

U.S. Army Corps of ENGINEERS - Galveston District



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WATERWAYS MANAGEMENT SECTION

NAVIGATION MISSION SUPPORT

WMS SECTION OVERVIEW



WMS Hydrographic
SurveyDashboard

SWG Operations
Dashboard

SWG Beneficial Use
Hub Site



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USACE SWG OPERATIONS DASHBOARD

OVERVIEW

The dashboard helps facilitate the management and execution of Operations & Maintenance contracts through enhanced planning and coordination. The dashboard is the preferred platform for briefing leadership, partners and stakeholders.

INFORMATION

- ✓ SWG O&M Contracts
- ✓ Port Conditions
- ✓ Draft Restrictions
- ✓ Active Dredge Locations
- ✓ Hydrographic Survey Maps
- ✓ National Channel Framework

ACCESSIBILITY

Public - Users can access the Operations Dashboard through the Galveston District website.

USACE Galveston District Operations Dashboard

Select by Project: No category selected | Filter by Fiscal Year: No category selected | Filter by Contract Type: No category selected

Awarded Contracts: 30 | **Pre-Awarded Contracts: 36**

- FY20: Houston Ship Channel - PA15 Improvements
- FY20: Jadwin Roof Repairs/Replacement
- FY21: NEW WORK: Cedar Bayou Extension
- FY22: Houston Ship Channel - Redfish to Beacon 78 & Bayport Flare
- FY23: Houston Ship Channel - Morgan's to Exxon and Barbours Cut
- FY23: Houston Ship Channel - Placement Area 14 Dewatering
- FY23: Galveston Harbor and Channel - Entrance Channel and HSC Bolivar to Redfish
- FY23: Gulf Intracoastal Waterway- Rollover to Causeway and Chocolate Bayou Pipeline Dredging
- FY23: Jadwin Chiller #2 Replacement
- FY23: RM Reconfig
- FY23: Houston Ship Channel - Sims to Turning Basin Dredging with Light Draft channel
- FY23: Houston Ship Channel - Rosa Allen PA Improvements
- FY23: Houston Ship Channel - Peggy Lake PA Improvements
- FY23: Gulf Intracoastal Waterway - West Galveston Bay Barrier Island Reconstruction
- FY24: PHA: ISSUED NEW WORK Segment 1C
- FY24: Galveston Harbor and Channel - Pelican Island PA Improvements
- FY24: NEW WORK: Houston Ship Channel - (ECIP) Segment 3, Barbours Cut Channel, Spillman Island & Morgans Point Bulkhead

INFORMATION CONTAINED HEREIN SHOULD NOT BE RELIED UPON WITHOUT FIRST CHECKING WITH THE OPERATIONS MANAGER ASSIGNED TO THE PROJECT

All Contracts

Contract Info | Contract Milestones

Active Dredges

- Dredge Name: Ohio
Contractor: Great Lakes Dredge & Dock
Type: Cutter Suction
Type Group: Pipeline
Project: Corpus Christi Ship Channel
Last Position Update: November 6, 2023 at 11:20 AM
- Dredge Name: General Patton
Contractor: Callan Marine
Type: Cutter Suction
Type Group: Pipeline
Project: GIWW Rollover to Causeway
Last Position Update: November 6, 2023 at 11:20 AM
- Dredge Name: Glenn Edwards
Contractor: Manson Construction
Type: Hopper
Type Group: Hopper
Project: Houston Ship Channel
Last Position Update: November 6, 2023 at 11:20 AM

Dredge Name: General MacArthur
Last update: now

Active Dredges | Draft Restrictions

Esri, Maxar, Earthstar Geographics, and the GIS User Community | Sources: Esri, U.S. Census Bureau | United States Army Corps of Engineers - Galveston District, Operations Divis... | Powered by Esri

CESWG OPERATIONS DASHBOARD

OPERATIONS & MAINTENANCE CONTRACTS

The dashboard offers current information about ongoing and upcoming O&M SWG contracts. Contracts can be filtered by project, fiscal year, and contract type. Upon selection, the dashboard will display the contract's footprint on the main dashboard map and populate the contract information and milestones.

