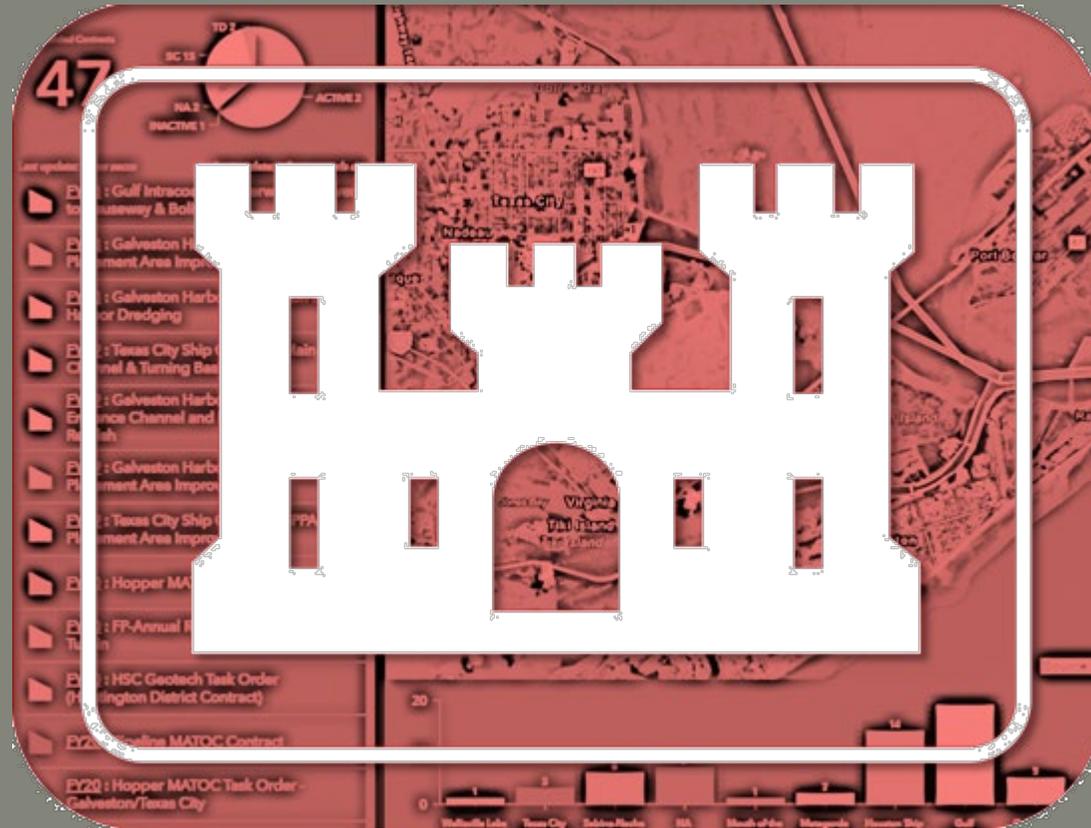
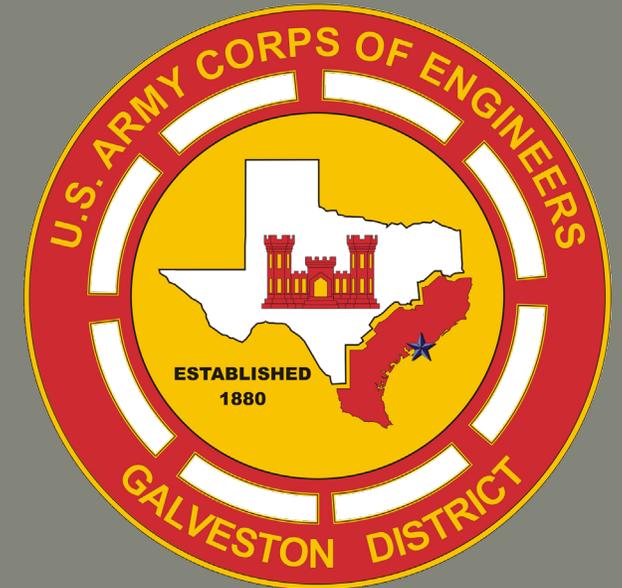


US ARMY CORPS OF ENGINEERS – GALVESTON DISTRICT OPERATIONS NAVIGATION DASHBOARD



Dashboard User Guide
Waterways Management Section
APRIL 2020



"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."



