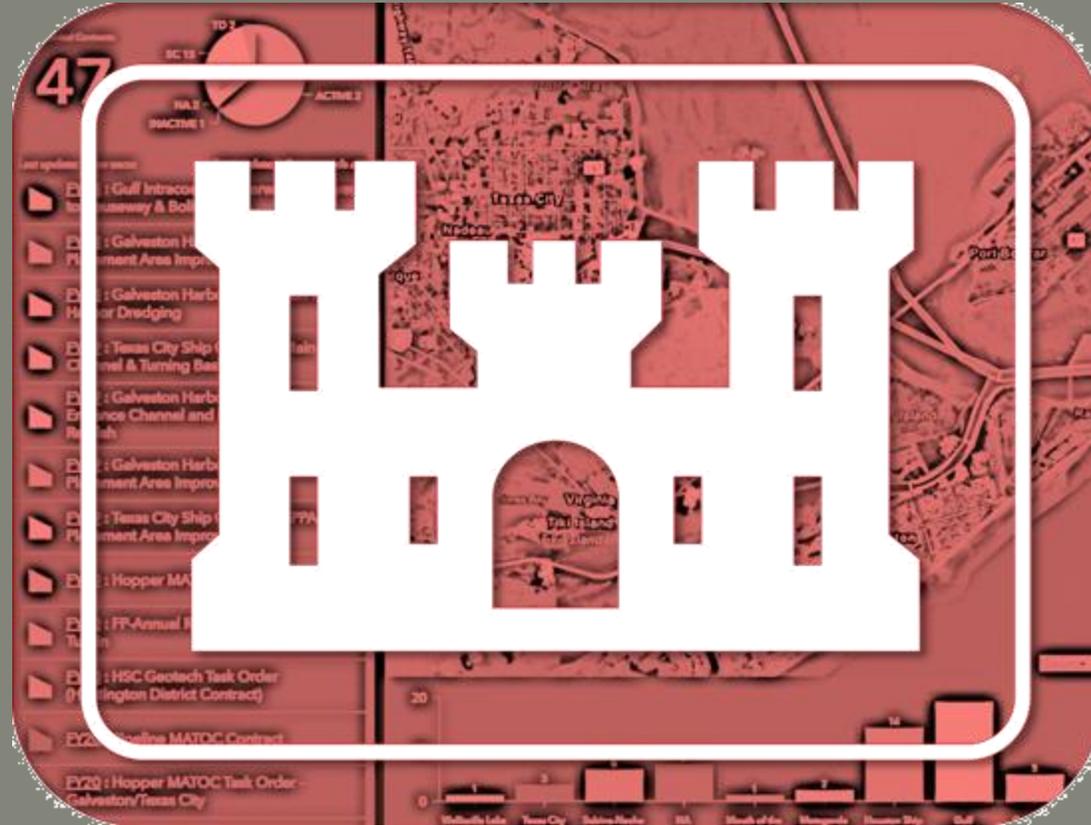


US ARMY CORPS OF ENGINEERS – GALVESTON DISTRICT OPERATIONS NAVIGATION DASHBOARD



Dashboard User Guide
Waterways Management Section
APRIL 2021



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INTRODUCTION

The CESWG Operations Navigation Dashboard is a GIS 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 this dynamic dashboard, managers and stake holders can access the latest information to make decisions at a glance.

Contracts
132
Last update: a few seconds ago

- #1 - FY14 : Channel to Victoria - Maintenance Pipeline Dredging
- #2 - FY17 : Gulf Intracoastal Waterway - Across San Antonio Bay
- #3 - FY19 : Corpus Christi Ship Channel - Channel Improvement Project (Entrance Channel)
- #4 - FY19 : Corpus Christi Ship Channel - PA10 Placement Area Improvements
- #5 - FY19 : Corpus Christi Ship Channel - Jetty Repairs
- #6 - FY20 : GIWW - Across San Antonio Bay; GIWW / MSC Intersection
- #7 - FY20 : Channel to Victoria - Beneficial Use Site Improvements
- #8 - FY20 : Corpus Christi Ship Channel - Channel Improvement Project (Lower Bay Reach)
- #9 - FY20 : Gulf Intracoastal Waterway - Matagorda Bay to Corpus Christi Bay (Across San Antonio Bay)
- #10 - FY20 : Corpus Christi Ship Channel - Inner Basin to Viola
- #11 - FY20 : Matagorda Ship Channel - Matagorda Pen. To Point Comfort
- #12 - FY20 : Channel to Victoria - Maintenance Dredging
- #13 - FY21 : Matagorda Ship Channel - Entrance Channel
- #14 - FY21 : Corpus Christi Ship Channel -

Contracts by Project (click to filter list)

