

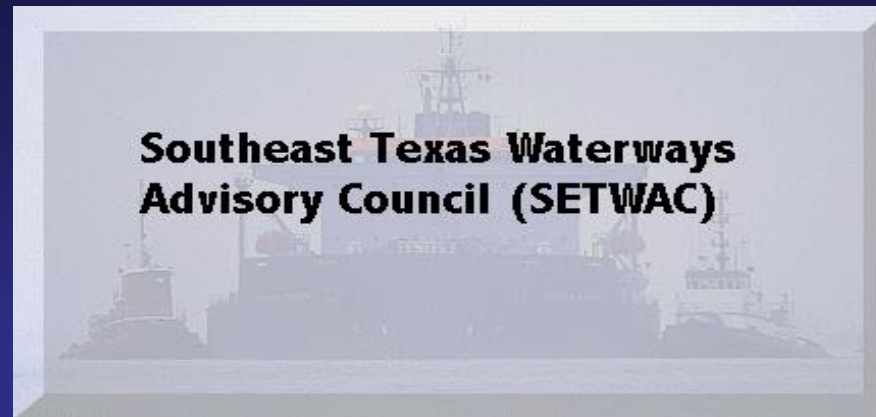


Full Committee Meeting
28 July, 2022



SETWAC





Southeast Texas Waterways Advisory Council

July 28, 2022
Proposed Membership

Edu, Research, & Workforce Development Sub-Committee

Keith Jones (P)	No Term	To commence October 27, 2022
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Navigation Subcommittee Report

Captain Andrew Guidry, Sabine Pilots



Ship / Tow Collisions & Near Miss Incidents 2010 - 2022





For a Link to the presentations email: Gburkley@maritimepilotsinstitute.org



Houston Area Brownwater- Bluewater Coordination Course

2-Day Interactive Training Seminar

Guest Wireless: PilotNW

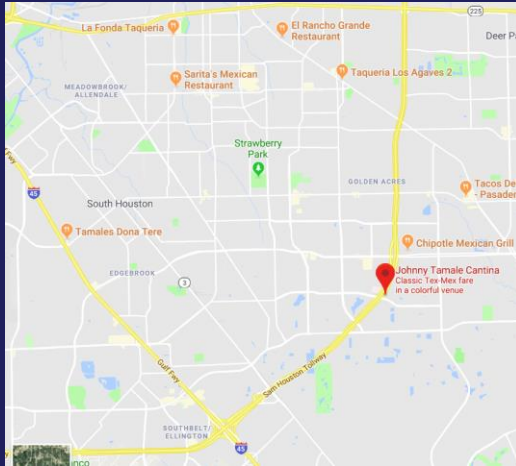
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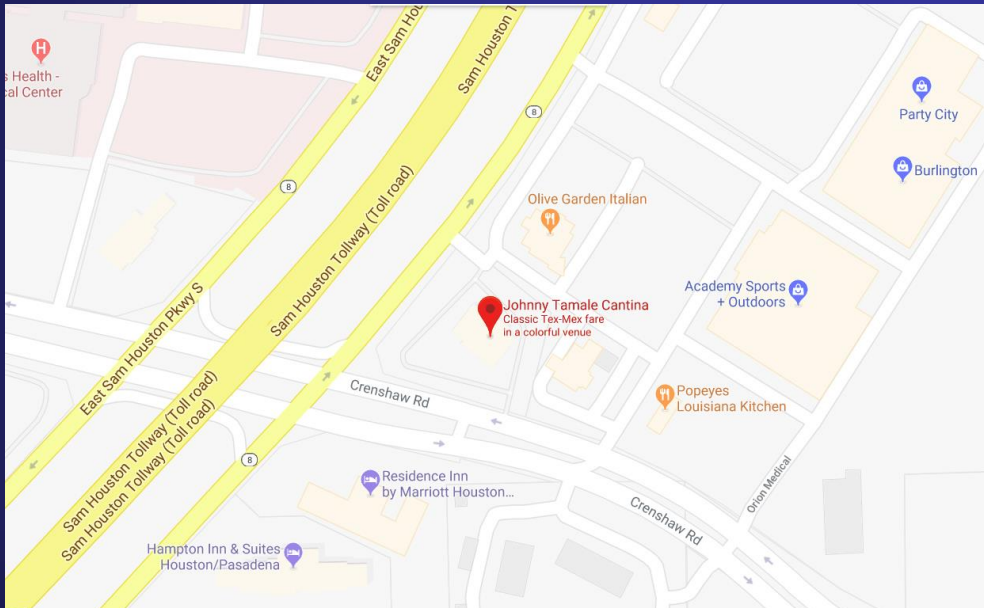
Date	Oct 6 – 7, 2022
Hours	Day 1, 0830 – 1600hrs Day 2, 0830 – 1430hrs
Location	Houston Pilots Office 203 Deerwood Glen Dr. Deer Park, TX 77536
Contact	Please RSVP to Ms. Susie Ward, Houston Pilots susie@houston-pilots.com or 281-476-8222
Attendees	40-45 attendees expected
Class Goal	The goal of the program is to create a facilitated dialog between the professionals who work on the water in Houston, with the aim of improving communication, trust and general knowledge regarding the capabilities and limitations of the different vessels using the waterway.
Social event	1715hrs, Thursday evening, All participants welcome Johnny Tamale Restaurant 4647 E Sam Houston Pkwy S. Pasadena, TX 77505 <i>Near Beltway 8 and Crenshaw</i>

