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Efficacy Studies

USACE was directed in the Water Resources Development Act of 2007 to conduct a study of a range of options or technologies for reducing impacts of hazards that may reduce the efficacy of the Electrical Dispersal Barriers through analyzing various technical, environmental and biological factors. The electric dispersal barriers focus on the largest, most direct pathway, while the efficacy studies address other potential pathways.

- [Interim Report I](#): Identified areas of potential bypass and recommended construction of fence and concrete barriers along the Des Plaines River and a stone blockage in the I&M Canal. These measures reduce the risk of Asian carp bypassing the barriers during flooding. For more information about the bypass barrier, click [here](#) for an overview and [here](#) for facts.
- Interim Report II: Ongoing research to determine optimum operating parameters for the dispersal barriers. Operational Protocols for Electric Barriers on the Chicago Sanitary & Ship Canal: [Report | Fact Sheet](#)
- [Interim Report III](#): Presents an evaluation of the potential for risk reduction that might be achieved through changes in the operation of structures in the Chicago Area Waterway System (CAWS), such as locks, sluice gates, and pumping stations. The report recommended the construction and installation of bar screens for two sluice gates at both the O'Brien and Chicago Locks.
- [Interim Report IIIA](#): Considered how technologies such as bubbles, lights and sounds can inhibit Asian carp movement and recommended construction of an acoustic bubble curtain with strobe lights as a demonstration project.
- The final efficacy report addressing pathways not covered in the interim reports will be available in 2011.

Points of Contact:

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