

SUMMARY FISHING RECORD
Form 3600-63

Department of Natural Resources

County Rusk	Waters Island MWBC: 2350200
Sampling Objective Walleye Recruitment Survey	Number and Locations of Stations (Habitat)
Period Fished (Dates) 09/24/14	Miles Actually Shocked = 5.8 Acres = 526 Total Miles of Shoreline = 5.8 Total Miles of Shockable Shoreline = 5.8 Source LM LM LM LM

GEAR

Boomshocker (Hours) 1.8	Time √ Night Day			
Visual Hours	Time of Day	Haul Seine (Length)	Mesh Size	Area Covered
Angling (Hours)	Time of Day	Trap Net (No. of Net Lifts)	Mesh Size	Depth
Minnow Seine (No. of Hauls)	Area Covered	Gill Net (No. of Feet x No. of Lifts)	Mesh Size	Depth
Other (Hours or Lifts) Boomshocker(s) 1 Dip Netter(s) 2	Mini-boomshocker(s) Dip Netter(s)	Characteristics Walleye Recruitment Code: ST		

FISHING RESULTS

Species	No.	Modal Size(s)	Size Range	Catch/Unit	
Walleye (Age 0+)	0			0.00 / hour	0.00 / mile
Sems Index	0.00 YOY / acre				
Walleye (Age 1+)	7	None	7.6 - 9.1	3.89 / hour	1.21 / mile
Walleye (Other)	14	19.0 - 19.4	11.1 - 20.9	7.78 / hour	2.41 / mile
Smallmouth Bass	0			0.00 / hour	0.00 / mile
Largemouth Bass	38	8.0 - 8.4	5.5 - 19.4	21.11 / hour	6.55 / mile
Muskellunge	1	None	37.5 - 37.9	0.56 / hour	0.17 / mile
Northern Pike	10	None	22.0 - 32.4	5.56 / hour	1.72 / mile

OBSERVATIONS

Other Species	Abundance	Size Range	Other Species	Abundance	Size Range

1) Tank Mortality: None 2) Weather: Overcast, Breeze, Warm 3) Reliability: Medium

4) Stocking: 166 Largemouth Bass, 0.0 inches, 06/12/14, DNR

5) Comments: All gamefish targeted and collected.

Rev 10-70 Signed (Compiler) Gene Hatzenbeler Date 11/26/14

LAKE ELECTROFISHING DATA COLLECTION SHEET (FALL)
Form 3600A-191 8-95

Department of Natural Resources

Lake: Island MWB Code: 2350200 Date: 09/24/14 County: Rusk Collector(s): Brecka, Christner, Gorne

Target Fish: All Gamefish Survey Type: CPE Mark Given: None Water Temperature: 60°F Station: Entire Shoreline

