

INVASIVE CARP CONTROL AND PREVENTION PILOT PROGRAM ON THE TENNESSEE, CUMBERLAND, AND TOMBIGBEE RIVER BASINS

U.S. Army Corps of Engineers
Nashville District

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Partnering Agencies:

U.S. Fish and Wildlife Services

U.S. Geological Survey

Tennessee Valley Authority

Tennessee Wildlife Resources Agency

Mississippi Department of Wildlife, Fisheries, and Parks

Kentucky Department of Fish and Wildlife Resources

Alabama Department of Conservation and Natural Resources



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SECTION 509 OF WRDA 2020 (AS AMENDED)



USACE in conjunction with the TVA and other relevant Federal agencies, shall carry out an invasive carp prevention pilot program to implement projects that will manage and prevent the spread of invasive carp using innovative technologies, methods, and measures.

- USACE Lead Agency
- Each project shall be conducted in the Tennessee, Cumberland, and Tennessee-Tombigbee Waterway
- Authorized up to \$25M
- Initial Project Costs: Maximum Federal Share - 75%
- O&M: Federal Share - 100% (once projects are in place or built)



PILOT PROGRAM ACTIVITY (PAST AND PRESENT)



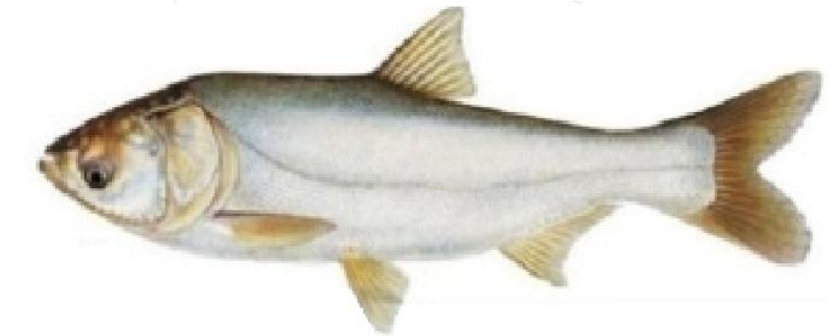
September 2022	Conducted Scoping in accordance with NEPA
2022	Began Inter-Agency Partnership Meetings
December 2023	Completed Development of Draft Program Management Plan and Programmatic Environmental Assessment
February 2024	Received MICRA (Mississippi Interstate Cooperative Resource Association) recommendation for individual pilot project locations
Sep 2024	Completed public review of draft PgMP, PgEA, FONSI
May 2025	Signed FONSI and Approved PgMP



PROGRAM MANAGEMENT PLAN



- Defines how the program will be implemented and managed
- Defines “Pilot”
 - Pilot is temporary in nature
- Provides pilot project implementation requirements and constraints
 - Appropriation of funding
 - Identification of potential Non-Federal Sponsors to provide a minimum of 25% of total project cost



Silver Carp



PILOT PROGRAM, PROGRAMMATIC EA NEPA – PURPOSE AND NEED



Purpose

- Analyze the effectiveness of innovative technologies, methods and measures, in specific locations, designed to prevent the spread and manage the eradication of invasive carp in the Tennessee-Cumberland River Basins as well as the Tenn-Tom Waterway.

Need

- To prevent or reduce the impacts caused by invasive carp.



Bighead Carp



ALTERNATIVES CONSIDERED



Programmatic EA

- Implement the Pilot Program
- No Action – No Pilot Program implemented

Potential future NEPA analyses would include evaluating additional measures such as:

- Locations
- Various Technologies (BAFF, uADS, Electricity)
- Site Specific Considerations (design considerations)



