FY18 Scheduled Contracts
FY19 Planned Contracts

Christopher Frabotta
Chief, Navigation Branch
Galveston District
U.S. Army Corps of Engineers
31 OCT 2017

US Army Corps of Engineers

U.S.ARMY

GALVESTON DISTRICT FACTS

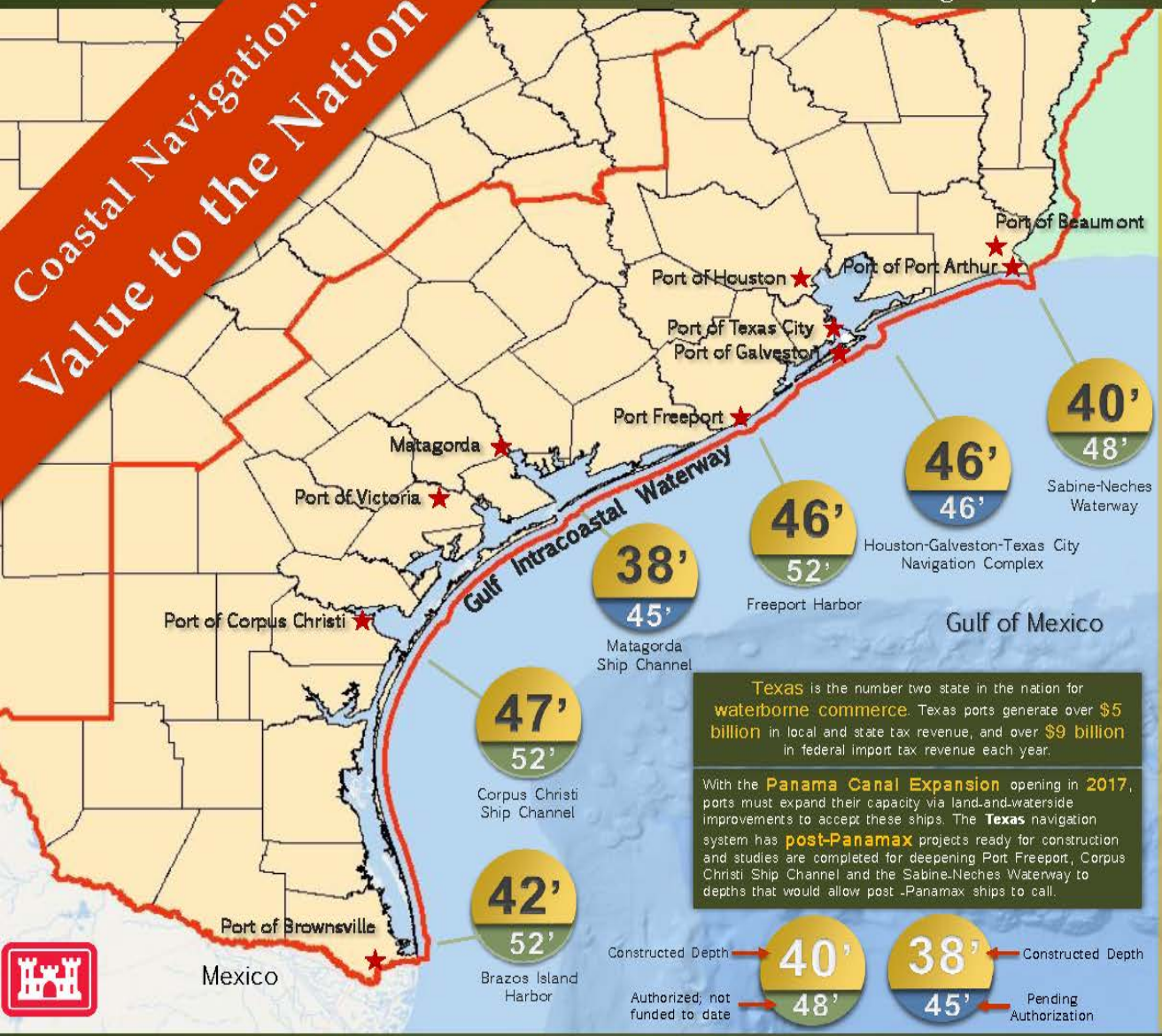
- ✓ Texas #2 in Nation in Maritime Commerce
- ✓ Texas Ports moved 552M+ tons in 2015
- ✓ Galveston District Ports — National Rank
  - ✓ Houston (2)
  - ✓ Beaumont (5)
  - ✓ Corpus Christi (6)
  - ✓ Texas City (15)
  - ✓ Port Arthur (19)
  - ✓ Freeport (32)
  - ✓ Matagorda (46)
  - ✓ Galveston (51)
  - ✓ Brownsville (66)
  - ✓ Victoria (70)

- ✓ Gulf Intracoastal Waterway (3)

- ✓ GIWW-TX 73M+ tons at $43B in 2015
- ✓ >600M tons of Commercial Cargo
- ✓ 21.8% Nation's Total Tonnage
- ✓ 25.4% of Nation's Imports
- ✓ 28.6% of Nation's Exports

Coastal Navigation: Value to the Nation

USACE Southwestern Division Regional Priority



Texas is the number two state in the nation for waterborne commerce. Texas ports generate over $5 billion in local and state tax revenue, and over $9 billion in federal import tax revenue each year.

With the **Panama Canal Expansion** opening in **2017**, ports must expand their capacity via land-and-waterside improvements to accept these ships. The **Texas** navigation system has **post-Panamax** projects ready for construction and studies are completed for deepening Port Freeport, Corpus Christi Ship Channel and the Sabine-Neches Waterway to depths that would allow post -Panamax ships to call.

LEADING U.S. PORTS
(2015 Tonnage)

Houston #2 - 240.9 million tons
#1 Foreign Tonnage & #2 Total Tonnage

Beaumont #5 - 87.2 m.tons
#1 Military Port in World

Gulf Intracoastal Waterway (79 million tons - Texas portion)
#3 Inland Waterway

Corpus Christi #6 - 85.7 m.tons
America's Energy Gateway

Texas City #15 - 42.9 m.tons
Services Largest Petrochemical Complex

Port Arthur #19 - 35.8 m.tons
Vital Break-Bulk Port

Freeport #32 - 21.1 m.tons
Connecting Global Services Via Caribbean Relay Port

Matagorda to include Port of Port Lavaca and Port of Point Comfort #46 - 11.8 m. tons
Generates Annual Business Revenues of Nearly $2 Billion

Galveston #51 - 10.4 m.tons
#4 Cruise Ship Port

Brownsville #66 - 7.7 m.tons
#1 Ship Recycling Port

Victoria (#70 - 6.7 m.tons)
#2 Shallow-Draft Port for Domestic Crude Petroleum

U.S. Army Corps of Engineers Galveston District

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US Army Corps of Engineers.

BUILDING STRONG®

GALVESTON NAVIGATION OM FUNDING

FY-17 Execution

President's Budget (less %1)	$106,737,000
FY-17 Allocation	$128,037,000
Carry-in	$ 13,727,000
Available to Obligate	$141,764,000
Obligated	~$120,000,000
Percent Execution	~85%

FY-18 Funding Outlook

President's Budget	$109,442,000
Carry-in	$ 13,727,000
Total Anticipated	$121,542,000

FY-18 INITIATIVES

- **Continue Hydrographic Survey Webpage**
  - All six (6) Deep Draft Navigation Complexes & Gulf Intracoastal Waterway now online
  - http://www.swg.usace.army.mil/Missions/Navigation.aspx
- **Continue with TCOON Partnership with NOAA**
  - Add Matagorda Ship Channel current meter
- **Complete Re-Spacing & Deployment of new GIWW Mooring Buoys**
- **Construct non-Federal Placement Area Capacity**
  - Corpus Christi (PA-13)
  - Freeport Harbor (PA-1)
  - Sabine-Neches Waterway (PA-8)

Operations Managers

U.S. ARMY CORPS OF ENGINEERS
ESTABLISHED 1880
GALVESTON DISTRICT

OPERATIONS MANAGERS

Belynda Kinman
Tricia Campbell
Aron Edwards
Steve Howard
Seth Jones
Ashton Burgin
Eric Russek

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Sabine-Neches Waterway

Belynda Kinman
Operations Manager
Navigation Branch
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

US Army Corps of Engineers
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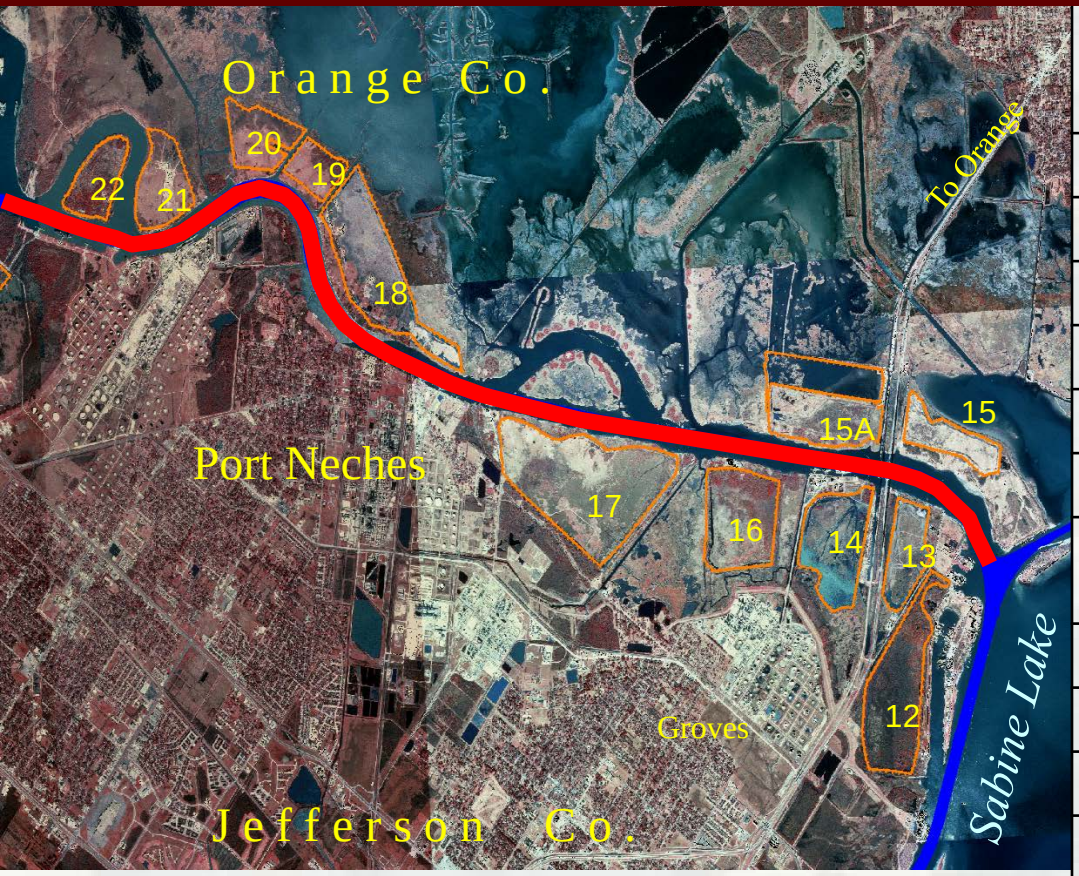
DEEP DRAFT
FY18 CONTRACT SCHEDULES

Sabine-Neches Waterway

SABINE-NECHES WATERWAY – LOWER NECHES, PORT ARTHUR CANAL,TURNING BASIN, JUNCTION AREA AND TAYLORS BAYOU



Project:	Lower Neches, Port Arthur Canal, Turning Basin, Junction & Taylors Bayou
Dredging Depth:	42 ft. Required Depth
Dredging Width:	400 - 1200 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	PA 13 - 17
Distance to Place Area:	1 - 3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Start Date:	June 28, 2018
Est. Completion Date:	January 26, 2019

SABINE-NECHES WATERWAY – LOWER NECHES, PORT ARTHUR CANAL,TURNING BASIN, JUNCTION AREA AND TAYLORS BAYOU

Project:	Lower Neches, Port Arthur Canal, Turning Basin, Junction & Taylors Bayou
Dredging Depth:	42 ft. Required Depth
Dredging Width:	400 - 1200 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	PA 8 and PA 9
Distance to Place Area:	1.5 - 2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Start Date:	June 28, 2018
Est. Completion Date:	January 26, 2019

SABINE-NECHES WATERWAY
OUTER BAR AND BANK CHANNEL

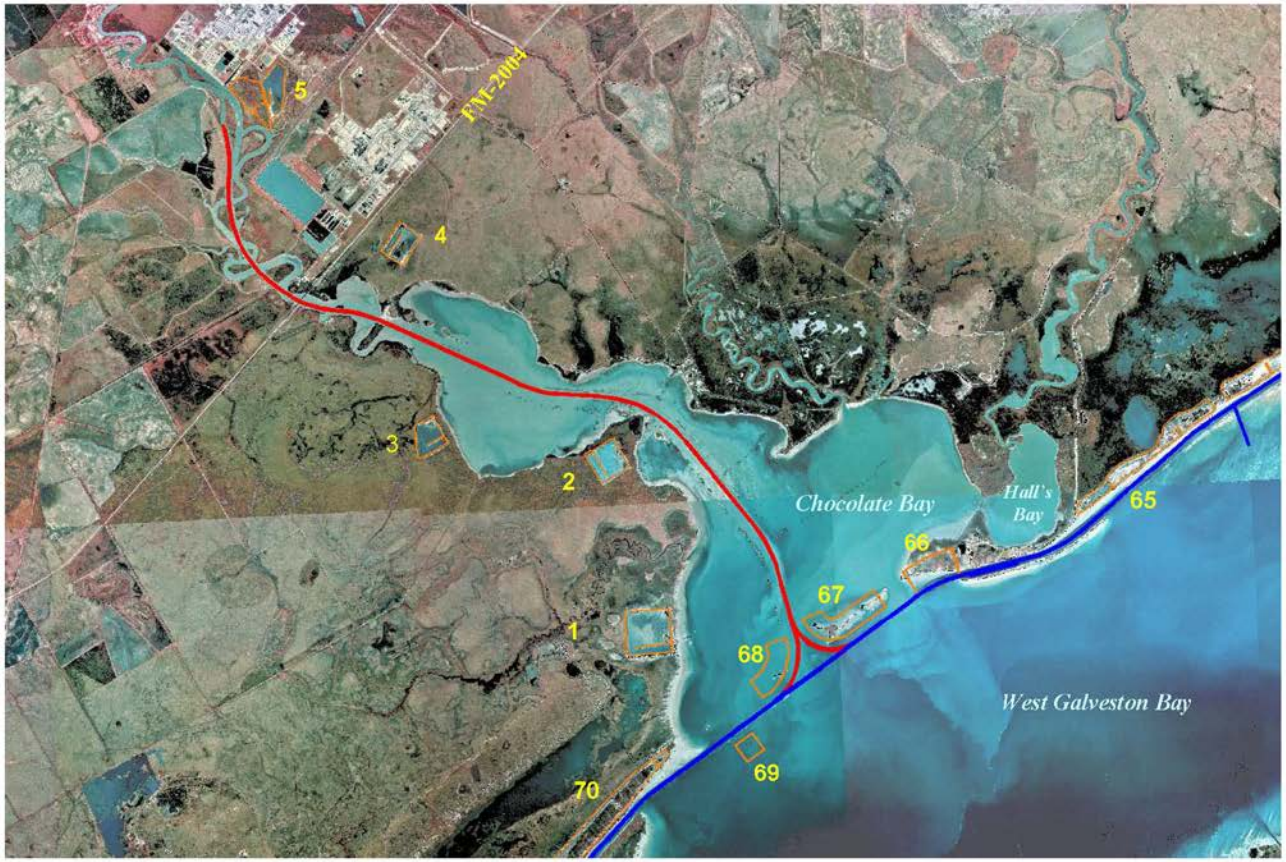
Project:	**Sabine Neches Waterway Outer Bar and Bank Channel**
Dredging Depth:	44 ft. Required Depth
Dredging Width:	800 ft.
Dredging Length:	Varies
Dredging Quantity:	3,000,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	Offshore
Distance to Placement Area:	3 Mile Avg.
Type of Equipment:	Hopper
Env. Window	NA
Reason for Window:	NA
Start Date:	July 11, 2018
Est. Completion Date:	November 10, 2018

SABINE-NECHES WATERWAY
PLACEMENT AREA NO. 8 IMPROVEMENTS

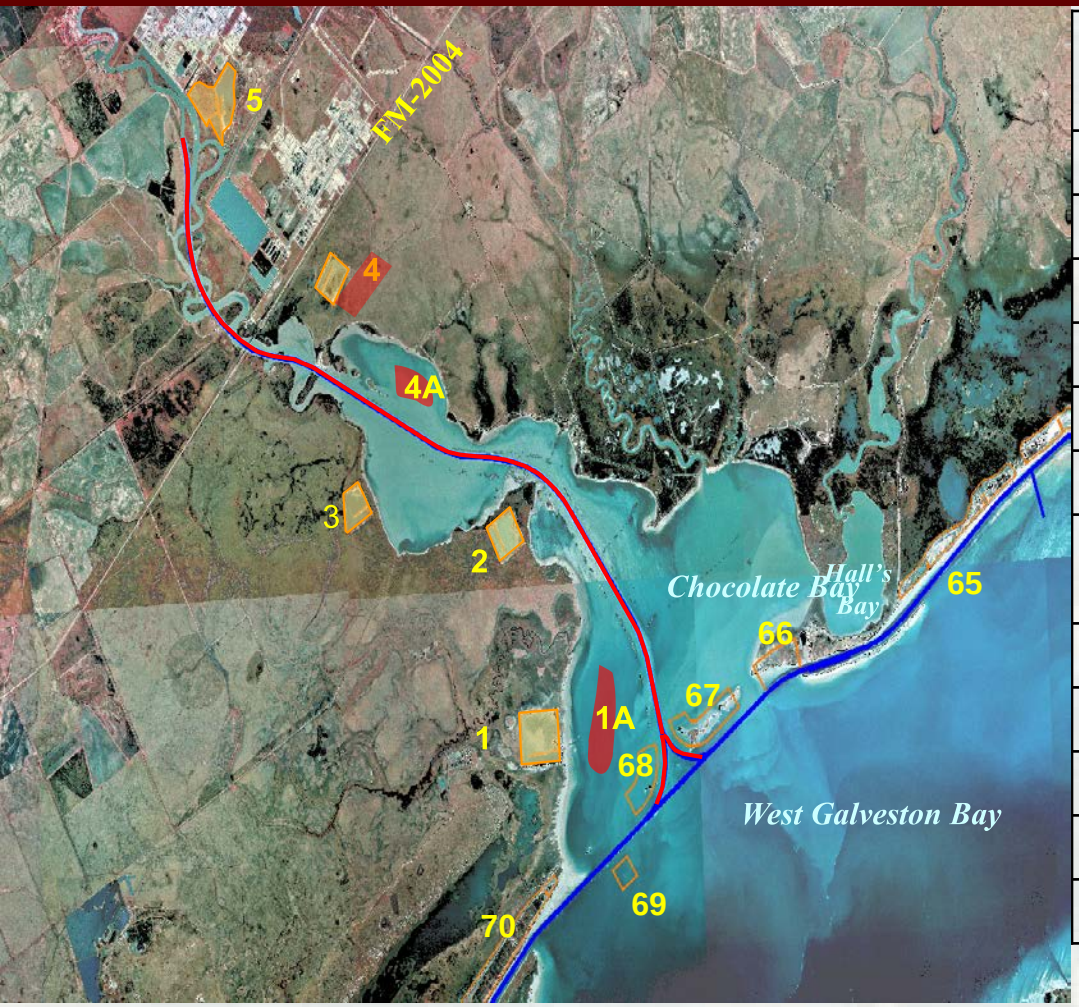
Project:	Sabine Neches Waterway Placement Area No. 8 Improvements
Type of Work:	Containment Dike Raise
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	PA 8
Distance to Placement Area:	NA
Type of Equipment:	Excavators; Dozers; Marsh Buggy
Env. Window:	NA
Reason for Window:	NA
Start Date:	July 20, 2018
Est. Completion Date:	January 16, 2019

SHALLOW DRAFT – GIWW TRIBUTARIES
CHOCOLATE BAYOU

US Army Corps of Engineers®
Galveston District



CHOCOLATE BAYOU



Project:	Chocolate Bayou
Dredging Depth:	15 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	700,000 cubic yards
Material Type:	Silt/Sand
Placement Area:	BU / Upland Confined
Distance to Placement Area:	1.5 Mile Avg.
Type of Equipment:	Pipeline Dredge
Env. Window:	1 March – 31 August
Reason for Window:	Nesting birds at BU Site
Start Date:	June 11, 2018
Est. Completion Date:	February 6, 2019

DEEP DRAFT
FY19 PLANNED CONTRACT SCHEDULES

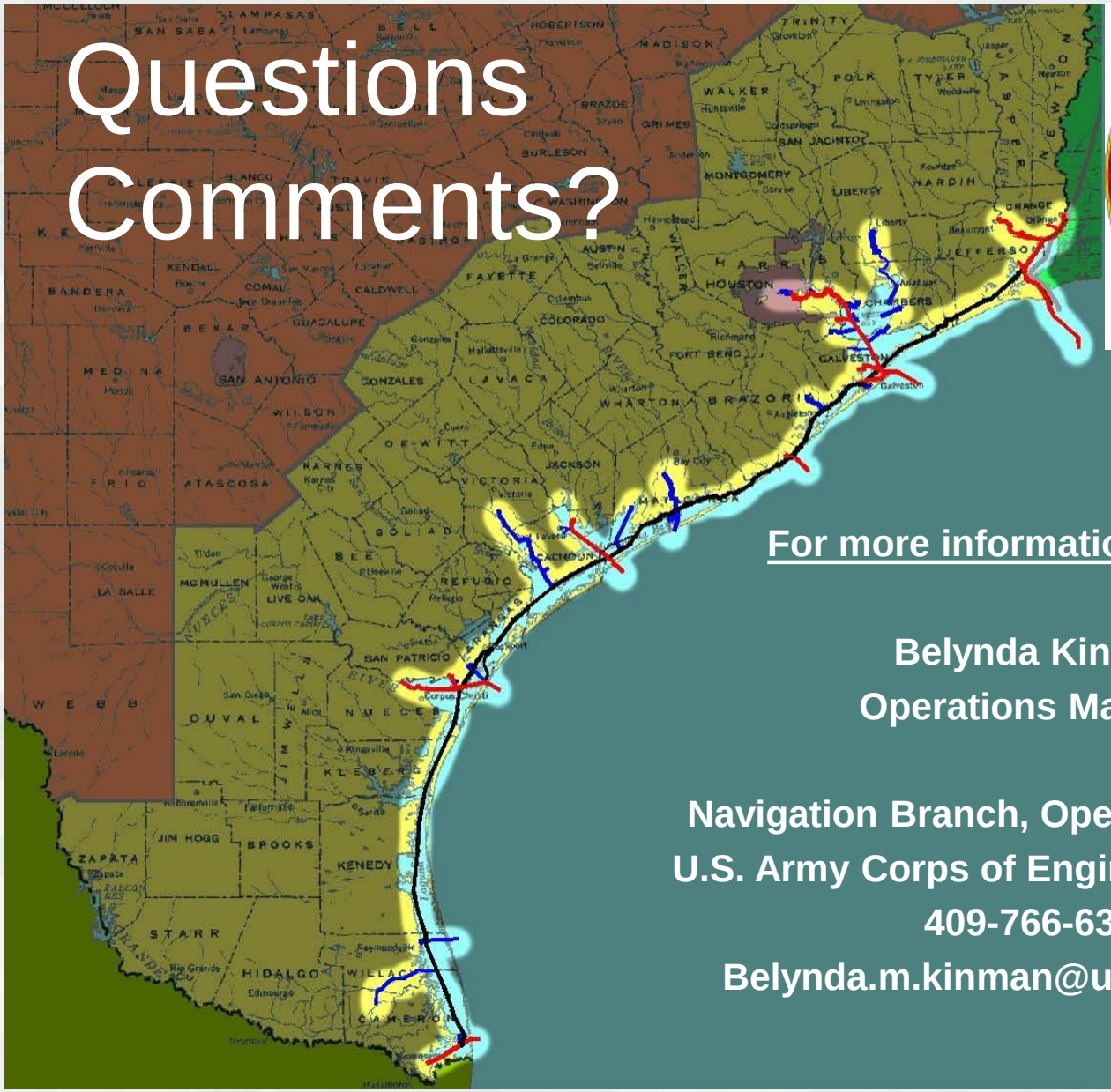
SABINE-NECHES WATERWAY
NECHES RIVER

Project:	Sabine-Neches Waterway Neches River
Dredging Depth:	42 ft. Required Depth
Dredging Width:	Varies
Dredging Length:	Varies
Dredging Quantity:	600,000 cubic yards
Material Type:	Silt
Placement Area:	Various Upland PAs
Distance to Placement Area:	1- 2 Miles
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	February 12, 2019

SABINE-NECHES WATERWAY
PORT ARTHUR CANAL,TURNING BASIN, JUNCTION AREA AND TAYLORS BAYOU

Project:	Sabine-Neches Waterway Port Arthur Canal, Turning Basin, Junction Area and Taylors Bayou
Dredging Depth:	42 ft. Required Depth
Dredging Width:	400 - 1200 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Silt/Clay
Placement Area:	PA 8 and PA 9
Distance to Place Area:	1.5 - 2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	September 10, 2019

Questions Comments?



