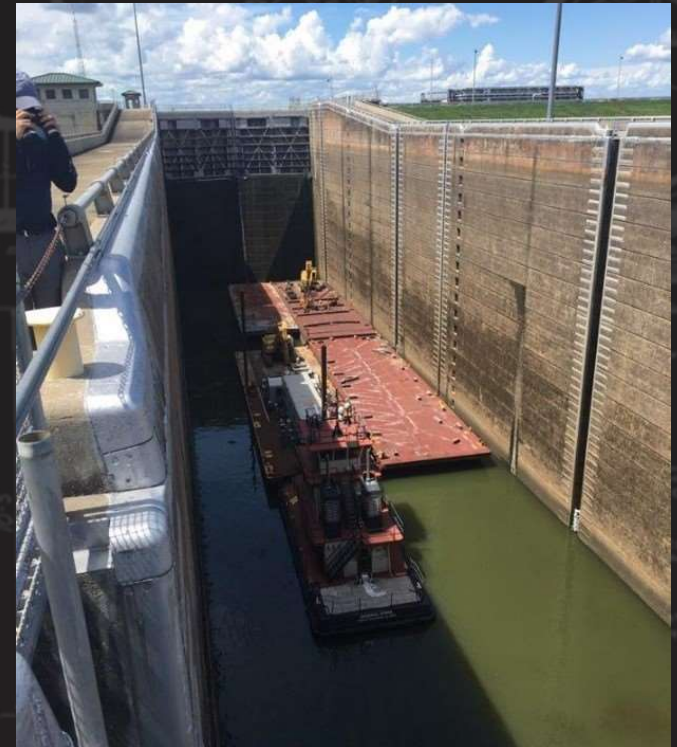


FUNDING OVERVIEW AND WATERWAY RESTORATION

Ryan Reich
Chief, Inland Navigation & Infrastructure Section
Operations Division, Mobile District



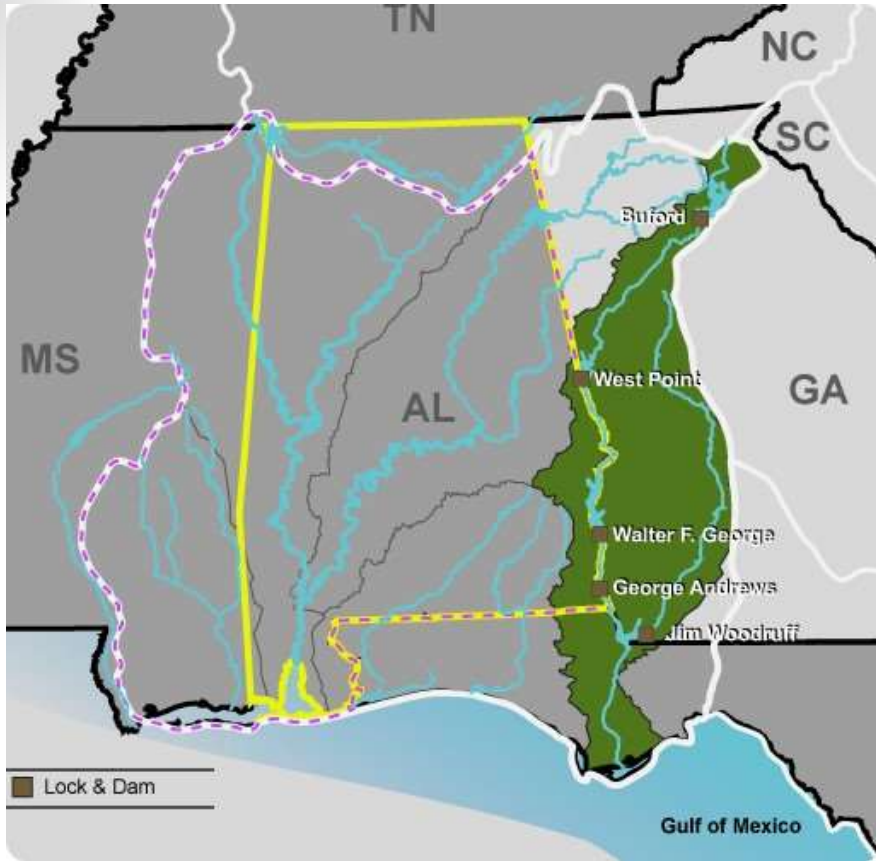
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APALACHICOLA-CHATTAHOOCHEE-FLINT RIVERS