Contract Types:

- ✓ Maintenance Dredging
- ✓ New Work Dredging
- ✓ Placement Area Construction
- ✓ Beneficial Use Site Creation



Contract Milestones

FY23: Brazos Island Harbor - Entrance / Jetty Channels w/Optional Beach Placement*

Milestone	Date
Issue Solicitation	March 24, 2023
Bid Opening	April 25, 2023
Award Date	May 31, 2023
Start Date	June 26, 2023
Required Completion	September 13, 2023

**all dates subject to change at the discretion of the U.S. Army Corps of Engineers. Please contact for more information*

Contract Information

FY23: Brazos Island Harbor - Entrance / Jetty Channels w/Optional Beach Placement*

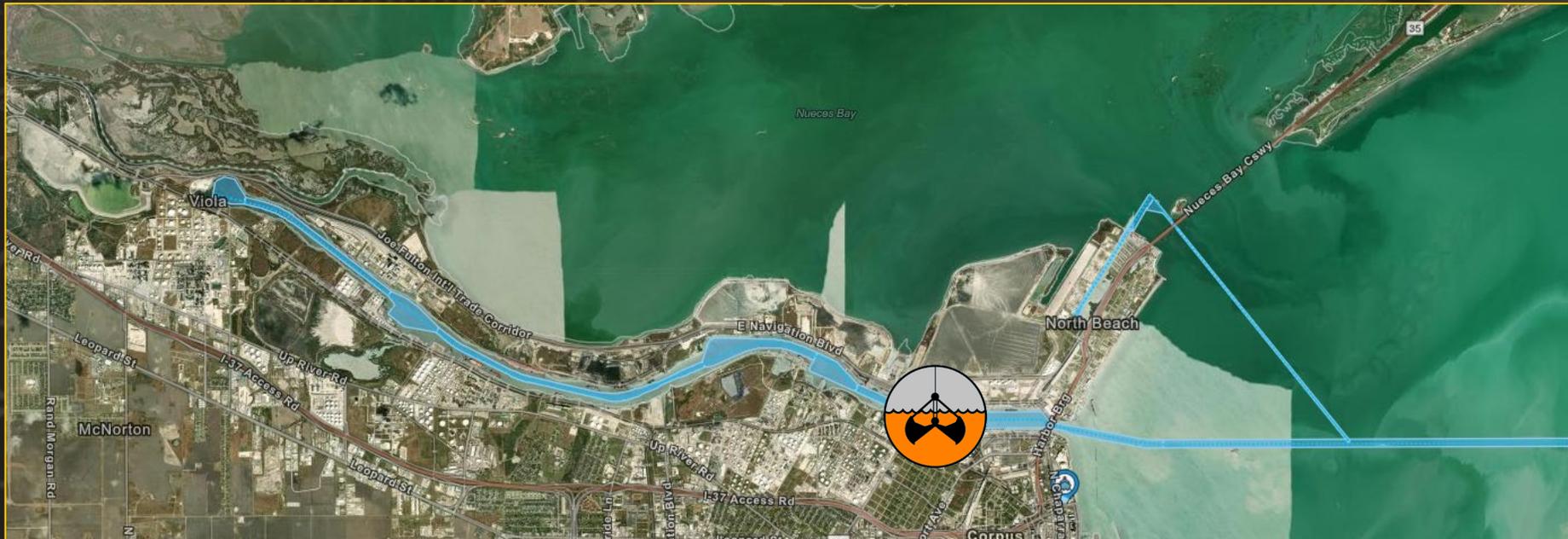
Status	Awarded
Contract Type	Maintenance Dredging
Solicitation Number	W912HY-23-B-0009
Contract Number	W912HY-23-C-0014
Contractor	Weeks Marine Inc.
Estimated Range (\$)	1-5 Million
Contract Award Amount	10,330,500
Current Amount	0
Estimated Quantity (CY)	450,000
Current Quantity (CY)	433,000
Dredge Name	Pending NTP
Dredge Type	H
Contract Required Depth	44-ft + 2-ft

CESWG OPERATIONS DASHBOARD

ACTIVE DREDGING LOCATIONS

Dredging Quality Management (DQM):

- The dashboard utilizes the DQM GIS feature service, enabling users to observe active dredging operations within the Galveston District AOR.
- The National DQM Program is a Corps of Engineers-dredging industry partnership for automated dredging monitoring of Corps dredging projects.



Dredge Information

	Dredge Name: Ohio Contractor: Great Lakes Dredge & Dock Type: Cutter Suction Type Group: Pipeline Project: Corpus Christi Ship Channel Last Position Update: October 10, 2023
	Dredge Name: Ellis Island Contractor: Great Lakes Dredge & Dock Type: Hopper Type Group: Hopper Project: Freeport Harbor Last Position Update: October 10, 2023
	Dredge Name: General Marshall Contractor: Callan Marine Type: Cutter Suction Type Group: Pipeline Project: GIWW Rollover to Causeway Last Position Update: October 10, 2023
	Dredge Name: General Patton Contractor: Callan Marine Type: Cutter Suction Type Group: Pipeline Project: GIWW Rollover to Causeway Last Position Update: October 10, 2023
	Dredge Name: General MacArthur Contractor: Callan Marine Type: Cutter Suction Type Group: Pipeline Project: Houston Ship Channel Last Position Update: October 10, 2023
	Dredge Name: C.R. McCaskill Contractor: Weeks Marine Type: Cutter Suction Type Group: Pipeline Project: Houston Ship Channel Last Position Update: October 10, 2023
	Dredge Name: Avalon Contractor: Curtin Maritime Type: Clamshell Type Group: Mechanical Project: Houston Ship Channel Last Position Update: October 10, 2023

CESWG OPERATIONS DASHBOARD

DRAFT RESTRICTIONS

Draft Restriction Info: Dashboard users have access to draft restriction information including restriction dates, depth(s), impacts and paths forward.