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GALVESTON DISTRICT

For more information, contact:

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U.S. Army Corps of Engineers, Galveston
409-766-6323
Belynda.m.kinman@usace.army.mil

Galveston Harbor and Channel & Houston Ship Channel

Tricia Campbell, P.E.
Operations Manager
Navigation Branch
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

US Army Corps of Engineers
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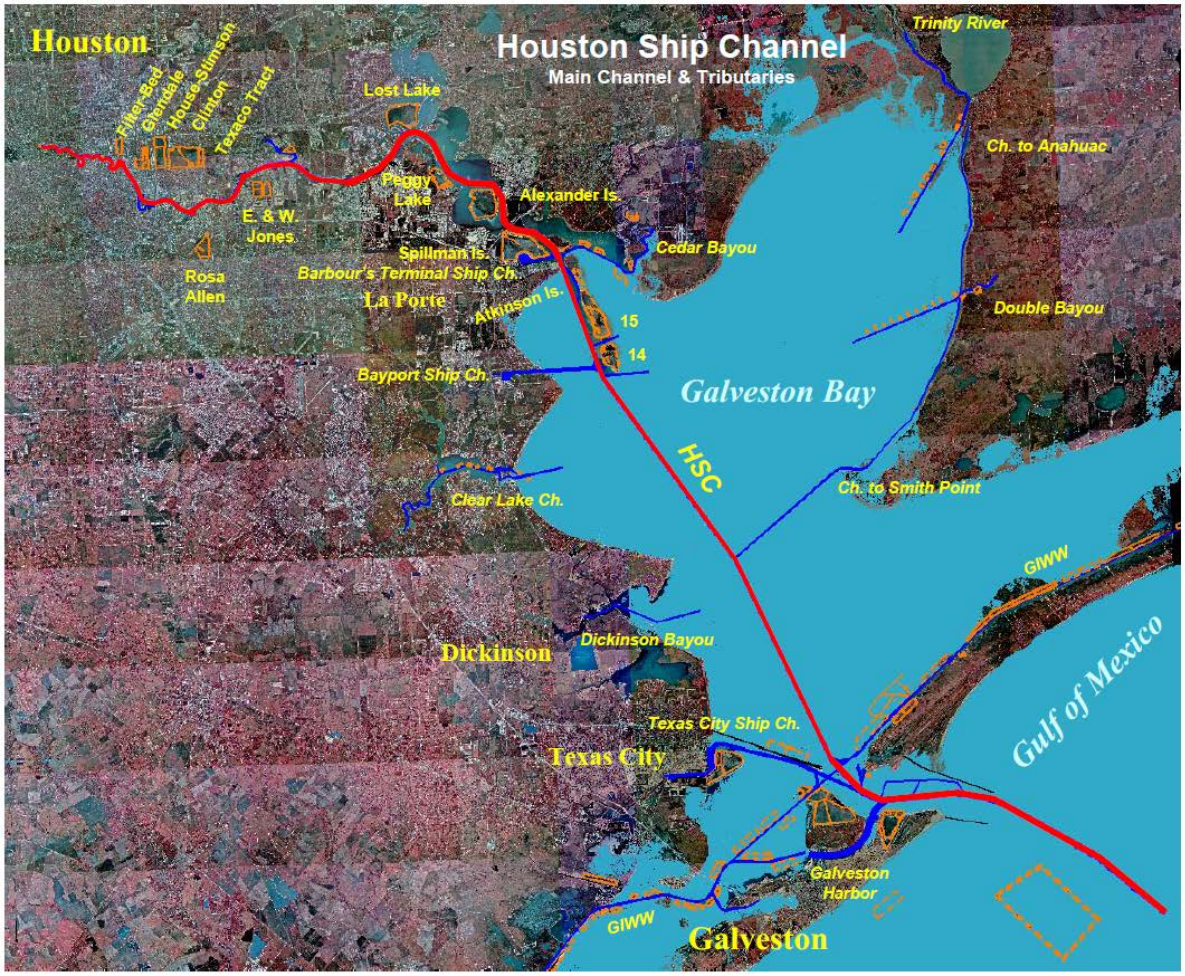
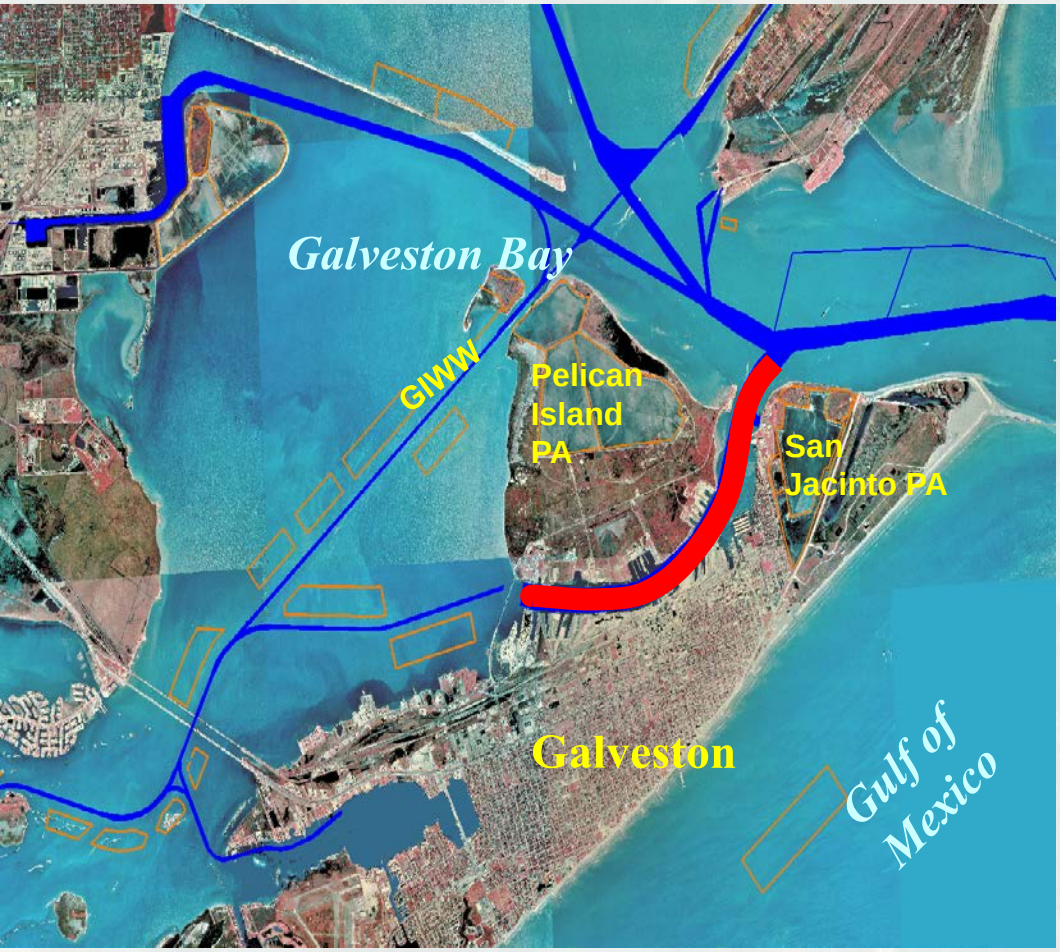
DEEP DRAFT
FY18 CONTRACT SCHEDULES

HOUSTON SHIP CHANNEL – GALVESTON HARBOR
TEXAS CITY SHIP CHANNEL

US Army Corps of Engineers®
Galveston District

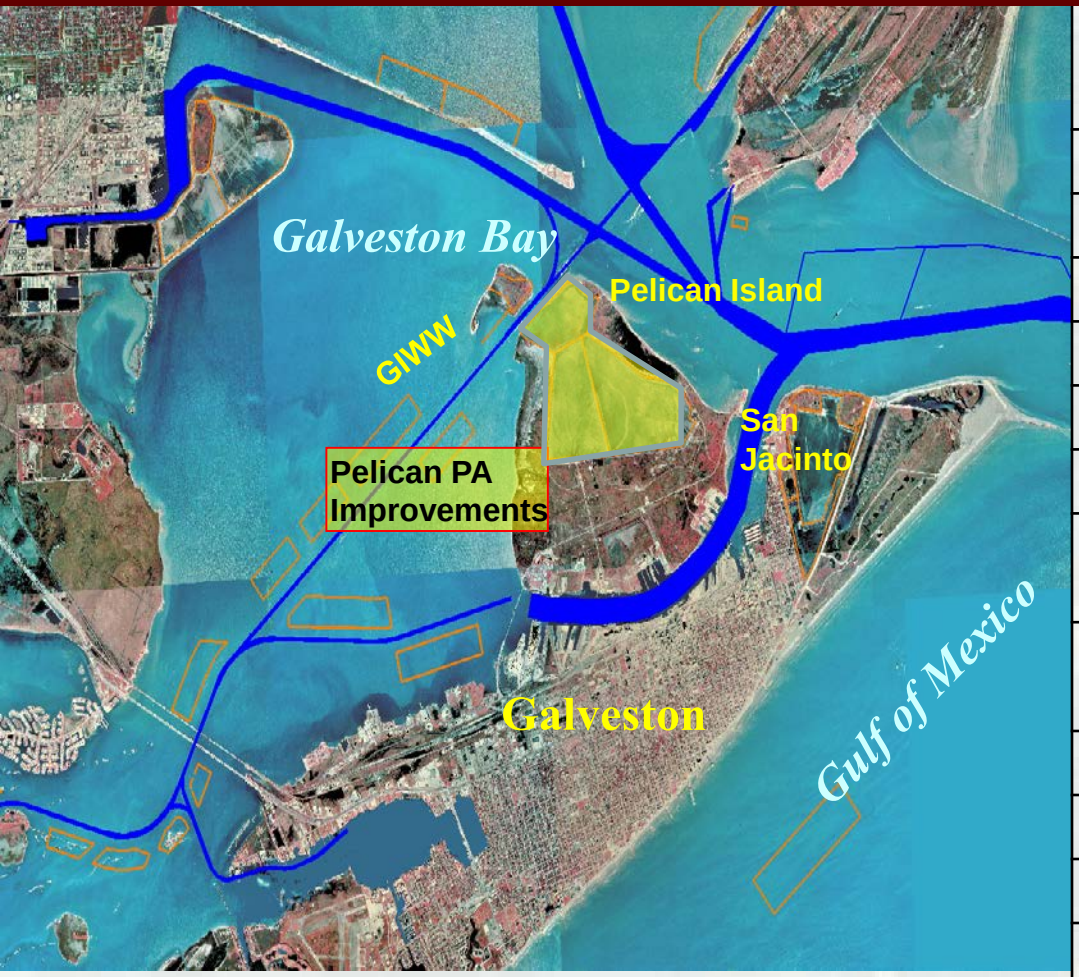


GALVESTON HARBOR



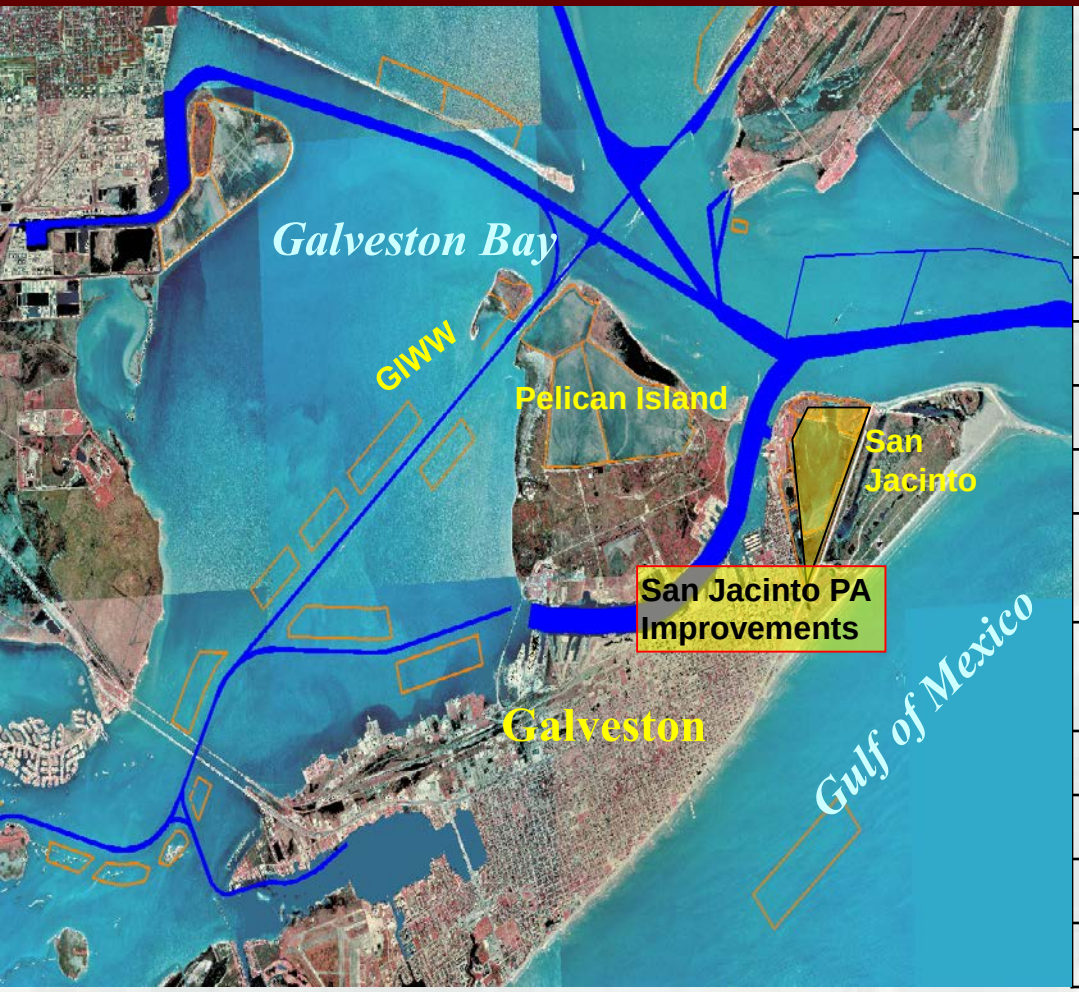
Project:	**Galveston Harbor Channel**
Dredging Depth:	41 - 46 ft. Required Depth
Dredging Width:	Varies
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Silt
Placement Area:	Offshore
Distance to Place Area:	8 Miles Avg.
Type of Equipment:	Hopper Dredge
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 9, 2018
Est. Completion Date:	December 28, 2018

GALVESTON HARBOR – PELICAN ISLAND PLACEMENT AREA IMPROVEMENTS



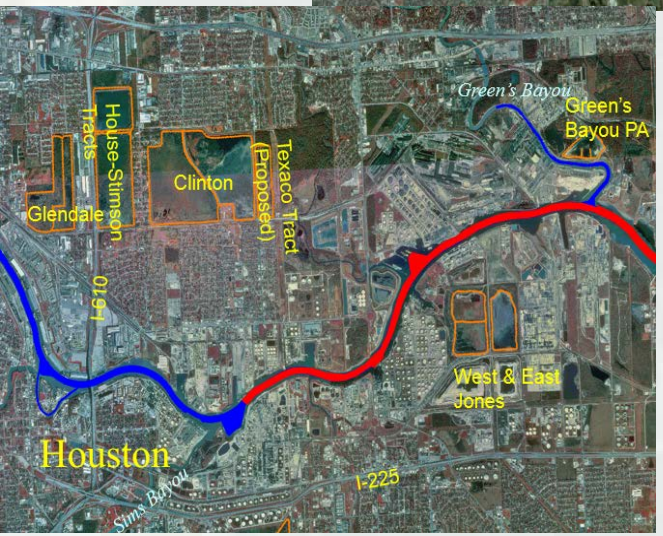
Project:	Galveston Harbor – Pelican Island Placement Area Improvements
Type of Work:	Improvements
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Pelican Island
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	November 15, 2018
Est. Completion Date:	September 11, 2019

GALVESTON HARBOR – SAN JACINTO PLACEMENT AREA IMPROVEMENTS



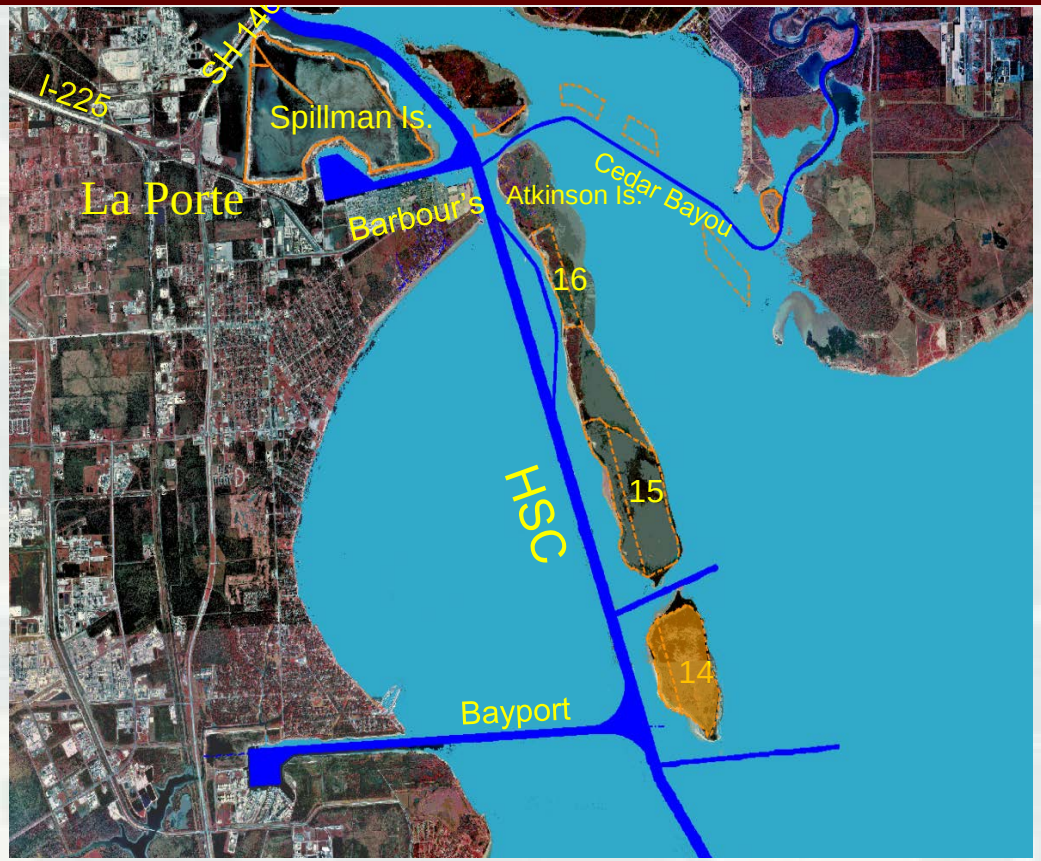
Project:	Galveston Harbor – San Jacinto Placement Area Improvements
Type of Work:	Improvements
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	San Jacinto
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	November 15, 2018
Est. Completion Date:	September 11, 2019

