

Create a Lake Observer Account

Go to www.lakeobserver.org for web interface

Search “Lake Observer” in Google Play or the App Store for mobile app

Lake Observer App

www.lakeobserver.org

Lake Observer

A Mobile App For Recording Lake And Water Observations

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Login

Sign Up

Welcome to Lake Observer

The Lake Observer mobile app was designed by members of the Global Lake Ecological Observatory Network (GLEON) for both research scientists and citizen scientists to record lake and water quality observations. Lake Observer is part of a crowd-sourcing platform to facilitate the collection and sharing of lake- and water-related information across the globe.



Create an account

Basic Settings

Personal Settings

First Name

Beth

Last Name

Norman

Expertise

Research Scientist/Professional

Organization

Lacawac Sanctuary and Biological Field Station × Type Your Organization and Hit Enter/Tab

Select "Citizen Scientist (Trained Volunteer)" from the drop down menu

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[Bcnorman](#) ▾

Basic Settings

Personal Settings

Username

bcnorman

This name will be associated with your public data

Email

beth.norman@lacawac.org

Password

Password Confirm

Join the Wallenpaupack Project in Lake Observer

Log into your Lake Observer Account

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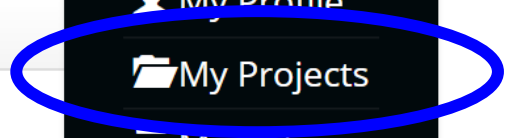
Your account tab



[Projects](#) / [My Projects](#)

My Projects

- My Profile
- My Projects
- My Data
- Data QA
- Logout



JOIN / LEAVE / EDIT PROJECTS

CREATE NEW PROJECT



My Projects / Join / Leave / Edit Projects

Enter "PLEON" in the search bar

+ NEW PROJECT

PLEON

| ID | Membership | Data | Name | Description | Waterbodies | Sites | Organizations | Ke |
|----|---------------|-----------|--|--|--|----------|---|------------|
| 32 | Administrator | 0 Entries | PLEON: Wallenpaupack Citizen Science Program | A citizen-led water quality monitoring program on Lake Wallenpaupack, PA | Lake Wallenpaupack, Pike County, PA, USA | 12 sites | Lacawac Sanctuary and Biological Field Station; | citi Wa |

EDIT PROJECT

VIEW DATA

VIEW SITES

Will say "Join Project". Join the "Wallenpaupack" project if on Wallenpaupack, other lakes, join "Pocono Lakes" project

HOW TO ENTER DATA

Log onto your Lake Observer Account

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Data Tab





Submit Data

 Search Data

 Submit Data

 Batch Data Upload

 Projects

 Waterbodies & Sites

[Home](#) / [My Profile](#)

Profile Settings

Account Settings

First Name

Beth

Last Name

Norman

Expertise

Research Scientist ▾

Organization

Lacawac Sanctuary and Biological Field Station ✕ Type Your Organization and Hit Enter/Tab

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Data ▾ Bcnorman ▾

Select Projects

Are you submitting data as part of a project? (e.g. NALMS Secchi Dip-In)

No project ▾

No project

PLEON: Pocono Lakes Citizen Science Program

PLEON: Wallenpaupack Citizen Science Program

CANCEL NEXT



**Select your project – can set as default
(lakes other than Wallenpaupack, select “Pocono Lakes Citizen Science Program”)**

Lake Observer

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Project

No project

Set default project

[Create or join projects](#)

Country *

Please select a country

Set default country

Select P

www.lakeobserver.org says

Highlighted fields have been designated as important by the project administrator

OK

PLEON: Wallenpaupack Citizen Science Program

Set default project

[Join additional projects](#)

CANCEL NEXT

Just a notice that you only fill in the boxes outlined in blue for this project...click "OK"

Set default county

Waterbody *

ICE COVER

CLOUD COVER

Lake Observer

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Data ▾

 Bcnorman ▾

Project

PLEON: Wallenpaupack Citizen Science

Set default project

Create or join projects

Country *

Please select a country

Set default country

State/Province *

Set default state

Select Waterbody

Please select your waterbody

Please select a waterbody ▾

Please select a waterbody

Lake Wallenpaupack, Pike County, PA, USA

BACK

CANCEL

DONE

**Select your lake – can set as default
(for “Pocono Lakes Citizen Science Program”, select your lake)**

Lake Observer

A Mobile App For Recording Lake And

www.lakeobserver.org says
Set timezone to America/New_York?