Thursday Night Social event



1715hrs, Thursday evening, All participants welcome
Johnny Tamale Restaurant
4647 E Sam Houston Pkwy S.
Pasadena, TX 77505
Near Beltway 8 and Crenshaw

1715 hrs



Credits



Presented in coordination with:

- Port of Houston Authority
- Houston USCG-VTS
- The Houston Pilots
- G and H Towing
- Kirby Marine, Buffalo Marine, Higman Barge Lines and others

Introductions: Capt. David Foret



- **Captain David A. Foret, Jr.** President of the ACTion Group Companies
- David has over 35 years' experience in the towing vessel industry including 12 years onboard and more than 13 years spent in shoreside management before forming his own compliance firm in 1999.
- He holds a Merchant Mariner Credential endorsed as Master of Towing Vessels and Tankerman-PIC (Barge) Dangerous Liquids and Liquefied Gas cargoes, TVIB-Certified AWO RCP Auditor certification, Certified ISO 9000 Lead Auditor and Crew Endurance Management Systems (CEMS) Expert.
- He has served on the Pilot Board Investigation Review Committee (PBIRC) representing the interests of the brownwater towing vessel community for the past 15 years.
- Currently serving on the Board of Directors for TVIB. Chairman of the Lone Star Harbor Safety Committee's Navigation Operations Subcommittee.

Introductions: George Burkley

Gburkley@maritimepilotsinstitute.org



- Work Background
 - US Naval Officer
 - Merchant Ship's Officer
 - Director, Maritime Pilots Institute
 - Marine specialties, electronics, shiphandling, tugs, piloting
- Education
 - California Maritime Academy, 1989, BS Marine Transportation
 - Johns Hopkins University, 1998, MS Environmental Science



Executive Director, Maritime Pilots Institute

401 N. New Hampshire St., Covington, LA 70433

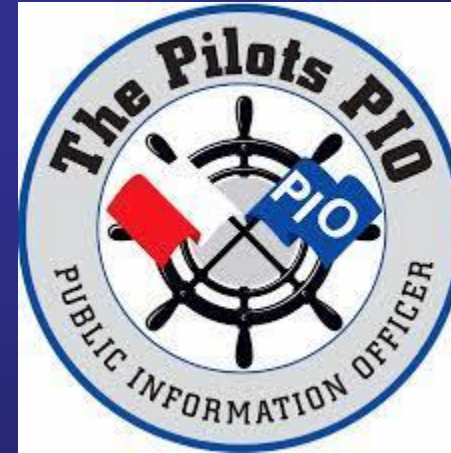
(985) 867 – 9789 www.maritimepilotsinstitute.org



Mr. Henry de La Garza



- The Pilots PIO
- Communications expertise
- Maritime incident management communications
- NTSB
- Avid golfer, enjoys skeet



M. Tyler Gavis



Houston Pilot Board, Executive Director

O: 713-324-4164

M: 832-748-1570

F: 281-884-8769

E: tgavis@houstonpilotboard.com

203 Ivy Avenue

Suite 501

Deer Park, TX 77536

<http://www.houstonpilotboard.com>

Schedule

General Timeframe	Day 1	Day2
0830-0930	Welcome: Survey Class-Opener	Review of Day One VTS Houston Discussion
0930-1000	Presentation: PBIRC	Seamans Church – ESO Radar Method
1000-1100	Presentation: PBIRC	USCG VTS Houston
1100-1200	Moderated Discussion regarding Cases	Case Study
1200-1300	Lunch Break	Lunch Break
1300-1400	Moderated Discussion regarding Cases	Moderated Discussion regarding Cases
1400-1500	Moderated Discussion regarding Cases	Cases and pilot technology update
1500-1530	Moderated Discussion regarding Cases	Group Discussion: Review of Best Practices

Ground Rules



- We want the unvarnished truth
- Accept others, accept their opinion
- Appreciate each other, recognized we are all professionals
- We are all essential
- Agree and disagree with ideas, not with people
- No profanity or rudeness:
 - Remember your point is more meaningful if its delivered clean and professional



Education, Research and Workforce Development Subcommittee Report

Mr. Erik Stromberg, Lamar University



SETWAC FULL COUNCIL MEETING

EDUCATION, RESEARCH AND WORKFORCE DEVELOPMENT COMMITTEE
JANUARY 28, 2022

Outgoing Chair Erik Stromberg (rolferikstromberg@gmail.com)

Incoming Chair (proposed): Dr. Keith Jones

Alternate: Sade' Chick



BRIEF HISTORY

PROSPECTIVE WEBINARS AND WORKSHOPS

- **CYBERSECURITY**
- **RAIL-BASED, PORT-CENTRIC OPPORTUNITIES**

POTENTIAL PROFESSIONAL CERTIFICATIONS

- **LNG MOBILE SITE OPERATIONS**
- **CYBER SECURITY**

RESEARCH AGENDA

- **DEFINE OPPORTUNITIES AND NEEDS—SETWAC ROLE**

STROMBERG MESSAGE TO SETWAC

GREETINGS FROM DR JOHNS



CENTER FOR
ADVANCES IN PORT MANAGEMENT
LAMAR UNIVERSITY

SETWAC FULL COUNCIL MEETING—JULY 28, 2022

EDUCATION, RESEARCH AND WORKFORCE
DEVELOPMENT COMMITTEE

Erik Stromberg
Sade Chick

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™

Seafarer Welfare Committee

Southeast Texas Waterway Advisory Committee

July 28, 2022

- 6/21: Receive email from Houston ITF Inspector
- Seafarer Center reaches out to pilots and MSU-Port Arthur
- 6/23: MSU-PA meets with Liberian Flag Rep and ABS re: deficiencies
- Flag-state Detention
- Shift Beaumont for repairs
- Presently at Port Arthur anchorage



