



Full Committee Meeting
25 January 2024

Navigation Subcommittee Report

Captain Wesley Moore, Sabine Pilots





Update on Helicopter Pilot Program

Waterway Suitability Assessments



- Currently four new and/or expanding projects
 1. Energy Transfer
 2. Cheniere
 3. Oneok
 4. Jefferson Terminal South

Energy Transfer (Expansion)



- **Location:** Energy Transfer Nederland Terminal
- **Product:** Refrigerated Liquid Ethylene, Propylene, Propane and Butane (LHG)
- **Estimated Number of Arrivals:** +12 vessels/month
- **Current Stage of Project:** SETWAC Nav Safety Subcommittee completed review and sent COTP recommendations. COTP soliciting comments from Local Government Officials before drafting Letter of Recommendation to ACOE/TCEQ.
- **Estimated Date for Operations:** 2025

Cheniere (Expansion)



- **Location**: Cheniere/Sabine Pass Terminal Cameron, LA
- **Product**: Liquefied Natural Gas (LNG)
- **Estimated Number of Arrivals**: +160 vessels/year
- **Current Stage of Project**: SETWAC Nav Safety Subcommittee completed review and sent COTP recommendations. COTP soliciting comments from Local Government Officials before drafting Letter of Recommendation to FERC.
- **Estimated Date for Operations**: Approx. 2nd Quarter of 2031

Oneok (New Project)



- **Location:** TXGC Terminal, Port Arthur
- **Product:** Propane, Butane, Ethane (LHG)
- **Estimated Number of Arrivals:** 14-20 vessels/month
- **Current Stage of Project:** SETWAC Nav Safety Subcommittee completed review and sent COTP recommendations. COTP soliciting comments from Local Government Officials before drafting Letter of Recommendation to ACOE/TCEQ.
- **Estimated Date for Operations:** 2027

Jefferson Terminal South (Expansion)



- **Location**: Jefferson Terminal South, Nederland
- **Product**: Ammonia, Propane, Butane (LHG)
- **Estimated Number of Arrivals**: +20 vessel/month
- **Current Stage of Project**: SETWAC Nav Safety Subcommittee completed review and sent COTP recommendations. COTP soliciting comments from Local Government Officials before drafting Letter of Recommendation to ACOE/TCEQ.
- **Estimated Date for Operations**: 2025



Tug Utilization Sub-Committee Report (Ad Hoc)

Captain Sean Marchant, Valero



Education, Research and Workforce Development Subcommittee Report

Mr. Rob Dubois, Lamar University



ISTC Hurricane Courses

Dr. Liv Haselbach



Workforce Development

Sade Chick, Port of Beaumont



Questions?

Thank You

Port Welfare Report

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

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COMMERCIAL FISHERIES

Southeast Texas Waterway Advisory Committee

Nikki Fitzgerald



CAMP SEAPORT
(EVERY MONDAY, BEGINS JAN. 29TH –
MARCH)

Southeast Texas Waterway Advisory Committee

Nikki Fitzgerald



**Waterway Maintenance and Improvement
Subcommittee Report**
Kyle Reed, Sabine-Neches Navigation District



Update on Deepening



Pipeline Update

Sabine-Neches Waterway

Operations and Maintenance Update

Timothy J. White, P.E., PMP
Resident Engineer

Sara C. Knoll, P.E.
Operations Manager

USACE – Galveston District

SETWAC Meeting
January 25, 2024



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US Army Corps of Engineers
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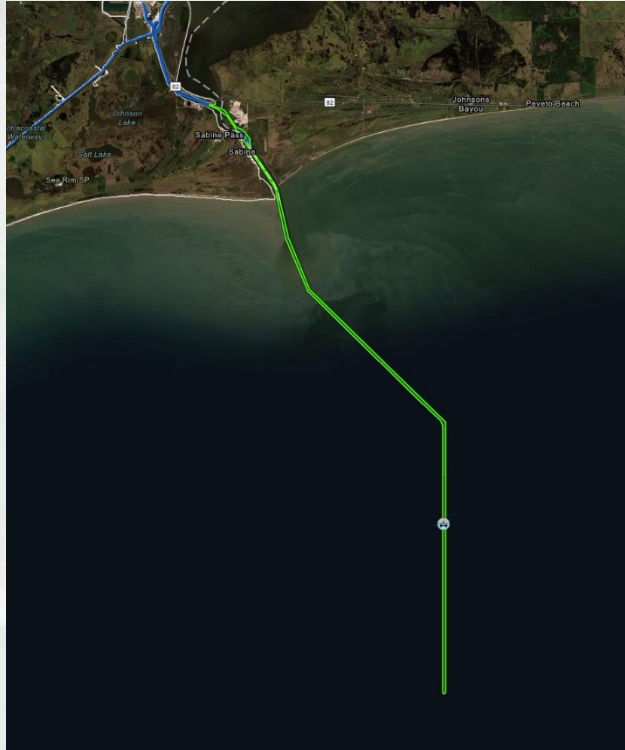
Ongoing Contracts

Sabine-Neches Waterway





SABINE-NECHES WATERWAY ENTRANCE CHANNEL TO SABINE PASS DEEPENING



Substantially complete and the dredges have departed. Remaining work being completed by a drag barge.

