC	Wonder	Less Than 5%	1.00	0.01	Overcast	Calm/Ripple	N	Normal or Full	0
29-Aug-17	RTZC	Wonder	Less Than 5%	1.00	0.01	Overcast	Calm/Ripple	N	Normal or Full	0
04-Sep-17	RTZC	Wonder	Less Than 5%	2.00	0	Hazy	Moderate Waves	S	Normal or Full	0
04-Sep-17	RTZC	Wonder	Less Than 5%	2.00	0	Hazy	Moderate Waves	S	Normal or Full	0
04-Sep-17	RTZC	Wonder	Less Than 5%	2.00	0	Hazy	Moderate Waves	S	Normal or Full	0
18-Sep-17	RTZC	Wonder	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	0.5
18-Sep-17	RTZC	Wonder	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	0.5
18-Sep-17	RTZC	Wonder	Less Than 5%	1.00	0	Sunny	Calm/Ripple	N	Below Normal	0.5
30-Oct-17	WGZY	Swan	Less Than 5%	2.00	0.01	Partly Cloudy	Calm/Ripple	NE	Above Normal	7.92
30-Oct-17	WGZY	Swan	Less Than 5%	2.00	0.01	Partly Cloudy	Calm/Ripple	NE	Above Normal	7.92
16-Nov-17	WGZY	Swan	Less Than 5%	2.00	0.23	Overcast	Calm/Ripple	W	Above Normal	7.44
16-Nov-17	WGZY	Swan	Less Than 5%	2.00	0.23	Overcast	Calm/Ripple	W	Above Normal	7.44
11-Jun-17	SGW	Stephen	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
11-Jun-17	SGW	Stephen	Less Than 5%	1.00	0	Sunny	Calm/Ripple	NW	Normal or Full	0
03-Jul-17	SGW	Stephen	5% To 25%	1.00	0.5	Sunny	Calm/Ripple	NONE	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
06-Aug-17	RTZC	Wonder		Rain expected by 12:00 today. Yellow spatterdock, hardstem bulrush, arrowhead, yellow iris.
06-Aug-17	RTZC	Wonder		Rain expected by 12:00 today. Yellow spatterdock, hardstem bulrush, arrowhead, yellow iris.
29-Aug-17	RTZC	Wonder		1 fishing boat, 1 sailboat. Arrowhead, yellow iris, hardstem bulrush, yellow spatterdock, purple loosestrife.
29-Aug-17	RTZC	Wonder		1 fishing boat, 1 sailboat. Arrowhead, yellow iris, hardstem bulrush, yellow spatterdock, purple loosestrife.
29-Aug-17	RTZC	Wonder		1 fishing boat, 1 sailboat. Arrowhead, yellow iris, hardstem bulrush, yellow spatterdock, purple loosestrife.
04-Sep-17	RTZC	Wonder		Sailing cancelled, only 2 boats and whitecaps in south end at 9 a.m. Same plants: yellow spatterdock, yellow iris, hardstem bulrush, arrowhead.
04-Sep-17	RTZC	Wonder		Sailing cancelled, only 2 boats and whitecaps in south end at 9 a.m. Same plants: yellow spatterdock, yellow iris, hardstem bulrush, arrowhead.
04-Sep-17	RTZC	Wonder		Sailing cancelled, only 2 boats and whitecaps in south end at 9 a.m. Same plants: yellow spatterdock, yellow iris, hardstem bulrush, arrowhead.
18-Sep-17	RTZC	Wonder		Dennis Gallo caught 18" largemouth bass a week ago. Pre-Oct. 1 fishing derby today.
18-Sep-17	RTZC	Wonder		Dennis Gallo caught 18" largemouth bass a week ago. Pre-Oct. 1 fishing derby today.
18-Sep-17	RTZC	Wonder		Dennis Gallo caught 18" largemouth bass a week ago. Pre-Oct. 1 fishing derby today.
30-Oct-17	WGZY	Swan	Lake level up 0.94 ft since last monitoring. Secchi depth improved.	No aquatic plants seen.
30-Oct-17	WGZY	Swan	Lake level up 0.94 ft since last monitoring. Secchi depth improved.	No aquatic plants seen.
16-Nov-17	WGZY	Swan		No aquatic plants seen.
16-Nov-17	WGZY	Swan		No aquatic plants seen.