OK Cancel

Select

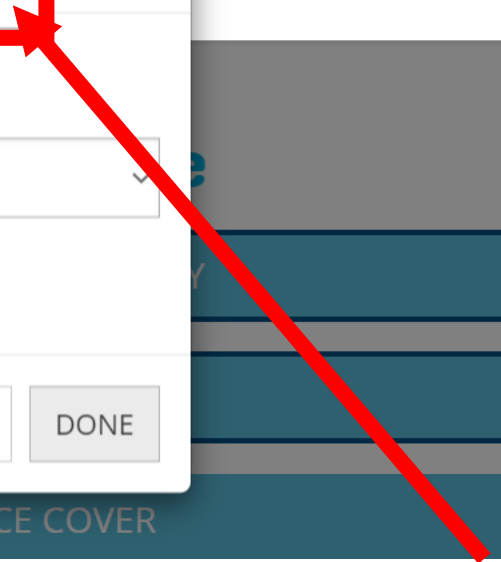
Please select your site

No site

Set default site

[Can't find your site?](#)

BACK CANCEL DONE



Set time zone...click "OK"

Project

PLEON: Wallenpaupack Citizen Science P

Set default project

[Create or join projects](#)

Country *

United States of America

Set default country

Set default state

County

All counties

Set default county

- ICE COVER
- AIR TEMPERATURE
- CLOUD COVER

Select your site – THIS WILL MATCH YOUR DATA SHEET

ONLY ENTER DATA FOR YOUR SITE!!

Lake Observer

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Data ▾

 Bcnorman ▾

Project

PLEON: Wallenpaupack Citizen Science P

Set default project

[Create or join projects](#)

Country *

United States of America

Set default country

State/Province *

Pennsylvania

Set default state

County

All counties

Set default county

Waterbody *

Select Site

Please select your site

- No site ▾
- No site ▲
- CPR [41.43070,-75.23169]**
- BCD [41.45500,-75.19740]
- BTR [41.36275,-75.27265]
- IWD [41.36922,-75.27776]
- LDL [41.36703,-75.31914]
- LSR [41.36430,-75.29800]
- MGC [41.45957,-75.18974]
- MCS [41.43208,-75.18048]
- MCY [41.37746,-75.30423]
- OWK [41.36948,-75.29745]
- WVL [41.45171,-75.18015]
- HCK [41.37409,-75.30367]
- WLE-HCK [41.38648,-75.26491]
- BZS [41.38839,-75.26381]
- BTN [41.37172,-75.30236]
- GLP [41.37310,-75.27221]

Project
PLEON: Wallenpaupack Citizen Science Program

Set default project
[Create or join projects](#)

Country *
United States of America

Set default country

State/Province *
Pennsylvania

Set default state

County
All counties

Set default county

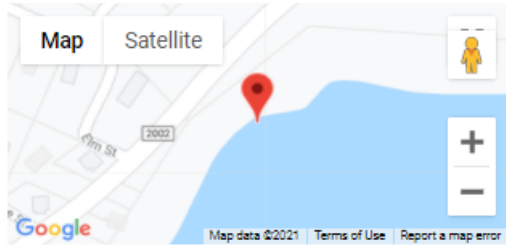
Waterbody *
Lake Wallenpaupack, Pike County, PA, USA

Set default waterbody

Site
CPR [41.43070,-75.23169]

Set default site
[Can't find a waterbody or site?](#)