Draft Restriction Types: Regular (normal operations) and storm-related restrictions.

Draft restrictions are established based on SWG hydrographic channel condition surveys and through coordination with local waterway managers and stakeholders.



The map displays a section of the Matagorda Ship Channel with stationing markers at 20+00, 10+00, 98+00, 97+000, and 99+000. A yellow warning triangle with a black exclamation mark is positioned over the channel. A red circle with the number 66 and a green circle with the number 65 are also visible on the map.

Project	Matagorda Ship Channel
Reach	Northern Reaches
Depth Project	
Depth Restriction	- 33
Impact	Vessels already enroute to Point Comfort with a draft greater than 33 feet will be handled on a case-by-case basis
Path Forward	
Date	05/10/2023

Draft Restrictions List

- Project: **Gulf Intracoastal Waterway (Tributaries)**
Reach: Channel to Port Mansfield (Main Channel)
▲ Project Depth: **16 ft.**
Restriction Depth: **- 8 ft.**
- Project: **Port of Port Isabel**
Reach: Brownsville Channel to Port Isabel via East Wye
▲ Project Depth: **36 ft.**
Restriction Depth: **- 29 ft.**
- Project: **Matagorda Ship Channel**
Reach: Matagorda Peninsula to Lt. 48
▲ Project Depth: **38 ft.**
Restriction Depth: **- 35 ft.**
- Project: **Galveston Harbor and Channel**
Reach: Bolivar Roads to Exxon Oil Dock
▲ Project Depth: **46 ft.**
Restriction Depth: **- 42 ft.**
- Project: **Brazos Island Harbor (Brownsville Ship Channel)**
Reach: Main Channel
▲ Project Depth: **42 ft.**
Restriction Depth: **- 39 ft.**
- Project: **GIWW**
Reach: Natural Bay Bottom
▲ Project Depth: **- 14 ft**
Restriction Depth: **- 4 ft.**
- Project: **Sabine Neches Waterway**
Reach: Port Arthur East Turning Basin
▲ Project Depth: **- 40 ft.**
Restriction Depth: **-27 to -37 ft.**
- Project: **Matagorda Ship Channel**
Reach: Northern Reaches
▲ Project Depth:
Restriction Depth: **- 33 ft.**
- Project: **Gulf Intracoastal Waterway (Tributaries)**
Reach: Channel to Port Mansfield - Entrance Channel
▲ Project Depth: **-17 ft.**
Restriction Depth: **-8 ft.**

CESWG OPERATIONS DASHBOARD

HYDROGRAPHIC SURVEYS

Hydrographic Survey Access: The dashboard offers users access to the most recent hydrographic survey maps and XYZ files. Users can access both datasets by selecting a navigation channel and choosing the file type for download from the pop-up menu.

National Channel Framework (NCF): The NCF is the authoritative navigation channel dataset of the USACE. The dashboard leverages eHydro and the NCF to disseminate channel conditions.

Hydrographic Survey Pop-Up

USACE National Channel Framework: ^ ×

Click the links below for the latest hydrographic survey of the selected reach.

Reach ID:	BR_02_JEC
Reach Name:	002 Jetty Channel
XYZ Channel Survey Data:	View
Channel Survey PDF:	View
Stationing:	-6+000 to 0+000
Depth Authorized (Feet - MLLW):	44.0



GALVESTON DISTRICT BUDM HUB SITE



OVERVIEW

The SWG Beneficial Use (BU) site provides a platform for stakeholders to access SWG Operation's ongoing 5-year dredging plans and visualize contracts/plans on a web map.



PURPOSE:

- ✓ Communicate the BU Process
- ✓ 5-year plans to be conveyed via documents and GIS services
- ✓ Intended to be updated quarterly, as 5-year plans are ongoing and subject to revisions



ACCESSIBILITY

Public - Users can access the [Beneficial Use Hub](#) through the Galveston District website under the [Beneficial Use](#) web page.



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Beneficial Use Overview

DO NOT DELETE OR MODIFY THIS ITEM. This item is managed by the ArcGIS Hub application...



Beneficial Use Process

DO NOT DELETE OR MODIFY THIS ITEM. This item is managed by the ArcGIS Hub application...



Beneficial Use Planning Map

DO NOT DELETE OR MODIFY THIS ITEM. This item is managed by the ArcGIS Hub application...