11-Jun-17	SGW	Stephen		
11-Jun-17	SGW	Stephen		
03-Jul-17	SGW	Stephen		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
06-Aug-17	RTZC	Wonder	Dredging continues in southern portion of lake.	12:28	RTZC-2	21	FALSE	FALSE	0	12	6
06-Aug-17	RTZC	Wonder	Dredging continues in southern portion of lake.	11:32	RTZC-3	18	FALSE	FALSE	0	12	8
29-Aug-17	RTZC	Wonder	Booster pump still in place, but apparently not operating. Could not see actual dredge.	12:35	RTZC-1	21	FALSE	FALSE	0	12	10
29-Aug-17	RTZC	Wonder	Booster pump still in place, but apparently not operating. Could not see actual dredge.	12:46	RTZC-2	18	FALSE	FALSE	0	12	6
29-Aug-17	RTZC	Wonder	Booster pump still in place, but apparently not operating. Could not see actual dredge.	13:02	RTZC-3	18	FALSE	FALSE	0	12	7.5
04-Sep-17	RTZC	Wonder	Dredging continues in south part of lake.	10:46	RTZC-1	20	FALSE	FALSE	0	12	10
04-Sep-17	RTZC	Wonder	Dredging continues in south part of lake.	10:30	RTZC-2	14	FALSE	FALSE	0	12	6
04-Sep-17	RTZC	Wonder	Dredging continues in south part of lake.	10:15	RTZC-3	16	FALSE	FALSE	0	12	7
18-Sep-17	RTZC	Wonder	Dredging barge SE of Site 3. No smoke or noise from pump or dredging barge.	11:16	RTZC-1	16	FALSE	FALSE	0	12	9.5
18-Sep-17	RTZC	Wonder	Dredging barge SE of Site 3. No smoke or noise from pump or dredging barge.	11:38	RTZC-2	15	FALSE	FALSE	0	12	5.5
18-Sep-17	RTZC	Wonder	Dredging barge SE of Site 3. No smoke or noise from pump or dredging barge.	12:00	RTZC-3	15	FALSE	FALSE	0	12	7
30-Oct-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	10:30	WGZY-1	102	FALSE	FALSE	0	12	12.5
30-Oct-17	WGZY	Swan	Summer aeration system running with oxygen concentrator.	11:00	WGZY-2	103	FALSE	FALSE	0	12	11
16-Nov-17	WGZY	Swan	Switched to winter aeration system (3 diffusers on W side) on 11/7/2017.	10:05	WGZY-1	84	FALSE	FALSE	0	12	13
16-Nov-17	WGZY	Swan	Switched to winter aeration system (3 diffusers on W side) on 11/7/2017.	11:00	WGZY-2	82	FALSE	FALSE	0	12	11
11-Jun-17	SGW	Stephen		11:00	SGW-1	34	FALSE	FALSE	0	0	7
11-Jun-17	SGW	Stephen		11:10	SGW-2	34	FALSE	FALSE	0	0	7.5
03-Jul-17	SGW	Stephen		11:30	SGW-1	27	FALSE	FALSE	0	0	7

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
03-Jul-17	SGW	Stephen	5% To 25%	1.00	0.5	Sunny	Calm/Ripple	NONE	Normal or Full	0
09-Sep-17	SGW	Stephen		0.50	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
09-Sep-17	SGW	Stephen		0.50	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
29-Aug-17	REF	Springfield		6.00	0.2	Partly Cloudy	Calm/Ripple	NE	Below Normal	15.5
29-Aug-17	REF	Springfield		6.00	0.2	Partly Cloudy	Calm/Ripple	NE	Below Normal	15.5
29-Aug-17	REF	Springfield		6.00	0.2	Partly Cloudy	Calm/Ripple	NE	Below Normal	15.5
29-Aug-17	REF	Springfield		6.00	0.2	Partly Cloudy	Calm/Ripple	NE	Below Normal	15.5
29-Aug-17	REF	Springfield		6.00	0.2	Partly Cloudy	Calm/Ripple	NE	Below Normal	15.5
19-Sep-17	REF	Springfield		6.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	24.8
19-Sep-17	REF	Springfield		6.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	24.8
