

GLMRIS

GREAT LAKES AND MISSISSIPPI RIVER INTERBASIN STUDY



AQUATIC NUISANCE SPECIES



ECOSYSTEMS



NAVIGATION



RECREATION



FLOOD RISK MANAGEMENT

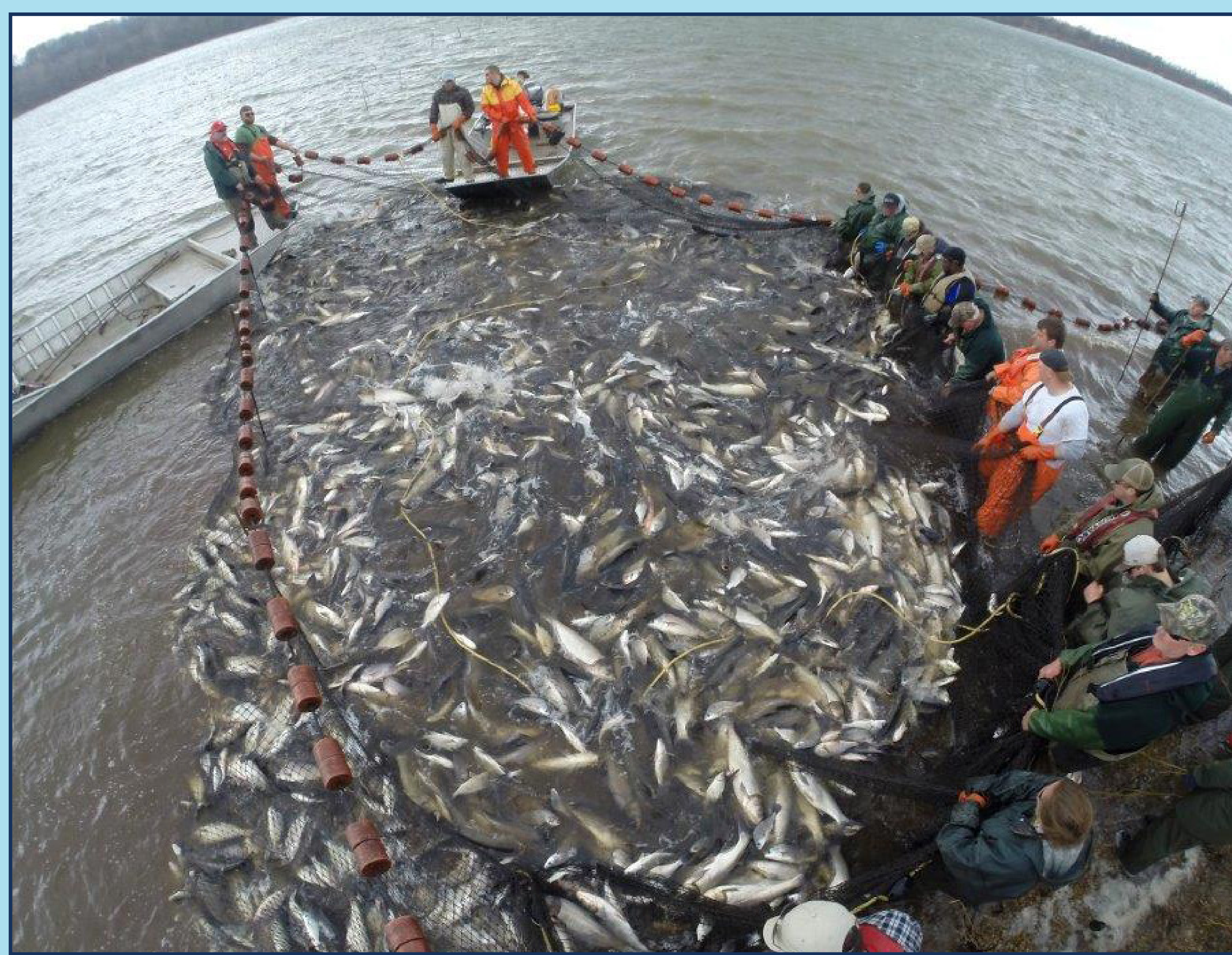


WATER USE

Brandon Road Aquatic Nuisance Species Control

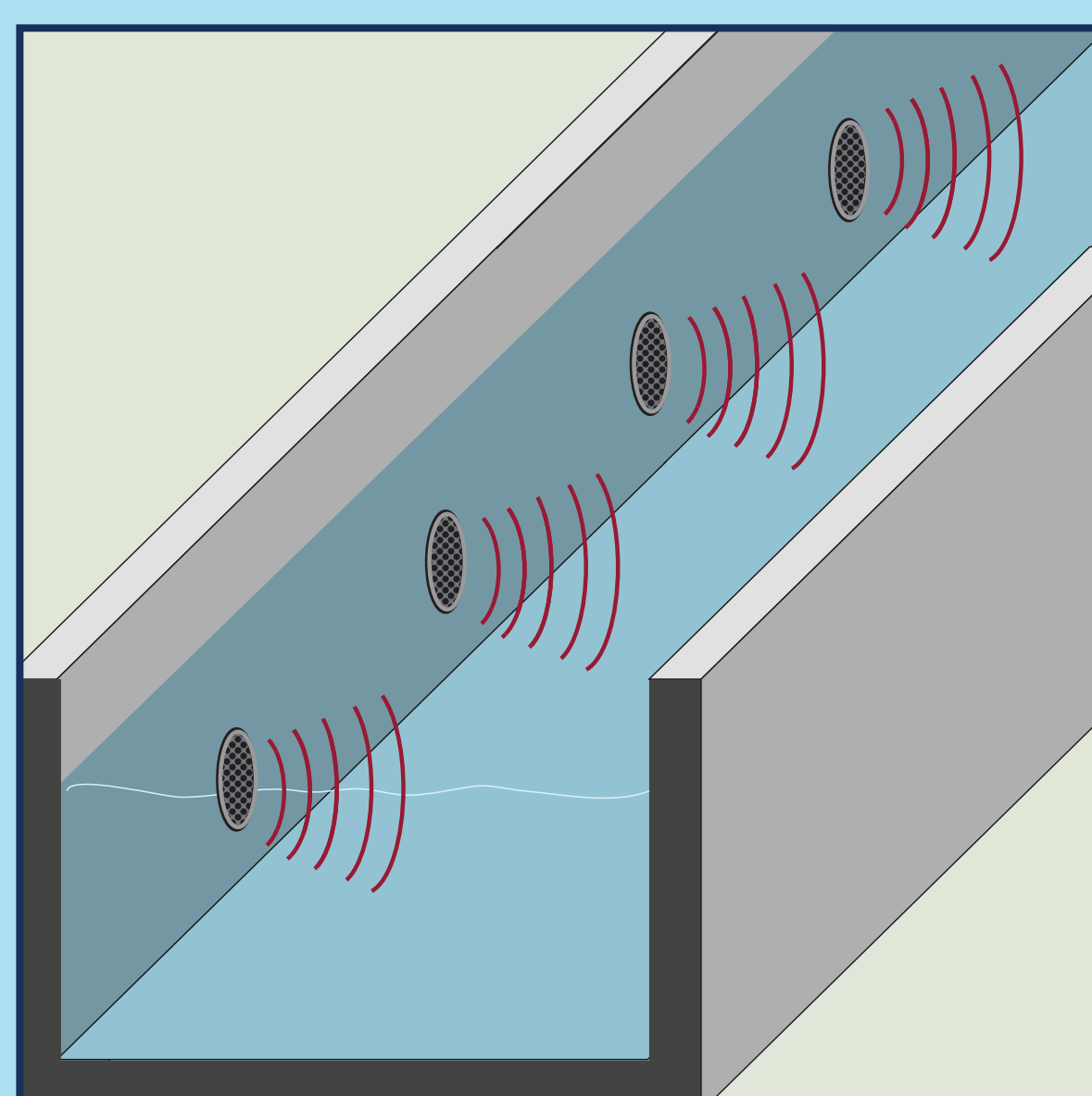
Nonstructural

Nonstructural controls do not require construction of structural features and may be implemented relatively quickly. The nonstructural control measures in the Tentatively Selected Plan include integrated pest management, monitoring, overfishing, piscicides, public education and outreach, and research and development of these controls.