PROJECT COMMON O&M BUDGET (\$000)

PROJECT	FY24	FY24 Earmark/BIL	FY25 PBUD
Jim Woodruff	8,080	40,080	8,339
George Andrews/ACF	1,509	37,355	1,846
Walter F. George	9,073	18,000	9,712
Subtotal	18,662	95,435	19,897
West Point Dam	8,634	15,470	9,206
Buford Dam	11,300	400	12,223



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MAJOR EARMARK/BIL FUNDED EFFORTS



- Jim Woodruff
 - \$24M Spillway Rehab
 - \$15M Lock Dewatering
 - \$1.08M Invasive Species Management
- George Andrews
 - \$16M Lock Dewatering
 - \$6.675M Spillway Maintenance
 - \$1.5M Recreation Infrastructure Rehab
- Walter F. George
 - \$18M Lock Dewatering
- General ACF
 - \$10M Procure Lock Stoplogs
 - \$3M Pursuit of Dredging

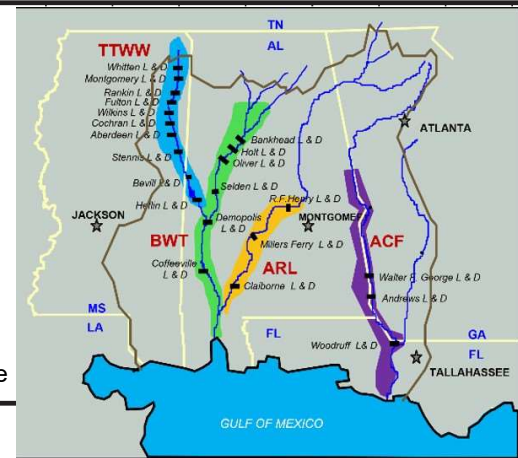
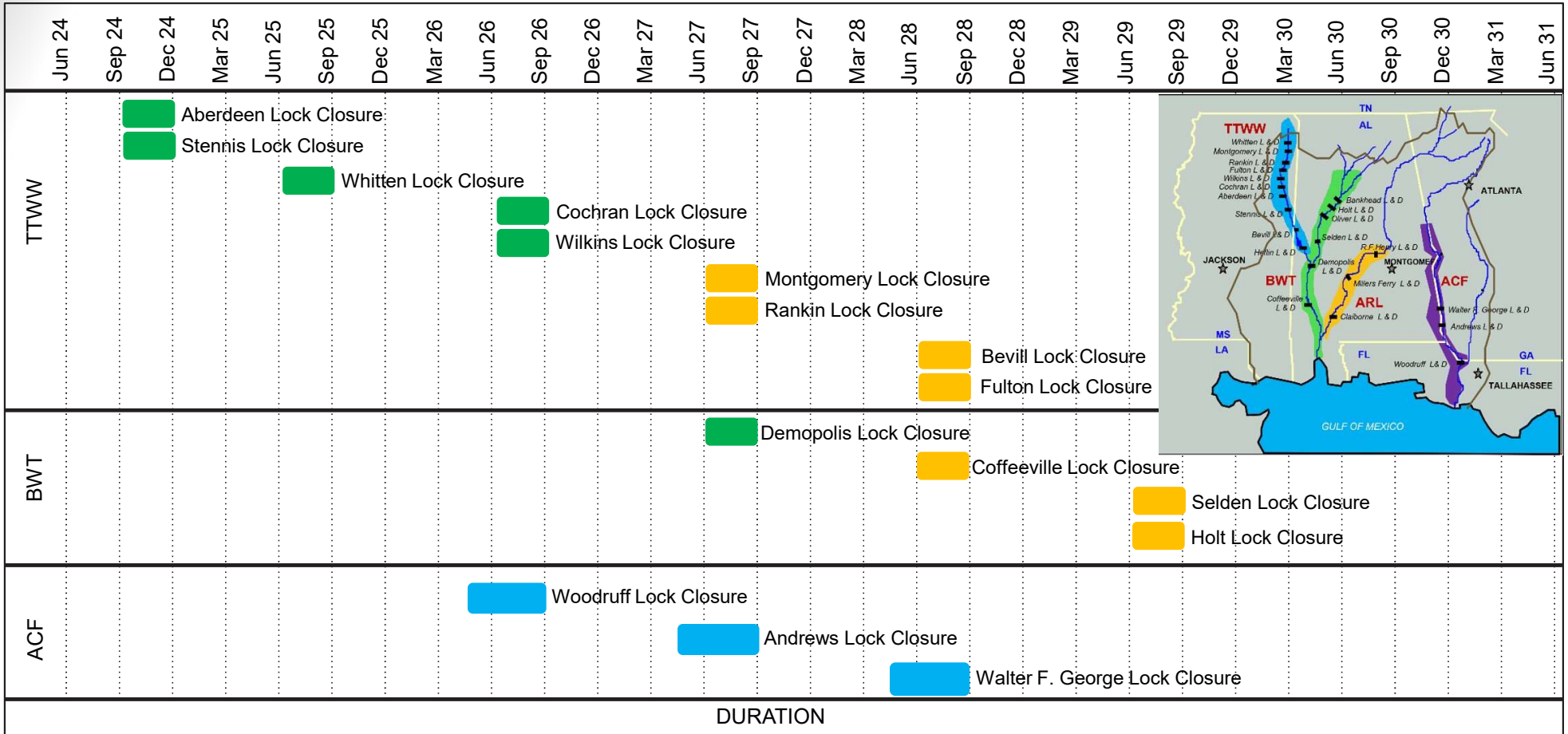


