

MOBILE DISTRICT 2024 DREDGING PROGRAM

ASHLEY KLEINSCHRODT
CHIEF, NAVIGATION



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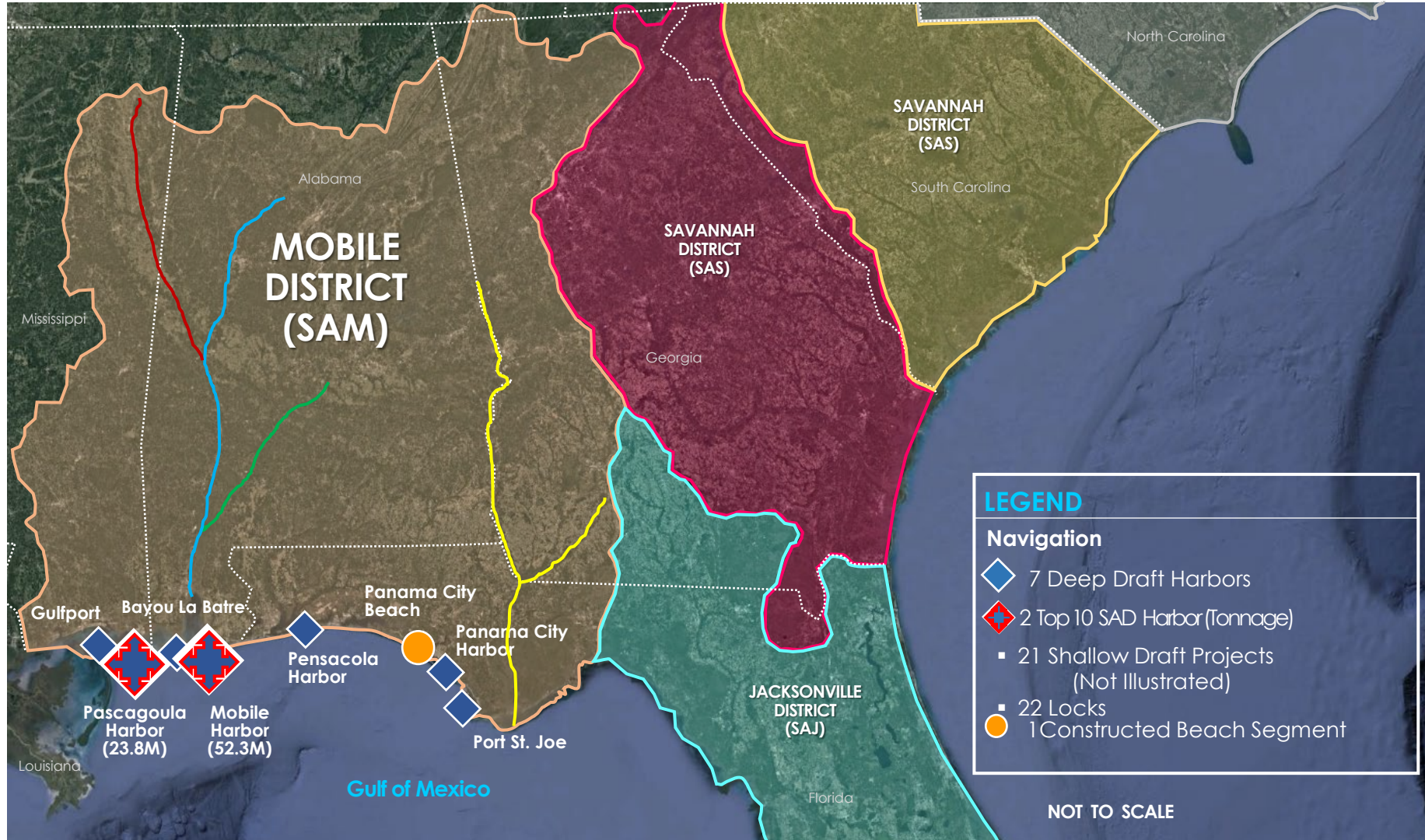
US Army Corps
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Mobile District



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MOBILE DISTRICT



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MOBILE HARBOR



CARGO TYPES

- Import: Heavy lift and oversized cargo, containers, coal, aluminum, iron, steel, copper, lumber, wood pulp, plywood, roll and cut paper, cement
- Export: Heavy lift and oversized cargo, containers, coal, lumber, plywood, wood pulp, OSB, laminate, flooring, roll and cut paper, iron, steel, frozen poultry, grain, and chemicals

TONNAGE (millions)

52.3

DOLLAR VALUE (billions)

\$ 29.1

MAINTENANCE

- Dredging Frequency: Annual
- Dredge Type: Hopper, Bucket and Hydraulic Cutterhead
- Project Depth: 45'

SPECIAL CONSIDERATIONS

- None

Local Sponsor: Alabama State Port Authority

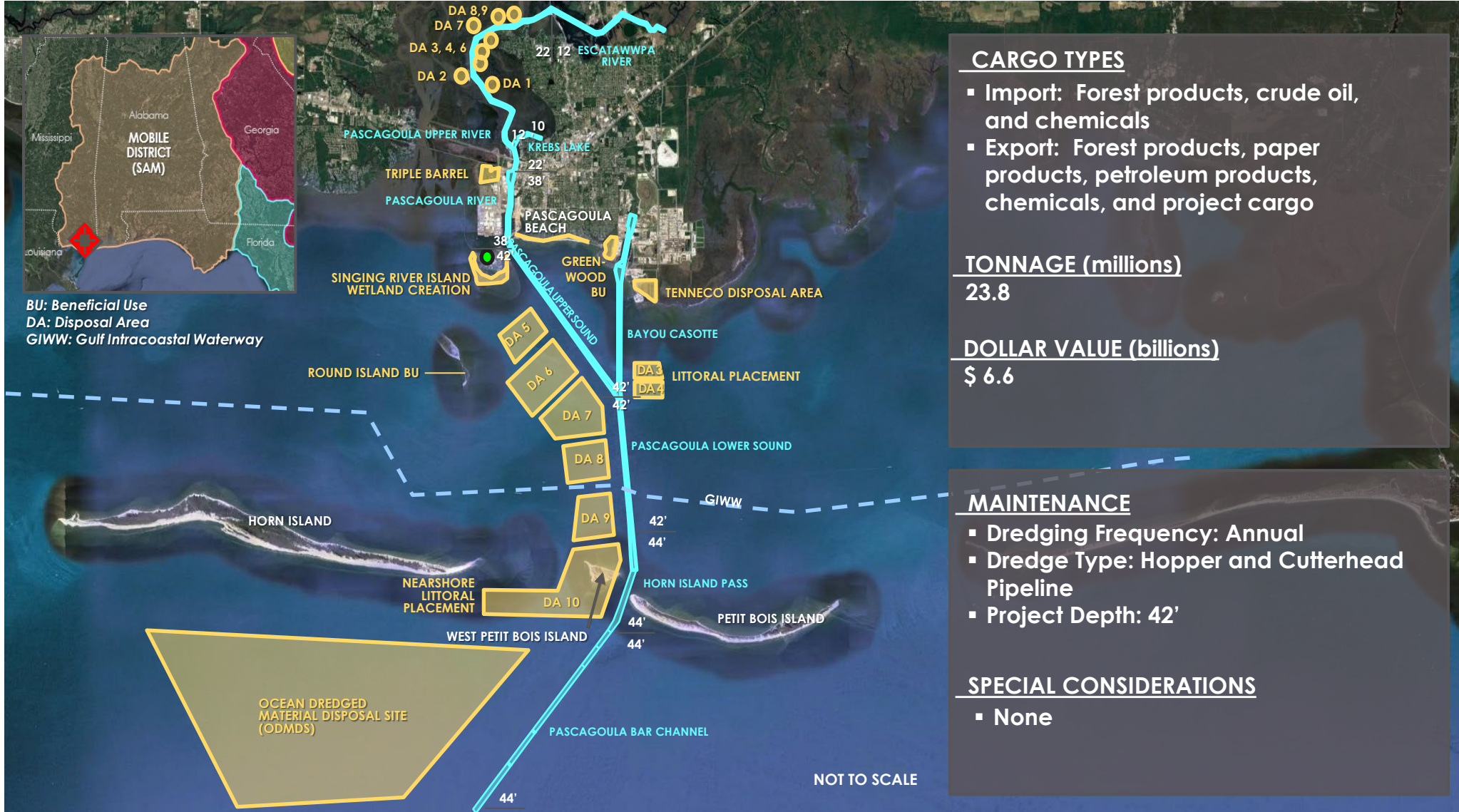
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PASCAGOULA HARBOR



