

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** EPA\_LAKES\_06-07\_INDEX

**Name:** National Lake Survey - Index Sampling

**Type:** Baseline Monitoring

**Subtype:** Data Gathering

**Status:** ACTIVE

**Start Date:** 9/11/2007

**End Date:** 12/31/2099

**Purpose:** The National Lakes Assessment (NLA) is the first-ever baseline study of the condition of the nation's lakes. It is the latest in a series of surveys of the nation's aquatic resources being conducted by EPA and its state and tribal partners. The NLA provides unbiased estimates of the condition of natural and man-made freshwater lakes, ponds, and reservoirs greater than 10 acres and at least one meter deep. Using a statistical survey design, lakes were selected at random to represent the condition of the larger population of lakes across the lower 48 states. A total of 1,028 lakes were sampled for the NLA during summer 2007, representing the condition of about 50,000 lakes nationwide. The Great Lakes and Great Salt Lake were not included in the survey. Field crews collected samples using the same methods at all lakes to ensure that results can be compared across the country. Researchers processed and analyzed 680,000 measurements, including indicators of water quality such as nutrients, dissolved oxygen and algal density; biological indicators such as phytoplankton and zooplankton (algae and microscopic animals); recreational indicators such as algal toxins and pathogens; and physical habitat indicators such as lakeshore and shallow water habitat cover.

**Objective:**

**Comments:**

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Garn, Herb	TEAM_MEMBER	ACTIVE	7/12/2007		USGS	
Manteufel, Bridgett	TEAM_MEMBER	ACTIVE	7/12/2007		USGS	

### Project Statuses

Date	Reported By	Status	Comments
3/29/2015	Lisa Helmuth	Complete	

### Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Baseline Survey	baseline study of the condition of the nation's lakes	9/11/2007	12/31/2099	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
643366	Afterglow Lake - Deep Hole	
443052	Aldridge Lake - Deep Hole	

## Wisconsin Department of Natural Resources SWIMS Project Summary

013037	Arrowhead Lake - Deepest Point In Lake Just Above Dam (#5)	
043120	Atkins Lake - Deep Hole	
10020976	Bashaw Lake - Deepest Spot	
433300	Berry Lake - Deep Hole	
10021024	Big Crooked Lake - Deepest Spot	
583227	Blueberry Lake - Deepest Spot	Monitored by a tribe
10020974	Briggs Lake - Deepest Spot	
10020984	Buckskin Lake - Deepest Spot	
613121	Chequamegon Waters Flowage - Deep Hole	
10020979	Chippewa Lake - Deepest Spot	
434004	Christie Lake - Deepest Point	
10021167	Christie Lake - Near Christie Lake Landing	Due to motor troubles as we got onto the lake, this station was sampled instead of the Deep Hole station on Christie Lake.
443079	Crooked Lake - Deep Hole	
643128	Crystal Lake - Deep Hole	
353119	Echo Lake - Deep Hole	
193013	Ellwood Lake - Deep Hole	
10020985	Fox Lake - Deepest Spot	
383277	Glen Lake - Deep Hole	
243021	Green Lake - East End Basin - Deep Hole (USGS)	
043093	Half Moon Lake (T47 R08w S17) - Deep Hole	
493099	Half Moon Lake - Deep Hole	
643068	Haskell Lake - Deep Hole	Monitored by a tribe
583146	Lake Helane - Deep Hole	
133122	Lake Kegonsa - Deep Hole	
713278	Lake Poygan - Central (P02)	
713245	Lake Winnebago - 3 Mi Oshkosh	
714005	Lake Winnebago - Deep Hole - North	
603441	Little Elkhart Lake - Deep Hole	
644062	Little Star Lake - Deepest Spot	
10021025	Lost Lake - South - Deepest Spot	
693098	Marl Lake - Deep Hole	
643085	Mcleod Lake - Deep Hole	
203087	Mud Lake - Deep Hole	
10022233	Mud Lake - Deep Hole	