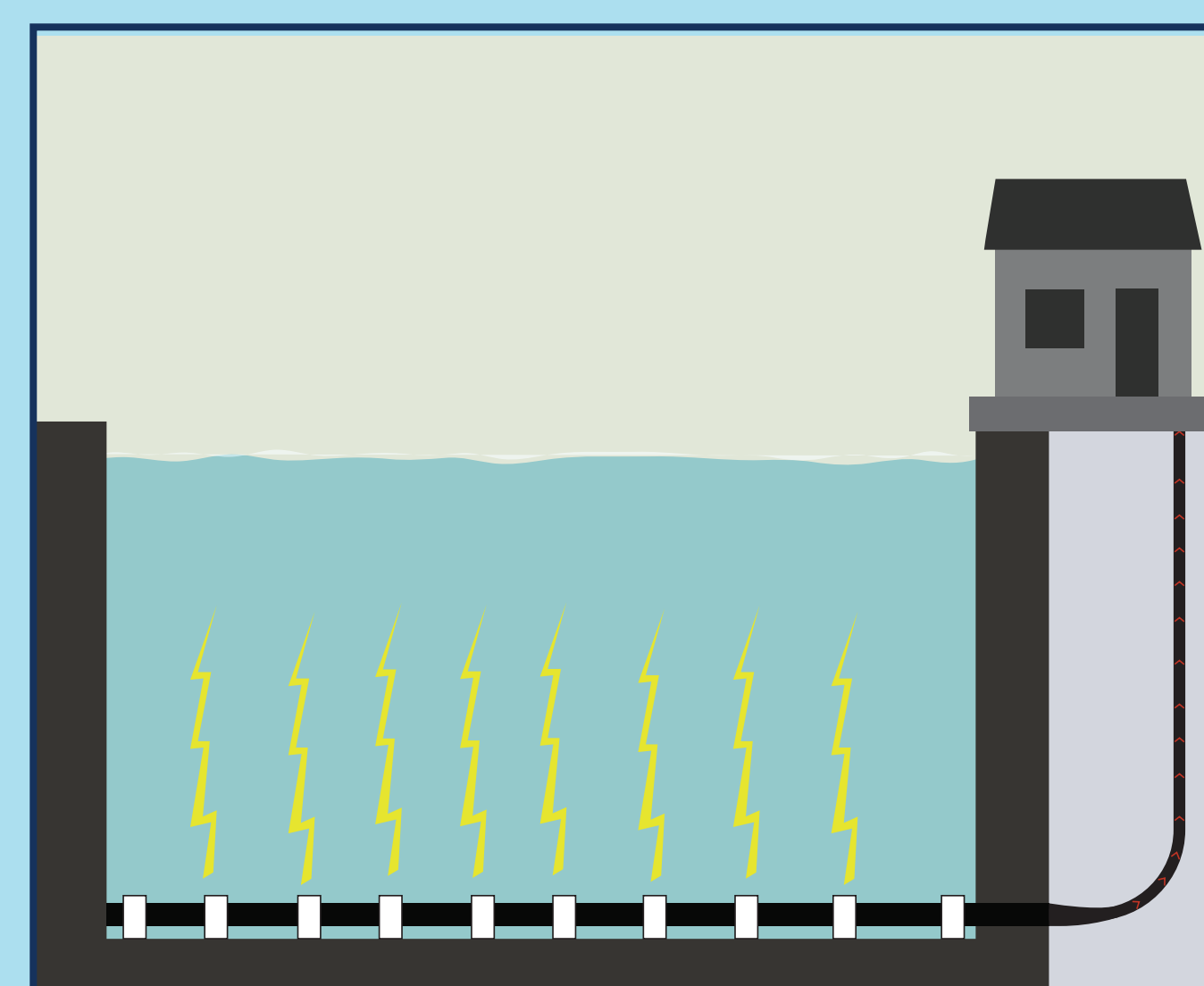
Structural

Structural controls require the design, construction and operation of a permanent feature in the vicinity of the lock and adjacent waterway and take longer to implement. The structural control measures in the Tentatively Selected Plan provide physical deterrents to swimming and floating ANS.