Adverse Conditions: None Gear Type: Boomshocker Distance Shocked: 5.8 miles

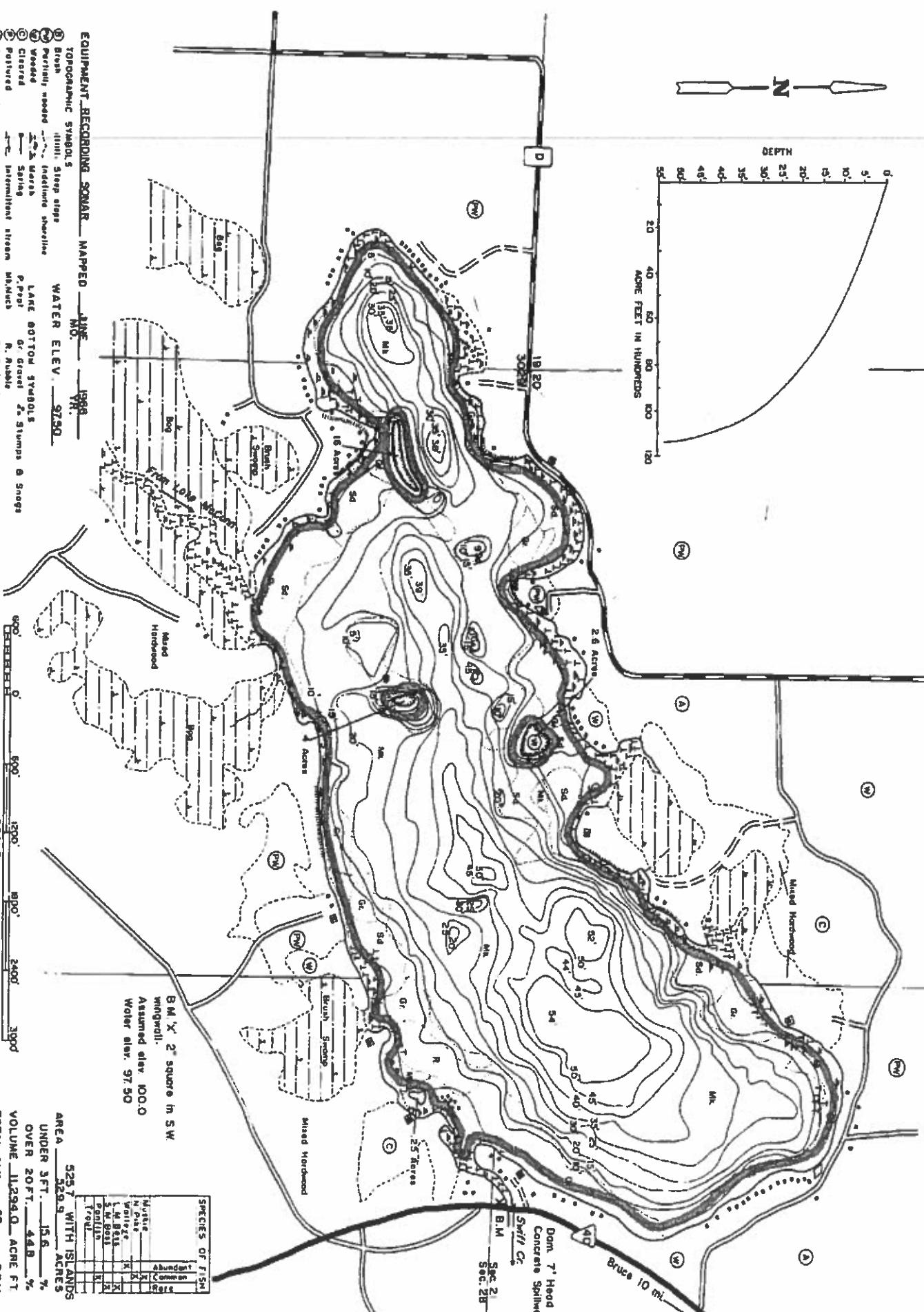
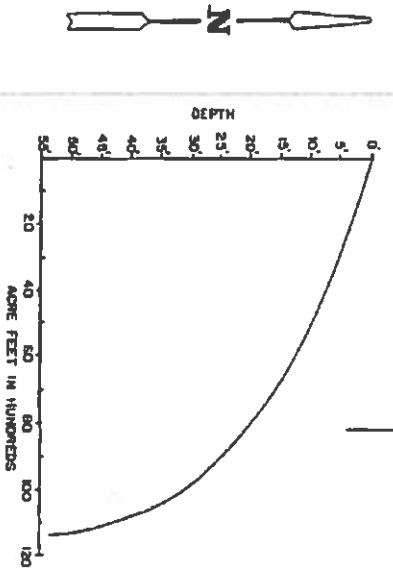
Volts: 225 Amps: 5.0 Current Type: [X]AC []DC []Pulsed DC Pulse Rate: None Duty Cycle: None

Shocking Start Time: 1915 Shocking End Time: NA Generator Start Hour: 49.8 Generator End Hour: 51.6

Number of Dippers: []I [X]2 Entire Shoreline Shocked: [X]Y []N []I Dipnet Mesh Size: 3/8 inch bar H2O Clarity: NA

Walleye < 12.0"			
Inches	Number	Inches	Number
<3.0		7.5	
3.0		7.6	1
3.1		7.7	
3.2		7.8	
3.3		7.9	
3.4		8.0	
3.5		8.1	1
3.6		8.2	
3.7		8.3	
3.8		8.4	
3.9		8.5	1
4.0		8.6	1
4.1		8.7	1
4.2		8.8	
4.3		8.9	
4.4		9.0	1
4.5		9.1	1
4.6		9.2	
4.7		9.3	
4.8		9.4	
4.9		9.5	
5.0		9.6	
5.1		9.7	
5.2		9.8	
5.3		9.9	
5.4		10.0	
5.5		10.1	
5.6		10.2	
5.7		10.3	
5.8		10.4	
5.9		10.5	
6.0		10.6	
6.1		10.7	
6.2		10.8	
6.3		10.9	
6.4		11.0	
6.5		11.1	2
6.6		11.2	
6.7		11.3	
6.8		11.4	1
6.9		11.5	
7.0		11.6	
7.1		11.7	
7.2		11.8	
7.3		11.9	
7.4		Total:	10

