

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: CLMN-WaterLevel-2714500
Name: Citizen Water Level Monitoring - Potato Lake
Type: Citizen Lake Monitoring
Subtype: Water Level Monitoring
Status: ACTIVE
Start Date: 01/01/2012
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: Harley Wells has been collecting water level data since 2012.
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
Wells, Harley	COORDINATOR	ACTIVE	12/05/2013		Potato Lake Association	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.

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Monitor Water Level	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.	01/01/2012	12/31/2099	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10006701	Potato Lake	

Assessment Units

WBIC	Segment	Local Name	Official Name
2714500	1	Potato Lake	Potato 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	Description
WATER_LEVEL_MONITORING_CI TIZEN	Water Level Monitoring Citizen 2016

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
10/06/2012	COMPLETE		10006701	Potato Lake
10/13/2012	COMPLETE		10006701	Potato Lake
10/20/2012	COMPLETE		10006701	Potato Lake
10/27/2012	COMPLETE		10006701	Potato Lake
11/03/2012	COMPLETE		10006701	Potato Lake
11/10/2012	COMPLETE		10006701	Potato Lake
11/17/2012	COMPLETE		10006701	Potato Lake
11/24/2012	COMPLETE		10006701	Potato Lake
12/01/2012	COMPLETE		10006701	Potato Lake
12/08/2012	COMPLETE		10006701	Potato Lake
12/15/2012	COMPLETE		10006701	Potato Lake
12/22/2012	COMPLETE		10006701	Potato Lake
12/29/2012	COMPLETE		10006701	Potato Lake
01/05/2013	COMPLETE		10006701	Potato Lake
01/11/2013	COMPLETE		10006701	Potato Lake

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Start Date	Status	Field ID	Station ID	Station Name
01/12/2013	COMPLETE		10006701	Potato Lake
01/19/2013	COMPLETE		10006701	Potato Lake
01/26/2013	COMPLETE		10006701	Potato Lake
02/02/2013	COMPLETE		10006701	Potato Lake
02/09/2013	COMPLETE		10006701	Potato Lake
02/16/2013	COMPLETE		10006701	Potato Lake
02/23/2013	COMPLETE		10006701	Potato Lake
03/02/2013	COMPLETE		10006701	Potato Lake
03/09/2013	COMPLETE		10006701	Potato Lake
03/16/2013	COMPLETE		10006701	Potato Lake
03/23/2013	COMPLETE		10006701	Potato Lake
03/30/2013	COMPLETE		10006701	Potato Lake
04/06/2013	COMPLETE		10006701	Potato Lake
04/13/2013	COMPLETE		10006701	Potato Lake
04/20/2013	COMPLETE		10006701	Potato Lake
04/27/2013	COMPLETE		10006701	Potato Lake
05/04/2013	COMPLETE		10006701	Potato Lake
05/11/2013	COMPLETE		10006701	Potato Lake
05/18/2013	COMPLETE		10006701	Potato Lake
05/25/2013	COMPLETE		10006701	Potato Lake
06/01/2013	COMPLETE		10006701	Potato Lake
06/08/2013	COMPLETE		10006701	Potato Lake
06/15/2013	COMPLETE		10006701	Potato Lake
06/22/2013	COMPLETE		10006701	Potato Lake
06/29/2013	COMPLETE		10006701	Potato Lake
07/06/2013	COMPLETE		10006701	Potato Lake
07/18/2013	COMPLETE		10006701	Potato Lake
07/20/2013	COMPLETE		10006701	Potato Lake
07/27/2013	COMPLETE		10006701	Potato Lake
08/03/2013	COMPLETE		10006701	Potato Lake
08/13/2013	COMPLETE		10006701	Potato Lake
08/17/2013 14:00	COMPLETE		10006701	Potato Lake
08/18/2013	COMPLETE		10006701	Potato Lake
08/24/2013	COMPLETE		10006701	Potato Lake
08/31/2013 11:30	COMPLETE		10006701	Potato Lake
09/07/2013	COMPLETE		10006701	Potato Lake
09/14/2013	COMPLETE		10006701	Potato Lake
09/21/2013	COMPLETE		10006701	Potato Lake
09/28/2013	COMPLETE		10006701	Potato Lake
10/05/2013	COMPLETE		10006701	Potato Lake
10/12/2013	COMPLETE		10006701	Potato Lake
10/19/2013	COMPLETE		10006701	Potato Lake
10/26/2013	COMPLETE		10006701	Potato Lake
11/02/2013	COMPLETE		10006701	Potato Lake
11/09/2013	COMPLETE		10006701	Potato Lake
11/16/2013	COMPLETE		10006701	Potato Lake
11/23/2013	COMPLETE		10006701	Potato Lake
11/30/2013	COMPLETE		10006701	Potato Lake

