

INDIAN LAKE WATERSHED PROJECT

SUMMER 2020

Dear Friends and Supporters of the ILWP and Nashville Hitmakers,

After much deliberation, considering the Covid-19 Pandemic and no guarantee when the Social Distancing rule would be lifted, the ILWP Board decided to cancel the 2020 Nashville Hitmakers Show at the Indian Lake Highschool. We felt it wouldn't be sensible or responsible to try to have a successful event this year. Secondly, we felt the need to take the economic "hit" into consideration and not place any extra financial burden on our local businesses by asking for donations or sponsorships for a 2020 show.

We have a stellar line-up of artists and are planning to use that same roster of singer/songwriters for next year's concert on August 21, 2021. Please save the date and plan to be with us for another great weekend!

Thank you for understanding and being faithful patrons of the show in past years. We'll be planning for the 2021 Hitmakers Show in the Spring! Updates will be on the Nashville Hitmakers website and the ILWP and Nashville Hitmakers Facebook Pages.

Thank you all for your support and see you in 2021!

937-404-3148 • www.indianlakewatershed.com
ILWP is a 501(c)3 non-profit organization and all contributions are tax deductible.

9th Annual
Award-Winning Songwriters Performing their Biggest Hits!

RESCHEDULED
August 21, 2021



Nashville HITMAKERS
WWW.NASHVILLEHITMAKERS.COM

FOR DETAILS CALL • 937.441.3088 • 937.404.3148

WATERSHED NEWS

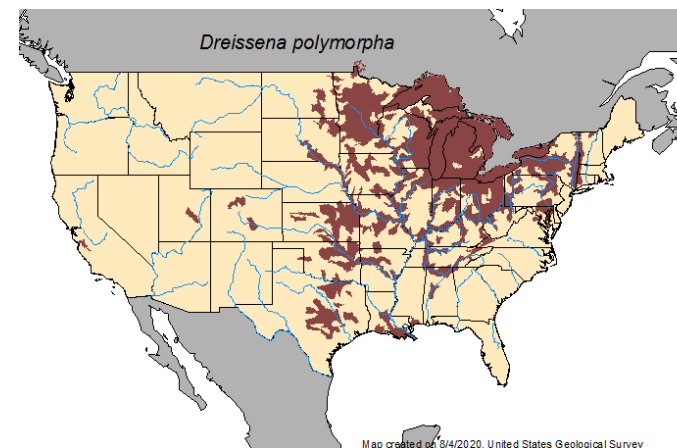
INVASION OF THE ZEBRA MUSSEL

"*Dreissena polymorpha*", the invasive Zebra Mussel. 2020 has had more than its share of panic. Now zebra mussels have taken up residence in Indian Lake. These mussels originate from the Black, Caspian and Azov Seas near Russia and were introduced to the United States waterways on the bottom of large cargo ships. Zebra mussels were first found in Lake St. Clair between Ontario and Michigan, and from there they used the canal system and the hulls of boats to quickly establish themselves in all five of the Great Lakes by 1990. Thirty states and over 600 lakes in the US have been infected by zebra mussels.



Zebra mussels feed by filtering algae out of the water that passes through their bodies. Great! Less algae sounds wonderful! But wait, it gets worse. This can dramatically increase the water clarity. The clearer the water, the deeper the sunlight can reach, the more weeds that will grow in deeper water. The female mussels can lay up to 1 million eggs in a single season. Young zebra mussels will attach themselves to any hard surface and grow until they are old enough to

reproduce. They can block pipes and cover any under water surface. When attached to wood, metal or concrete they can cause deterioration and corrosion. Native mussels are under attack. The native species of mussels are being out competed for food and habitat. As a direct human concern, the Zebra mussel shells are very sharp and can injure unprotected hands and feet.



How do we fix it? There is no real "cure" for this invasion. Once they more in they are here to stay. The best offence is a good defense. Cleaning your trailer and boat after leaving a body of water will effectively stop the transfer of Zebra mussels from one body of water to another. Using chemicals to control

the zebra mussels would cause more harm than then leaving them alone. Chemicals that would kill the Zebra mussels would also kill our native mussel species. As of now the best way to get rid of Zebra mussels is to manually remove them from whatever surface you find them. A paint scraper or putty knife works well.