Project	Number of Contracts
Houston Ship Channel	25
GIWW	22
Sabine-Neches Waterway	20
Galveston Harbor and Channel	18
Corpus Christi Ship Channel	15
Channel to Victoria	12
Brazos Island Harbor	10
Buffalo Bayou	8
Freeport Harbor	7
Jadwin	6
Matagorda Ship Channel	5
Texas City Ship Channel	4
Wallisville Lake	3
Mouth of the Colorado	2
Freeport	1
Cedar Bayou	1
Channel to Port Mansfield	1
Brownsville	1

FY16: Channel to Victoria - Maintenance Pipeline Dredging

- Project Area: Channel to Victoria
- Award Status: Awarded
- Contract Type: Maintenance Dredging
- Resident Office: CCRO
- Solicitation Number: W9126G-16-B-0018
- Contract Number: W9126G-16-C-0039
- Contractor: Goodloe Marine
- Active Construction: No
- Est Range: 5-10 million
- Contract Award Amount: 7983465
- Contract Current Amount: 6147750
- Estimated Quantity: 1350000 cubic yards
- Current Quantity: 1725000 cubic yards
- Final Quantity: 1709746 cubic yards
- Dredge: NA
- Dredge Type: P
- Contract Required Depth: 16-ft plus 2-ft
- Issue Solicitation: 4/22/2016, 12:00 AM
- Bid Opening: 5/23/2016, 12:00 AM
- Award Date: 6/22/2016, 12:00 AM

ACTIVE DRAFT RESTRICTIONS

- Project: GALVESTON HARBOR AND CHANNEL
Reach: Galveston Inner Harbor
Proj Depth: 46ft
Restriction: 38ft
- Project: HOUSTON SHIP CHANNEL
Reach: Brady Island to Turning Basin
Proj Depth: 37ft
Restriction: 34.5ft
- Project: BRAZOS ISLAND HARBOR (Brownsville Ship Channel)
Reach: Main Channel
Proj Depth: 42ft
Restriction: 37ft
- Project: GULF INTRACOASTAL WATERWAY (TRIBUTARIES)
Reach: Mouth of Colorado River



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KEY DATASETS FEATURED

Ongoing Contracts

Contracts

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Last update: 2 minutes ago

-  #1 - FY16 : Channel to Victoria - Maintenance Pipeline Dredging
-  #2 - FY17 : Gulf Intracoastal Waterway - Across San Antonio Bay
-  #3 - FY17 : Corpus Christi Ship Channel - PA13 Containment Dike Raise

- The list of Ongoing Contracts is derived from the Contracts Information data, filtered to show the name and FY of the contract, as well as the status. (Awarded = Green) (Pre-Award = Red)

Contract Information

- Project Area: Channel to Victoria
- Award Status: Awarded
- Contract Type: Maintenance Dredging
- Resident Office: CCRO
- Solicitation Number: W9126G-16-B-0018
- Contract Number: W9126G-16-C-0039
- Contractor: Goodloe Marine
- Active Construction: No
- Est Range: 5-10 million
- Contract Award Amount: 7983465
- Contract Current Amount: 6147750

- The Contract Information is derived from the Operation's Managers Contract Milestone spreadsheet
- This information is updated on a regular basis.