Seafarer Welfare: Concerted Action on the *M/T Priority*

- Message of Secretary General:
https://youtu.be/CtULon5xZ_U
- IMO Day of Seafarer web page:
<https://www.imo.org/en/About/Events/Pages/Day-of-the-Seafarer-2022.aspx>



IMO Day of the Seafarer

June 25, 2022

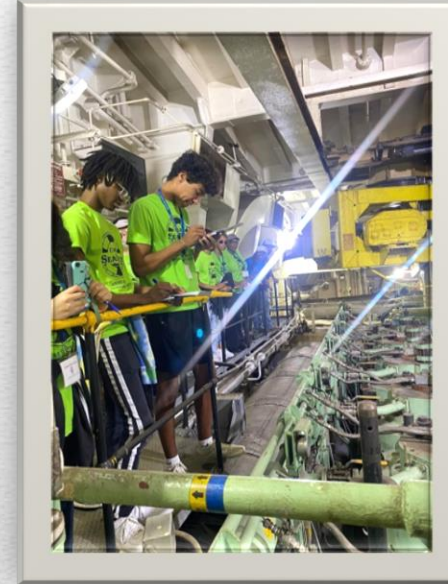
- Every year churches around the world celebrate Sea Sunday. It is a day for people to come together to pray for seafarers and fishers, and thank them for the vital role they play in all of our lives.



Sea Sunday 2022: July 9th



SCIENCE • TECHNOLOGY
ENGINEERING • ARTS • MATH



2022 Camp Seaport

July 11-15, 2022

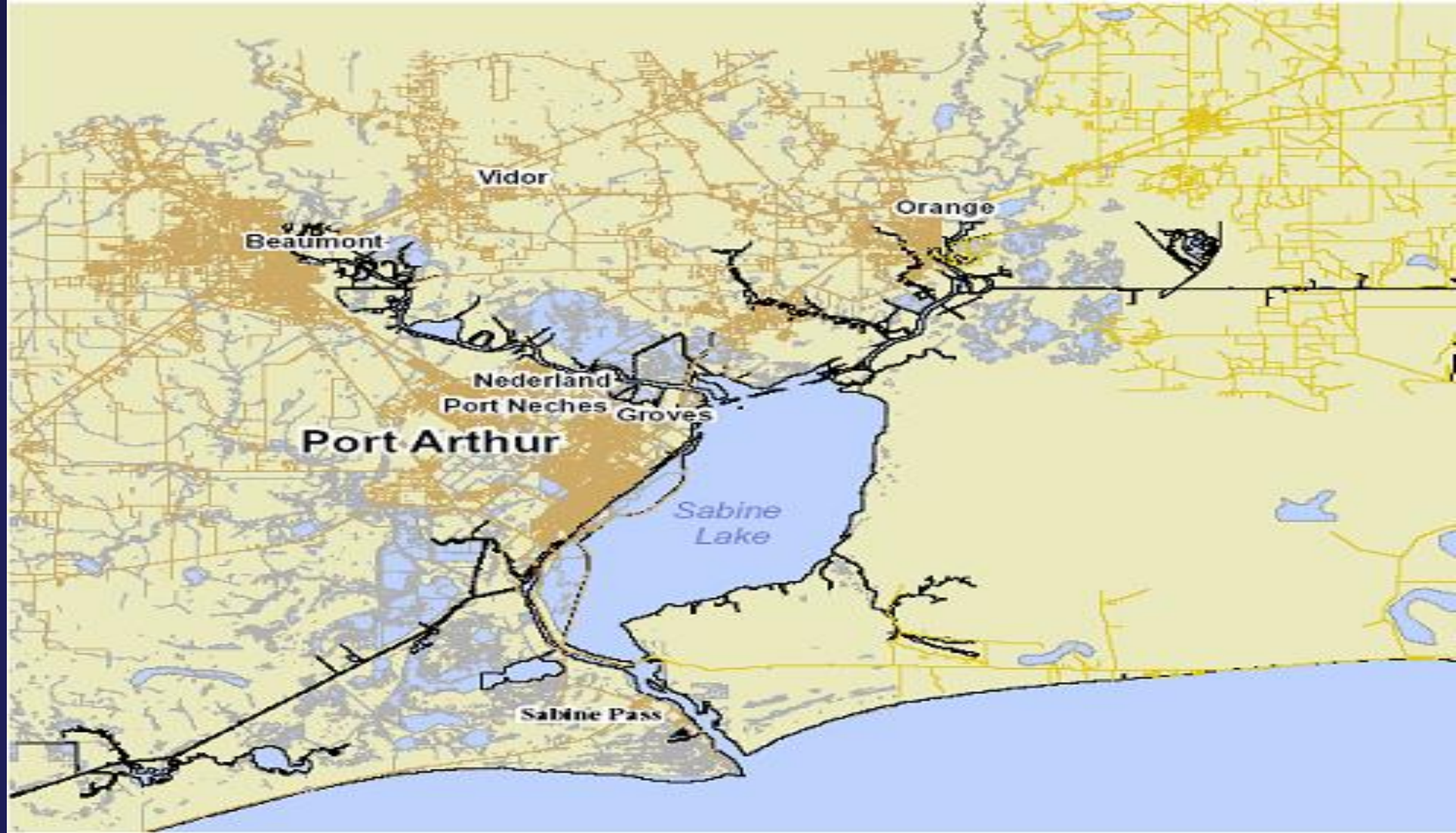


Questions?