Project:	Sabine-Neches Waterway – CIP (Contract #2A – Half Depth – Extension Channel to Sabine Bank)
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:	September 2021
Req. Completion	November 2023

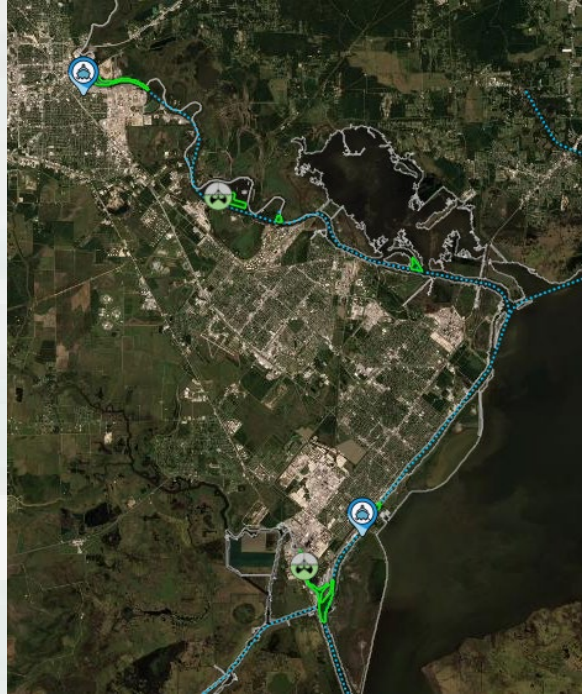
Contractor: Dutra



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SABINE-NECHES WATERWAY FY23 SNWW Maintenance Dredging



Dredge Emil Kurtz working in Taylor's Bayou.
Dredge Lavaca working in the MARAD basin.

Project:	Sabine-Neches Waterway FY23 SNWW Maintenance Dredging
Dredging Depth:	40ft + Advance Maint.
Dredging Quantity:	3 MCY
Material Type:	MAINTENANCE
Dredge Type	Pipeline Dredge
Award:	August 2023
Req. Completion	July 2024

Contractor: Orion



FY 2024

Future Dredging Contracts

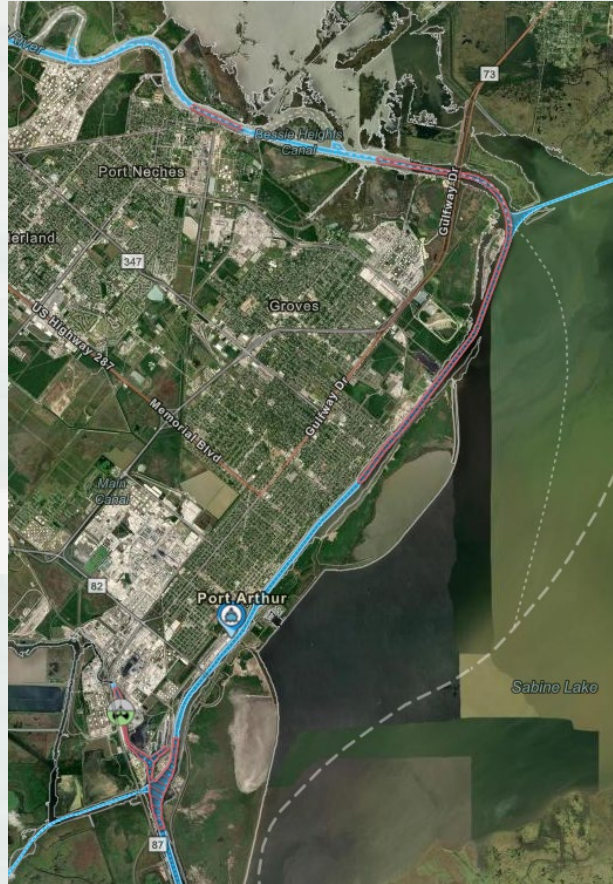
Sabine-Neches Waterway



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SABINE-NECHES WATERWAY FY24 SNWW Maintenance Dredging



Project:	Sabine-Neches Waterway FY24 SNWW Maintenance Dredging
Dredging Depth:	40ft. Authorized Depth
Dredging Quantity:	Est. 4.9 MCY
Material Type:	MAINTENANCE
Dredge Type	Pipeline Dredge
Advertisement	April 2024
Bid Opening	May 2024
Award:	July 2024
Est. Completion	February 2025

Contract includes Sabine-Neches Canal, Lower Neches River, and options for Junction, Taylor's Bayou, and Turning Basin at Smith Bluff.





SABINE-NECHES WATERWAY SABINE BANK TO SABINE PASS DEEPENING



Project:	Sabine-Neches Waterway Sabine Bank Channel to Sabine Pass Channel Half Depth (Contract #2B)
Dredging Depth:	46/44 feet + Adv Maint.
Material Type:	NEW WORK
Award:	December 2023

Awarded by SNND.