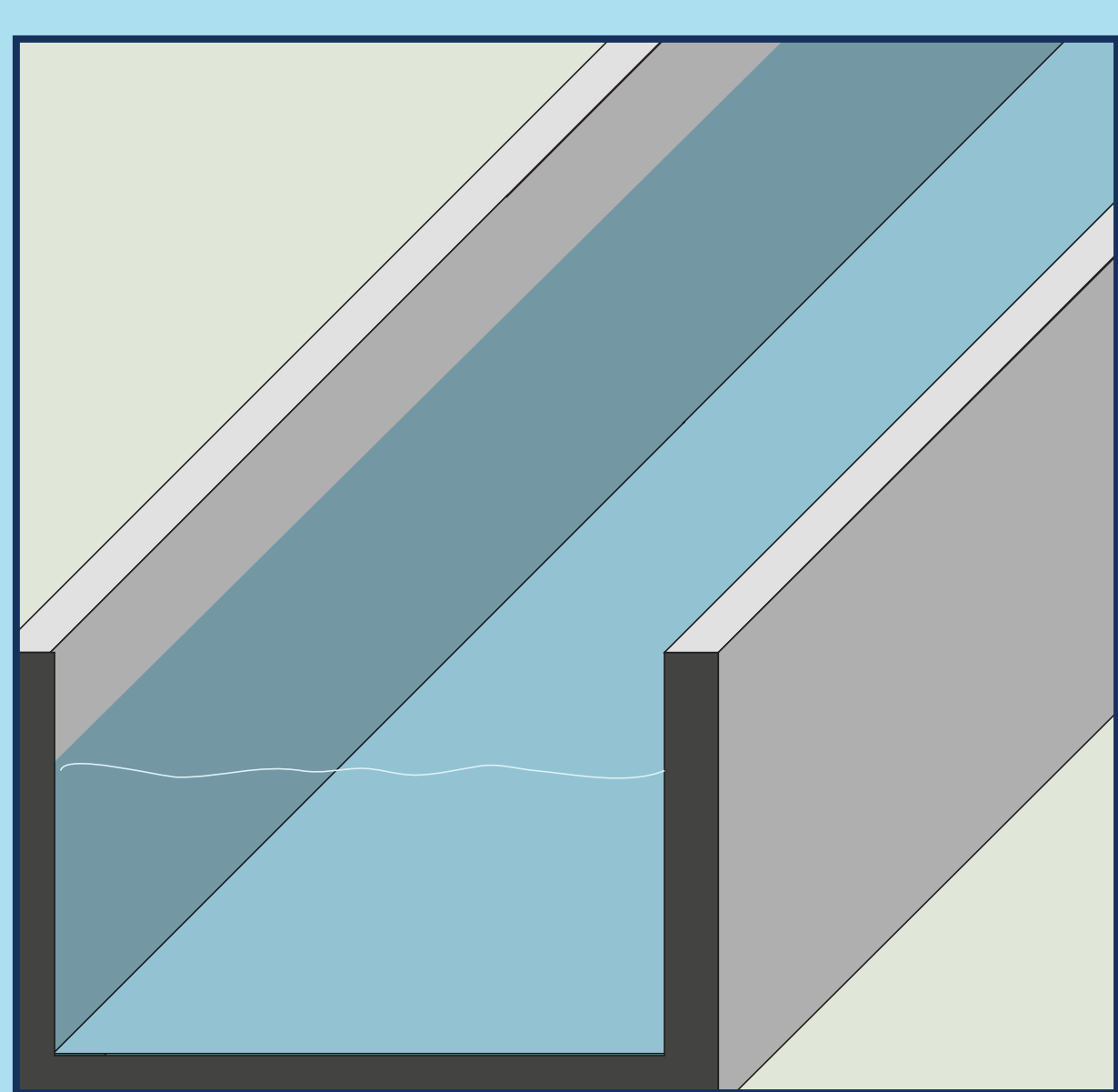
Complex Noise

Underwater sound generated to deter ANS fish species.



