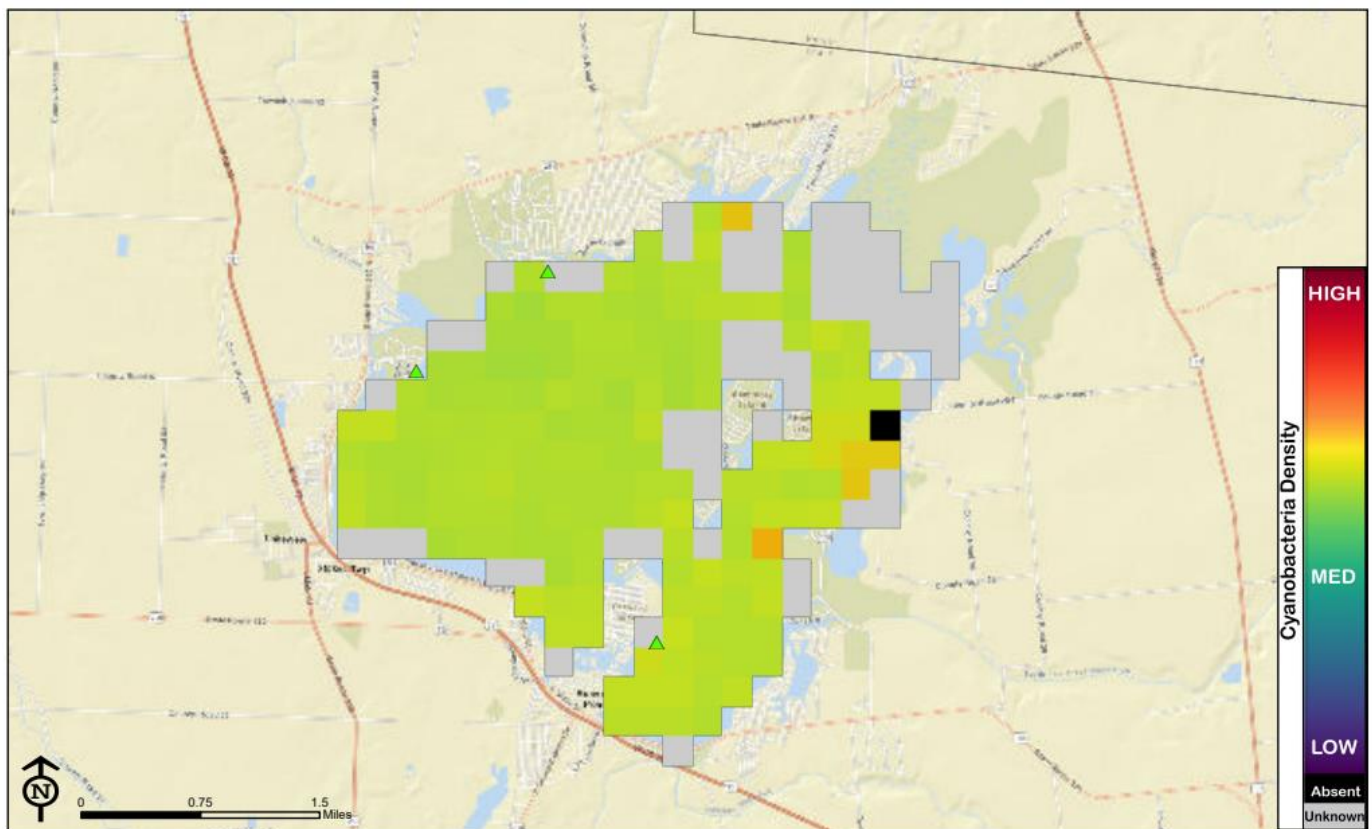




**Harmful Algal Bloom (HAB) and Cyanobacteria Update
October 12, 2023**

The Logan County Health District receives reports of satellite imagery from the Ohio Department of Health for Indian Lake. Satellite imagery and the data it produces is still considered experimental and is being made available for community awareness. This satellite imagery can indicate the presence of cyanobacteria, which are microorganisms that can produce harmful algal blooms (HABs). HABs have the potential to make animals, including humans, sick and can also harm the aquatic environment.

