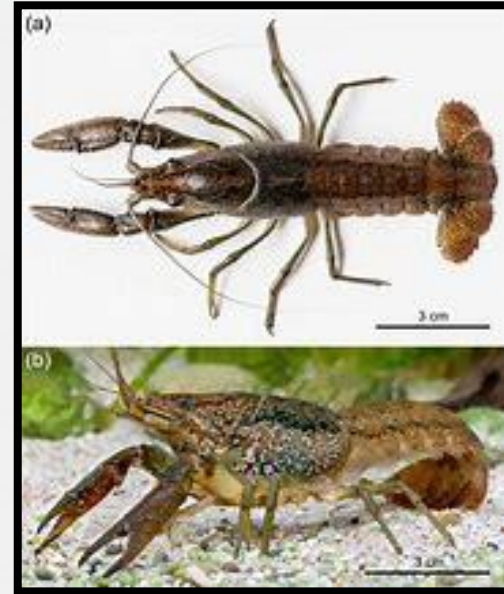
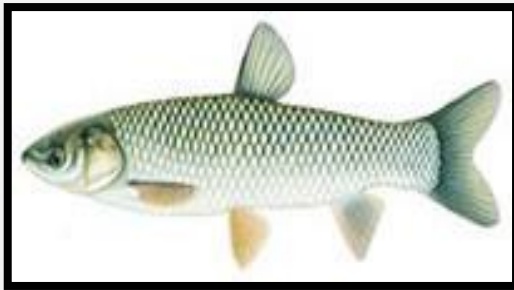


# Ohio AIS Update

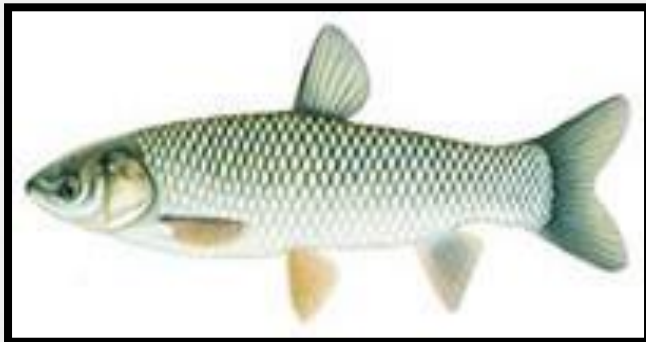
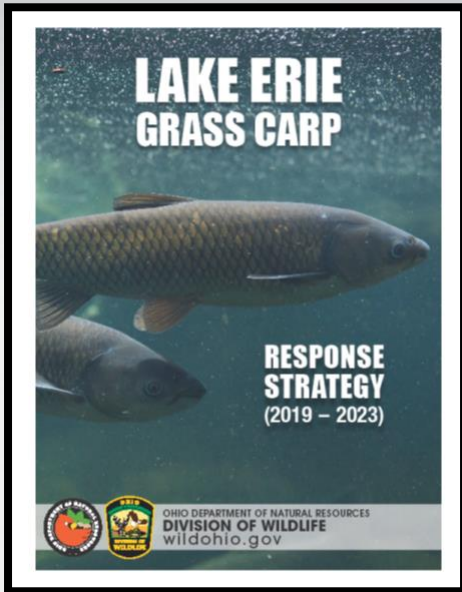
- Grass Carp
- Pet Trade