US Army Corps
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U.S.ARMY

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INTRODUCTION

The USACE Operations Dashboard is a web application that provides location-aware data visualization and analytics for a real-time operational view of operations contracts, draft restrictions, and hydrographic survey information. From a dynamic dashboard, managers and stake holders can access the latest information to make decisions at a glance.

Awarded Contracts

47

ACTIVE	25
TD	2
SC	13
NA	2
INACTIVE	1

Last update: 25 minutes ago

- FY18 : Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
- FY18 : Galveston Harbor - Pelican Island Placement Area Improvements
- FY18 : Galveston Harbor - Galveston Inner Harbor Dredging
- FY19 : Texas City Ship Channel - Main Channel & Turning Basin
- FY19 : Galveston Harbor - Galveston Entrance Channel and HSC Bolivar to Redfish
- FY19 : Galveston Harbor - San Jacinto Placement Area Improvements
- FY19 : Texas City Ship Channel - SPPA 2 Placement Area Improvements
- FY20 : Hopper MATOC contract
- FY20 : FP-Annual Repairs to the Launch Turpin
- FY20 : HSC Geotech Task Order (Huntington District Contract)

1 of 17

Contract Information

NO.	15
Project AOI	Gulf Intracoastal Waterway
Project	Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
Project Type	Maintenance Dredging
Fiscal_Year	FY18
Resident Office	GRO
Award Status	Awarded
Contract Status	TD
Contractor	Goodloe Marine
Contract Number	W9126G-18-C-0071
Type of Contract	Unrestricted
Solicitation Number	W9126G-18-B-0029
Dredge	NA
Dredge Type	P
Depth	17+1
Estimated Quantity	630000
Placement_Type	Upland and Open Water
Environmental Restriction	NA if observers used



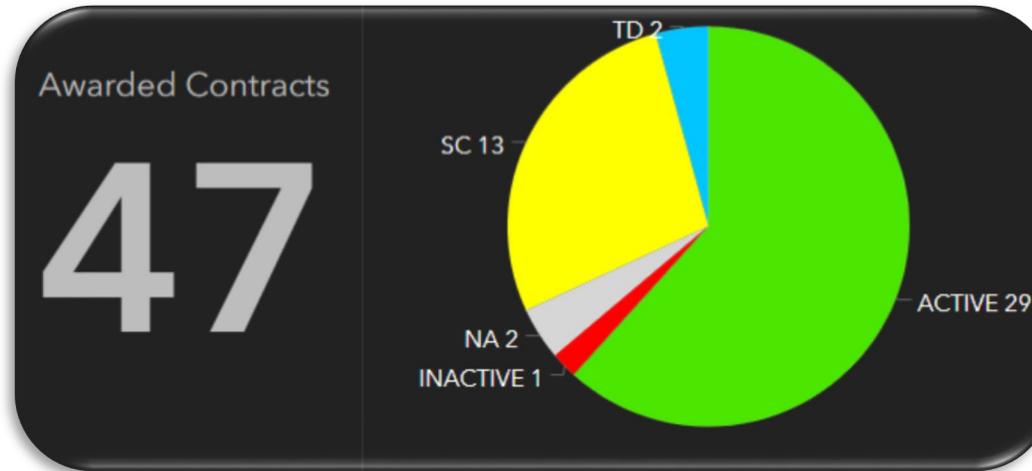
WHAT IS AN OPERATIONS DASHBOARD

Dashboards are designed to display multiple visualizations that work together on a single screen. They offer a comprehensive and engaging view of your data to provide key insight for at-a-glance decision making.