The latest satellite imagery for Indian Lake, taken October 04, 2023, is showing some cyanobacteria coverage, estimated to impact more than 50% of the lake. Please see the image below for the current imagery as of October 04, 2023.



Harmful Algal Bloom (HAB) Satellite Imagery
NOAA – NOS, Copernicus Sentinel-3a

This data product is experimental. Cyanobacteria detections should be confirmed and may not indicate presence of cyanotoxins.
Learn more about HABs at ohioalgaeinfo.com
Find beach advisories and sampling data at <http://publicapps.odh.ohio.gov/beachguardpublic>

Indian Lake
LOGAN COUNTY
Satellite Image Taken: 10/4/2023
V2 PROCESSING & COLOR RAMP

Public Water System Intake ODNR Sample Sites



EPAHABmailbox@epa.ohio.gov

Report Date: 10/5/2023

Satellite imagery also showed possible HABs in the summers of 2021 and 2022, but no animal or human illnesses were reported to the Logan County Health District.

The most common ways to come into contact with HABs are through drinking/swallowing, skin contact and inhaling. Drinking/Swallowing HABs-contaminated water can cause severe diarrhea and vomiting, liver toxicity (abnormal liver function, abdominal pain), kidney toxicity, neurotoxicity (weakness, salivation, tingly fingers, numbness, dizziness), difficulty breathing, and death. Skin contact with HABs-contaminated water can cause rashes, hives, and skin blisters (especially on the lips and under swimsuits). Inhaling HABs-contaminated water can cause runny eyes and nose, sore throat, asthma-like symptoms, and allergic reactions. For more information on HABs please visit <https://odh.ohio.gov/know-our-programs/harmful-algal-blooms/welcome-to-habs>.

If you come into contact with HABs-contaminated water, rinse off with clean, fresh water as soon as possible. Individuals who are concerned that they may be experiencing HABs illness symptoms after exposure to contaminated water should contact their healthcare provider. Healthcare providers who rule out other potential causes of the symptoms and suspect a HABs illness should notify their local health district.

Pets can also experience serious health effects from exposure to HABs-contaminated water. Contact a veterinarian immediately if pets show signs of illness. Thoroughly rinse off your pets with clean, fresh water. Pets that have been in HABs-contaminated water may ingest toxins by drinking the water and/or licking their fur afterward. Do not let your pet lick himself/herself if he/she has been in HABs-contaminated water or swimming in a body of water with a posted advisory.

Seek immediate medical attention if you think that you, your pet, or your livestock might have been poisoned by HAB toxins or if someone has a medical emergency.

HAB illnesses are considered to be reportable. To report a HAB illness, or if you have any questions or concerns, contact the Logan County Health District at (937) 592-9040 or LCHD@loganhealthohio.gov.

Summary for Inland Lakes across Ohio (new or increasing area in bold):

Lakes with cyanobacteria covering greater than 50% area:

- ODNR lakes: Grand Lake St. Marys, **Indian Lake**, Buckeye Lake, CJ Brown Reservoir (Buck Creek), Mosquito Creek Lake, Pymatuning Reservoir, **Lake Milton, Mosquito Creek Lake**
- PWS lakes: Grand Lake St. Marys (Celina), La Due Reservoir (Akron), Mosquito Creek Lake (Warren), Pine Lake (Aqua Ohio – Struthers), **Atwood Lake (MWCD-Atwood), Berlin Lake (MVSD), Evans Lake (Aqua Ohio – Struthers)**
- Other lakes with beaches: Springfield Lake, **Atwood Lake, Springfield Lake**

Lakes with 10-50% area coverage:

- ODNR lakes: Harsha- East Fork Lake, Guilford Lake, **Caesar Creek Reservoir, Deer Creek, Paint Creek, Salt Fork Lake, Wingfoot Lake**
- PWS lake: Harsha- East Fork Lake (Clermont Co.), Tappan Lake (Cadiz), **Bresler Upground Reservoir (Lima), Caesar Creek Lake (Wilmington), Clearfork Reservoir (Mansfield), Walborn Reservoir (Alliance)**
- Other lakes with beaches: Lake Mohawk, Tappan Lake, Aurora Pond