Inches	Walleye	Northern Pike	Muskellunge	Largemouth Bass	Smallmouth Bass	Inches	Walleye	Northern Pike	Muskellunge
<1.5						24.5-24.9			
1.5-1.9						25.0-25.4	1		
2.0-2.4						25.5-25.9			
2.5-2.9						26.0-26.4		1	
3.0-3.4						26.5-26.9	1	1	
3.5-3.9						27.0-27.4		1	
4.0-4.4						27.5-27.9		1	
4.5-4.9						28.0-28.4			
5.0-5.4						28.5-28.9		1	
5.5-5.9				1		29.0-29.4		1	
6.0-6.4				1		29.5-29.9			
6.5-6.9						30.0-30.4			
7.0-7.4				1		30.5-30.9		1	
7.5-7.9						31.0-31.4			
8.0-8.4				4		31.5-31.9			
8.5-8.9				3		32.0-32.4		1	
9.0-9.4				1		32.5-32.9			
9.5-9.9				1		33.0-33.4			
10.0-10.4				1		33.5-33.9			
10.5-10.9				1		34.0-34.4			
11.0-11.4				1		34.5-34.9			
11.5-11.9						35.0-35.4			
12.0-12.4				2		35.5-35.9			
12.5-12.9	1			2		36.0-36.4			
13.0-13.4						36.5-36.9			
13.5-13.9				1		37.0-37.4			
14.0-14.4				2		37.5-37.9			
14.5-14.9				2		38.0-38.4			1
15.0-15.4				3		38.5-38.9			
15.5-15.9				2		39.0-39.4			
16.0-16.4				3		39.5-39.9			
16.5-16.9				1		40.0-40.4			
17.0-17.4	1			2		40.5-40.9			
17.5-17.9						41.0-41.4			
18.0-18.4	1			2		41.5-41.9			
18.5-18.9						42.0-42.4			
19.0-19.4	4			1		42.5-42.9			
19.5-19.9	2					43.0-43.4			
20.0-20.4	1					43.5-43.9			
20.5-20.9	1					44.0-44.4			
21.0-21.4						44.5-44.9			
21.5-21.9						45.0-45.4			
22.0-22.4		1				45.5-45.9			
22.5-22.9						46.0-46.4			
23.0-23.4		1				47.0-47.4			
23.5-23.9						48.0-48.4			
24.0-24.4						49.0-49.4			
Totals:	13	10	1	38	0	50.0+			



- EQUIPMENT RECORDING SONAR MAPPED _____ 1968
- TOPOGRAHIC SYMBOLS
- ① Grass
 - ② Perennial meadow
 - ③ Wooded
 - ④ Cleared
 - ⑤ Pastured
 - ⑥ Agricultural
 - ⑦ BM bench mark
 - ⑧ Outlines
 - ⑨ Reservoir
- LAND USE SYMBOLS
- Step slope
 - Interlocking shoreline
 - Marsh
 - Spring
 - Intermittent stream
 - Permanent inlet
 - Permanent outlet
 - Dam
- WATER ELEV. 97.50
- LATE BOTTOM SYMBOLS
- P. Pebb
 - C. Clay
 - S4 Sand
 - S1. Silt
 - Gr. Gravel
 - St. Shale
 - T. Submerged vegetation
 - E. Emergent vegetation
 - F. Floating vegetation

Access

Access with Parking

Boat Liery

Scale: 0 500 1000 1500 2000 2500 3000

Drawn by C. Holt

B.M. X' 2" square in SW
Assumed elev. 100.0
Water elev. 97.50

SPECIES OF FISH

Species	Abundant	Common	Rare
Muskie	X		
N. Pike	X		
Walleye	X		
L.M. Bass	X		
S.M. Bass	X		
Trout	X		

525.7 WITH ISLANDS

AREA 529.9 ACRES

UNDER 3 FT. 15.6 %

OVER 20 FT. 44.8 %

VOLUME 11,294.0 ACRE FT

TOTAL ALK. 68 P.M

SHORELINE 5.8 MILES

MAX. DEPTH 54 FEET

LAKE ELECTROFISHING DATA COLLECTION SHEET (FALL)
Form 3600A-191

Department of Natural Resources

8-95

Lake: Chain MWB Code: 2350500 Date: 09/24/14 County: Rusk Collector(s): Rood, Hatzenbeler, Sunderland

Target Fish: All Gamefish Survey Type: CPE Mark Given: None Water Temperature: 62°F Station: Portion of Shoreline