Draft Restrictions

ACTIVE DRAFT RESTRICTIONS

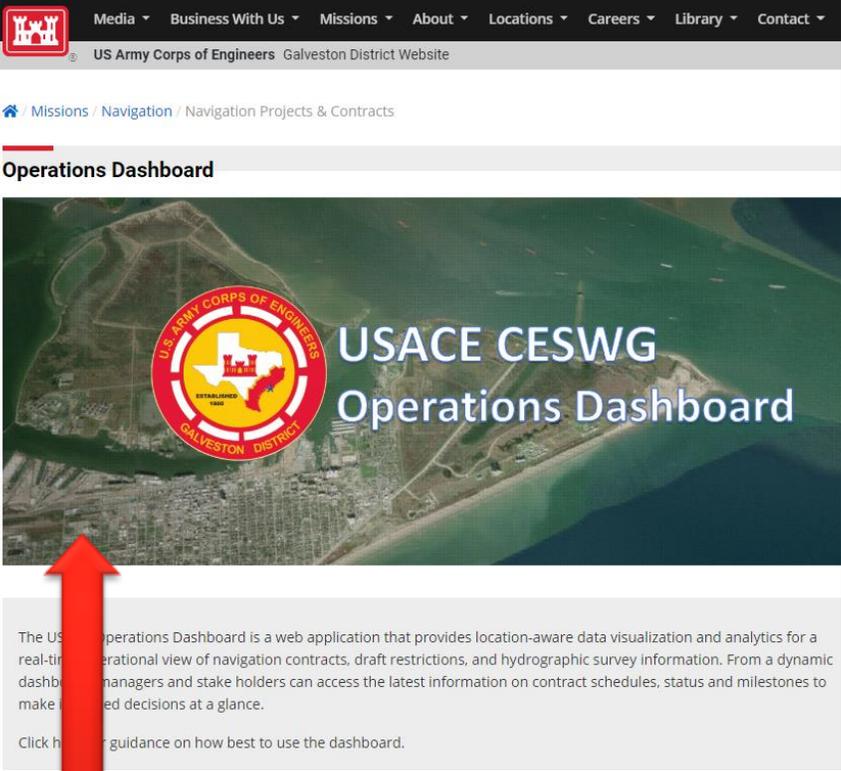
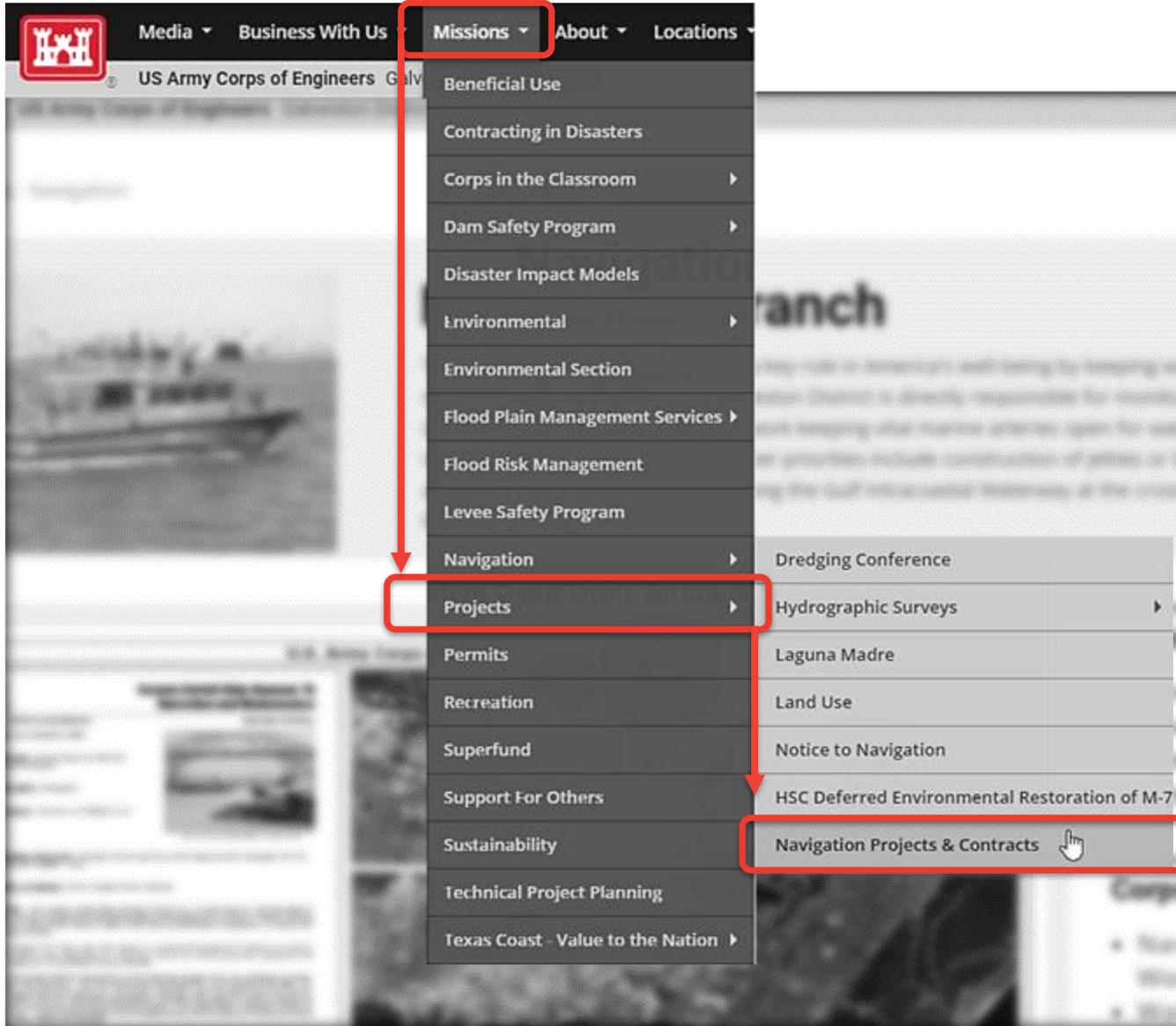
-  Project: GALVESTON HARBOR AND CHANNEL
Reach: Galveston Inner Harbor
Proj Depth: 46ft
Restriction: 38ft
-  Project: HOUSTON SHIP CHANNEL
Reach: Brady Island to Turning Basin
Proj Depth: 37ft
Restriction: 32.5ft
-  Project: BRAZOS ISLAND HARBOR (Brownsville Ship Channel)
Reach: Jetty Channel
Proj Depth: 42ft
Restriction: 37ft

- The Draft Restrictions Dataset is updated on an as-needed basis.
- During Storm events, if any Storm Related Draft Restrictions develop, they will be added here and populated with the necessary information



