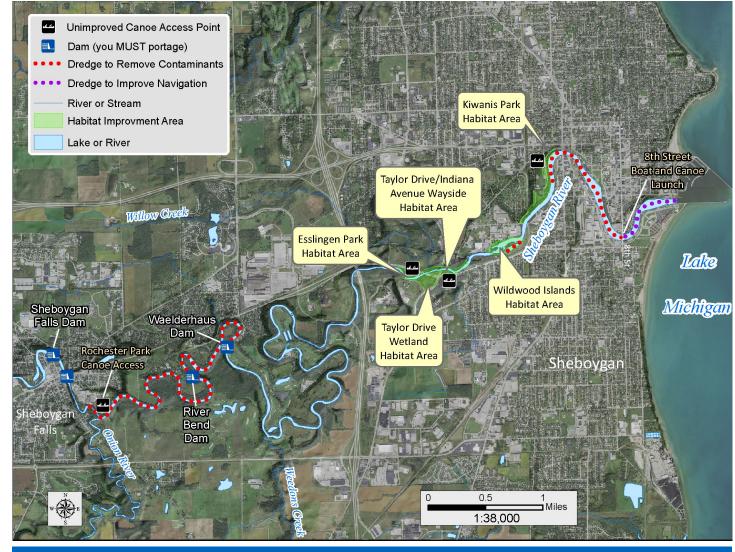
Sheboygan River Area of Concern

AOC goals are met when the benefits of the Sheboygan River to people and wildlife have been restored to an acceptable level. We will achieve this when public uses are no longer impaired by legacy contamination, and native plants and wildlife are sustainably protected. With toxic sediments removed and habitat restoration completed, the river is becoming an ever more valuable resource for recreation and the local economy.





Sheboygan River— part of the largest fresh surface water resource in the world— the Great Lakes ecosystem

Wisconsin Department of Natural Resources, Office of Great Waters



To learn more about Sheboygan River AOC projects and progress visit http://dnr.wi.gov, search "Sheboygan AOC." For more details, refer to the Area of Concern Remedial Action Plan Updates.



Brochure developed by the UW-Extension Regional Natural Resources Program and the Wisconsin Department of Natural Resources, Office of Great Waters Graphic design by Jeffrey J. Strobel, UW-Extension Environmental Resources Center

Sheboygan River Area of Concern

BENEFICIAL USE IMPAIRMENT RESTORATION REPORT





Summer 2020

Sheboygan River AOC – Restoration Status Update

Summer 2020

The Sheboygan River is healing, thanks to concerted efforts to clean up and restore the river from 2010 to 2013.

After careful planning, all actions deemed necessary for achieving AOC goals were completed, including removing more than 400,000 cubic yards of contaminated sediments from the lower river and inner harbor and restoring fish and wildlife habitat.

With all necessary AOC actions complete, the focus is now on monitoring to verify that AOC goals are being met. It will take time for the natural system to recover following cleanup actions and habitat restoration. Several monitoring projects are underway to determine if goals are being met for the remaining impairments. Results are being evaluated by technical experts and will inform next steps.

This update shows the current status of the removal phases for nine impairments in the Sheboygan River AOC – *complete, underway, or not started* – and next steps. Dates in parentheses indicate the anticipated calendar year of project completion.







Above: Sediment removal by Army Corps of Engineers. *Left & below*: Camp Y-Koda volunteers monitor mussels and other aquatic life on the Sheboygan River. This data helps us measure how the environment, fish and wildlife are responding to the cleanup and restoration actions in the AOC.



BUI Removal Phases:

MONITOR & ASSESS: define the problem, gather data and review literature, consult with experts.

DP DEVELOP AOC PROJECTS: engage stakeholders to develop the set of projects that are necessary for reaching AOC goals.

IP IMPLEMENT PROJECTS: take action to improve conditions within the AOC if monitoring data shows goals are not being met.

VERIFY RESULTS: after actions have been taken, monitor to determine if target has been met.

FORMAL BUI REMOVAL: targets have been met. BUI removal documentation is being prepared or reviewed, or has been submitted.

Status of Each Phase:

Not Started Underway Complete



NEXT STEPS:

- USGS study results indicate that benthic communities in the AOC are similar to non-AOC sites.
- Preliminary results from a USGS sediment toxicity study suggest that sediments are not toxic to aquatic life. Final report is pending.
- Propose to remove this impairment in 2020.



There are health concerns with eating fish and wildlife

NEXT STEPS:

- Continue assessments of waterfowl consumption advisories until 2021.
- Sampling for diving and dabbling ducks continues, as targets have not yet been met. Geese do not need to be tested in 2020 as their PCB levels are within targets.
- Assess fish consumption advisories again in 2020 and 2021.







This Beneficial Use Impairment's removal phases are successfully completed. A formal BUI removal application was accepted in August 2015.





NEXT STEPS:

- Verification monitoring of aquatic insects, birds, bats, mussels, reptiles, and amphibians concluded that populations are stable or recovering (2020).
- Propose to remove this impairment as a joint package with the habitat impairment in 2021.



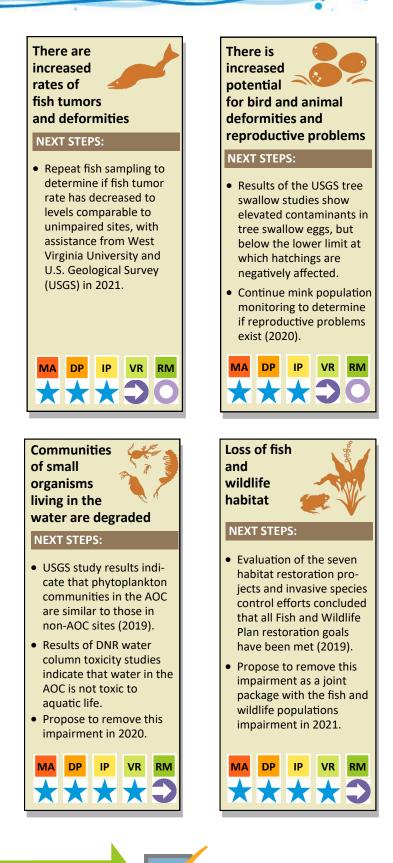


This Beneficial Use Impairment's removal phases are successfully completed. A formal BUI removal application was accepted in November 2015.



(RM)

Monitor and Assess (MA)	Develop AOC Projects (DP)	Implement Projects (IP)	Verify Results (VR)	Formal BUI Removal
		1	← RETURN TO PROCESS STEPS IF TARGETS NOT REACHED	



BUI REMOVED