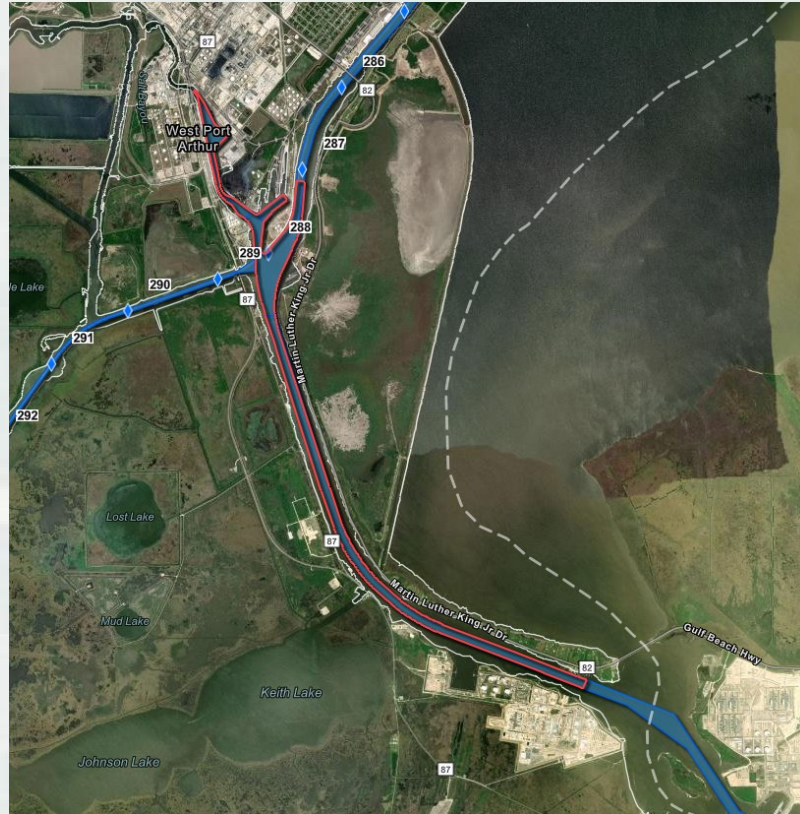
Contractor: Great Lakes
Dredge & Dock



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SABINE-NECHES WATERWAY PORT ARTHUR CANAL & TAYLOR'S BAYOU DEEPENING



Project:	Sabine-Neches Waterway Port Arthur Canal, Taylor's Bayou Half Depth (Contract #3)
Dredging Depth:	44 feet + Adv Maint.
Material Type:	NEW WORK
Award:	SNND: FY24

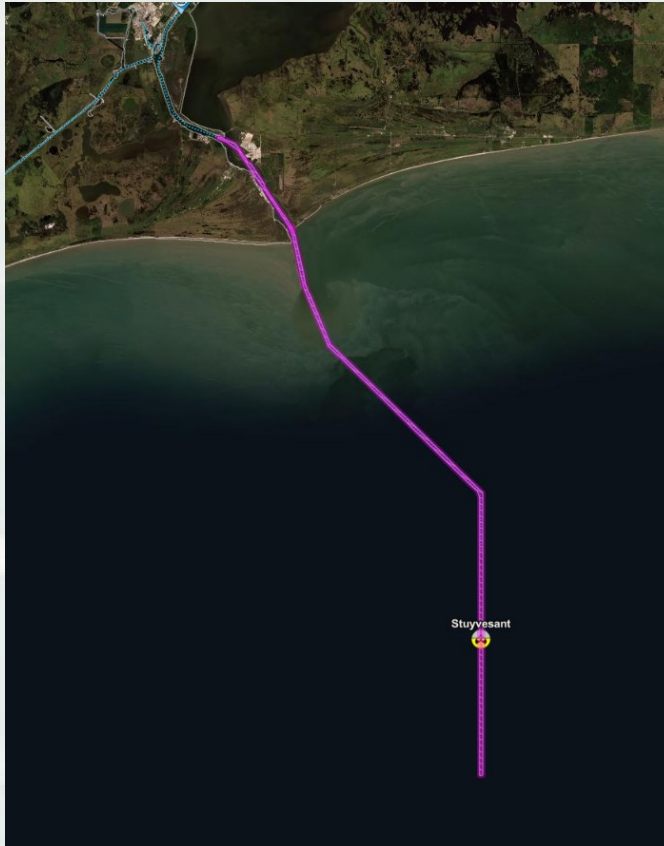
To be awarded by SNND.

Contractor: TBD





SABINE-NECHES WATERWAY EXTENSION CHANNEL TO SABINE PASS DEEPENING



Project:	Sabine-Neches Waterway – CIP (Contract #6 – Full Depth – Sabine Entrance Channel)
Dredging Depth:	48/50 feet + Adv Maint.
Material Type:	NEW WORK
Award:	USACE: FY 24

To be awarded by USACE.
Contract 6A & 6B combined.