HOUSTON SHIP CHANNEL – CARPENTERS BAYOU TO SIMS BAYOU EMERGENCY DREDGING



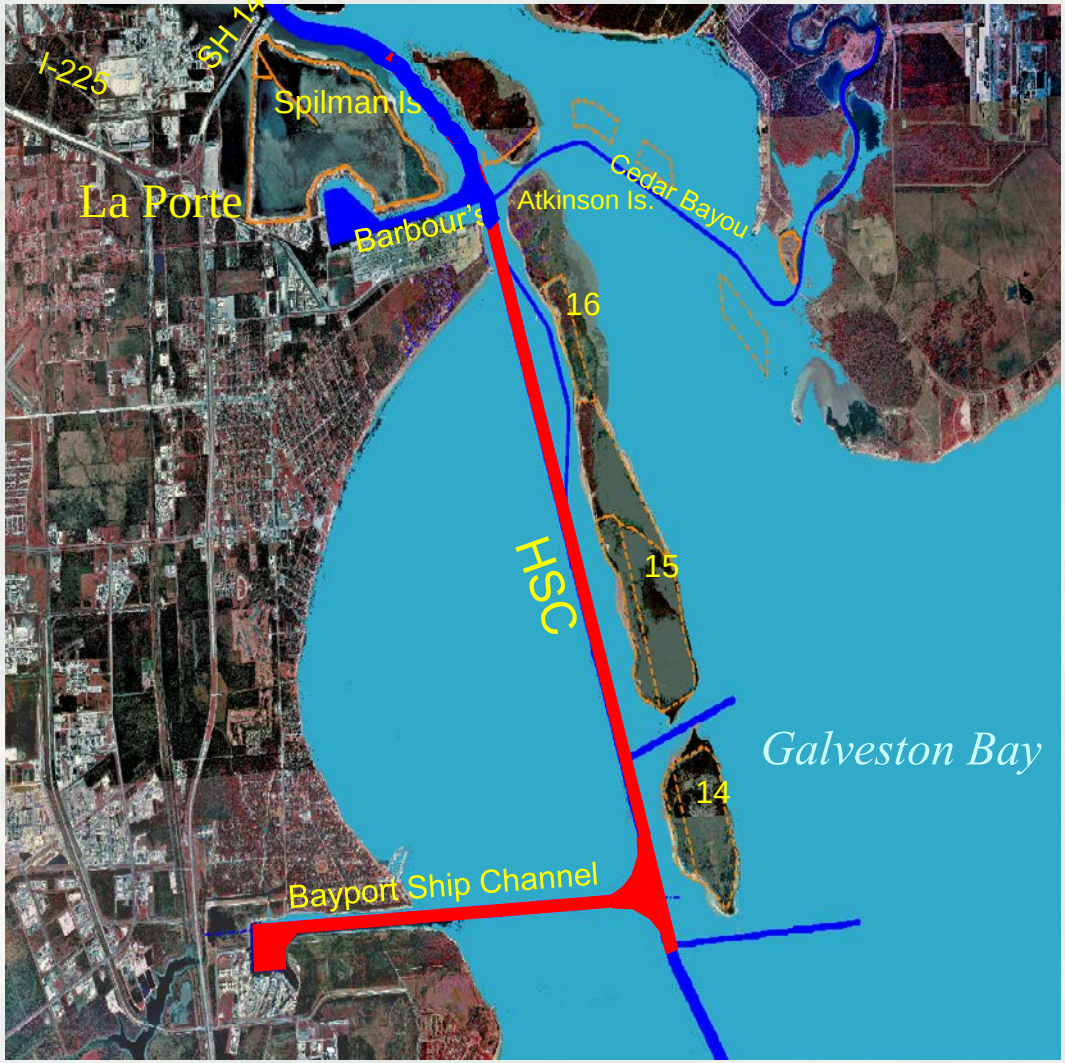
Project:	Houston Ship Channel Carpenters Bayou to Sims Bayou Emergency Dredging
Dredging Depth:	48 ft./43 ft. Required Depth
Dredging Width:	300 - 950 ft.
Dredging Length:	Varies
Dredging Quantity:	500,000 cubic yards
Material Type:	Silt
Placement Area:	Lost Lake & Rosa Allen
Distance to Place Area:	5 Miles
Type of Equipment:	Pipeline Dredge
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	February 10, 2018
Est. Completion Date:	July 30, 2018

HOUSTON SHIP CHANNEL
PLACEMENT AREA NO. 14 DEWATERING



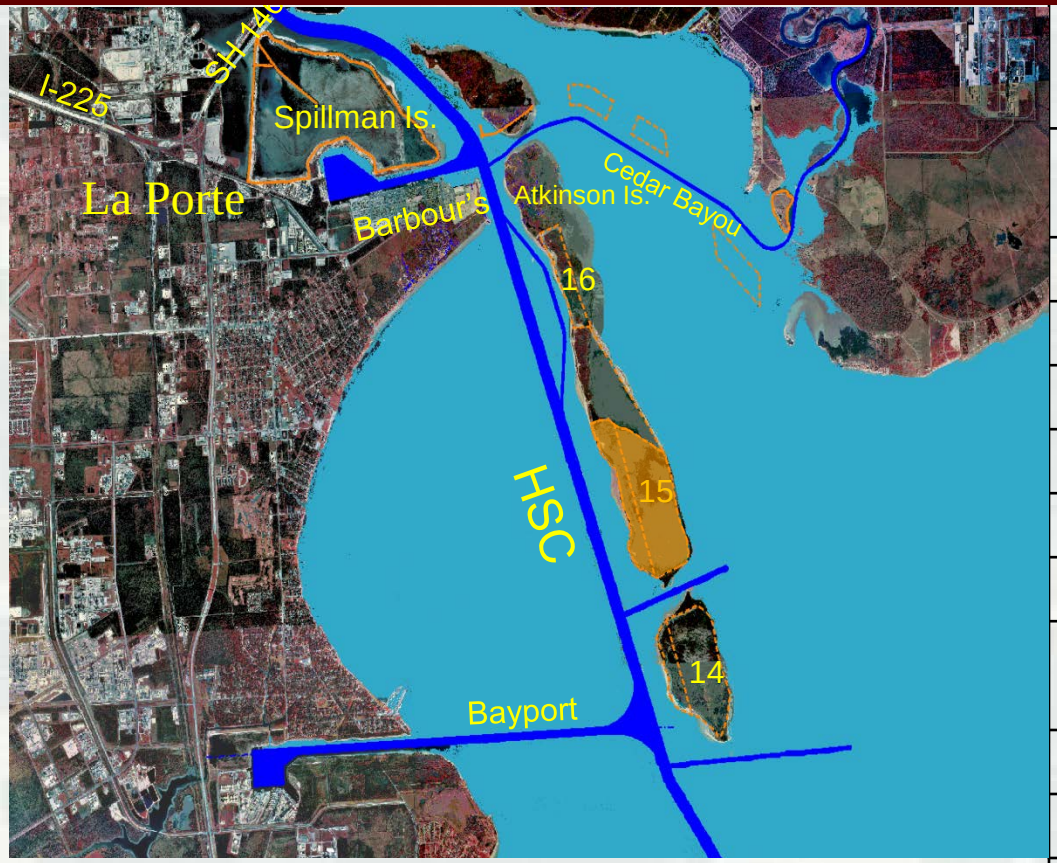
Project:	Houston Ship Channel Placement Area No. 14 Dewatering
Type of Work:	Placement Area Dewatering
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	
Placement Area:	PA 14
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	August 31, 2018
Est. Completion Date:	February 27, 2019

HOUSTON SHIP CHANNEL – BAYPORT TO MORGANS AND BAYPORT



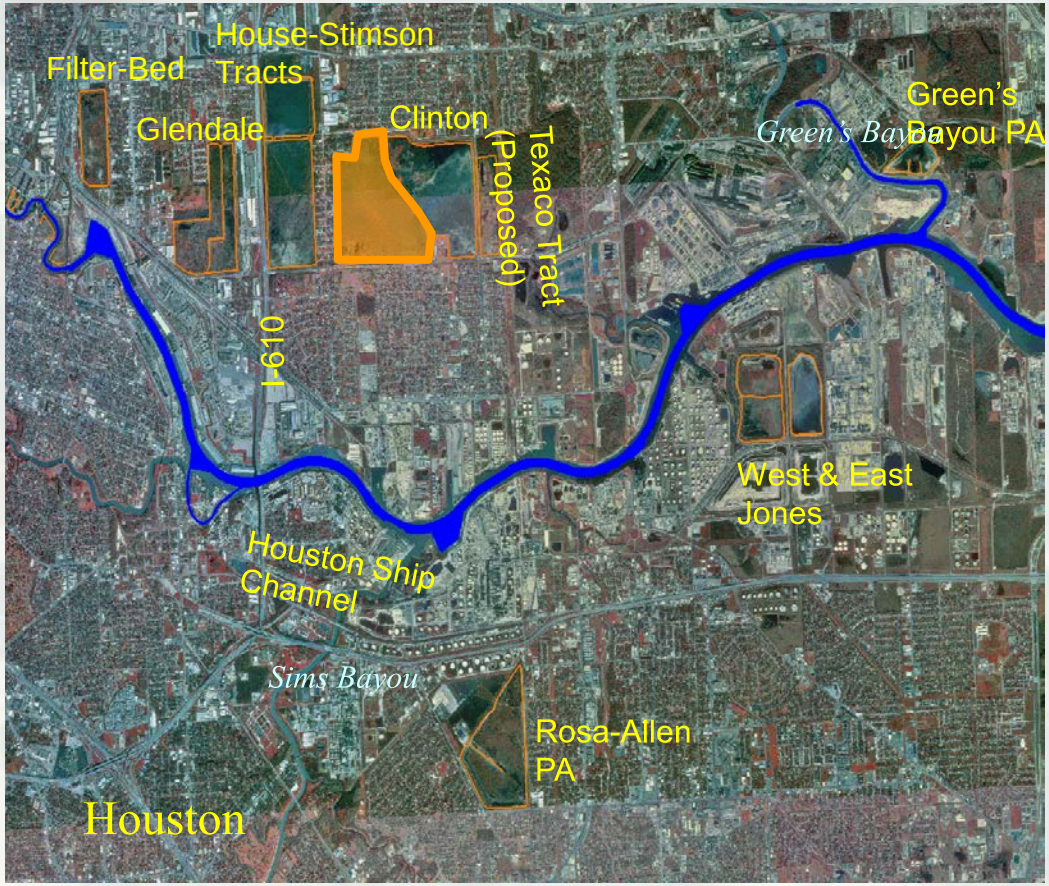
Project:	Houston Ship Channel Bayport Flare and Bayport to Morgan's Point
Dredging Depth:	48 ft. Required Depth
Dredging Width:	300 - 530 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Silt
Placement Area:	PA14 and 15; Marsh Cells
Distance to Place Area:	4 Mile Avg.
Type of Equipment:	Pipeline Dredge
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	August 31, 2018
Est. Completion Date:	May 28, 2019

HOUSTON SHIP CHANNEL - PLACEMENT AREA NO. 15 SPILLBOX REPAIR & DEWATERING



Project:	**Houston Ship Channel - Placement Area No. 15 Spillbox Repair & Dewatering**
Type of Work:	Spillbox Repair/Dewatering
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	
Placement Area:	PA 15
Distance to Place Area:	NA
Type of Equipment:	Crane/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	October 11, 2018
Est. Completion Date:	April 9, 2019

HOUSTON SHIP CHANNEL – WEST CLINTON PLACEMENT AREA IMPROVEMENTS

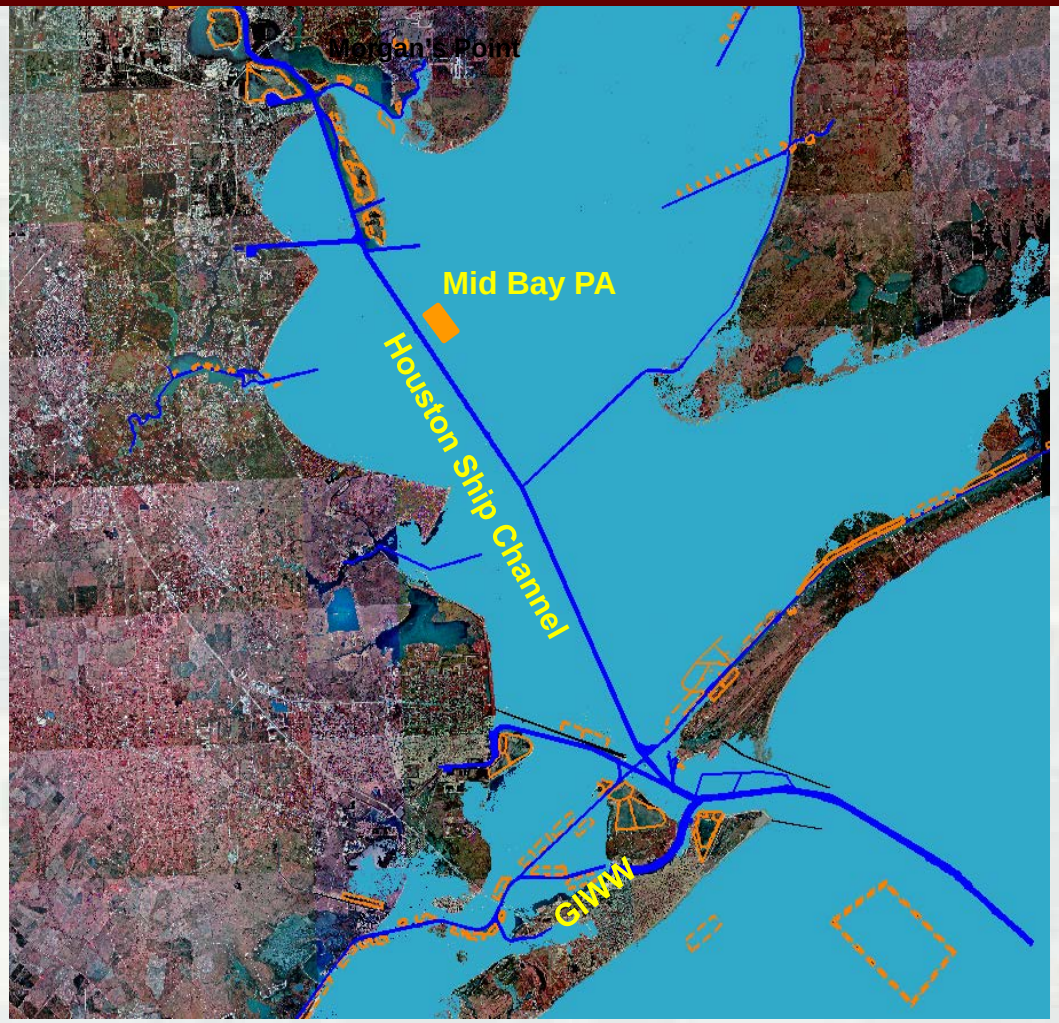


Project:	Houston Ship Channel West Clinton Improvements
Type of Work:	Containment Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	West Clinton
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	October 5, 2018
Est. Completion Date:	October 5, 2019

HOUSTON SHIP CHANNEL
MORGAN'S POINT TO EXXON

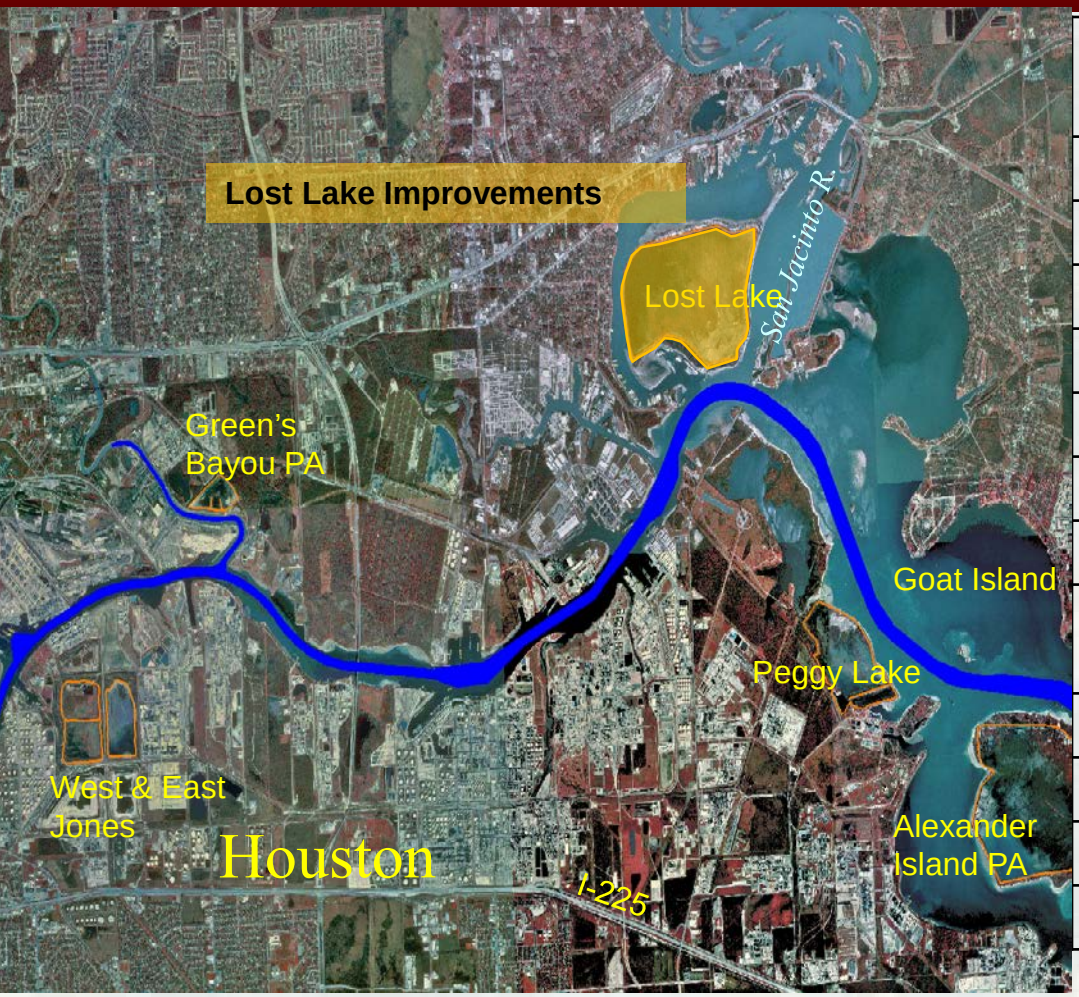
Project:	**Houston Ship Channel - Morgan's Point to Exxon**
Dredging Depth:	48 ft. Required Depth
Dredging Width:	530 – 600 ft.
Dredging Length:	Varies
Dredging Quantity:	1,400,000 cubic yards
Material Type:	Silt
Placement Area:	Alexander Island
Distance to Place Area:	3 Mile Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Est. Start Date:	October 26, 2018
Est. Completion Date:	July 23, 2019

HOUSTON SHIP CHANNEL
MID BAY PLACEMENT AREA IMPROVEMENTS



Project:	Houston Ship Channel Mid Bay PA Improvements
Type of Work:	Containment Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Mid Bay
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/ Excavation Equipment
Env. Window:	August 31-March 1 (open)
Reason for Window:	Migratory Birds
Est. Start Date:	November 3, 2018
Est. Completion Date:	August 30, 2019

HOUSTON SHIP CHANNEL
LOST LAKE PA IMPROVEMENT



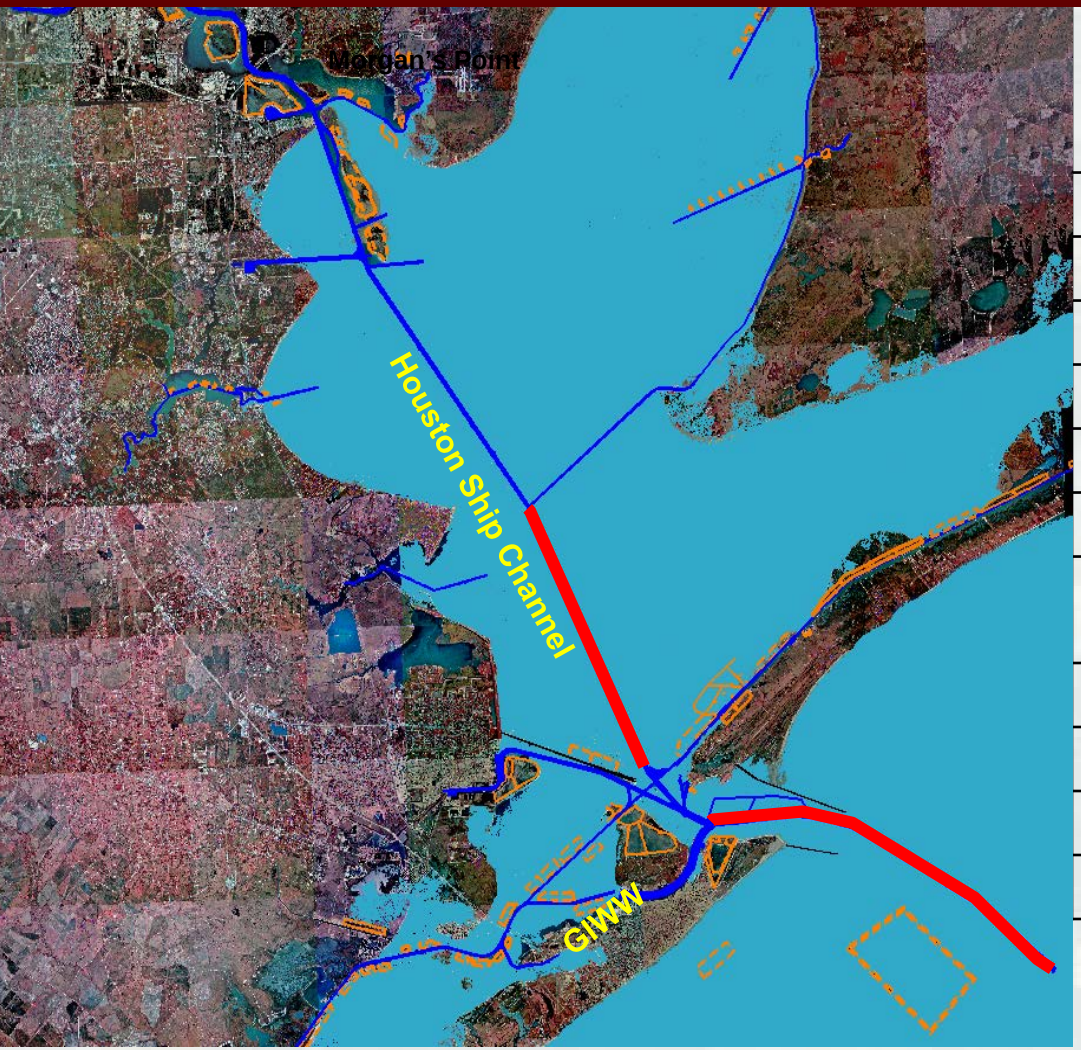
Project:	Houston Ship Channel Lost Lake PA Improvements
Type of Work:	Containment Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	NA
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/ Excavation Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	November 12, 2018
Est. Completion Date:	November 7, 2019

HOUSTON SHIP CHANNEL
ALEXANDER ISLAND PA IMPROVEMENTS

Project:	Houston Ship Channel Alexander Island Improvements
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Alexander Island PA
Distance to Place Area:	NA
Type of Equipment:	Marsh Buggy/ Excavation Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	November 15, 2018
Est. Completion Date:	September 11, 2019