# Grass Carp

**Goal 1: Prevented Expansion Beyond Western Basin of Lake Erie**

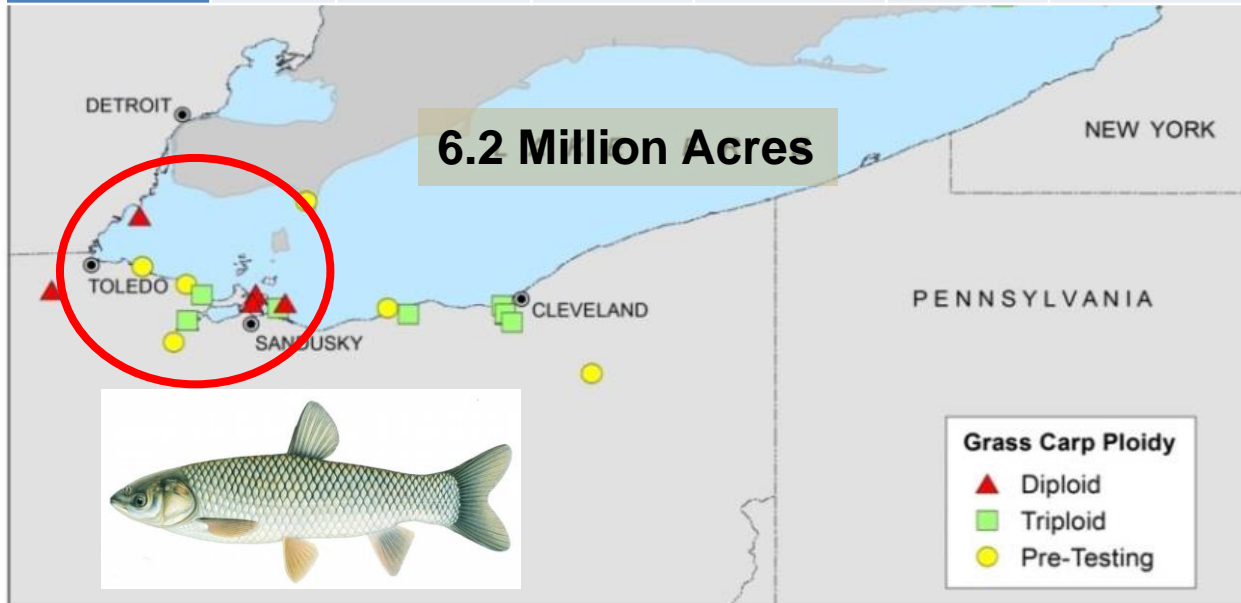
**Goal 2: Prevent Population from reaching levels that compromise aquatic communities.**



- Removal – 390
- Behavioral Barrier



Year	Lake Erie	Cuyahoga River	Maumee River	Sandusky River	Other River	Grand Total
2019	5	54	11	58	6	134
2020	14	0	7	92	2	115
2021	9	5	48	110	11	183
Grand Total	28	59	66	260	19	432