Contractor: TBD

POC:
Franchelle Nealy
Project Manager
409-766-3187



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**SABINE
TO GALVESTON**

PORT ARTHUR

&

ORANGE



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Orange County Coastal Storm Risk Management Project



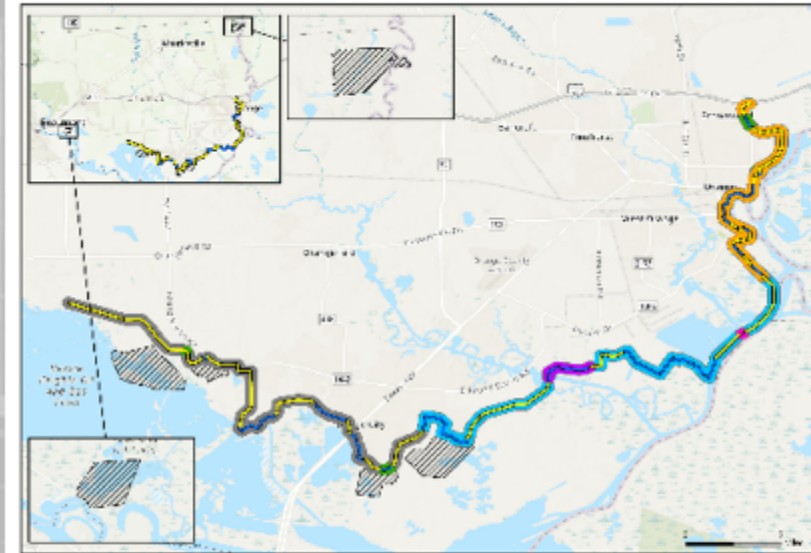
US Army Corps of Engineers

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

Q2 FY20

Q1 FY27

Design

PPA Signed
29 Nov 2019

Construction

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

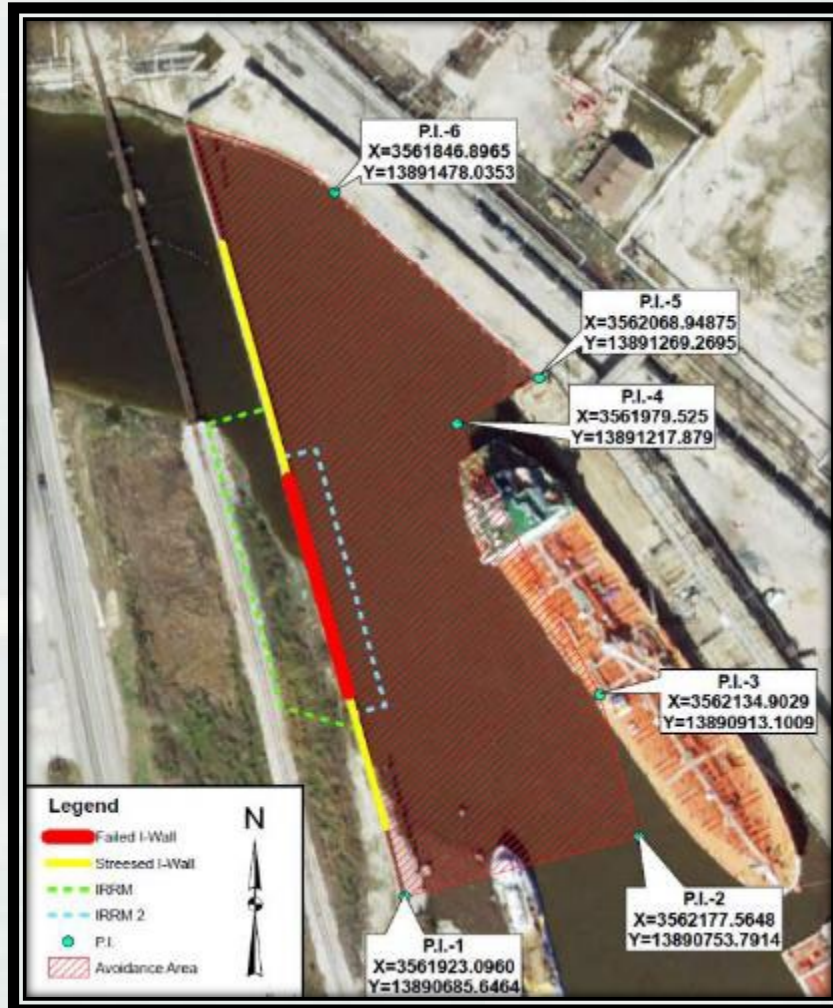


Taylor's Bayou



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Taylor's 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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Questions?



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MSU Port Arthur Port Security Specialist



Michael J. Hiatt

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Southeast Texas and Southwest Louisiana Area Maritime Security Committee

Port Security Grant Program: FY23 announced and SETX and SWLA received over \$4.2 million.

PSGP FY24 should be announced mid February. Don't think about today when submitting grants, think several years into the future of what your facility/vessel/port will be undertaking. The mission and threats can change overnight. Prepare yourself for that change with providing the best possible security available to us today. Think about replacing aging security assets that no longer meet your requirements. Our Cyber Security Specialist and myself are here to assist or point you in the right direction. Also utilize your fellow port partners who have been successful with grants.