Local Sponsor: Jackson County Port Authority

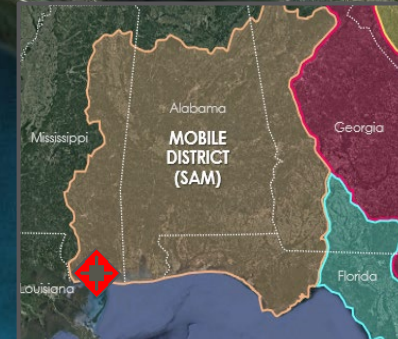
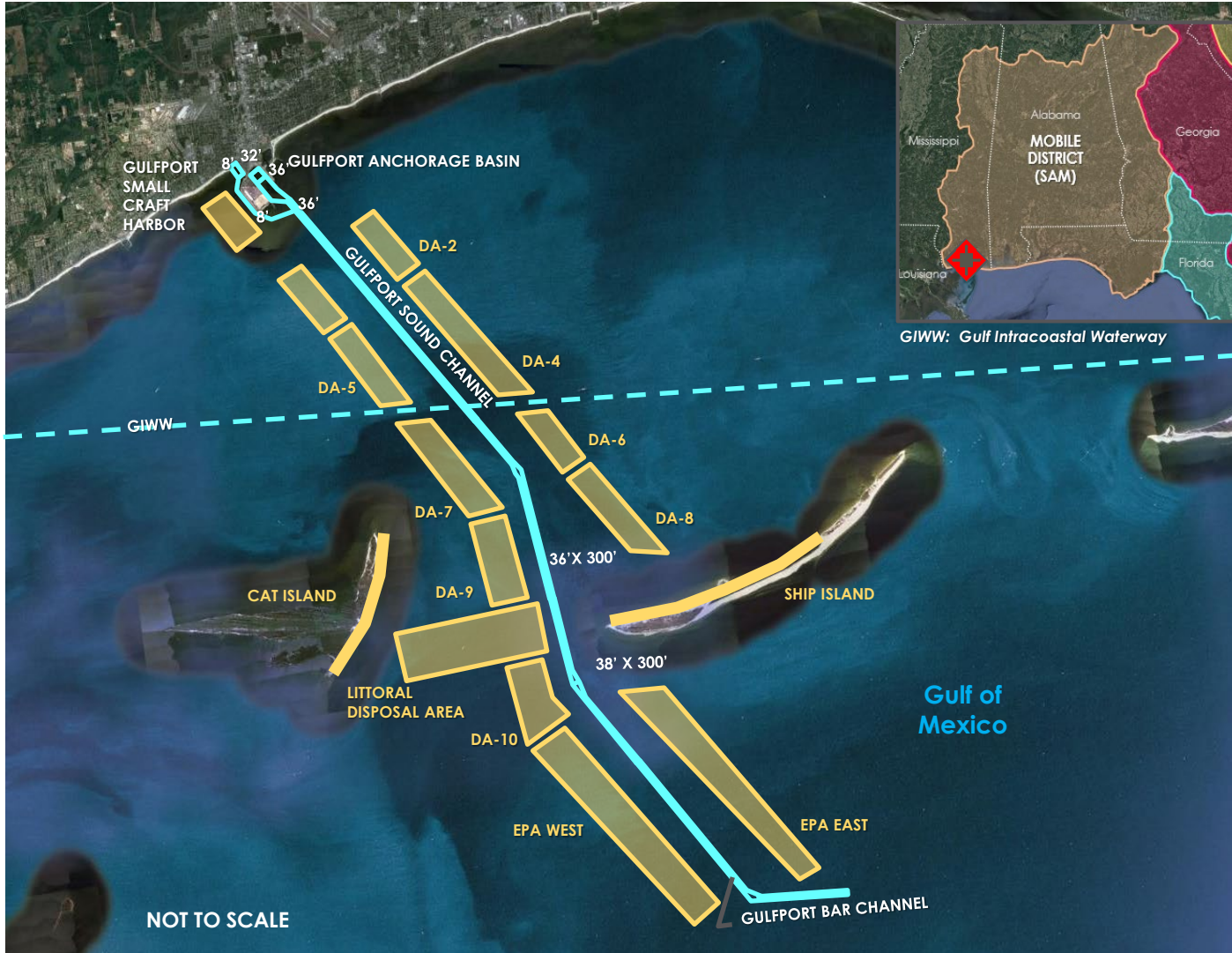
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GULFPORT HARBOR



GIWW: Gulf Intracoastal Waterway

CARGO TYPES

- Imports: Bananas, pineapples, fresh produce, frozen poultry and pork, apparel, paper, cotton, lubricants, electrical equipment, automobiles, construction supplies and materials, road building machinery

TONNAGE (millions)

2

DOLLAR VALUE (billions)

\$ 3.1

MAINTENANCE

- Dredging Frequency: Annual
- Dredge Type: Hopper and Hydraulic Cutterhead
- Project Depth: 36'

SPECIAL CONSIDERATIONS

- None

Local Sponsor: Mississippi State Port Authority

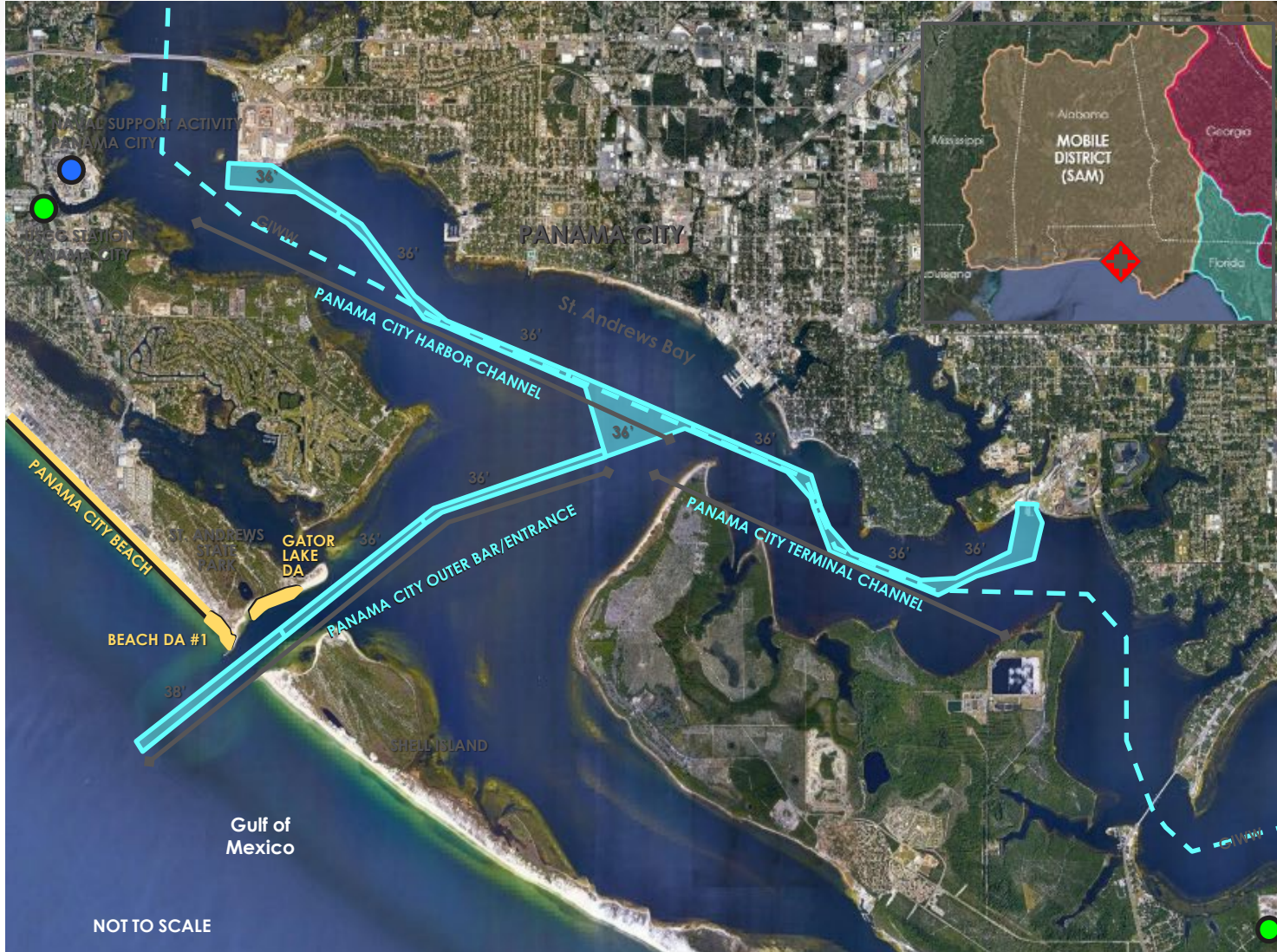
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PANAMA CITY HARBOR



