

MOUTH OF COLORADO AND SARGENT BEACH

*Mouth of Colorado River
Maintenance Dredging of Entrance
/ Jetty Channel and Sediment
Impoundment Basin with Sargent
Beach Beneficial Use
Breakwaters, Groin and Beach
Placement*

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Annual Dredging Meeting
05 November 2024

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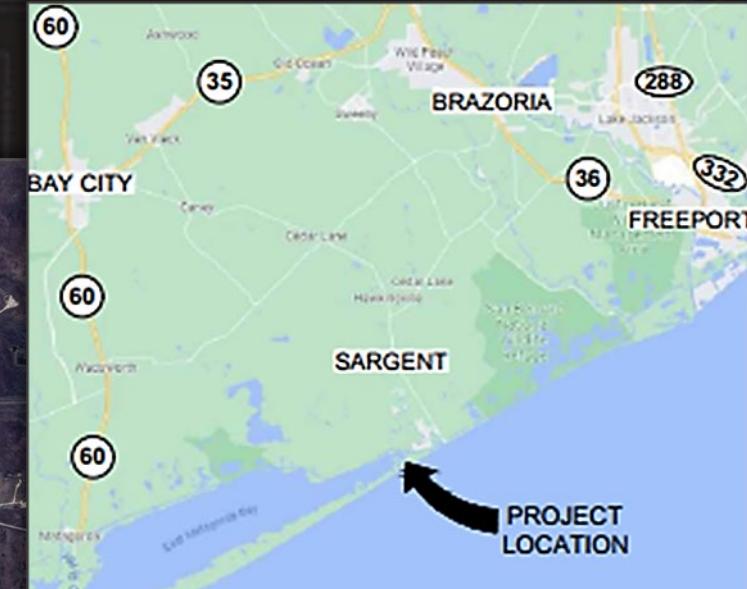
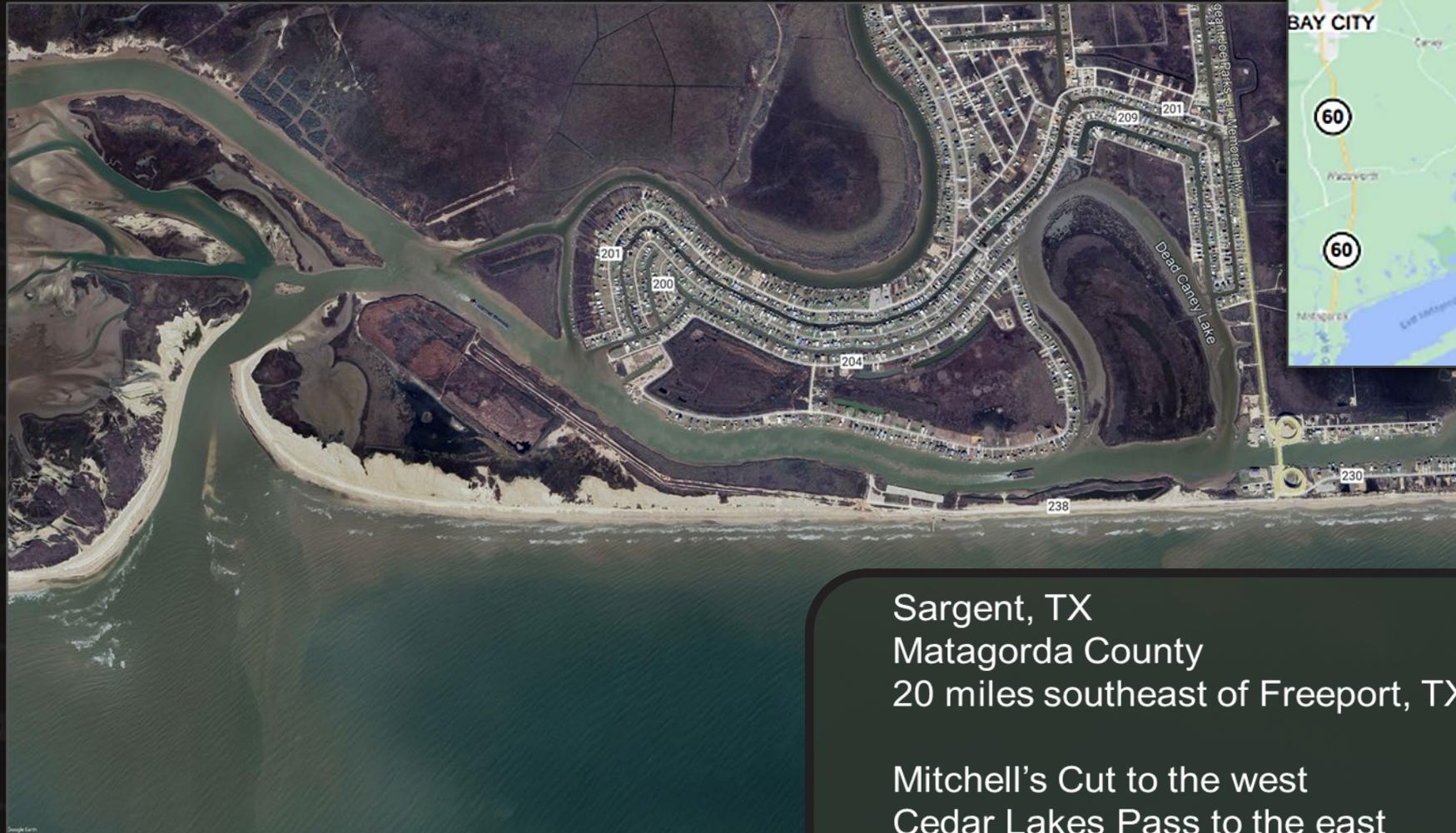