19-Sep-17	REF	Springfield		6.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	24.8
19-Sep-17	REF	Springfield		6.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	24.8
19-Sep-17	REF	Springfield		6.00	0.03	Sunny	Calm/Ripple	NE	Below Normal	24.8
24-May-17	WTJ	Three Oaks North	Less Than 5%	0.50	0.5	Overcast	Small Waves	N	Normal or Full	0
24-May-17	WTJ	Three Oaks North	Less Than 5%	0.50	0.5	Overcast	Small Waves	N	Normal or Full	0
24-May-17	WTG	Three Oaks South	5% To 25%	2.00	0.5	Overcast	Moderate Waves	N	Normal or Full	0
24-May-17	WTG	Three Oaks South	5% To 25%	2.00	0.5	Overcast	Moderate Waves	N	Normal or Full	0
24-May-17	WTG	Three Oaks South	5% To 25%	2.00	0.5	Overcast	Moderate Waves	N	Normal or Full	0
24-May-17	VTZH	Crystal	No Selection	7.50	0.5	Overcast	Calm/Ripple	NE	Above Normal	2
24-May-17	VTZH	Crystal	No Selection	7.50	0.5	Overcast	Calm/Ripple	NE	Above Normal	2
24-May-17	VTZH	Crystal	No Selection	7.50	0.5	Overcast	Calm/Ripple	NE	Above Normal	2
18-Jul-17	VTZH	Crystal	No Selection	6.00	0	Sunny	Calm/Ripple	SW	Above Normal	7.42
18-Jul-17	VTZH	Crystal	No Selection	6.00	0	Sunny	Calm/Ripple	SW	Above Normal	7.42
22-Aug-17	VTZH	Crystal	No Selection	4.00	0.01	Overcast	Moderate Waves	W	Above Normal	4.18
22-Aug-17	VTZH	Crystal	No Selection	4.00	0.01	Overcast	Moderate Waves	W	Above Normal	4.18
28-Sep-17	VTZH	Crystal	No Selection	4.00	0	Sunny	Calm/Ripple	NW	Above Normal	0.5
28-Sep-17	VTZH	Crystal	No Selection	4.00	0	Sunny	Calm/Ripple	NW	Above Normal	0.5

Sample Date	Lake Code	Waterbody	Observations	Other Information
03-Jul-17	SGW	Stephen		
09-Sep-17	SGW	Stephen		
09-Sep-17	SGW	Stephen		
29-Aug-17	REF	Springfield		
29-Aug-17	REF	Springfield		
29-Aug-17	REF	Springfield		
29-Aug-17	REF	Springfield		
29-Aug-17	REF	Springfield		
19-Sep-17	REF	Springfield		
19-Sep-17	REF	Springfield		
19-Sep-17	REF	Springfield		
19-Sep-17	REF	Springfield		
19-Sep-17	REF	Springfield		
24-May-17	WTJ	Three Oaks North		
24-May-17	WTJ	Three Oaks North		
24-May-17	WTG	Three Oaks South		Chara/Nitella present. Chara pulled up with anchor at Sites 1 & 3.
24-May-17	WTG	Three Oaks South		Chara/Nitella present. Chara pulled up with anchor at Sites 1 & 3.
24-May-17	WTG	Three Oaks South		Chara/Nitella present. Chara pulled up with anchor at Sites 1 & 3.
24-May-17	VTZH	Crystal		Coontail, curlyleaf pondweed (CLP), hybrid EWM present. Coontail and CLP pulled up w/ anchor at Site 2.
24-May-17	VTZH	Crystal		Coontail, curlyleaf pondweed (CLP), hybrid EWM present. Coontail and CLP pulled up w/ anchor at Site 2.
24-May-17	VTZH	Crystal		Coontail, curlyleaf pondweed (CLP), hybrid EWM present. Coontail and CLP pulled up w/ anchor at Site 2.
18-Jul-17	VTZH	Crystal	Significant rainfall in early July	Coontail, CLP, EWM present
18-Jul-17	VTZH	Crystal	Significant rainfall in early July	Coontail, CLP, EWM present
22-Aug-17	VTZH	Crystal		Coontail, EWM, CLP present
22-Aug-17	VTZH	Crystal		Coontail, EWM, CLP present
28-Sep-17	VTZH	Crystal		No boat traffic. Coontail, EWM, CLP present.
28-Sep-17	VTZH	Crystal		No boat traffic. Coontail, EWM, CLP present.