CARGO TYPES

- Copper
- Bulk Paper / Linerboard
- Wood Pellets
- Containers
- Break Bulk
- Steel Sheets / Pipeline
- Agricultural Products
- Undersea Cable

TONNAGE (millions)

2.3

DOLLAR VALUE (billions)

\$ 3.6

MAINTENANCE

- Dredging Frequency: 2 years
- Dredge Type: Cutterhead Pipeline
- Project Depth: 36'

SPECIAL CONSIDERATIONS

- None

NOT TO SCALE

Local Sponsor: Panama City Port Authority

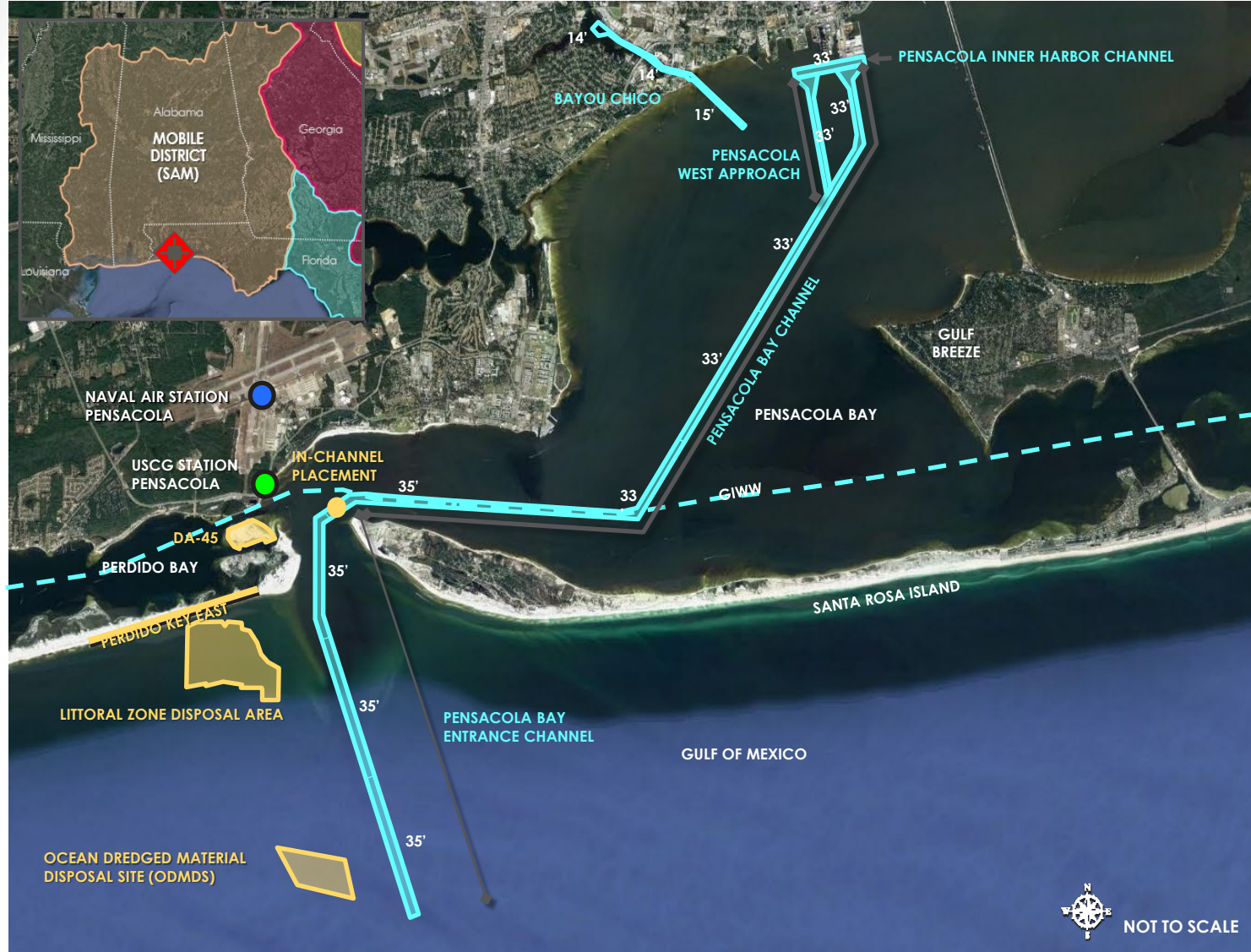
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PENSACOLA HARBOR



CARGO TYPES

- Large Scale Wind Generator Turbines
- Bulk Solids and Liquid
- Fuels
- Offshore Oil Industry Supplies / Logistical Support

TONNAGE (millions)

1.4

DOLLAR VALUE (billions)

\$.4

MAINTENANCE

- Dredging Frequency: 2 to 3 years
- Dredge Type
 - ▶ Entrance: Cutterhead Pipeline and Hopper (Beach placement)
 - ▶ Inner Harbor: Hopper ODMDS
- Project Depth: 33'

SPECIAL CONSIDERATIONS

- Environmental window 01 Nov thru 15 Feb

Local Sponsor: Pensacola Port Authority

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DREDGING SCHEDULE



Mobile District FY24 Dredging Program

South Atlantic Division

Updated 01 Nov 2023

General Navigation POC:
George F. Rush 251-694-3715

Project	Contractor & Dredge	OCT		NOV				DEC				JAN				FEB				MAR				APR				MAY				JUN				JUL				AUG				SEP			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY23 Hopper Rental \$20 M IDIQ W9127823D0057 Awarded 11 April 23	Manson <i>Glenn Edwards</i>	POC - Matthew Edwards 251-298-6874																																													
Coastal 30 in. Rental \$49 M IDIQ W9127823D0065 Awarded 15 May 23	Manson <i>Robert White</i>																																														
Coastal 27-30 in. Rental 27-30 inch Cutterhead W9127823D0026 Awarded 08 Nov 2022	Mike Hooks <i>Missouri H</i>																																														
Mobile District 24 in. Rental \$30 M IDIQ W9127823D0056 Awarded 18 April 2023	Inland <i>America</i> <i>Ranger</i>																																														
Dauphin Island Pass Drury Equipment Rental W9127822D0025	C&C Marine <i>Cledus</i>																																														
Panama City Beach Unit Price W9127821C0007	Great Lakes <i>Dodge Island</i> <i>Padre Island</i>	POC - Barry Dailey 251-694-3713																																													

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DREDGING SCHEDULE



FY24 Hopper Rental \$20 M IDIQ	Adv. 14 Feb 24 BO 15 Mar 24		POC - Matthew Edwards 251-298-6874
FY24 Mechanical \$10M "C" Contract	Adv. 06 May 24 BO 06 Jun 24		POC - Travis Dyess 251- 622-1715
Mobile District Rental 24 in. \$30 M IDIQ	Adv. 01 Mar 24 BO 01 Apr 24		POC -Tyler Perry 251-441-5227
Coastal 27-30 in. Rental \$49M IDIQ	Adv. 01 May 24 BO 03 Jun 24		POC -Travis Dyess 251- 622-1715
Mobile Deepening Phase 2a Mobile Bar	Adv. TBD BO TBD		POC - Barry Dailey 251-694-3713
Mobile Deepening Phase 2b Mobile Lower Bay	Adv. 7 Mar 24 BO 17 Apr 24		POC - Barry Dailey 251-694-3713
Mobile Deepening Phase 5 Mobile Bay W9127823B0004	Adv. 01 Nov 23 BO 05 Dec 23		POC - Barry Dailey 251-694-3713
Mobile Deepening Phase 6 Mobile Bay	Adv. 16 Jan 24 BO 23 Feb 24		POC - Barry Dailey 251-694-3713

Posted online:



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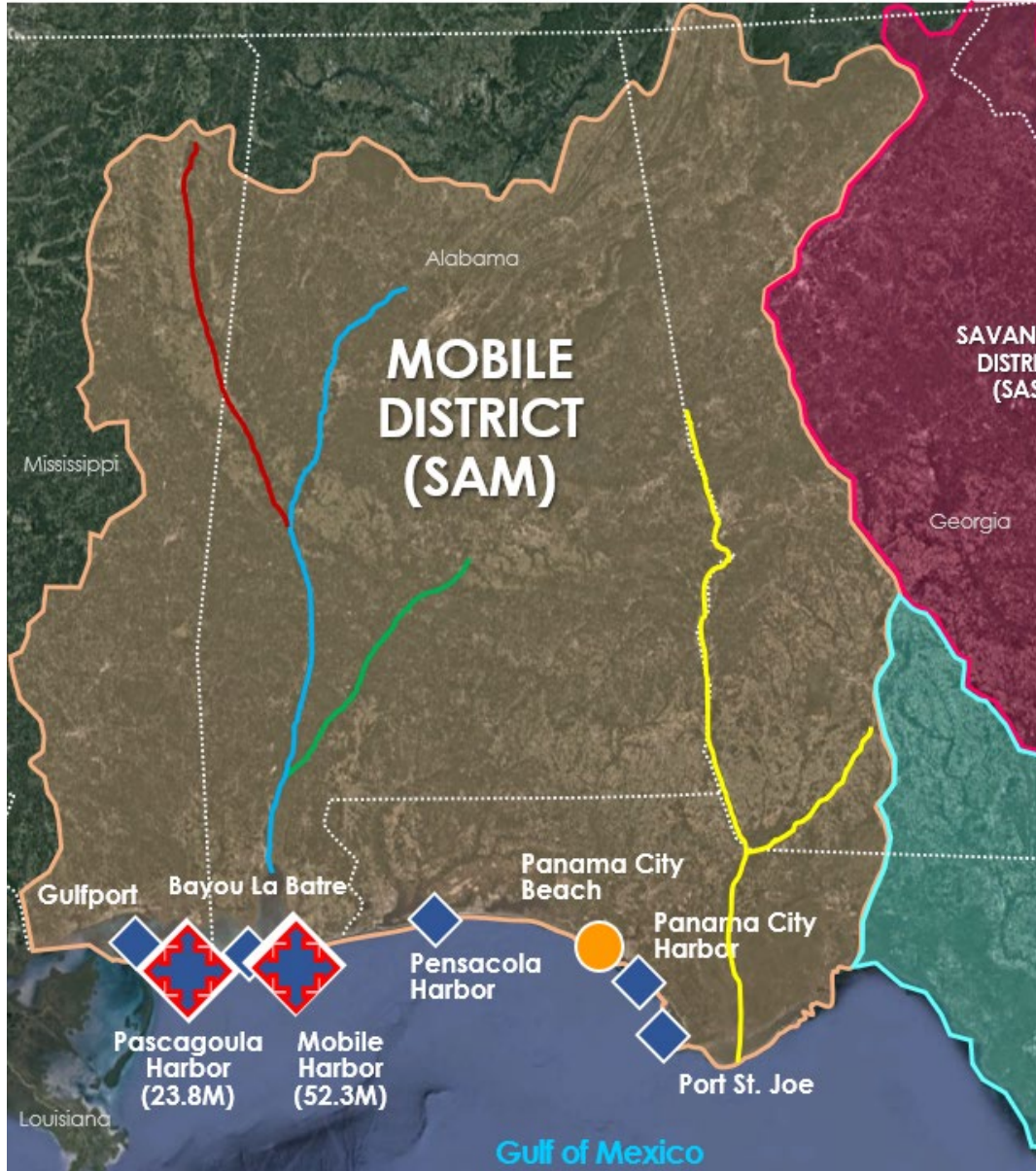
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\$20M IDIQ Hopper Rental



LOCATION: Mobile, Gulfport, Pascagoula, Pensacola

DREDGE TYPE: Hopper (min of 3600cy)

PLACEMENT: Sand Island Beneficial Use Area (SIBUA),
Ocean Disposal (ODMDS)

QUANTITY: 5-8 MCY

DEPTH: Varies

ADVERTISE: 14 Feb 2024

BID OPENING: 14 Mar 2024

CONTRACT DURATION: 14month contract

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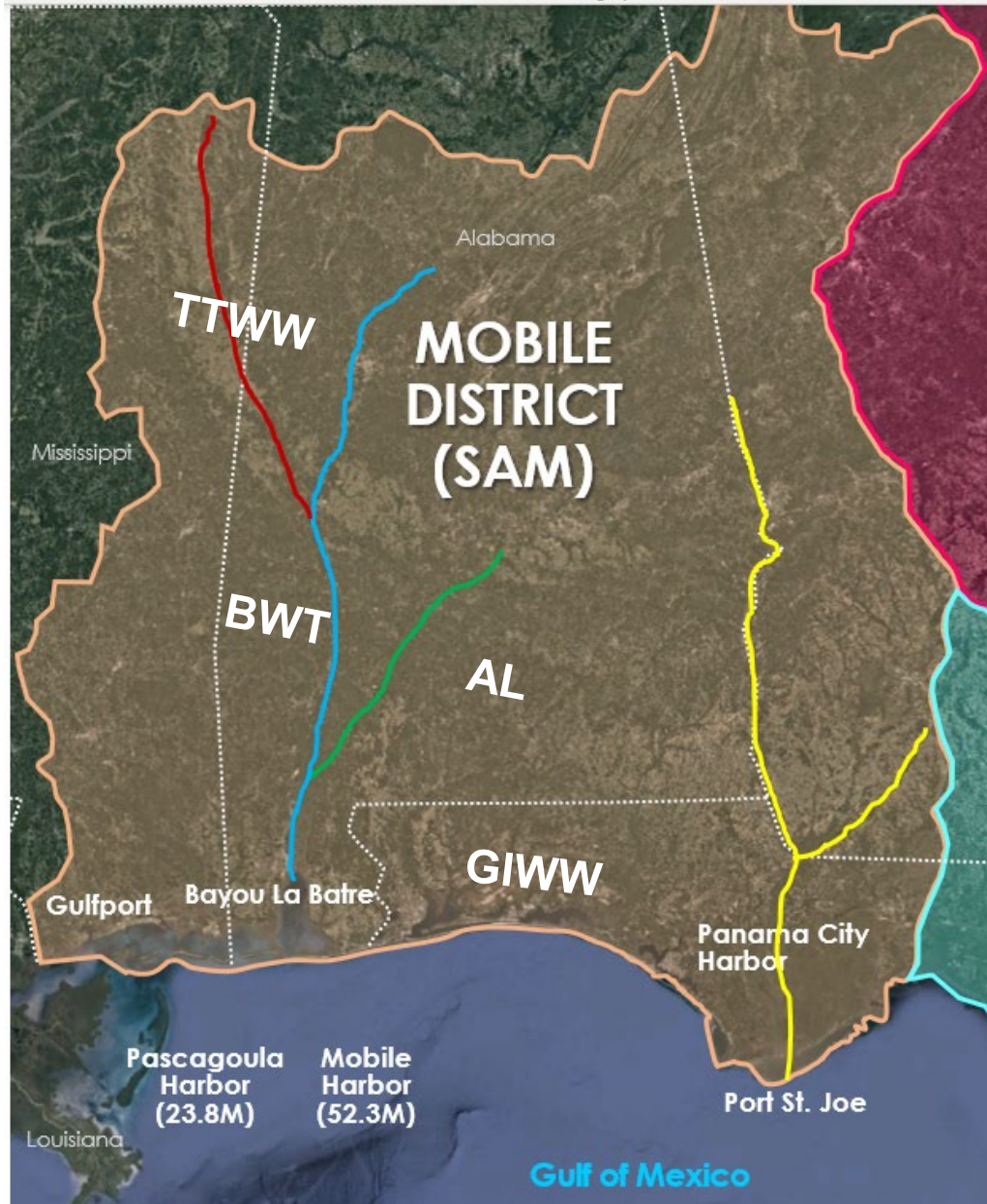
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\$30M 24" IDIQ Pipeline Rental



LOCATION: Black Warrior-Tombigbee, Tennessee-Tombigbee, Alabama River, GIWW, Shallow Draft