OPERATIONS DASHBOARD ACCESSIBILITY

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



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INTRODUCTION: DASHBOARD LAYOUT

CESWG Operations Navigation Dashboard

CONTRACT FILTERS

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

Contracts

132

CONTRACT LIST

- ▶ #2 - FY17 : Gulf Intracoastal Waterway - Across San Antonio Bay
- ▶ #3 - FY19 : Corpus Christi Ship Channel - Channel Improvement Project (Entrance Channel)
- ▶ #4 - FY19 : Corpus Christi Ship Channel - PA10 Placement Area Improvements
- ▶ #5 - FY19 : Corpus Christi Ship Channel - Jetty Repairs
- ▶ #6 - FY20 : GIWW - Across San Antonio Bay; GIWW / MSC intersection
- ▶ #7 - FY20 : Channel to Victoria - Beneficial Use Site Improvements
- ▶ #8 - FY20 : Corpus Christi Ship Channel - Channel Improvement Project (Lower Bay Reach)
- ▶ #9 - FY20 : Gulf Intracoastal Waterway - Matagorda Bay to Corpus Christi Bay (Across San Antonio Bay)
- ▶ #10 - FY20 : Corpus Christi Ship Channel - Inner Basin to Viola
- ▶ #11 - FY20 : Matagorda Ship Channel - Matagorda Pen. To Point Comfort
- ▶ #12 - FY20 : Channel to Victoria - Maintenance Dredging
- ▶ #13 - FY21 : Matagorda Ship Channel - Entrance Channel
- ▶ #14 - FY21 : Corpus Christi Ship Channel -

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MAIN MAP EXTENT

HOME EXTENT

LEGEND

MAP LAYERS

FY16: Channel to Victoria - Maintenance Pipeline Dredging

- Project Area: Channel to Victoria
- Award Status: Awarded
- Contract Type: Maintenance Dredging
- Resident Office: CCRO
- Solicitation Number: W9126G-16-B-0018
- Contract Number: W9126G-16-C-0039
- Contractor: Goodloe Marine
- Active Construction: No
- Est Range: 5-10 million
- Contract Award Amount: 7983465
- Contract Current Amount: 6147750
- Estimated Quantity: 1350000 cubic yards
- Current Quantity: 1725000 cubic yards
- Finale Quantity: 1709746 cubic yards
- Dredge: NA
- Dredge Type: P

CONTRACT DETAILS

- Award Date: 6/22/2016, 12:00 AM

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

ACTIVE DRAFT RESTRICTIONS

- ▲ Project: GALVESTON HARBOR AND CHANNEL
Reach: Galveston Inner Harbor
Proj Depth: 46ft
Restriction: 38ft
- ▲ Project: HOUSTON SHIP CHANNEL
Reach: Brady Island to Turning Basin
Proj Depth: 37ft
Restriction: 34.5ft
- ▲ Project: BRAZOS ISLAND HARBOR (Brownsville Ship Channel)
Reach: Main Channel
Proj Depth: 42ft
Restriction: 37ft

Draft Restrictions

Last update: 8 minutes ago

CONTRACT DISTRIBUTION BY PROJECT

Project	Number of Contracts
Houston Ship Channel	25
GIWW	24
Sabine-Neches Waterway	20
Galveston Harbor and Channel	12
Corpus Christi Ship Channel	10
Channel to Victoria	8
Brazos Island Harbor	7
Buffalo Bayou	6
Freeport Harbor	5
Jadwin	4
Matagorda Ship Channel	3
Texas City Ship Channel	2
Wallisville Lake	2
Mouth of the Colorado	2
Freeport	2
Cedar Bayou	1
Channel to Port Mansfield	1
Brownsville	1

Contracts by Project (click to filter list)

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DASHBOARD FUNCTIONALITY: VIEWING CONTRACTS

Contracts
132
Last update: 21 minutes ago

- #1 - FY16 : Channel to Victoria - Maintenance Pipeline Dredging
- #2 - FY17 : Gulf Intracoastal Waterway - Across San Antonio Bay
- #3 - FY19 : Corpus Christi Ship Channel - Channel Improvement Project (Entrance Channel)
- #4 - FY19 : Corpus Christi Ship Channel - PA10 Placement Area Improvements
- #5 - FY19 : Corpus Christi Ship Channel - Jetty Repairs
- #6 - FY20 : GIWW - Across San Antonio Bay; GIWW / MSC Intersection
- #7 - FY20 : Channel to Victoria - Beneficial Use Site Improvements
- #8 - FY20 : Corpus Christi Ship Channel - Channel Improvement Project (Lower Bay Reach)
- #9 - FY20 : Gulf Intracoastal Waterway - Matagorda Bay to Corpus Christi Bay (Across San Antonio Bay)
- #10 - FY20 : Corpus Christi Ship Channel - Inner Basin to Viola
- #11 - FY20 : Matagorda Ship Channel - Matagorda Pen. To Point Comfort
- #12 - FY20 : Channel to Victoria - Maintenance Dredging
- #13 - FY21 : Matagorda Ship Channel - Entrance Channel
- #14 - FY21 : Corpus Christi Ship Channel -

Map: Shows Texas waterways with contract locations marked by colored triangles. A red dashed outline highlights the contract list on the left.