CESWG - Operations Dashboard 2022

USACE GALVESTON DISTRICT: Five Year Dredging Schedules

Fiscal Year: 0 Selected | Navigation Project: is any of 0 Selected

Contract Information

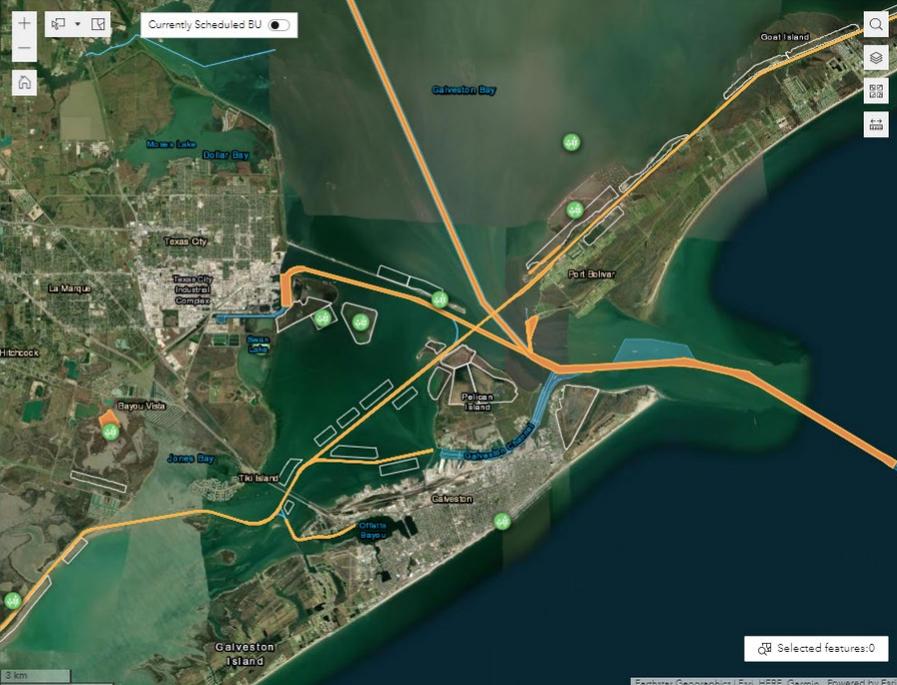
Navigation Project:	Texas City
Contract Area:	Main Channel & Turning Basin
Fiscal Year:	2024
Award Date:	08 - 24
Dredge Type:	F
Dredge Material Placement Plan:	Open Water
Beneficial Use Status:	

PDF of All 5 Year Plans

Beneficial Use Status:

- Scheduled refers to a project that has a beneficial use site coordinated for advertisement within a SWG USACE contract.
- Planned refers to a dredging contract that has a beneficial use component anticipated but not currently attached to a contract.
- Opportunity refers to a dredging contract that does not currently have any beneficial use components identified.

*The five-year plan is developed using historic dredging cycles, forecasted needs, anticipated funds, and upcoming channel improvement projects. All dates are subject to change prior to their official advertisement and award.



0 Selected features: 0

Esri | HERE | DeLorme | Mapbox | OpenStreetMap contributors | Imagery © Mapbox | © 2024

BUDM HUB SITE PLANNING MAP

Web GIS Map Application Overview

- Contains relevant USACE and external agency GIS layer
- Update (2023) BUDM GIS Point Layer ([add hyperlink](#))
- Upcoming maintenance dredging projects
- 5-year dredging plans (FY23 – FY 28)



Beneficial Use Overview

The "Beneficial Use of Dredged Material Overview" site page of the Beneficial Use hub site...



Beneficial Use Process

The "Beneficial Use Process" site page of the Beneficial Use hub site product. Developed by th...



Beneficial Use Planning Map

The "Beneficial Use Planning Map" site page of the Beneficial Use hub site product. Develop...



CESWG Operations Dashboard

This Web Experience of CESWG Operations Dashboard was developed by the USACE...