**Port Readiness Committee (PRC) Meeting 14 February 2024 10-11 AM MSU Port Arthur.
Members only, closed door meeting.**

SETX/SWLA AMSC Meeting 17 April 2024, 9-12 AM, Orange County Texas EXPO Center

The Maritime Security Risk Analysis Model (MSRAM): The MSRAM Tool and process are utilized in every American port to analyze the risk of a variety of terrorist attacks on assets within the Area. Provides quantitative risk results enabling consistent comparison. Supports wide variety of USCG and partner decisions. This year, the USCG will switch from an access-based system to a Python Web Application making the product more user friendly and reducing the workload on the Port Security Specialist.

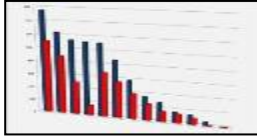
PWCS Strategic Plans



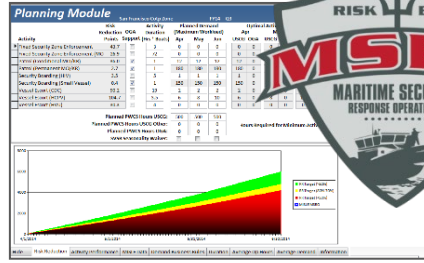
PWCS Risk-Based Performance Model



Annual PWCS Outcome Measure



RBMSRO



Risk Data

Maritime Security Risk Analysis Model (MSRAM)

MSRAM MAIN MENU

Last Name, First Name
RETURN TO SPLASH SCREEN

Risk Analysis

- LIST TARGETS
- SCORE SCENARIOS
- REVIEW DATA
- EARLY INTERDICTION MODULE
- VALIDATION & SIGN-OFF

Risk Communication

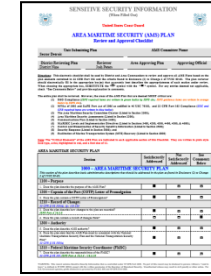
- ANALYZE RESULTS
- SIMPLIFIED REPORTING INTERFACE
- E-GIS RISK MANAGEMENT WORKSPACE

Risk Management

- ALTERNATIVES EVALUATION
- FOCUSED LENS
- RANDOM PROTOCOL

Other Tools: View/Edit Ports | Boxcar Rollup

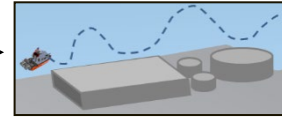
Area Maritime Security Plans



Port Security Grant Program (PSGP)



Patrols



Performance/
Risk Data

Threat Data

Results

Risk Data

Risk Analysis Outputs

Risk Mgmt. Workspace (RMW)



Other External Data Calls

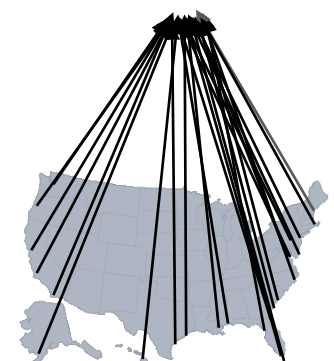


DHS Level I/II

National Maritime Strategic Risk Assessment (NMSRA)



Annual National Data Call



Port Security Grants Program

FEMA Grant POC:

Lurranda “Rene” Phillips

(202)368-5487 Work Mobile

(202)786-9735 Desk

Lurranda.Phillips@fema.dhs.gov

**If you have questions pertaining to your FY23 PSG please reach out to FEMA for details.
The USCG is unable to comment on why and why not!**

Questions?

Michael J. Hiatt

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Michael.j.hiatt2@uscg.mil

USCGC ANT Sabine

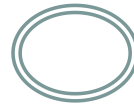
ATON REPORT



ATON VANDALISM UPDATE



QUESTIONS/COMMENTS ?





