

Lake Water Quality 2006 Annual Report

FOX LAKE

Dodge County

Waterbody Number: 835800

Lake Type: DRAINAGE

DNR Region: SC

GEO Region: SE

Site Name	Storet #
FOX LAKE - DEEP HOLE	143123

Date	SD (ft)	SD (m)	Hit Bottom	CHL	TP	TSI (SD)	TSI (CHL)	TSI (TP)	Lake Level	Clarity	Color	Perception
05/22/2006	6.5	2	N			50			HIGH	CLEAR	BROWN	2
06/28/2006	3	0.9	N	45.6	72	61	64	61	NORMAL	MURKY	BROWN	3
07/26/2006	3	0.9	N	57.1	80	61	65	62	NORMAL	MURKY	GREEN	3
08/02/2006	1.5	0.5	N	74.5	79	71	67	62	NORMAL	MURKY	GREEN	4
08/27/2006	2.5	0.8	N			64			HIGH	MURKY	GREEN	3
08/30/2006	3	0.9	N	46.7	81	61	64	62	HIGH	MURKY	GREEN	3
09/27/2006	2	0.6	N	43.3	95	67	63	63	HIGH	MURKY	GREEN	2

06/28/2006		
Depth	Temp.	D.O.
FEET	DEGREES F	mg/l
3	71	9
6	70.8	9
9	70.7	9
12	70.7	8
15	70.5	8

07/26/2006		
Depth	Temp.	D.O.
FEET	DEGREES F	mg/l
3	77.3	7
6	77	7
9	76.8	7
12	76.8	7
15	76.8	6

08/02/2006		
Depth	Temp.	D.O.
FEET	Deg. C	mg/l
0	28.8	9
3	28.5	8.2
6	28.4	7.3
9	28.1	7
12	26.6	.8
15	25.8	.1

08/30/2006		
Depth	Temp.	D.O.
FEET	DEGREES F	mg/l
3	73	8
6	73	8
9	72	8
12	72	7
15	72	7

09/27/2006		
Depth	Temp.	D.O.
FEET	DEGREES F	mg/l
3	59.5	9
6	59.5	9
9	59.5	9
12	59.5	9
15	59.5	9

Date	Collector Comments
05/22/2006	Hazy- cool and windy
06/28/2006	Hazy and cool - lots of plants
07/26/2006	Sunny and hot algal bloom
08/02/2006	50% cloud cover- wind 1 mph from W- sample point total depth 16 feet
08/27/2006	Agal Bloom
08/30/2006	cloudy- windy and cool

Date	Lab Comments
08/02/2006	NO COLLECTION DATE- RESULT APPROXIMATE

Date	Data Collectors	Project
05/22/2006	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
06/28/2006	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
07/26/2006	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
08/02/2006	Carl Molter	Long Term Trend Monitoring
08/27/2006	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
08/30/2006	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
09/27/2006	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE

SD = Secchi depth measured in feet converted to meters; Chl = Chlorophyll a in micrograms per liter(ug/l); TP = Total phosphorus in ug/l, surface sample only; TSI(SD), TSI(CHL), TSI(TP) = Trophic state index based on SD, CHL, TP respectively; Depth measured in feet.

Wisconsin Department of Natural Resources

Wisconsin Lakes Partnership

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Site Name	Storet #
FOX LAKE - DEEP HOLE	143123

Date	SD (ft)	SD (m)	Hit Bottom	CHL	TP	TSI (SD)	TSI (CHL)	TSI (TP)	Lake Level	Clarity	Color	Perception
02/23/2005				1.95	244	40	71					
02/23/2005				.64	360	31	74					
03/23/2005				.68	167	32	68					
03/23/2005				6.38	252	49	71					
04/27/2005				2.85	149	43	67					
04/27/2005					141		66					
05/16/2005				3.51	143	44	67					
05/16/2005	5.5	1.7	N			53			NORMAL	CLEAR	BROWN	2
05/16/2005					174		68					
05/30/2005	9	2.7	N			45			NORMAL	CLEAR	BROWN	1
05/31/2005				1.14	125	36	66					
05/31/2005				1.3	126	37	66					
06/09/2005	3.5	1.1	N			59			NORMAL	MURKY	GREEN	3
06/15/2005					177		68					
06/15/2005				16.4	171	56	68					
06/24/2005	8.5	2.6	N			46			LOW	CLEAR	GREEN	2
06/28/2005				7.16	205	50	69					
06/28/2005	6	1.8	N			51			LOW	CLEAR	BROWN	2
06/29/2005				7.05	211	50	70					
07/07/2005	5	1.5	N			54			LOW	MURKY	BROWN	3
07/12/2005					192		69					
07/12/2005				5.89	100	48	64					
07/26/2005				26.2	141	59	66					
07/26/2005				26.5	144	60	67					
07/29/2005	4.5	1.4	N			55			LOW	MURKY	BROWN	2
08/01/2005				20.8	106	58	64					

08/01/2005	5	1.5 N	54		LOW	MURKY BROWN	2
08/10/2005			29.9	107	60	64	
08/10/2005	3.5	1.1 N	59		LOW	CLEAR GREEN	2
08/10/2005			117		65		
08/24/2005			77		62		
08/24/2005			88.3	99	69	64	
09/07/2005			49.2	66	64	61	
09/07/2005	2	0.6 N	67		LOW	MURKY GREEN	4
09/08/2005			59.1	64	66	60	
10/10/2005			64.3	81	66	62	
10/10/2005	3	0.9 N	61		LOW	CLEAR GREEN	2
10/27/2005			13.3	66	54	61	
11/10/2005			22.3	82	58	62	