**Wisconsin Department of Natural Resources  
SWIMS Project Summary**

583216	Mud Lake - Deepest Spot	
10020990	Murdock Lake- Deepest Spot	
683139	Oconomowoc Lake - Deep Hole	
213027	Peshtigo Lake - Deep Hole	
10020988	Pleasant Lake - Deepest Spot	
643164	Plum Lake - Site 1-Deep Hole	
713121	Poygan Lake - Deep Spot	
10020972	Price Lake - Deep Hole	
553134	Pulaski Lake - Deep Hole	
693124	Rainbow Lake - Deep Hole	
513206	Riley Lake - Deepest Spot	
343126	Rolling Stone Lake - Deep Hole	
493082	Round Lake - Deep Hole	
493072	Round Lake - Deep Hole	
10020980	Sand Lake - Deepest Spot	
513135	Schnur Lake - Deep Hole	
443260	Soo Lake - Deep Hole	
033172	Spring Lake - Deep Hole	
443049	Swamsauger Lake - Deepest Spot	
113076	Swan Lake - Deep Hole	
523122	Tichigan Lake - Deep Hole	
10021026	Townline Flowage - Deepest Spot	
513144	Tucker Lake - Deep Hole	
10020983	Unnamed Lake - Deepest Spot	
10020991	Unnamed Lake - Deepest Spot	
10020986	Unnamed Lake - Deepest Spot	
303129	Voltz Lake - Deep Hole	
493131	Wapogasset Lake - Site C-SE End-Deep Hole	
164015	Webb Lake - Deepest Point	
073083	Webb Lake - N Basin-Site 2 Deep Hole	
10020981	West Mitchell Lake - Deepest Spot	
443286	Willow Lake - Willow Reservoir - Deepest Spot	

**Assessment Units**

<b>WBIC</b>	<b>Segment</b>	<b>Local Name</b>	<b>Official Name</b>
43700	1	Mud Lake	Mud Lake

**Wisconsin Department of Natural Resources  
SWIMS Project Summary**

46000	1	Little Elkhart Lake	Little Elkhart Lake
131100	1	Lake Winnebago	Lake Winnebago
146100	1	Green Lake (Big Green)	Green Lake
179800	1	Swan Lake	Swan Lake
242800	1	Poygan Lake	Lake Poygan
264100	1	Marl Lake	Marl Lake
265300	1	Rainbow Lake (Chain)	Rainbow Lake
389300	1	Rolling Stone Lake	Rolling Stone Lake
418300	1	Berry Lake	Berry Lake
451000	1	Christe Lake	Christie Lake
581400	1	Peshtigo Lake	Peshtigo Lake
584600	1	Buckskin Lake	Buckskin Lake
627200	1	Glen Lake	Glen Lake
650500	1	Ellwood Lake	Ellwood Lake
746300	1	Voltz Lake	Voltz Lake
763600	1	Tichigan Lake	Tichigan Lake
802600	1	Lake Kegonsa	Lake Kegonsa
849600	1	Oconomowoc Lake	Oconomowoc Lake
967400	1	Aldridge Lake	Aldridge Lake
1018900	1	Soo Lake	Soo Lake
1177200	1	West Mitchell Lake	West Mitchell Lake
1377700	1	Lake Arrowhead	Lake Arrowhead
1415400	1	Berkhahn Flowage	Berkhahn Flowage (Townline)
1488400	1	Echo Lake	Echo Lake
1528300	1	Willow Flowage	Willow Flowage
1528700	1	Swamsauger Lake	Swamsauger Lake
1544000	1	Mud Lake	Mud Lake
1592400	1	Plum Lake	Plum Lake
1593200	1	Little Star Lake	Little Star Lake
1613300	1	Crooked Lake	Crooked Lake
1619600	1	McLeod Lake	McLeod Lake
1624100	1	Afterglow Lake	Afterglow Lake
1835700	1	Blueberry Lake	Blueberry Lake
1842400	1	Crystal Lake (T41n R07e S27)	Crystal Lake
1849500	1	Fox Lake	Fox Lake