Contract Details (FY16: Channel to Victoria - Maintenance Pipeline Dredging):

- Project Area: Channel to Victoria
- Award Status: Awarded
- Contract Type: Maintenance Dredging
- Resident Office: CCRO
- Solicitation Number: W9126G-16-B-0018
- Contract Number: W9126G-16-C-0039
- Contractor: Goodloe Marine
- Active Construction: No
- Est Range: 5-10 million
- Contract Award Amount: 7983465
- Contract Current Amount: 6147750
- Estimated Quantity: 1350000 cubic yards
- Current Quantity: 1725000 cubic yards
- Final Quantity: 1709746 cubic yards
- Dredge: NA
- Dredge Type: P
- Contract Required Depth: 16-ft plus 2-ft
- Issue Solicitation: 4/22/2016, 12:00 AM
- Bid Opening: 5/23/2016, 12:00 AM
- Award Date: 6/22/2016, 12:00 AM

ACTIVE DRAFT RESTRICTIONS:

- Project: GALVESTON HARBOR AND CHANNEL
Reach: Galveston Inner Harbor
Proj Depth: 46ft
Restriction: 158
- Project: HOUSTON SHIP CHANNEL
Reach: Brady Island to Turning Basin
Proj Depth: 37ft
Restriction: 34.5R
- Project: BRAZOS ISLAND HARBOR (Brownsville Ship Channel)
Reach: Main Channel
Proj Depth: 42ft
Restriction: 37ft
- Project: GULF INTRACOASTAL WATERWAY (TRIBUTARIES)
Reach: Mouth of Colorado River

Contracts by Project (click to filter list):

Project	Number of Contracts
Houston Ship Channel	25
GIWW	23
Sabine-Neches Waterway	20
Galveston Harbor and Channel	15
Corpus Christi Ship Channel	12
Channel to Victoria	10
Brazos Island Harbor	8
Buffalo Bayou	7
Freeport Harbor	6
Jadwin	5
Matagorda Ship Channel	4
Texas City Ship Channel	3
Wallkill & Lake	2
Mouth of the Colorado	1
Freeport	1
Cedar Bayou	1
Channel to Port Mansfield	1
Brownsville	1

- Contracts are listed by name in the left panel of the dashboard. *(Outlined in Red)*
- The list of contracts on the left pane is automatically updated to reflect what all contracts are shown on the map.
- 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.



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DASHBOARD FUNCTIONALITY: VIEWING CONTRACTS

Contracts
132
Last update: 26 minutes ago

- #17 - FY18 : Galveston Harbor - Pelican Island Placement Area Improvements
- #19 - FY17 : Galveston Harbor - San Jacinto Placement Area Improvements
- #23 - FY20 : Hopper MATOC Task Order - Galveston/Texas City
- #24 - FY20 : Texas City Ship Channel - Main Channel & Turning Basin
- #25 - FY20 : Jadwin Chiller Replacement
- #27 - FY20 : Galveston Harbor - Galveston Harbor Dredging
- #28 - FY20 : Jadwin Roof Repairs/Replacement
- #58 - FY20 : Mini-haul-out NO-01 for GRAO.
- #43 - FY20 : Pipeline MATOC Contract
- #56 - FY20 : Purchase of 2-ea New North 27-FT "Sounder" Cubby Cabin Skiffs.
- #59 - FY20 : Mini-haul-out RGV-01 for RG
- #57 - FY20 : Purchase of 1-ea New North 27-FT "Sounder" Cubby Cabin Skiffs.
- #60 - FY21 : Fuel tank repair De La Hunt for M3L133
- #74 - FY21 : Galveston Harbor - Galveston Entrance Channel and HSC Bolivar to Red

FY18: Galveston Harbor - Pelican Island Placement Area Improvements

- Project Area: Galveston Harbor and Channel
- Award Status: Awarded
- Contract Type: PA Improvements
- Resident Office: GRO
- Solicitation Number: W9126G-18-B-0039
- Contract Number: W9126G-18-C-0102
- Contractor: RLB Contracting Inc.
- Active Construction: Yes
- Est Range: 1-5 million
- Contract Award Amount: 3930000
- Contract Current Amount: 3931060
- Estimated Quantity: cubic yards
- Current Quantity: cubic yards
- Final Quantity: cubic yards
- Dredge: NA
- Dredge Type: NA
- Contract Required Depth: NA
- Issue Solicitation: 8/13/2018, 12:00 AM
- Bid Opening: 9/12/2018, 12:00 AM
- Award Date: 9/27/2018, 12:00 AM