DREDGE TYPE: 24" Pipeline

PLACEMENT: Upland, In-Bank & Thin Layer

QUANTITY: 3-5+ MCY

DEPTH: Shallow Draft

ADVERTISE: 01 Mar 2024

BID OPENING: 01 Apr 2024

CONTRACT DURATION: 14months

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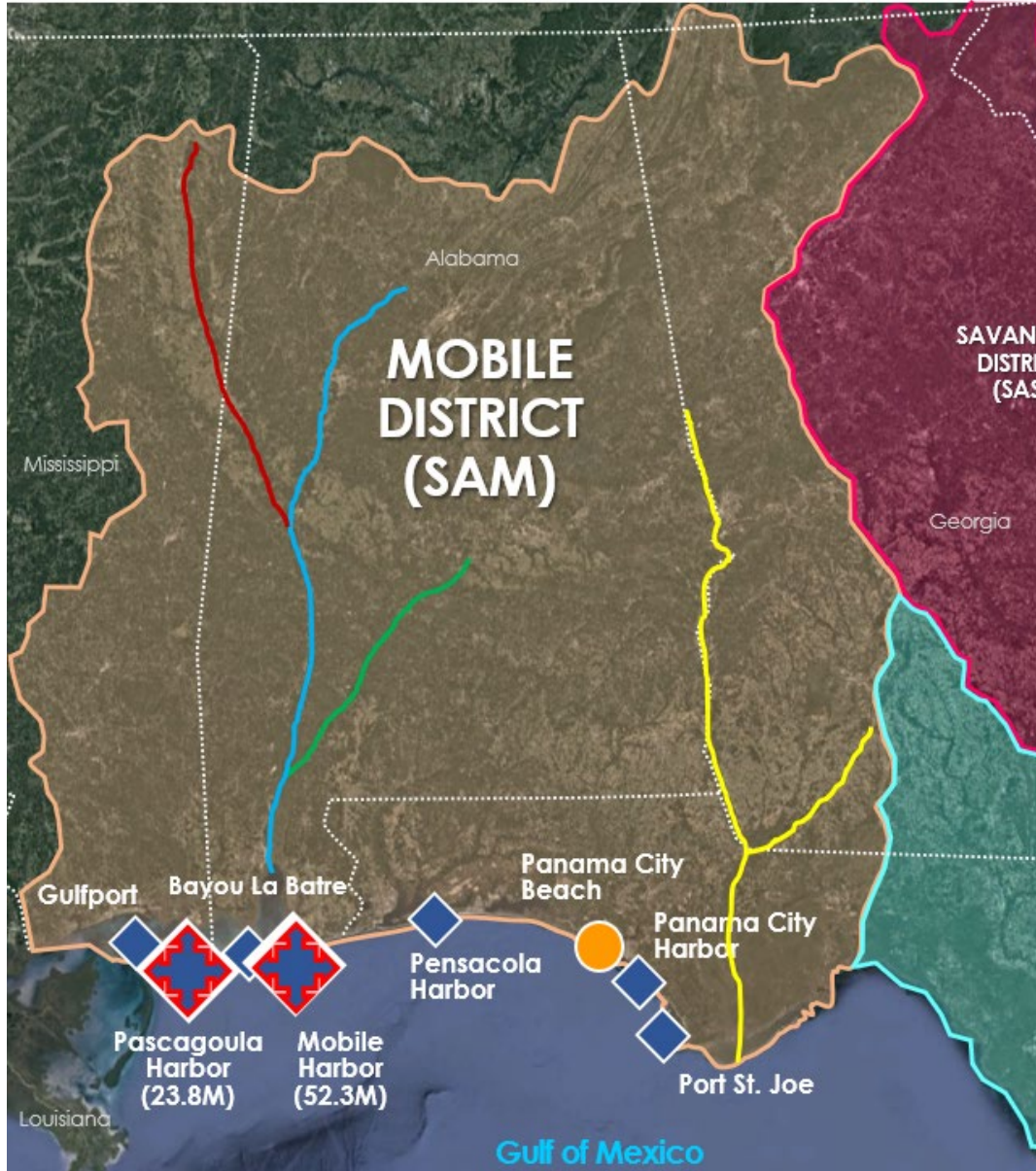
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\$49M 27-30" IDIQ Cutterhead Pipeline Rental



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LOCATION: Alabama, Mississippi and Florida

DREDGE TYPE: 27-30 inch Pipeline

PLACEMENT: Upland & Thin Layer Open Water

QUANTITY: 10-15 MCY

DEPTH: Varies

ADVERTISE: 01 May 2024

BID OPENING: 03 Jun 2024

CONTRACT DURATION: 14month contract

WEDA GULF COAST CHAPTER 2023 ANNUAL MEETING

Mobile Harbor Update

07 NOVEMBER 2023



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- ❑ Channel Deepening: 50 feet Bay/ 52 feet Bar
- ❑ Channel Widening: 3 mi. long, 100 ft wide* **A**
- ❑ Turning Basin Modification **B**
- ❑ Bar Channel Bend Easing **C**



CONSTRUCTION STATUS

- Project Partnership Agreement (PPA): 17 Jun 2020
- First Contract (Phase 1) Awarded: 28 Sep 2020 - Complete
- Second Contract (Phase 3) Awarded: 21 Apr 2021- Complete
- Third Contract (Phase 4) Awarded: 11 July 2022 - Complete

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Mobile Harbor Project Plan



**Beneficial Use Site
Mobile Harbor Phase #**

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CONSTRUCTION PHASING

Phase 1: Bar Channel Deepening (Complete)	1.6MCY	Hopper/Pipeline	
Phase 2a and 2b: Bar Channel & Bend Easings to 52' plus Widener	7.1MCY	Hopper	2
Phase 3: Deepening Lower Bay Channel (Complete)	6.1MCY	Hopper	
Phase 4: Deepening remainder of Lower Bay Channel and portion of Upper Bay Channel (Complete)	6.1MCY	Hopper	
Phase 5: Deepen Upper Bay Channel (Relic Shell)	4.6MCY	Pipeline	5
Phase 6: Turning Basin	2.1MCY	Bucket and Scow	6

TARGET CONSTRUCTION SCHEDULE

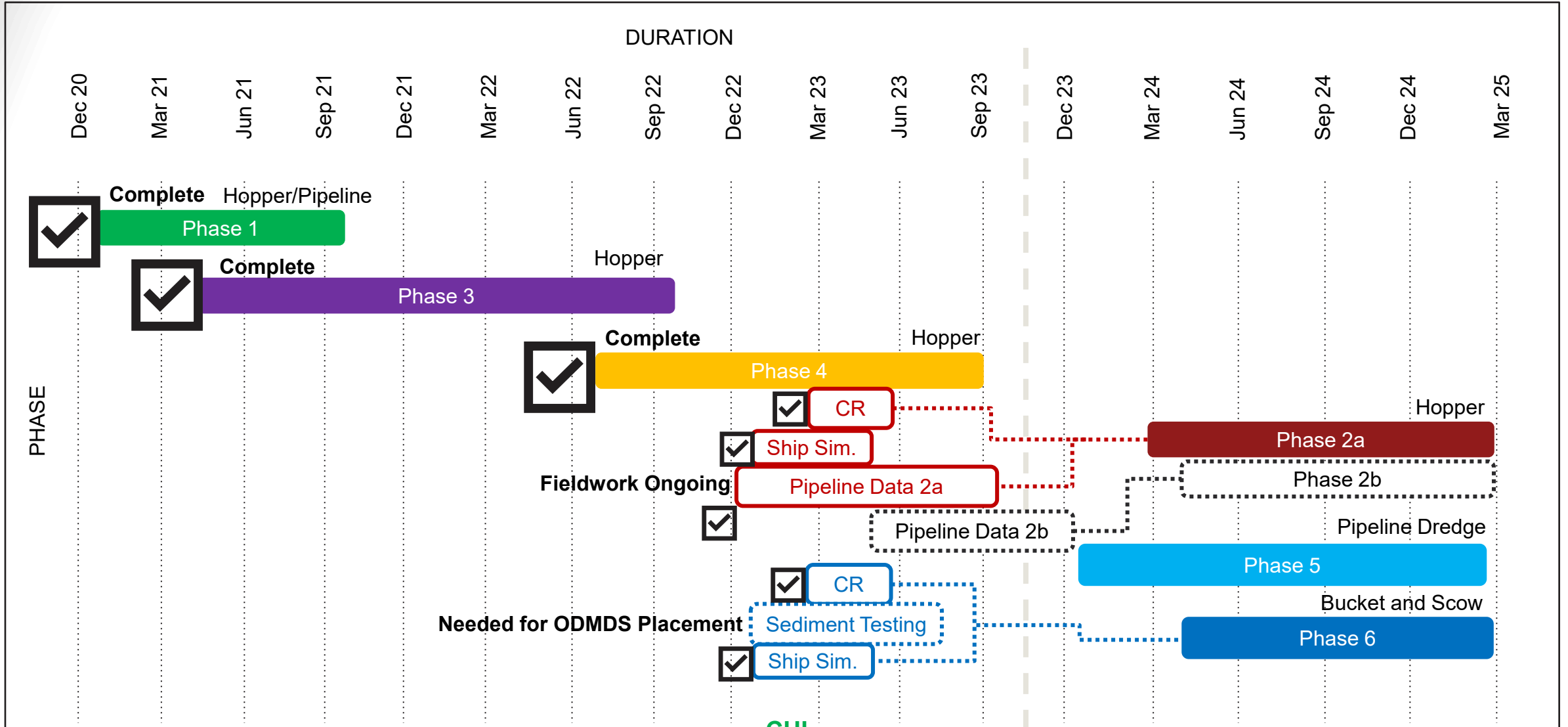
Phase 1	FY20 (Sep 2020)	6-9 month effort
Phase 2a	FY24 (2 nd quarter)	10-12 month effort
Phase 2b	FY24 (2 nd quarter)	10-12 month effort
Phase 3	FY21 (Apr 2021)	12-18 month effort
Phase 4	FY22 (July 2022)	15 month effort
Phase 5	FY24 (1 st quarter)	10-12 month effort
Phase 6	FY24 (2 nd quarter)	8-10 month effort