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LOCATION



Sargent, TX
Matagorda County
20 miles southeast of Freeport, TX

Mitchell's Cut to the west
Cedar Lakes Pass to the east

Partnership with TXGLO for Construction Phase



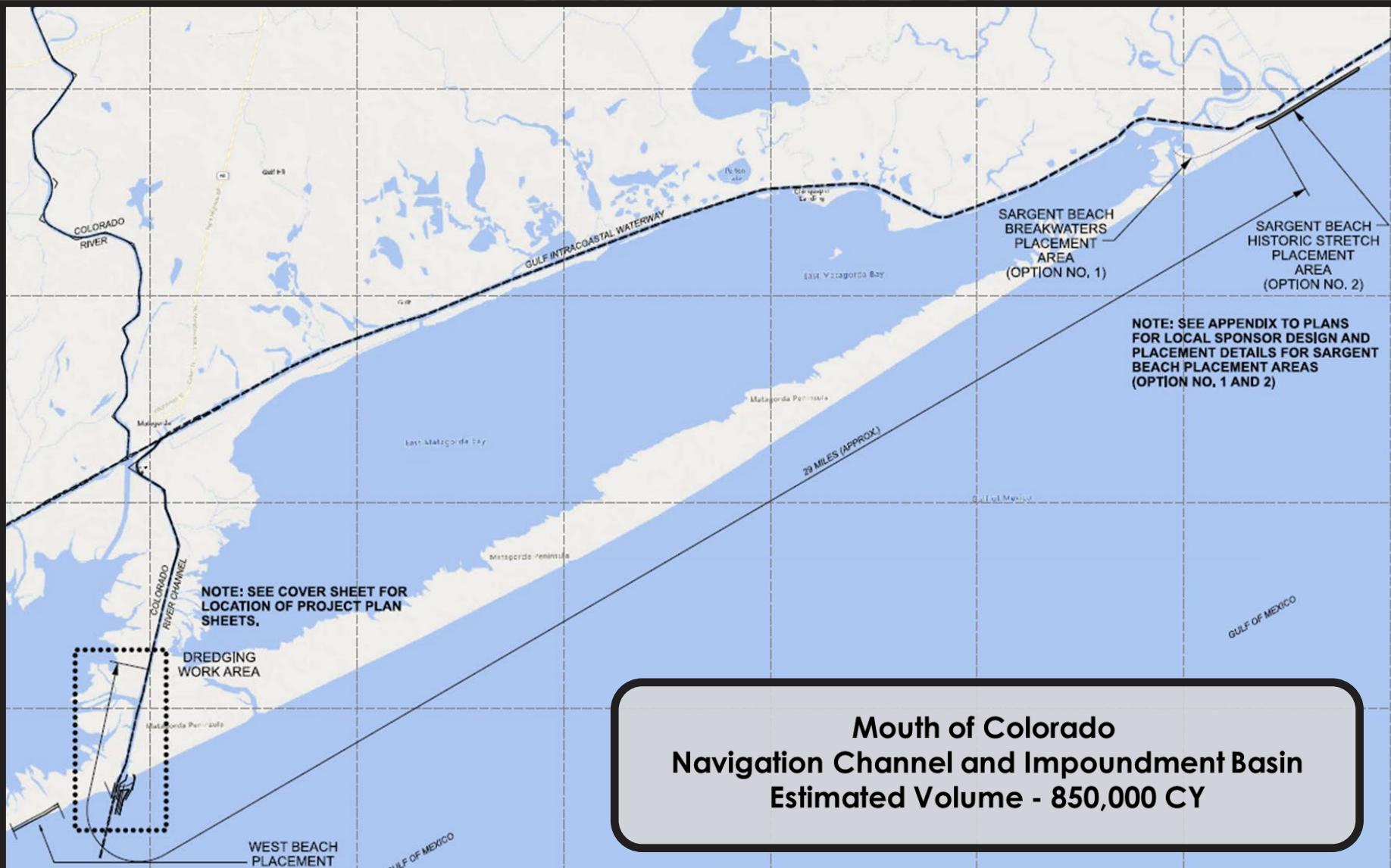
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Mouth of the Colorado and Sargent Beach



