



# U.S. Army Corps of Engineers - Galveston District: Channel Condition Reporting with eHydro

## What is eHydro?

The U.S. Army Corps of Engineers developed eHydro to provide enterprise performance-based analyses and budgeting for coastal navigation channels through geospatial data to be used for, uniform method of data dissemination and comparison of latest conditions on coastal navigation channels.

The Galveston district processes and reports channel condition data through the eHydro reporting process for all high and moderate commercial use channels, followed by low use channels.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN,

- SWG has 247 eHydro reaches
- 113 Deep Draft Channels
- 134 Shallow Draft Channels
- 918 Miles of Channels Surveyed
- 1,889 Surveys uploaded to the NCF

Channel Condition Report  
Galveston Harbor: Todds Shipyards to Pier B (43rd St.)

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER 03-01-2018

To: Navigation Interests From: USACE Galveston District  
P.O. Box 1229 Galveston, TX 77553-1229

REVENUE/OWNER NAME AND STATE GALVESTON TEXAS

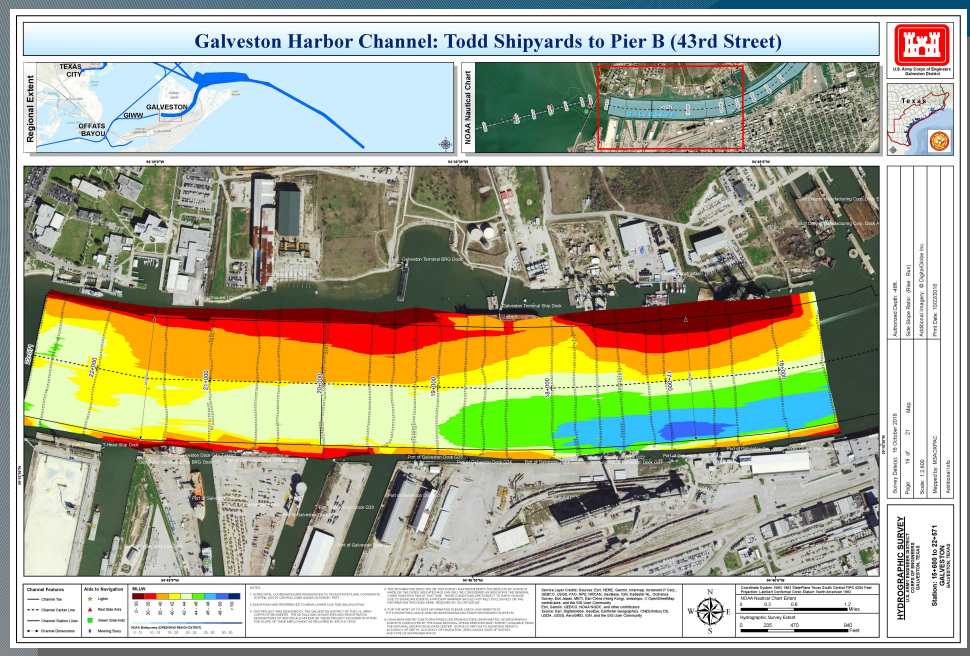
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT	MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD					
			LEFT QUARTER	RIGHT QUARTER	LEFT QUARTER	RIGHT QUARTER		
GALVESTON	02-23-2018	1875	1.3	45	36/43	40/43	40/43	32/43

NOTES: SURVEY NAME GA\_09\_TSR\_20180223\_CS\_06\_MLLM

# Galveston District Hydrographic Survey website

<http://www.swg.usace.army.mil/Missions/Navigation.aspx>

- Source for the latest hydrographic survey channel condition maps (PDF) and survey data (XYZ text file).
- Was utilized by the Texas Coast Joint Hurricane Navigation Restoration Team in response to Hurricane Harvey.
- Provides channel condition information to local stakeholders including the Ports, Pilots, USCG, NOAA and industry.



**GALVESTON DISTRICT HYDROGRAPHIC SURVEY HOMEPAGE**

US Army Corps of Engineers

Hydrographic Surveys Brief

USACE MISSION STATEMENT

Hydrographic Surveys

- Sabine Neches Waterway
- Galveston - Texas City - Houston
- Houston Ship Channel Tributaries
- Freeport Harbor & Brazos Harbor
- Matagorda Ship Channel & Port Lavaca
- Corpus Christi
- Brazos Island Harbor & Port Isabel Channel
- Gulf Intracoastal Waterway - North
- Gulf Intracoastal Waterway - South
- Gulf Intracoastal Waterway Tributaries

Galveston Harbor Index & Maps

Galveston Index Map

PAGES	CHANNEL	Station to Station	Survey Date(s)	PDF Map	XYZ Data
1-3	Extended Entrance Channel	70+000 to 55+440.58	09/09/17	Survey Map	XYZ
4-7	Entrance Channel	55+440.58 to 30+515.474	09/09/17	Survey Map	XYZ
8-9	Outer Bar Channel	30+515.474 to 21+752.822	09/09/17	Survey Map	XYZ
10-12	Inner Bar Channel	21+752.822 to 4+490.072	09/09/17	Survey Map	XYZ
13	Bolivar Roads Channel	4+490.12 to 0+000	09/09/17	Survey Map	XYZ

# USACE National Channel Framework

<http://navigation.usace.army.mil/Survey/Hydro>

The National Channel Framework (NCF) is an enterprise Geographic Information System (eGIS) database providing information about congressionally authorized navigation channels maintained by USACE. Channel alignments and hydrographic survey data consumed by NOAA for update of their Electronic Nautical Charts.

