# Lower Menominee River Area of Concern

The tide is turning for the Lower Menominee River. Toxic sediments are being removed and habitat restoration is underway in much of the AOC. The river is becoming a more valuable resource for recreation and the local economy, as fish and wildlife benefit and public enjoyment opportunities improve.



**Restoration Sites in the Lower Menominee River Area of Concern** 



Lower Menominee River – part of the largest fresh surface water resource in the world – the Great Lakes ecosystem

For more details about AOC progress and projects, refer to the Area of Concern Remedial Action Plan Updates, available at http://dnr.wi.gov/topic/greatlakes/aoc.html



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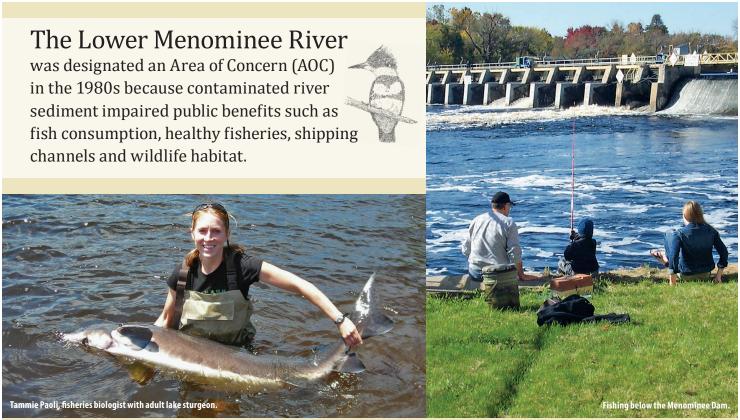


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http://fyi.uwex.edu/aocs/menominee raphic Design by Jeffrey J. Strobel, UW-Extension Environmental Resources Center



## BENEFICIAL USE IMPAIRMENT RESTORATION REPORT





The Wisconsin Department of Natural Resources (WDNR) and citizen groups identified six Beneficial Use Impairments (BUIs) to target here for improving the river.



Summer 2013

See progress report inside 🔶

# Lower Menominee River AOC – Restoration Status Update

Summer 2013

Tackling AOC problems, which are expressed as Beneficial Use Impairments in the Area of Concern program, requires several steps. We must understand their causes and define their extents through monitoring, assessment and data analysis. We then determine the necessary actions to address the problems, and implement them.

Actions to address AOC problems can be large and complex, requiring the coordinated efforts of many partners over multiple years. Upon completing the necessary actions, we must verify through monitoring that we have achieved our goals for cleanup



Volunteers helping with buckthorn removal on Strawberry Island to improve the rookery.

and restoration. Once the goals have been met and the problems have been addressed, the AOC designation can be removed.

This update shows the current status (Summer 2013) of the removal phases for six impairments of the Lower Menominee AOC - complete, *underway, not started, or not required* – and the next steps.



nest platform in a quiet backwater area, sampling sediments from the river bottom, and state- and federally-endangered piping plovers





#### **BUI Removal Phases:**

- MA MONITOR & ASSESS: define the problem, establish baseline, gather data.
- **DR DATA UNDER REVIEW:** literature searches, lab results not yet analyzed/ summarized, understanding the data by consulting with experts, etc.
- **DP DEVELOP AOC PROJECTS:** engage stakeholders to develop the set of projects that are necessary for reaching AOC goals.
- **IMPLEMENT PROJECTS:** take action to improve conditions within the AOC if monitoring data shows goals are not being met.
- VERIFY RESULTS: this phase includes the step of monitoring to check conditions after action has been taken. Once targets are reached, prepare a proposal to remove the BUI with input from stakeholders.

#### Status of Each Phase:

not required	not started	underway	complete
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### **NEXT STEPS:**

- Collect remaining fish tissue samples from the Lower Scott Flowage.
- Compare mercury, PCB, and dioxin concentrations from fish within the AOC to reference sites, assess if targets have been reached.

0 0 0 0 0 MA VR IP DR DP

# **Dredging activities** for commerce or navigation are restricted

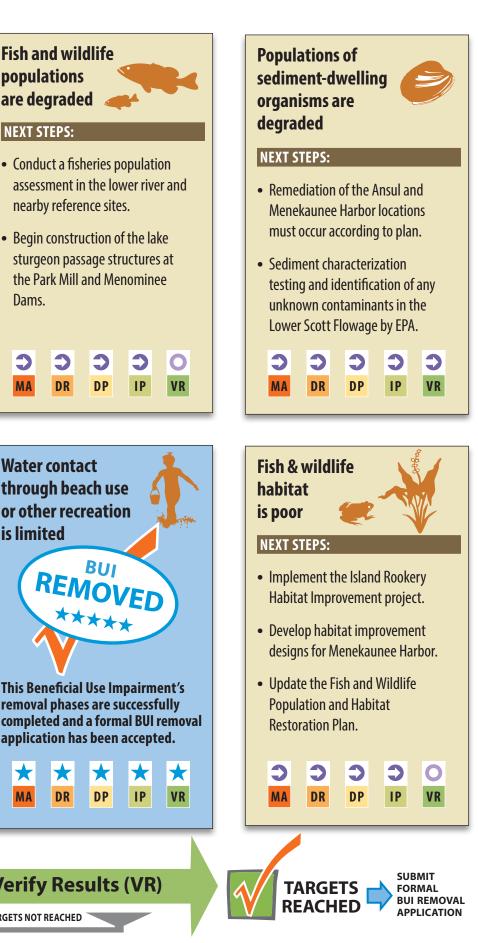
### **NEXT STEPS:**

- Remediation of the Ansul and Menekaunee Harbor locations must occur according to plan.
- Sediment characterization testing and identification of any unknown contaminants in the Lower Scott Flowage by EPA.



- Dams.

0 MA



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MA	DR

**Monitor and Assess (MA)** 

Data Under Review (DR)

Develop AOC Projects (DP)

**Implement Projects (IP)** 