USACE GALVESTON DISTRICT: Five Year Dredging Schedules

Fiscal Year: Navigation Project: is any of

< 1 of 24 >



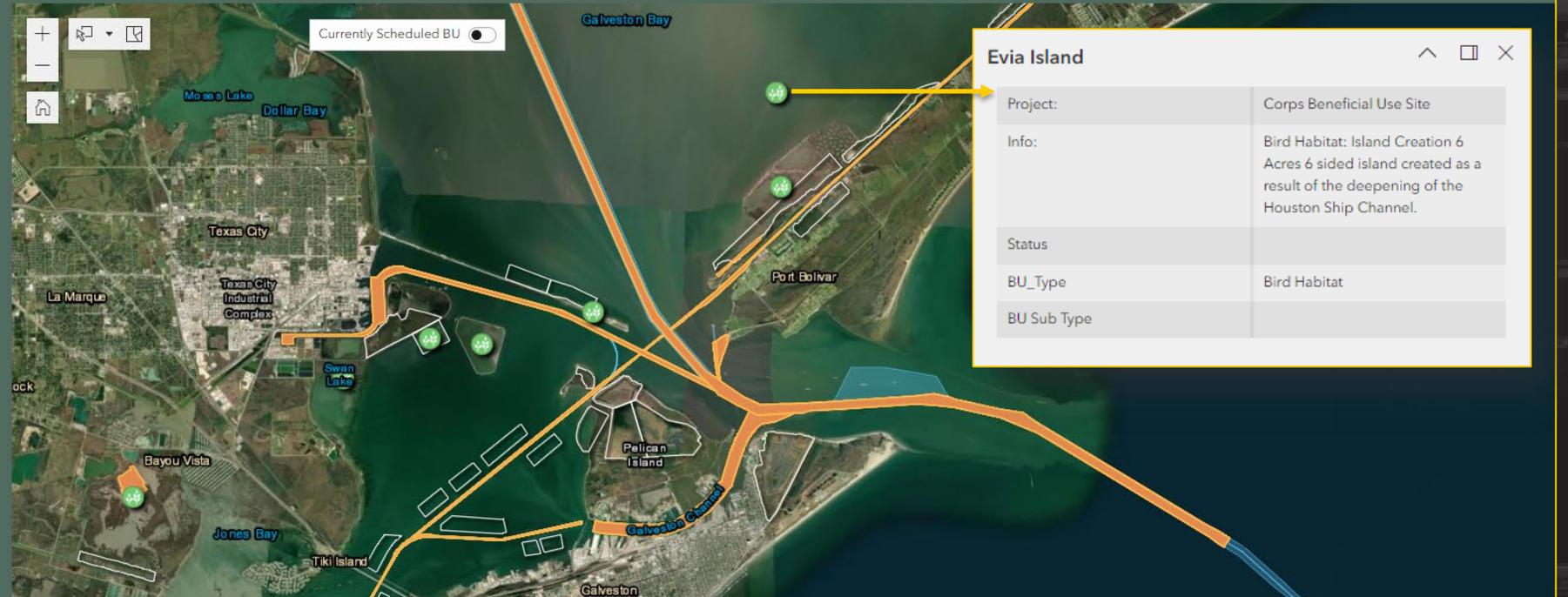
Contract Information

5-YR Plan PDF:	View
Navigation Project:	Texas City
Contract Area:	Main Channel & Turning Basin
Fiscal Year:	2024
Award Date:	08 - 24
Dredge Type:	P
Dredge Material Placement Plan:	BU
Beneficial Use Status:	Planned; Federal BU Sites

[PDF of All 5 Year Plans](#)

Beneficial Use Status:

- Scheduled refers to a project that has a beneficial use site coordinated for advertisement within a SWG USACE contract.
- Planned refers to a dredging contract that has a beneficial use component anticipated but not currently attached to a contract.
- Opportunity refers to a dredging contract that does not currently have any beneficial use components identified.



Evia Island

Project:	Corps Beneficial Use Site
Info:	Bird Habitat: Island Creation 6 Acres 6 sided island created as a result of the deepening of the Houston Ship Channel.
Status:	
BU_Type:	Bird Habitat
BU Sub Type:	