New Business



NOAA & Coast Pilot Updated Chart, Information

Quentin Stubbs, PhD

Navigation Manager, Texas

Tel: (202) 253-9180

Email: quentin.stubbs@noaa.gov

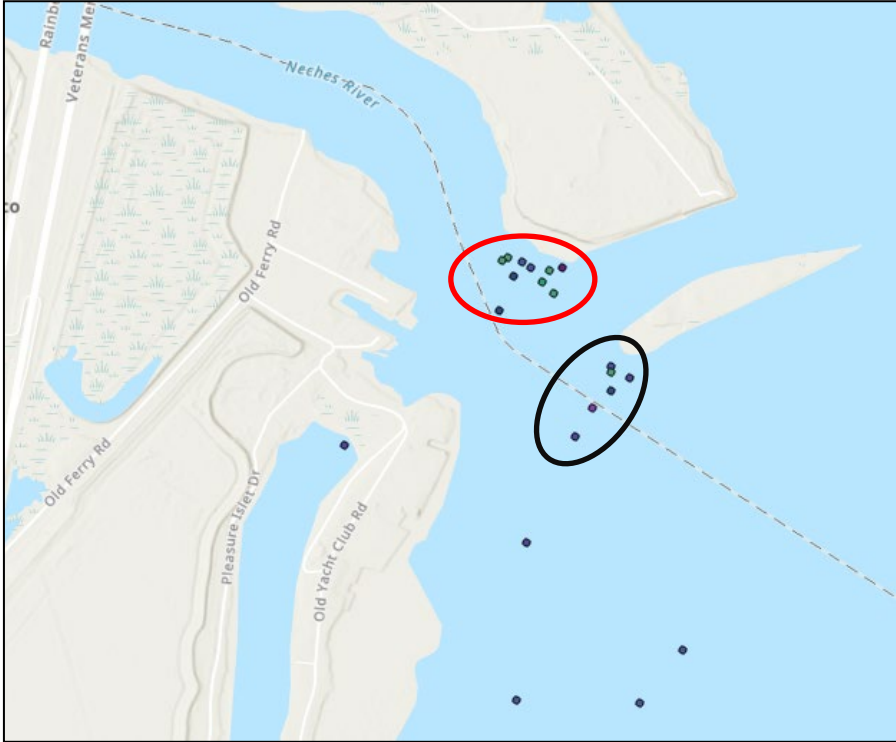
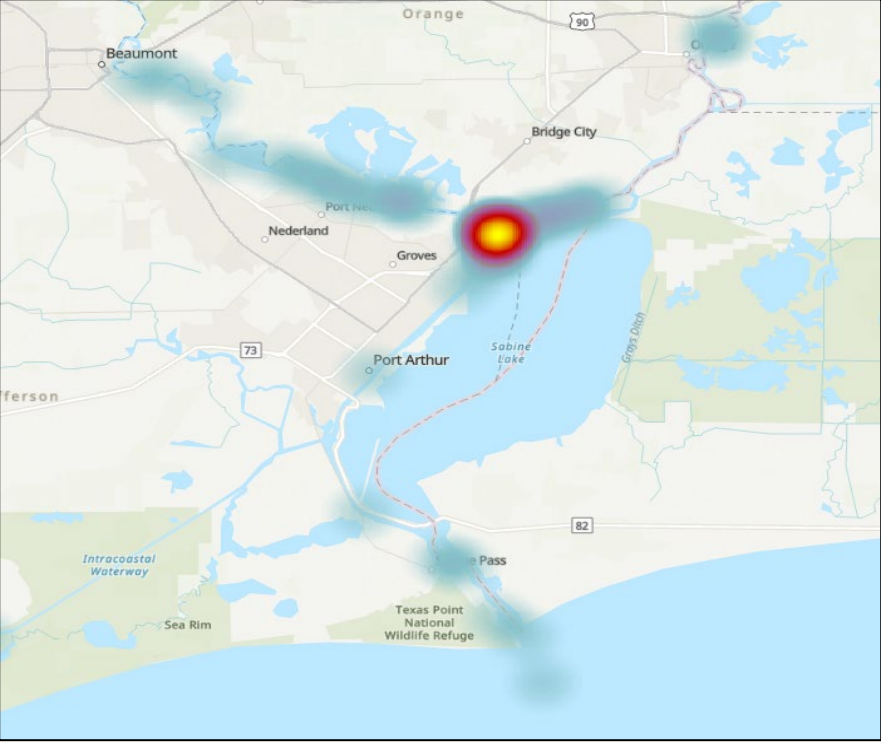