Adverse Conditions: None Gear Type: Boomshocker Distance Shocked: 6.6 miles

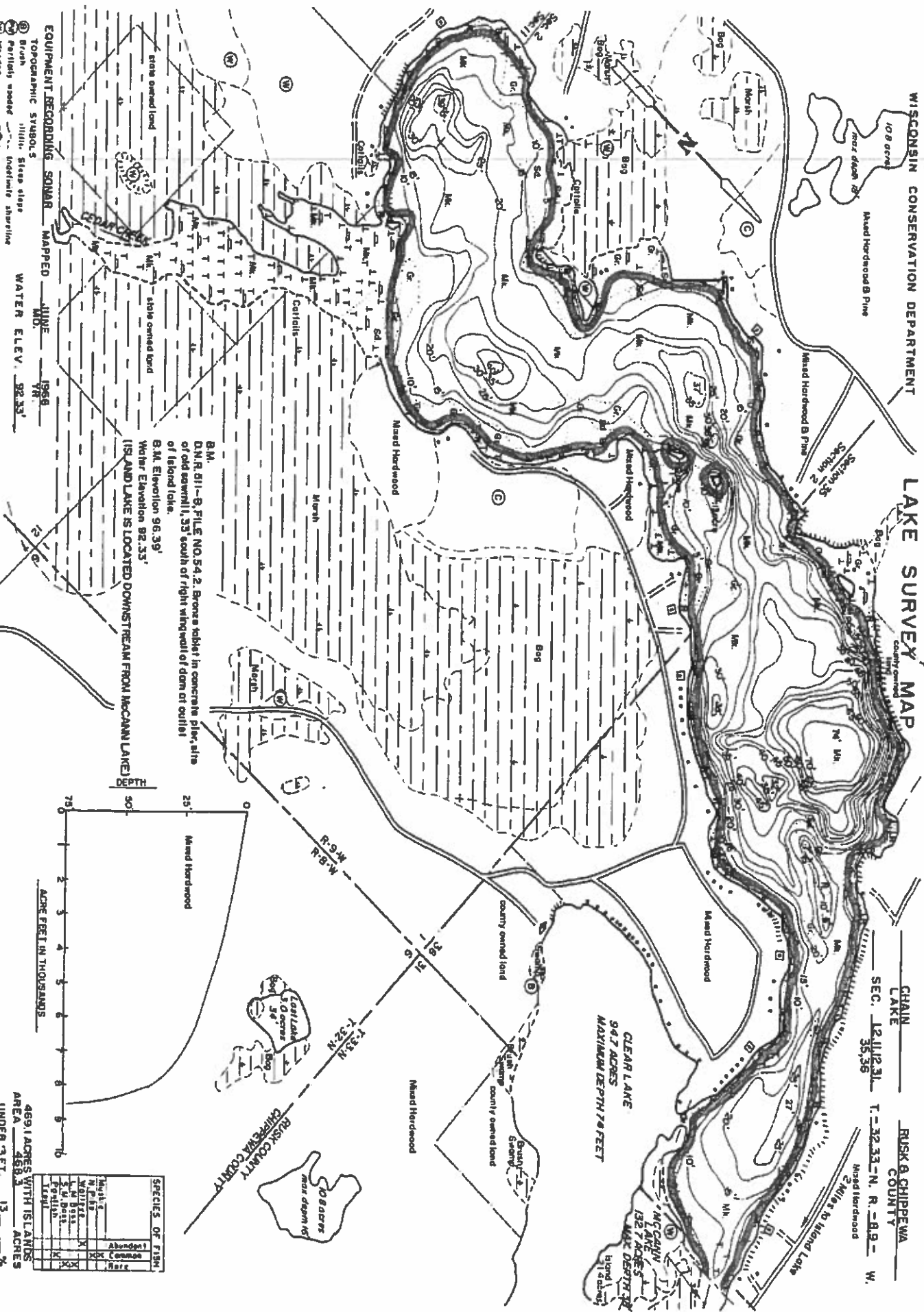
Volts: 210 Amps: 3.8 Current Type: [X]AC []DC []Pulsed DC Pulse Rate: None Duty Cycle: None

Shocking Start Time: 1922 Shocking End Time: 2145 Generator Start Hour: 300.6 Generator End Hour: 302.8

Number of Dippers: []1 [X]2 Entire Shoreline Shocked: []Y [X]N []I Dipnet Mesh Size: 3/8 inch bar H2O Clarity: Turbid