USACE HYDROGRAPHIC SURVEY DASHBOARD

OVERVIEW

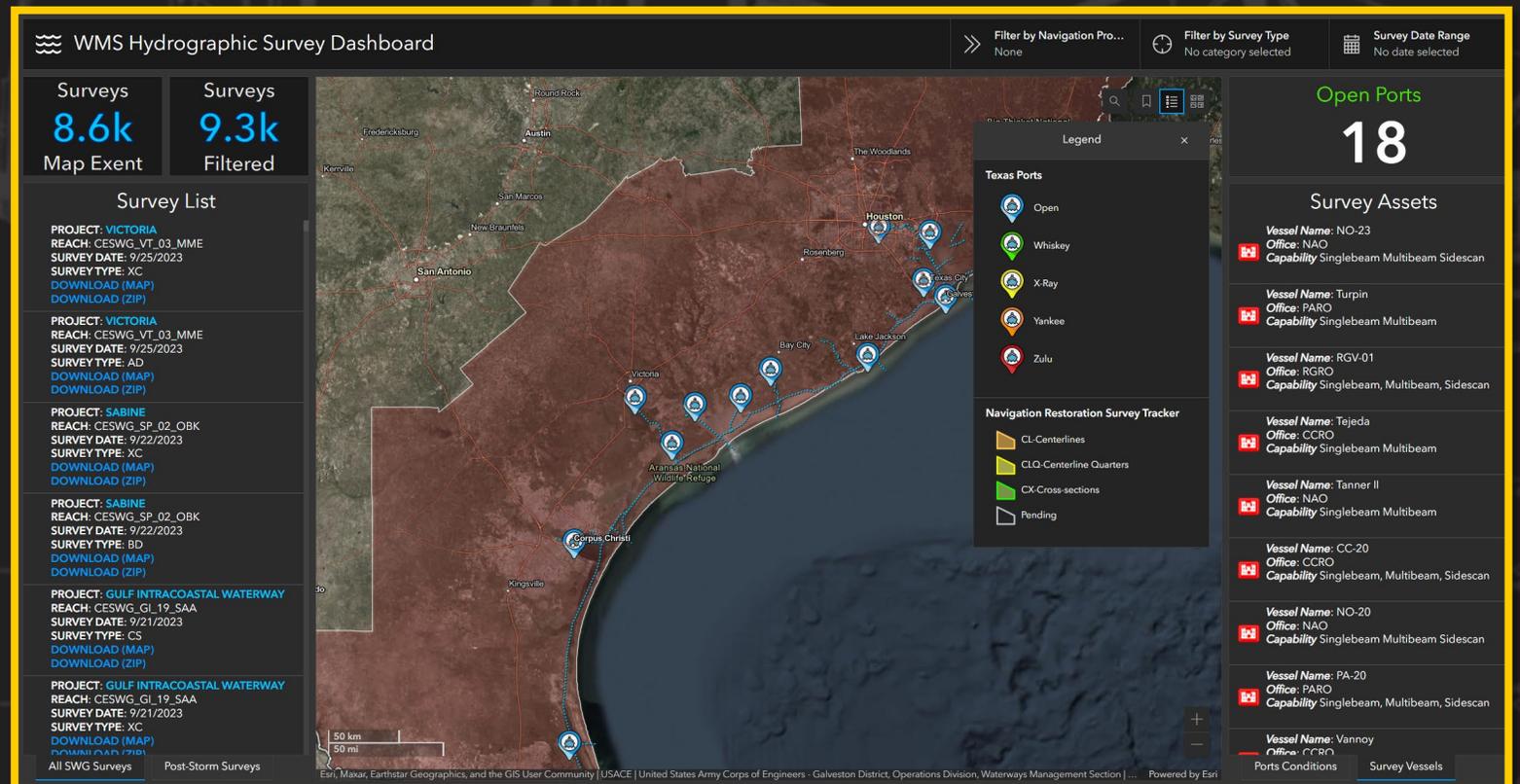
The Dashboard leverages the National Channel Framework (NCF), and the eHydro GIS enterprise to allow users to access the districts entire catalog of hydrographic surveys. Additionally, the dashboard is utilized as an emergency management tool for communicating navigation restoration and recovery information with with the Gulf Coast Inland Waterways Joint Hurricane Team (JHT).

INFORMATION

- ✓ Hydrographic Surveys Maps
- ✓ Hydrographic Surveys XYZ
- ✓ National Channel Framework
- ✓ SWG survey vessels
- ✓ Texas Port Condition

ACCESSIBILITY

Public - Users can access the Hydrographic Surf Dashboard through the Galveston District Hydrographic Survey web page.



CESWG HYDROGRAPHIC SURVEY DASHBOARD

FILTERING SURVEY DATA

Hydrographic Survey Access: The dashboard provides access to the latest hydrographic survey maps process through eHydro **Survey Job** GIS Feature Service.

1. Map Extent Filter

Filters the survey list by map extent

2. Attribute Filter

Filters the survey list by the below attributes

- ✓ Survey Type
- ✓ Navigation Project
- ✓ Survey Date Range

Note: List is actively filtered by BOTH

WMS Hydrographic Survey Dashboard

Filter by Navigation Proj...
CORPUS CHRISTI

Filter by Survey Type
Condition Survey

Survey Date Range
No date selected

Surveys	Surveys
199	368
Map Extent	Filtered

Survey List

PROJECT: **CORPUS CHRISTI**
 REACH: CESWG_CC_06_LOB
 SURVEY DATE: 10/13/2023
 SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)

PROJECT: **CORPUS CHRISTI**
 REACH: CESWG_CC_05_HLQ
 SURVEY DATE: 9/28/2023
 SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)

PROJECT: **CORPUS CHRISTI**
 REACH: CESWG_CC_05_HLQ
 SURVEY DATE: 5/16/2023
 SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)

PROJECT: **CORPUS CHRISTI**
 REACH: CESWG_CC_06_LQB
 SURVEY DATE: 4/11/2023
 SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)



CESWG HYDROGRAPHIC SURVEY DASHBOARD

DOWNLOADING SURVEY DATA

Survey List TOC: Once the user has located the desired survey(s), they can download the data directly from the TOC. The download links pull directly from the Survey Job GIS feature service attribute table.

