

BLACK WARRIOR/TOMBIGBEE RIVER: DEMOPOLIS LOCK – UPPER MITER SILL FAILURE – 5 MARCH 2024

5 March 2024 condition update:

McKinney Salvage & Heavy Lift, Inc. arrived at the lock on 3/2 with their D/B TROY A-frame 700-ton crane barge to begin removing the large debris pieces in the chamber. The first attempt to lift an estimated 65-ton piece of debris was unsuccessful due to rigging placement, but the second attempt was successful.

On 3/5, USACE employees from MDO, Tuscaloosa site office, and Pittsburgh District, along with our A/E Quality Assurance contractor, visited Ready Mix USA's testing lab in Birmingham to perform admixture optimization testing. These tests provided valuable information for our QA practices during the work.

MG Graham and USACE leadership will perform a site visit this Wednesday.



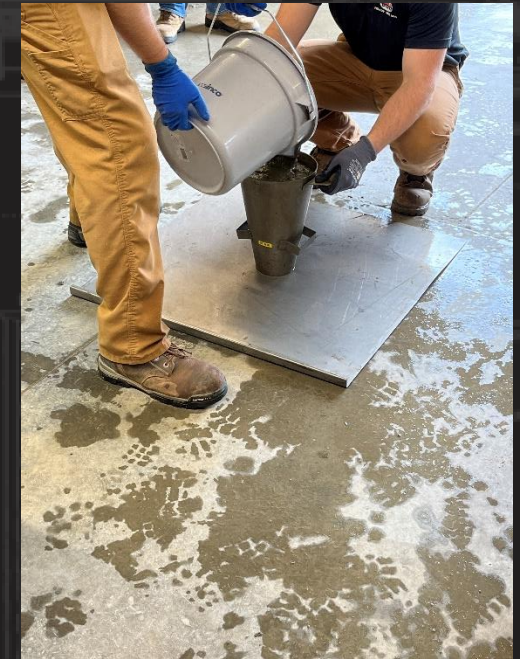
D/B TROY 700-ton A-frame



65-ton Debris Piece



Concrete Washout Resistance Test



Concrete Slump Flow Test



US Army Corps
of Engineers®

U.S. ARMY

BLACK WARRIOR/TOMBIGBEE RIVER: DEMOPOLIS LOCK – UPPER MITER SILL FAILURE – 20 JAN 2024

20 January 2024 condition update:
At 0700, District Crisis Team held a safety and coordination meeting with TVA, R&D Maintenance, and Specialty Diving, Inc. to go over safety hazards, the dive plan, and the plan and procedures for lifting and placing the stoplogs. By 0800, all details and safety plans were finalized, and the team began operations.

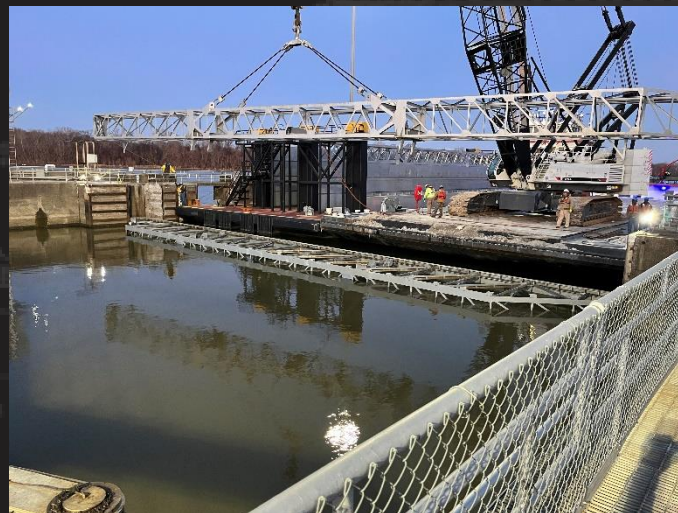
The team experienced delays due to frozen air lines in the latching device on the picking beam. At 1100, TVA vessel Freedom began moving three stoplogs (RG3, RG4, and SP2) from the esplanade onto the TTWW stoplog barge. Complete at 1230.

At 1300, the dive team inspected the stoplog slot. No issues were found.

At 1330, TVA began setting 5 stoplogs (1 heavy, 2 regular BWT, 2 regular TTWW). Last stoplog was set at 1700.



Diver Inspecting Stoplog Slot



Setting Stoplogs

Last Stoplog Set



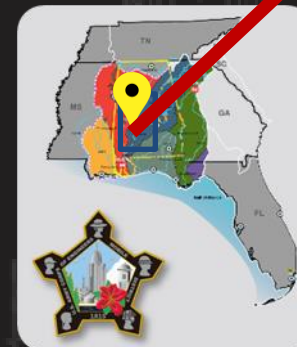
GOAL 2

Deliver Integrated Water Resource Solutions



US Army Corps of Engineers®

U.S. ARMY



BLACK WARRIOR/TOMBIGBEE RIVER: DEMOPOLIS LOCK – UPPER MITER SILL FAILURE - 19 JAN 2024

19 January 2024 condition update:
At 0700 District Crisis Team held a coordination meeting with Parker Towing to go over the lower miter gate closing plan. By 1030 all details and safety plans were finalized, and the team began operations.

Parker Towing placed barges in the chamber and arrange their 3 towboats and additional barges downstream of the miter gates by 1115.

The lower miter gates were moved out of recess at 1130 and, following the gate closing procedure, were successfully placed into mitered position by 1145.

The lock chamber was filled and the head on the upper gates were equalized stopping the uncontrolled flow by 1220.

TVA vessel FREEDOM will arrive at 2100, 19 JAN, with crane barge and addition stoplogs from the Tenn-Tom Waterway. Upper stoplog setting operations will begin at 0700, 20 JAN.



Lower Miter Gates Closed



Lower Miter Gates Closing



GOAL 2

Deliver Integrated Water Resource Solutions



US Army Corps of Engineers®

U.S. ARMY