Walleye < 12.0"			
Inches	Number	Inches	Number
<3.0		7.5	
3.0		7.6	
3.1		7.7	1
3.2		7.8	
3.3		7.9	
3.4		8.0	2
3.5		8.1	1
3.6		8.2	2
3.7		8.3	1
3.8		8.4	1
3.9		8.5	
4.0		8.6	1
4.1		8.7	
4.2		8.8	
4.3		8.9	
4.4		9.0	
4.5		9.1	
4.6		9.2	1
4.7		9.3	
4.8		9.4	
4.9		9.5	1
5.0		9.6	
5.1		9.7	1
5.2		9.8	
5.3		9.9	
5.4		10.0	1
5.5		10.1	
5.6		10.2	
5.7		10.3	
5.8		10.4	
5.9		10.5	
6.0		10.6	
6.1		10.7	
6.2		10.8	
6.3		10.9	
6.4		11.0	
6.5		11.1	
6.6		11.2	
6.7		11.3	
6.8		11.4	
6.9		11.5	
7.0		11.6	
7.1		11.7	
7.2		11.8	
7.3		11.9	
7.4		Total:	13

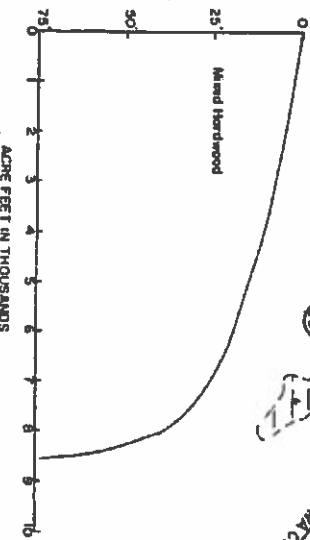
Inches	Walleye	Northern Pike	Muskellunge	Largemouth Bass	Smallmouth Bass	Inches	Walleye	Northern Pike	Muskellunge
<1.5						24.5-24.9			
1.5-1.9						25.0-25.4			
2.0-2.4						25.5-25.9			
2.5-2.9						26.0-26.4		2	
3.0-3.4						26.5-26.9			
3.5-3.9						27.0-27.4			1
4.0-4.4						27.5-27.9			
4.5-4.9						28.0-28.4			
5.0-5.4						28.5-28.9			
5.5-5.9				3		29.0-29.4			
6.0-6.4				2		29.5-29.9			
6.5-6.9						30.0-30.4			
7.0-7.4						30.5-30.9			
7.5-7.9				2		31.0-31.4			
8.0-8.4				1		31.5-31.9			
8.5-8.9				2	1	32.0-32.4			
9.0-9.4				3		32.5-32.9			
9.5-9.9						33.0-33.4			
10.0-10.4						33.5-33.9			
10.5-10.9				1		34.0-34.4			
11.0-11.4				1		34.5-34.9			
11.5-11.9						35.0-35.4			
12.0-12.4	2					35.5-35.9			
12.5-12.9				2		36.0-36.4			
13.0-13.4						36.5-36.9			
13.5-13.9	1			1		37.0-37.4			
14.0-14.4	1	1		1		37.5-37.9			
14.5-14.9				2		38.0-38.4			
15.0-15.4	1					38.5-38.9			
15.5-15.9				1		39.0-39.4			
16.0-16.4				1		39.5-39.9			
16.5-16.9		1		2		40.0-40.4			
17.0-17.4						40.5-40.9			
17.5-17.9				1		41.0-41.4			
18.0-18.4	1					41.5-41.9			
18.5-18.9	1	1		1		42.0-42.4			
19.0-19.4	1	2				42.5-42.9			
19.5-19.9	1					43.0-43.4			
20.0-20.4	1	1				43.5-43.9			
20.5-20.9	2					44.0-44.4			
21.0-21.4	2	2	1			44.5-44.9			
21.5-21.9		1				45.0-45.4			
22.0-22.4						45.5-45.9			
22.5-22.9						46.0-46.9			
23.0-23.4						47.0-47.9			
23.5-23.9						48.0-48.9			
24.0-24.4		1				49.0-49.9			
Totals:	14	12	2	27	1	50.0+			



EQUIPMENT RECORDING SONAR MAPPED
JUNE 1968
WATER ELEV. 92.33'

- TOPOGRAPHIC SYMBOLS**
- ① Brush
 - ② Partly wooded
 - ③ Cleared
 - ④ Pasture
 - ⑤ Agricultural
 - ⑥ Dam
 - ⑦ Reservoir
 - ⑧ Steep slope
 - ⑨ Shallow
 - ⑩ Intermittent stream
 - ⑪ Permanent inlet
 - ⑫ Perennial outlet
 - ⑬ Dam
 - ⑭ Floating vegetation
- LAKE BOTTOM SYMBOLS**
- P. Peat
 - G. Gravel
 - R. Rubble
 - C. Clay
 - S. Sand
 - St. Silt
 - S. Stumps & Snags

