

BLACK WARRIOR/TOMBIGBEE RIVER: DEMOPOLIS LOCK – UPPER MITER SILL FAILURE – 9 APRIL 2024

9 April 2024 condition update:

Formwork and stainless-steel bulkheads have been installed at the lock, and final touches are being performed to prepare for the first concrete placement. Work has been completed on the dowels and anchors for tying in the new monoliths into the existing structure. Additional formwork for sequential lifts is still being constructed.

The first concrete placement is scheduled to take place on 11 April.

Wet concrete mix tests have been performed, calculations and processes have been verified, and QA/QC plans have been validated.



Formwork Installation



Wet concrete mix testing



Installed Formwork



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DEMOPOLIS LOCK – UPPER MITER SILL FAILURE – SUPPORT

- Parker Towing – assistance with closing lower miter gates
- TVA – assistance with originally setting upper stoplogs
- McKinney Salvage & Heavy Lift, Inc. – assistance with removal of large debris
- Cemex/ReadyMix – providing concrete from local batch plants in Demopolis
- ITWW Project – providing fleet assets to assist with repairs and construction



Parker Towing Barges & Towboats



TVA Setting Upper Stoplogs



McKinney Salvage Debris Removal



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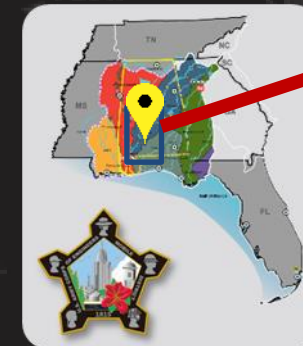
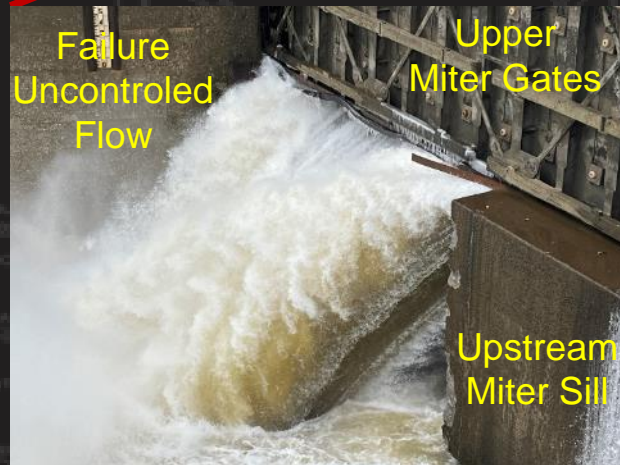
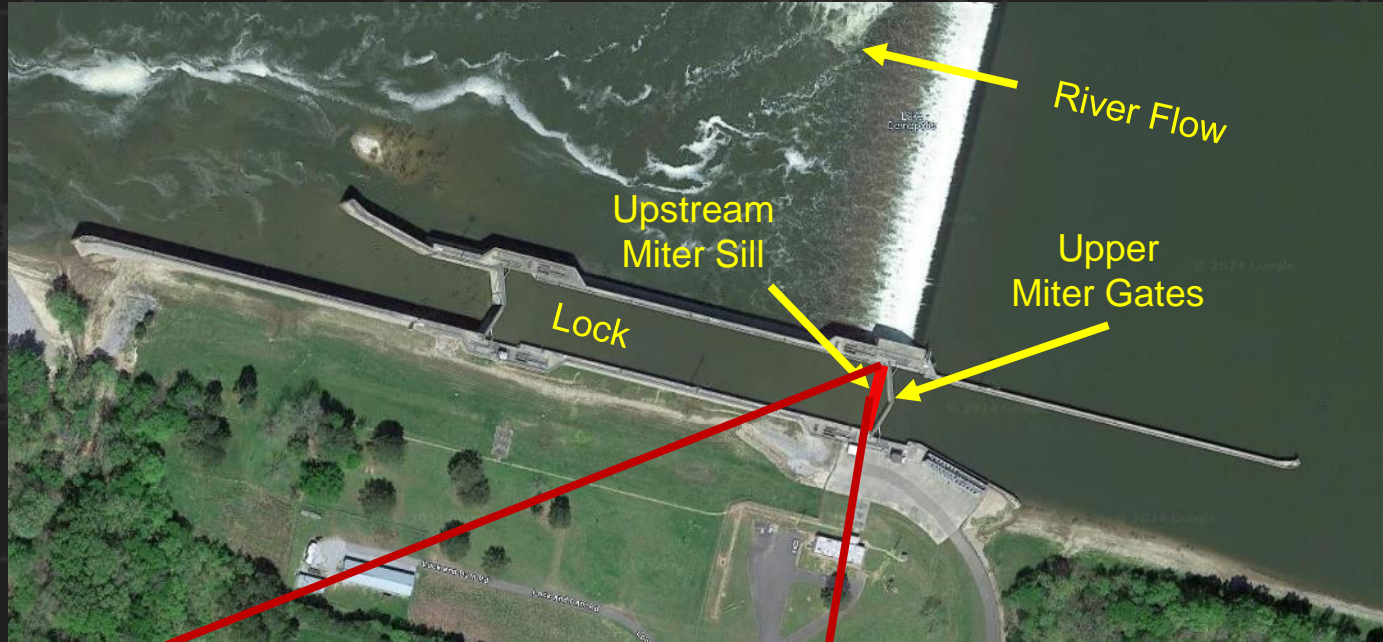
BLACK WARRIOR/TOMBIGBEE RIVER: DEMOPOLIS LOCK – UPPER MITER SILL FAILURE - 16 JAN 2024

16 January 2024 Incident:
At 0600 the on-duty lock operator heard a loud noise and while investigating noticed water flowing under the upper miter gate. The concrete that comprises the upper miter sill fractured, allowing water to pass under the gate. The lower lock gates were open at time of the incident.

Project contacted District personnel to start planning courses of action. Notice to Mariners are being issued to update users.

Current operations are to close the lower miter gates to allow the pool to equalize and set the upper stoplogs to get the lock chamber under control. Operation will take place 19-21 January. Engineering and Operations are continuing to analyze the extent of damages and are working other courses of action to stop the flow and get the lock under control.

At this time, the extent of damages have not been determined. Once the lock is dewatered damage assessment and repair plans can be developed. No accurate estimate for closure duration is available at this time. This schedule will be refined once a full assessment of the damages can be performed.



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