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
03-Jul-17	SGW	Stephen		11:40	SGW-2	27	FALSE	FALSE	0	0	7.5
09-Sep-17	SGW	Stephen		9:00	SGW-1	23	FALSE	FALSE	0	0	7
09-Sep-17	SGW	Stephen		9:10	SGW-2	23	FALSE	FALSE	0	0	7.5
29-Aug-17	REF	Springfield		13:35	REF-1	15	FALSE	FALSE	0	12	21.5
29-Aug-17	REF	Springfield		13:50	REF-2	14	FALSE	FALSE	0	12	16.5
29-Aug-17	REF	Springfield		14:00	REF-3	12	FALSE	FALSE	0	12	9
29-Aug-17	REF	Springfield		14:10	REF-5	8	FALSE	FALSE	0	13	6
29-Aug-17	REF	Springfield		14:20	REF-6	9	FALSE	FALSE	0	13	6.5
19-Sep-17	REF	Springfield		13:12	REF-1	27	FALSE	FALSE	0	12	21
19-Sep-17	REF	Springfield		13:41	REF-2	22	FALSE	FALSE	0	12	16.5
19-Sep-17	REF	Springfield		13:50	REF-3	14	FALSE	FALSE	0	12	8.5
19-Sep-17	REF	Springfield		13:58	REF-5	10	FALSE	FALSE	0	13	5
19-Sep-17	REF	Springfield		14:08	REF-6	10	FALSE	FALSE	0	13	5.5
24-May-17	WTJ	Three Oaks North		12:32	WTJ-1	194	FALSE	FALSE	0	1	35
24-May-17	WTJ	Three Oaks North		12:45	WTJ-2	159	FALSE	FALSE	0	1	25
24-May-17	WTG	Three Oaks South	Aeration around marina to keep area clear of ice and filamentous algae mats	11:15	WTG-1	273	FALSE	FALSE	1	1	42.5
24-May-17	WTG	Three Oaks South	Aeration around marina to keep area clear of ice and filamentous algae mats	12:05	WTG-2	277	FALSE	FALSE	0	1	25.5
24-May-17	WTG	Three Oaks South	Aeration around marina to keep area clear of ice and filamentous algae mats	11:45	WTG-3	222	TRUE	FALSE	2	1	18.5
24-May-17	VTZH	Crystal		14:15	VTZH-1	134	FALSE	FALSE	0	8	42
24-May-17	VTZH	Crystal		15:10	VTZH-2	125	FALSE	FALSE	2	3	16.5
24-May-17	VTZH	Crystal		15:38	VTZH-3	125	FALSE	FALSE	0	3	34
18-Jul-17	VTZH	Crystal		14:28	VTZH-1	120	FALSE	FALSE	1	15	42
18-Jul-17	VTZH	Crystal		15:20	VTZH-2	120	FALSE	FALSE	0	15	15
22-Aug-17	VTZH	Crystal	Navigate applied to control milfoil in west bay and south shore on 7/18/2017	13:20	VTZH-1	126	FALSE	FALSE	1	13	41
22-Aug-17	VTZH	Crystal	Navigate applied to control milfoil in west bay and south shore on 7/18/2017	14:10	VTZH-2	132	FALSE	FALSE	0	13	15
28-Sep-17	VTZH	Crystal	Mechanical harvester out for a few days harvesting in west bay.	09:00	VTZH-1	180	FALSE	FALSE	2	12	39.5
28-Sep-17	VTZH	Crystal	Mechanical harvester out for a few days harvesting in west bay.	10:10	VTZH-2	150	FALSE	FALSE	0	12	15.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
26-Jun-17	VTZH	Crystal	No Selection	4.00	0	Sunny	Calm/Ripple	SW	Above Normal	5.5
26-Jun-17	VTZH	Crystal	No Selection	4.00	0	Sunny	Calm/Ripple	SW	Above Normal	5.5
08-Nov-17	VTZH	Crystal	No Selection	4.00	0	Partly Cloudy	Small Waves	W	Above Normal	2
08-Nov-17	VTZH	Crystal	No Selection	4.00	0	Partly Cloudy	Small Waves	W	Above Normal	2
03-Nov-17	VGZF	Deboer Woods	Less Than 5%	1.00	2	Hazy	Small Waves	N	Above Normal	4
03-Nov-17	VGZF	Deboer Woods	Less Than 5%	1.00	2	Hazy	Small Waves	N	Above Normal	4
03-Nov-17	VGZF	Deboer Woods	Less Than 5%	1.00	2	Hazy	Small Waves	N	Above Normal	4
25-May-17	VTH	Dunns	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
25-May-17	VTH	Dunns	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
25-May-17	VTH	Dunns	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
08-Jun-17	VTH	Dunns	Less Than 5%	1.00	0.1	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
08-Jun-17	VTH	Dunns	Less Than 5%	1.00	0.1	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
08-Jun-17	VTH	Dunns	Less Than 5%	1.00	0.1	Partly Cloudy	Calm/Ripple	SW	Normal or Full	0
22-Jun-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
22-Jun-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
22-Jun-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
06-Jul-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
06-Jul-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
06-Jul-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
24-Aug-17	VTH	Dunns	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	0
24-Aug-17	VTH	Dunns	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	0
24-Aug-17	VTH	Dunns	Less Than 5%	1.00	0	Partly Cloudy	Calm/Ripple	W	Above Normal	0
03-Oct-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
03-Oct-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
03-Oct-17	VTH	Dunns	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
25-May-17	RTUA	Nippersink	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0
25-May-17	RTUA	Nippersink	Less Than 5%	1.00	0	Partly Cloudy	Small Waves	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
26-Jun-17	VTZH	Crystal		No boat traffic. Coontail, EWM, CLP, Chara, eelgrass present.