Thank You

COMMERCIAL FISHERMEN

Southeast Texas Waterway Advisory Committee



Waterway Maintenance and Improvement Subcommittee Report

Larry Fountain, Sabine-Neches Navigation District



Update on Deepening



Pipeline Update

Sabine-Neches Waterway

Operations and Maintenance Update

Timothy J. White, PE, PMP
Resident Engineer

Scott Sherman
Operations Manager

USACE – Galveston District

SETWAC Meeting
July 28, 2022



US Army Corps of Engineers
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Ongoing Contracts

Sabine-Neches Waterway



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SABINE-NECHES WATERWAY PLACEMENT AREA NO. 8 IMPROVEMENTS



Project:	Sabine-Neches Waterway Placement Area No. 8 Improvements
Type of Work:	Levee Improvements
Placement Area:	PA 8
Type of Equipment:	Excavators; Dozers; Marsh Buggy
Award	April 2021
Req. Completion	Jan 2022
Est. Completion	Sep 2022

Contractor: Oakhill Constructors



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SABINE-NECHES WATERWAY PA 11 Improvements



Project:	PA 11 Improvements
Type of Work:	Earth Work
Placement Area:	PA 11
Type of Equipment:	Excavators; Dozers; Marsh Buggy
Advertise	July 2021
Bid Opening	August 2021
Award	September 2021
Req Completion	August 2022
Est Completion	March 2022 - Completed

Contractor: Affolter Contracting

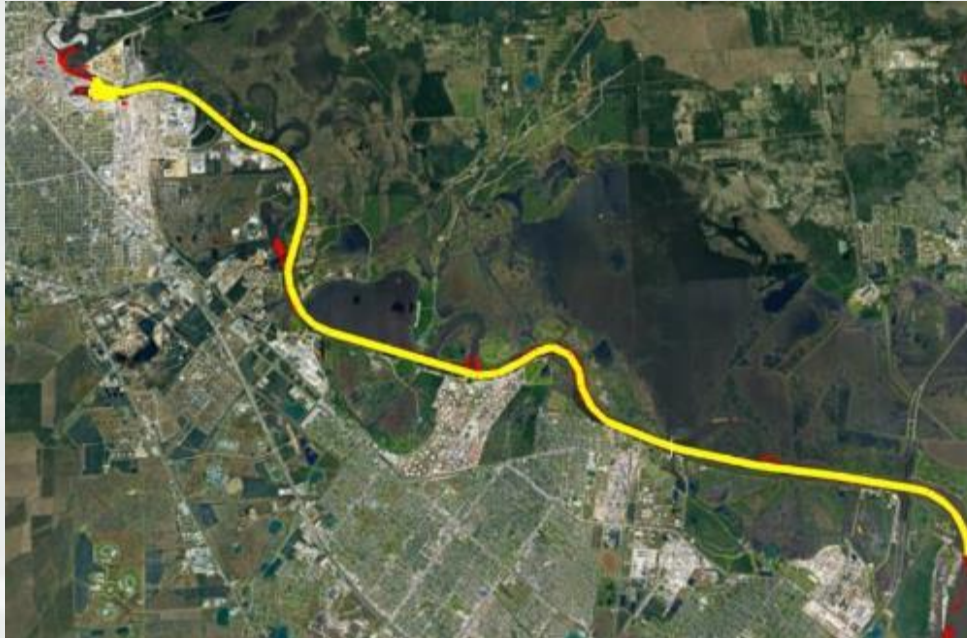


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SABINE-NECHES WATERWAY

Areas along the NECHES RIVER



Taylor's Bayou Option completed.

USACE to award Option 6 –
Junction. Estimated to be awarded in
the next several weeks.

Project:	Sabine-Neches Waterway SNWW Maintenance Dredging
Dredging Depth:	40ft. Authorized Depth
Dredging Quantity:	Est. 4 MCYs
Material Type:	MAINTENANCE
Dredge Type	Pipeline Dredge
Advertisement	July 2021
Bid Opening	August 2021
Award:	September 2021
Est. Completion	November 2022*

*Completion Time to be extended as
Options get awarded

Contractor: Orion Marine





SABINE-NECHES WATERWAY OUTER BAR & BANK



USACE utilized GLDD hopper dredge (Terrapin Island) for spot shoaling to -44.0' MLLW. Completed sections below:

Outer Bar: Stationing 2+000 to 20+500
Outer Bank: Small parts of stationing 30+000 to 60+000

Project:	Sabine-Neches Waterway Outer Bar & Bank
Dredging Depth:	42ft. Authorized Depth
Dredging Quantity:	Est. 6 MCYs
Material Type:	MAINTENANCE
Dredge Type	Hopper Dredge
Advertisement	Moved to Future FY
Bid Opening	Moved to Future FY
Award:	Moved to Future FY
Est. Completion	Moved to Future FY





SABINE-NECHES WATERWAY ENTRANCE CHANNEL TO SABINE PASS DEEPENING



Dredge Columbia mobilized in mid-June. The Columbia is currently dredging in Section 23. The Columbia will move to Section 22 after completion of Section 23.