US Coast Guard Intelligence Staff – Port Arthur

LT Bennett Aneralla



Groundings



All groundings CY17-CY23

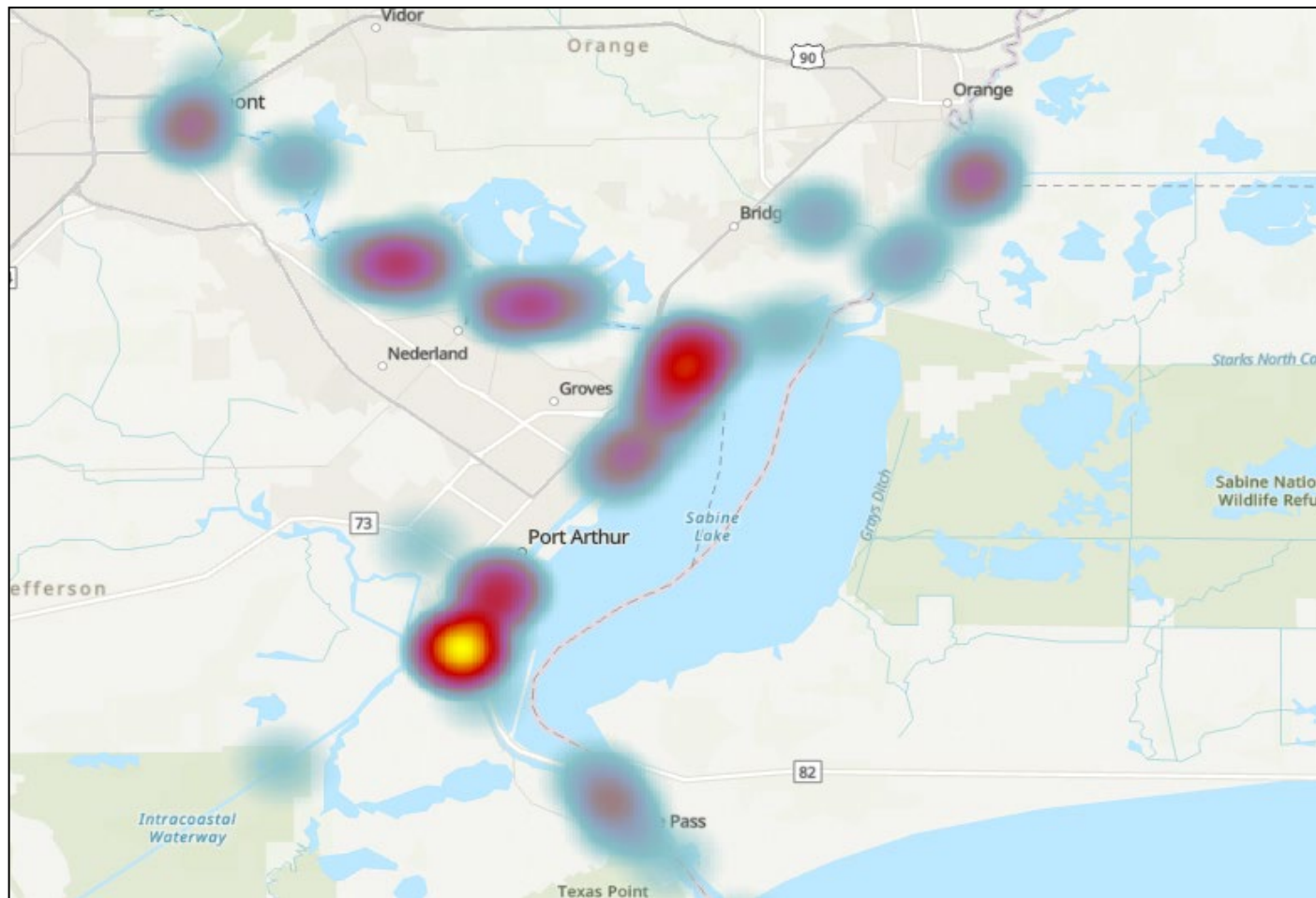
○ AOI#1 ○ AOI#2

By the Numbers:

- 20% occurred in AOI#1
- 12% occurred in AOI#2
- Limited information found involving incidents in AOI#1
- Within AOI#2, 50% of groundings attributed wind as the causative factor (4 of 6 vessels were ITV/UTV's)