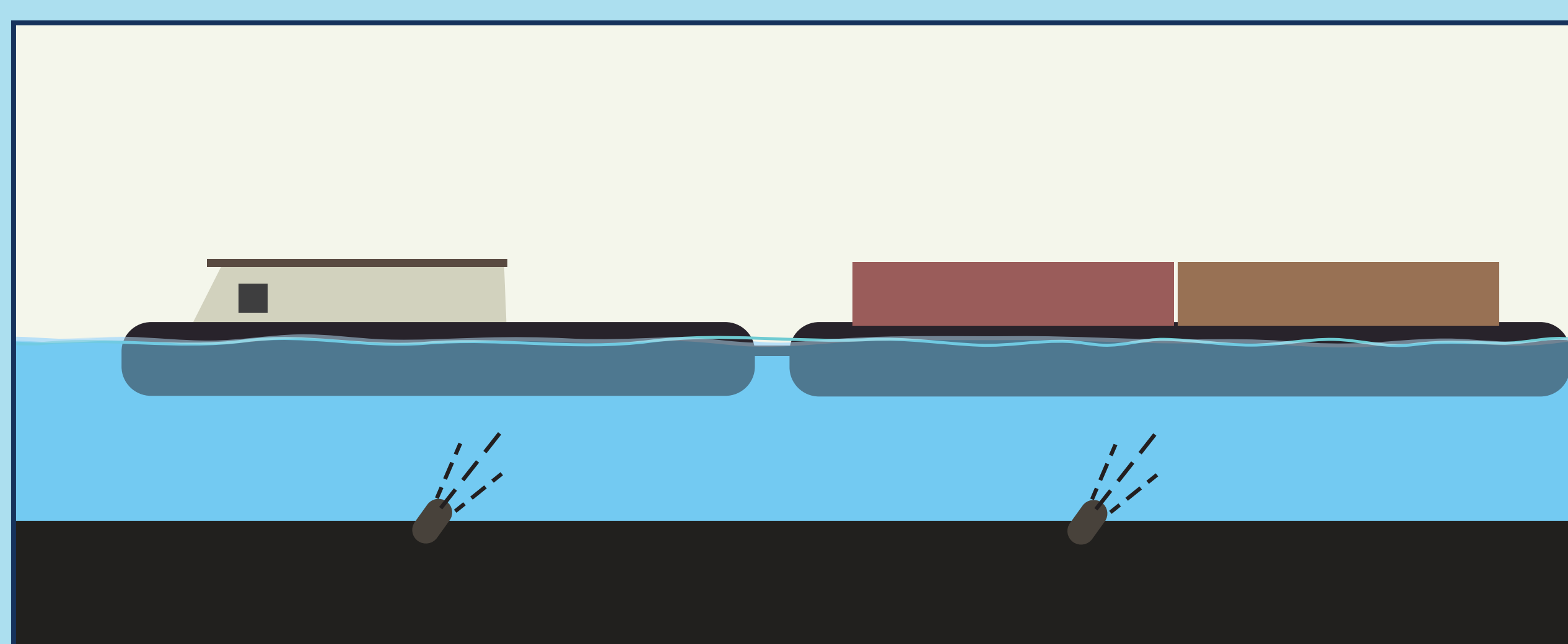
Electric Dispersal Barrier

Creates an electric field that repels fish.



