

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	CLMN-WaterLev-2092500
Name:	Citizen Water Level Monitoring - Axhandle Lake - Chippewa County
Type:	Citizen Lake Monitoring
Subtype:	Water Level Monitoring
Status:	ACTIVE
Start Date:	1/1/2015
End Date:	12/31/2099
Purpose:	Record low water levels in some areas of Wisconsin affect both the health and recreation of lakes. In some inland lakes, low water levels have stranded nearshore habitat, left piers hundreds of feet from shore and rendered boat landings unusable. To address the growing concern for lake health brought on by drought, changing climate, and groundwater withdrawals, the Wisconsin Department of Natural Resources and the University of Wisconsin-Extension have developed a citizen-based, statewide lake-level monitoring effort.
Objective:	Citizen volunteers will record lake levels once a week on the same day (e.g. every Monday) at approximately the same time of day under calm conditions. For each monitoring event, a visual reading of the lake level should be recorded on the datasheet and a photograph of the water level on the staff gage should be taken and submitted to the statewide coordinator or uploaded to SWIMS as part of the quality assurance process. Volunteers will enter their field data into the SWIMS database following each survey so that extreme water level changes (> 4/10ft in one week) can be documented as soon as possible. In addition to the water level reading, the bubble levels attached to the staff gage will be checked to verify that the staff gage has not shifted since the previous monitoring activity.
Comments:	
Outcome:	Citizen volunteers lake level measurements by visually reading a staff gage, which is scale (made out of enameled steel and marked in feet and tenths) placed in the lake bed to show the elevation of the water surface. The staff gage is calibrated by referencing the numbered height on the gage to the surveyed elevation of the water surface at the time of installation (Harrelson et al., 1994). Volunteers will also enter their lake level data into the Surface Water Integrated Monitoring System (SWIMS) database. Trained professionals will install the staff gage and perform all surveys (following installation, mid-season, and at removal) of the staff gage. They will also be responsible for removing the gage and entering all survey data into SWIMS each year.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
HEIN, CATHERINE L	PROJECT_MANAGER	ACTIVE	1/1/2015	12/31/2099	Wisconsin DNR	
Landowski, Lia	COORDINATOR	INACTIVE	7/22/2021	5/3/2023	Beaver Creek Reserve	
Leiden, AJ	TEAM_MEMBER	INACTIVE	8/17/2017	8/23/2021	Beaver Creek Reserve	20170821 - took over for Emily Lind
Lepsch, Jodi A	COORDINATOR	ACTIVE	1/1/2015	12/31/2099	Wisconsin DNR	
Manning, Bruce	TEAM_MEMBER	ACTIVE	5/18/2017			
Wiger, Marcia	TEAM_MEMBER	ACTIVE	7/17/2015			

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Monitor Water Level	Wisconsin Department of Natural Resources and the University of Wisconsin-Extension have developed a citizen-based, statewide lake-level monitoring effort.	1/1/2015	12/31/2099	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St	staff gage is just north of the boat landing

Assessment Units

WBIC	Segment	Local Name	Official Name
2092500	1	Axehandle Lake	Axhandle Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
WATER_LEV2016	Water Level Monitoring Data Sheet

Methods

Method Code	Method Description
WATER_LEVEL_MONITORING_CITIZEN	Water Level Monitoring Citizen 2016

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
7/13/2015 12:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/21/2015	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/11/2015	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/19/2015	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
9/15/2015	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
10/1/2015	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
10/19/2015 15:50	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/24/2016	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/17/2016	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
9/8/2016	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
5/7/2017 10:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
5/15/2017 12:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
5/22/2017 10:15	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St

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5/30/2017 12:30	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/5/2017 16:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/12/2017 10:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/26/2017 16:07	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/3/2017 11:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/10/2017	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/17/2017 9:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/24/2017 13:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/31/2017 12:30	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/7/2017 9:30	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/21/2017	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/28/2017 10:30	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
10/1/2017 13:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
10/5/2017 16:30	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/6/2018 16:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/18/2018 12:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
6/28/2018 10:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/5/2018 13:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/10/2018 9:30	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/17/2018 9:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/24/2018 10:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
7/30/2018 11:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/7/2018 20:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/14/2018 10:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/20/2018	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St
8/27/2018 10:00	COMPLETE		10018587	Axhandle Lake -- Access at E Side Of Lake Off 100th St

Documents

Title	Description	Author	Published	Comments
Axhandle Lake, Chippewa County	Axhandle Lake is a 86 acre lake located in Chippewa County. It has a maximum depth of 72.5 feet. Visitors have access to the lake from public boat landings. Fish include Panfish, Largemouth Bass and Northern Pike. The lake's water is moderately clear.		1/31/2016	

Budget

7/25/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date