Dredge Stuyvesant is expected to arrive in August.

Project:	Sabine-Neches Waterway Outer Bar & Bank to Sabine Pass
Dredging Depth:	44 feet + Adv Maint
Dredging Quantity:	Est. 9 MCYs Federal Contract
Material Type:	NEW WORK
Placement Areas:	ODMDS 1 – 4 and A-D
Type of Equipment:	Hopper
Award:	Federal: September 2021 SNND: to follow
Req Completion	June 2023

 Federal Awarded Contract

Contractor: Dutra



FY 2023

Future Dredging Contracts

Sabine-Neches Waterway

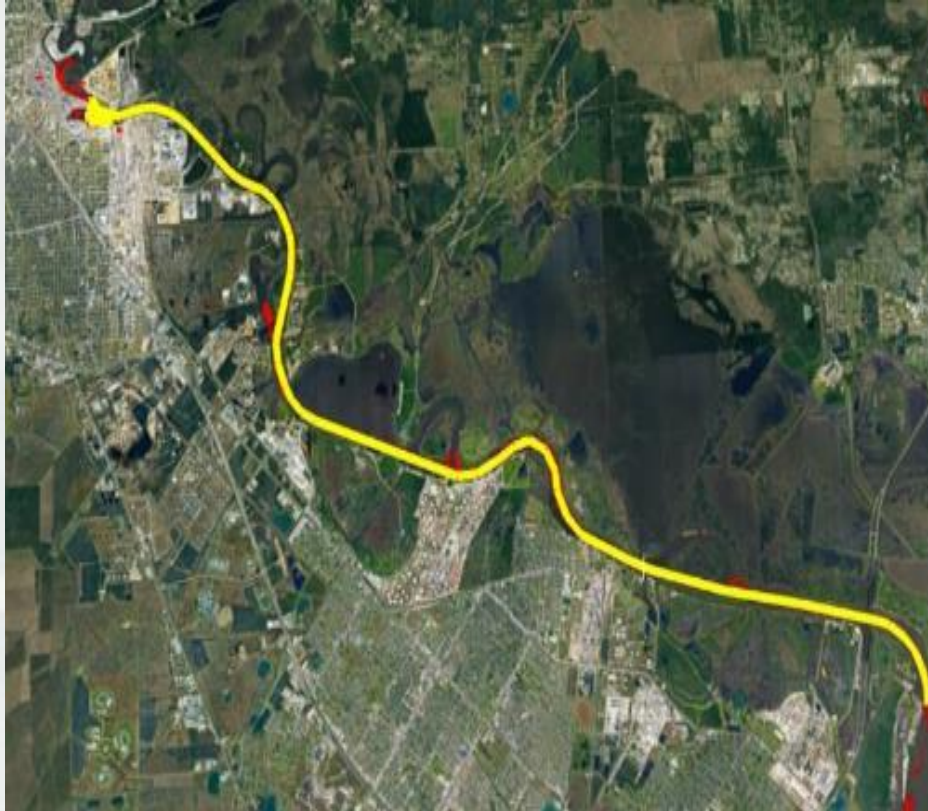


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SABINE-NECHES WATERWAY

Areas along the NECHES RIVER



Project:	Sabine-Neches Waterway SNWW FY 23 Maintenance Dredging
Dredging Depth:	40ft. Authorized Depth
Dredging Quantity:	Est. 4 MCYs
Material Type:	MAINTENANCE
Dredge Type	Pipeline Dredge
Advertisement	TBD
Bid Opening	TBD
Award:	TBD
Est. Completion	TBD

Contractor: TBD



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**SABINE
TO GALVESTON
PORT ARTHUR
&
ORANGE**



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Orange County Coastal Storm Risk Management Project



US Army Corps
of Engineers

A new levee/floodwall system:

The Orange County Coastal Storm Risk Management (CSRM) Project includes construction of a new levee/floodwall system to reduce storm surge damage caused by hurricane and tropical storm events that affect the southern half of Orange County along the Sabine River and Bessie Heights Marsh. The proposed project alignment follows the edge of the Sabine and Neches River floodplain from the City of Orange and ends West of Bessie Heights, measuring approximately 26.3 miles. This includes construction of 15.6 miles of levees, 10.7 miles of floodwalls, 7 pump stations, 56 internal drainage structures, 32 closure gates located at road and railway crossings, 2 navigable sector gates and 6 environmental mitigation areas.

Objectives:

The new CSRM Project is intended to reduce risk to human life and reduce economic damages to business, residents, and infrastructure from storm surge while ensuring no **additional** induced interior flooding.



Orange County
Coastal Storm Risk Management Project

Project Schedule:



Contract #	Scope	Contract #	Scope
OC01	Cow Bayou Complex – 84 ft Navigable Gate, Pump Station	OC04	7 Pump stations, tie ins, gates, drainage structures
OC02	2.4 miles floodwall, 3.0 miles levee, 18 gates, drainage structures	OC05	2.6 miles floodwall, 7.6 miles levee, 7 gates, drainage structures
OC02A	4.2 miles floodwall, 4.9 miles levee, 5 gates, drainage structures	OC06	6 Mitigation sites to compensate for impacts to forested wetlands and estuarine marsh
OC03	Adams Bayou Complex – 84 ft Navigable Gate, Pump Station		





Port Arthur and Vicinity Coastal Storm Risk Management Project



US Army Corps
of Engineers.