Map **Satellite**



Latitude: 41.430700 Longitude: -75.231690

Ecosystem *
Lake/Pond/Reservoir

Timezone *
America/New_York

Water/Ice

- WATER QUALITY
- SECCHI DEPTH
- ICE COVER

Weather

- AIR TEMPERATURE
- CLOUD COVER
- PRECIPITATION
- WIND

Aquatic Vegetation

- ALGAE
- AQUATIC MACROPHYTE
- METAPHYTON

Submit

Left Side: Site info
Check to make
sure location,
date, and time are
correct

Right Side:
Data Entry
Only the
boxes outlined
in dark blue
(water quality,
Secchi depth,
cloud cover,
and algae)

Water/Ice

WATER QUALITY

Environment *

Near Shore

← **Environment:** use drop down

Sampling Depth(s) *

Meters

← **Sampling Depth:** set to "Meters" and enter "1" because temperature is measured at 1 m.

Enter data for multiple depths

Temperature

°C Probe/Sensor

← **Temperature:** enter temperature in °C, select "thermometer" from dropdown.

Conductivity

μS

pH

Method Probe/Sensor

Dissolved Oxygen

mg/L

Turbidity

NTU Method Turbidity Meter

Chlorophyll

μg/L

Sample ID

Comment

← **Comment:** any additional information.



Water/Ice

WATER QUALITY

SECCHI DEPTH

Secchi Depth *

Meters 

Secchi Depth: enter data in meters

Water Depth

Meters 

Water Depth: enter data in meters

Sampling Platform



Platform: use dropdown

Shady side of boat/platform?



Use drop down

Is the disk resting on the bottom?



Yes or no

Disk Type



Disk type: select "black and white"

Did you use the view scope?



Disk type: select "no"

Light Conditions



Use drop down

Water Surface Conditions



Use drop down

Comment

Any other comments go here

Weather



AIR TEMPERATURE



CLOUD COVER

Cloud Cover *

Clear (0-5%)



← Use drop down

** Note: fog is defined by objects approximately 1/2 mile (1 km) away obscured from view*

Comment

← Any other comments go here

Aquatic Vegetation

ALGAE

Environment*
Near Shore

Environment: use drop down

Transparency

| Description | |
|---|--|
| On the Surface | In the Water |
| <input type="checkbox"/> Streaks | <input type="checkbox"/> Thick soup |
| <input type="checkbox"/> Clots or clumps | <input type="checkbox"/> Clots or clumps |
| <input type="checkbox"/> Spilled paint | <input type="checkbox"/> Nothing |
| <input type="checkbox"/> Full scum | <input type="checkbox"/> Other |
| <input type="checkbox"/> Duckweed/watermeal | |
| <input type="checkbox"/> Nothing | |
| <input type="checkbox"/> Other | |

On surface/in water: refer to your flip book for descriptions of each option

Extent: refer to your flip book for descriptions of each option in drop down

Extent of Bloom

Leave unchecked even if sample was collected

Sample Collected

Photo (max 10MB, jpg or png only)

Choose File No file chosen

+ ADDITIONAL PHOTO

Photos: optional, a close-up and a view of the extent is helpful

Comment

Additional info here

Recreational Suitability

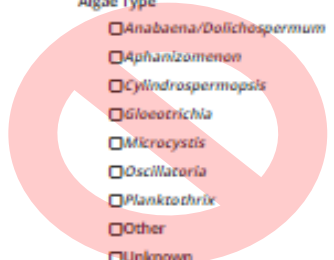
Use drop down

Physical Condition

Use drop down

Algae Type

- Anabaena/Dolichospermum
- Aphanizomenon
- Cylindrospermopsis
- Gloeotrichia
- Microcystis
- Oscillatoria
- Planktothrix
- Other
- Unknown



Water/Ice

WATER QUALITY

SECCHI DEPTH

ICE COVER

Weather

AIR TEMPERATURE

CLOUD COVER

PRECIPITATION

WIND

Aquatic Vegetation

ALGAE

AQUATIC MACROPHYTE

METAPHYTON

Submit

**Click
"Submit"**