

Aquatic Nuisance Species Dispersal Barriers Monitoring

USACE works with other agencies to aggressively monitor the Chicago Sanitary and Ship Canal (logos represent the lead agency for the effort). Data helps determine the nature of downstream populations, monitors for the presence of Asian carp above the barriers and also informs analysis of the effectiveness of the barriers.



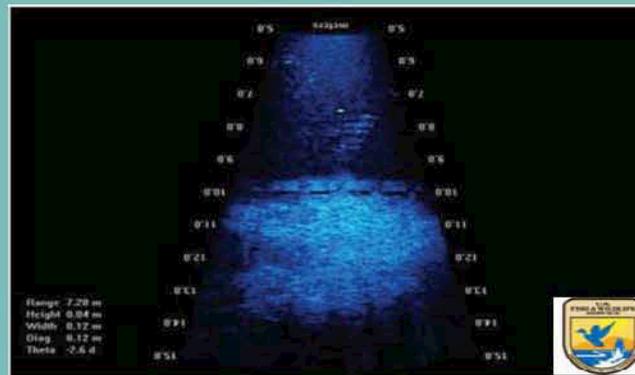
Traditional Netting



Electrofishing: Emitting an electric current from a boat and netting stunned fish



Environmental DNA surveillance: Extracting genetic material from water samples to identify the presence of Asian carp DNA in an area



Dual Frequency Identification Sonar (DIDSON): Observing real-time fish behavior from an underwater acoustic camera



Ultrasonic Telemetry: Tracking tagged fish through underwater stationary and mobile receivers