Reinforcement of an existing levee/floodwall system:

The Port Arthur and Vicinity Coastal Storm Risk Management (CSRM) Project in Jefferson County will result in improvements and additions to the existing Hurricane Flood Protection Project (HFPP). The plan includes raising approximately 5.5 miles of the existing 27.8 miles of earthen levee and constructing or reconstructing approximately 5.7 miles of floodwall. A separate 1,830 feet of new earthen levee will be constructed in the Port Neches area northwest of the existing northern terminus. Additionally, 26 vehicle closure structures will be replaced and erosion protections will be added.

Objectives:

The improved CSRM system is intended to increase the level of performance and resiliency of the existing Port Arthur and Vicinity HFPP.



Road closure gate



Port Arthur and Vicinity
Coastal Storm Risk Management Project



Project Schedule:

Q1 FY19

Design

PPA Signed
29 Nov 2019

Q2 FY20

Construction

Q1 FY27

Contract #	Scope	Contract #	Scope
PAV01	1.1 miles levee raise	PAV03A	3.3 miles levee raise, 1.9 miles floodwall replacement, 1 gate
PAV02	0.2 miles floodwall replacement	PAV03B	0.02 miles levee raise, 0.5 miles floodwall replacement, 7 gates
PAV03	0.1 miles levee raise, 1.0 miles floodwall replacement, 11 gates	PAV04	0.4 miles levee raise, 0.4 miles new levee, 2.0 miles floodwall replacement, 3 gates



Taylors Bayou



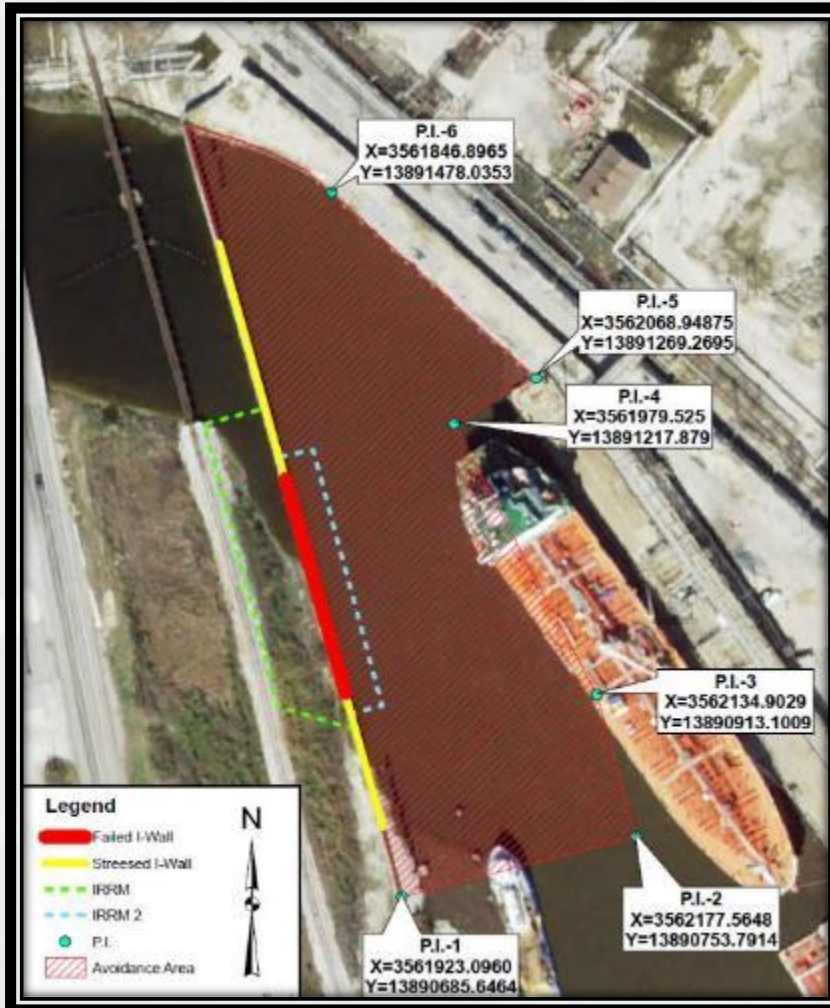
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TAYLORS BAYOU UPDATE



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Taylors Bayou Current Restrictions



Current Status:

- Vessel Traffic Allowed in Hatched Area shown in Figure WITH LIMITATIONS put on tugs.
- Wall and temporary protection is being monitored by DD7 and USACE.