MOBILE DISTRICT LOCK CLOSURE SCHEDULE

FUNDED

FUNDED, TENT. SCHEDULED

NOT REQUESTED, TENT. SCHEDULED



*Closures are typically 30 days



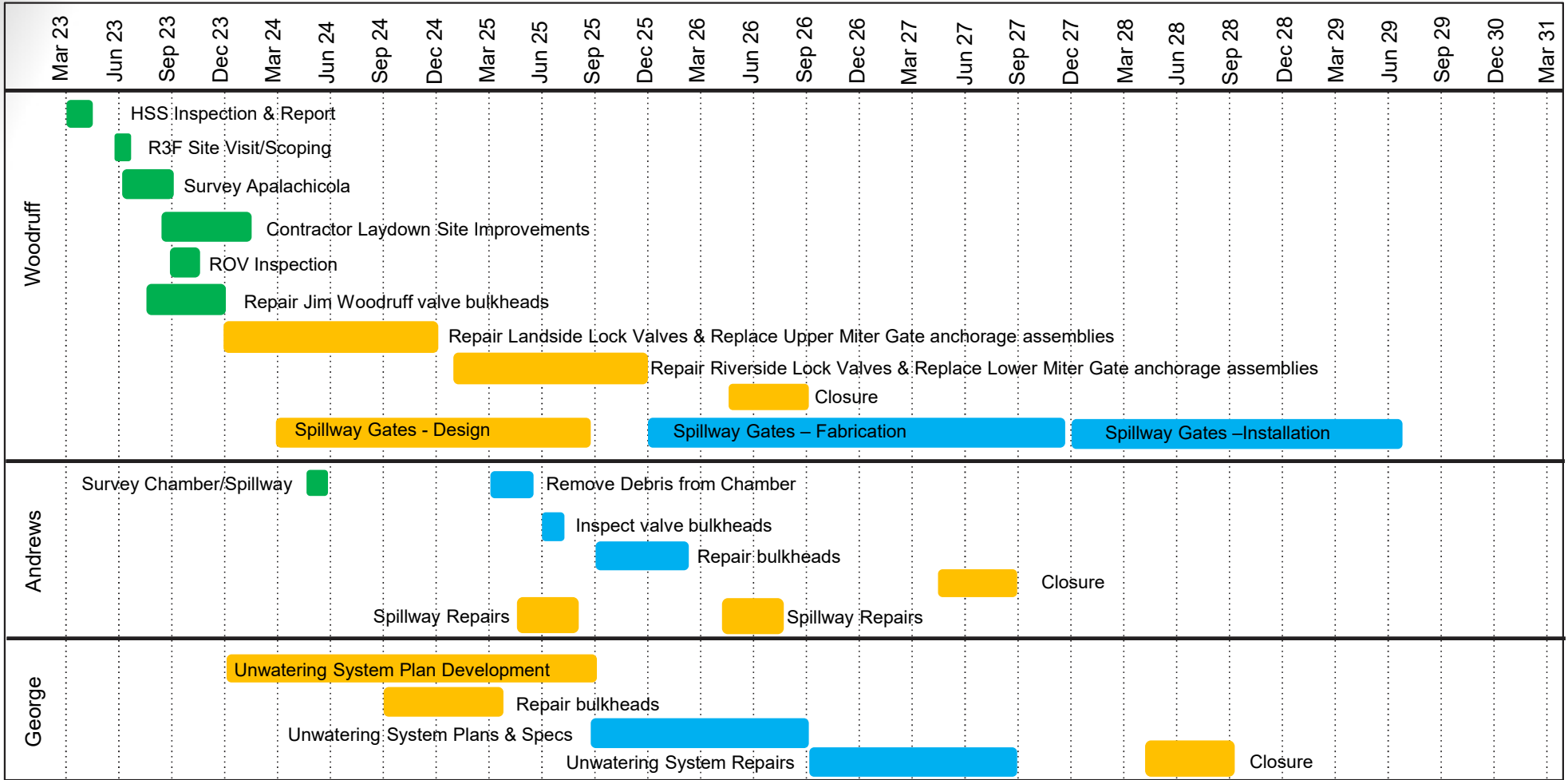
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MOBILE DISTRICT ACF MASTER PLAN

