Full Committee Meeting

22 July, 2021

Navigation Subcommittee Report

Captain Charlie Tweedel, Sabine Pilots

Report on Alpha Range

Report on
WSA Martin Midstream

Education, Research and Workforce Development Subcommittee Report

Mr. Erik Stromberg, Lamar University

CENTER FOR
ADVANCES IN PORT MANAGEMENT
LAMAR UNIVERSITY

SETWAC EDUCATION, RESEARCH AND WORKFORCE DEVELOPMENT SUBCOMMITTEE

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™

Maritime Education

LAMAR STATE COLLEGE ORANGE

- Ordinary Seaman I
- Ordinary Seaman II
- Ordinary Seaman III
- Maritime Continuing Education (non-credit)
- Marine Engine Repaid Continuing Education (non-credit)

LAMAR UNIVERSITY

- Masters of Science in Port and Terminal Management
- MBA with Concentration in Port and Terminal Management
- Masters of Engineering with Concentration in Port and Terminal Management
- Scholarships available!

Lamar University **Dash Degree**

Offered as both a Bachelor of Science and a Bachelor of Arts.

Port and Supply Chain Management

1. Geography of Logistics
2. Supply Chain Management
3. Analysis of Logistic Systems
4. Port and Terminal Management

Continuing Education—Upcoming Webinars

- Cyber Security—NVIC Update: September (Date TBD)
- Upcoming:
  - Diversity and Inclusion: October (Date TBD)
  - SNNW Channel Improvement Project--Preparing for Increased Traffic and Economic Development (Proposed): November (Date TBD)
  - Facilitating Cargo Movement and Handling Through Digital Technologies: October (Date TBD)
  - A primer for developing economic impact assessments
  - Research showcase

2021 CAPM Sponsored Research Agenda

Increasing Resiliency and Safety of Waterways and Ports: A Novel Approach Based on Drone and Artificial Intelligence
Vulnerability Assessment and Resilience of Port Systems Under Extreme Weather Conditions
Establishing a Solution to the Problem of Managing Dredge Waste
Resilience Study for Port-related Refinery Supply Chain Management
Use Autonomous Driving to Improve Resiliency and Safety of Freight Transportation System in Port Industry in Severe Climate Change in Southeast Texas
Advanced Wetting Dynamics Study: Understanding the Fundamental Physics of Anti-fouling, Anti-Corrosion and Friction Reduction
Implementation of Manufacturing Execution System (MES) in Port & Terminal Facilities
A CALL FOR RFPs WILL BE ANNOUNCED SOON – Port-centric, rail-based, economic development – Opportunities in SE Texas


The average salary in the maritime industry is
$62,800
21% HIGHER THAN THE MEDIAN WAGE IN THE U.S.
TRAIL KING


For every $1 billion in exports shipped through U.S. Seaports,
15,000 JOBS ARE CREATED
It pays to invest in ports.

Comments and Questions

Port Welfare Sub-Committee Report

Southeast Texas Waterway Advisory Committee
July 22, 2021

- Crew Change
- Vaccination
- *Access to Facilities*

Fr. Sinclair Oubre

SETWAC Seafarers' Welfare Committee

Fr. Sinclair Oubre, J.C.L., AFNI

1500 Jefferson Drive

Port Arthur, Texas 77642

Phone: 409-749-0171

Email: Sinclair.Oubre@stellamarismail.org

Facebook: www.facebook.com/Stella-Maris-Diocese-of-Beaumont-107480633974106

Questions?