Project Information

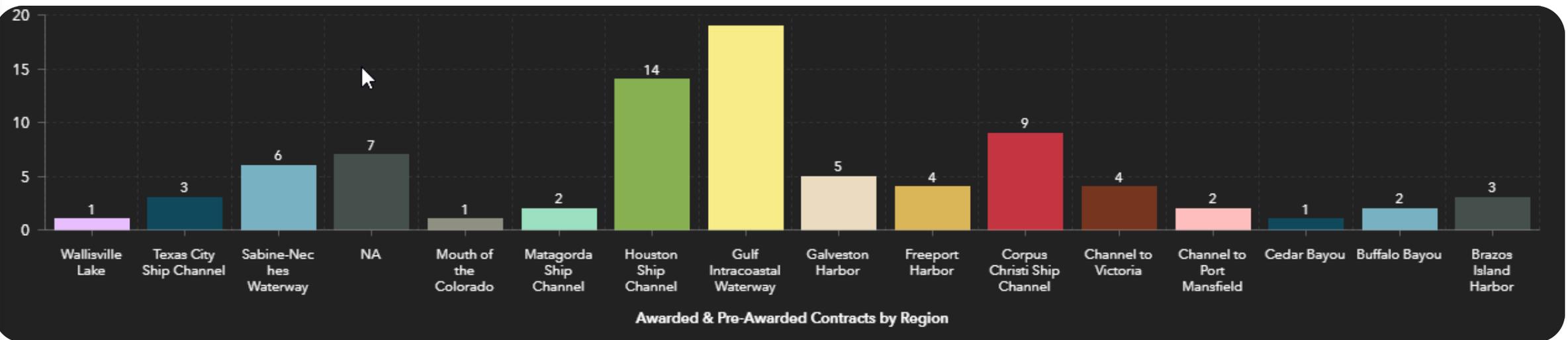
Project AOI	Gulf Intracoastal Waterway
Project	Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
Project Type	Maintenance Dredging
Fiscal_Year	FY18
Resident Office	GRO
Award Status	Awarded

Contract Information



Draft Restrictions

Project	GALVESTON HARBOR AND CHANNEL
Reach	Galveston Inner Harbor
Depth Project	46
Depth Restriction	41
Date of Restriction	9/25/2019
Impact	Restriction impacting deep-draft vessels calling Archer Daniel Midland (ADM) and Texas International Terminal (TIT) facilities.
Path Forward	Funding available to relieve restriction. Task order advertised



OPERATIONS DASHBOARD ACCESSIBILITY

<https://www.swg.usace.army.mil/Missions/Navigation/Navigation-Projects-Contracts/>

- Media
- Business With Us
- Missions**
 - Beneficial Use
 - Contracting in Disasters
 - Corps in the Classroom
 - Dam Safety Program
 - Disaster Impact Models
 - Environmental
 - Environmental Section
 - Flood Plain Management Services
 - Flood Risk Management
 - Levee Safety Program
 - Navigation**
 - Dredging Conference
 - Hydrographic Surveys
 - Laguna Madre
 - Land Use
 - Notice to Navigation
 - HSC Deferred Environmental Restoration of M-7
 - Navigation Projects & Contracts**
 - Projects
 - Permits
 - Recreation
 - Superfund
 - Support For Others
 - Sustainability
 - Technical Project Planning
 - Texas Coast - Value to the Nation
- About
- Locations

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US Army Corps of Engineers Galveston District Website

/ Missions / Navigation / Navigation Projects & Contracts

Operations Dashboard

**USACE CESWG
Operations Dashboard**

The USACE Operations Dashboard is a web application that provides location-aware data visualization and analytics for a real-time operational view of navigation contracts, draft restrictions, and hydrographic survey information. From a dynamic dashboard, managers and stake holders can access the latest information on contract schedules, status and milestones to make informed decisions at a glance.

[Click here for guidance on how best to use the dashboard.](#)



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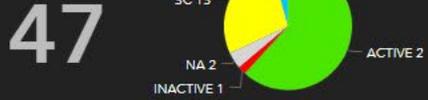
INTRODUCTION: DASHBOARD LAYOUT

CONTRACT FILTERS

CESWG Operations Navigation Dashboard

Contract Status: Filter by Status Project Type: Filter by Project Type Contract Award Status: Awarded

CONTRACT STATS



Last update: a few seconds ago

CONTRACT LIST

- FY18 : Galveston Harbor - Pelican Island Placement Area Improvements
- FY18 : Galveston Harbor - Galveston Inner Harbor Dredging
- FY19 : Texas City Ship Channel - Main Channel & Turning Basin
- FY19 : Galveston Harbor - Galveston Entrance Channel and HSC Bolivar to Redfish
- FY19 : Galveston Harbor - San Jacinto Placement Area Improvements
- FY19 : Texas City Ship Channel - SPPA 2 Placement Area Improvements
- FY20 : Hopper MATOC contract
- FY20 : FP-Annual Repairs to the Launch Turpin
- FY20 : HSC Geotech Task Order (Huntington District Contract)
- FY20 : Pipeline MATOC Contract
- FY20 : Hopper MATOC Task Order - Galveston/Texas City
- FY20 : Jadwin Chiller Replacement
- FY20 : Jadwin Roof Replacement