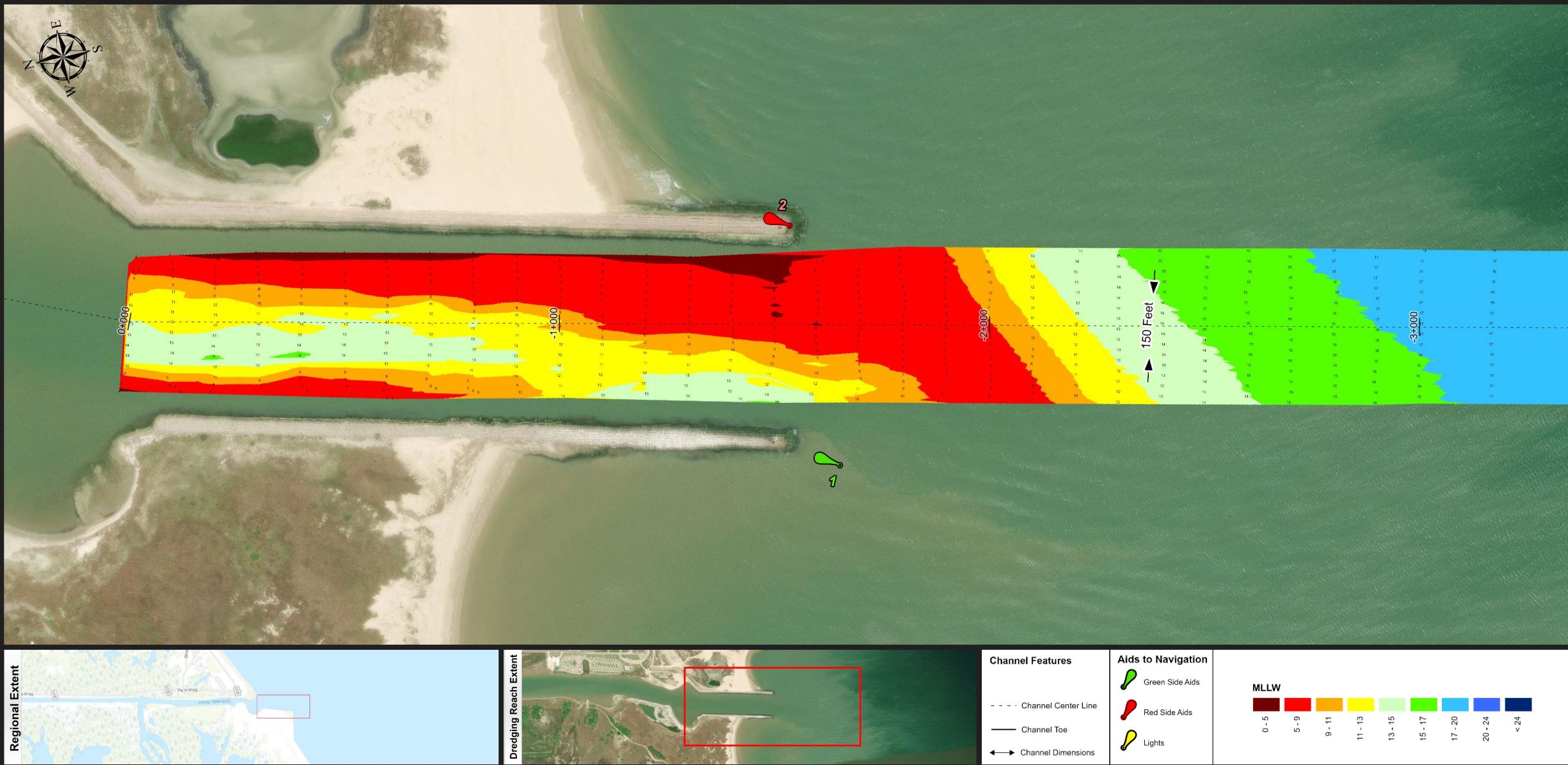


USACE FY25 MOUTH OF COLORADO JETTY & ENTRANCE CHANNELS AND SEDIMENT DETENTION BASIN MAINTENANCE DREDGING WITH OPTIONAL BENEFICIAL USE PLACEMENT