26-Jun-17	VTZH	Crystal		No boat traffic. Coontail, EWM, CLP, Chara, eelgrass present.
08-Nov-17	VTZH	Crystal		Coontail, CLP, EWM present
08-Nov-17	VTZH	Crystal		Coontail, CLP, EWM present
03-Nov-17	VGZF	Deboer Woods	Rain	Blue-green algae substantially reduced but still there. No toxin per microcystin strip test on Oct. 30.
03-Nov-17	VGZF	Deboer Woods	Rain	Blue-green algae substantially reduced but still there. No toxin per microcystin strip test on Oct. 30.
03-Nov-17	VGZF	Deboer Woods	Rain	Blue-green algae substantially reduced but still there. No toxin per microcystin strip test on Oct. 30.
25-May-17	VTH	Dunns		
25-May-17	VTH	Dunns		
25-May-17	VTH	Dunns		
08-Jun-17	VTH	Dunns		algae
08-Jun-17	VTH	Dunns		algae
08-Jun-17	VTH	Dunns		algae
22-Jun-17	VTH	Dunns		
22-Jun-17	VTH	Dunns		
22-Jun-17	VTH	Dunns		
06-Jul-17	VTH	Dunns		algae present
06-Jul-17	VTH	Dunns		algae present
06-Jul-17	VTH	Dunns		algae present
24-Aug-17	VTH	Dunns	Big July flood event - Chain O'Lakes closed and no wake for extended period of time	
24-Aug-17	VTH	Dunns	Big July flood event - Chain O'Lakes closed and no wake for extended period of time	
24-Aug-17	VTH	Dunns	Big July flood event - Chain O'Lakes closed and no wake for extended period of time	
03-Oct-17	VTH	Dunns		windy weather
03-Oct-17	VTH	Dunns		windy weather
03-Oct-17	VTH	Dunns		windy weather
25-May-17	RTUA	Nippersink		
25-May-17	RTUA	Nippersink		

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
26-Jun-17	VTZH	Crystal	On 6/6/2017, Navigate was applied in west bay to treat milfoil; and Aquathol Super K was applied around piers in west bay to treat milfoil, Chara, curlyleaf pondweed, and eelgrass.	10:00	VTZH-1	66	FALSE	FALSE	0	15	42
26-Jun-17	VTZH	Crystal	On 6/6/2017, Navigate was applied in west bay to treat milfoil; and Aquathol Super K was applied around piers in west bay to treat milfoil, Chara, curlyleaf pondweed, and eelgrass.	10:35	VTZH-2	78	FALSE	FALSE	-1	15	15
08-Nov-17	VTZH	Crystal		14:10	VTZH-1	144	FALSE	FALSE	2	12	37
08-Nov-17	VTZH	Crystal		15:00	VTZH-2	174	FALSE	FALSE	1	12	17.5
03-Nov-17	VGZF	Deboer Woods	None. (Aeration system turned off at end of October.)	10:45	VGZF-1	92	FALSE	FALSE	0	13	16
03-Nov-17	VGZF	Deboer Woods	None. (Aeration system turned off at end of October.)	10:55	VGZF-2	71	FALSE	FALSE	0	13	12
03-Nov-17	VGZF	Deboer Woods	None. (Aeration system turned off at end of October.)	11:00	VGZF-3	64	FALSE	FALSE	0	13	10
25-May-17	VTH	Dunns		08:05	VTH-1	14	FALSE	FALSE	0	8	6
25-May-17	VTH	Dunns		08:10	VTH-2	12	FALSE	FALSE	0	8	6.5
25-May-17	VTH	Dunns		08:20	VTH-3	12	FALSE	FALSE	0	8	4.5
08-Jun-17	VTH	Dunns		08:15	VTH-1	16	FALSE	FALSE	0	9	6
08-Jun-17	VTH	Dunns		08:20	VTH-2	15	FALSE	FALSE	0	8	6.5