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MAIN MAP EXTENT



HOME EXTENT



LEGEND

- CESWG OD Contract Schedules
- ACTIVE
 - SC
 - FUTURE
 - INACTIVE
 - NA
 - TD

MAP LAYERS

- CESWG Navigation Draft Restrictions
- CESWG OD Contract Schedules
- Station_Lines
- Center_Lines
- Nav_Channels

CONTRACT INFO

NO.	15
Project AOI	Gulf Intracoastal Waterway
Project	Gulf Intracoastal Waterway Rollover to Causeway Flare
Project Type	Maintenance Dredging
Fiscal_Year	FY18
Resident Office	GRO
Award Status	Awarded
Contract Status	TD
Contractor	Goodloe Marine
Contract Number	W9126G-18-C-0071
Type of Contract	Unrestricted
Solicitation Number	W9126G-18-B-0029
Dredge	NA
Dredge Type	P
Depth	17+1
Estimated Quantity	630000
Placement_Type	Upland and Open Water
Environmental Restriction	NA if observers used
Project Initiation	10/14/2018, 7:00 PM
Issue Solicitation	7/24/2018, 7:00 PM
Bid Opening	8/23/2018, 7:00 PM
Award	9/28/2018, 7:00 PM
Start Date	10/16/2018, 7:00 PM
Required Comp Date	2/23/2019, 6:00 PM

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CONTRACT BY PROJECT

Last update: a few seconds ago

DRAFT RESTRICTIONS STORY MAP

Group Draft Restrictions

CESWG Operations Navigation Dashboard



DASHBOARD FUNCTIONALITY: VIEWING CONTRACTS

CESWG Operations Navigation Dashboard

Contract Status: Filter by Status Project Type: Filter by Project Ty

Awarded Contracts
47

TD 2
SC 13
ACTIVE 2
NA 2
INACTIVE 1

Last update: a few seconds ago Last update: a few seconds ago

- FY18 : Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
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- FY20 : Pipeline MATOC Contract
- FY20 : Hopper MATOC Task Order - Galveston/Texas City

LEGEND
CESWG OD Contract Schedules

- ACTIVE
- SC
- FUTURE
- INACTIVE
- NA
- TD

Map Labels: Dollar Bay, Texas City, Port Bolivar, Vista, Pelican Island, Ra Apfel Park, Galveston, Virginia Point, Tiki Island, Jones Bay.

Map Features: A red exclamation mark icon is visible on the map near Galveston.

- The list of contracts on the left pane is automatically updated each time the map is moved to a new position.
- Contracts are listed in the left panel of the dashboard. The panel list is sorted by the “No.” field from the Contract Milestones spreadsheet.
- The GIS geodatabase driving the dashboard will be updated monthly by the Waterways Management Section using the Contract Milestones spreadsheet after each month’s meeting.

DASHBOARD FUNCTIONALITY: VIEWING CONTRACTS

Awarded Contracts

47

TD 2
SC 13
NA 2
INACTIVE 1
ACTIVE 2

Last update: a few seconds ago

- FY18 : Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
- FY18 : Galveston Harbor - Pelican Island Placement Area Improvements**
- FY18 : Galveston Harbor - Galveston Inner Harbor Dredging
- FY19 : Texas City Ship Channel - Main Channel & Turning Basin
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- FY20 : Jadwin Chiller Replacement
- FY20 : Jadwin Roof Replacement

Last update: a few seconds ago



- When a contract is selected from the list, the map will automatically zoom to the extent of the contract and highlight the contract in purple.
- On the right pane the contract information will be loaded for viewing

1 of 17

Contract Information

NO.	15
Project AOI	Gulf Intracoastal Waterway
Project	Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
Project Type	Maintenance Dredging
Fiscal_Year	FY18
Resident Office	GRO
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Contract Status	TD
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Type of Contract	Unrestricted
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Award	9/28/2018, 7:00 PM
Start Date	10/16/2018, 7:00 PM
Required Comp Date	2/23/2019, 6:00 PM

Last update: a few seconds ago

DASHBOARD FUNCTIONALITY: SORTING CONTRACTS BY FILTER

- Users can use a series of filters to contracts visible on both the contracts list and map extent. To turn off the filters, re-click on the selected filters to turn them off.