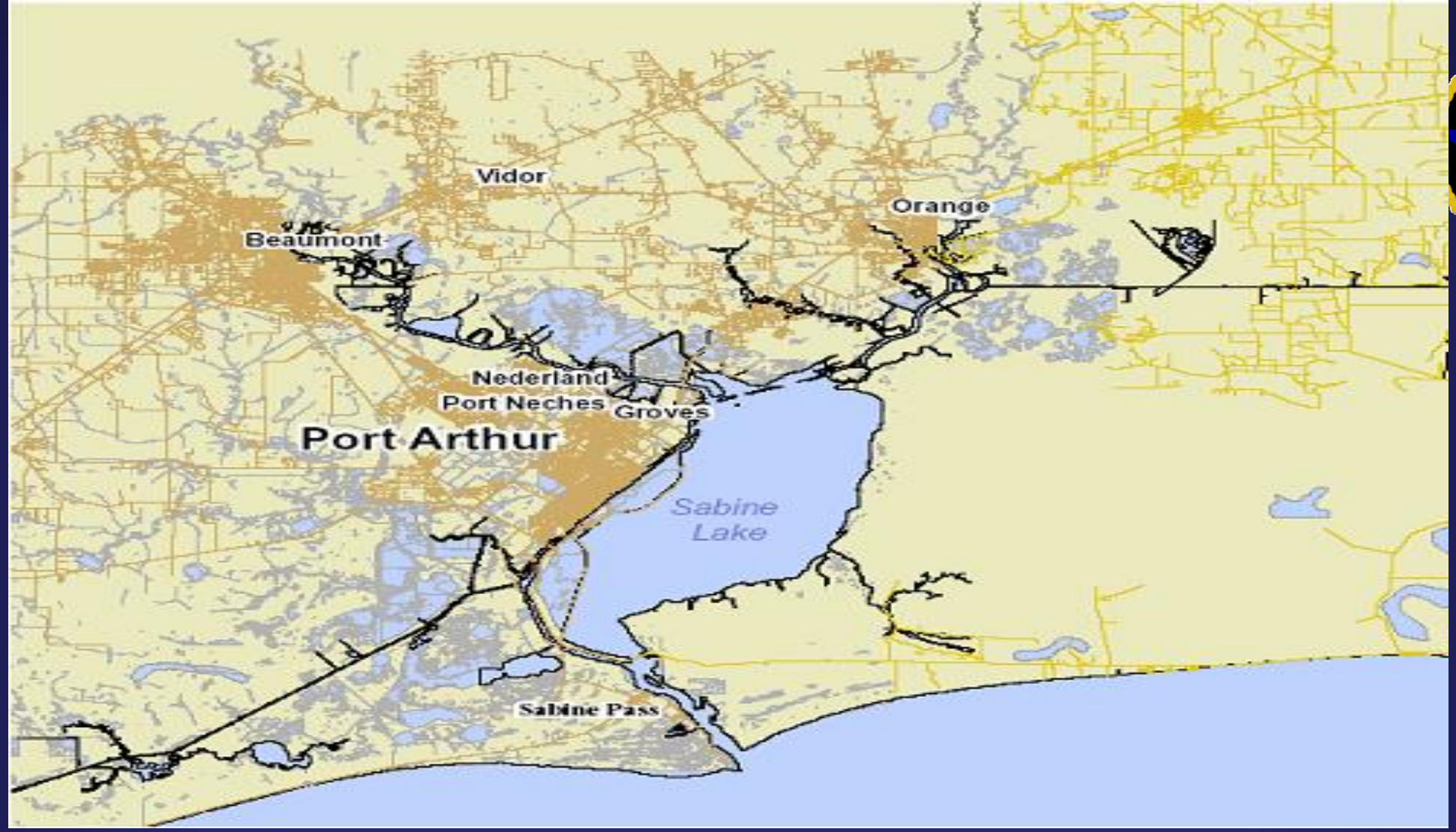
Thank You

Commercial Fisheries

Nikki Fitzgerald

Report on
Port Arthur
Shrimpers Association Meeting

NOAA
Fishery Development Team



South-East Texas Waterways Advisory Council

Waterway Maintenance and Improvement Subcommittee Report

Larry Fountain, **Sabine-Neches Navigation District**

Update on Deepening

Sabine-Neches Waterway

Operations and Maintenance Update

Timothy J. White, PE, PMP
Resident Engineer

Belynda Kinman
Operations Manager

USACE – Galveston District

SETWAC Meeting
July 22, 2021

US Army Corps of Engineers
BUILDING STRONG®

Ongoing Contracts

Sabine-Neches Waterway

SABINE-NECHES WATERWAY
PA 11 Training Dike Rehabilitation

Project:	**PA 11 Training Dike Rehabilitation**
Type of Work:	Earth Work
Placement Area:	PA 11 Training Dike
Type of Equipment:	Excavators; Dozers; Marsh Buggy