08-Jun-17	VTH	Dunns		08:30	VTH-3	16	FALSE	FALSE	0	8	4.5
22-Jun-17	VTH	Dunns		08:25	VTH-1	18	FALSE	FALSE	0	8	6
22-Jun-17	VTH	Dunns		08:30	VTH-2	17	FALSE	FALSE	0	8	6.5
22-Jun-17	VTH	Dunns		08:35	VTH-3	17	FALSE	FALSE	0	8	4
06-Jul-17	VTH	Dunns		08:10	VTH-1	11	FALSE	FALSE	0	8	6.5
06-Jul-17	VTH	Dunns		08:15	VTH-2	10	FALSE	FALSE	0	9	6
06-Jul-17	VTH	Dunns		08:25	VTH-3	11	FALSE	FALSE	0	8	5
24-Aug-17	VTH	Dunns		08:10	VTH-1	14	FALSE	FALSE	0	8	6
24-Aug-17	VTH	Dunns		08:15	VTH-2	13	FALSE	FALSE	0	9	6.5
24-Aug-17	VTH	Dunns		08:25	VTH-3	13	FALSE	FALSE	0	9	4.5
03-Oct-17	VTH	Dunns		09:30	VTH-1	15	FALSE	FALSE	0	9	6
03-Oct-17	VTH	Dunns		09:40	VTH-2	15	FALSE	FALSE	0	9	6.5
03-Oct-17	VTH	Dunns		09:50	VTH-3	16	FALSE	FALSE	0	9	4
25-May-17	RTUA	Nippersink		08:35	RTUA-1	17	FALSE	FALSE	0	12	6.5
25-May-17	RTUA	Nippersink		08:45	RTUA-3	16	FALSE	FALSE	0	12	4.5

Sample Date	Lake Code	Waterbody	Aquatic Plants	Event Duration (hr)	Rain Amount (in)	Cloud Cover	Waves	Wind Direction	Lake Level	Lake Level (in)
22-Jun-17	RTUA	Nippersink	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
22-Jun-17	RTUA	Nippersink	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
06-Jul-17	RTUA	Nippersink	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
06-Jul-17	RTUA	Nippersink	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
24-Aug-17	RTUA	Nippersink	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
24-Aug-17	RTUA	Nippersink	No Selection	1.00	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
03-Oct-17	RTUA	Nippersink	5% To 25%	1.00	0	No Selection	No Selection	NONE	Normal or Full	0
03-Oct-17	RTUA	Nippersink	5% To 25%	1.00	0	No Selection	No Selection	NONE	Normal or Full	0
03-Oct-17	RTUA	Nippersink	5% To 25%	1.00	0	No Selection	No Selection	NONE	Normal or Full	0
22-Jun-17	RTQ	Grass	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
22-Jun-17	RTQ	Grass	5% To 25%	1.00	0	Partly Cloudy	Small Waves	SW	Normal or Full	0
06-Jul-17	RTQ	Grass	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
06-Jul-17	RTQ	Grass	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	Normal or Full	0
24-Aug-17	RTQ	Grass	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
24-Aug-17	RTQ	Grass	5% To 25%	1.00	0	Partly Cloudy	Calm/Ripple	W	No Selection	0
20-Sep-17	RTQ	Grass	5% To 25%	1.00	0	Sunny	Small Waves	SE	Normal or Full	0
20-Sep-17	RTQ	Grass	5% To 25%	1.00	0	Sunny	Small Waves	SE	Normal or Full	0
20-Sep-17	RTQ	Grass	5% To 25%	1.00	0	Sunny	Small Waves	SE	Normal or Full	0
29-May-17	RGB	Diamond	26% To 50%	1.00	0	Sunny	Moderate Waves	W	Normal or Full	0
29-May-17	RGB	Diamond	26% To 50%	1.00	0	Sunny	Moderate Waves	W	Normal or Full	0