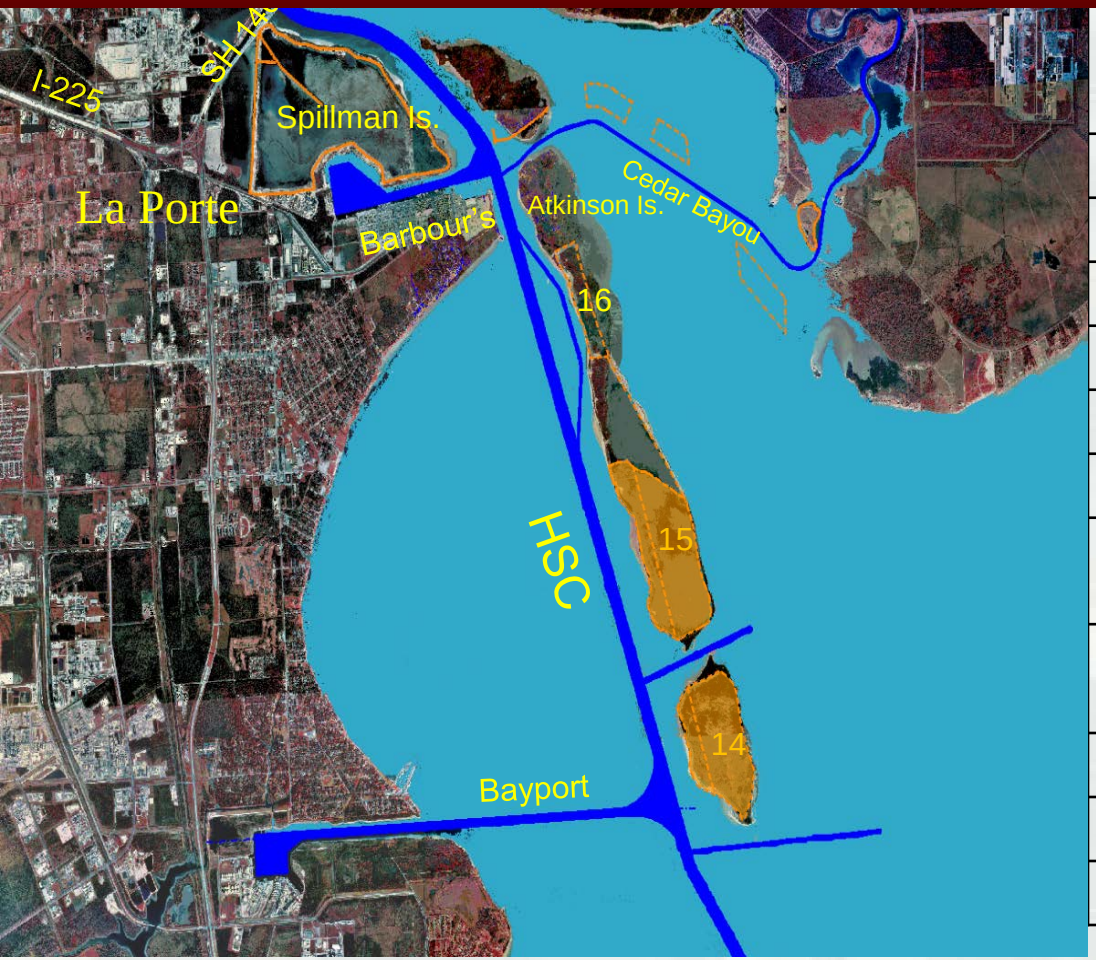
DEEP DRAFT
FY19 PLANNED CONTRACT SCHEDULES

GALVESTON HARBOR - GALVESTON ENTRANCE CHANNEL AND HSC - BOLIVAR ROADS TO REDFISH



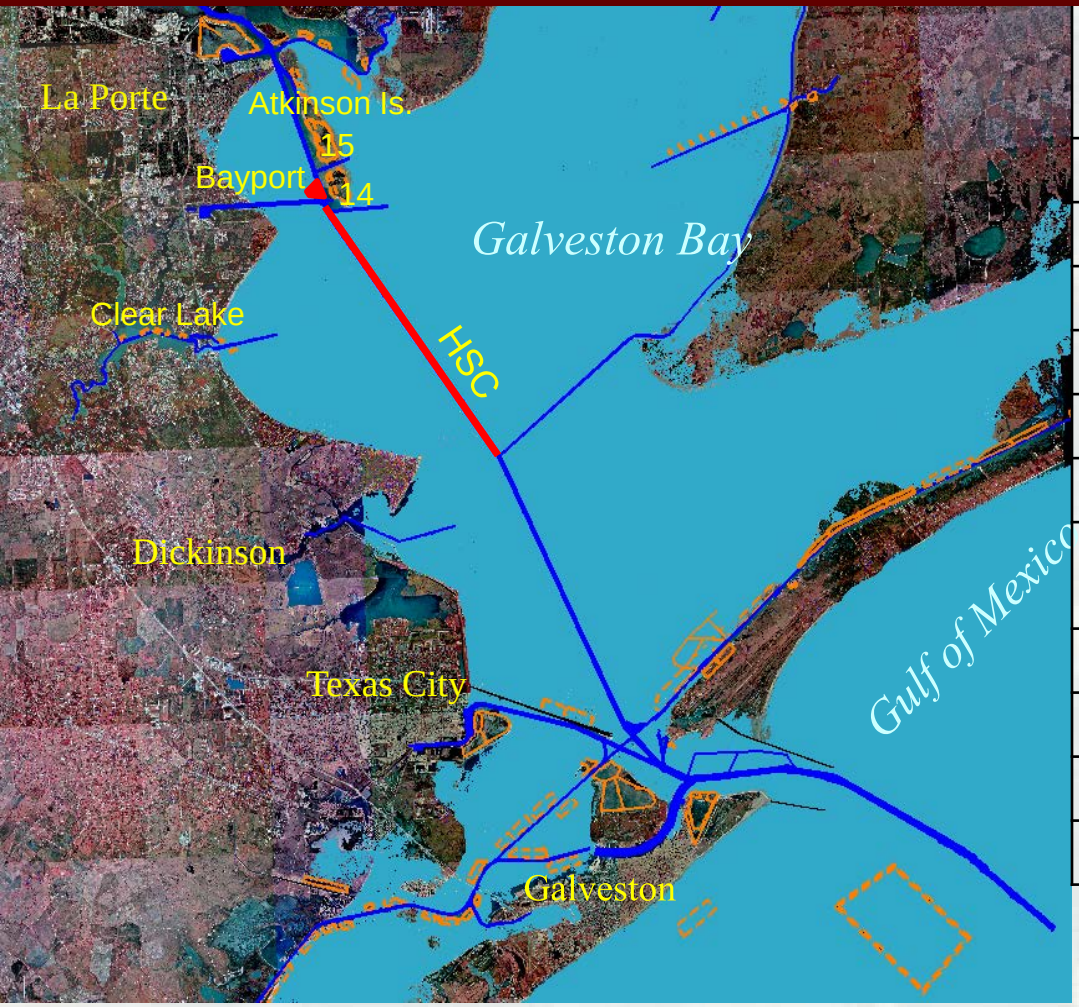
Project:	Galveston Harbor - Galveston Entrance Channel and Houston Ship Channel - Bolivar Roads to Redfish
Dredging Depth:	48 - 50 ft. Required Depth
Dredging Width:	530 – 1,000 ft.
Dredging Length:	17 miles
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Sand / Silt
Placement Area:	Offshore
Distance to Place Area:	1 - 15 Mile
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Award:	January 15, 2019

HOUSTON SHIP CHANNEL – PLACEMENT AREA NO. 14 & 15 DIKE RAISE



Project:	Houston Ship Channel Placement Area No. 14 & 15 Dike Raise
Type of Work:	Containment Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	
Placement Area:	PA 14 & 15
Distance to Place Area:	NA
Type of Equipment:	Crane/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Award:	October 15, 2018

HOUSTON SHIP CHANNEL – REDFISH TO BEACON 78 WITH BAYPORT FLARE

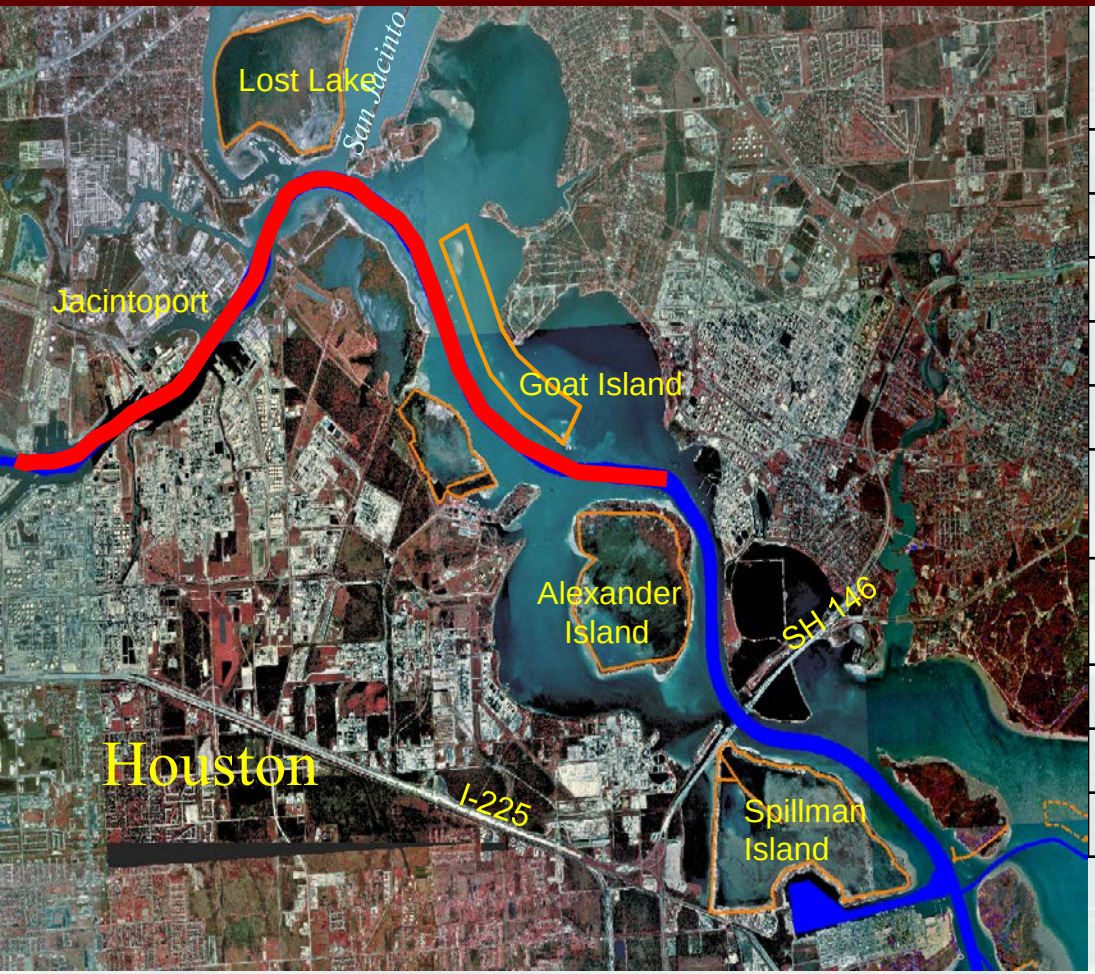


Project:	Houston Ship Channel Redfish to Beacon 78 with Bayport Flare
Dredging Depth:	48 ft. Required Depth
Dredging Width:	530 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Sand
Placement Area:	Offshore
Distance to Place Area:	Varies
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Award:	February 15, 2019

HOUSTON SHIP CHANNEL – BOGGY BAYOU TO GREENS BAYOU AND GREENS BAYOU

Project:	Houston Ship Channel Boggy Bayou to Greens Bayou and Greens Bayou
Dredging Depth:	38 - 43 ft. Required Depth
Dredging Width:	300 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Silt
Placement Area:	Lost Lake/Clinton
Distance to Place Area:	5 Miles
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	March 15, 2019

HOUSTON SHIP CHANNEL – EXXON TO BOGGY BAYOU AND JACINTOPORT

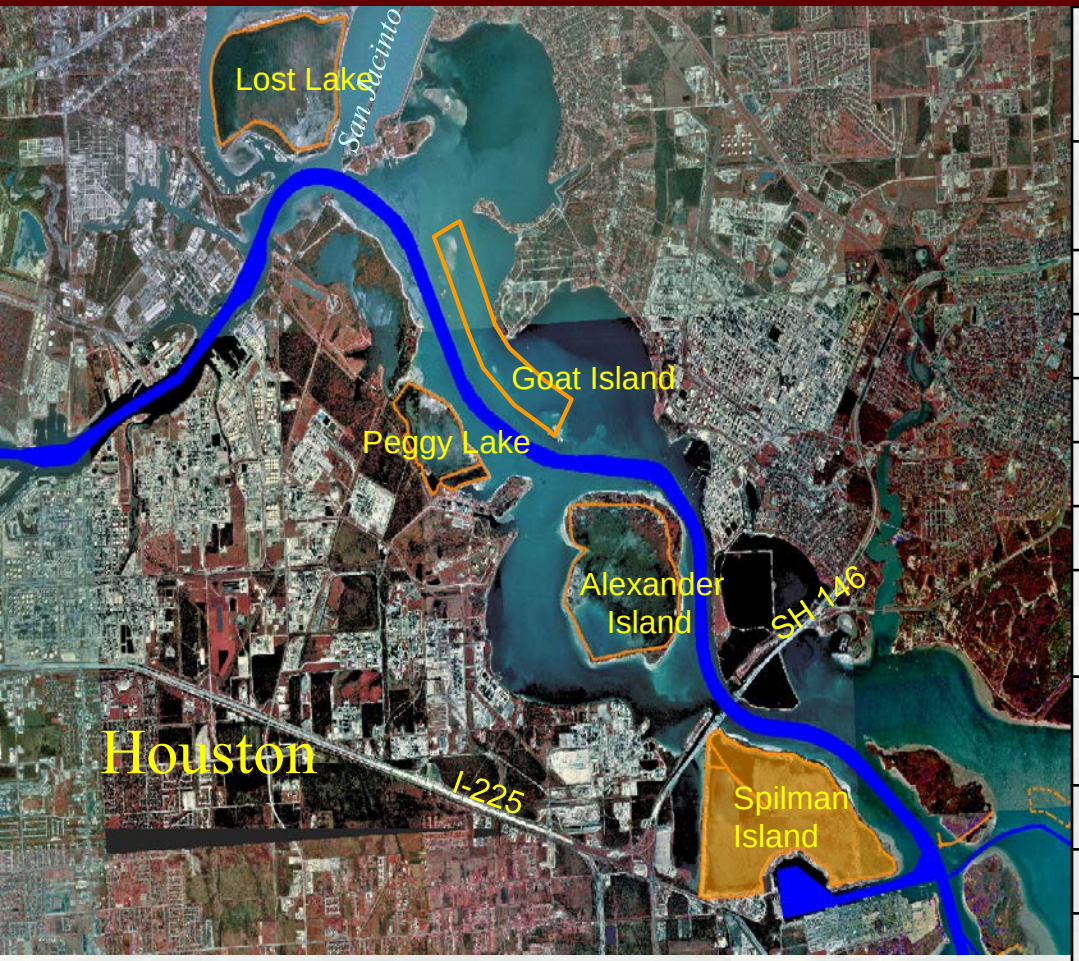


Project:	Houston Ship Channel Exxon to Boggy Bayou and Jacintoport
Dredging Depth:	48 ft. Required Depth
Dredging Width:	300 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Silt
Placement Area:	Lost Lake PA and Peggy Lake PA
Distance to Place Area:	3 Mile Avg.
Type of Equipment:	Pipeline Dredge
Env. Window:	NA
Award:	May 30, 2019

HOUSTON SHIP CHANNEL – SIMS BAYOU TO TURNING BASIN AND LIGHT DRAFT CHANNEL

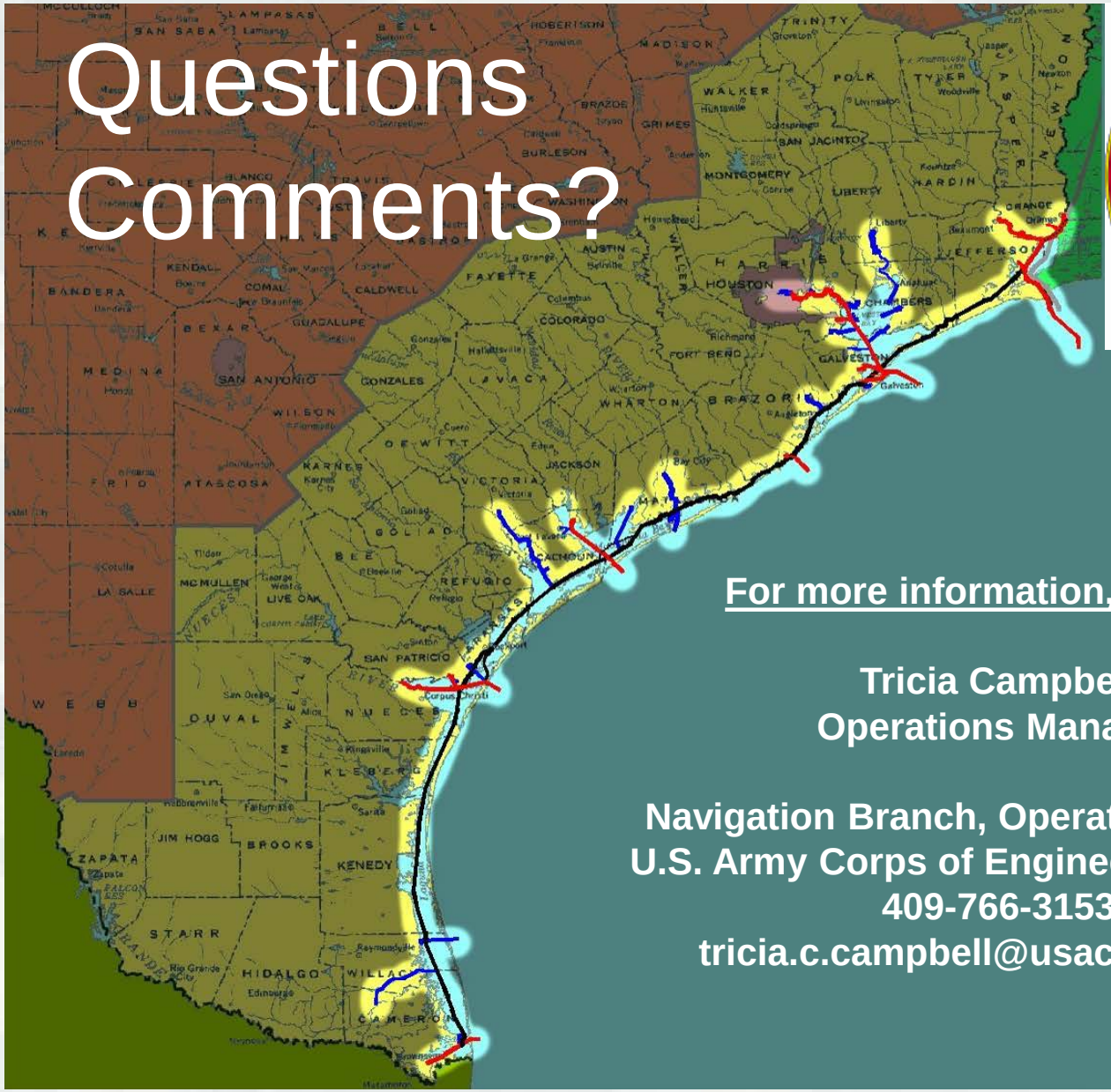
Project:	Houston Ship Channel – Sims Bayou to Turning Basin and Light Draft Channel
Dredging Depth:	HSC 39 ft. Required Depth Light Draft 11 ft. Required
Dredging Width:	530 – 1,000 ft.
Dredging Length:	17 miles
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Sand / Silt
Placement Area:	House Tract
Distance to Place Area:	7 Miles
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 30, 2019

HOUSTON SHIP CHANNEL – SPILMAN ISLAND PA DEWATERING



Project:	Houston Ship Channel Spilman Island PA Dewatering
Type of Work:	Placement Area Dewatering
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Spilman Island
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Award:	September 30, 2019

Questions Comments?