COMPLETED

SCHEDULED

TENT.
SCHEDULED

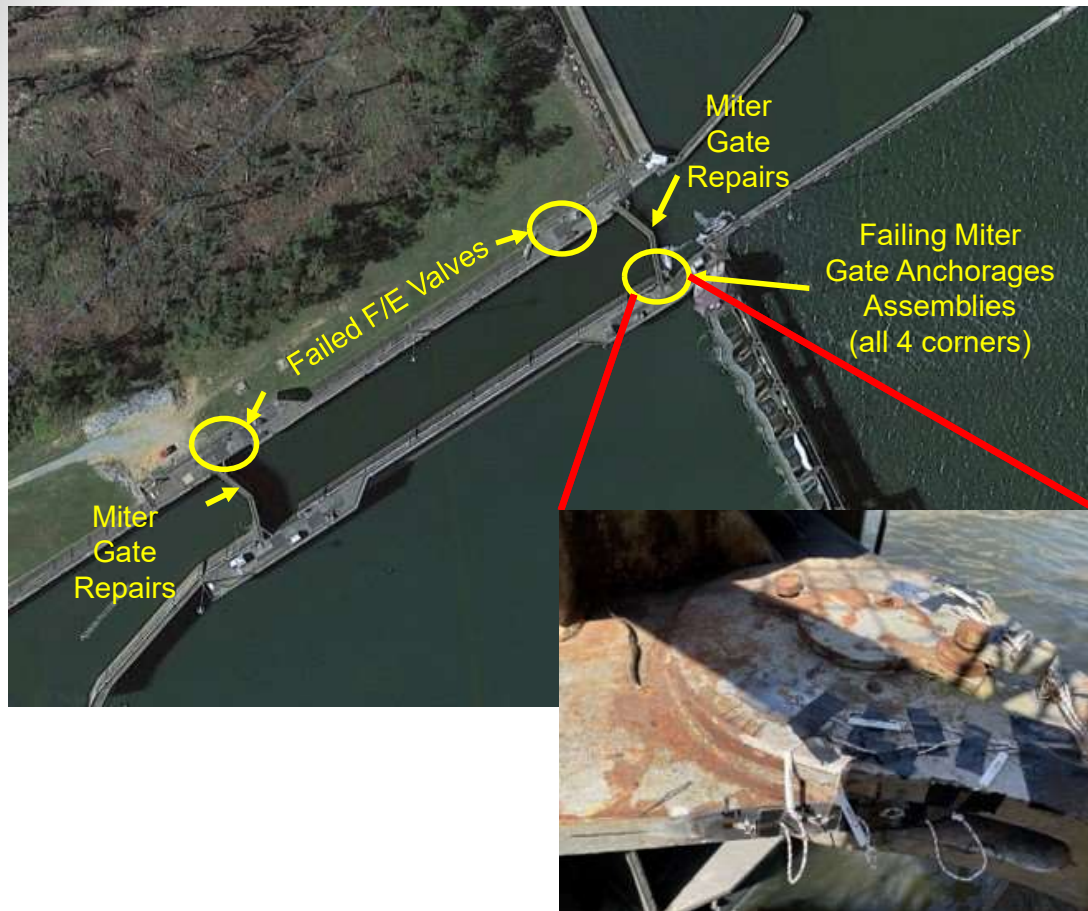


11/14/2024



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JIM WOODRUFF LOCK



- Open to commercial navigation
- By appt only (IMTS LOS 6)

Major Repairs

- Replace miter gate anchorage assemblies on all 4 gate leaves
- Repair/replace components and blast & paint all 4 filling/emptying valves and machinery
- Once repairs above are made, the lock will be dewatered for additional repairs and replacement of components normally underwater



JIM WOODRUFF LOCK REPAIR VALVE BULKHEADS



Valve Bulkhead Original Condition



Valve Bulkheads Being Repaired



JIM WOODRUFF LOCK MITER GATE ANCHORAGE ASSEMBLIES



Spare Anchorages



New Assemblies



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JIM WOODRUFF LOCK LANDSIDE VALVE REPAIRS



Original Valve Condition



Blasted & Painted Valve



Valve Trunnion Beam



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JIM WOODRUFF SPILLWAY REPAIR



Project Description: Evaluate each spillway gate for repair or replacement, with replacement gates being fabricated with Fiber Reinforced Polymer (FRP) material. Replaced gates will be candidates for automated operation and new machinery. The project will also consider an alternative to retrofit the existing machinery/crane system to be automated for remote operation of the gates.

Funding: FY24 Bipartisan Infrastructure Law (BIL) \$24M

Risks/Concerns/Challenges

- Funding is not adequate to replace all vertical lift gates and install new gate machinery.
- Use and application of FRP at this scale is new to USACE.
- Construction sequencing plan allowing safe replacement of gates while maintaining project operability needs to be determined.
- Can existing infrastructure support automated/motorized gate functions?
- Do we deliver under construction contract or services contract?

MILESTONES	
Schedule	Description
DEC 2024	Award A-E Contract for Project Definition Report (PDR)
SEP 2025	Receive PDR and Finalize Scope, Acquisition, Schedule
TBD	Approve Plans & Specs
TBD	Advertise Contract
TBD	Award Contract
TBD	Complete Construction





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QUESTIONS?

PURSUIT OF PERMIT TO RESUME DREDGING

Ashley Kleinschrodt
Project Manager



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OVERVIEW



- Authorized Project Purposes
- History of dredging on the Apalachicola-Chattahoochee-Flint River Basin
- What it would take to open navigation beyond seasonal/7-foot channel
- Planned steps ahead



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WHY ARE WE HERE?