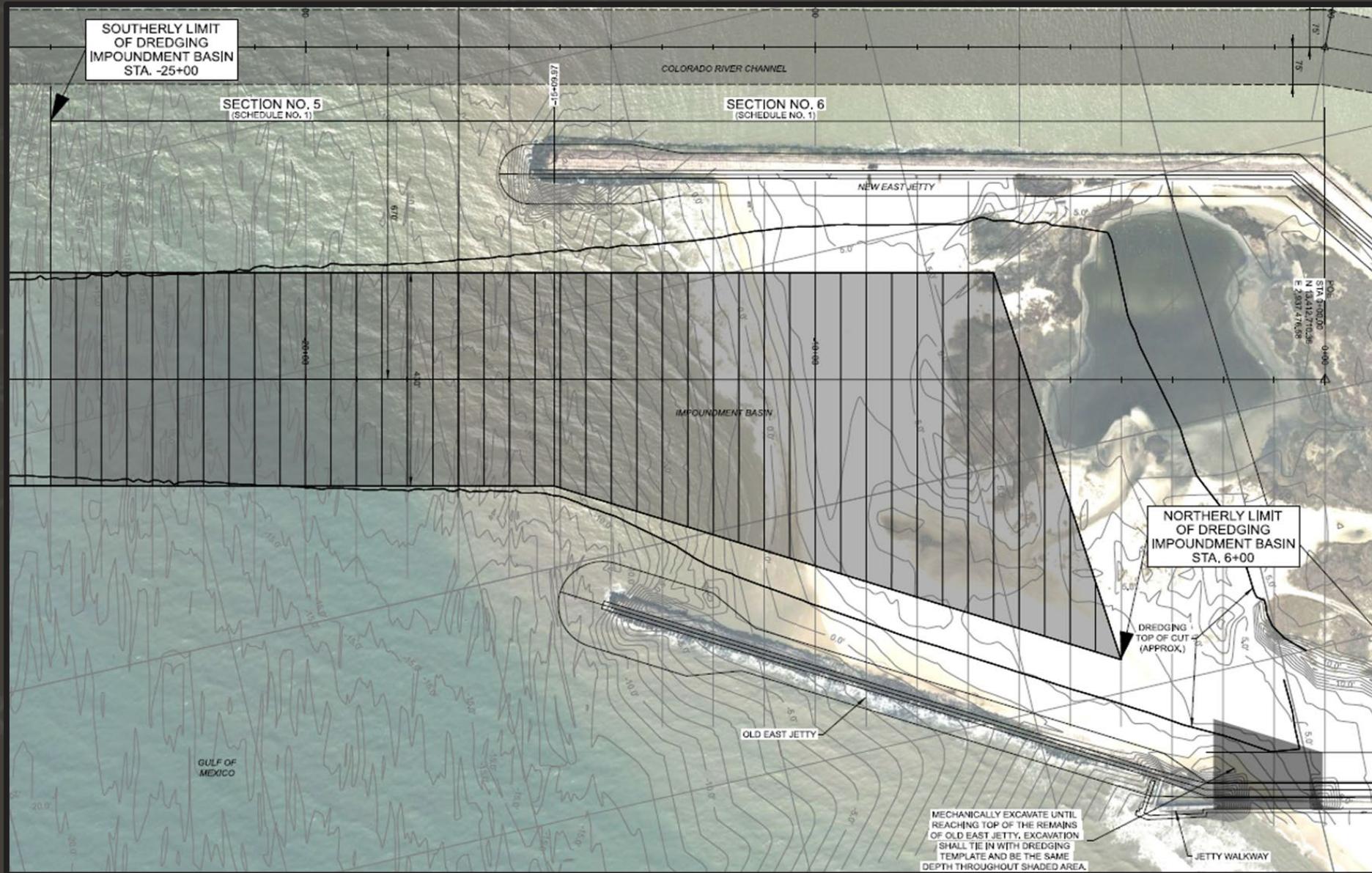


USACE BENEFICIAL USE OF DREDGED MATERIAL





USACE BENEFICIAL USE OF DREDGED MATERIAL



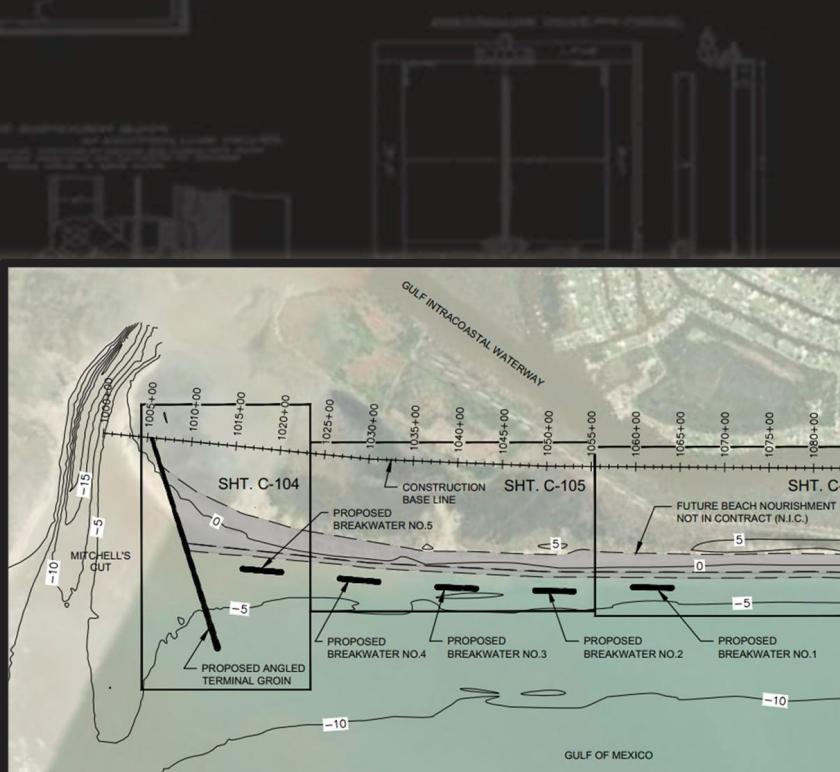


LOCATIONS FOR BENEFICIAL USE OPTIONS 1 & 2





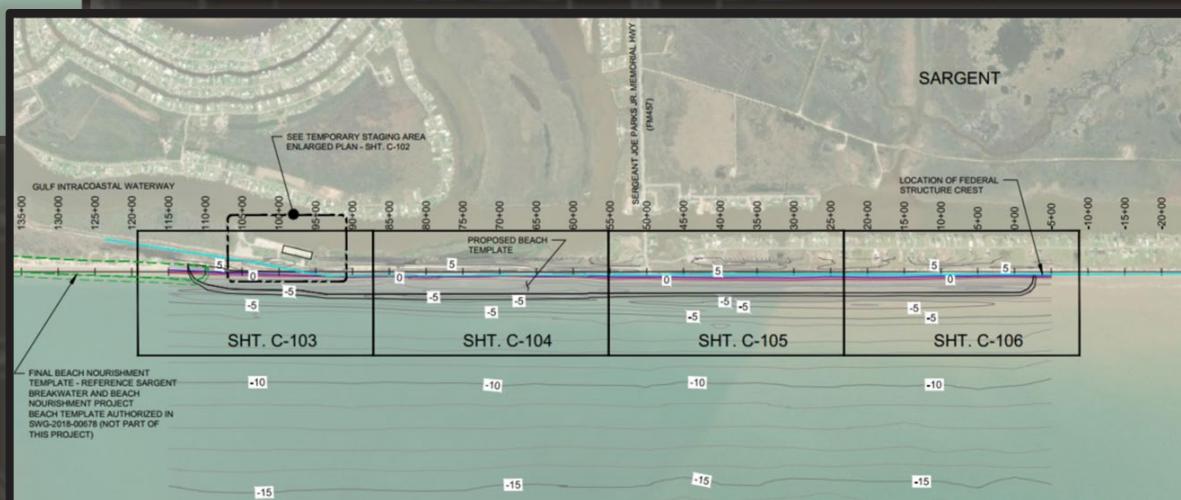
PROJECT STRUCTURAL ELEMENTS



- A Single, Angled Terminal Groat
- 5 Offshore Segmented Breakwaters
- Beach nourishment in vicinity of structures
- BUDM from Mouth of Colorado River
- Project is fully funded

Preliminary Summary of Structure Material Quantities					
Item	Description	Unit of Measure	Approx. Quantities	Unit of Measure	Approx. Quantities
07	Breakwaters	-	-	-	-
07a	Amor Stone- Breakwaters	CY	29,748	TON	66,264
07b	Bedding Stone-Breakwaters	CY	8,340	TON	18,578
07c	Woven Geotextile Fabric-Breakwaters	SY	23,035	-	-
08	Angled Terminal Groat	-	-	-	-
08a	Amor Stone-Angled Terminal Groat	CY	30,331	TON	67,563
08b	Bedding Stone-Angled Terminal Groat	CY	8,341	TON	18,580
08c		SY	23,055	-	-

- 1) The armor stone quantities include a 10% reduction to account for voids.
- 2) The equivalent tonnage (TON) of armor stone and bedding stone was determined using a stone unit weight of 165 pcf per section 35 31 19 STONE.
- 3) Design updates will include geo-composite, marine mattress, and quantity updates.



FOR CONTRACT INFORMATION AND MILESTONES CHECK USACE GALVESTON DISTRICT OPERATIONS



Contract Milestone Schedule

Issue Solicitation	4/15/2025
Bid Opening	5/15/2025
Award	6/10/2025
Start	7/01/2025

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