- Download Survey Map**
Mapbook of hydrographic surveys
- Download Survey ZIP**
Zip file including all related data
 - ✓ File Geodatabase
 - ✓ TIN Surface
 - ✓ Survey Maps (PDF)
 - ✓ XYZ Data

The dashboard displays the following information:

- WMS Hydrographic Survey Dashboard**
- Surveys 199** (Map Extent)
- Surveys 368** (Filtered)
- Survey List**
 - PROJECT: CORPUS CHRISTI**
REACH: CESWG_CC_06_LQB
SURVEY DATE: 10/13/2023
SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)
 - PROJECT: CORPUS CHRISTI**
REACH: CESWG_CC_05_HLQ
SURVEY DATE: 9/28/2023
SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)
 - PROJECT: CORPUS CHRISTI**
REACH: CESWG_CC_05_HLQ
SURVEY DATE: 5/16/2023
SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)
 - PROJECT: CORPUS CHRISTI**
REACH: CESWG_CC_06_LQB
SURVEY DATE: 4/11/2023
SURVEY TYPE: CS
[DOWNLOAD \(MAP\)](#)
[DOWNLOAD \(ZIP\)](#)
- Corpus Christi Ship Channels: Humble Basin to Junction at La Quinta Channel**
 - Map showing bathymetric data with a color scale from blue (shallow) to red (deep).
 - Map includes labels for MOON CANAL, LA QUINTA, GULF INTERCOASTAL WATERWAY, CORPUS CHRISTI, and ARCADIS PASS.
 - Map includes a legend, scale bar, and north arrow.

CESWG HYDROGRAPHIC SURVEY DASHBOARD

EMERGENCY MANAGEMENT

Navigation Restoration: CESWG is part of the Gulf Coast Inland Waterways Joint Hurricane Team (JHT). The JHT objectives is to Implement an effective, consistent, safe, and expeditious restoration of Gulf Coast maritime commerce following storms.

✓ Lead daily JHT Navigation Restoration Call

CESWG Chief of Navigation conducts daily call with stakeholders which include USCG, USACE, NOAA, TXDOT, Waterways Officials, Port Authorities, Gulf Coast Port or Pilot Organizations.

✓ Assesses, verify channel and report conditions

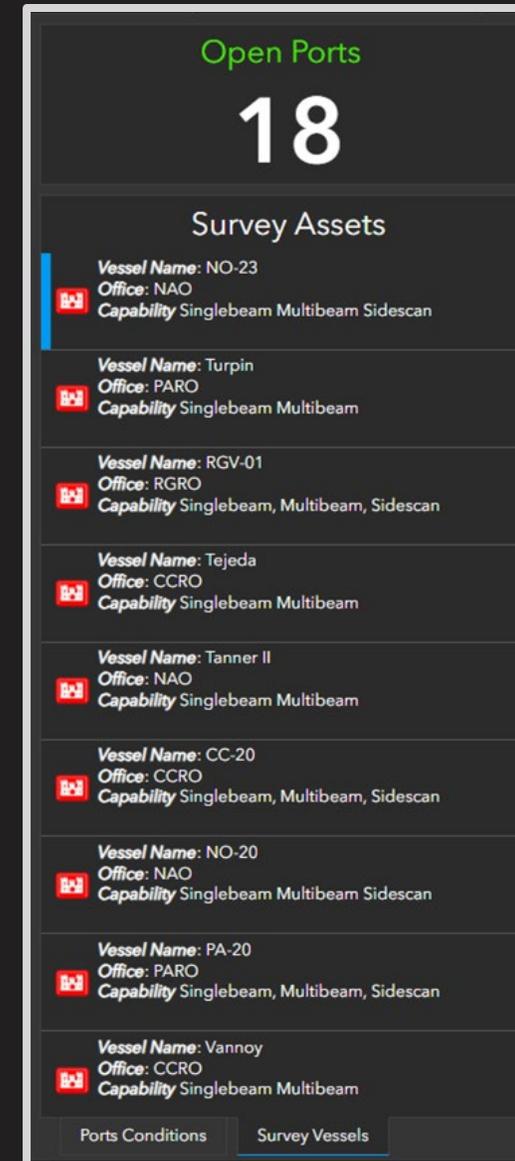
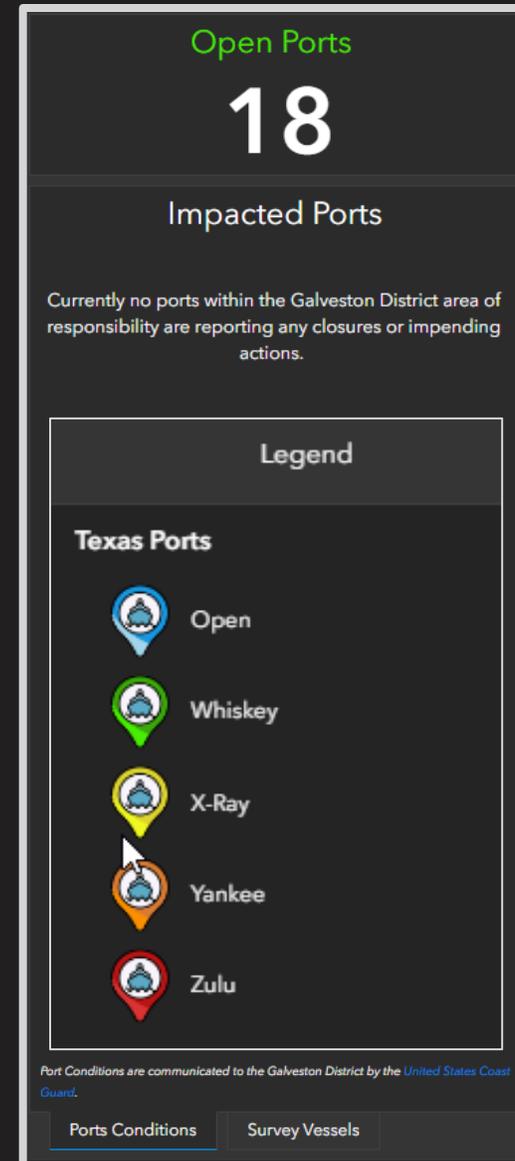
Reported through both eHydro, the Operations Dashboard and the District website. Daily brief includes Texas port conditions survey plans and vessel locations.

