

Short Ears, Long Tales

Courte Oreilles Lakes Association

Turtles, Turtles, Everywhere By Allison Slavick



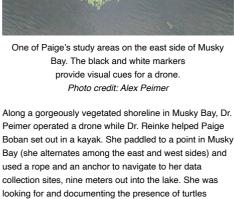
researchers from Northeastern Illinois University (NEIU) offered a new appreciation of nature. Dr. Beth Reinke,

undergraduates carrying out ecological and behavioral research on painted turtles on Lac Courte Oreilles in Musky Bay. Paige Boban and Caroline Byrne's independent research projects will earn them academic credit, and their infectious enthusiasm, intelligence, and inquisitive minds will provide bright futures. With field assistance and tutelage (turtelage?) from Dr. Reinke, rounding out their team was Dr. Alex Peimer, Assistant Professor of

communities on habitat use by painted turtles, and is

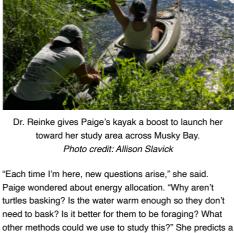
grounded in the observation that both the distribution of plants and the location of turtle activity change over the summer; Paige has set out to discover if these two

occurrences are related. She became interested in the correlation between turtles and vegetation in 2021, when she helped Dr. Reinke sort game-cam photos of turtles. "Early in the summer, there were piles of turtles basking on logs. Toward the end of the summer, the photos were empty," she said. So much so, that they began to wonder if the data were correct. "In May and June, a big fallen tree was covered with turtles. By August, there was so much emergent aquatic vegetation, we couldn't even see



among vegetation, in semi-vegetated areas, and swimming in open water. This was her first trip of the day

- with two more scheduled - and she did not see any



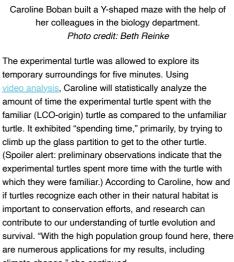
painted turtles, a component of their social behavior. "The sociality of mammals and birds is a common research area, but reptiles and amphibians are vastly

Caroline's field work comprises recognition among

correlation between plant growth and turtle presence. "It may not be direct, as water temperature could also

correlate with turtle activity." Paige presented preliminary results from her study at an Animal Behavior Society conference in San Jose, Costa Rica in July.

shaped maze of particle board, with the two arms of the Y separated by panes of glass. An "unfamiliar" turtle from Grindstone Lake, and a "familiar" turtle from LCO were placed in each of the arms of the Y, and an "experimental" turtle from LCO in the trunk of the Y. Shallow well water in the maze allowed them to swim or walk. Her project design used all males or all females to eliminate a bias. The familiar and unfamiliar turtles remained the same, but a new experimental turtle was used each of the 18 times she carried out the test, which were all completed in one dav



new set of variables and methodologies. Caroline has two more years of coursework, and both young women plan to enter a PhD program to continue their scientific research on turtle behavior and ecology.

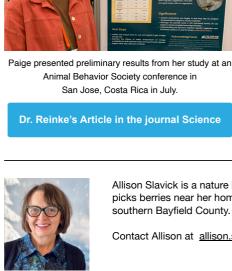
The activities of a turtle in the maze were recorded for five minutes. Both Caroline and Paige will seek to publish the results of their research. Paige wants to return next summer with a

creatures who share it.' Caroline Byrne's research looks at the sociality of turtles.

population found here is ideal for my research," she said.

Photo credit: Allison Slavick

next summer with new methodologies. Photo credit: Allison Slavick



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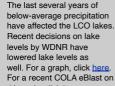
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hard at work since mid-June. First stop, Musky Bay for curly-leaf pondweed, then on to those sites with the most

Eurasian watermilfoil Chicago Bay, Anchor Bay,

and most recently in Little LCO. Multiple trailer loads of plants have been hauled away from the lakes. Much remains to be done. Maps of AIS locations are being made and updated for treatment next year. Commentation: LCO LAKES WATER LEVEL



this topic, click here.