This is not a death blow for Indian Lake. Attached mussels will be difficult to remove, costly to repair, and painful to step on. It will not hurt the fishing. It may actually provide an additional food source to some animals. Indian Lake was lucky to avoid the invasion for the last 30 years. Now until a solution is found we just have to learn to live with our new neighbors.

Sources:

<https://www.fws.gov/midwest/endangered/clams/zebra.html>,

<https://osuedu/enr3300summer2018/2018/06/12/invasive-stripes-in-the-great-lakes>

Fact sheet 045 Ohio Sea Grant; Zebra mussels in Lake Erie

<https://publish.illinois.edu/ohio-invasives/2017/03/03/zebra-mussel/>

WATER QUALITY NEWS

Water Sampling

Thanks to the support of our members' donations, the ILWP has been able to expand the water quality sampling and testing in 2020. For a number of years samples from the State Park beaches have been collected to test for Microcystin. This toxin is produced by blue/green algae that has been plaguing Ohio's lakes and watercourses. In 2019, the highest reading of microcystin was 1.544 ppb (parts per billion), just under the "Drinking Water Advisory" level. Not a large concern since Indian Lake is not used as a source for drinking water. This year has been amazing! Our highest microcystin sample for 2020 has only reached 0.413 ppb and four samples have tested too low for the lab equipment to register.

The 2020 Microcystin lab report can be found on the back page of this newsletter.

This year we have also started taking samples from each of the four tributaries that flow into the lake and a sample from the spill way as the water exits the lake. This allows the monitoring of nutrients and pollutants flowing into and out of the lake. The results will narrow down areas of interest for future conservation and water quality projects. Those results will be reported in the winter newsletter.

Thank you again to all those who have donated toward the monitoring program. It is a proactive step toward monitoring and maintaining the good water quality of Indian Lake.

Membership/Donation Form

INDIAN LAKE WATERSHED PROJECT MEMBERSHIP APPLICATION

NAME: _____	Annual Dues Only	\$ <u>15.00</u>
ADDRESS: _____	Endowment	\$ _____
_____	Education	\$ _____
_____	Scholarship	\$ _____
_____	General	\$ _____
_____	Weed Harvester	\$ _____
_____	Monitoring	\$ _____
(City) (State) (Zip)	Total Enclosed	\$ _____

Email address for future newsletters: _____

Make your check payable to: **Indian Lake Watershed Project**
324 Co. Rd. 11
Bellefontaine, Ohio 43311

Site	Time	Date Sampled	Date Analyzed	Microcystin (µg/L)	Comments
Indian Lake Old Field Beach	9:15	6/2/2020	6/5/2020	<0.05	Concentration below the limit of quantification.
Indian Lake Fox Island	9:10	6/16/2020	6/19/2020	0.413	
Indian Lake #610 Campground Beach	9:00	6/30/2020	7/6/2020	0.074	
Indian Lake Old Field Beach	9:21	7/14/2020	7/17/2020	<0.05	Concentration below the limit of quantification.
Indian Lake Fox Island	9:00	7/27/2020	7/30/2020	<0.05	Concentration below the limit of quantification.
Indian Lake Campground		8/11/2020	8/14/2020	<0.05	Concentration below the limit of quantification.

Indian Lake Watershed Project
324 County Road 11
Bellefontaine, OH 43311
Abbi Hastings
Watershed Coordinator
Phone: 937-404-3148
Email:
abigail.hastings@oh.nacdn.net

Facebook: Indian Lake Watershed Project

Upcoming Events

- Fall Festival—CANCELED
- ILWP Banquet— CANCELED

Upcoming Meetings

All meetings are at **6:00 PM** at the State Park

- September 16
- October 21
- November 18



Non-Profit Organization
US Postage Paid
Bellefontaine, Ohio
Permit No. 324

INDIAN LAKE WATERSHED PROJECT
324 COUNTY ROAD 11
BELLEFONTAINE, OH 43311
RETURN SERVICE REQUESTED