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Mobile Harbor Target Construction Schedule

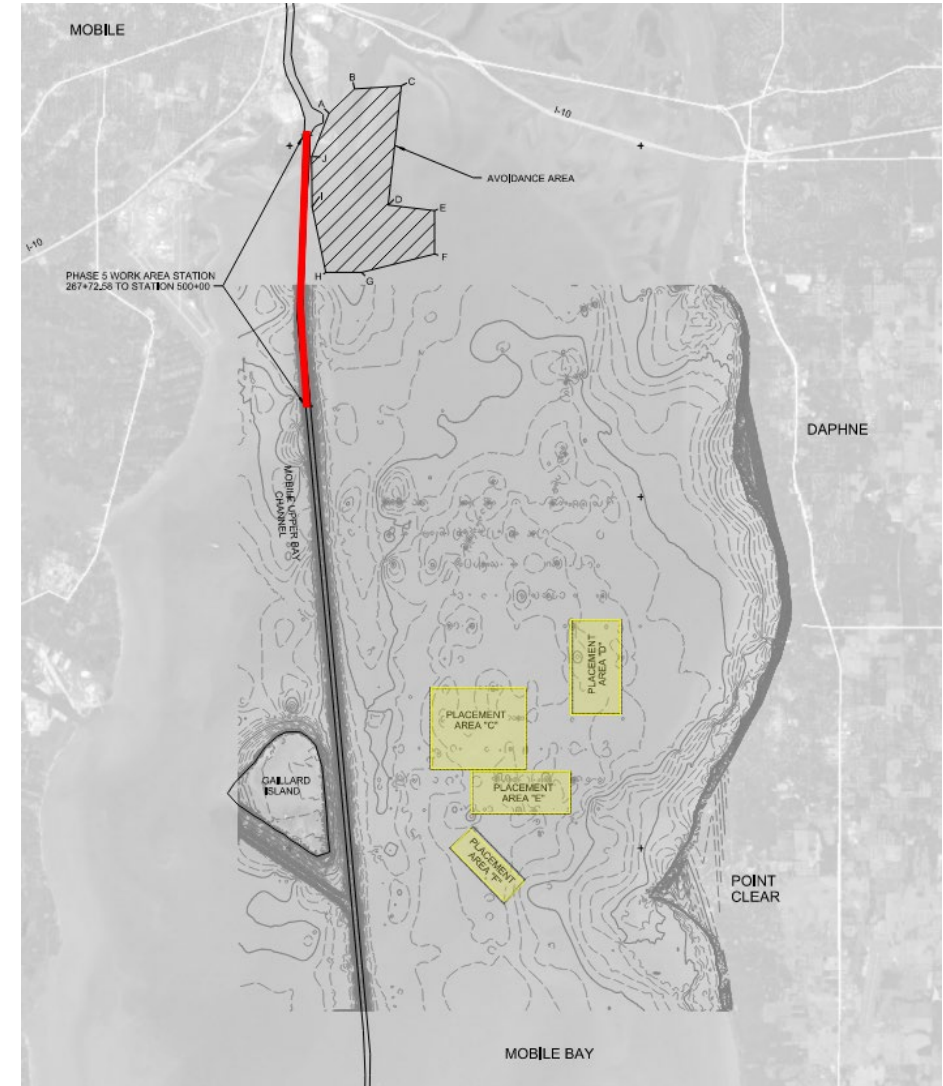




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Mobile Harbor Phase 5 Advertisement

- Advertised: 01 Nov 2023
- Solicitation Number: W9127823B0004
- Contractor Proposals Due: 05 Dec 2023
- Channel Dredging: 5,050,941 CY
 - 836,0005 CY Maintenance
 - 2,792,252 CY New Work
 - 1,422,684 Projected Shoaling
- Station 267+72.58 to 500+00
- Beneficial Use – Relic Shell
 - Placement Area C
 - Placement Area D
 - Placement Area E
 - Placement Area F



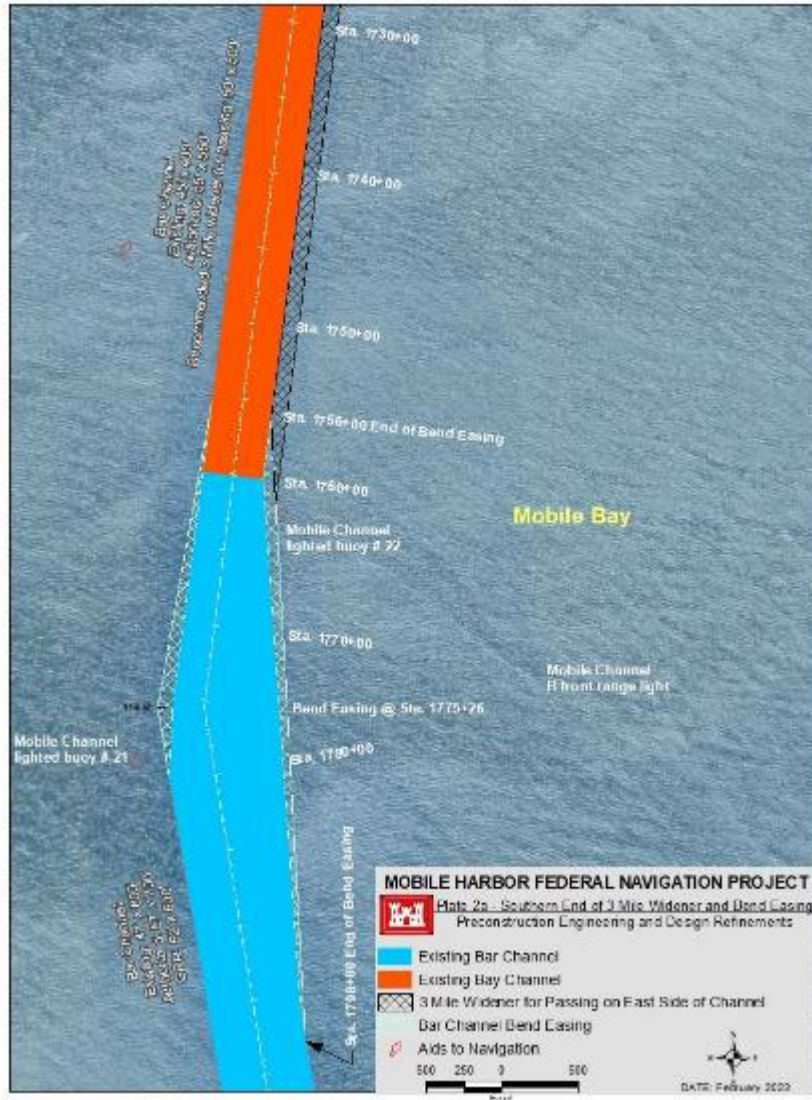


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Mobile Harbor Phase 2 Refinements

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Phase 2 Construction Split:

- ❑ Approx. Sta 1775+26
 - ❑ Phase 2a – Bar
 - ❑ Phase 2b - Bay
- ❑ Reduces volume to allow reduced period of performance.
- ❑ Allows Phase 2b to progress independent of Phase 2a.

