

Highland Lake Zebra Mussels

What are Zebra mussels?

What are ZM life cycle?

How do ZM reproduce?

Once in a lake like HL, how do we get rid of them?

Can we get rid of them?

Do ZM harm humans?

Wildlife, birds, frogs, beaver, muskrats

Fish?

Plants in lake?

What is a DEAD LAKE?

If untreated, could HL become a Dead Lake?

How long would that take?

If untreated, ZM population initially grow fast & often decline to a level this is much lower & not problematic over time. Could we see a similar pattern if zebra mussel treatments are discontinued? How long would this take?

Can we stop treatments? What will happen?

Can we treat periodically? Every other year? Or every 5 years once population gets out of control?

Is HL a kettle lake, a spring fed lake or both? How would the type of lake affect ZM infestation & treatments?

Treatments:

What treatments have been used in HL to date?

Why were these chemicals chosen for treatment?

What research has been done by federal & local agencies, universities, or independent companies on chemical treatments?

What are other lakes in Lake County or Midwest regions doing to combat ZM?

Is it necessary to treat HL for ZM to have a healthy lake?

Please explain the varies types of treatment:

Filtration Systems which Chicago Botanic garden uses.

Earth Tech treatments: What chemicals are used?

Copper treatment has been used in past. Will there be a permanent build up of copper in the lake sediment? What will be future problems with this treatment used on our lake?

Are there natural treatments to control ZM?

Zebracide claims to be free of copper, chemicals, salt & toxins. For a 100 acres lake like HL how much of this treatment would have to be used?

What have the results been with Zebracide? How long has it been on market?

What other lakes in Lake County are treating for ZM?

What chemicals are they using?

What are their results?

Which lakes are not treating & what are the results?

Do ZM treatments do more harm than good to HL?

Research & Future

What is on the horizon for future research for ZM?

How close are you to controlling or eliminating ZM from waterway & lakes like HL?

Conclusion

If we stop treatments for ZM, what happens to our lake?

If we continue to treat for ZM what happens to our lake?

Continued use of chemicals? What happens to our lake? Now & Future?

Please panel add your additional comments. Thank you.