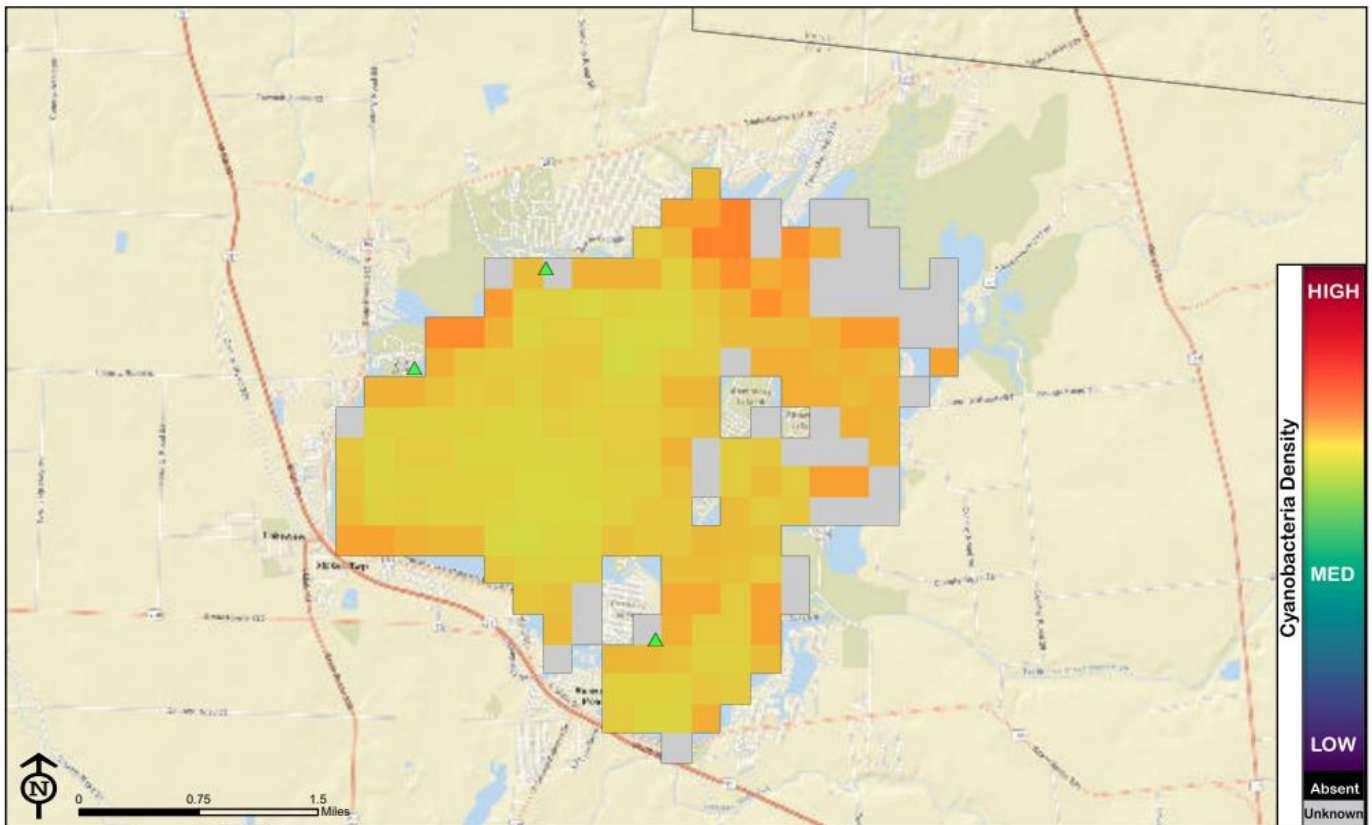




Harmful Algal Bloom (HAB) and Cyanobacteria Update
August 31, 2023

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 August 29, 2023, is showing some cyanobacteria coverage, estimated to impact more than 50% of the lake and is showing increased density. Please see the image below for the current imagery as of August 29, 2023.



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

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: 8/29/2023
V2 PROCESSING & COLOR RAMP

Public Water System Intake ODNR Sample Sites



Report Date: 8/30/2023

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**, Deer Creek Lake, Buckeye Lake, CJ Brown Reservoir (Buck Creek), Mosquito Creek Lake, Pymatuning Reservoir, **Kiser Lake, Lake Loramie**
PWS lakes: Grand Lake St. Marys (Celina), La Due Reservoir (Akron), Tappan Lake (Cadiz), Mosquito Creek Lake (Warren), **Hoover Reservoir (Columbus), Pine Lake (Aqua Ohio – Struthers)**
Other lakes with beaches: Springfield Lake, Senecaville Lake, Tappan Lake, **Aurora Pond**

Lakes with 10-50% area coverage:

ODNR lakes: Harsha- East Fork Lake, Cowan Lake, Guilford Lake, Salt Fork Lake Reservoir, Wingfoot Lake, Paint Creek, Lake Milton, **Caesar Creek Lake, Rocky Fork lake**
PWS lake: Berlin Lake (MVSD), Harsha- East Fork Lake (Clermont Co.), Hoover, East Branch Reservoir (Akron), **Bresler Upground Reservoir (Lima), Caesar Creek Lake (Wilmington), Clear Fork Reservoir (Mansfield), Evans Lake (Aqua Ohio-Struthers), Ferguson Reservoir (Lima), Metzger Reservoir (Lima)**
Other lakes with beaches: Berlin Lake