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

ACTIVE DRAFT RESTRICTIONS

- Project: GALVESTON HARBOR AND CHANNEL
Reach: Galveston Inner Harbor
Depth: 46ft
Restriction: 38ft
- Project: HOUSTON SHIP CHANNEL
Reach: Brady Island to Turning Basin
Depth: 37ft
Restriction: 34.5ft
- Project: BRAZOS ISLAND HARBOR (Brownsville Ship Channel)
Reach: Main Channel
Depth: 42ft
Restriction: 37ft
- Project: GULF INTRACOASTAL WATERWAY (TRIBUTARIES)
Reach: Mouth of Colorado River

Contracts by Project (click to filter list)

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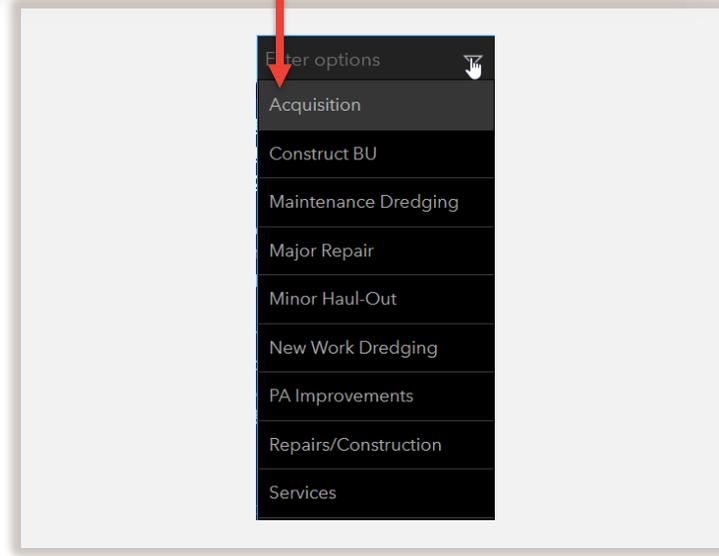
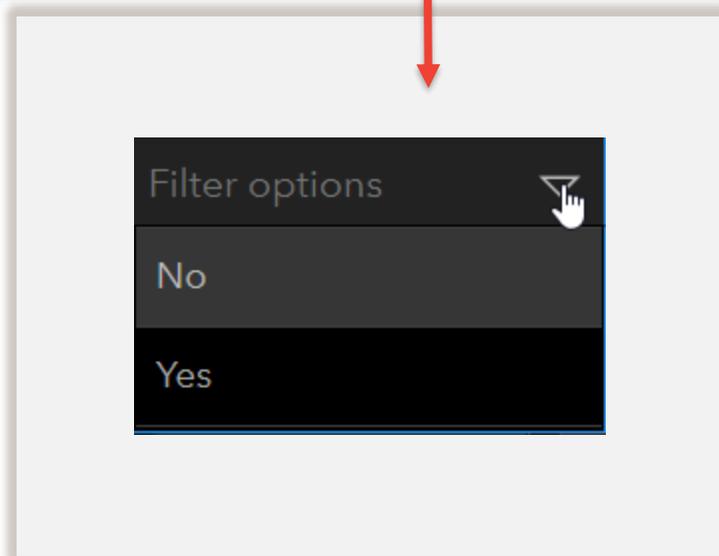
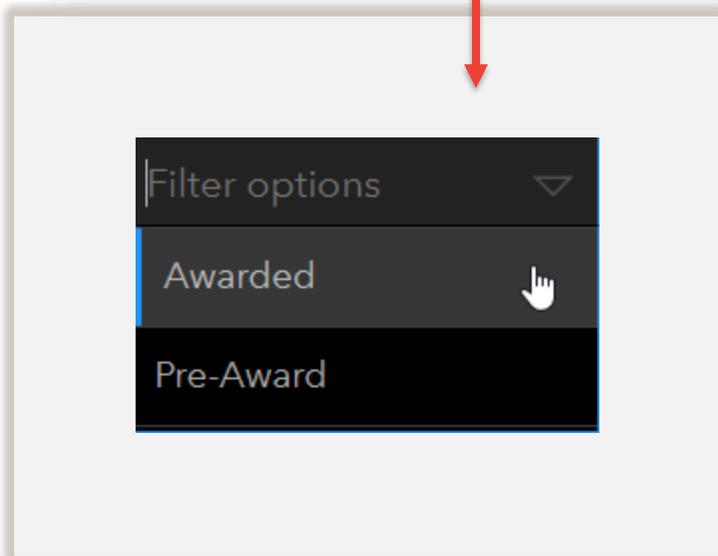
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Last update: 26 minutes ago

- When a contract is selected from the left pane (outlined in red):
 - The Main Map will zoom to the selected contract and flash in purple
 - The right pane (outlined in yellow) will load and display that contract's information

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.