Award	October 2020
Est Completion	August 2021

Contractor: SES Civil & Environmental

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
Est Completion	Dec 2021

Contractor: Oakhill Constructors

FY 2021

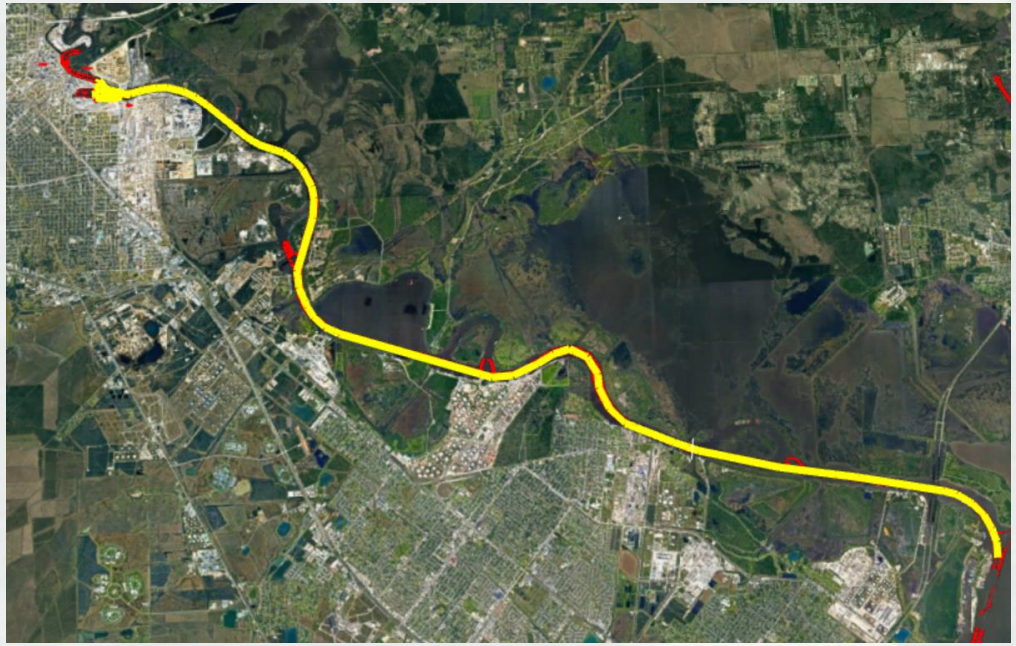
Future Dredging Contracts

Sabine-Neches Waterway

SABINE-NECHES WATERWAY
PA 11 Training Dike Rehabilitation

Project:	**PA 11 Rehabilitation**
Type of Work:	Earth Work
Placement Area:	PA 11 Training Dike
Type of Equipment:	Excavators; Dozers; Marsh Buggy
Advertise	July 2021
Bid Opening	August 2021
Award	September 2021
Est Completion	May 2022

SABINE-NECHES WATERWAY
Areas along the NECHES RIVER



Project:	**Sabine-Neches Waterway Placement Area No. 8 Improvements**
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

Port Arthur Junction and Taylors Bayou will also be included in the contract.