1.8 1 18.2 [] 2021 LCO WATER QUALITY



I-LIDS ON THE LOOKOUT

LIDS) is now operational at the DNR landing in Chicago

Bay. The <u>I-LIDS system</u> uses advanced sensors that tell it

when a boater has entered

ideo monitoring of the

the launch area and turns on

bottom of the boat to identify whether there are aquatics

present on the trailer or boat.

The Internet Landing Installed Device Sensor (I-

It also captures clean-off activity by the user. The video capture is performed through a wireless Internet Video Camera that transmits images to the cloud for later COLA WEBSITE UPDATE COLA's website has been redesigned. It's simpler to navigate and more informative. Take a look.



Wake protection ordinance for Town of Hayward now extends 700 feet. The Town

of Bass Lake instituted a

milar ordinance in 2018.

(see article in Sawyer Co. Record)

WATER HEMLOCK

Please be on the lookout for

Water Hemlock (Cicuta

spotted in several places around LCO. It has a similar appearance to Water Parsnip, Queen Anne's Lace and other members of the Parsley family. More information

maculata) - it's very poisonous. It has been



Join UW-Extension Forestry in Cable, WI to learn about forest health with your local DNR forest health specialist Paul Cigan and other natural

resources professionals There will be a bus tour

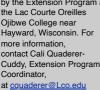
through Cable, WI to look at wide scale forest health in local woodlands and some

short hikes to learn about

well-known tree killers such

as Emerald Ash Borer and

oak wilt, as well as emerging threats such as caliciopsis canker. (<u>Brochure</u>) (more details) Cable 🚄 latural **History** Museum



9/17 Hawk Ridge, Duluth, 9/24 Blue Hills Felsenmeer

> OBSERVATION FORMS

SEE ANYTHING

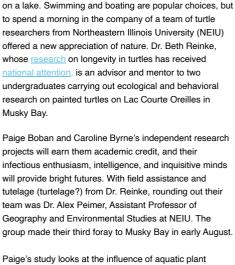
(more)

WEIRD? If you observe green water, algal mats on the surface or floating or dying fish anything out of the ordinary please take pictures and report this using COLA's observation forms immediately! COLA alert the WDNR, the LCO Tribe, collect water samples, etc.

SHORT EARS COLA NEEDS YOUR ONGOING SUPPORT

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<u>ARCH</u>





understudied," she explained. In other words, do turtles form social groups? Are they cooperative? To carry out her field study Caroline, with help from a few

colleagues in the biology department, constructed a Y-



As for Dr. Reinke, she'll be back next year, with another cohort of student researchers with new study projects. "I've been coming to Lac Courte Oreilles since I was a

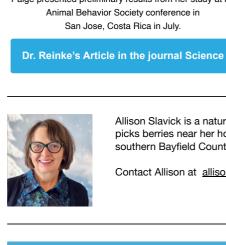
child, and I am thrilled to return here to contribute to our

said. "The pleasure of seeing a row of turtles basking on a

understanding of the lake's ecology and wildlife," she

log contributes to our desire to care for the lake and the In other words, do turtles recognize each other? "The high

Paige Boban's research looks at the correlation between aquatic plants and painted turtles. She'll expand her work



Hayward, WI 54843 communications@cola-wi.org

COLA Mission: 1) to protect, preserve and enhance the quality of Lac Courte Oreilles and Little Lac Courte Oreilles, their shorelands and surrounding areas, while respecting the The eNewsletter Editor can be reached at:



Cable Natural History Museum The Cable Natural History Museum returns this fall with familiar favorites like Sounds of the Elk, Forest Lodge Tours, and Talon Talk Live

Raptor Programs. (details)

HISTORY FIELD TRIPS Here are this year's natural history field trips sponsored by the Extension Program at the Lac Courte Oreilles Ojibwe College near Hayward, Wisconsin. For more information, contact Cali Quaderer-

2022 NATURAL



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organization. That means essential jobs don't get done unless someone steps up to help out. Contact communications@cola-wi.org if interested or you need more information.

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interests of property owners and the rights of the general public; and 2) to consider, study, survey and respond to issues deemed relevant by COLA's membership. COLA P.O. Box 702

