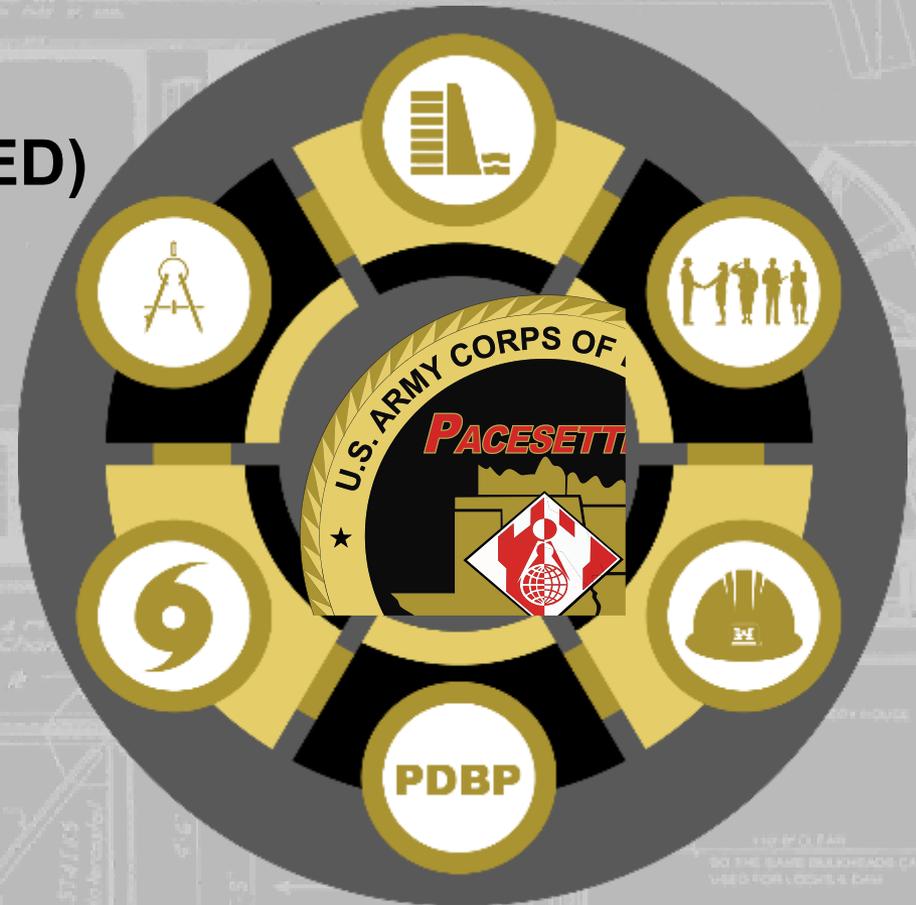


THREE RIVERS PRECONSTRUCTION ENGINEERING & DESIGN (PED)

Ms. Dana Coburn
Little Rock District
19 February 2020
Inland Waterways Users Board
Meeting No. 93



US Army Corps
of Engineers®



MISSION / PEOPLE / TEAMWORK



MEETING PURPOSE



- Objective: Information Brief
- Background—Project Overview, Project Location, Existing Conditions, and Selected Plan
- Status



THREE RIVERS OVERVIEW



PROBLEM STATEMENT: The White River and Arkansas River naturally want to merge. When this happens, we will lose navigation pool.

OBJECTIVE: Provide safe and reliable navigation through the study area over the period of analysis.

- Reduce breach risk
- Reduce the risk of dangerous cross current formation
- Reduce O&M costs for this portion of the MKARNS
- Minimize impacts to bottom land hardwood ecosystem

SOLUTION (Chief of Engineers Report signed September 2018):

- Construct a new Containment Structure (tying in with existing containment structure) at elevation 157 feet with an opening at the Historic Cutoff at elevation 145 ft. The width of the opening will be determined during PED.
- Removal of the Melinda Structure
- Create an opening at the Owens Structure

STAKEHOLDERS:

- Arkansas Waterways Commission (Non-Federal Sponsor, Feasibility Study)
- US Fish and Wildlife Service (USFWS)
- Arkansas Game and Fish Commission (AGFC)
- Arkansas Natural Heritage Commission (ANHC)
- Arkansas-Oklahoma Port Operators Association (AOPOA)



THREE RIVERS OVERVIEW



PED MILESTONES:

- PMP Approved – 17 May 2019
- Post Peer Review Plan – 14 June 2019
- Start 35% Plans and Specs/DDR – 1 July 2020
- Finish 90% Plans and Specs/DDR – 22 February 2022
- 100% Plans and Specs/DDR – 21 October 2022

PED FUNDING:

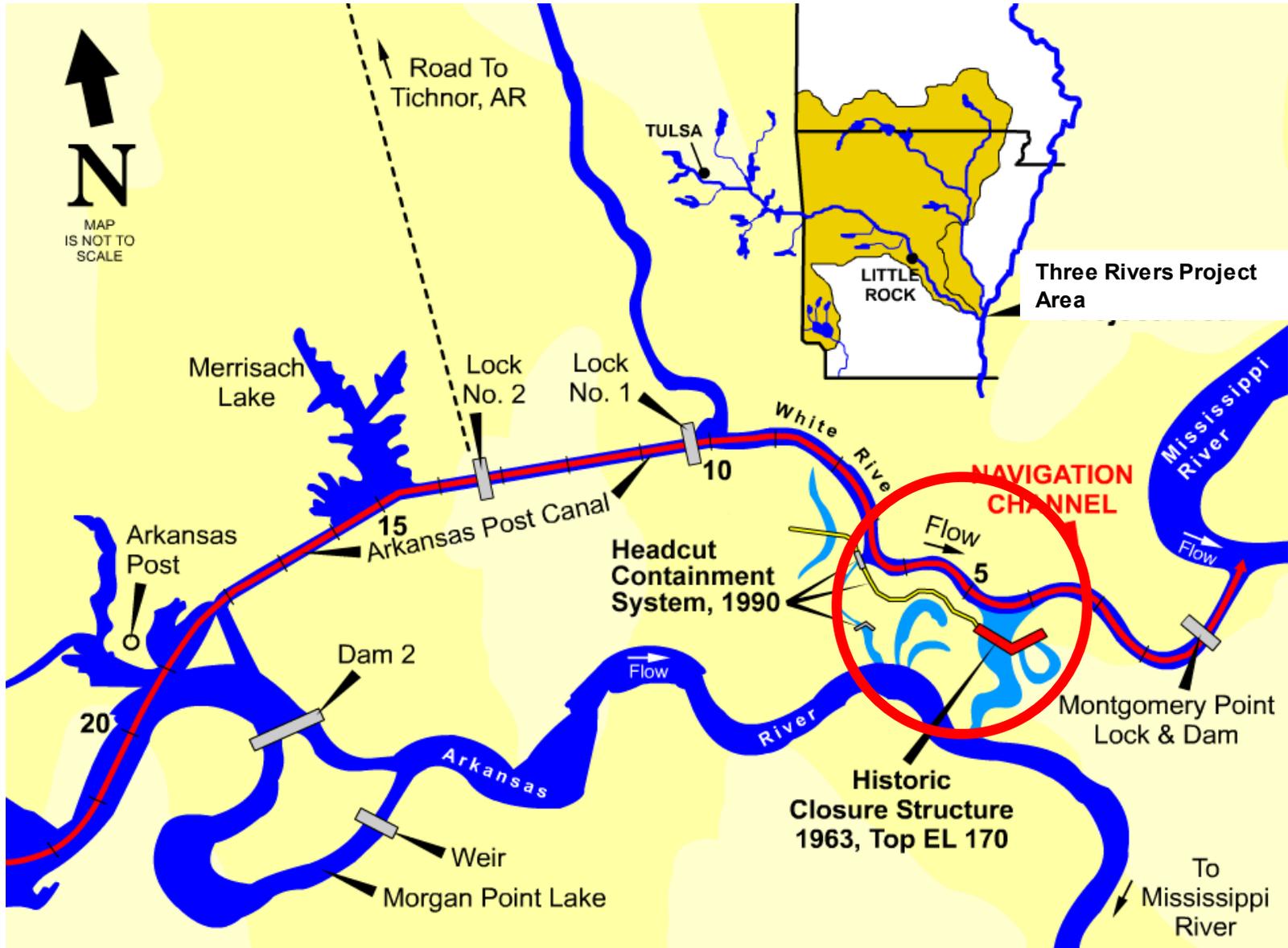
- FY19 Allocation: \$3M
- FY20 Budget: \$1.5M
- Balance to complete: \$7.842M
- Total PED Cost: \$12.342M

