

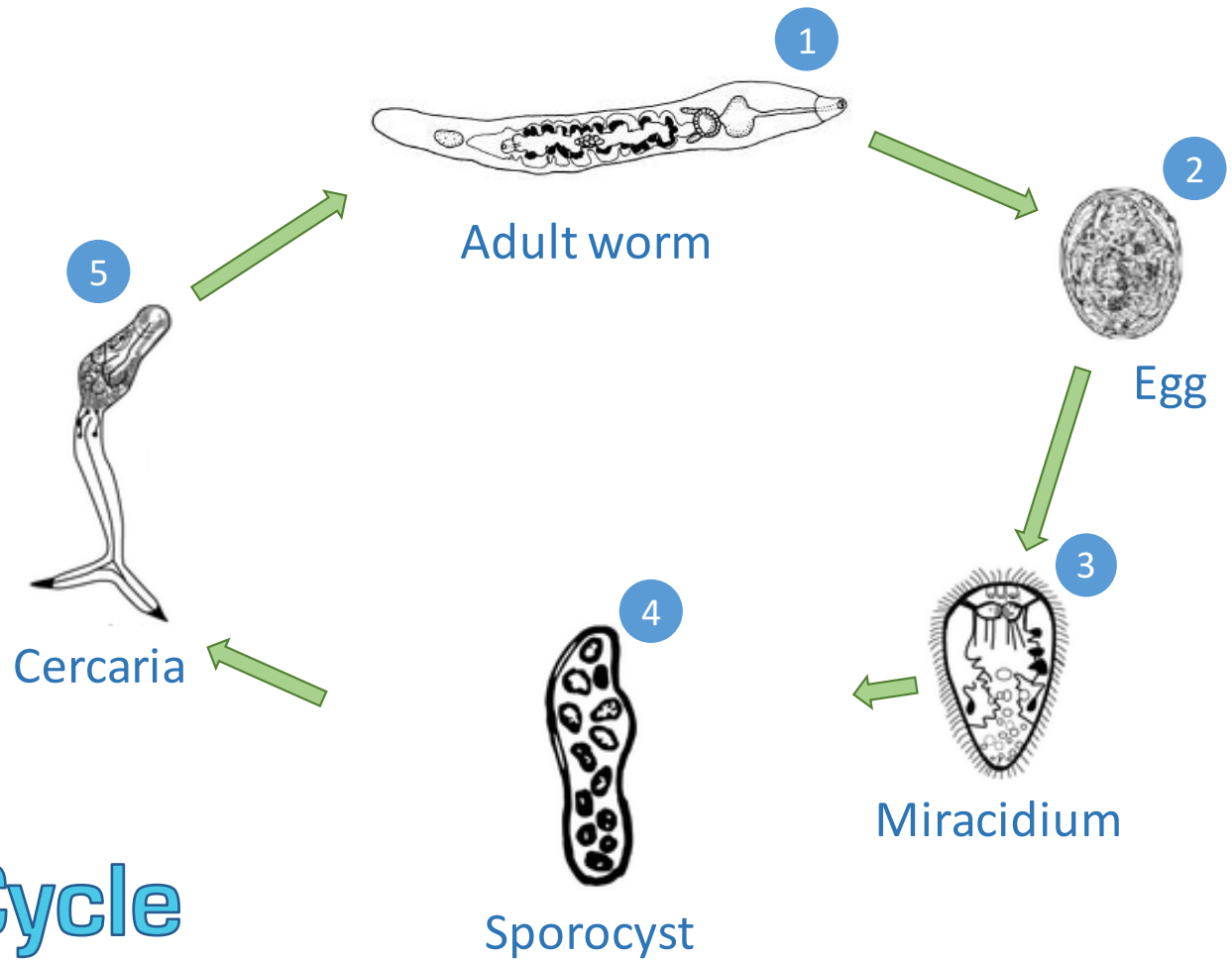
Leelanau Clean Water

Stay Healthy While Swimming: What to Consider
When Enjoying Northern Michigan Lakes



