# TO DATE OF THE CONTRACT OF THE PROPERTY OF THE







#### La Crosse Gun Club The Marsh and the

pigeons used over 50 years ago! the marsh shoreline you can still find fragments of the clay (now used as a picnic shelter). If you look around carefully near Park was the site of four trap fields as well as a gun club shelter beginning in the 1920s, until the facility closed in 1963. Myrick shooting was a popular community pastime at this location trapshooting field built by the La Grosse Gun Club. Clay pigeon You are standing next to what was once a five-station

# What is Legacy Pollution?

studied its legacy in the marsh ecosystem health effects of lead, scientists have potentially harmful environmental lead into the sediment. Due to the zone. This shot has been breaking down over time, releasing marsh sediment. Most of the lead pellets remain in the shot fal nearly 40 years left millions of lead shot pellets buried in the In addition to clay pigeons, trapshooting over the marsh for

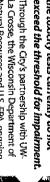
#### Plants and Animals in the Marsh? Is Lead from Old Shot Affecting Studying the Marsh's Legacy Pollution

analyzed water samples, aquatic floating plants (duckweed) Studies Center and the Wisconsin Department of Natural Crosse River Studies Center, a research team from the River Funded by the U.S. Environmental Protection Agency's development and survival of fish and invertebrates. determine whether lead in the sediments impacts the Toxicity tests were also performed in the laboratory to and fish (bullhead, bluegill, northem pike) for lead content aquatic insects in the sediment (long-homed caddis flies), Resources set out to answer that question. The team Urban Waters program, UW - La Crosse, and the UW - La

detected in laboratory tests. transferring through the food web, minimal toxicity was and animals living in the shot fall zone. Although lead is concentration of lead in the water, duckweed and caddis Results indicate that as lead in the sediment increases, the move from the marsh sediment and accumulate in plants lies also increases. Over time, lead from the shot can

#### Marsh and Public Health? What Does this Mean for the

the water, plants and animals, and exceed the threshold for impairment the toxicity tests currently do not the sediment, the amount of lead in While lead has been found to escape



La Crosse, the Wisconsin Department of pollution to determine if there is a threat sampling will monitor legacy lead Natural Resources and U.S. EPA, ongoing

contact with marsh sediment in the contaminated area At this time, it is recommended that the public avoid

#### Marsh Food Web Work? How Does the

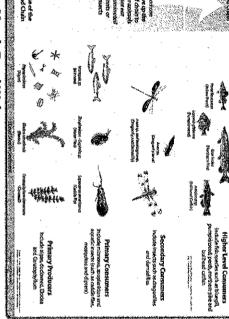
The La Crosse River Marsh is home to a remarkable variety of plants and animals. If lead is found in duckweed and caddis flies, it is potentially also making its way into other plants and insects in the marsh. Once lead is in plants and insects, it can be introduced into the marsh food web. The lead can then move up the food chain to insects, including fish and waterfowl other animals that eat contaminated plants or

### Common Marsh Species









The Marsh Food Web

## For More Information

Yоu

LEAD (chemical symbol Pb)

ead is a naturally

Know 4

Project partners are working together to make sure the La Crosse River Marsh remains a healthy and vibrant ecosystem and a community treasure for generations to come. If you would like more information or have questions about legacy lead pollution, monitoring or other topics, please contact

608.785.8261 or http://www.uwlax.edu/river\_studies\_center/ University of Wisconsin – La Crosse River Studies Center

|-888-936-7463 or <u>http://dnr.wi.gov/</u> Misconsin Department of Natural Resources