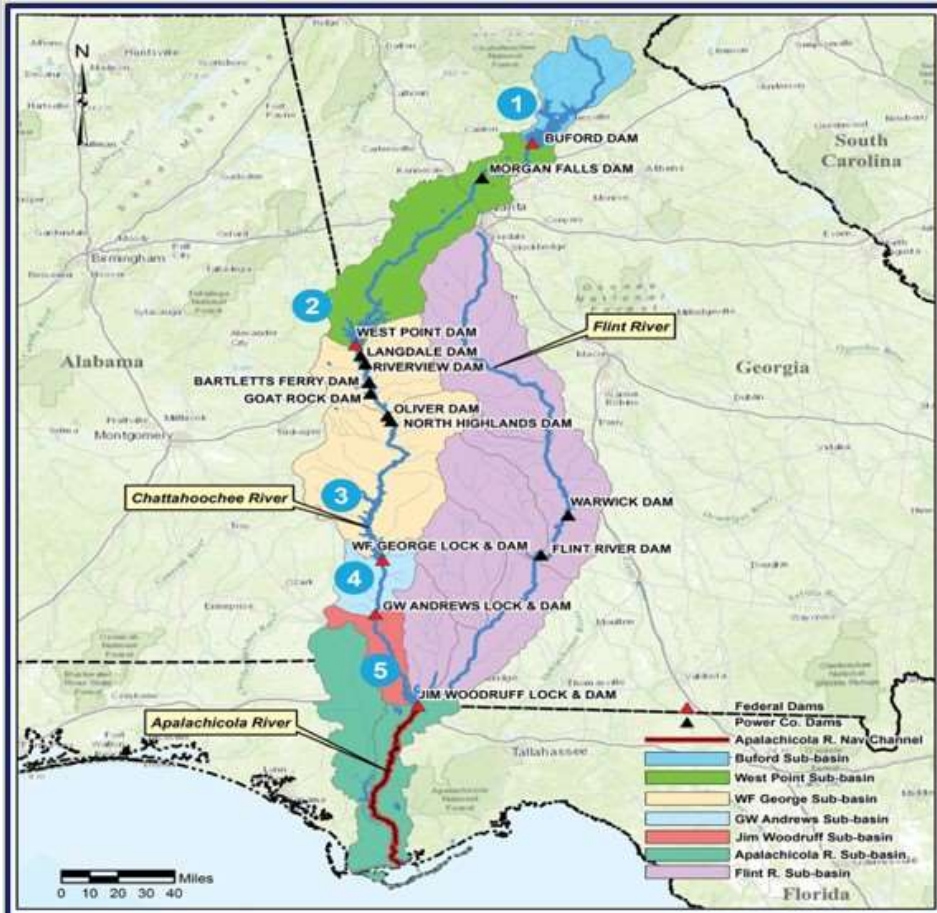


- \$3M FY24 Earmark funds received
- Budget Package Title: Pursuit of permits and certifications to restore dredging for the ACF
- Description: Obtain permits and NEPA compliance documentation to resume dredging of the ACF River system. Develop plan to restore navigable channel.
- \$100M+ Bipartisan Infrastructure Law (BIL) funds received for the ACF in FY23 & FY24



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AUTHORIZED PROJECT PURPOSES



- Fish and wildlife
 - Recreation
 - Flood Risk Management
 - Water Quality
 - Water Supply
 - Hydropower
 - Navigation
-
- Apalachicola River from GIWW to Ch/FL intersection (9x100ft) ~104mi
 - Chattahoochee River (164mi to Columbus, GA)
 - Flint River (29 mi to Bainbridge, GA)



DREDGING HISTORY



Table 1. 1997-2001 Dredging Summary¹

Year →	1997	1998	1999	2000	2001	1997 through 2001
Apalachicola River	553,505	1,161,909	786,713		164,078	2,666,205
Chattahoochee River		240,728	410,653		134,547	785,928
Flint River		116,099				116,099
Total for System	553,505	1,518,736	1,197,366		298,625	3,568,232
GIWW Portion of the Apalachicola River						
GIWW			114,595			114,595
Historical Problem Reaches on the Apalachicola River						
Blountstown	98,983	164,379			16,834	280,196
Chipola Cutoff	123,989 ²	261,430	147,045		61,083	549,020
Corley Slough	68,364	263,080	169,044		69,042	569,530

¹values in cubic yards

²5-year analysis corrected value from original annual report

- Blountstown Reach (Mi. 76 – 81) ~136Kcy/yr
- Chipola Cutoff (Mi. 39 – 42) ~127Kcy/yr
- Corley Slough (Mi. 35 – 37) ~118Kcy/yr

Non-Federal Sponsors

- The 1946 amendments to the 1945 River and Harbor Act required local interests to **provide free of cost to the US** all lands, easements, rights of way and disposal areas as and when required for provision and maintenance of the **FL** portion of the channel in the Apalachicola River below Jim Woodruff L&D.
- Local sponsorship was intermittently provided by the Boards of County Commissioners of the 6 FL counties adjacent to the waterway.
- Neither the original or amendment made similar requirements for **AL & GA. Those two states have operated at full federal cost.**