Taylor's Bayou Proposed Channel Improvement Changes



Current



Proposed



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Taylor's Bayou Proposed Channel Improvement Changes



Current

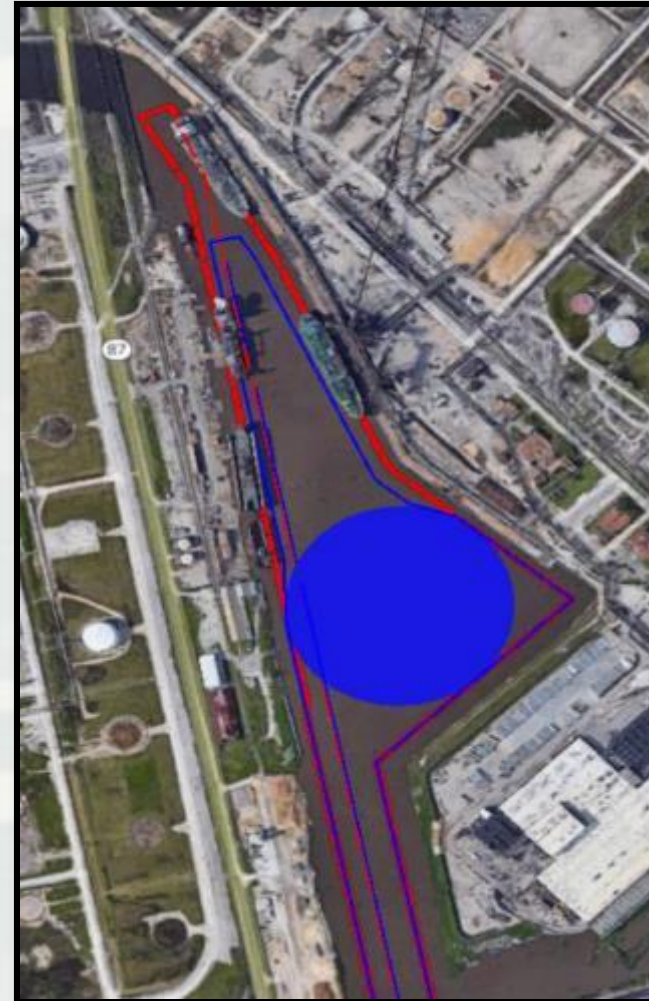


Proposed



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Taylor's Bayou Proposed Channel Improvement Changes



Overlay



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Questions?



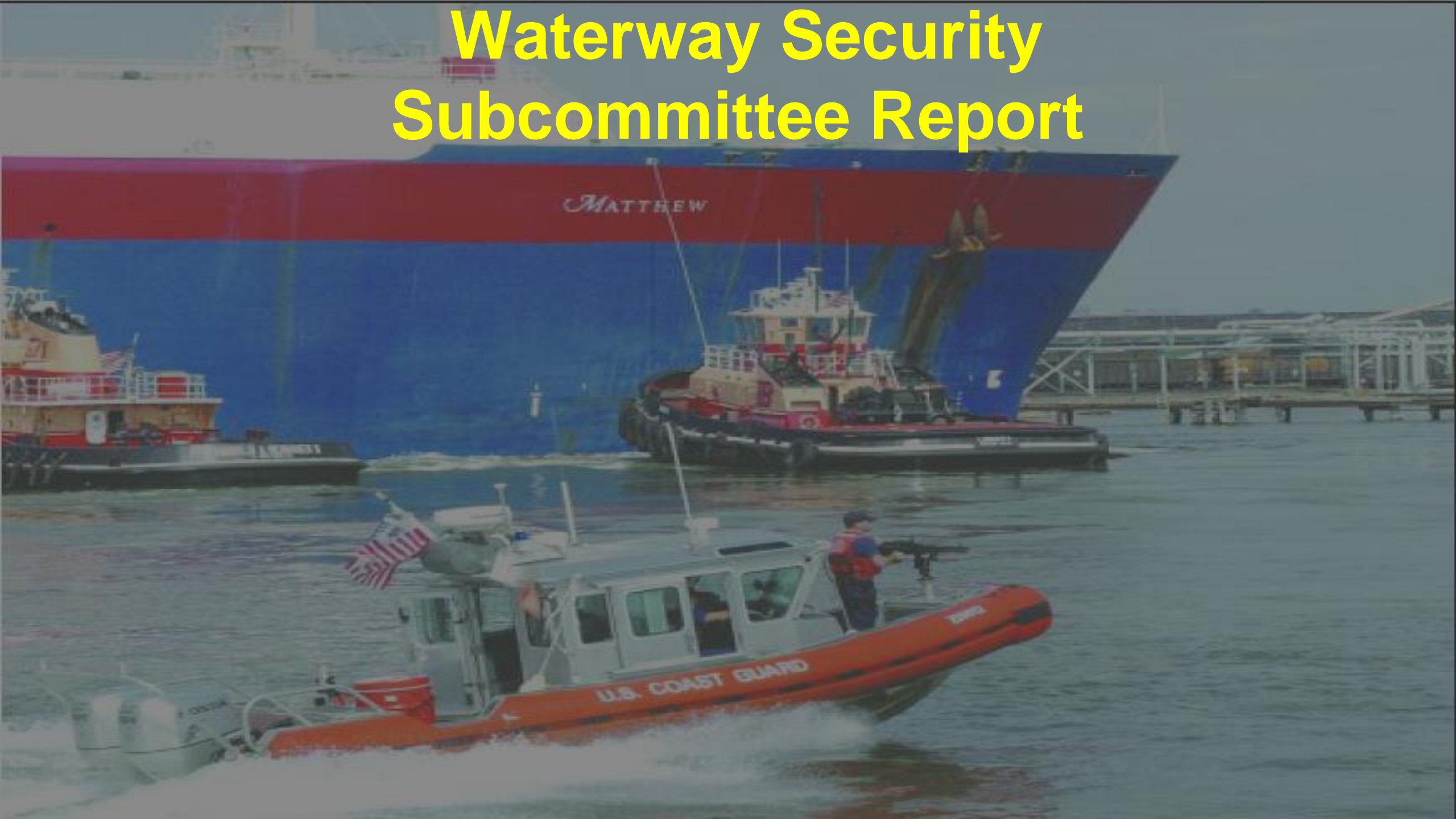
Scott Sherman
CESWG-ODN
409-937-5009
scott.d.sherman@usace.army.mil