The dashboard features a top navigation bar with the following filters: **Contract Status:** Filter by Status, **Project Type:** Filter by Project Type, and **Contract Award Status:** Awarded. A central map displays project areas in Galveston Harbor, including Pelican Island and San Jacinto Placement Area. A left sidebar shows a summary of 47 awarded contracts and a list of recent projects. A right sidebar provides detailed contract information for a selected contract.

Contract Information

NO.	22
Project AOI	Galveston Harbor
Project	Galveston Harbor - San Jacinto Placement Area Improvements
Project Type	PA Improvements
Fiscal_Year	FY19
Resident Office	GRO
Award Status	Awarded
Contract Status	ACTIVE
Contractor	Dredgit Environmental Corporation

Contract Status Filter Options: ACTIVE, FUTURE, INACTIVE, NA, SC, TD

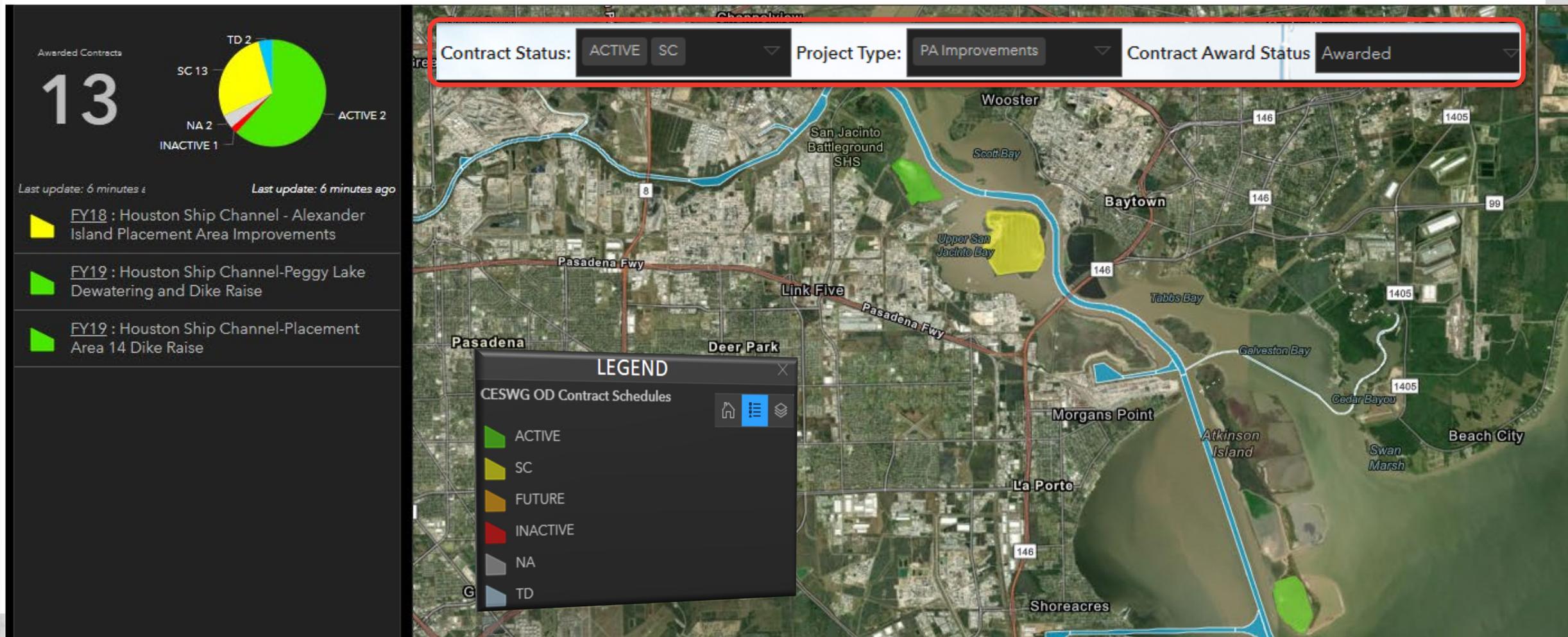
Project Type Filter Options: Beneficial Use, Maintenance Dredging, PA Improvements, Repairs/Contstruction, Salvage Operations

Contract Award Status Filter Options: Awarded, Pending Award, Pre-Award

DASHBOARD FUNCTIONALITY: SORTING CONTRACTS BY FILTER

In a particular example the user has chosen to filter the viewable contracts by four criteria:

- Contract Status: ACTIVE or SC (note: *multiple criteria can be chosen in a single filter*)
- Project Type: PA Improvements
- Contract Award Status: Award



DASHBOARD FUNCTIONALITY: VIEWING DRAFT RESTRICTIONS

- Draft Restrictions Can be viewed in the map by clicking on the exclamation point icon

1 of 3

1

Project GALVESTON HARBOR AND CHANNEL

Reach Galveston Inner Harbor

Depth Project 46

Depth Restriction 41

Date of Restriction 9/25/2019

Impact Restriction impacting deep-draft vessels calling Archer Daniel Midland (ADM) and Texas International Terminal (TIT) facilities.