## Wisconsin Department of Natural Resources SWIMS Project Summary

1859100	1	Helane Lake	Lake Helane
1875900	1	Pulaski Lake	Pulaski Lake
1882800	1	Spring Lake	Spring Lake
2160700	1	Chequamegon Flowage	Chequamegon Waters Flowage
2234600	1	Price Lake	Price Lake
2263400	1	Riley Lake	Riley Lake
2269000	1	Tucker Lake	Tucker Lake
2284000	1	Schnur Lake	Schnur Lake
2321400	1	Big Crooked Lake	Big Crooked Lake
2431300	1	Chippewa Lake	Chippewa Lake
2434800	1	Mud Lake	Mud Lake
2479700	1	Lost Lake T41n R14w S16	Lost Lake
2484900	1	Murdock Lake	Murdock Lake
2490700	1	Pleasant Lake	Pleasant Lake
2495300	1	Sand Lake	Sand Lake
2597300	1	Un Lake	Unnamed
2599800	1	Webb Lake	Webb Lake
2616400	1	Lake Round (Dwight)	Round Lake
2618000	1	Wapogasset Lake	Wapogasset Lake
2621100	1	Half Moon Lake	Half Moon Lake
2658800	1	Un Lake	Unnamed
2662400	1	Bashaw Lake	Bashaw Lake
2671900	1	Briggs Lake	Briggs Lake
2698300	1	Black Brook Flowage	Unnamed
2705400	1	Webb Lake (Web)	Webb Lake
2734000	1	Atkins Lake	Atkins Lake
2762700	1	Millpond Lake	Half Moon Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
LS001	NATIONAL LAKE SURVEY	7/1/2007	6/30/2008

### Forms

Form Code	Form Name
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

### Methods

## Wisconsin Department of Natural Resources SWIMS Project Summary

Method Code		Method Description		
<b>Fieldwork Events</b>				
Start Date	Status	Field ID	Station ID	Station Name
7/2/2007 11:00	COMPLETE		133122	Lake Kegonsa - Deep Hole
7/3/2007 11:00	COMPLETE		683139	Oconomowoc Lake - Deep Hole
7/5/2007	COMPLETE		303129	Voltz Lake - Deep Hole
7/5/2007 11:00	COMPLETE		523122	Tichigan Lake - Deep Hole
7/9/2007 12:00	COMPLETE		113076	Swan Lake - Deep Hole
7/10/2007 11:00	COMPLETE		603441	Little Elkhart Lake - Deep Hole
7/11/2007	COMPLETE	E2	243021	Green Lake - East End Basin - Deep Hole (USGS)
7/17/2007 10:40	COMPLETE		203087	Mud Lake - Deep Hole
7/18/2007 11:20	COMPLETE		693098	Marl Lake - Deep Hole
7/18/2007 15:40	COMPLETE		693124	Rainbow Lake - Deep Hole
7/19/2007 9:15	COMPLETE		433300	Berry Lake - Deep Hole
7/19/2007 12:00	COMPLETE		434004	Christie Lake - Deepest Point
7/23/2007 14:00	COMPLETE	L-1	613121	Chequamegon Waters Flowage - Deep Hole
7/24/2007 11:00	COMPLETE	L-2	553134	Pulaski Lake - Deep Hole
7/24/2007 15:00	COMPLETE	L-3	033172	Spring Lake - Deep Hole
7/25/2007 11:00	COMPLETE	L-4	493131	Wapogasset Lake - Site C-SE End-Deep Hole
7/25/2007 14:00	COMPLETE	L-5	10020988	Pleasant Lake - Deepest Spot
7/26/2007 10:00	COMPLETE	L-6	493082	Round Lake - Deep Hole
7/26/2007 13:00	COMPLETE	L-7	493099	Half Moon Lake - Deep Hole
7/27/2007 13:00	COMPLETE	L-8	10020976	Bashaw Lake - Deepest Spot
7/28/2007 9:00	COMPLETE	L-9	10020974	Briggs Lake - Deepest Spot
7/28/2007 11:00	COMPLETE	L-10	073083	Webb Lake - N Basin-Site 2 Deep Hole
7/29/2007 13:00	COMPLETE	L-11	10020990	Murdock Lake- Deepest Spot
7/30/2007 10:00	COMPLETE	L-12	10020980	Sand Lake - Deepest Spot
7/30/2007 11:00	COMPLETE		713245	Lake Winnebago - 3 Mi Oshkosh
7/30/2007 12:00	COMPLETE	L-13	043093	Half Moon Lake (T47 R08w S17) - Deep Hole
7/31/2007 9:00	COMPLETE	L-14	10020983	Unnamed Lake - Deepest Spot
7/31/2007 11:00	COMPLETE		013037	Arrowhead Lake - Deepest Point In Lake Just Above Dam (#5)
7/31/2007 14:00	COMPLETE	L-15	10020986	Unnamed Lake - Deepest Spot
8/6/2007 11:00	COMPLETE		043120	Atkins Lake - Deep Hole
8/6/2007 15:15	COMPLETE		10020979	Chippewa Lake - Deepest Spot
8/7/2007 9:45	COMPLETE		583146	Lake Helane - Deep Hole