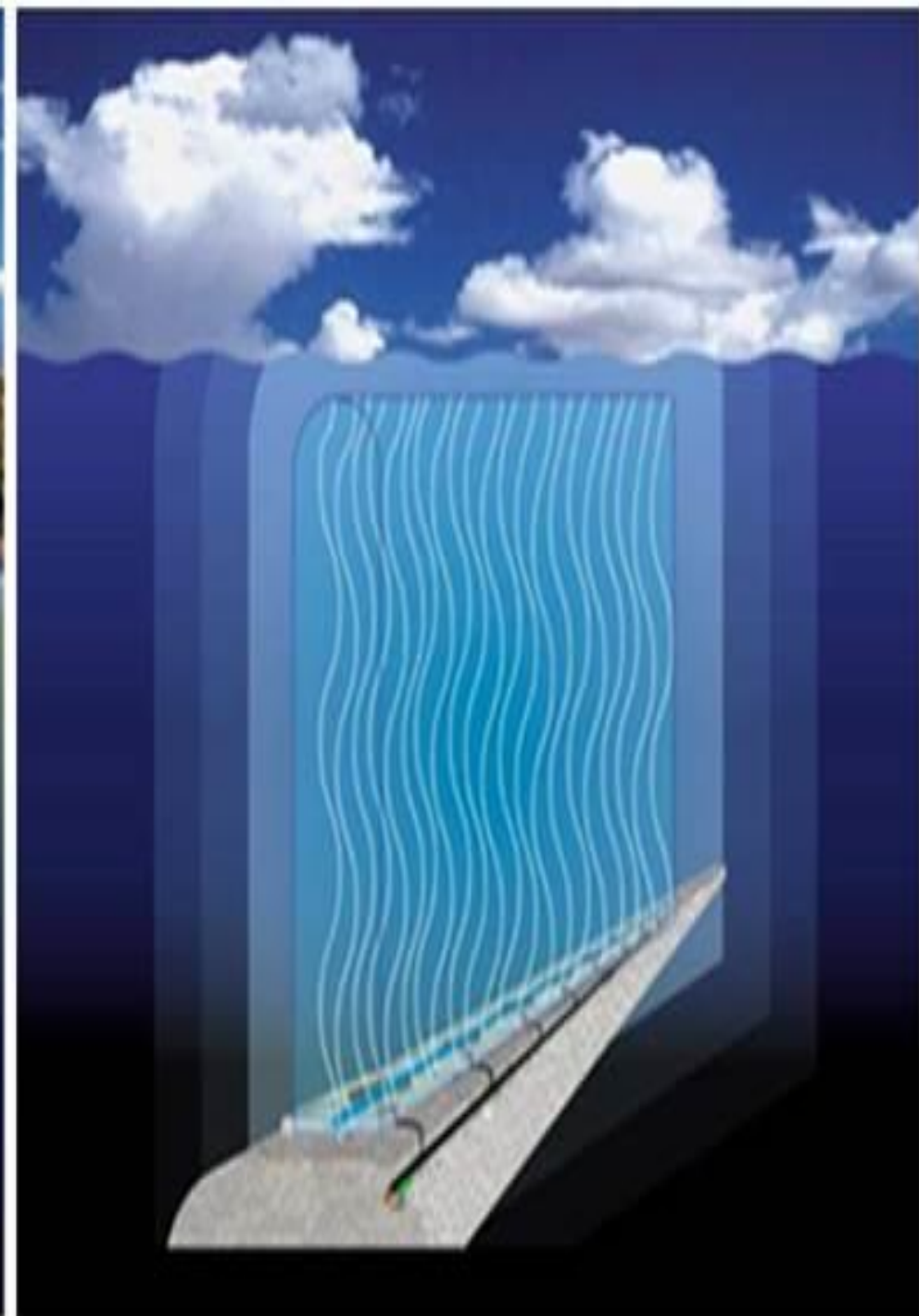