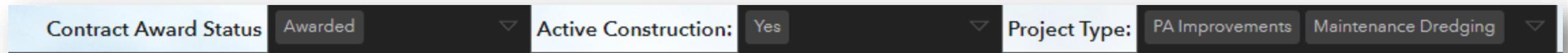


DASHBOARD FUNCTIONALITY: SORTING CONTRACTS BY FILTER

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As an example, the below selection was made:

- **Contract Status:** Awarded
- **Active Construction:** Yes
- **Project Type:** PA Improvements OR Maintenance Dredging
 - Multiple types can be selected at once
 - The result of multiple selections will be an “OR” selection
 - Ex:// The below would show Contracts that are:
 - Awarded, under active construction and **are either** PA Improvements **OR** Maintenance Dredging



DASHBOARD FUNCTIONALITY: VIEWING DRAFT RESTRICTIONS

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

FY16: Channel to Victoria - Maintenance Pipeline Dredging

- Project Area: Channel to Victoria
- Award Status: Awarded
- Contract Type: Maintenance Dredging
- Resident Office: CCRO
- Solicitation Number: W9126G-16-B-0018
- Contract Number: W9126G-16-C-0039
- Contractor: Goodloe Marine
- Active Construction: No
- Est Range: 5-10 million
- Contract Award Amount: 7983465
- Contract Current Amount: 6147750
- Estimated Quantity: 1350000 cubic yards
- Current Quantity: 1725000 cubic yards
- Final Quantity: 1709746 cubic yards
- Dredge: NA
- Dredge Type: P
- Contract Required Depth: 16-ft plus 2-ft
- Issue Solicitation: 4/22/2016 12:00 AM

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

ACTIVE DRAFT RESTRICTIONS

- Project: GALVESTON HARBOR AND CHANNEL
Reach: Galveston Inner Harbor
Proj Depth: 46ft
Restriction: 38ft
- Project: HOUSTON SHIP CHANNEL
Reach: Brady Island to Turning Basin
Proj Depth: 37ft
Restriction: 34.5ft
- Project: BRAZOS ISLAND HARBOR (Brownsville Ship Channel)
Reach: Main Channel
Proj Depth: 42ft

click on draft restriction icon in map for additional information

Contracts by Project (click to filter list)

Last update: an hour ago

- Like the Contracts pane, when a Draft Restriction from the Active Draft Restrictions list on the bottom right panel (outlined in red) is selected:
 - The Main Map will zoom to the selected draft restriction (shown as a yellow triangle with exclamation point) and flash in purple
 - To get more details about the draft restriction, click the triangle icon to show a pop-up with more information.



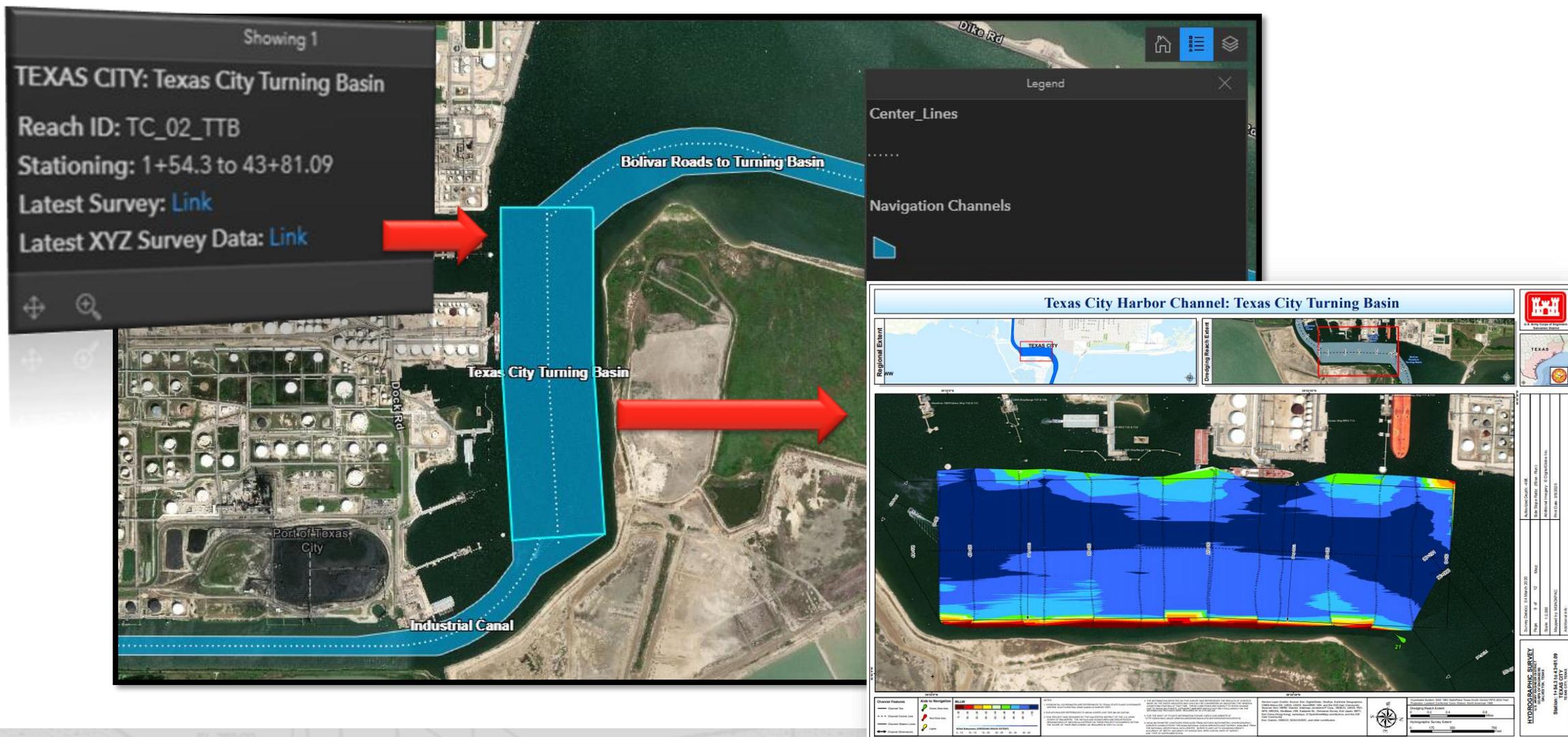
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DASHBOARD FUNCTIONALITY: HYDROGRAPHIC SURVEY DATA