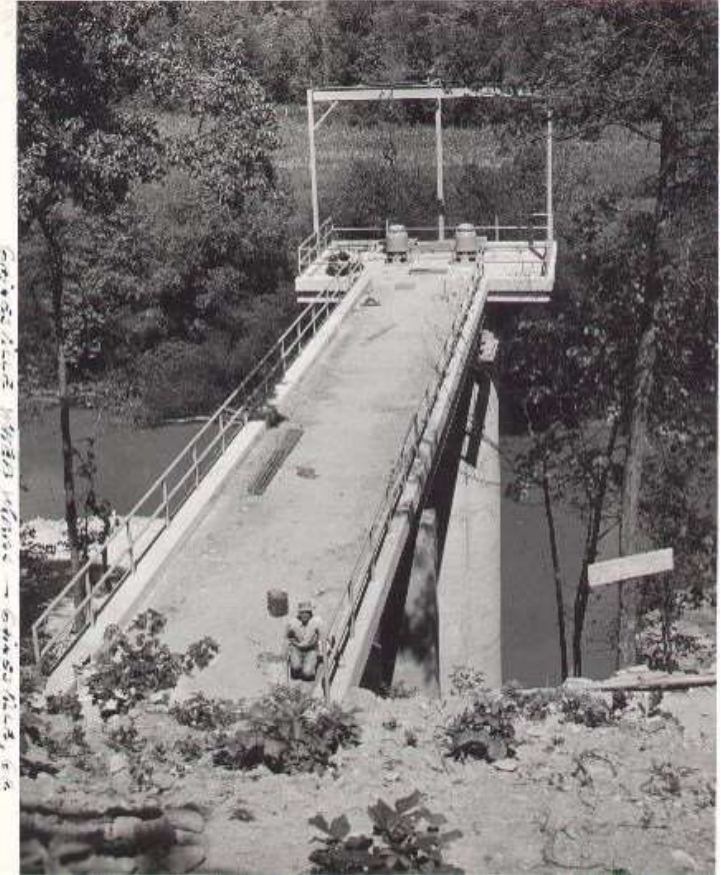
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HISTORY: DISPUTES AND LITIGATION



Water withdrawals had been disputed and without storage agreements since 1990:

- **1989:** Corps prepares draft report proposing reallocation of storage in Lake Lanier
- **1990:** Alabama files suit; Corps withdraws reallocation study; existing contracts expire
- **1991-2007:** Multiple tri-state negotiation efforts fail to achieve resolution; litigation resumes
- **2008-2011:** Court decisions call into question Water Supply Act authority; 11th Circuit remands to Corps for determination
- **2012-2017:** Corps completes update to ACF water control manuals, including reallocation of storage (30 Mar 2017)





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REASONS FOR PERMIT DENIAL



- Denied a wetland resource permit
- Denied authorization to use sovereign submerged land for placement
- 90% of the 150 disposal areas are within-bank disposal
- Within-bank material migrates downstream to clog sloughs, springs and other tributaries. Blocks access for recreational vessels and fish during low water conditions.
- T&ES in the floodplain, including mussels, have been adversely impacted from the dredged material disposal.
- Tree snagging (productive habitat for fish and macroinvertebrates) has significantly reduced the overall productivity.
- Turbidity monitoring
- DA 39 – site was exceeded and never restored

V. PROPOSED CHANGES

The Department has determined that the following changes to the project may enable the Department to grant a consolidated permit and authorization to use sovereign submerged lands:

1. Provide reasonable assurances that the restoration of the sloughs and disposal site 39 required by Wetland Resource Permit No. 0129424-001-DF will be successfully accomplished, including documented federal authority and funding to conduct the work, and a schedule for timely completion of the work.
2. Eliminate the harmful practices of within-bank disposal and the continued use of disposal sites located within the river and floodplain. These disposal sites could be replaced with upland disposal sites or barging the material out of the river system.
3. Reduce the practice of snag removal to minimize the loss and degradation of habitat.

Modification of the project as specified above may enable the Department to grant a consolidated permit and authorization to use sovereign submerged lands.



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CHALLENGES AND WAY AHEAD



- Identify active Non-Federal Sponsors
- Determine utilization of the system
 - Is the entire system needed or only certain portions?
- Identify acceptable material placement options
 - Beneficial use opportunities
- Prepare an Environmental Impact Statement (EIS)
- Perform multibeam survey
 - Channel availability and sail line
 - Mussel habitat location
- Cooperative agency meetings
- Sediment transport modeling
- Prepare biological assessment and NEPA documentation
- Conduct wetland delineation
- Build partnerships with users and agencies
 - Recurring meetings



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QUESTIONS?