Allisions



All Allisions CY17-CY23



Allisions

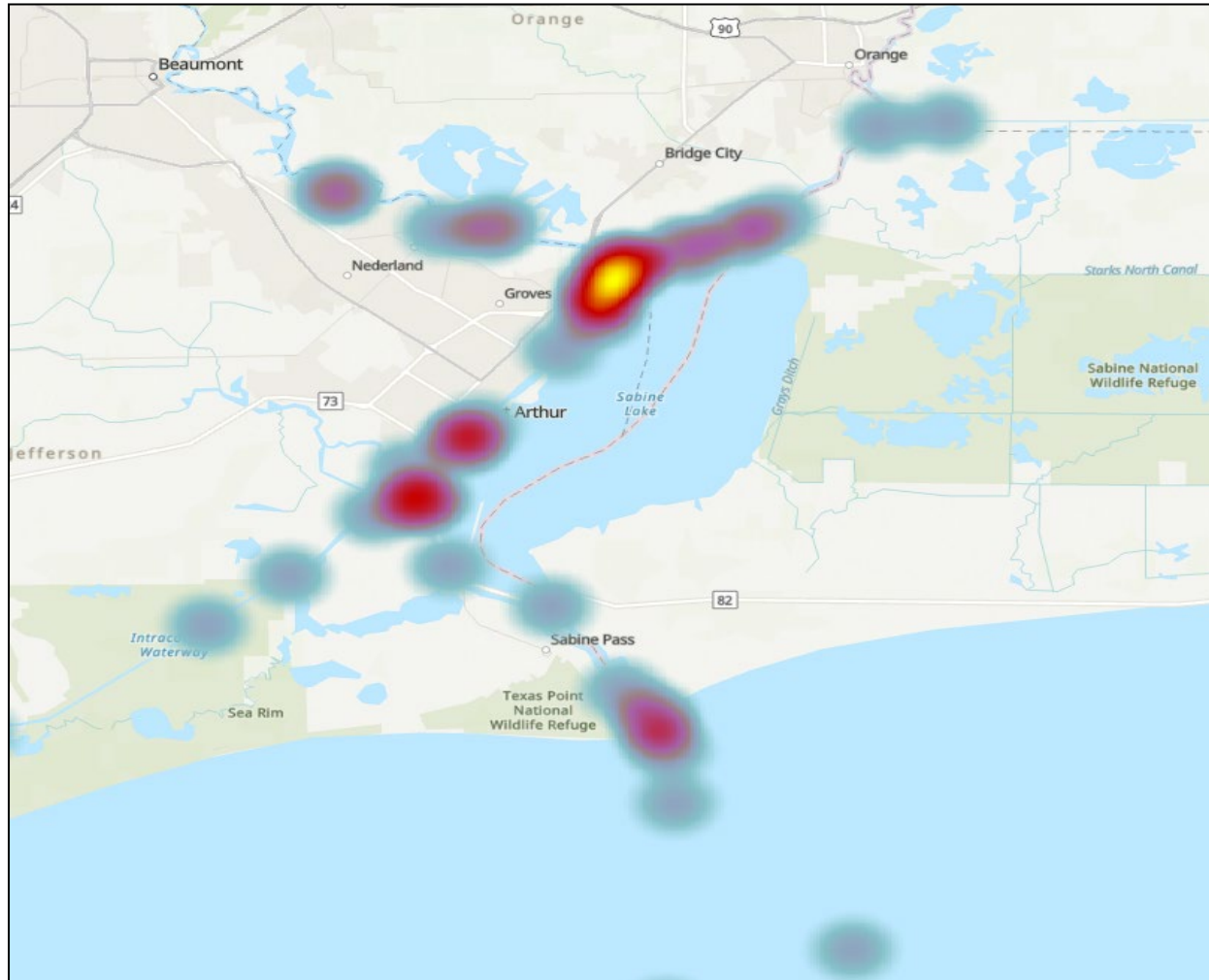


By the Numbers:

- 11% occurred in AOI#1 (West Port Arthur Bridge)
 - 7% occurred in AOI#2 (MLK Bridge)
- Within AOI#1, data trends indicated increased current and wind caused a majority of the allisions with the bridge.
 - Within AOI#2, all allisions involved vessel antennas except for one which involved a vessel's lightning rod.



Collisions



All Collisions CY17-CY23



Collisions

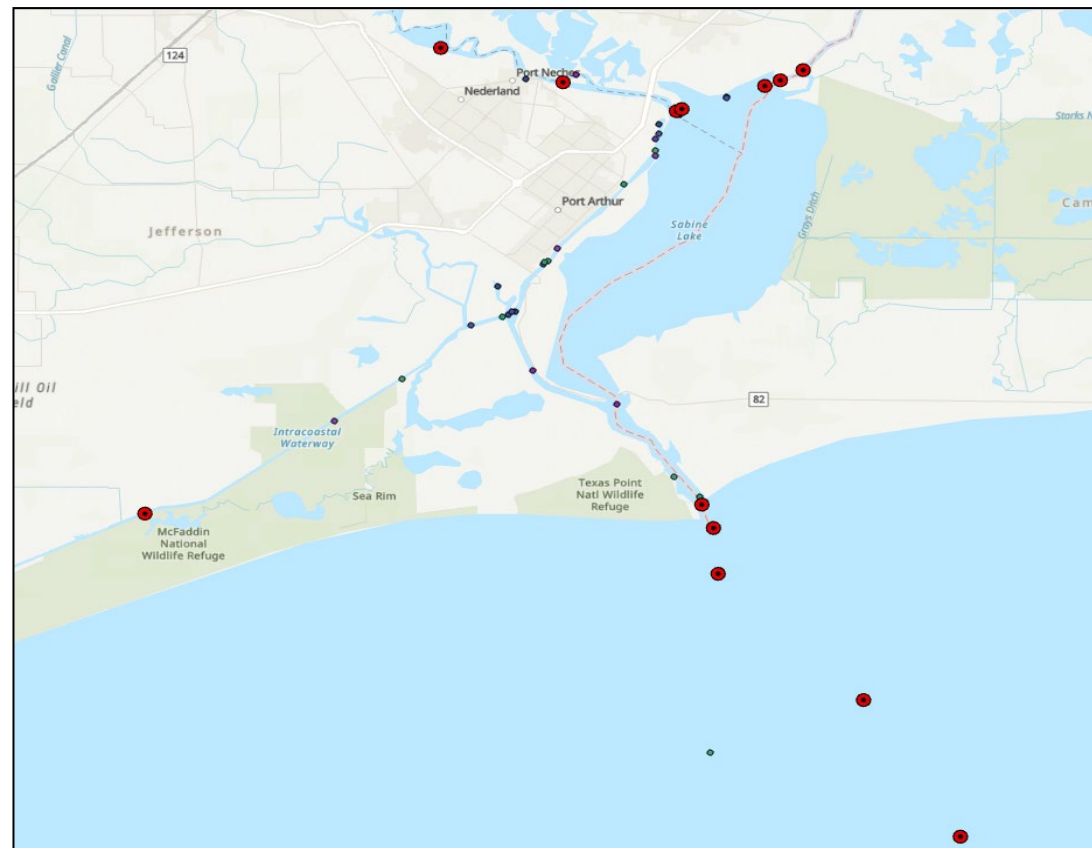


Image depicts total collisions from CY17-CY23. Collisions that had MISLE investigation numbers are represented by red circles.

By the Numbers:

- 15 (31%) total collisions had MISLE investigation numbers associated with them.
 - 10 of those 15 involved barge/tug/tow vessel combinations
 - 3 of those 15 involved fishing vessels
- Of the 3 that involved fishing vessels, 2 involved commercial vessels colliding with fishing vessels



Alternates for Harbor Tugs and for Agents



2024 National Harbor Safety Convention – March