B.M. 811-B, FILE NO. 54.2. Bronze table in concrete pier, site of old dam, 1.33' south of right wing wall of dam on outlet of Island lake.
B.M. Elevation 96.39'
Water Elevation 92.33'
(ISLAND LAKE IS LOCATED DOWNSTREAM FROM MCCANN LAKE)



SPECIES OF FISH		Abundance
Species	Count	Change
Walleye	X	X
Whitefish	X	X
Yellow perch	X	X
Rock Bass	X	X
Smallmouth Bass	X	X
Spottail	X	X
Trout	X	X

489.1 ACRES WITH ISLANDS
AREA 488.3 ACRES
OVER 20 FT. 36.5 %
UNDER 3 FT. 13 %
TOTAL ALX. 60 ACRES
SHORELINE 7.9 MILES
MAX. DEPTH 74 FEET

500' 1000' 1500' 2000' 2500' 3000'
Field cuts by C. Bunker, A. W. L. Bunker. Drawn by J. B. Robinson



Robert Reding <rbrtreiding@gmail.com>

island lake, rusk county water quality testing

2 messages

Robert Reding <rbrtreiding@gmail.com>

Wed, Nov 26, 2014 at 12:53 PM

To: craig.roesler@wisconsin.gov

craig, Does any water quality testing results exist for island lake? If so please send or tell how to access..

Smith, Alex R - DNR <Alex.Smith@wisconsin.gov>

Mon, Dec 1, 2014 at 10:51 AM

To: "rbrtreiding@gmail.com" <rbrtreiding@gmail.com>

Good morning Robert,

Here are three links to water quality information for Island Lake, Rusk County. As you will see, the latest data we have is from 2009. We would be interested in recruiting a volunteer for the Deep Hole site. If you know of any one that might be interested have them contact me.

<http://dnr.wi.gov/lakes/CLMN/Station.aspx?id=553069>

<http://dnr.wi.gov/lakes/CLMN/Station.aspx?id=553181>

<http://dnr.wi.gov/lakes/CLMN/Station.aspx?id=10007674>

Best regards,

Alex

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Alex Smith
Lake Biologist – Water Quality Bureau / Water Division
Wisconsin Department of Natural Resources
810 West Maple Street, Spooner, WI 54801
Phone: (715) 635-4124
Fax: (715) 635-4105

Wisconsin Department of Natural Resources

Lake Water Quality 2008 Annual Report

Island Lake

Lake Type: DRAINAGE

Rusk County

DNR Region: NO

Waterbody Number: 2350200

GEO Region: NW

Site Name	Storet #
Island Lake - West Basin	10007674

Date	SD (ft)	SD (m)	Hit Bottom	CHL	TP	TSI (SD)	TSI (CHL)	TSI (TP)	Lake Level	Clarity	Color	Perception
06/01/2008	7.5	2.3				48			NORMAL	CLEAR	GREEN	2-Very minor aesthetic problems
07/13/2008	7.25	2.2				49			LOW	CLEAR	BROWN	2-Very minor aesthetic problems
07/15/2008	7	2.1				49			LOW	CLEAR	BROWN	2-Very minor aesthetic problems
08/17/2008	5.5	1.7				53			LOW	MURKY	GREEN	3-Enjoyment somewhat impaired (algae)
08/24/2008	5	1.5				54			LOW	MURKY	GREEN	3-Enjoyment somewhat impaired (algae)

06/01/2008		
Depth FEET	Temp. DEGREES F	D.O. MG/L
0	63.8	
3	62.7	7
5	62	
10	61.5	7
15	60.6	3
20	53	3
25	47.6	2
30	45.8	2
35	45.8	
40	45.6	
42	45.5	3

07/15/2008		
Depth FEET	Temp. DEGREES F	D.O. MG/L
0	71.6	
3	71.4	6
5	71.2	
10	70.8	5
15	70.5	2
20	61.5	2
25	53	1
30	49.2	0
35	47.8	
40	47.6	
45	47.6	0

08/24/2008		
Depth FEET	Temp. DEGREES F	D.O. MG/L
0	73.4	
3	73.4	8
5	73.4	
10	72.8	6
15	71.9	6
20	63.6	1
25	53.9	0
30	60.1	0
35	48	
40	47.8	1
47.5	47.5	1

Date	Collector Comments
06/01/2008	Clear Sky. 68 Degrees. Slight Breeze. Some Boat Traffic.
07/13/2008	71 Degrees 10-15 MPH Breeze
07/15/2008	Cloudy. 76 Degrees. 5 MPH breeze.
08/17/2008	85 Degrees. Slight Breeze

