

Thank you for your comment, Kristen Blann.

The comment tracking number that has been assigned to your comment is GLMRIS50493.

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GLMRIS

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Attachment: Eco-Sep Resolution - Final Rev 3.pdf

Comment Submitted:

The Minnesota Chapter of the American Fisheries Society shares the concerns of many on the adverse affects of Asian carp on the ecosystems of the Great Lakes and Mississippi River and risks to biodiversity. As members of the North Central Division of the American Fisheries Society, we recently signed on to the attached resolution calling for permanent ecological separation of the Great Lakes drainage from the Mississippi River drainage to fully prevent the range expansion of all AIS species and life forms via the CAWS. The resolution also states that the selected approach to separation of these two major Midwest watersheds should address and minimize or mitigate all impacts to the current services provided by the CAWS including commercial and recreational navigation, wastewater discharge and storm water conveyance.

Resolution on Ecological Separation of the Great Lakes and Mississippi River Drainage Basins

Whereas Aquatic Invasive Species (AIS) have adversely affected the ecosystem of the Great Lakes and Mississippi River and place the biodiversity and economic uses of our native ecosystems at risk and

Whereas the Chicago Area Waterways (CAWs) made permanent the intermittent aquatic connection between the Mississippi River and Great Lakes drainage basins and

Whereas AIS including round goby, white perch and zebra mussel have recently used the CAWs to expand their ranges from the Great Lakes into the Mississippi River basin and

Whereas *Daphnia lumholtzi* moved into the Great Lakes basin via this pathway and bighead and silver carp are on the verge of entering the Great Lakes via the CAWs and

Whereas additional AIS may use the CAWs for range expansion and

Whereas an electric barrier has been installed on the CAWs to reduce the risk of AIS movement between the Great Lakes and Mississippi River and

Whereas electric pulse and acoustic or visual barriers rely on organism response to be effective and

Whereas the electric barrier is effective only on life forms able to respond to the discomfort of the electric field and swim against the water flow and

Whereas the electric barrier is less effective on small fish and ineffective on planktonic life forms and

Whereas the CAWS are important for interstate commerce and a vital corridor for commercial and recreational navigation in the Chicago Region and

Whereas tow boats or barges with water ballast or damaged barges can transport water across the barrier potentially serving as a vector to move organisms independent of the organisms' response to an electric field and

Whereas alternative technology is available to lift and move heavy cargo, ships and recreational vessels overland and

Whereas the CAWS are a critical conduit for the conveyance of waste water and storm waters from Chicago and

Whereas water quality can be a barrier, but the effect will likely not be localized nor effective on all life stages of all aquatic organisms and

Whereas in order to be effective and localized, chemical barriers would require constant treatment and detoxification and

Whereas waste water treatment systems can be improved to treat sanitary discharges such that they meet Great Lakes discharge standards and

Whereas alternative solutions can be engineered to address periodic storm water conveyance needs in the CAWS now

Therefore Be It Resolved That the members of the North Central Division of the American Fisheries Society call for permanent ecological separation of the Great Lakes drainage from the Mississippi River drainage to fully prevent the range expansion of all AIS species and life forms via the CAWS and

Be It Further Resolved that the selected approach to separation of these two major Midwest watersheds should address and minimize or mitigate all impacts to the current services provided by the CAWS including commercial and recreational navigation, wastewater discharge and storm water conveyance.