Path Forward Funding available to relieve restriction. Task order advertised on March 9, 2020 with proposals due on March 19th. Scheduled to award Task Order in April 2020.

Notes 9/26/2019

Legend

CESWG Navigation Draft Restrictions

- ! (Red exclamation point icon)

CESWG OD Contract Schedules

- ACTIVE (Green)
- SC (Yellow-green)
- FUTURE (Yellow)
- INACTIVE (Red)
- NA (Grey)
- TD (Light blue)

Navigation Channels

- (Blue outline)

Map labels: Seawolf Pkwy, Fort Point Rd, Marine Dr, Ferry Rd N, Seawall Blvd, Univ Texas Med Branch Galveston, 4th St, Church St, Stewart Beach Park, Winnie St, Sealy St, 12th St, 13th St, 14th St, 15th St, 16th St, 17th St, 18th St, 19th St, 20th St, 21st St, 22nd St, Mechanical St, Market St, Porretto Beach.



DASHBOARD FUNCTIONALITY: VIEWING DRAFT RESTRICTIONS

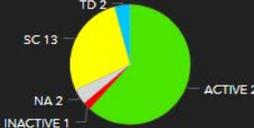
➤ Draft Restriction information can found on both the main map and as a story map in the below tab

CESWG Operations Navigation Dashboard

Contract Status: Filter by Status Project Type: Filter by Project Type Contract Award Status: Filter by Award Status

Awarded Contracts

47



Last update: 13 minutes ago

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- FY20 : Jadwin Roof Replacement

Last update: 13 minutes ago

SWG Federal Channel Draft Restrictions

March 2020

Group: Draft Restrictions



Contract Information

1 of 17

NO.	15
Project AOI	Gulf Intracoastal Waterway
Project	Gulf Intracoastal Waterway - Rollover to Causeway & Bolivar Flare
Project Type	Maintenance Dredging
Fiscal_Year	FY18
Resident Office	GRO
Award Status	Awarded
Contract Status	TD
Contractor	Goodloe Marine
Contract Number	W9126G-18-C-0071
Type of Contract	Unrestricted
Solicitation Number	W9126G-18-B-0029
Dredge	NA
Dredge Type	P
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Award	9/28/2018, 7:00 PM
Start Date	10/16/2018, 7:00 PM
Required Comp	2/23/2019, 6:00 PM

Last update: 13 minutes ago

DASHBOARD FUNCTIONALITY: HYDROGRAPHIC SURVEY DATA

- Hydrographic survey data (XYZ & PDF) can be accessed from clicking on the navigation channel.
- Clicking on the link will open the new tab on the browser to view/download the dataset.
- The links do not contain dates, dates are embedded in the pop-up map and will always be the latest survey.

Showing 1

TEXAS CITY: Texas City Turning Basin

Reach ID: TC_02_TTB

Stationing: 1+54.3 to 43+81.09

Latest Survey: [Link](#)

Latest XYZ Survey Data: [Link](#)

Legend

- Center_Lines
- Navigation Channels

Texas City Harbor Channel: Texas City Turning Basin

Regional Extent

Designing Reach Extent

Survey Date:	11/09/2018
Address:	448
State:	TX
City:	TEXAS CITY
County:	WALKER
Project:	TEXAS CITY TURNING BASIN
Stationing:	1+54.3 to 43+81.09
Survey Type:	HYDROGRAPHIC SURVEY
Scale:	1:1000
Projection:	NAD 83
Units:	Feet
Author:	ESRI
Version:	10.4

RESOURCES & LINKS

- [Navigation Projects and Contracts Website](#)
- [Direct Link to the OPERATIONS DASHBOARD](#)

**QUESTIONS & FEEDBACK
CONTACT A MEMBER OF THE
WATERWAY MANAGEMENT
SECTION:**