For more information, contact:

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Freeport Harbor &
Matagorda Ship Channel

Aron Edwards
Operations Manager
Navigation Branch
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

US Army Corps of Engineers
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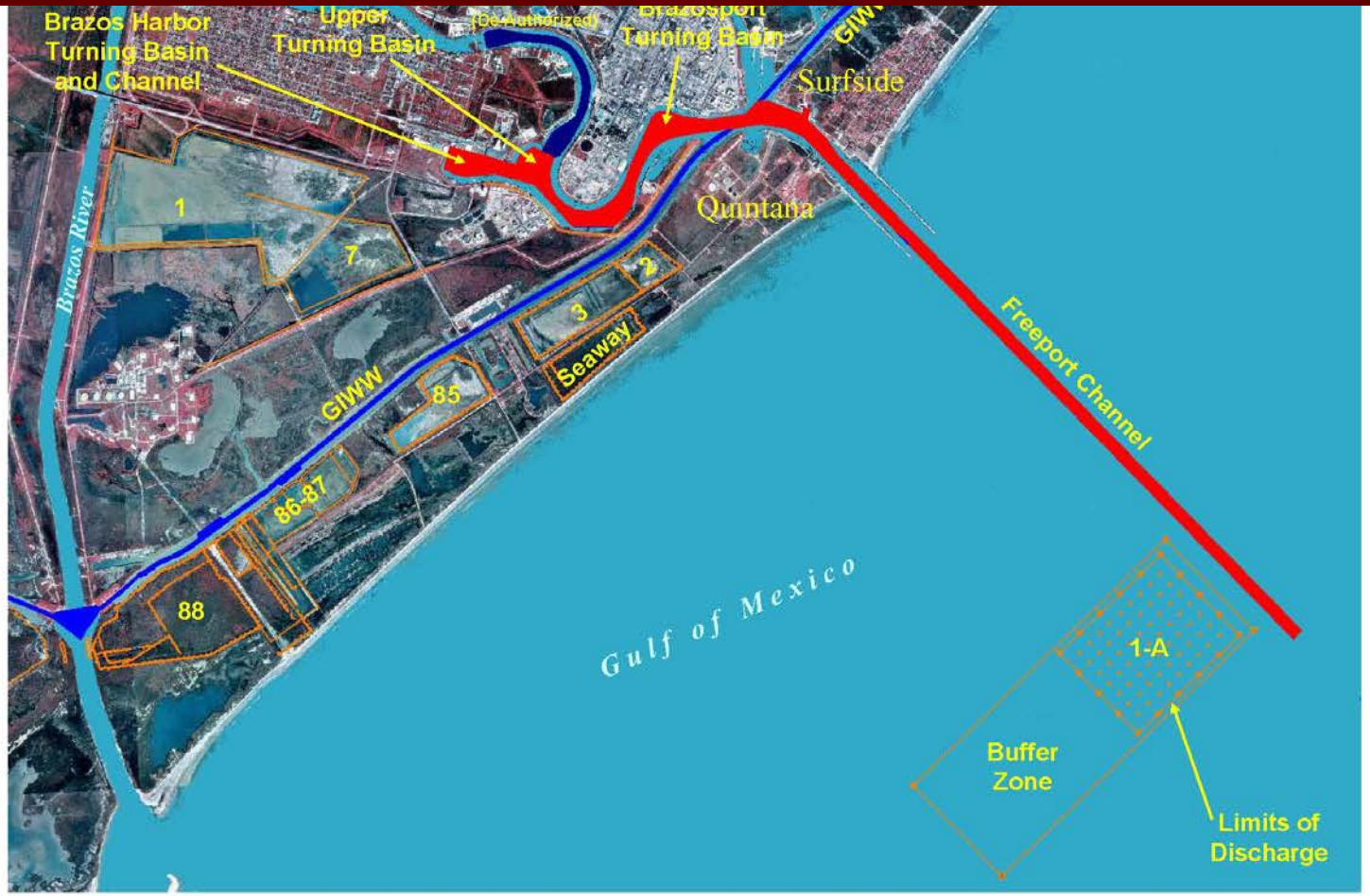
FY18 CONTRACT SCHEDULES

Freeport Harbor



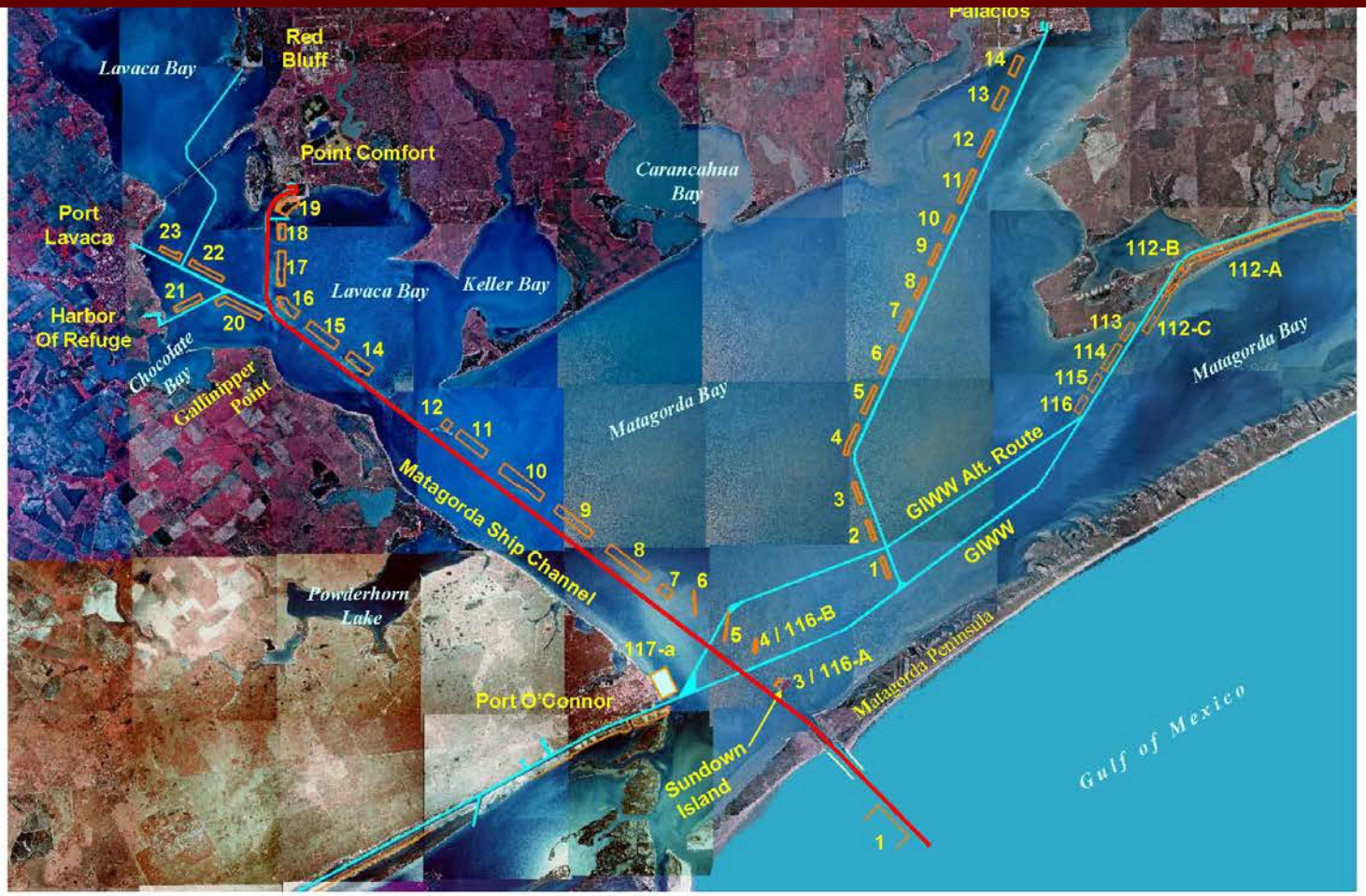
FREEPORT HARBOR
PLACEMENT AREA #1 CONTAINMENT DIKE RAISE

Project:	Freeport Harbor, TX Placement Area #1 Containment Dike Raise
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Sand/Silt
Placement Area (PA):	PA 1
Distance to PA:	NA
Type of Equipment:	Dragline/Earthmoving Equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	January 1, 2018
Est. Completion Date:	January 12, 2019

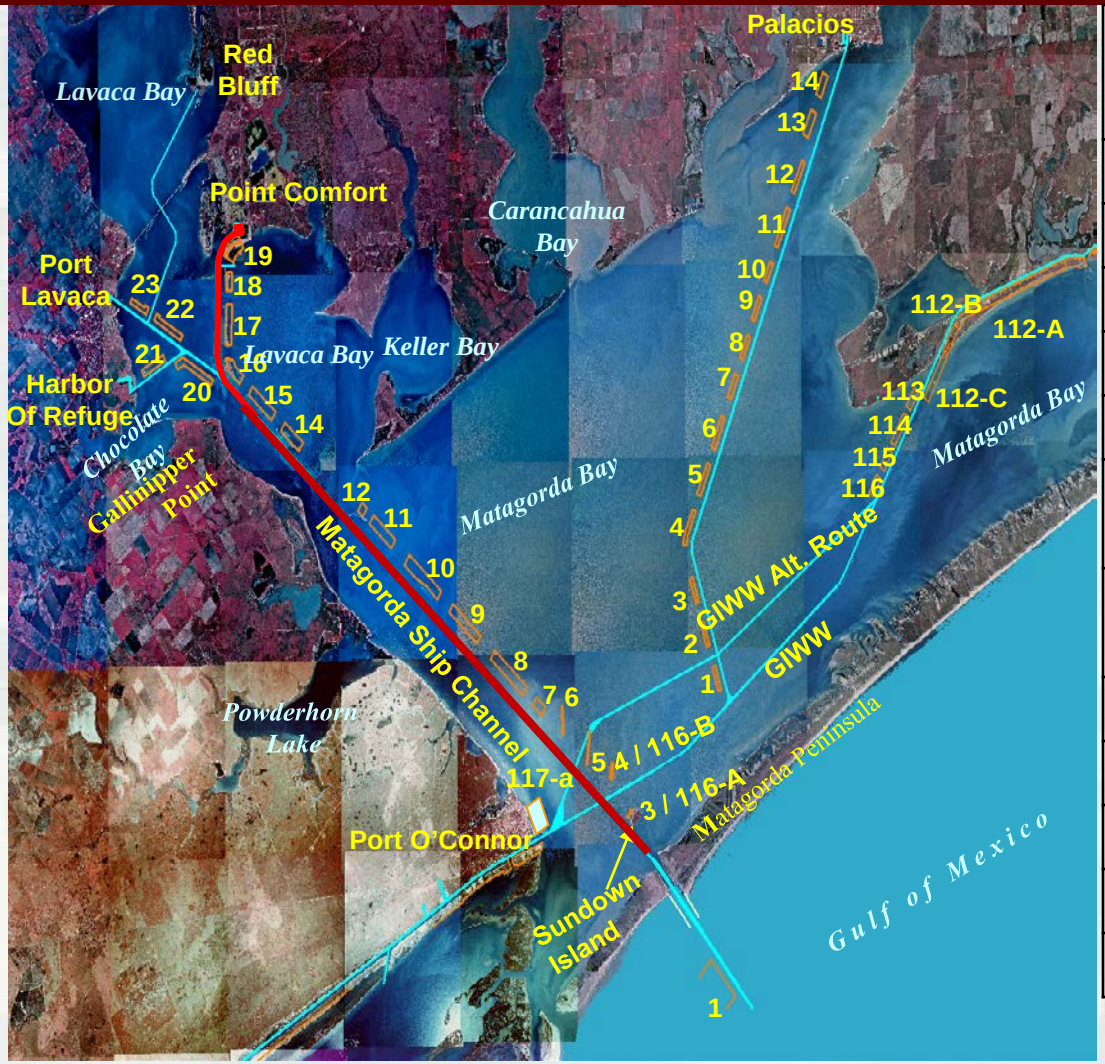
FREEPORT HARBOR
JETTY CHANNEL AND INSIDE CHANNEL

Project:	Freeport Harbor Jetty Channel and Inside Channel
Dredging Depth:	46 ft. Required Depth
Dredging Width:	280 - 1190 ft.
Dredging Length:	Varies
Dredging Quantity:	2,600,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Offshore
Distance to Place Area:	2.5 Mile Avg.
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	July 13, 2018
Est. Completion Date:	November 12, 2018

Matagorda Ship Channel



MATAGORDA SHIP CHANNEL
MATAGORDA PENINSULA TO POINT COMFORT



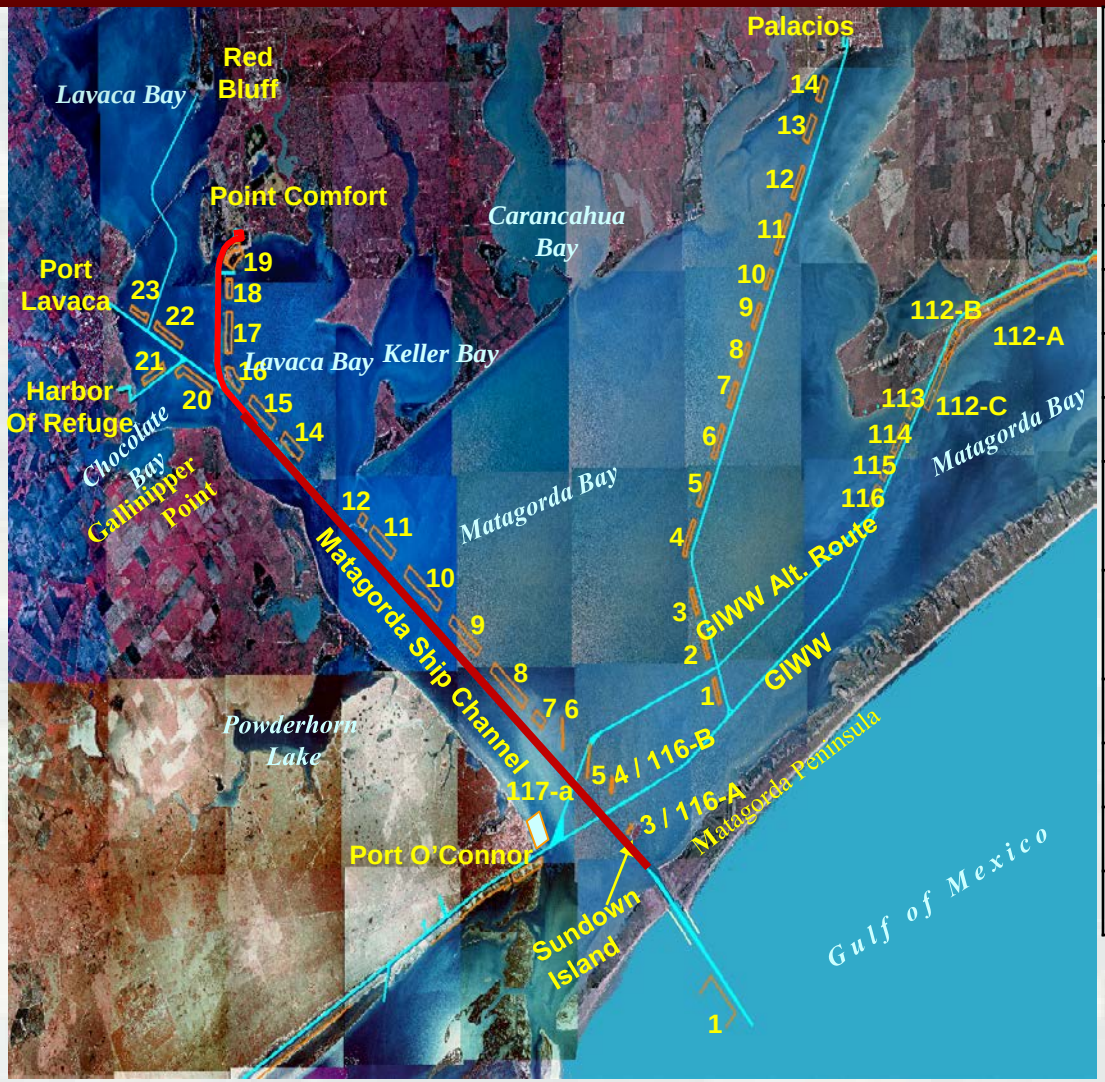
Project:	Matagorda Ship Channel Matagorda Peninsula to Point Comfort
Dredging Depth:	40 ft. Required Depth
Dredging Width:	200 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Open Water/Semi Confined
Distance to Place Area:	Varies
Type of Equipment:	Pipeline Dredge
Env. Window:	Sept 1 – Feb 28 (Open)
Reason for Window:	Nesting birds Sundown Is
Est. Start Date:	July 24, 2018
Est. Completion Date:	March 6, 2019

DEEP DRAFT
FY19 PLANNED CONTRACT SCHEDULES

FREEPORT HARBOR
JETTY CHANNEL AND INSIDE CHANNEL

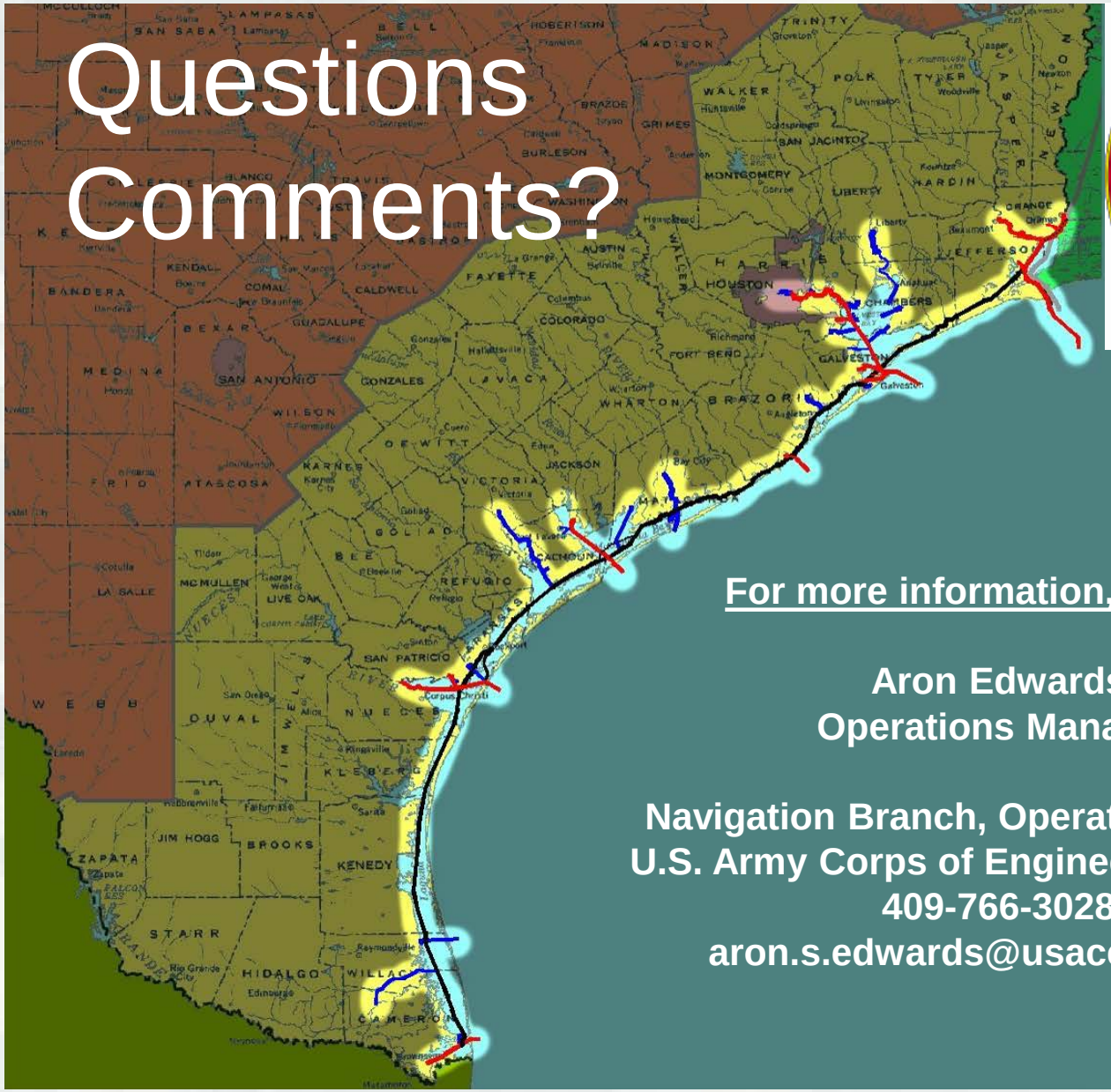
Project:	Freeport Harbor Jetty Channel and Inside Channel
Dredging Depth:	48-49 ft. Required Depth
Dredging Width:	280 - 1190 ft.
Dredging Length:	Varies
Dredging Quantity:	2,600,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Offshore
Distance to Place Area:	2.5 Mile Avg.
Type of Equipment:	Hopper
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	June 14, 2019

MATAGORDA SHIP CHANNEL
MATAGORDA PENINSULA TO POINT COMFORT



Project:	Matagorda Ship Channel Matagorda Peninsula to Point Comfort
Dredging Depth:	40 ft. Required Depth
Dredging Width:	200 ft.
Dredging Length:	Varies
Dredging Quantity:	2,000,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Open Water/Semi Confined
Distance to Place Area:	Varies
Type of Equipment:	Pipeline Dredge
Env. Window:	Sept 1 – Feb 28 (Open)
Reason for Window:	Nesting birds Sundown Is
Award:	September 16, 2019

Questions Comments?



For more information, contact:

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Corpus Christi Ship Channel

Steven Howard
Operations Manager
Navigation Branch
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

US Army Corps of Engineers
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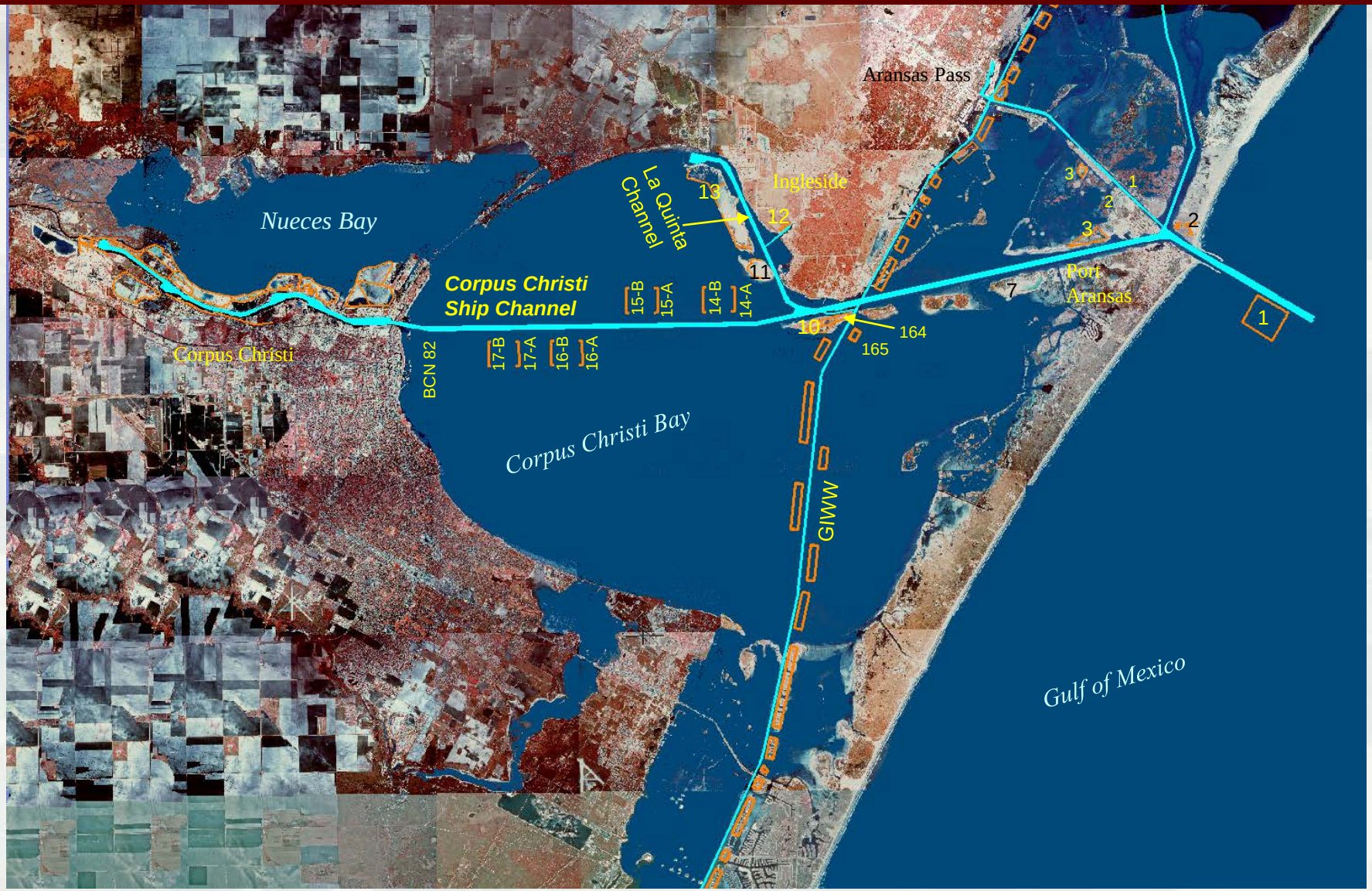
FY18 CONTRACT SCHEDULES