✓ Advise, verify channel and report conditions

USCG on open/closed and status of waterways

✓ Emergency Management

Issue Emergency Contracts for Dredging, Restrictions and Obstruction Removal. Dashboard can be leverages to include “on-the-fly” service layers to support.



USACE HYDROGRAPHIC SURVEY WEBSITE

OVERVIEW

The Galveston district hydrographic survey website is where local stakeholders go to access the latest hydrographic survey channel condition maps and sounding data for federal authorized waterways. The website is hosted through the American Forces Public Information Management (AFPIIMS).

<https://www.swg.usace.army.mil/Missions/Navigation/Hydrographic-Surveys>

INFORMATION

- ✓ Hydrographic Surveys Maps
- ✓ Hydrographic Surveys XYZ

ACCESSIBILITY

Public - Users can access the through the Galveston district website.

US Army Corps of Engineers Galveston District Website

Missions / Navigation / Hydrographic Surveys

Channel Condition Reporting with eHydro

HYDROGRAPHIC SURVEY BRIEF

The U.S. Army Corps of Engineers' navigation mission is to provide safe, reliable, efficient, and environmentally sustainable waterway systems (channels, harbors, and waterways) for movement of commerce, national security, and recreation. The mission of the Galv Branch is to manage federal Navigation Projects along the Texas coastal region. The Galveston district hydrographic survey webpage hydrographic survey products and raw survey data for download.

SURVEY MAPS

The information depicted on these survey maps represent the results of surveys made on the dates indicated and can only be considered general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should use the information required here. Required by 33 CFR 209.325

EHYDRO

The U.S. Army Corps of Engineers developed eHydro to provide enterprise performance-based analyses and budgeting for coastal through geospatial data to be used for, uniform method of data dissemination and comparison of latest conditions on coastal navig Galveston district processes and reports channel condition data through the eHydro reporting process for all high and moderate co followed by low use channels.

For more information download the [Galveston District eHydro Infographic](#)

Make sure your viewing the latest survey information! Please follow these steps before reporting missing or outdated survey data. [Instructions.](#)

Corpus Christi Index & Survey Maps

PAGES	CHANNEL	Station to Station	Survey Date(s)	PDF Map	XYZ Data
1 - 2	Sea Bar Channel	-210+00 to -60+00	05/17/23	Survey Map	[No Title]
3	Jetty Channel	-60+00 to 0+00	05/08/23	Survey Map	XYZ
4	Inner Basin at Main Channel	0+00 to 21+36.61	05/08/23	Survey Map	XYZ
5	Inner Basin at Harbor Island	21+36.61 to 38+16.42	09/28/23	Survey Map	XYZ
6 - 12	Humble Basin to Junction at La Quinta Channel	38+16.42 to 565+53.10	09/28/23	Survey Map	XYZ
13 - 19	La Quinta Channel Junction to Beacon 82	565+53.10 to 1075+00.00	04/11/23; 05/23/23; 06/02/23; 07/20/23	Survey Map	XYZ
20	Beacon 82 to Main Turning Basin	1075+00 to 1132+01.52	04/17/23; 07/20/23	Survey Map	XYZ
21	Main Turning Basin	1132+01.52 to 1196+36.70	05/23/23; 06/16/23; 07/15/23; 08/16/23	Survey Map	XYZ
22	Industrial Canal	1196+36.70 to 1230+98.12	04/13/23; 08/16/23	Survey Map	XYZ