Phase 2a:

- ❑ Bend Easing in the Bar Channel at Station 1775+26.
- ❑ Ship Simulation confirmed design.
- ❑ NEPA Complete.
- ❑ Need: Bundle 1 Pipeline vertical data
- ❑ Evaluating beneficial use placement – Pelican Key
- ❑ Advertisement and Construction Period of Performance: **TBD**

Phase 2b:

- ❑ Bundle 9 Pipeline Data confirmed 50 ft / 50ft widener as proposed in the GRR.
- ❑ NEPA performed in GRR.
- ❑ Design substantially complete.
- ❑ Advertisement: March 2024

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Mobile Harbor Phase 6 Refinements

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Phase 6:

- Turning basin and adjacent channel
- Channel widener west and south of Little Sand Island
- Improves maneuverability for vessels accessing McDuffie Terminal and the Turning Basin
- Ship Simulation confirmed design
- NEPA Complete
- Beneficial Use Placement
 - Deer River
 - Dauphin Island Causeway
 - Relic Shell
- Advertisement: January 2024

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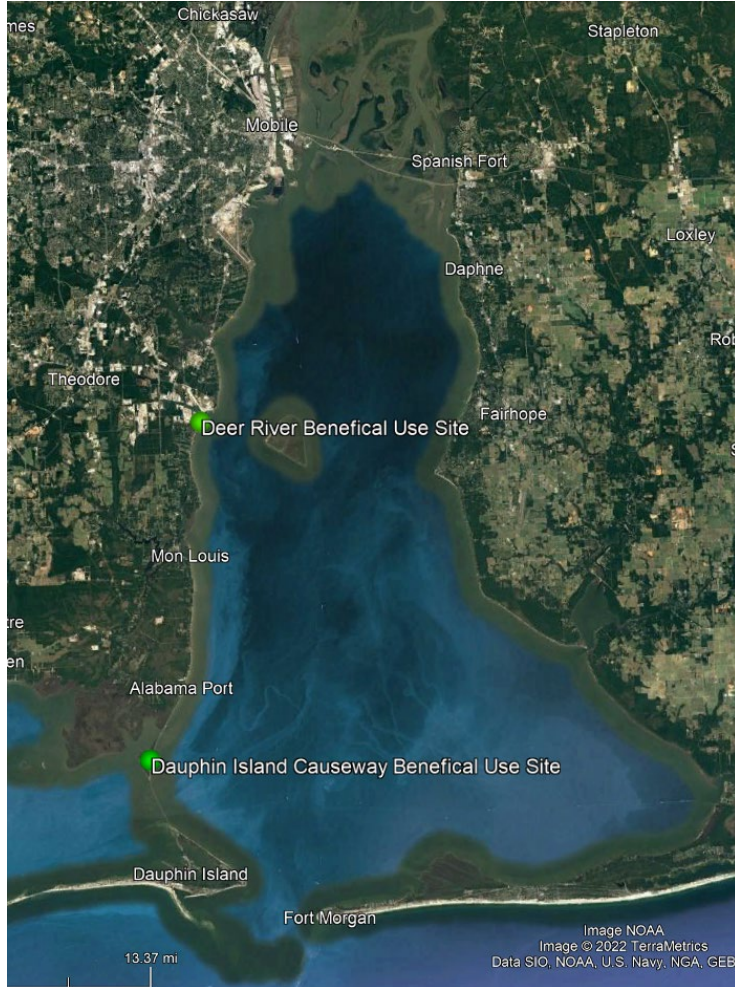
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Phase 6 Beneficial Use:

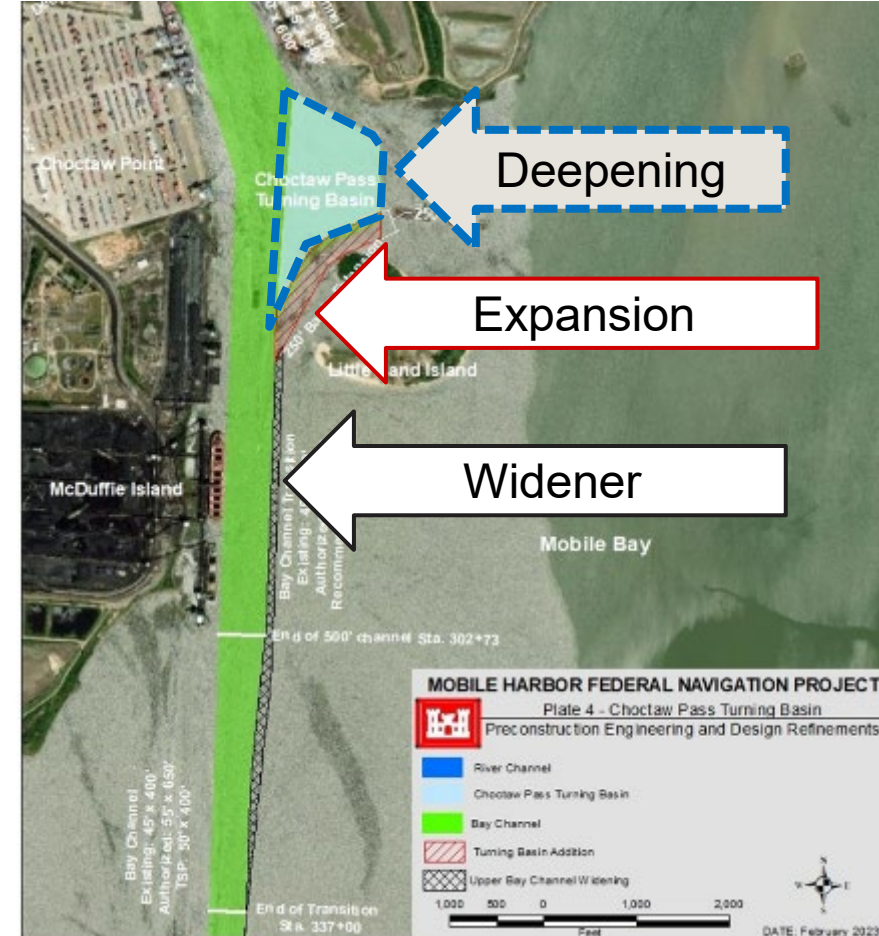
Dauphin Island Causeway and Deer River



Beneficial Use Site Locations



Turning Basin Modifications

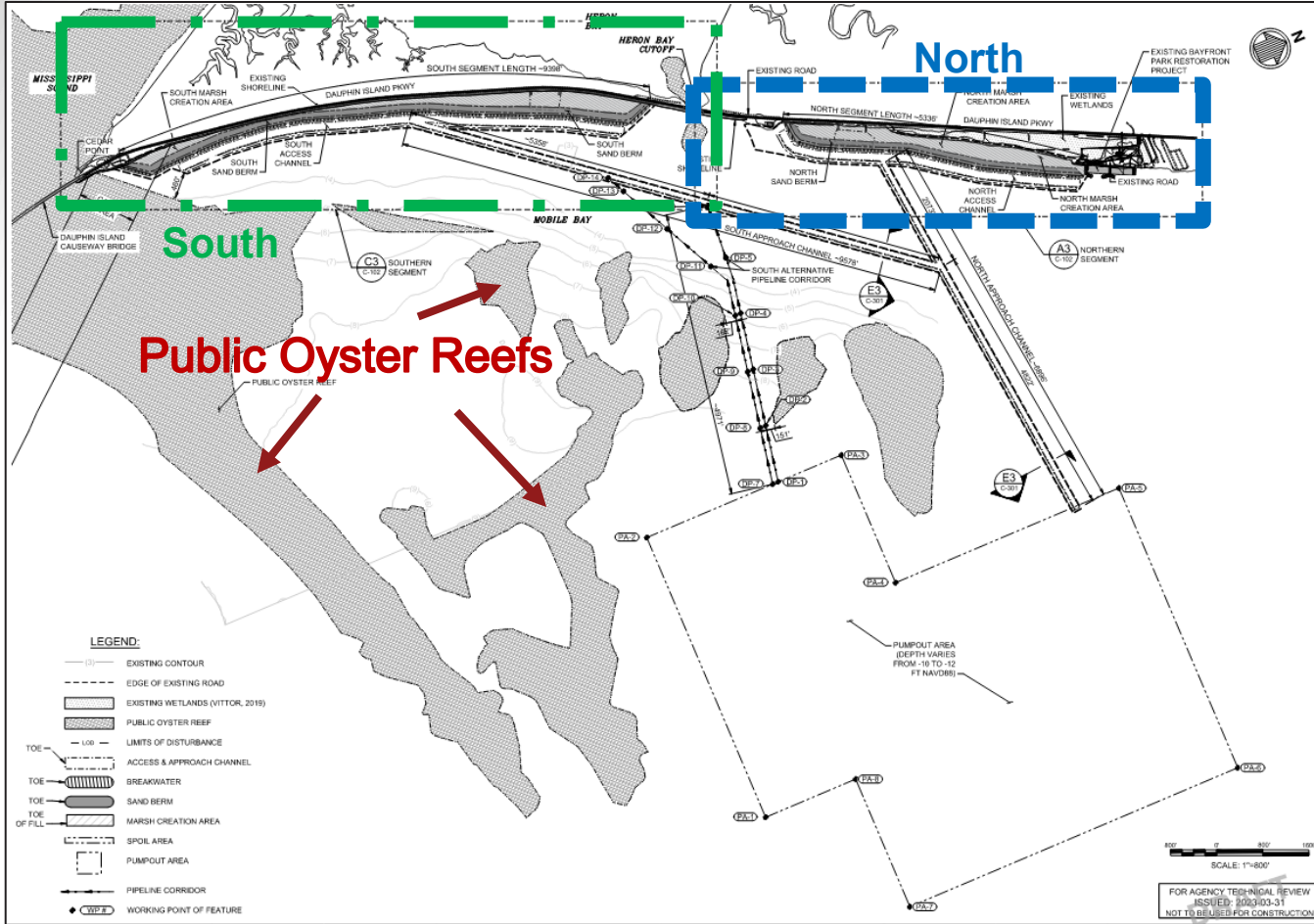




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Phase 6 Beneficial Use: Dauphin Island Causeway Project