Corpus Christi Ship Channel

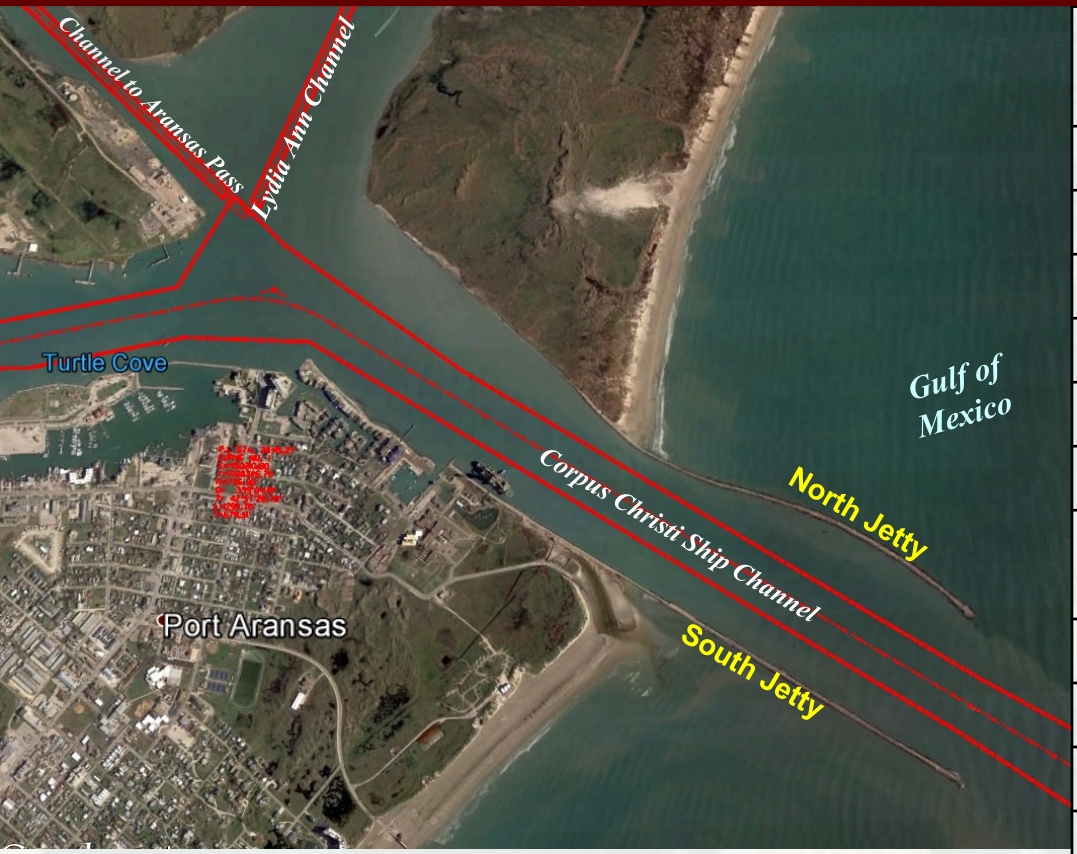


BUILDING STRONG®

CORPUS CHRISTI SHIP CHANNEL
INNER BASIN TO VIOLA T.B. & LA QUINTA CHANNEL

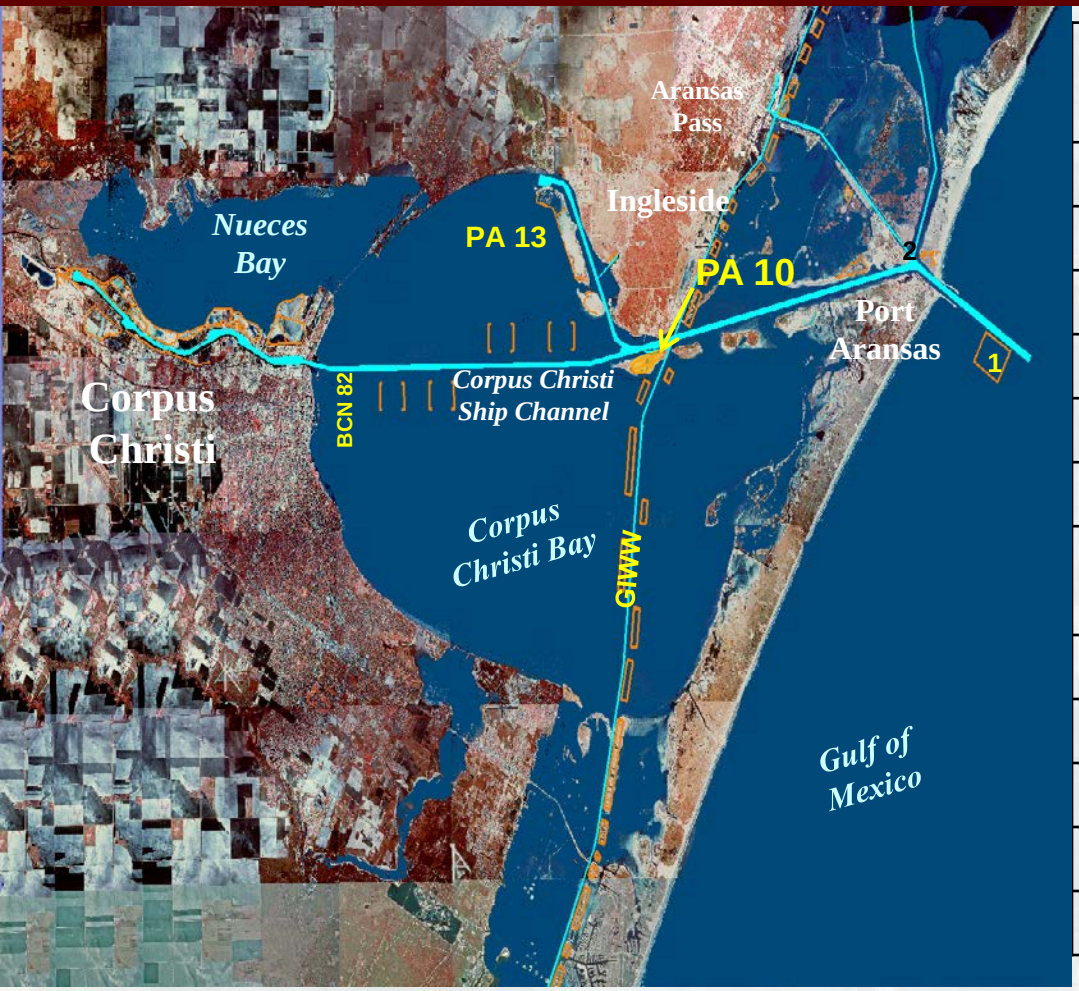
Project:	**Corpus Christi Ship Channel Inner Basin to Viola Turning Basin / La Quinta Channel**
Dredging Depth:	49-ft. Required Depth
Dredging Width:	300-400ft.
Dredging Length:	Varies
Dredging Quantity:	2,900,000 cubic yards
Material Type:	Silt / Sand
Placement Area:	Open Water and Upland
Distance to Placement Area:	1-4 Miles
Type of Equipment:	Pipeline Dredge
Env. Window	Sep. – Feb. (Open)
Reason for Window:	Nesting Birds PA 7-8
Start Date:	July 16, 2018
Est. Completion Date:	February 15, 2019

CORPUS CHRISTI SHIP CHANNEL JETTY REPAIRS



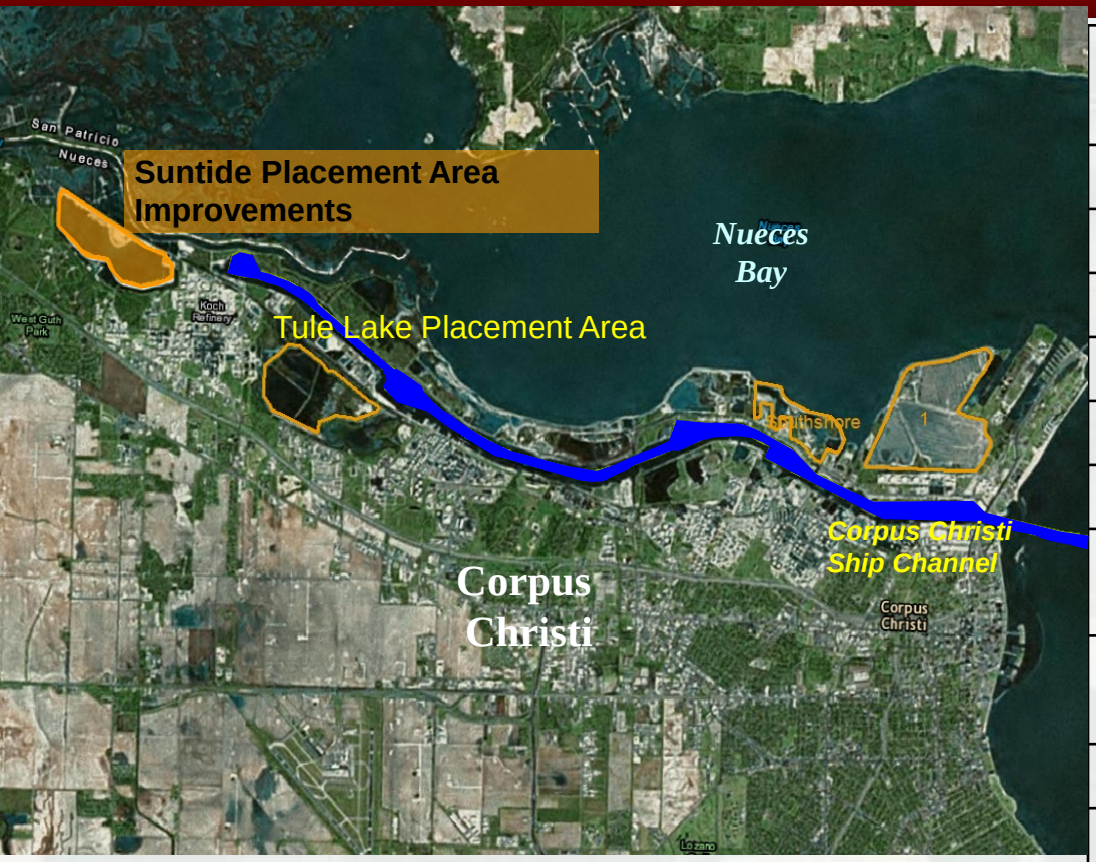
Project:	Corpus Christi Ship Channel Jetty Repairs
Type of Work:	Jetty Repairs
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	NA
Distance to Placement Area:	NA
Type of Equipment:	Marine Construction
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 12, 2018
Est. Completion Date:	March 5, 2019

CORPUS CHRISTI SHIP CHANNEL
PLACEMENT AREA NO. 10 (PA 10) IMPROVEMENTS



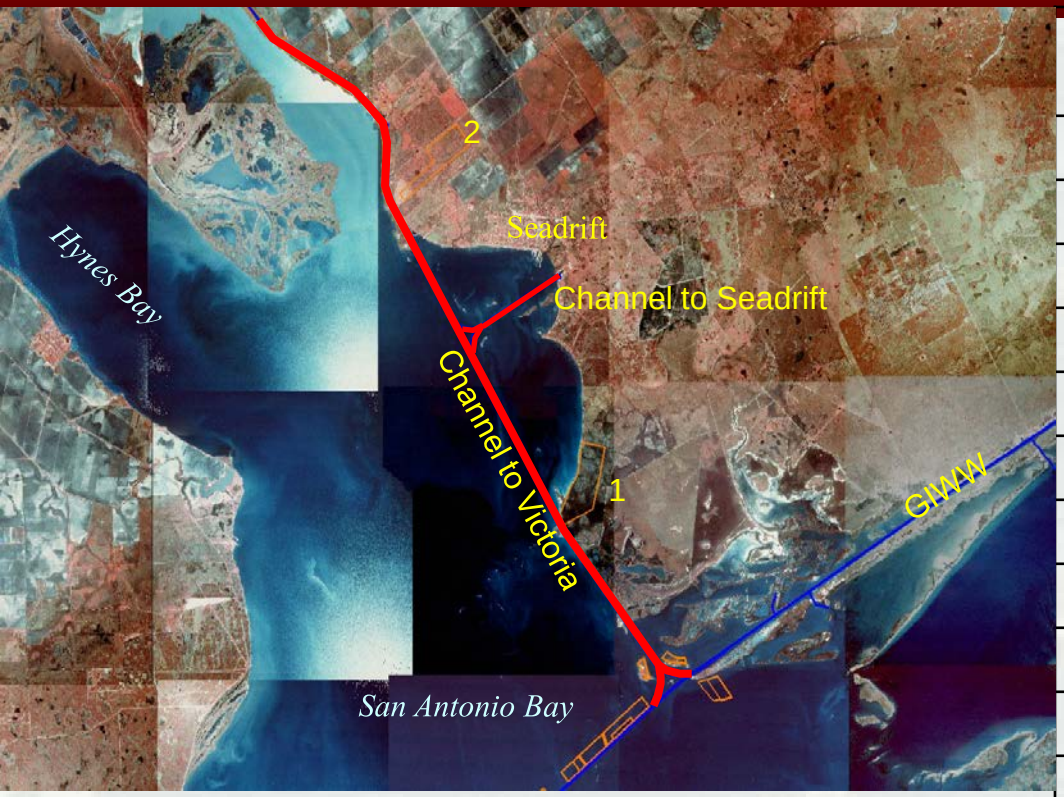
Project:	**Corpus Christi Ship Channel PA 10 Improvements**
Type of Work:	Containment Dike
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	PA 10
Distance to Placement Area:	NA
Type of Equipment:	Bull dozers; Excavators
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 20, 2018
Est. Completion Date:	August 10, 2019

CORPUS CHRISTI SHIP CHANNEL – SUNTIDE PLACEMENT AREA IMPROVEMENT



Project:	CCSC - Suntide Placement Area Improvement
Type of Work:	Levee
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	Suntide
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	September 15, 2018
Est. Completion Date:	March 16, 2019

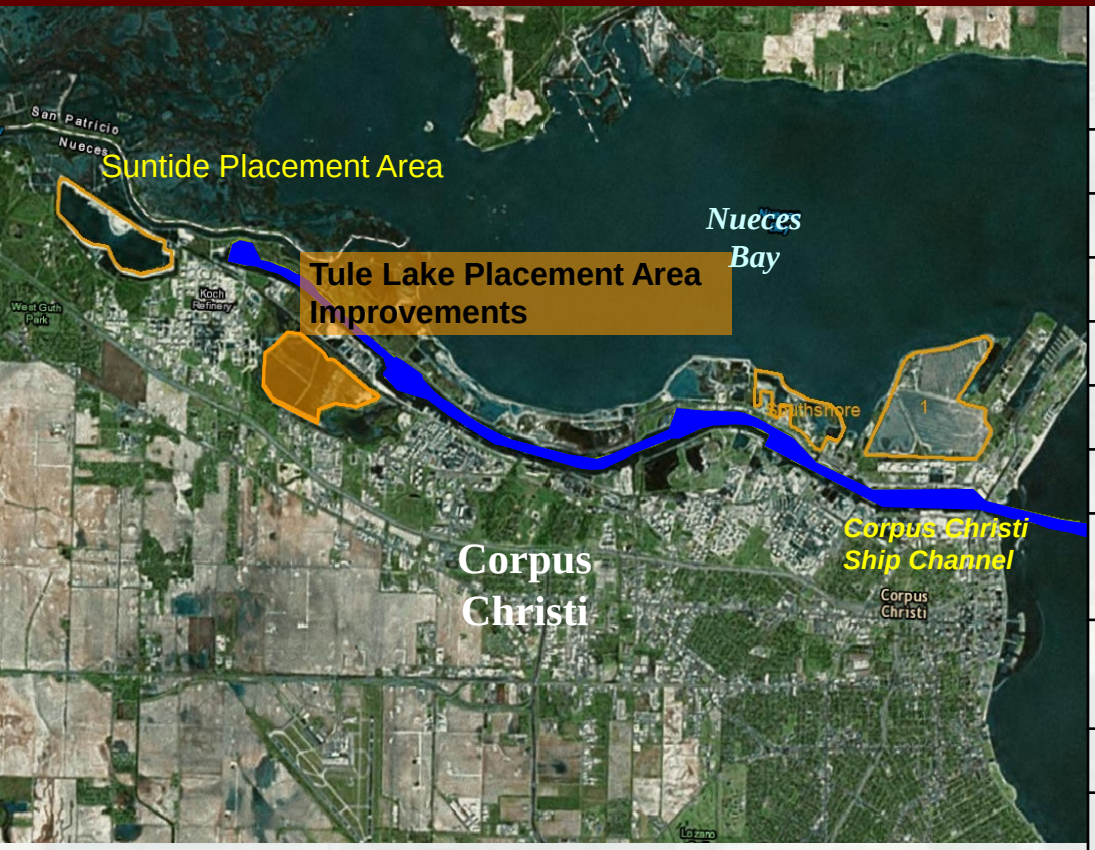
CHANNEL TO VICTORIA AND CHANNEL TO SEADRIFT



Project:	**GIWW, Ch to Victoria Lower Reach, Seadrift**
Dredging Depth:	16-ft Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Silt/Sand
Placement Area (PA):	Upland Confined
Distance to PA:	2.0 Mile (avg.)
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	May 30, 2018
Est. Completion Date:	November 16, 2018

DEEP DRAFT
FY19 PLANNED CONTRACT SCHEDULES

CORPUS CHRISTI SHIP CHANNEL – TULE LAKE PLACEMENT AREA IMPROVEMENT

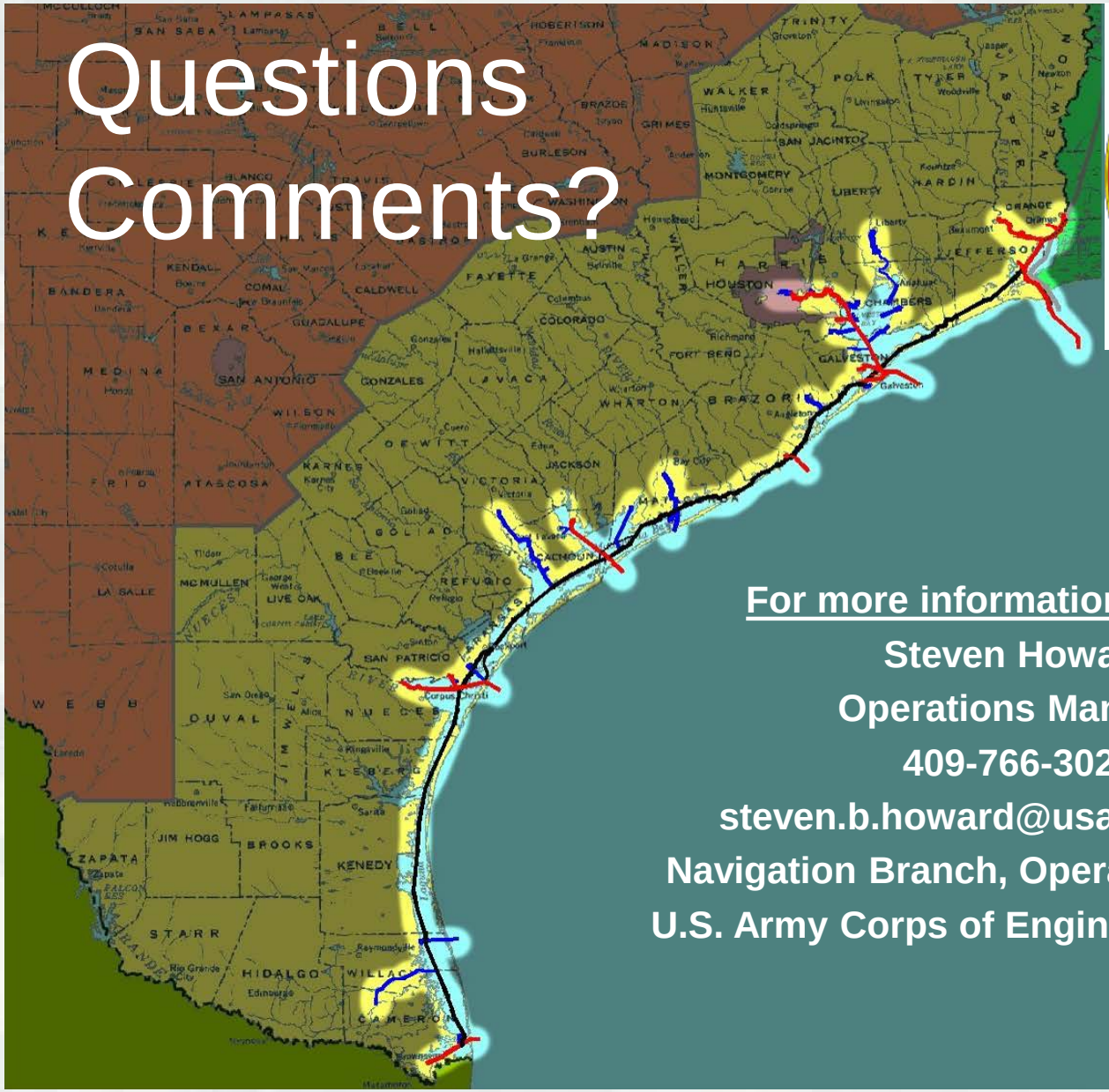


Project:	CCSC – Tule Lake Placement Area Improvement
Type of Work:	Containment Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	Tule Lake
Distance to Place Area:	NA
Type of Equipment:	Dragline/Earthmoving equipment
Env. Window:	NA
Reason for Window:	NA
Award:	April 15, 2019

CORPUS CHRISTI SHIP CHANNEL
INNER BASIN TO VIOLA

Project:	**Corpus Christi Ship Channel Inner Basin to Viola**
Dredging Depth:	49-ft. Required Depth
Dredging Width:	300-400ft.
Dredging Length:	Varies
Dredging Quantity:	2,500,000 cubic yards
Material Type:	Silt / Sand
Placement Area:	Open Water and Upland
Distance to Placement Area:	1-4 Miles
Type of Equipment:	Pipeline Dredge
Env. Window	Sep. – Feb. (Open)
Reason for Window:	Nesting Birds PA 7-8
Award:	August 15, 2019

Questions Comments?