CONSTRUCTION COSTS (ESTIMATED):

- Project First Cost (Oct 2017 price levels): \$180,295,000
- OMRR&R: \$724,000
- BCR @ 7%: 2.4

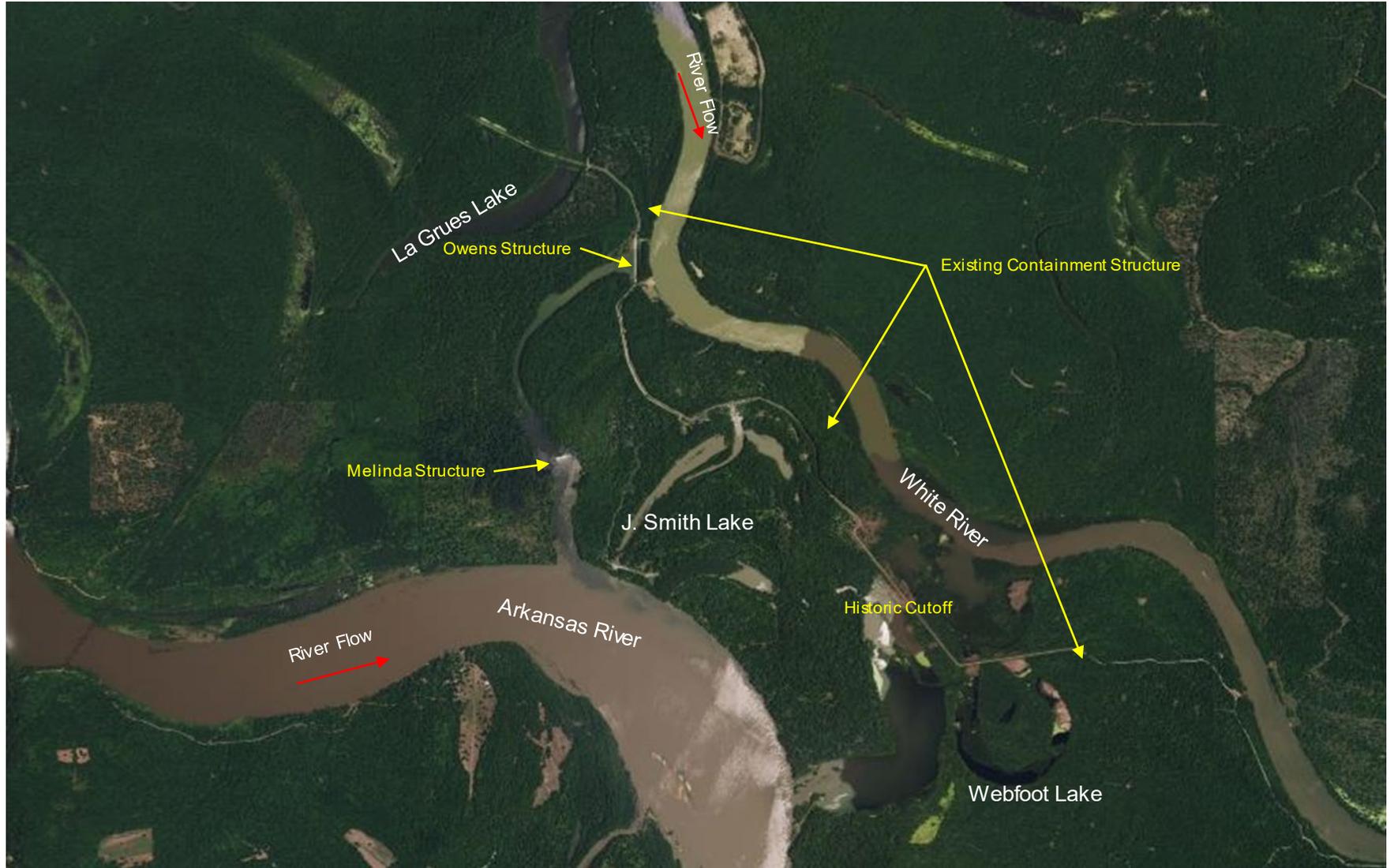


PROJECT LOCATION





EXISTING CONDITIONS





SELECTED PLAN





STATUS



2019 MKARNS Flooding and Continuing High-Water Impacts:

- Land Surveys
- Altered Conditions result in modifications to Melinda Structure alignment (coordinated with sponsors)
- Cultural Resource Surveys
- Rights of Entry

Completed Activities:

- Ship Tow Simulations
- Bathymetric Surveys
- Cultural Resources Task Order Awarded

Next Steps:

- Be prepared to get field work done when weather cooperates
- Proceed with design activities (plans and specs) once field work is completed



Questions?