Dauphin Island Causeway (Phase 6):

- ❑ Material from Turning Basin:
 - Historical predominantly sandy/coarse grained materials (SP, SW, SP-SM, SM)
 - Boring logs provided
- ❑ 2 placement areas
- ❑ Oyster Habitat nearby
- ❑ Water depths shallow (~ 2 to 10 ft deep)
 - ❑ Pump out area -10 to -12 ft elevation
- ❑ Distance from turning basin down the channel ~ 25 miles
- ❑ Channel to the placement areas ~6 miles

Environmental:

- ❑ Pre/Post Surveys
- ❑ Turbidity Monitoring

Project Proponent:
Mobile County

Designer:
Moffatt & Nichol



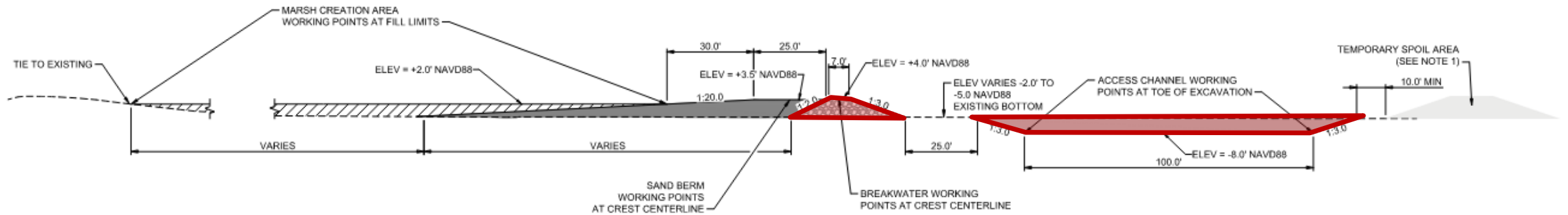
moffatt & nichol



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Phase 6 Beneficial Use: Dauphin Island Causeway Project



D1 BENEFICIAL USE PLACEMENT TYPICAL SECTION - NORTHERN SEGMENT
 C-102 SCALE: 1" = 20' VERTICAL EXG.: 1:1

Dauphin Island Causeway (Phase 6):

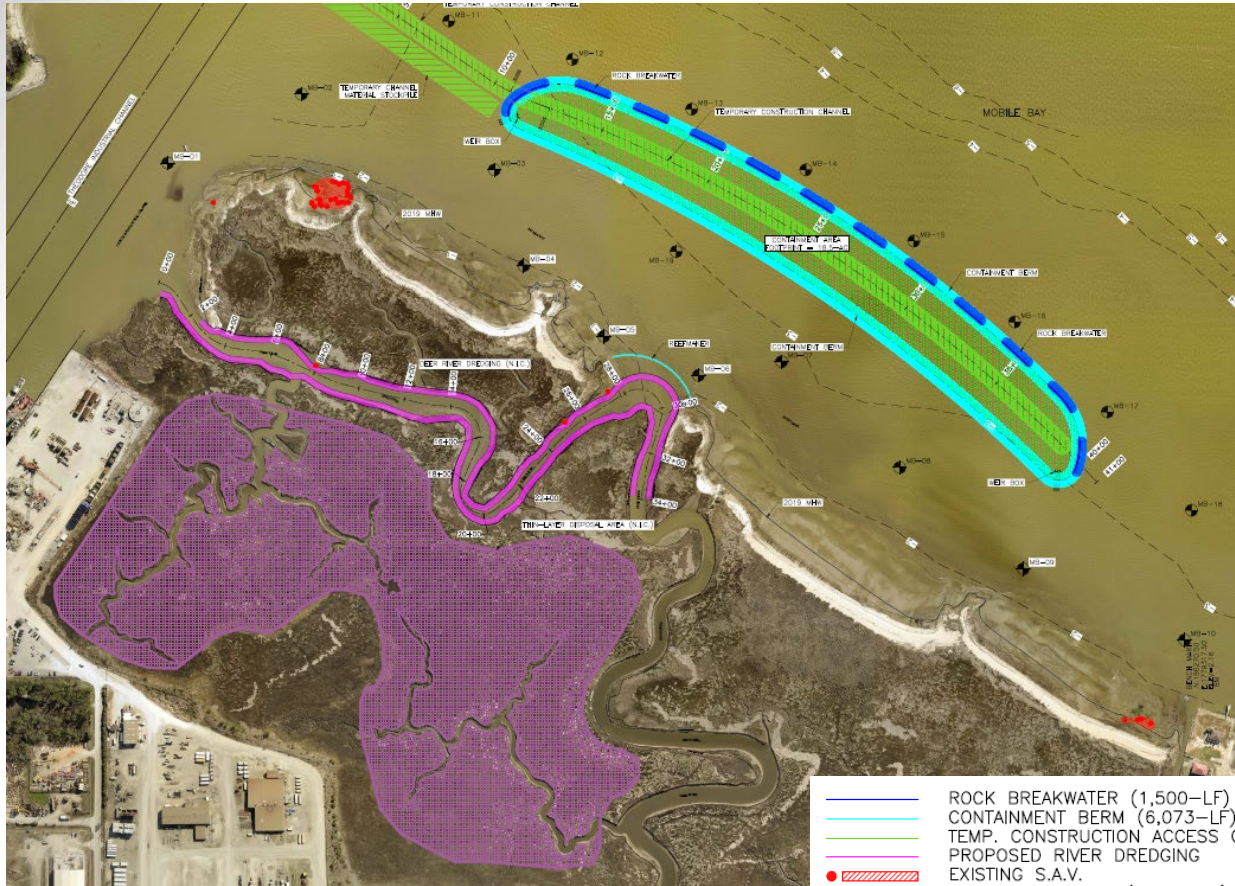
- Breakwaters to be constructed by others
- Sand berm and marsh fill components
- Prioritize sand from Turning Basin to construct sand berm
- +/- 6-inch tolerance



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Phase 6 Beneficial Use: Deer River Project



- Deer River (Phase 6):**
- ❑ 1 placement site approximate 20 acres
 - ❑ Submerged Aquatic Vegetation (SAV) nearby
 - ❑ Water depths shallow (~ 2 to 10 ft deep)
 - ❑ Distance from turning basin
 - ❑ down the channel ~ 15 miles
 - ❑ Theodore Ship Channel ~5 miles
 - ❑ Material from Turning Basin:
 - Historical predominantly sandy/coarse grained materials (SP, SW, SP-SM, SM)
 - Boring logs provided

- Environmental:**
- ❑ Pre/Post Surveys
 - ❑ Turbidity Monitoring

Project Proponent:
Mobile Bay National Estuary Program



Designer: Thompson

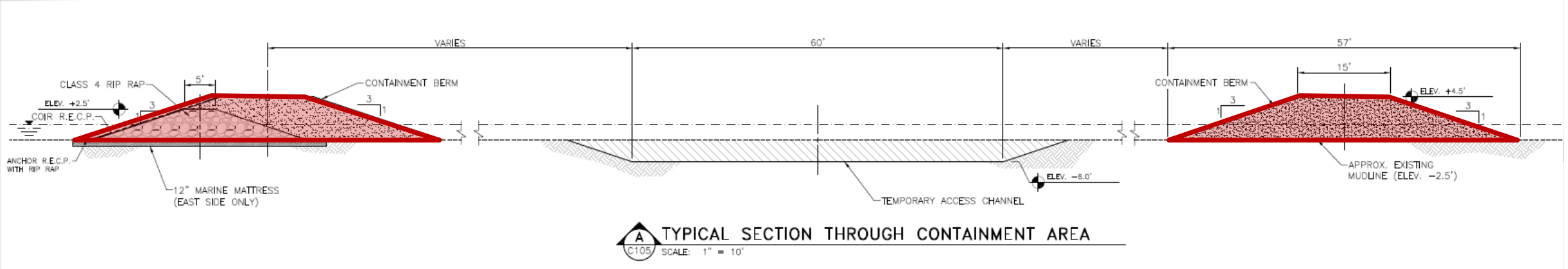




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Phase 6 Beneficial Use: Deer River Project



- Deer River (Phase 6):**
- Containment berm to be constructed by others
 - Temporary access channel to be constructed by others
 - Approximately 220,000 yd³ from turning basin

Project Proponent:
Mobile Bay National Estuary Program



Designer: Thompson





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QUESTIONS?

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