29-May-17	RGB	Diamond	26% To 50%	1.00	0	Sunny	Moderate Waves	W	Normal or Full	0
25-Jun-17	RGB	Diamond	26% To 50%	1.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
25-Jun-17	RGB	Diamond	26% To 50%	1.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
25-Jun-17	RGB	Diamond	26% To 50%	1.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
25-Jun-17	RGB	Diamond	26% To 50%	1.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
25-Jun-17	RGB	Diamond	26% To 50%	1.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
25-Jun-17	RGB	Diamond	26% To 50%	1.00	0	Partly Cloudy	Small Waves	W	Normal or Full	0
31-Jul-17	RGB	Diamond	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
31-Jul-17	RGB	Diamond	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
31-Jul-17	RGB	Diamond	Less Than 5%	1.50	0	Sunny	Calm/Ripple	W	Normal or Full	0
28-Aug-17	RGB	Diamond	No Selection	1.00	0	No Selection	No Selection	NONE	No Selection	0
30-Aug-17	RGB	Diamond	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0
30-Aug-17	RGB	Diamond	Less Than 5%	2.00	0	Partly Cloudy	Calm/Ripple	NW	Normal or Full	0

Sample Date	Lake Code	Waterbody	Observations	Other Information
22-Jun-17	RTUA	Nippersink		
22-Jun-17	RTUA	Nippersink		
06-Jul-17	RTUA	Nippersink		algae
06-Jul-17	RTUA	Nippersink		algae
24-Aug-17	RTUA	Nippersink	Big July Flood closed chain for awhile	lotus wiped out post flood
24-Aug-17	RTUA	Nippersink	Big July Flood closed chain for awhile	lotus wiped out post flood
03-Oct-17	RTUA	Nippersink		
03-Oct-17	RTUA	Nippersink		
03-Oct-17	RTUA	Nippersink		
22-Jun-17	RTQ	Grass		
22-Jun-17	RTQ	Grass		
06-Jul-17	RTQ	Grass		algae
06-Jul-17	RTQ	Grass		algae
24-Aug-17	RTQ	Grass	big july flood, closed chain	lotus decreased post flood
24-Aug-17	RTQ	Grass	big july flood, closed chain	lotus decreased post flood
20-Sep-17	RTQ	Grass		
20-Sep-17	RTQ	Grass		
20-Sep-17	RTQ	Grass		
29-May-17	RGB	Diamond	Very windy, westerly	
29-May-17	RGB	Diamond	Very windy, westerly	
29-May-17	RGB	Diamond	Very windy, westerly	
25-Jun-17	RGB	Diamond		
25-Jun-17	RGB	Diamond		
25-Jun-17	RGB	Diamond		
25-Jun-17	RGB	Diamond		
25-Jun-17	RGB	Diamond		
25-Jun-17	RGB	Diamond		
31-Jul-17	RGB	Diamond		Very few (no?) rooted aquatic plants other than lily pads
31-Jul-17	RGB	Diamond		Very few (no?) rooted aquatic plants other than lily pads
31-Jul-17	RGB	Diamond		Very few (no?) rooted aquatic plants other than lily pads
28-Aug-17	RGB	Diamond		
30-Aug-17	RGB	Diamond	still very turbid, a few signs of rooted plants- very few!	very low visibility
30-Aug-17	RGB	Diamond	still very turbid, a few signs of rooted plants- very few!	very low visibility

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