Black Carp



PILOT PROGRAM RECOMMENDATION

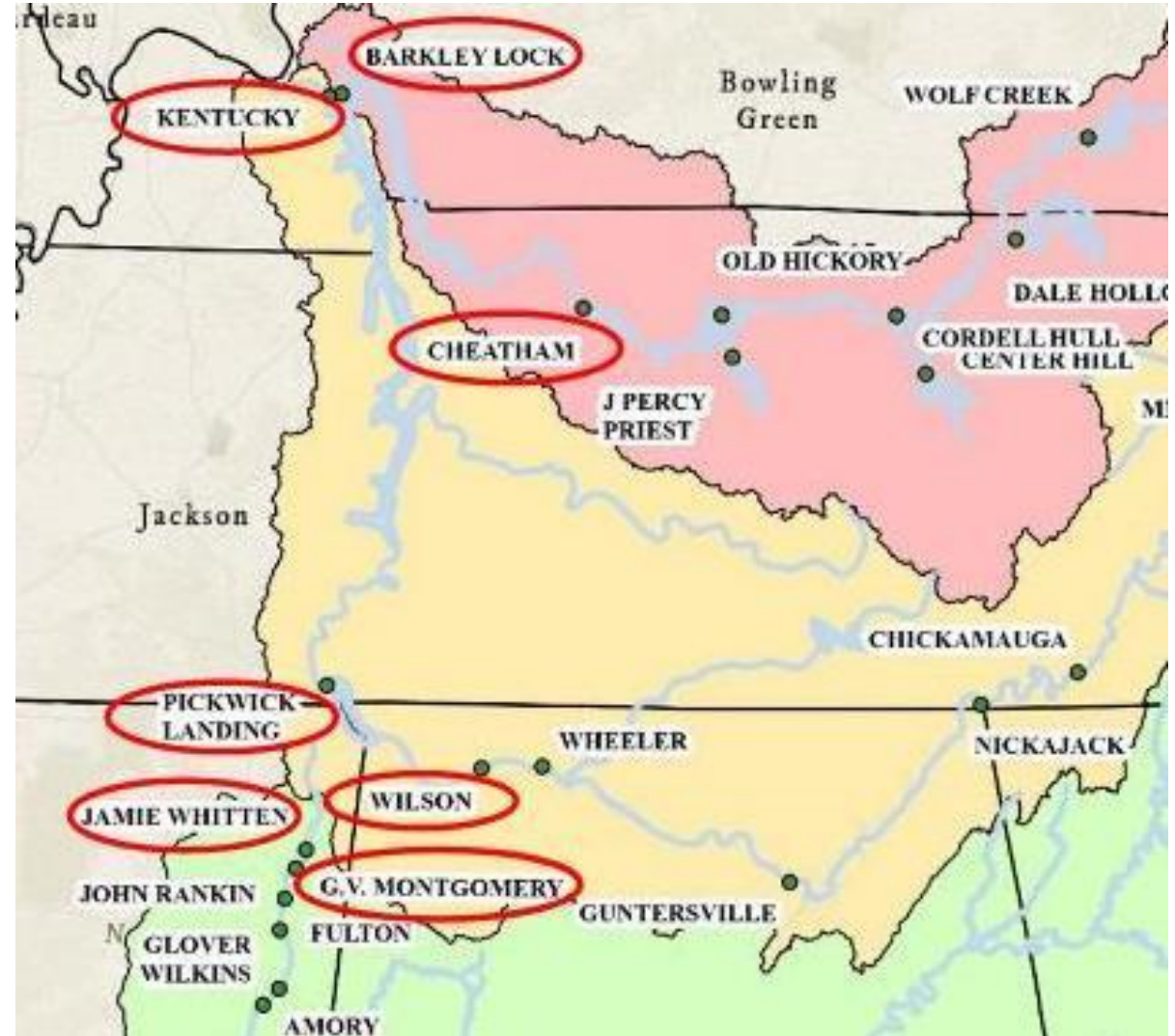


Recommend Simultaneous Installation

- All locations are critical

Priority Installation

1. Barkley Lock and Dam (Cumberland River)
2. Kentucky Lock and Dam (Tennessee River)
3. Jamie Whitten Lock and Dam (TTW)
4. Wilson Lock and Dam or Pickwick Lock and Dam (Tennessee River)
5. Cheatham Lock and Dam (Cumberland River)
6. G.V. Sonny Montgomery Lock and Dam (TTW)





PgEA CONCLUSION



- The PgEA evaluated potential effects to the human environment
- **Effects**
 - Are Temporary in Duration
 - Minor or Moderate in scale.
 - Potential Pilot Projects are temporary and would be removed at conclusion of an evaluation period.
 - Potential effects are not considered significant.
- USACE will continue efforts to identify a non-federal sponsor to begin implementation of the program