08/24/2008	Clear Sky. 5 MPH Breeze. 73 Degees. Saw Loon.
------------	---

Date	Data Collectors	Project
06/01/2008	Beth Bettenhausen	Citizen Lake Monitoring - Water Quality - Island Lake; West Basin
07/13/2008	Beth Bettenhausen	Citizen Lake Monitoring - Water Quality - Island Lake; West Basin
07/15/2008	Beth Bettenhausen	Citizen Lake Monitoring - Water Quality - Island Lake; West Basin
08/17/2008	Beth Bettenhausen	Citizen Lake Monitoring - Water Quality - Island Lake; West Basin
08/24/2008	Beth Bettenhausen	Citizen Lake Monitoring - Water Quality - Island Lake; West Basin

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.

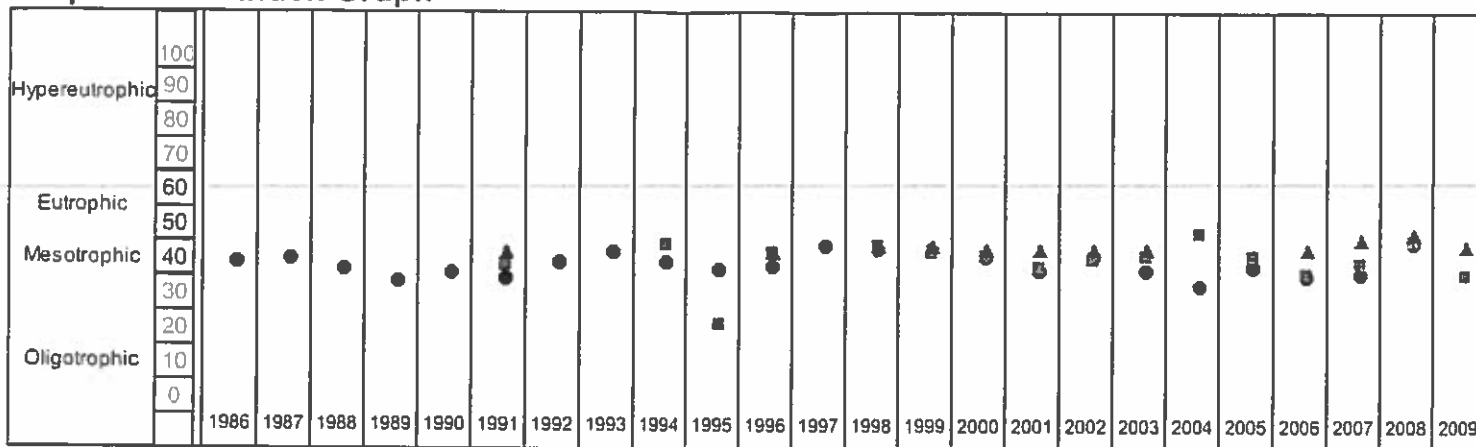
Wisconsin Department of Natural Resources

Wisconsin Lakes Partnership

Report Generated: 12/04/2014

The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621

Trophic State Index Graph



Monitoring Station: Island Lake - Deep Hole, Rusk County
 Past Summer (July-August) Trophic State Index (TSI) averages.

● = Secchi ■ = Chlorophyll ▲ = Total Phosphorus

TSI(Chl) = TSI(TP) = TSI(Sec)	It is likely that algae dominate light attenuation.
TSI(Chl) > TSI(Sec)	Large particulates, such as Aphanizomenon flakes dominate
TSI(TP) = TSI(Sec) > TSI(Chl)	Non-algal particulate or color dominate light attenuation
TSI(Sec) = TSI(Chl) >= TSI(TP)	The algae biomass in your lake is limited by phosphorus
TSI(TP) > TSI(Chl) = TSI(Sec)	Zooplankton grazing, nitrogen, or some factor other than phosphorus is limiting algae biomass

TSI	TSI Description
TSI < 30	Classical oligotrophy: clear water, many algal species, oxygen throughout the year in bottom water, cold water, oxygen-sensitive fish species in deep lakes. Excellent water quality.
TSI 30-40	Deeper lakes still oligotrophic, but bottom water of some shallower lakes will become oxygen-depleted during the summer.
TSI 40-50	Water moderately clear, but increasing chance of low dissolved oxygen in deep water during the summer.
TSI 50-60	Lakes becoming eutrophic: decreased clarity, fewer algal species, oxygen-depleted bottom waters during the summer, plant overgrowth evident, warm-water fisheries (pike, perch, bass, etc.) only.
TSI 60-70	Blue-green algae become dominant and algal scums are possible, extensive plant overgrowth problems possible.
TSI 70-80	Becoming very eutrophic. Heavy algal blooms possible throughout summer, dense plant beds, but extent limited by light penetration (blue-green algae block sunlight).
TSI > 80	Algal scums, summer fishkills, few plants, rough fish dominant. Very poor water quality.