22-Jun-17	RTUA	Nippersink		08:05	RTUA-1	12	FALSE	FALSE	0	12	6.5
22-Jun-17	RTUA	Nippersink		08:50	RTUA-3	14	FALSE	FALSE	0	12	5
06-Jul-17	RTUA	Nippersink		07:55	RTUA-1	11	FALSE	FALSE	0	13	6.5
06-Jul-17	RTUA	Nippersink		08:45	RTUA-3	12	FALSE	FALSE	0	13	5
24-Aug-17	RTUA	Nippersink		08:00	RTUA-1	14	FALSE	FALSE	0	13	7
24-Aug-17	RTUA	Nippersink		08:38	RTUA-3	15	FALSE	FALSE	0	13	5
03-Oct-17	RTUA	Nippersink		10:10	RTUA-1	14	FALSE	FALSE	0	12	6.5
03-Oct-17	RTUA	Nippersink		10:20	RTUA-2	11	FALSE	FALSE	1	12	2.5
03-Oct-17	RTUA	Nippersink		10:30	RTUA-3	13	FALSE	FALSE	0	12	4.5
22-Jun-17	RTQ	Grass		09:05	RTQ-1	11	FALSE	FALSE	0	13	4
22-Jun-17	RTQ	Grass		09:20	RTQ-2	12	FALSE	FALSE	0	13	4
06-Jul-17	RTQ	Grass		08:55	RTQ-1	10	FALSE	FALSE	0	13	4
06-Jul-17	RTQ	Grass		09:10	RTQ-2	10	FALSE	FALSE	0	13	4
24-Aug-17	RTQ	Grass		09:00	RTQ-1	10	FALSE	FALSE	0	13	4
24-Aug-17	RTQ	Grass		09:10	RTQ-2	12	FALSE	FALSE	0	13	3.5
20-Sep-17	RTQ	Grass		11:00	RTQ-1	14	FALSE	FALSE	0	13	14
20-Sep-17	RTQ	Grass		11:15	RTQ-2	15	FALSE	FALSE	0	13	4
20-Sep-17	RTQ	Grass		11:35	RTQ-3	12	FALSE	FALSE	1	13	3
29-May-17	RGB	Diamond	Invasive weed treatment this week	13:00	RGB-1	69	FALSE	FALSE	0	12	21.5
29-May-17	RGB	Diamond	Invasive weed treatment this week	12:20	RGB-2	66	FALSE	FALSE	1	12	12
29-May-17	RGB	Diamond	Invasive weed treatment this week	11:59	RGB-3	54	FALSE	FALSE	2	12	6.5
25-Jun-17	RGB	Diamond		13:30	RGB-1	26	FALSE	FALSE	-1	12	22.5
25-Jun-17	RGB	Diamond		13:15	RGB-2	26	FALSE	FALSE	-1	12	11
25-Jun-17	RGB	Diamond		12:45	RGB-3	30	FALSE	FALSE	0	12	8
25-Jun-17	RGB	Diamond		13:30	RGB-1	26	FALSE	FALSE	-1	12	22.5
25-Jun-17	RGB	Diamond		13:15	RGB-2	26	FALSE	FALSE	-1	12	11
25-Jun-17	RGB	Diamond		12:45	RGB-3	30	FALSE	FALSE	0	12	8
31-Jul-17	RGB	Diamond	lake at normal level	15:50	RGB-1	14	FALSE	FALSE	0	12	23
31-Jul-17	RGB	Diamond	lake at normal level	15:35	RGB-2	12	FALSE	FALSE	0	12	11
31-Jul-17	RGB	Diamond	lake at normal level	15:42	RGB-3	12	FALSE	FALSE	0	7	7.5
28-Aug-17	RGB	Diamond		15:04	RGB-1	12	FALSE	FALSE	0	0	22
30-Aug-17	RGB	Diamond		13:17	RGB-1	13	FALSE	FALSE	0	12	22
30-Aug-17	RGB	Diamond		15:59	RGB-2	14	FALSE	FALSE	0	12	12

Sample Date	Lake Code	Waterbody	Management	Sample Time	Station Id	Secchi Depth (in)	Secchi on Bottom	Secchi Hidded by Weeds	Plant Coverage	Color	Total Depth (ft)
30-Aug-17	RGB	Diamond		12:31	RGB-3	11	FALSE	FALSE	0	10	7
18-Sep-17	RGB	Diamond		16:45	RGB-1	11	FALSE	FALSE	0	8	22
18-Sep-17	RGB	Diamond		17:34	RGB-2	13	FALSE	FALSE	0	12	10
18-Sep-17	RGB	Diamond		17:15	RGB-3	12	FALSE	FALSE	0	14	10
18-Sep-17	RGB	Diamond		16:45	RGB-1	11	FALSE	FALSE	0	8	22
18-Sep-17	RGB	Diamond		17:34	RGB-2	13	FALSE	FALSE	0	12	10
18-Sep-17	RGB	Diamond		17:15	RGB-3	12	FALSE	FALSE	0	14	10