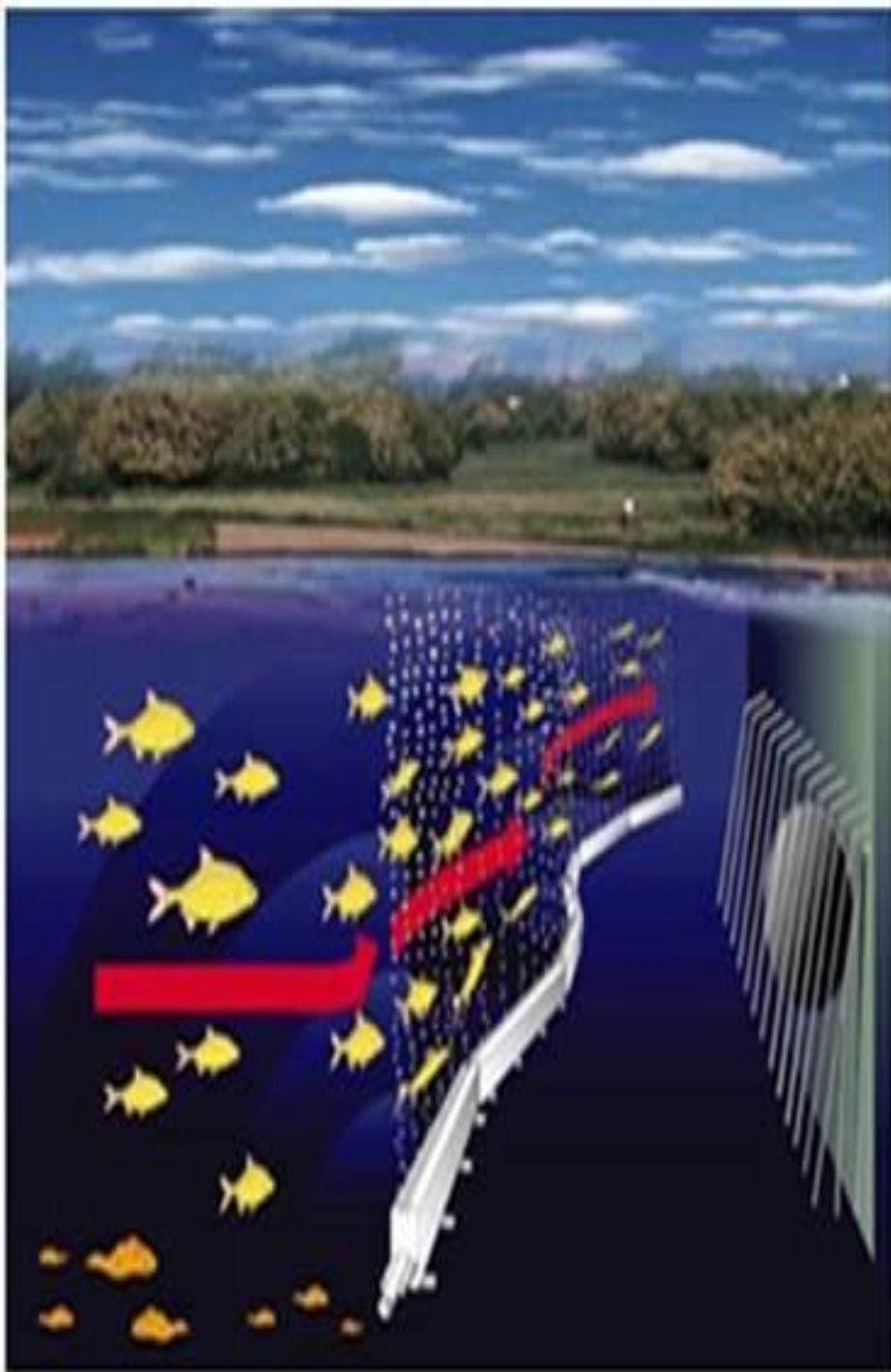
**We are Not Reaching the 390 Goal**