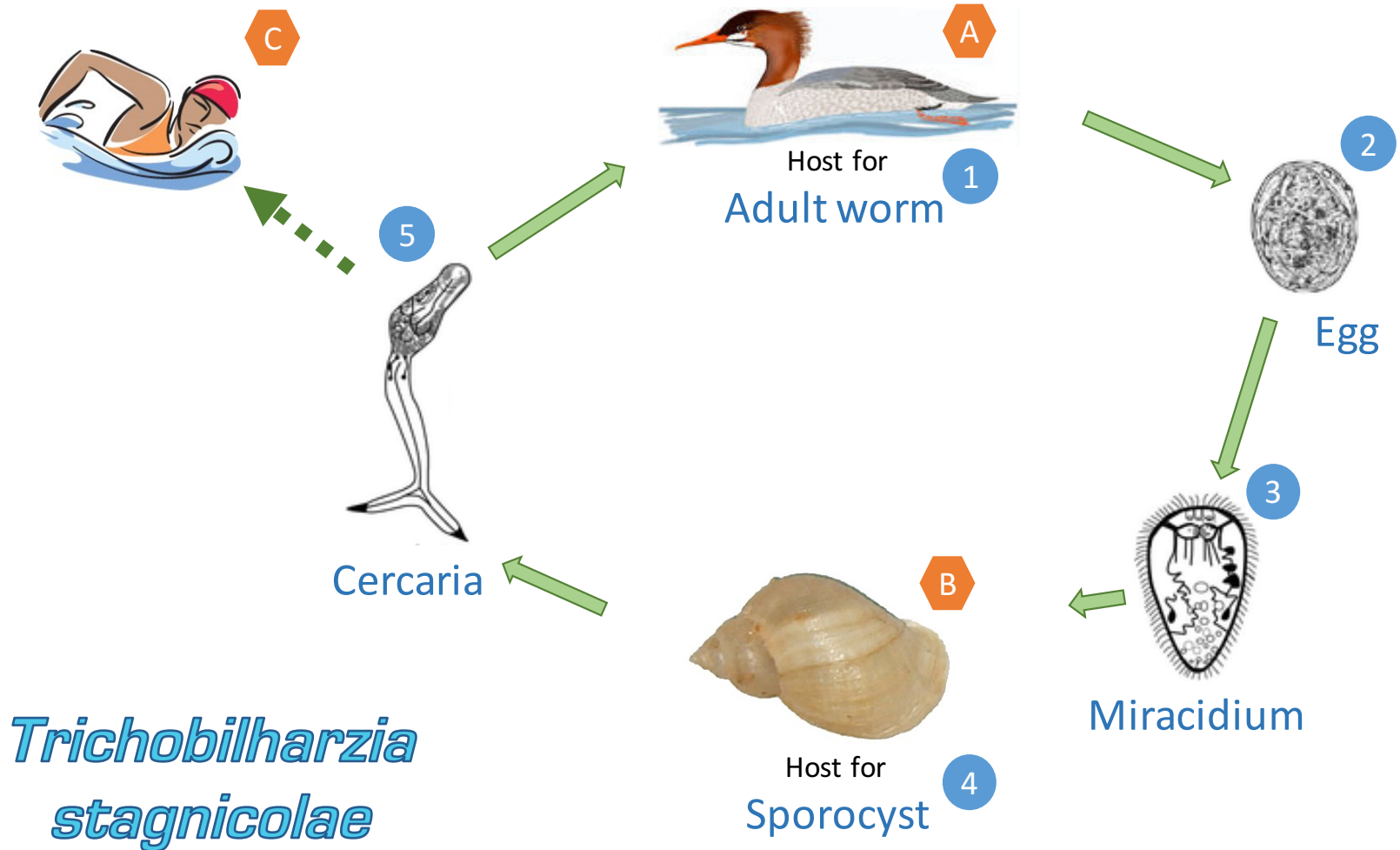
“Swimmer’s Itch: What it is, how to avoid it, what’s being done”

Swimmer's Itch: *What It Is*



The Life Cycle

Swimmer's Itch: *What It Is*



Swimmer's Itch: *How To Avoid It*

- Toweling off?



Swimmer's Itch: *How To Avoid It*

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- Applying preventative cream?



Swimmer's Itch: *How To Avoid It*

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- Swimming in deep water?



Swimmer's Itch: *How To Avoid It*

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- Clearing *Stagnicola* sp. snails from your beach?



Swimmer's Itch: *How To Avoid It*

- Toweling off?
- Applying preventative cream?
- Swimming in deep water?
- Clearing *Stagnicola* sp. snails from your beach?
- Wearing waders or a wet suit 😊



Swimmer's Itch: *How To Avoid It*

- Toweling off?
- Applying preventative cream?
- Swimming in deep water?
- Clear *Stagnicola* sp. snails from your beach?
- Wearing waders or a wet suit 😊
- Trapping and relocating common mergansers!

Swimmer's Itch: *What's Being Done*

- Trapping/relocating mergansers on Lakes Glen, Lime, and Leelanau



Swimmer's Itch: *What's Being Done*

- Trapping/relocating mergansers on Lakes Glen, Lime, and Leelanau
 - Proven in 1985-86 on Glen Lake (~90% reduction)
 - Replicated in 2015-16 on Higgins Lake (~90% reduction)
 - FWS trapped 121 mergansers last week

Swimmer's Itch: *What's Being Done*

- Replacing snail infection rates with qPCR and establishing a water collection protocol for Michigan riparians



Swimmer's Itch: *What's Being Done*

- Training GLA biologists to trap/relocate mergansers and run qPCR samples



Swimmer's Itch: *What's Being Done*

- Conducting research to empower individual lakefront owners to control swimmer's itch



Thank You!



Michigan Swimmer's
Itch Partnership

The text "Michigan Swimmer's Itch Partnership" is displayed in a red, serif font. The text is arranged in two lines, with "Michigan Swimmer's" on the top line and "Itch Partnership" on the bottom line. A reflection effect is visible below the text.

LIME LAKE ASSOCIATION

The text "LIME LAKE ASSOCIATION" is displayed in a blue, sans-serif font. The text is arranged in a single line. A reflection effect is visible below the text.