Timothy J. White, P.E., PMP
CESWG-ECC-NP
409-985-2000 ext.1412
timothy.j.white@usace.army.mil



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Waterway Security Subcommittee Report





AMSC and Port Security Specialist Report

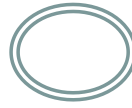
Mr. Michael Arnett
(409) 726-6525

USCGC ANT Sabine

ATON REPORT



QUESTIONS/COMMENTS ?



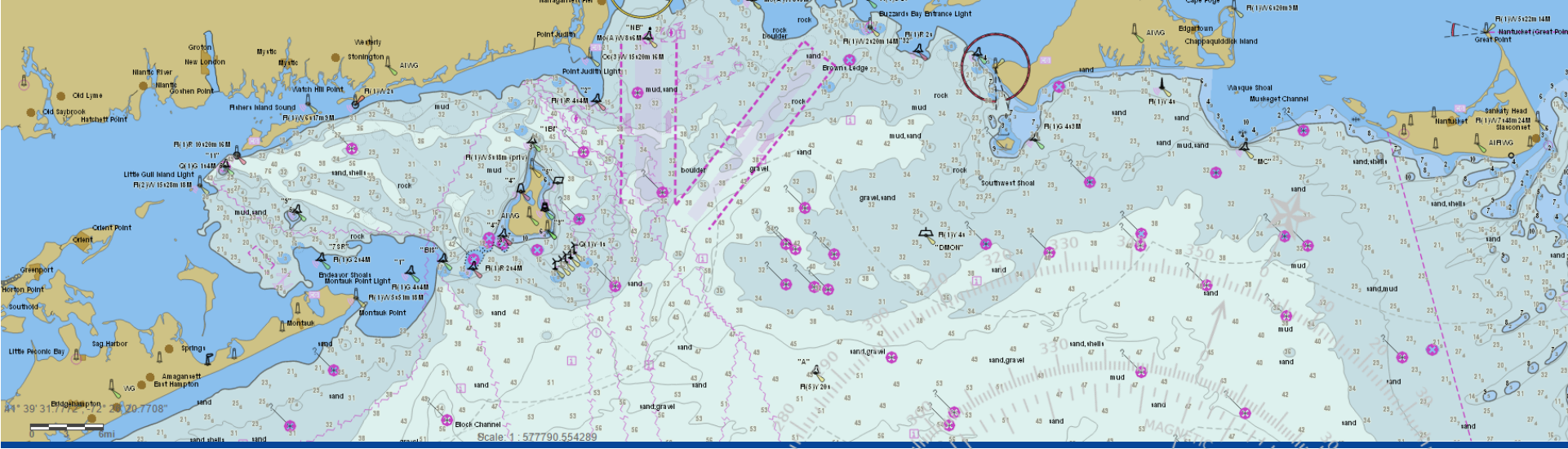


New Business



Proposal Tug Utilization Sub-Committee

Sean Marchant, Valero



SETWAC Meeting

Quentin Stubbs, PhD
Regional Navigation Manager
July 28, 2022



Update

- Survey requests submitted to NOAA HQ
 - proposed anchorages in the vicinity of the new sea buoy location
 - the north fairway anchorage
 - The area to the west of fairway between buoys 17 and 29
 - on the inside of the waterway the Stanolind
- Proposed NOAA survey project in Port Arthur ~ 2023-2024
 - AOIs
 - Main traffic corridors
 - Potential to extend offshore as well)
 - Estimate time span: estimate between 2-5 months

A nautical chart of Buzzards Bay, Massachusetts, showing various navigational features, depths, and landmarks. The title 'Key Questions' is overlaid on the top left of the chart.

Key Questions

- Where are your areas of concern?
 - observed shoaling
 - chart discrepancies
 - pier facilities requiring additional investigation
- What are the dredging and deepening schedules for 2023-2024?
- CATZOC Logistics
 - Does the survey data submitted by USACE and others meet the coverage, feature detection, and metadata requirements for CATZOC A1?
 - When can we meet to discuss existing survey equipment, methodologies, projection, coverage/etc.?

VTS/WATERWAYS CONTACTS



- Scott Whalen, Director VTS Port Arthur,
(409) 719-5086 scott.k.Whalen@uscg.mil
- Douglas Hendrix, Operation/Training Manager,
(409) 719-5083 douglas.g.hendrix2@uscg.mil
- Vessel Traffic Center, Watch Supervisor 24hrs
(409) 719-5070 msupportarthur-vtssup@uscg.mil
- VTS Webpage – <https://www.atlanticarea.uscg.mil/vtsportarthur/>
- Homeport Website – <http://homeport.uscg.mil>

Mark Your Calendars

Upcoming SETWAC Meetings



Working Group Meeting

Thursday, October 13, 2022

10:00 am

Sabine-Neches Navigation District Office

Full Committee Meeting

Thursday, October 27, 2022

10:00 am

MSU Port Arthur