Trophic state index (TSI) is determined using a mathematical formula (Wisconsin has its own version). The TSI is a score from 0 to 110, with lakes that are less fertile having a low TSI. We base the overall TSI on the Chlorophyll TSI when we have Chlorophyll data. If we don't have chemistry data, we use TSI Secchi. We do this rather than averaging, because the TSI is used to predict biomass. This makes chlorophyll the best indicator. Visit Bob Carlson's website, dipin.kent.edu/tsi.htm, for more info.

The Official Internet site for the Wisconsin Department of Natural Resources
 101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621

Wisconsin Department of Natural Resources

Island Lake

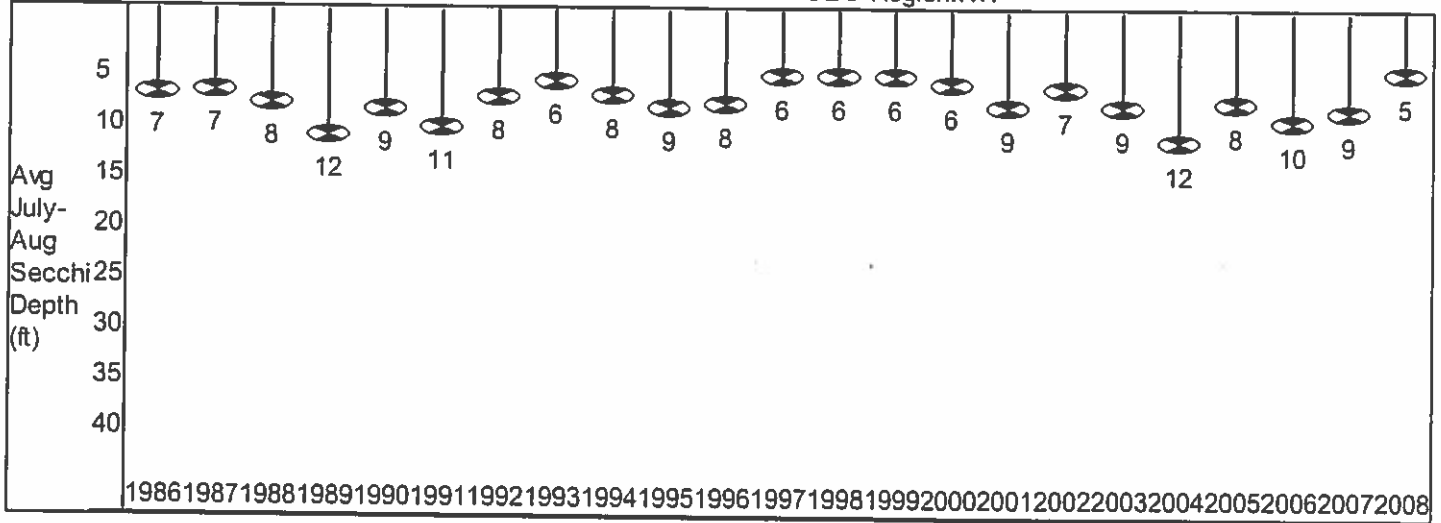
Lake Type: DRAINAGE

Rusk County

DNR Region: NO

Waterbody Number: 2350200

GEO Region: NW



Past secchi averages in feet (July and August only).

Year	Secchi Mean	Secchi Min	Secchi Max	Secchi Count
1986	7.44	6.5	8.25	4
1987	7.13	5	10	4
1988	8.44	7	11	4
1989	11.69	9.25	16.5	4
1990	9	8.25	9.75	4
1991	10.83	9.5	12.5	3
1992	7.71	7	9	6
1993	6.1	4.75	6.75	5
1994	7.67	6	9.25	6
1995	8.75	6.75	10	6
1996	8.38	7.5	8.75	4
1997	5.5	5.25	5.75	2
1998	5.69	5	6	4
1999	5.58	4.75	6.5	3
2000	6.45	5	7.5	5
2001	8.54	6.25	12.75	7
2002	6.71	6	8	6
2003	8.67	8.5	9	3
2004	12	12	12	2
2005	8.25	8	8.5	2

2006	10	10	10	1
2007	9	9	9	1
2008	5.1	4	7	5

Report Generated: 12/04/2014

The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621