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Start Date	Status	Field ID	Station ID	Station Name
12/07/2013	COMPLETE		10006701	Potato Lake
12/14/2013	COMPLETE		10006701	Potato Lake
12/14/2013	COMPLETE		10006701	Potato Lake
12/21/2013	COMPLETE		10006701	Potato Lake
12/28/2013	COMPLETE		10006701	Potato Lake
01/04/2014	COMPLETE		10006701	Potato Lake
01/11/2014	COMPLETE		10006701	Potato Lake
01/18/2014	COMPLETE		10006701	Potato Lake
01/25/2014	COMPLETE		10006701	Potato Lake
02/01/2014	COMPLETE		10006701	Potato Lake
02/08/2014	COMPLETE		10006701	Potato Lake
02/15/2014	COMPLETE		10006701	Potato Lake
02/22/2014	COMPLETE		10006701	Potato Lake
03/01/2014 13:00	COMPLETE		10006701	Potato Lake
03/22/2014 10:30	COMPLETE		10006701	Potato Lake
03/29/2014 11:00	COMPLETE		10006701	Potato Lake
03/31/2014 13:00	COMPLETE		10006701	Potato Lake
04/05/2014 10:45	COMPLETE		10006701	Potato Lake
04/12/2014 17:00	COMPLETE		10006701	Potato Lake
04/19/2014 14:00	COMPLETE		10006701	Potato Lake
04/26/2014 13:00	COMPLETE		10006701	Potato Lake
05/03/2014 13:00	COMPLETE		10006701	Potato Lake
05/10/2014 13:00	COMPLETE		10006701	Potato Lake
05/17/2014 13:00	COMPLETE		10006701	Potato Lake
05/24/2014 13:00	COMPLETE		10006701	Potato Lake
05/31/2014 13:00	COMPLETE		10006701	Potato Lake
06/07/2014 13:00	COMPLETE		10006701	Potato Lake
06/14/2014 13:00	COMPLETE		10006701	Potato Lake
06/21/2014 13:00	COMPLETE		10006701	Potato Lake
06/28/2014 13:00	COMPLETE		10006701	Potato Lake
07/05/2014 13:00	COMPLETE		10006701	Potato Lake
07/12/2014 13:00	COMPLETE		10006701	Potato Lake
07/19/2014 13:00	COMPLETE		10006701	Potato Lake
07/26/2014 13:00	COMPLETE		10006701	Potato Lake
08/02/2014 13:00	COMPLETE		10006701	Potato Lake
08/09/2014 13:00	COMPLETE		10006701	Potato Lake
08/16/2014 13:00	COMPLETE		10006701	Potato Lake
08/23/2014 13:00	COMPLETE		10006701	Potato Lake
08/30/2014 13:00	COMPLETE		10006701	Potato Lake
09/06/2014 13:00	COMPLETE		10006701	Potato Lake
09/13/2014 13:00	COMPLETE		10006701	Potato Lake
09/20/2014 13:00	COMPLETE		10006701	Potato Lake
09/27/2014 13:00	COMPLETE		10006701	Potato Lake
10/04/2014 13:00	COMPLETE		10006701	Potato Lake
10/18/2014 13:00	COMPLETE		10006701	Potato Lake
10/25/2014 13:00	COMPLETE		10006701	Potato Lake
11/01/2014 13:00	COMPLETE		10006701	Potato Lake
11/08/2014 13:00	COMPLETE		10006701	Potato Lake

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11/15/2014 13:00	COMPLETE		10006701	Potato Lake
11/22/2014 13:00	COMPLETE		10006701	Potato Lake
11/29/2014 13:00	COMPLETE		10006701	Potato Lake
12/06/2014 13:00	COMPLETE		10006701	Potato Lake
12/13/2014 13:00	COMPLETE		10006701	Potato Lake
12/20/2014 13:00	COMPLETE		10006701	Potato Lake
12/27/2014 13:00	COMPLETE		10006701	Potato Lake
01/03/2015 13:00	COMPLETE		10006701	Potato Lake
01/10/2015 13:00	COMPLETE		10006701	Potato Lake
01/17/2015 13:00	COMPLETE		10006701	Potato Lake
01/24/2015 13:00	COMPLETE		10006701	Potato Lake
01/31/2015 13:00	COMPLETE		10006701	Potato Lake
02/07/2015 13:00	COMPLETE		10006701	Potato Lake
02/14/2015 14:00	COMPLETE		10006701	Potato Lake
02/21/2015 13:00	COMPLETE		10006701	Potato Lake
02/28/2015 13:00	COMPLETE		10006701	Potato Lake
03/07/2015 13:00	COMPLETE		10006701	Potato Lake
03/14/2015 13:00	COMPLETE		10006701	Potato Lake
03/21/2015 13:00	COMPLETE		10006701	Potato Lake
03/29/2015	COMPLETE		10006701	Potato Lake
04/05/2015	COMPLETE		10006701	Potato Lake
01/01/2020	COMPLETE		10006701	Potato Lake
01/08/2020	COMPLETE		10006701	Potato Lake
01/15/2020	COMPLETE		10006701	Potato Lake
01/22/2020	COMPLETE		10006701	Potato Lake

Documents

Title	Description	Author	Published	Comments
Potato Lake, St. Croix County Photo	Potato Lake, St. Croix County (WBIC: 2714500)		01/29/2016	

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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