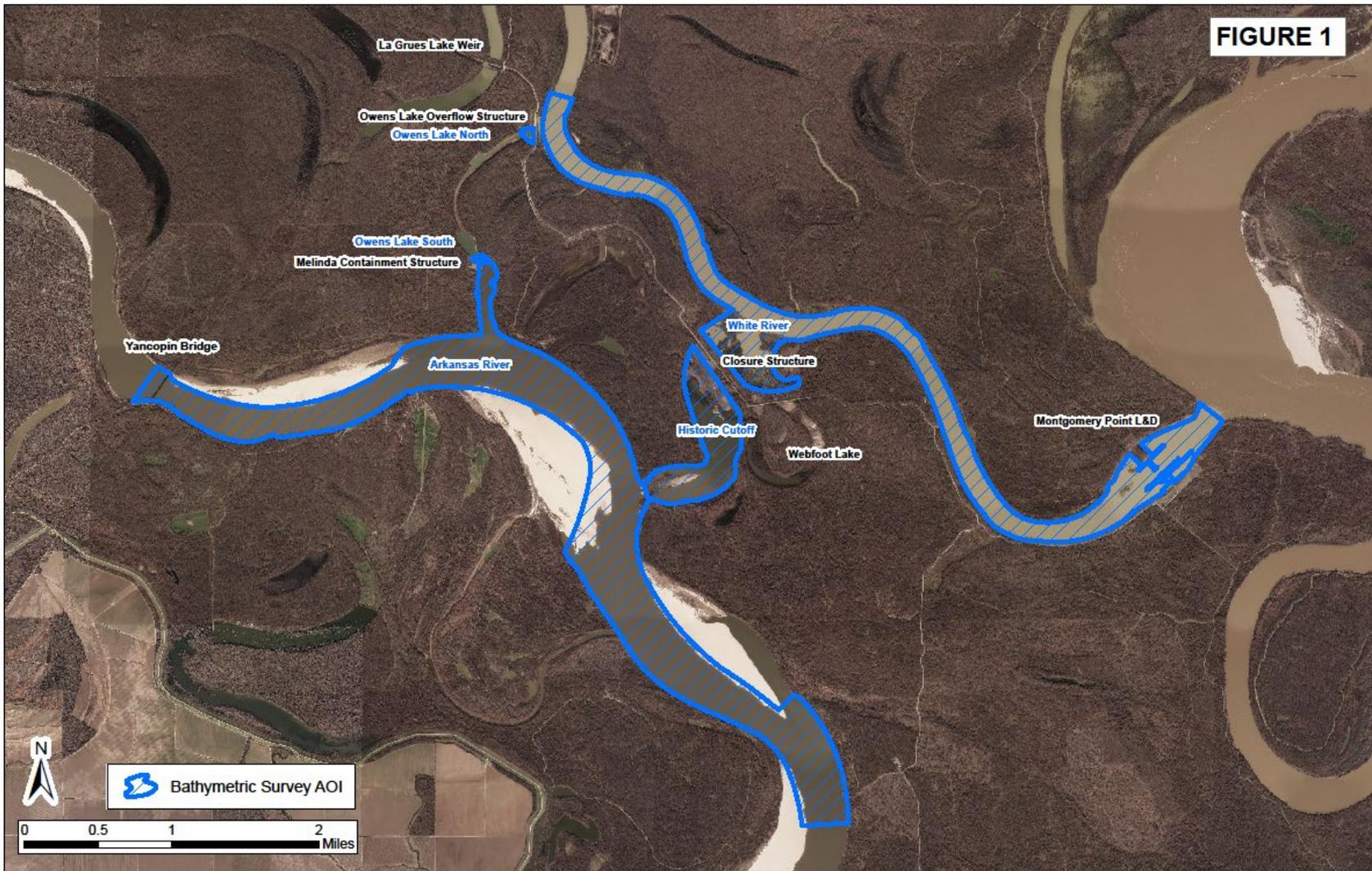




BACK UP SLIDES



BATHYMETRIC SURVEY SITE





CULTURAL RESOURCES SURVEY SITES