05/16/2005		
Depth	Temp.	D.O.
FEET	Deg. F	mg/l
3	55	8
6	55	8
9	53	8
12	53	7
15	52	7

06/28/2005		
Depth	Temp.	D.O.
FEET	Deg. F	mg/l
3	80	7
6	80	7
9	80	7
12	78	7
15	78	5

08/01/2005		
Depth	Temp.	D.O.
FEET	Deg. F	mg/l
3	78	8
6	77	8
9	77	7
12	76	7
15	76	7

09/07/2005		
Depth	Temp.	D.O.
FEET	Deg. F	mg/l
3	74	8
6	74	8
9	72	7
12	72	7
15	71	6

10/10/2005		
Depth	Temp.	D.O.
FEET	Deg. F	mg/l
3	57	10
6	57	10
9	57	9
12	57	9
15	56	8.5

Date	Collector Comments
02/23/2005	DEEP HOLE - 1 METER
02/23/2005	DEEP HOLE - 4 METERS
03/23/2005	DEEP HOLE - 1M
03/23/2005	DEEP HOLE - 4M
04/27/2005	DEEP HOLE - 1M
04/27/2005	DEEP HOLE - 4M
05/16/2005	DEEP HOLE
05/16/2005	DEEP HOLE - 1M
05/16/2005	DEEP HOLE - 4M
05/16/2005	Overcast and calm. Low boat traffic.
05/30/2005	Beautiful - sunshine and calm. Reading taken prior to heavy boat traffic.
05/31/2005	1 METER (KEMMER BOTTLE)
05/31/2005	4 METERS (KEMMER BOTTLE)
06/09/2005	Lake stirred up by boat traffic.
06/15/2005	DEEP HOLE - 1M (KEMMER BOTTLE)
06/15/2005	DEEP HOLE - 4M (KEMMER BOTTLE)
06/24/2005	Cloudy - light wind. Moderate boat traffic.
06/28/2005	DEEP HOLE
06/28/2005	Overcast - slight breeze. Moderate boat traffic.
06/29/2005	KEMMER BOTTLE
07/07/2005	Hot- calm. Moderate algae bloom.
07/12/2005	KEMMER BOTTLE
07/26/2005	KEMMER BOTTLE
07/29/2005	Windy- low boat traffic.
08/01/2005	DEEP HOLE
08/01/2005	Sunny- hot. Slight breeze. No boat traffic.
08/10/2005	Calm- warm. Low boat traffic.
08/10/2005	KEMMER BOTTLE
08/24/2005	KEMMER BOTTLE
09/07/2005	DEEP HOLE
09/07/2005	Overcast- calm. Algal bloom.
09/08/2005	KEMMER BOTTLE
10/10/2005	DEEP HOLE

Date	Lab Comments
03/23/2005	MATRIX DUPLICATE QC EXCEEDED
06/29/2005	SAMPLE RECEIVED WITH ICE MELTED
07/12/2005	SAMPLE RECEIVED WITH ICE MELTED
10/27/2005	MATRIX SPIKE QC EXCEEDED
10/27/2005	MATRIX SPIKE QC EXCEEDED BY 0.1%
10/27/2005	METHOD BLANK EXCEEDED LOD CRITERIA
11/10/2005	MATRIX DUPLICATE Q.C. EXCEEDED
11/10/2005	METHOD BLANK EXCEEDED LOD CRITERIA

Date	Data Collectors	Project
02/23/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
02/23/2005	_ Clifford	LAKE PROTECTION GRANTS
03/23/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
03/23/2005	_ Clifford	LAKE PROTECTION GRANTS
04/27/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
04/27/2005	_ Clifford	LAKE PROTECTION GRANTS
05/16/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
05/16/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
05/16/2005	_ Clifford	CLMN AT FOX LAKE; DEEP HOLE
05/30/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
05/31/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
05/31/2005	_ Clifford	LAKE PROTECTION GRANTS
06/09/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
06/15/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
06/15/2005	_ Clifford	LAKE PROTECTION GRANTS
06/24/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
06/28/2005	DATA MIGRATION	CLMN AT FOX LAKE; DEEP HOLE
06/28/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
06/29/2005	SUSAN GRAHAM	LAKE PROTECTION GRANTS
07/07/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
07/12/2005	SUSAN GRAHAM	Lake Protection Grants
07/12/2005	_ Clifford	Lake Protection Grants
07/26/2005	SUSAN GRAHAM	Lake Protection Grants
07/26/2005	_ Clifford	Lake Protection Grants
07/29/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
08/01/2005	DATA MIGRATION	CLMN AT FOX LAKE; DEEP HOLE

08/01/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
08/10/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
08/10/2005	SUSAN GRAHAM	Lake Protection Grants
08/10/2005	_ Clifford	Lake Protection Grants
08/24/2005	SUSAN GRAHAM	Lake Protection Grants
08/24/2005	_ Clifford	Lake Protection Grants
09/07/2005	DATA MIGRATION	CLMN AT FOX LAKE; DEEP HOLE
09/07/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
09/08/2005	SUSAN GRAHAM	Lake Protection Grants
10/10/2005	DATA MIGRATION	CLMN AT FOX LAKE; DEEP HOLE
10/10/2005	Dennis Vander Werff	CLMN AT FOX LAKE; DEEP HOLE
10/27/2005	SUSAN GRAHAM	Lake Protection Grants
11/10/2005	SUSAN GRAHAM	Lake Protection Grants

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