## Wisconsin Department of Natural Resources SWIMS Project Summary

8/7/2007 12:45	COMPLETE		583216	Mud Lake - Deepest Spot
8/8/2007 9:00	COMPLETE		10020985	Fox Lake - Deepest Spot
8/8/2007 13:10	COMPLETE		513135	Schnur Lake - Deep Hole
8/9/2007 9:35	COMPLETE		10020972	Price Lake - Deep Hole
8/9/2007 13:50	COMPLETE		513206	Riley Lake - Deepest Spot
8/13/2007 12:00	COMPLETE	L-1	443049	Swamsauger Lake - Deepest Spot
8/13/2007 15:00	COMPLETE	L-2	643164	Plum Lake - Site 1-Deep Hole
8/14/2007 8:30	COMPLETE	L-3	643128	Crystal Lake - Deep Hole
8/14/2007 12:00	COMPLETE	L-4	643085	Mcleod Lake - Deep Hole
8/14/2007 14:00	COMPLETE	L-5	443052	Aldridge Lake - Deep Hole
8/15/2007 9:30	COMPLETE	L-6	10021024	Big Crooked Lake - Deepest Spot
8/15/2007 13:00	COMPLETE	L-7	644062	Little Star Lake - Deepest Spot
8/16/2007 10:00	COMPLETE	L-8	443079	Crooked Lake - Deep Hole
8/27/2007 13:30	COMPLETE		353119	Echo Lake - Deep Hole
8/28/2007 12:30	COMPLETE		443286	Willow Lake - Willow Reservoir - Deepest Spot
8/29/2007 11:00	COMPLETE	Q1	343126	Rolling Stone Lake - Deep Hole
8/29/2007 14:30	COMPLETE		383277	Glen Lake - Deep Hole
8/29/2007 17:45	COMPLETE		193013	Ellwood Lake - Deep Hole
8/30/2007 10:30	COMPLETE		10020984	Buckskin Lake - Deepest Spot
8/30/2007 15:55	COMPLETE		213027	Peshtigo Lake - Deep Hole
8/31/2007 8:30	COMPLETE		443260	Soo Lake - Deep Hole
9/5/2007 10:00	COMPLETE	L-1	683139	Oconomowoc Lake - Deep Hole
9/5/2007 11:25	COMPLETE		10020981	West Mitchell Lake - Deepest Spot
9/5/2007 13:50	COMPLETE		10022233	Mud Lake - Deep Hole
9/6/2007 9:25	COMPLETE	SP1	033172	Spring Lake - Deep Hole
9/6/2007 11:00	COMPLETE	L-3	713121	Poygan Lake - Deep Spot

### Documents

Title	Description	Author	Published	Comments
Atkins Lake	Taken during National Lake Survey 2007	Brynn Bemis	10/31/2007	
USEPA Lakes Survey Fact Sheet 2010		USEPA	3/1/2010	

### Budget

#### Combined Budgets:

#### Combined WSLH:

**Combined Total:** \$0.00

## Wisconsin Department of Natural Resources SWIMS Project Summary

Funding					
Organization	Source	Type	Amount	Start Date	End Date