- 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.

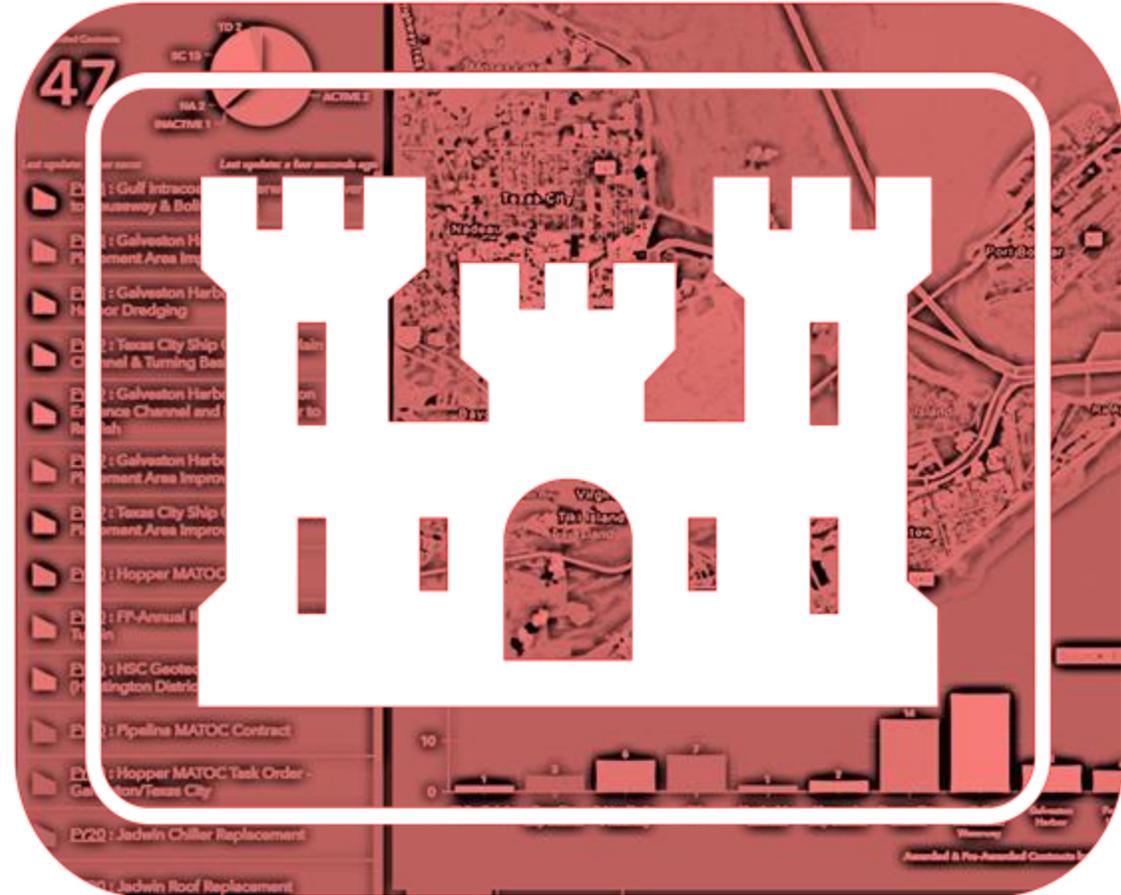


RESOURCES & LINKS

- [Navigation Projects and Contracts Website](#)

Questions and Feedback- Contact the Waterways Management Section at:

- DLL-CESWG-Waterways-Management-Section@usace.army.mil



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