Engineered Channel

A concrete structure installed within the downstream approach channel to the Brandon Road Lock that will house structural ANS controls. The engineered channel increases the efficacy and reduces the impacts of some ANS controls, and provides a platform to evaluate future ANS controls and potentially incorporate them.

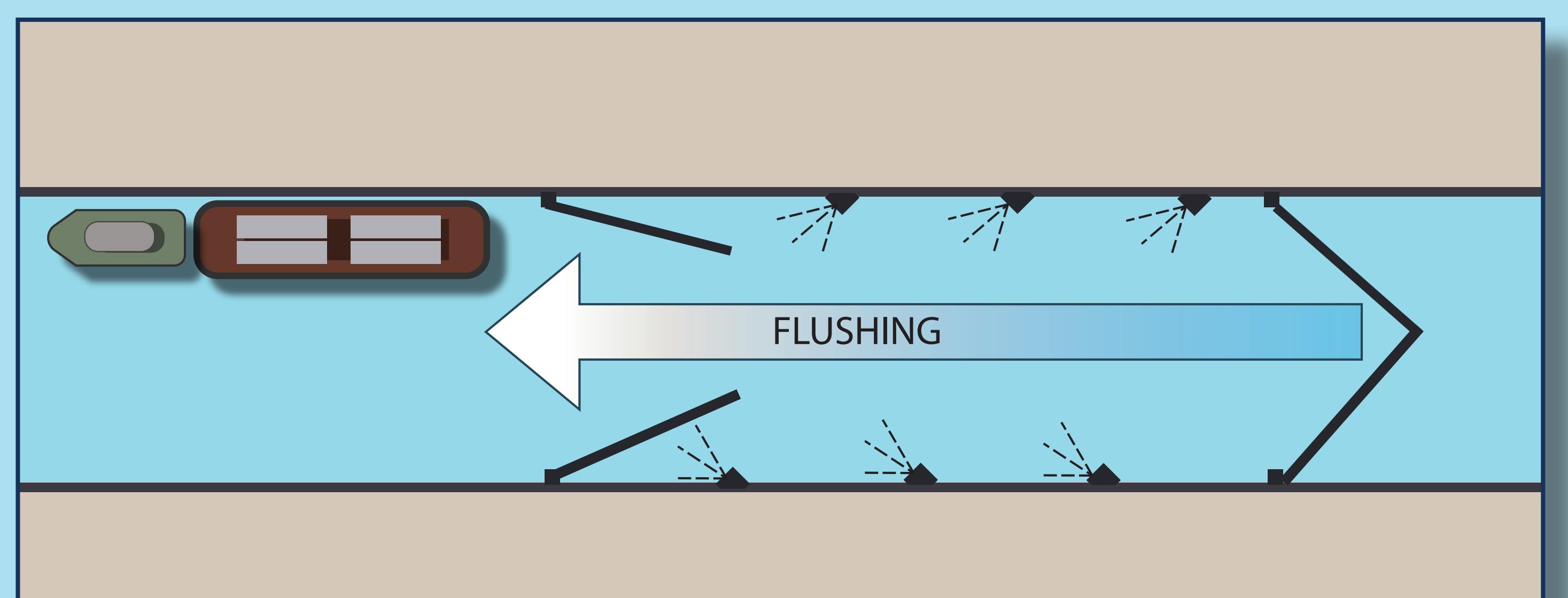


Water Jets

Designed to remove small and stunned fish that may become entrained in spaces between the barges.

Boat Launches

Sited upstream and downstream of Brandon Road Lock and Dam to address limited boat access for safety and ANS control measures.



Flushing Lock

Removes floating ANS from the downstream pool by flushing the lock with water from the upstream pool.

Temporary Mooring Area

Provides for reconfiguration of tows downstream of the electric barrier.



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