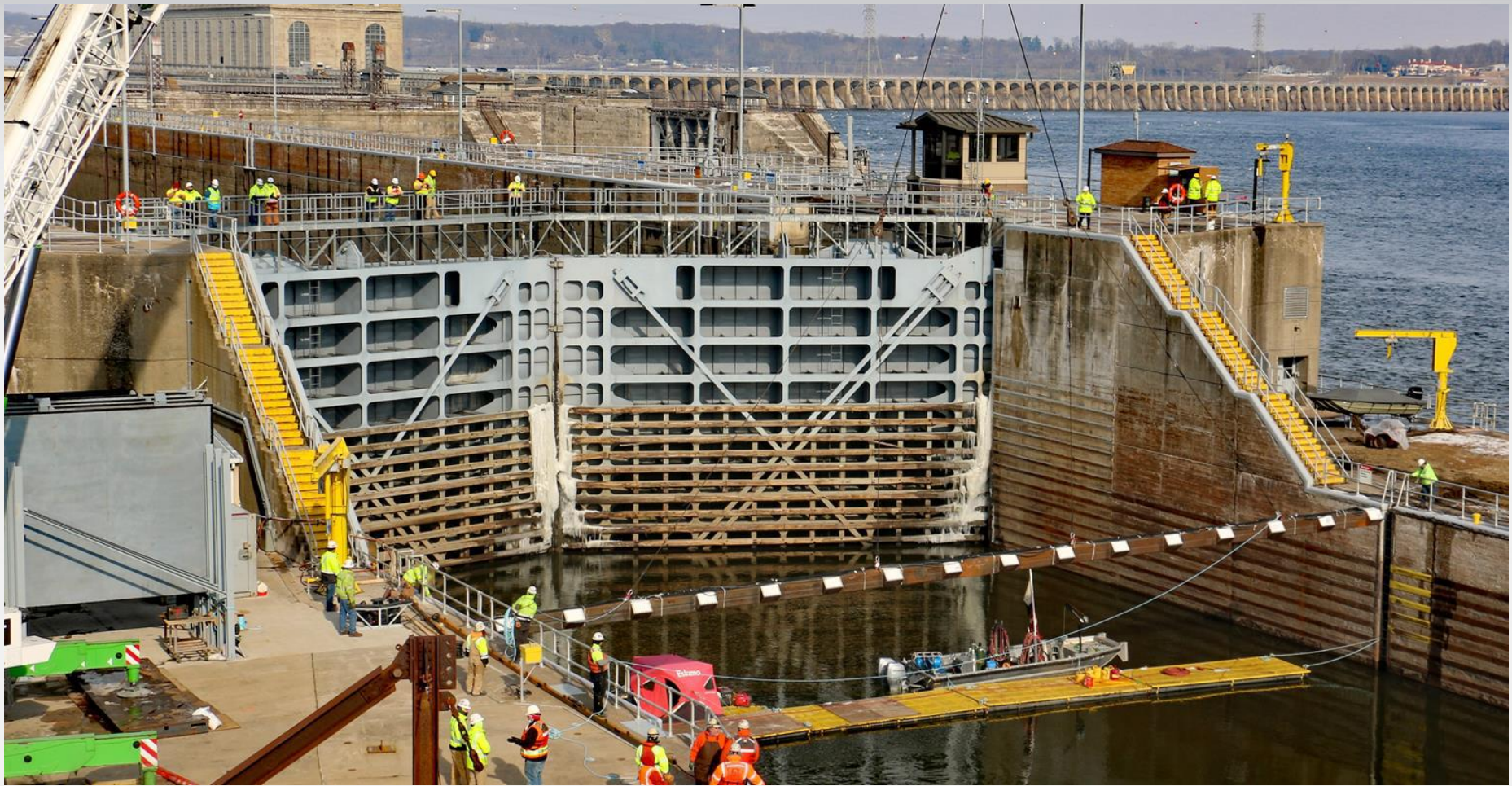


# Sandusky River Grass Carp Behavioral Barrier





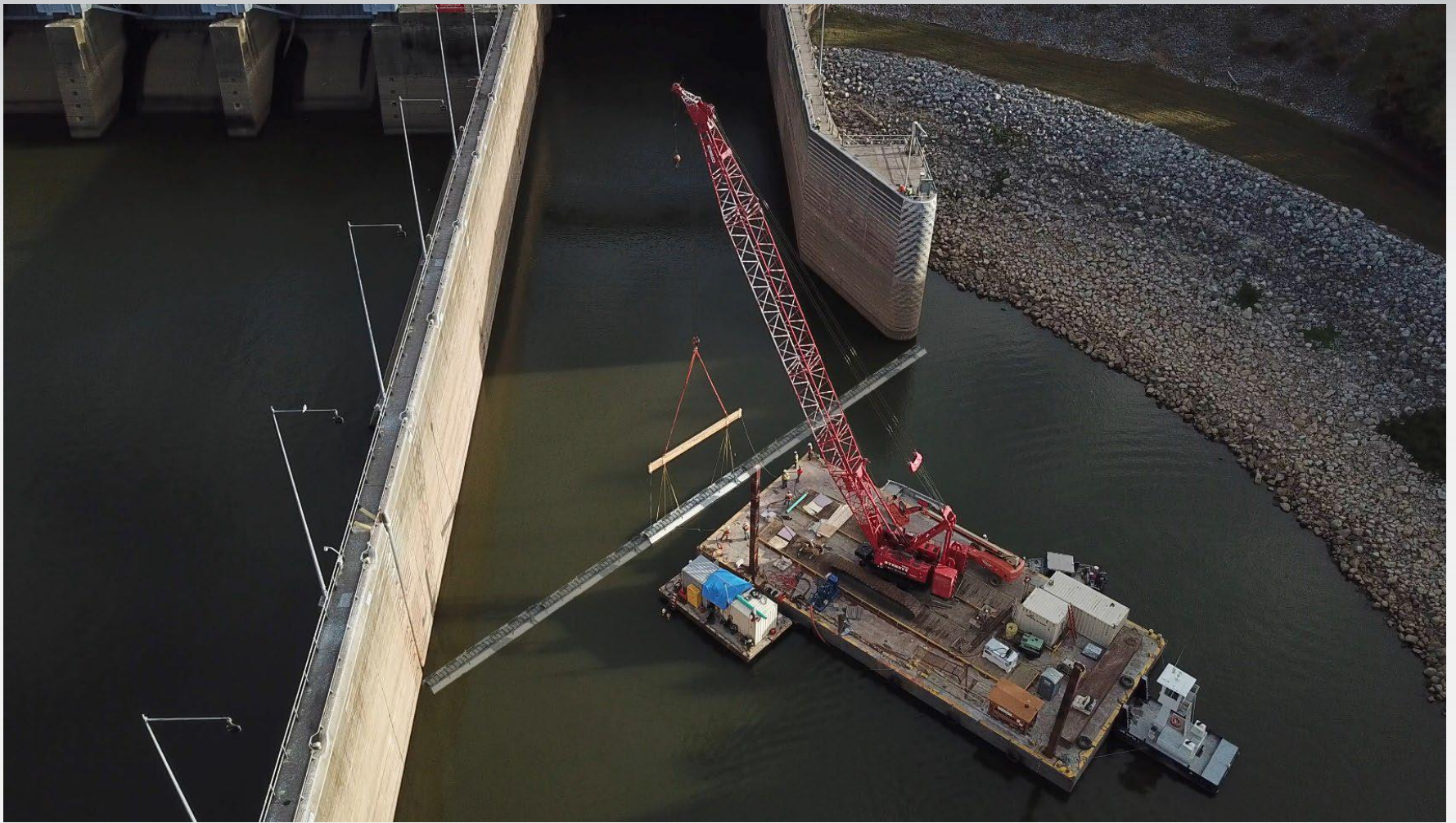




# Underwater Acoustic Deterrent System River Lock 19







# Bio Acoustic Fish Fence Barkley Lock and Dam





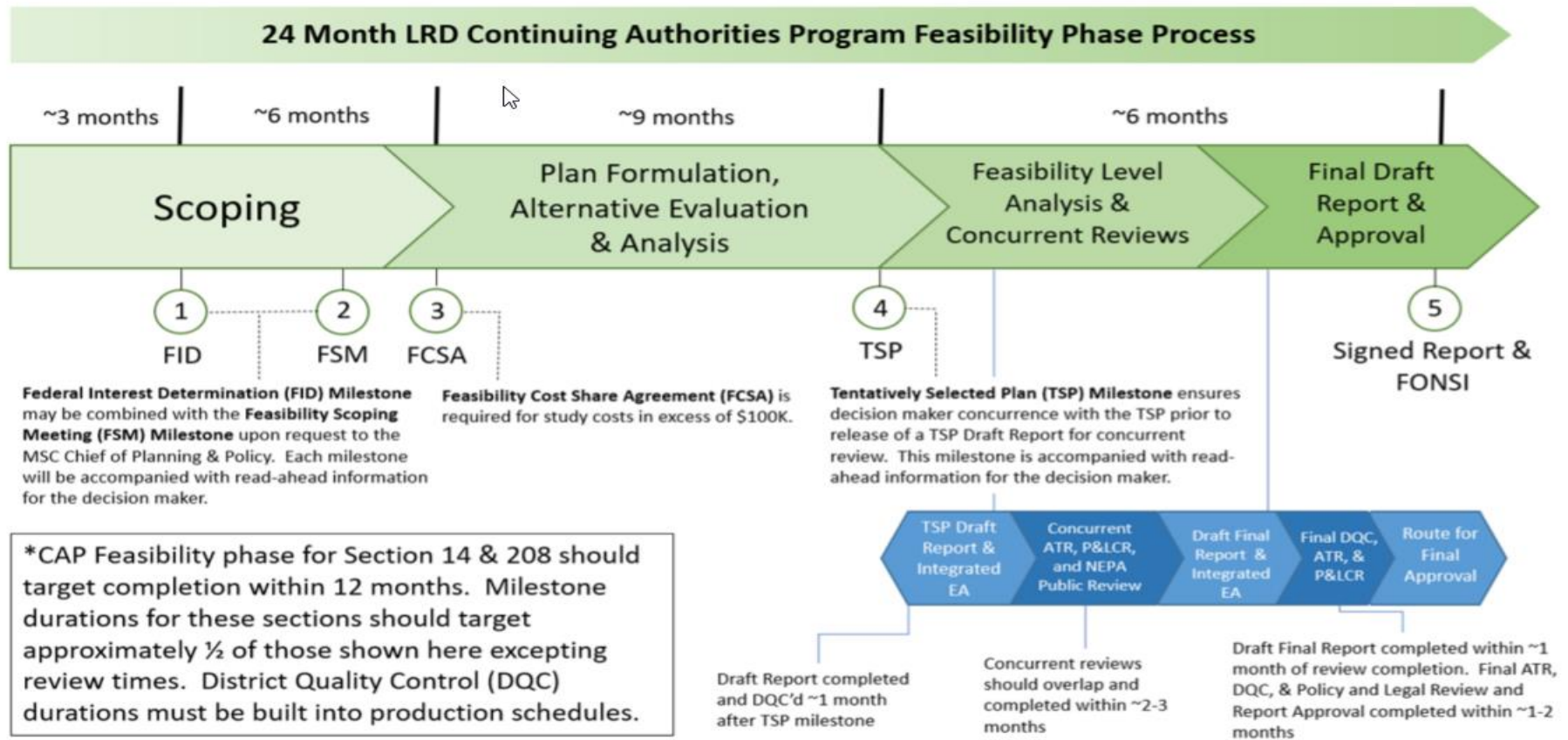


# Oblique Bubble Screen System Two-Way Dispersal Barrier





**Figure 1 - Feasibility Phase Timeline, Key Schedule Milestones and Products**



# Marbled Crayfish



## Injurious Aquatic Invasive Species

### Marbled Crayfish (*Procambarus virginalis*)

- Spread of the marbled crayfish through the pet trade increases the probability of it being released into natural ecosystems, harming native wildlife.
- It is the only known decapod crustacean species to reproduce through parthenogenesis, and therefore, all individuals are female and only one is needed to establish a new population.





# **Ohio woman pleads guilty to selling invasive crayfish species across 36 states**

**An Ohio woman who sold hundreds of marbled crayfish online has pleaded guilty to offenses under the Lacey Act, a US law preventing the transport of certain wildlife across state lines, after raising the crayfish in a huge tank in her home and selling them to people across 36 different states.**

**Allison Spaulding used eBay and Craigslist to sell various species of guppies and crayfish bred in her aquarium in Mount Vernon, Ohio and faces a maximum penalty of a year in prison and up to \$100,000 in fines, although a federal judge is set to consider a lesser penalty under a plea deal.**