SABINE-NECHES WATERWAY ENTRANCE CHANNEL TO SABINE PASS DEEPENING

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

Federal Awarded Contract

SNND Awarded Contract

SABINE
TO GALVESTON

PORT ARTHUR
&
ORANGE

Orange County
Coastal Storm Risk Management Project

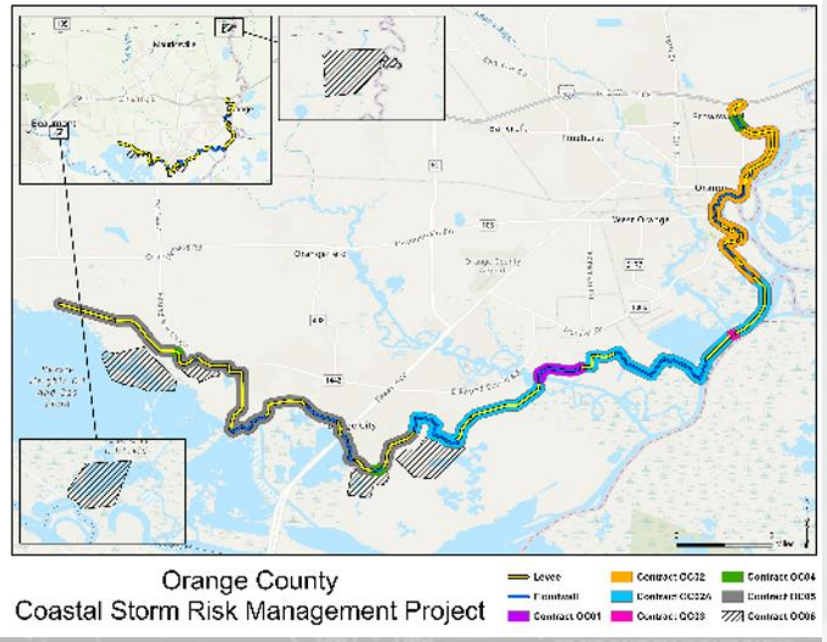
US Army Corps of Engineers.

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.



Project Schedule:

Q1 FY20 — Design — Design Agreement Signed 18 Sept 2020 — Q1 FY23 — Construction — Q2 FY29

Contract #	Scope	Contract #	
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.

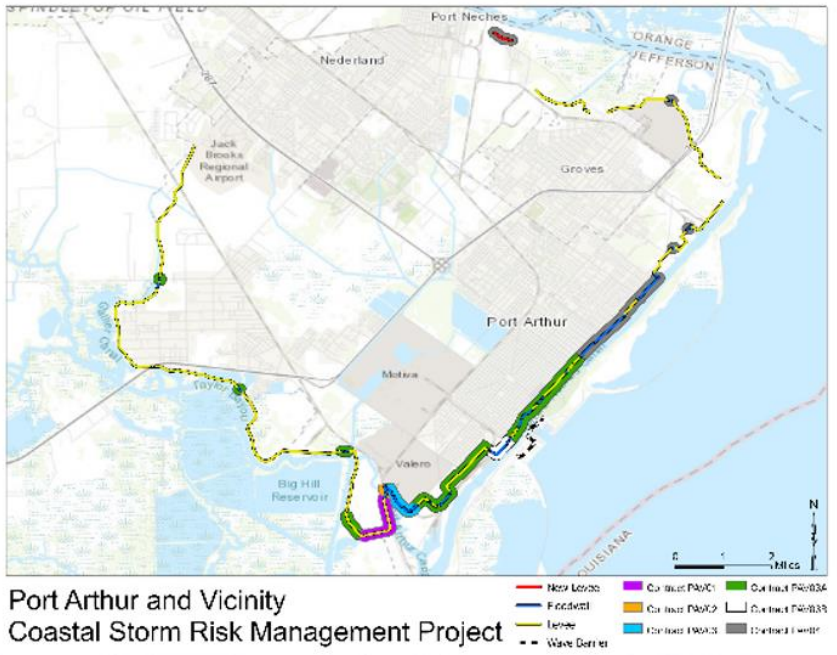
Reinforcement of an existing levee/floodwall system:

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



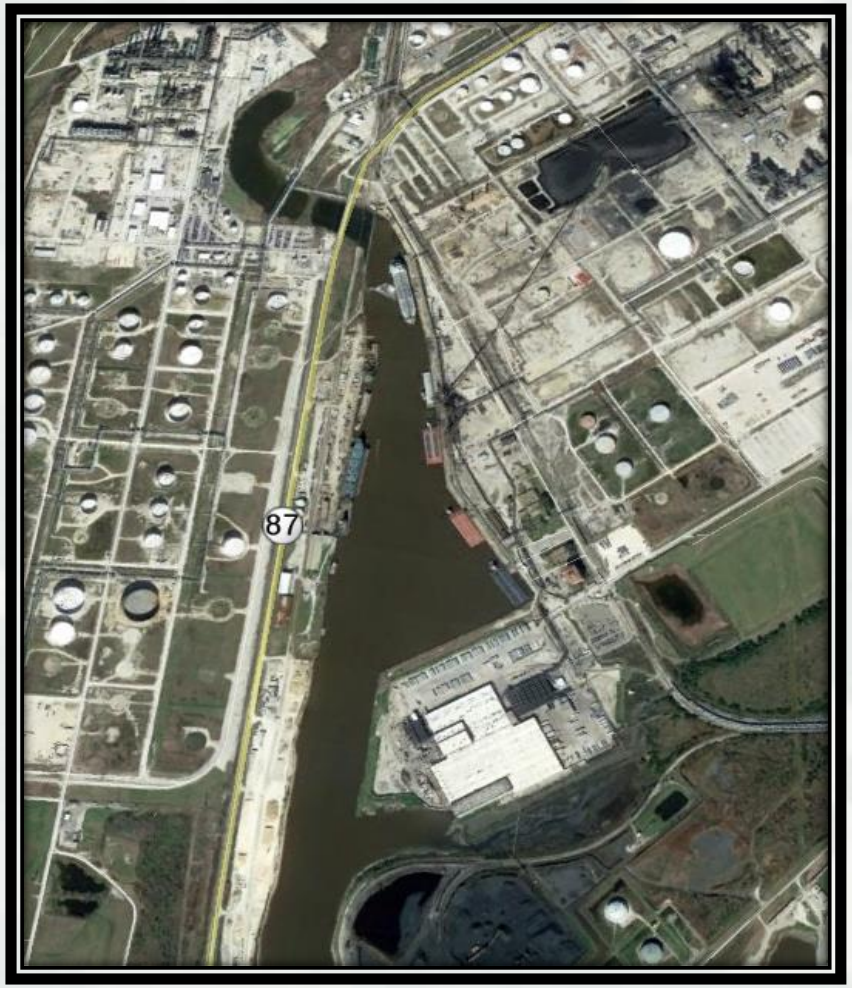
Port Arthur and Vicinity
Coastal Storm Risk Management Project

Project Schedule:

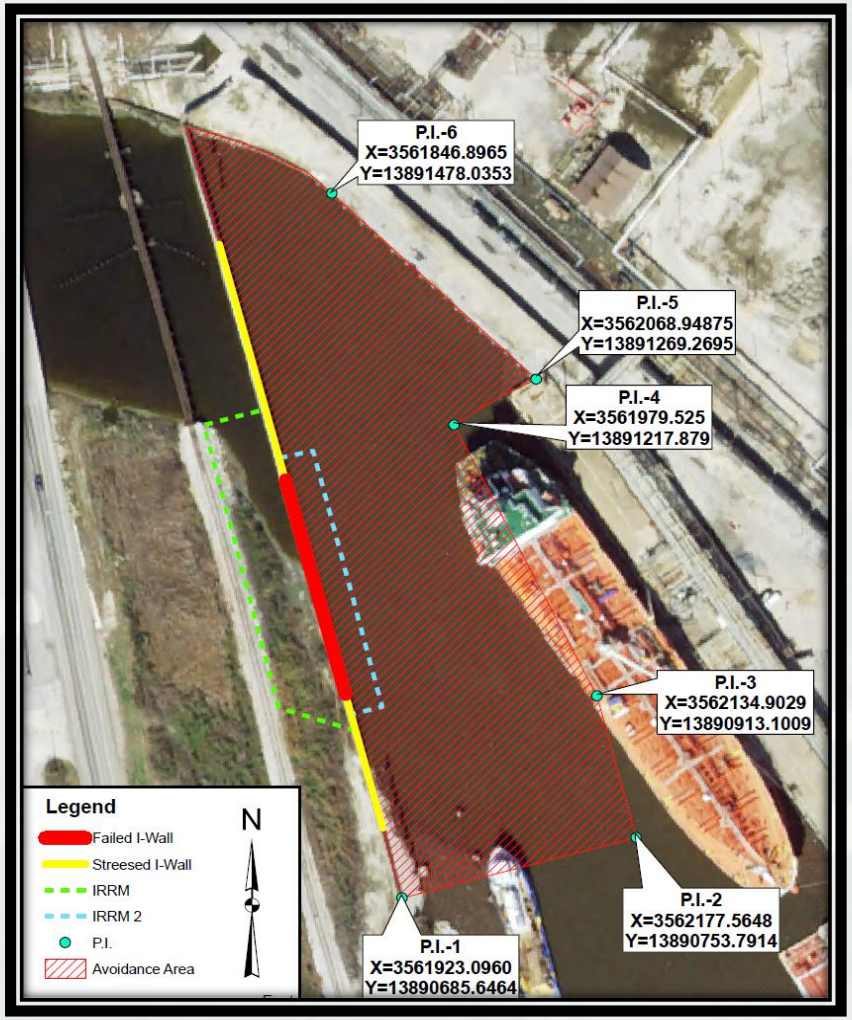
Q1 FY19 — Design — PPA Signed 29 Nov 2019 — Q2 FY20 — Construction — Q1 FY27

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 UPDATE



Taylors Bayou Current Restrictions



Current Status:

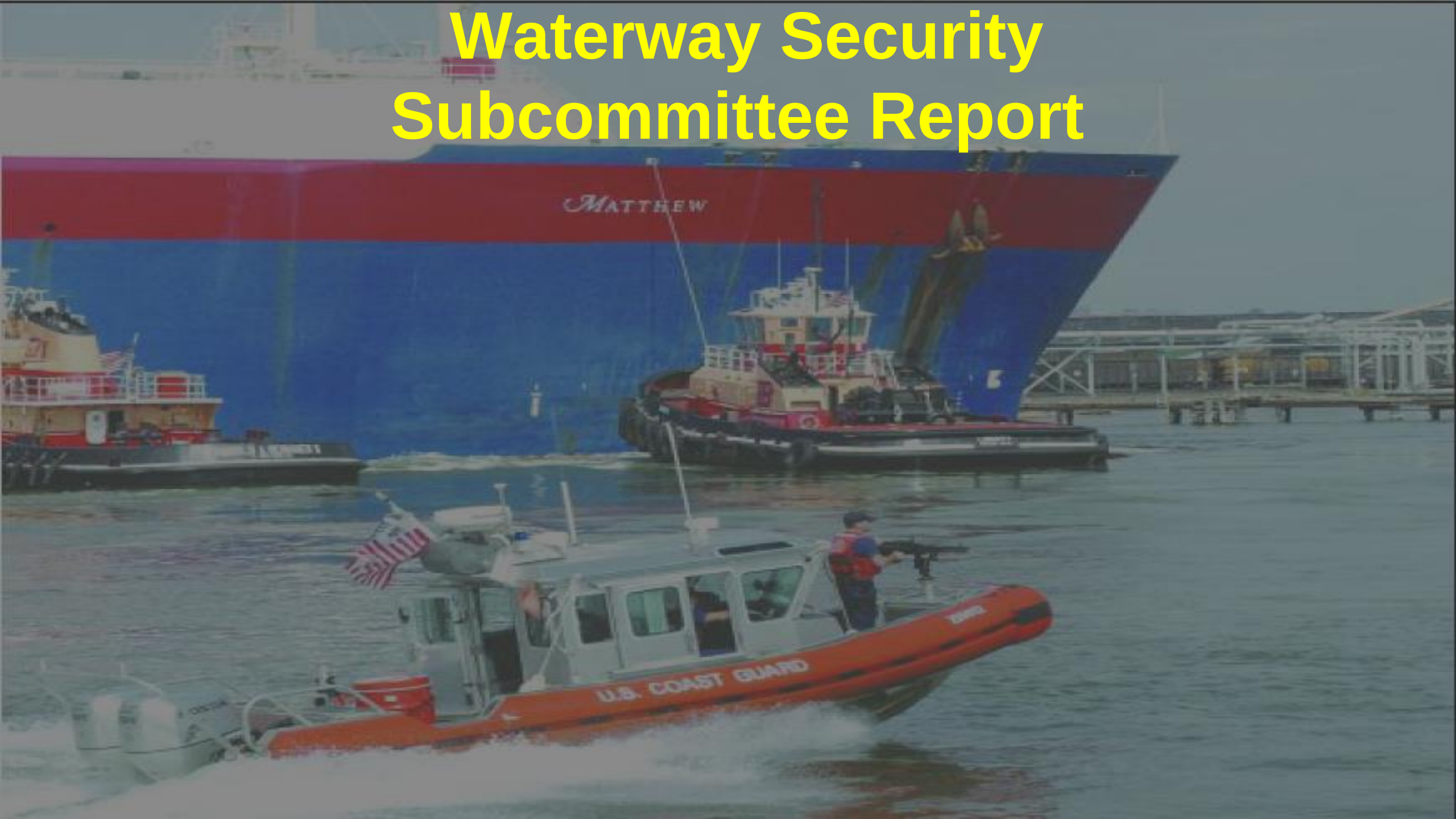
- Vessel Traffic Allowed in Hatched Area shown in Figure WITH LIMITATIONS put on tugs.
- Wall and temporary protection is being monitored by DD7 and USACE.

Questions?

Belynda Kinman
CESWG-ODN
409-766-6323
Belynda.M.Kinman@usace.army.mil

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

Waterway Security Subcommittee Report



AMSC
and
Port Security Specialist
Report

Jeremy.D.Hansen@uscg.mil

USCG ANT Sabine

ATON REPORT

Current ATON Discrepancies

AID
Sabine Pass Alpha RRL- Destroyed
Sabine Pass Light 38- Destroyed TRLB
Sabine Pass Light 39- Destroyed TRLB
Port Arthur Canal Light 40- Destroyed TRLB
Port Arthur Canal Light 48- Destroyed TRLB
Port Arthur Canal Light 49- Destroyed TRLB
Sabine-Neches Canal Light 50- Destroyed TRLB
Neches River U RRL- Destroyed
Neches River Light 40A- Destroyed TRLB

Current ATON Discrepancies

AID
Sabine River DBN 21- Destroyed TRUB
Sabine River Light 22- Destroyed TRLB

QUESTIONS/COMMENTS ?

New Business

Waterway Activities

- Pilot Commission Proposal

Mr. Scott Whalen, USCG

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 msuportarthur-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 8, 2021

10:00 am

Sabine-Neches Navigation District Office

Full Committee Meeting

Thursday, October 22, 2021

10:00 am

MSU Port Arthur