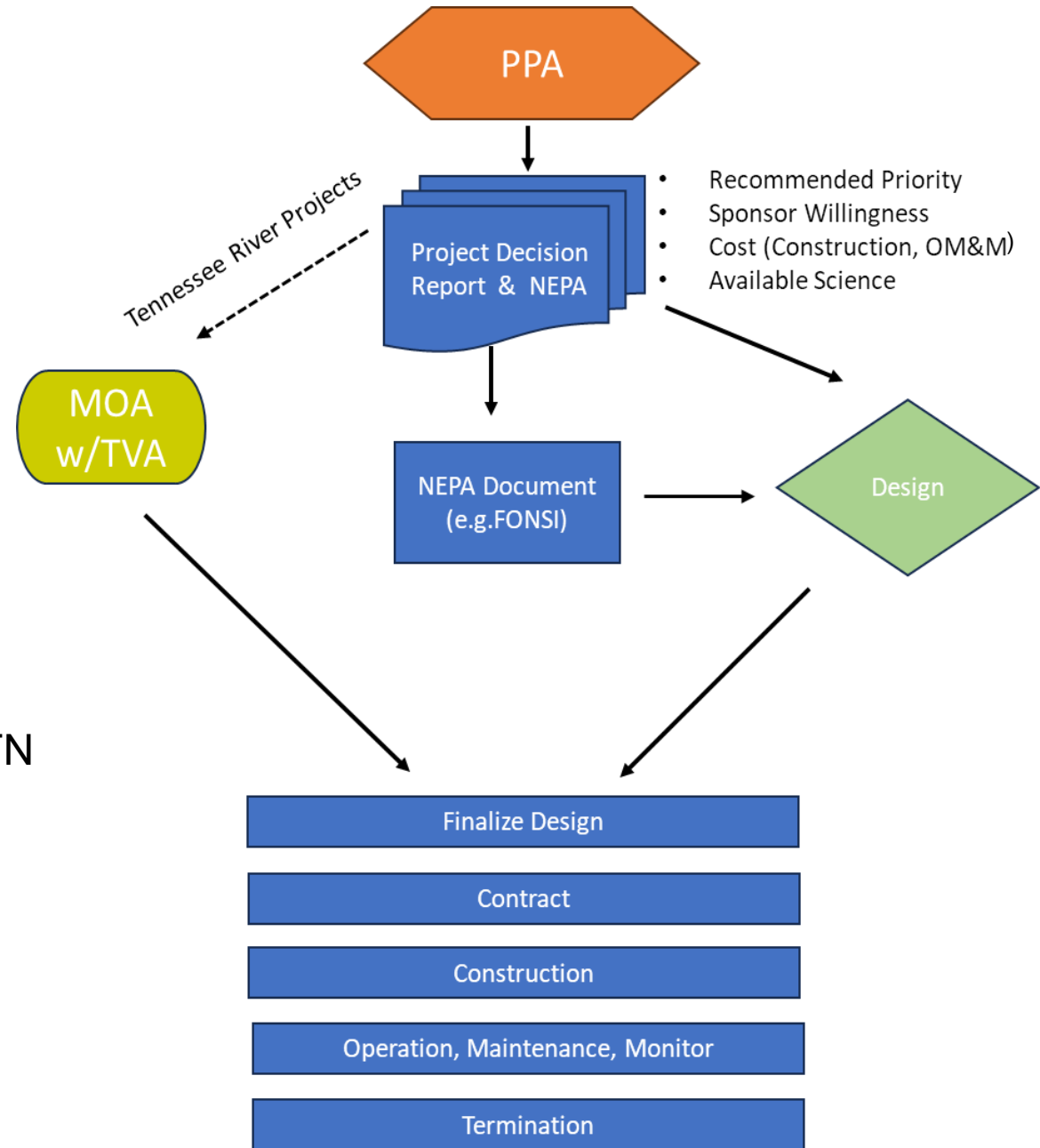


PROGRAM OVERVIEW



Priority Location List

1. Barkley Lock, Cumberland River, KY
2. Kentucky Lock, Tennessee River, KY
3. Jamie Whitten Lock, Tenn-Tom, MS
4. Pickwick or Wilson Lock, Tennessee River, TN





PRESENTATION CONCLUSION