U.S. ARMY CORPS OF ENGINEERS
ESTABLISHED 1880
GALVESTON DISTRICT

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U.S. Army Corps of Engineers, Galveston

Brazos Island Harbor (BIH) & Gulf Intracoastal Waterway

Seth Jones
Operation Manager
Navigation Branch
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

US Army Corps of Engineers
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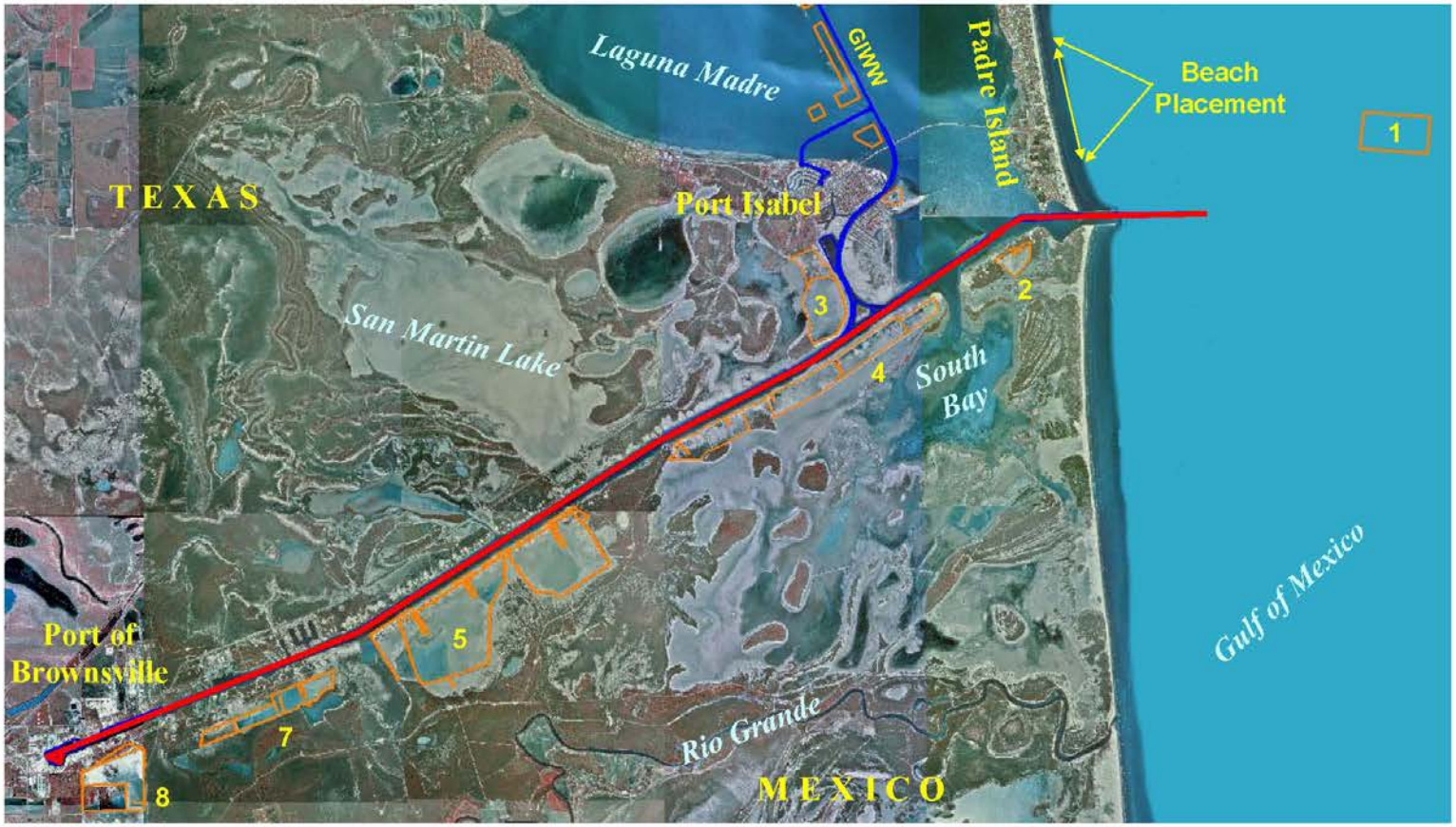
FY18 CONTRACT SCHEDULES

Brazos Island Harbor (Brownsville Harbor)

US Army Corps of Engineers®
Galveston District

Brazos Island Harbor (BIH)
Brownsville Ship Channel



BRAZOS ISLAND HARBOR
JETTY CHANNEL WITH BEACH PLACEMENT

Project:	Brazos Island Harbor Brownsville Jetty Channel
Dredging Depth:	46 ft. Required Depth
Dredging Width:	300 - 400 ft.
Dredging Length:	Varies
Dredging Quantity:	400,000 cubic yards
Material Type:	Sand
Placement Area:	Beach/BU
Distance to Place Area:	1-5 Miles Avg.
Type of Equipment:	Hopper/Pipeline
Env. Window:	1 Oct- 14Mar
Reason for Window:	Turtle/Tourism
Est. Start Date:	February 2, 2018; September 27, 2018
Est. Completion Date:	March 31, 2018 November 26, 2018

DEEP DRAFT
FY19 CONTRACT SCHEDULES

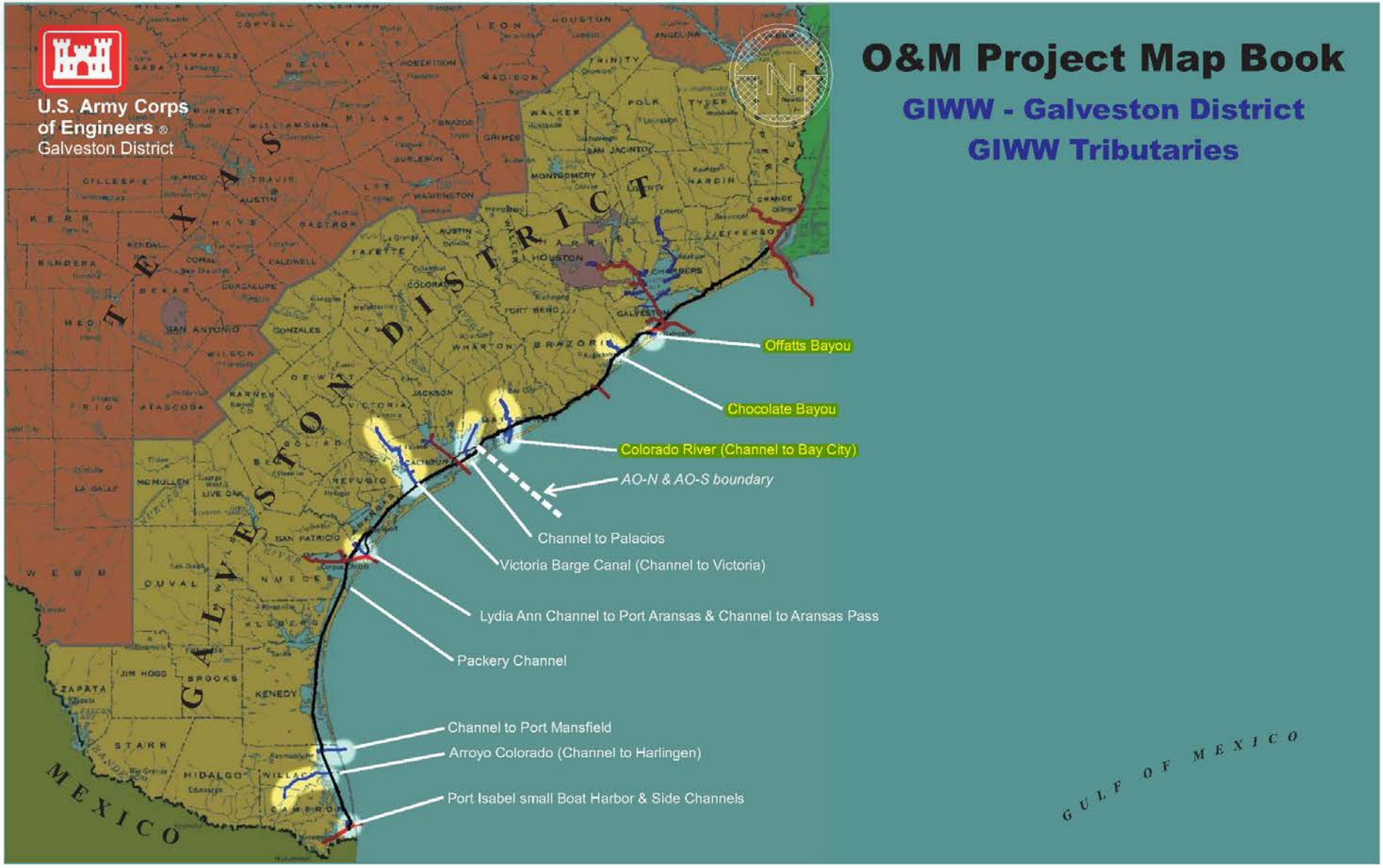
BRAZOS ISLAND HARBOR
MAIN CHANNEL

Project:	Brazos Island Harbor Brownsville Ship Channel
Dredging Depth:	44 ft. Required Depth
Dredging Width:	250 - 1200 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Silt
Placement Area:	Upland
Distance to Place Area:	1 Mile Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	June 12, 2019

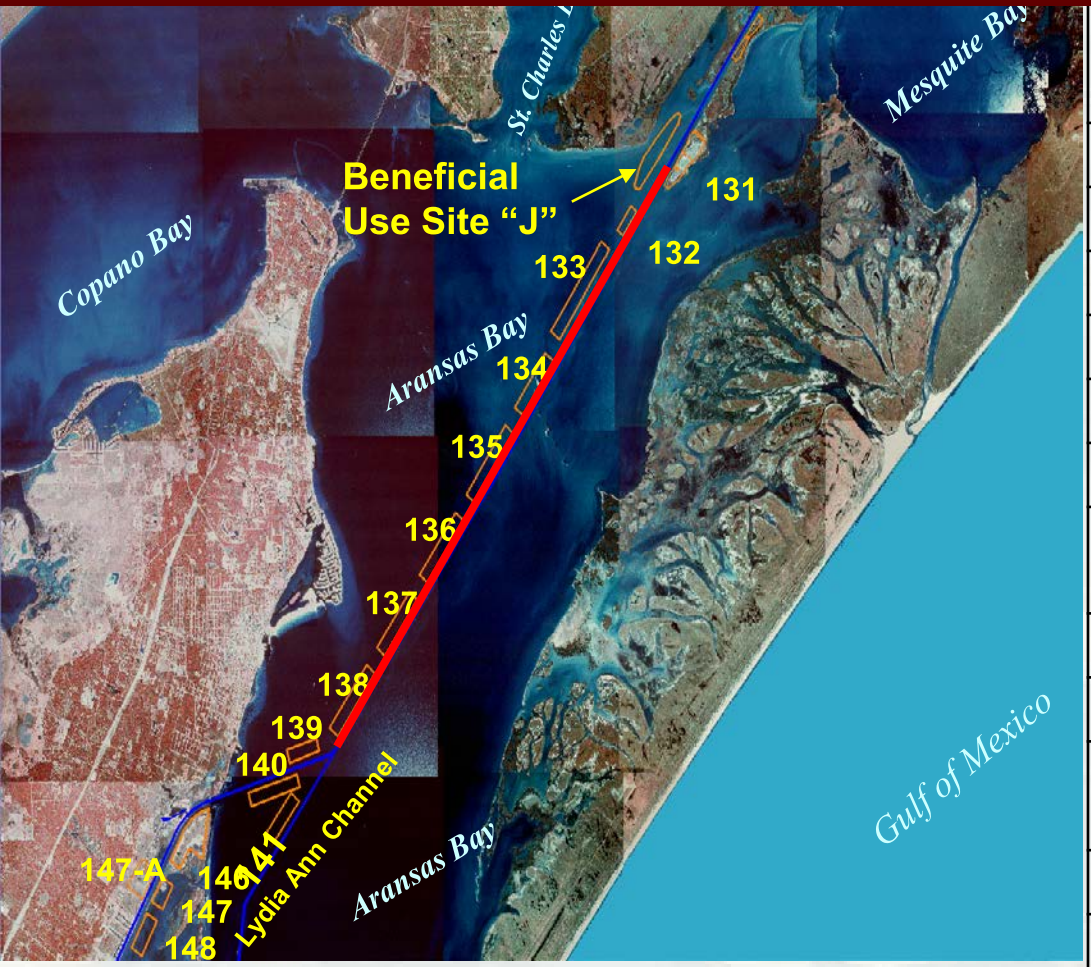
BRAZOS ISLAND HARBOR
JETTY CHANNEL WITH BEACH PLACEMENT

Project:	Brazos Island Harbor Brownsville Jetty Channel
Dredging Depth:	46 ft. Required Depth
Dredging Width:	300 - 400 ft.
Dredging Length:	Varies
Dredging Quantity:	400,000 cubic yards
Material Type:	Sand
Placement Area:	Beach/BU
Distance to Place Area:	1-5 Miles Avg.
Type of Equipment:	Hopper/Pipeline
Env. Window:	1 Oct- 14Mar
Reason for Window:	Turtle/Tourism
Award:	September 17, 2019

SHALLOW DRAFT
FY18 CONTRACT SCHEDULES

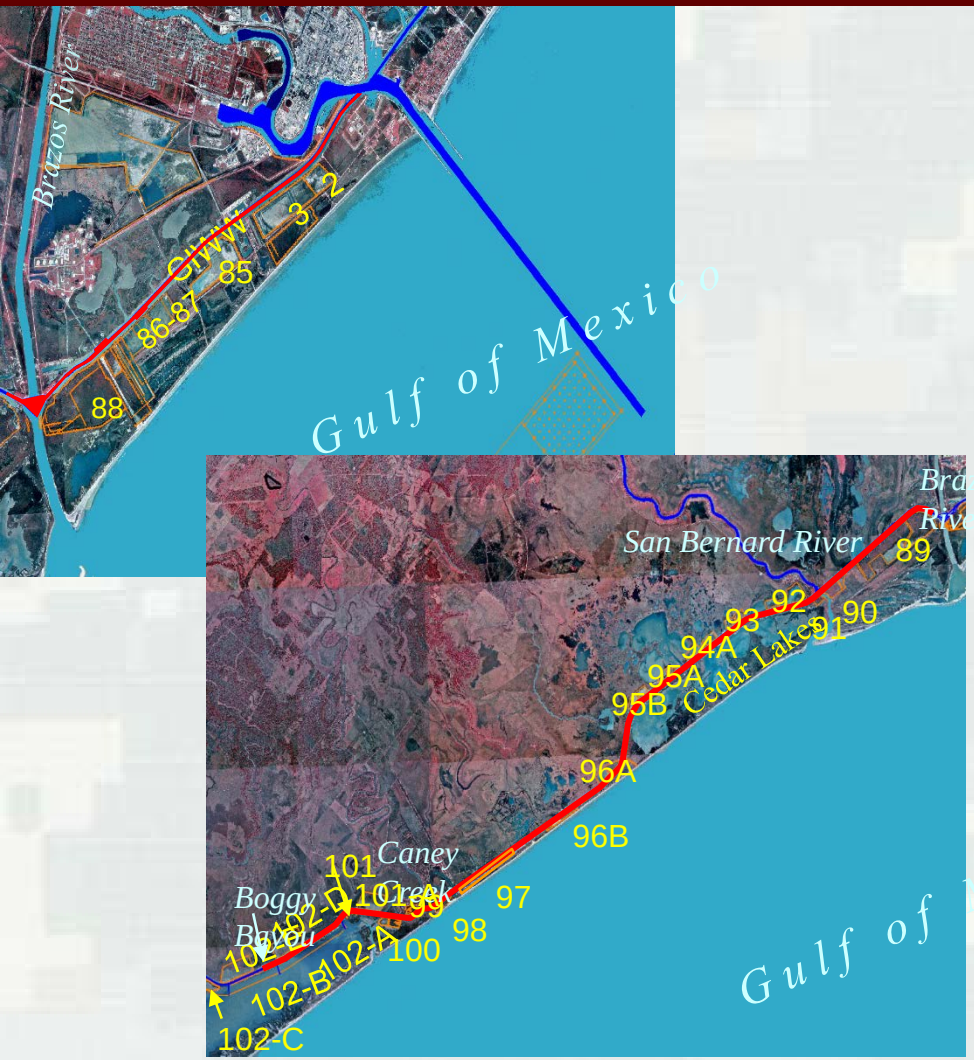


GULF INTRACOASTAL WATERWAY CHANNEL ACROSS ARANSAS BAY



Project:	Gulf Intracoastal Waterway Channel Across Aransas Bay
Dredging Depth:	14-16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,200,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Open / BU
Distance to Place Area:	1 Mile Avg.
Type of Equipment:	Pipeline
Env. Window:	April thru Oct
Reason for Window:	Whooping Crane/Nesting Birds
Est. Start Date:	March 3, 2018
Est. Completion Date:	October 14, 2018

GULF INTRACOASTAL WATERWAY – FREEPORT TO CANEY CREEK, BRAZOS RIVER CROSSING

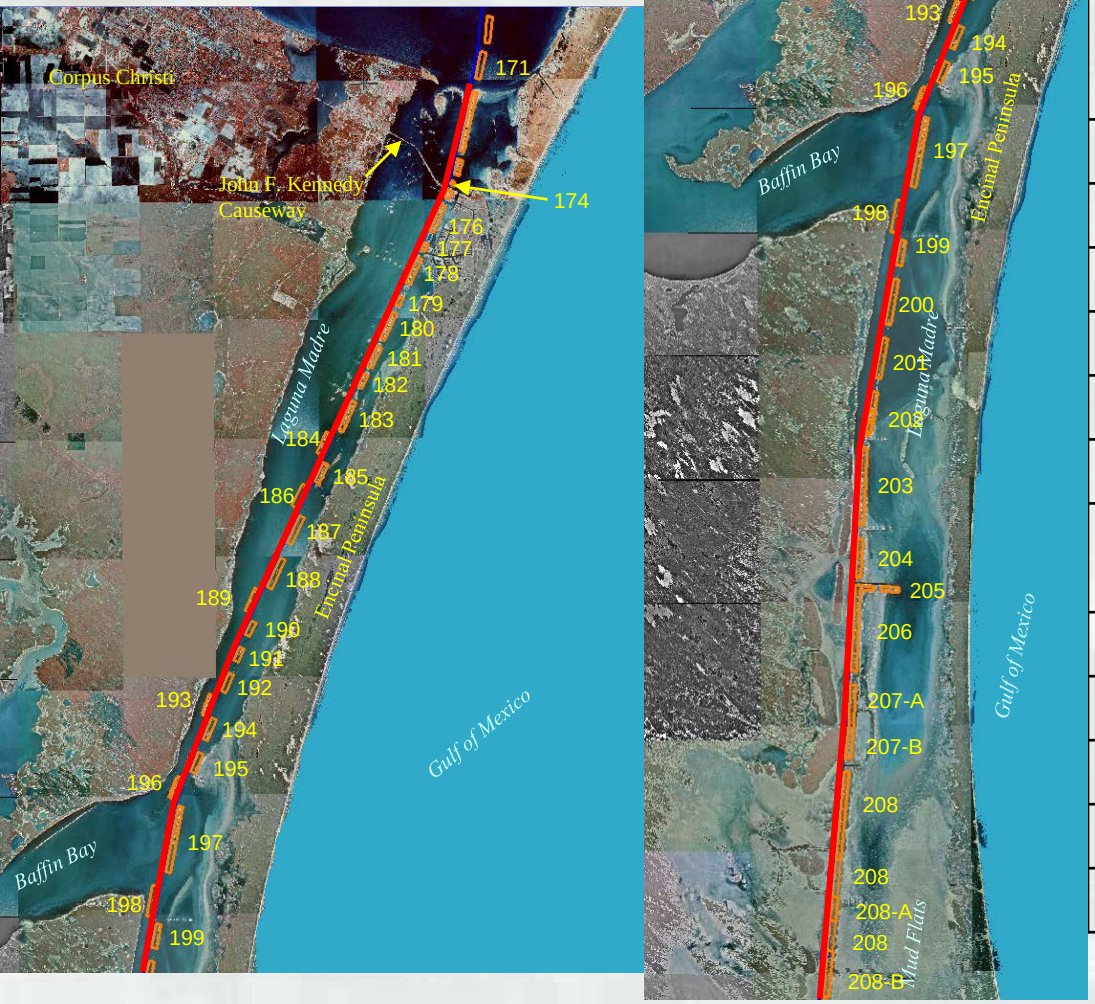


Project:	Gulf Intracoastal Waterway Freeport to Caney Creek, Brazos River Crossing
Dredging Depth:	13-15 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	600,000 cubic yards
Material Type:	Sand/Silt
Placement Area:	Open / BU
Distance to Place Area:	1 Mile Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	May 29, 2018
Est. Completion Date:	September 29, 2018

GULF INTRACOASTAL WATERWAY
PA 86 & 87 IMPROVEMENTS

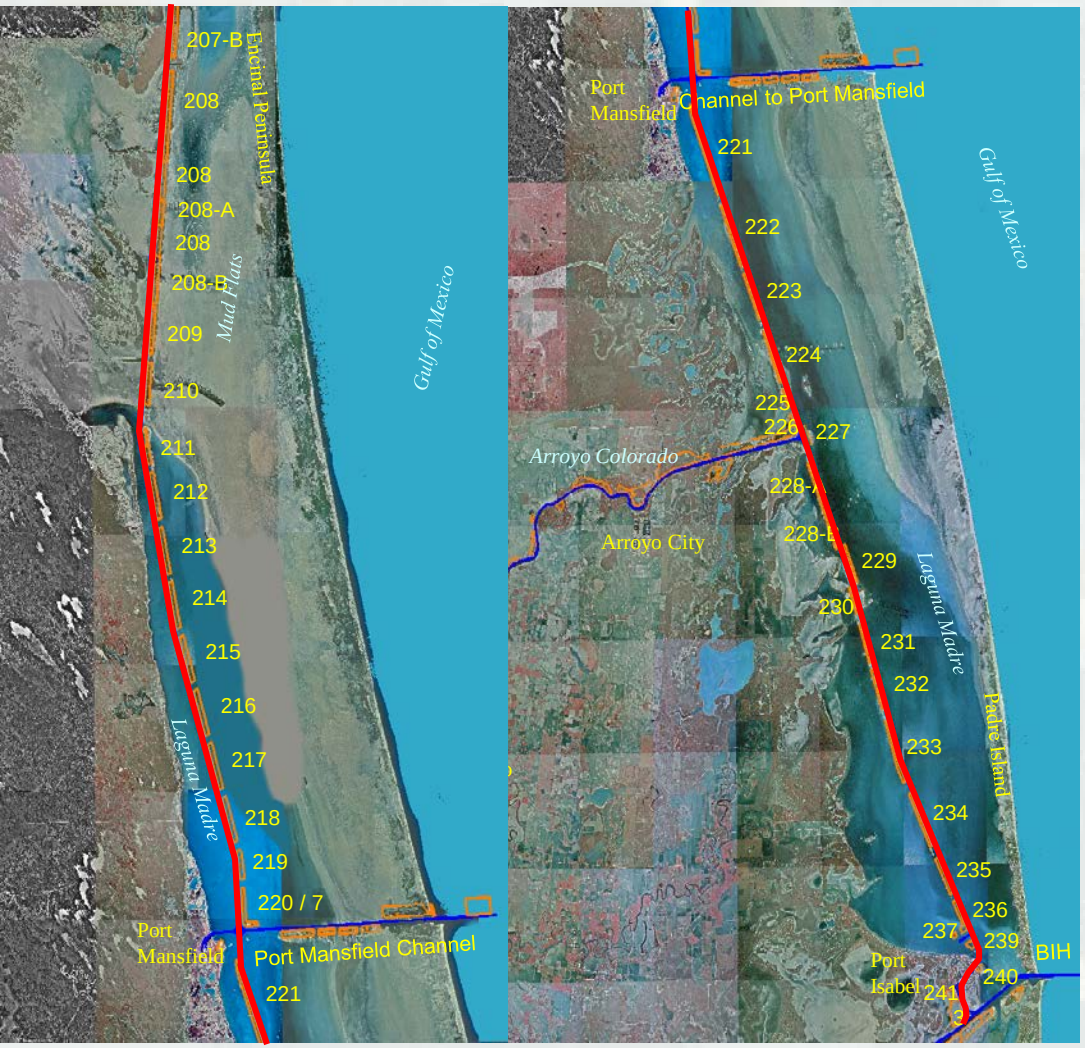
Project:	Gulf Intracoastal Waterway PA 86 & 87 Containment Dike Raise
Type of Work:	Dike Raising
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	Silt/Clay
Placement Area:	PA 86 & 87
Distance to Place Area:	NA
Type of Equipment:	Dragline
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	May 29, 2018
Est. Completion Date:	July 5, 2019

GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL/ CHANNEL TO HARLINGEN



Project:	Gulf Intracoastal Waterway Corpus Christi to Port Isabel/ Channel to Harlingen
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/BU Sites
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Nov. - 28 Feb.
Reason for Window:	Seagrass
Est. Start Date:	July 29, 2018
Est. Completion Date:	February 28, 2019

GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL/ CHANNEL TO HARLINGEN



Project:	Gulf Intracoastal Waterway Corpus Christi to Port Isabel/ Channel to Harlingen
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/BU Sites
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Nov. - 28 Feb.
Reason for Window:	Seagrass
Est. Start Date:	July 29, 2018
Est. Completion Date:	February 28, 2019

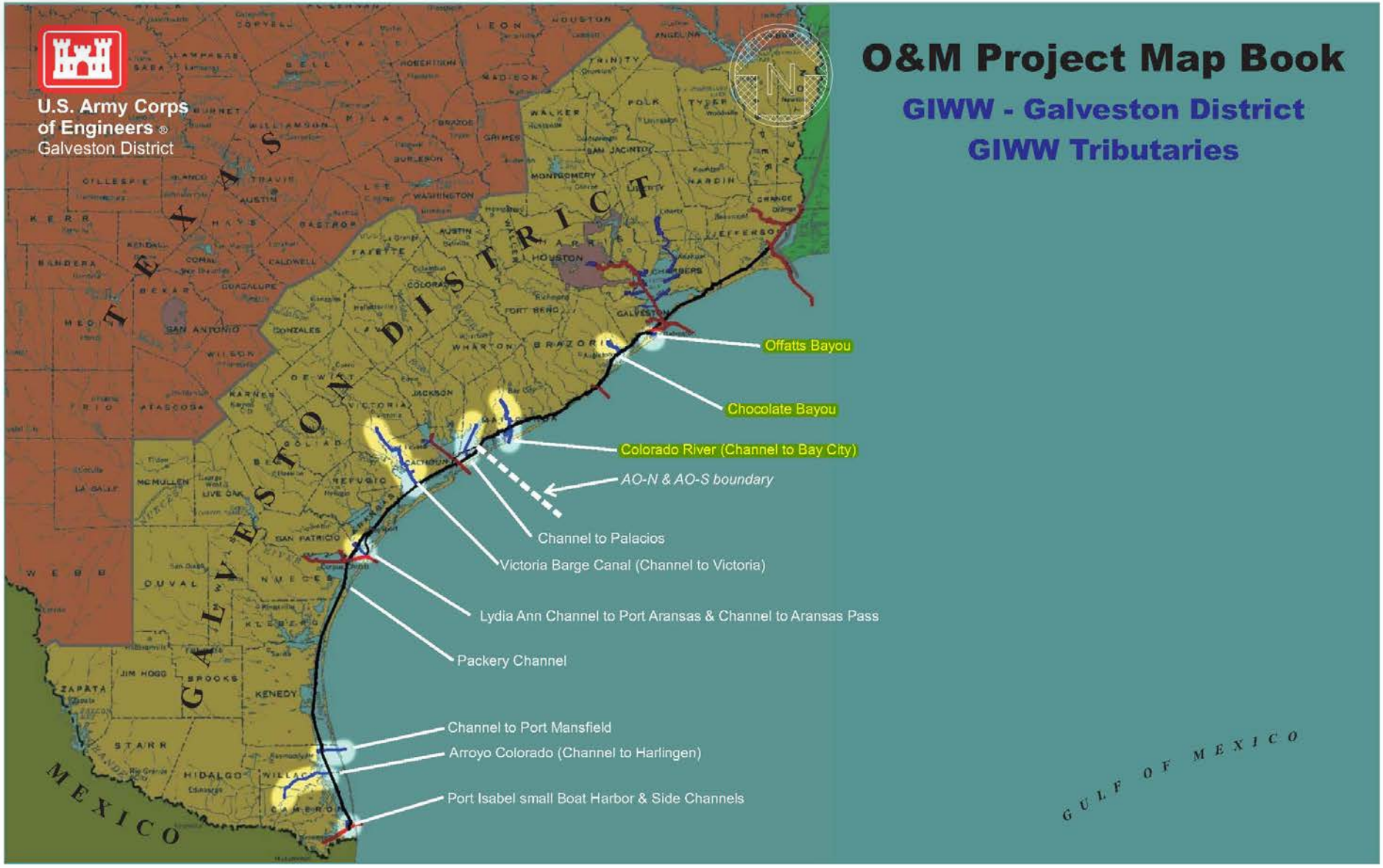
GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL/ CHANNEL TO HARLINGEN

Project:	**Channel to Harlingen**
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Upland
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Mar. – 31 Aug.
Reason for Window:	Nesting Birds
Est. Start Date:	July 29, 2018
Est. Completion Date:	February 28, 2019

GULF INTRACOASTAL WATERWAY - ROLLOVER PASS TO GALVESTON CAUSEWAY & BOLIVAR FLARE

Project:	**Gulf Intracoastal Waterway Rollover to Causeway & Bolivar Flare**
Dredging Depth:	15 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	800,000 cubic yards
Material Type:	Fine Sand/Silt
Placement Area:	Upland/Open Water/BU
Distance to Place Area:	2.0 Mile Avg.
Type of Equipment:	Pipeline
Env. Window:	N/A
Reason for Window:	N/A
Est. Start Date:	September 19, 2018
Est. Completion Date:	January 16, 2019

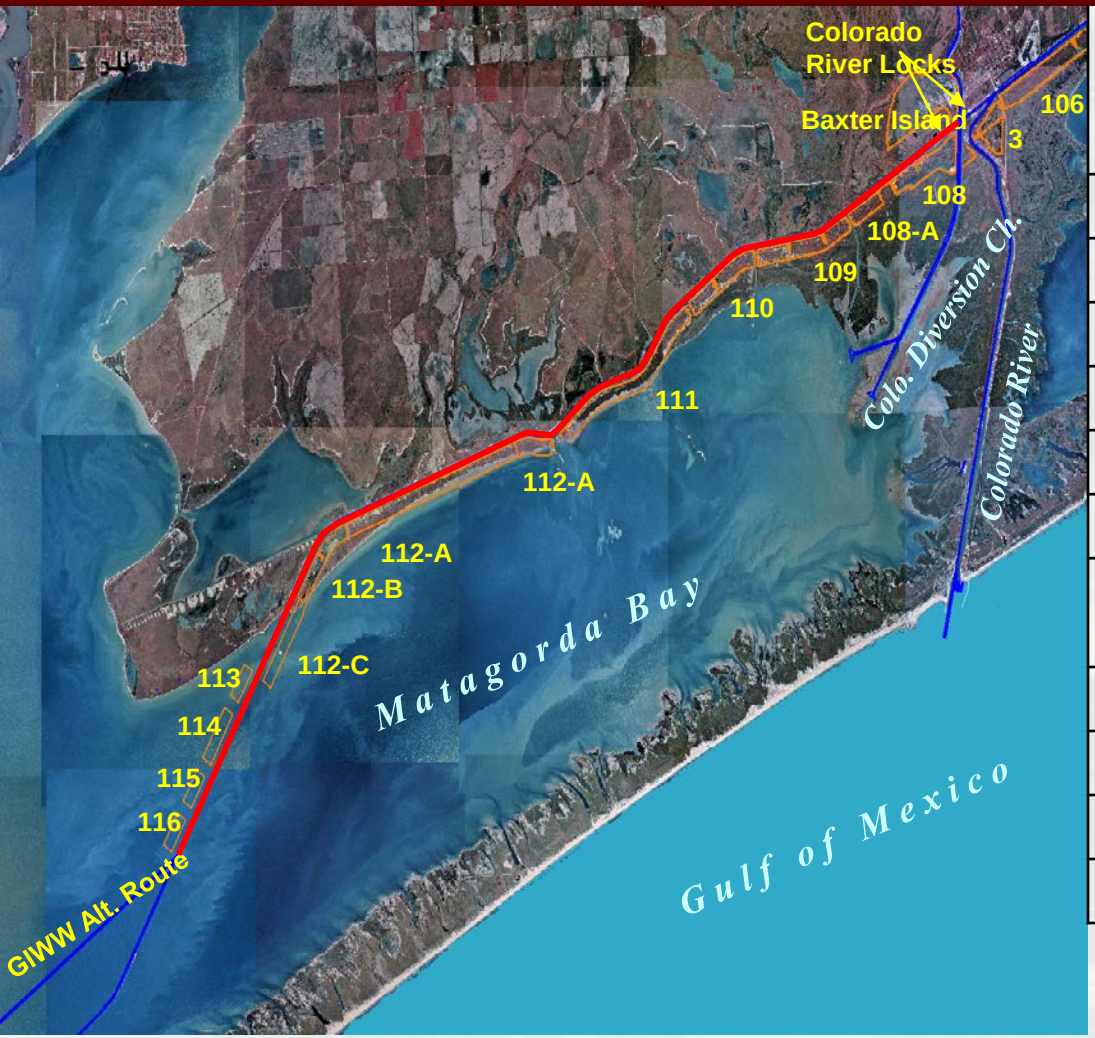
SHALLOW DRAFT
FY19 PLANNED CONTRACT SCHEDULES



GULF INTRACOASTAL WATERWAY – CRANEY CREEK TO UPPER MATAGORDA BAY; BRAZOS RIVER CROSSING

Project:	Gulf Intracoastal Waterway Caney Creek to Upper Matagorda Bay; Brazos River Crossing
Dredging Depth:	14-16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined
Distance to Placement Area:	2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	March 1, 2019

GULF INTRACOASTAL WATERWAY – CRANEY CREEK TO UPPER MATAGORDA BAY; BRAZOS RIVER CROSSING

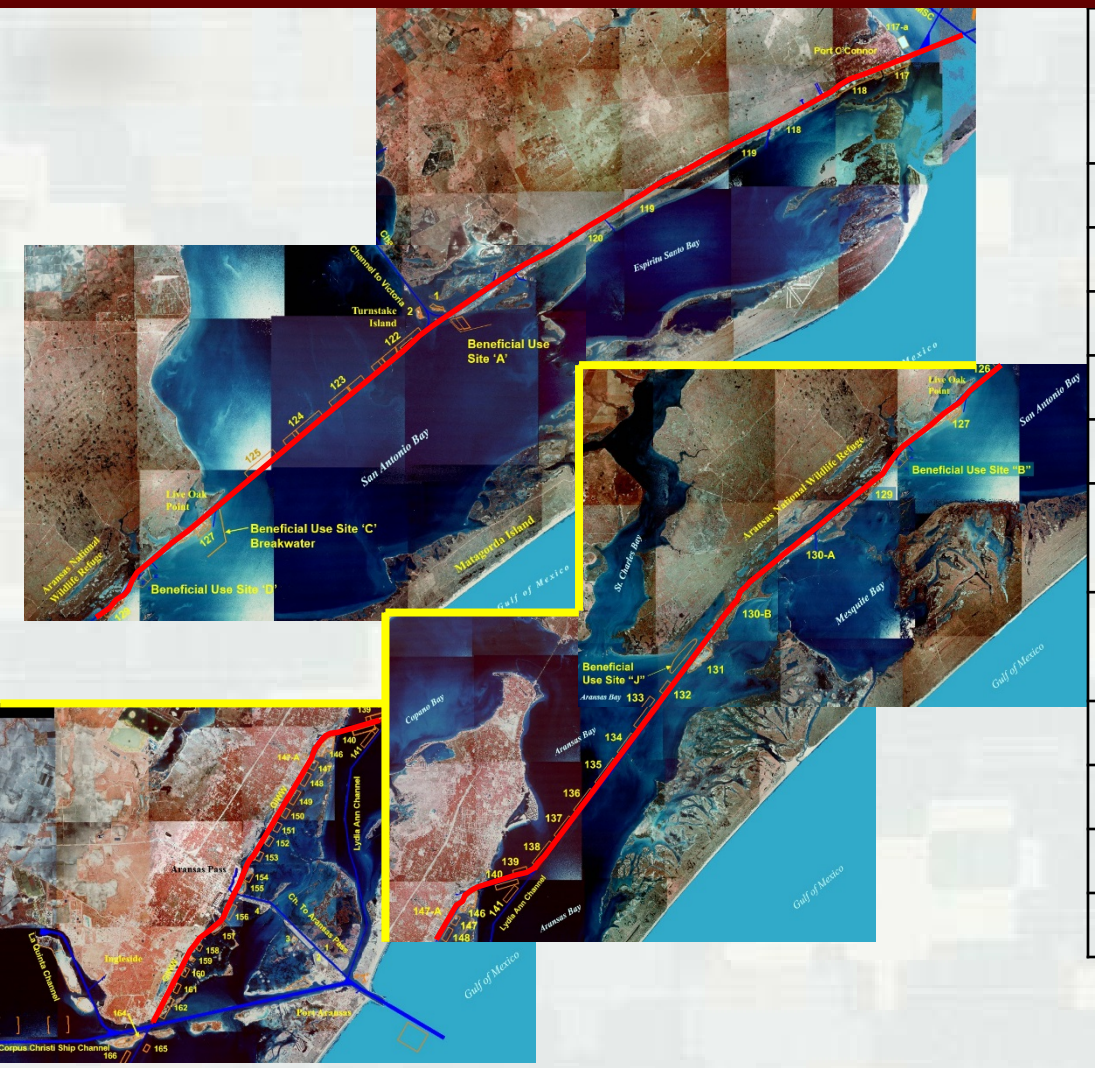


Project:	Gulf Intracoastal Waterway Caney Creek to Upper Matagorda Bay; Brazos River Crossing
Dredging Depth:	14-16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined
Distance to Placement Area:	2 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	March 1, 2019

GULF INTRACOASTAL WATERWAY – CRANEY CREEK TO UPPER MATAGORDA BAY; BRAZOS RIVER CROSSING

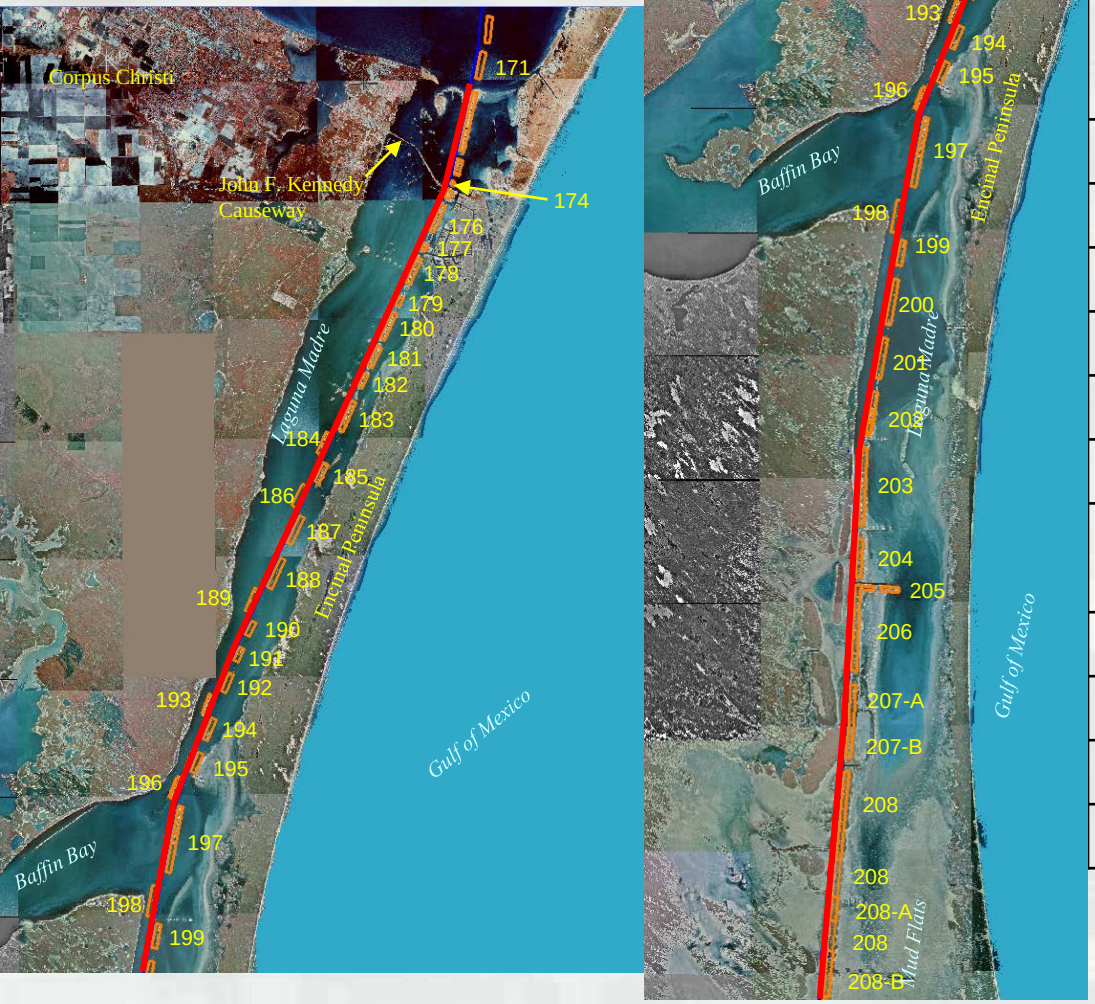
Project:	Gulf Intracoastal Waterway Caney Creek to Upper Matagorda Bay; Brazos River Crossing
Dredging Depth:	16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined
Distance to Placement Area:	1 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	March 1, 2019

GULF INTRACOASTAL WATERWAY – ACROSS SAN ANTONIO BAY; MATAGORDA BAY TO CORPUS CHRISTI; MSC INTERSECTION



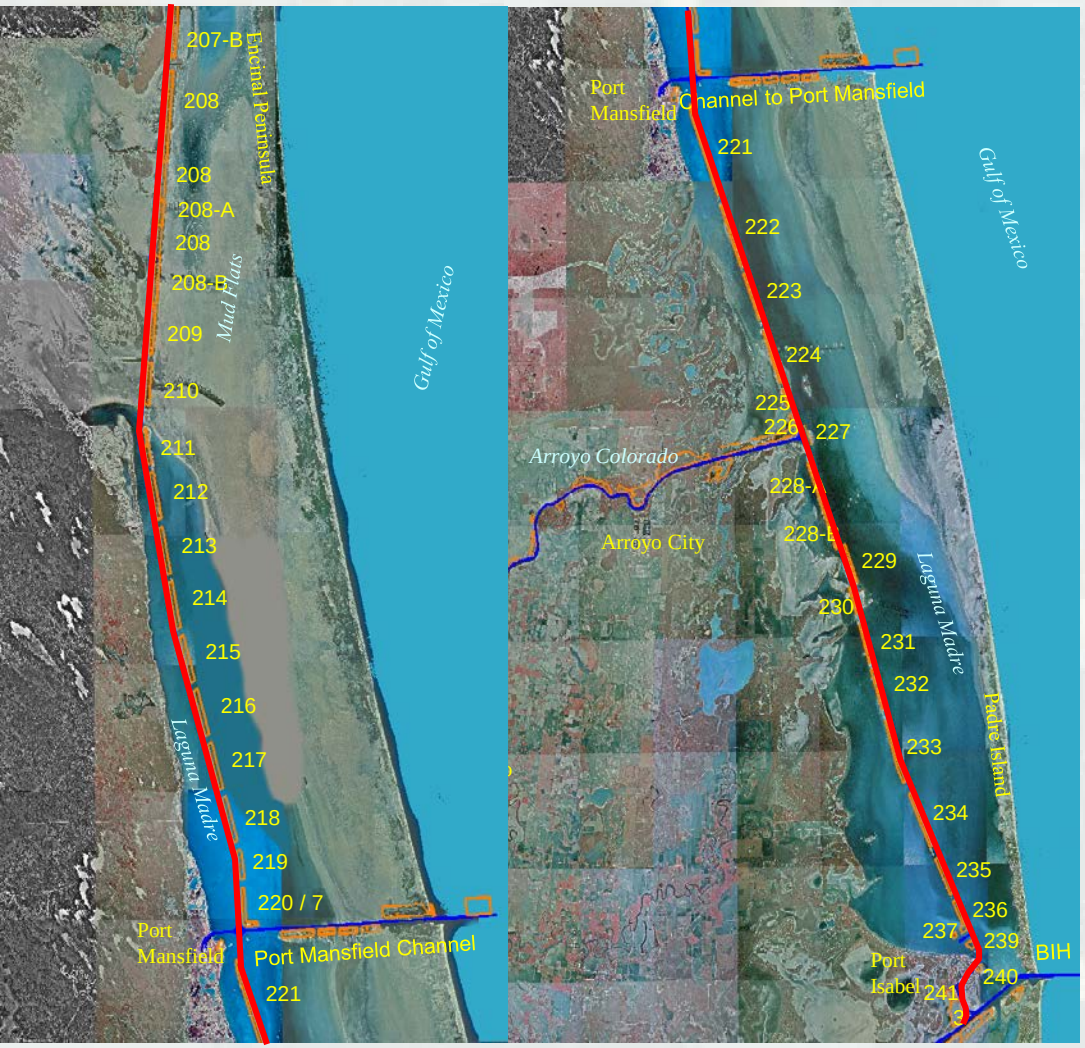
Project:	GIWW - Across San Antonio Bay / Matagorda Bay to Corpus Christi; GIWW / MSC Intersection
Dredging Depth:	14-16 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,000,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined/BU
Distance to Placement Area:	1 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	March 19, 2019

GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL/ CHANNEL TO HARLINGEN



Project:	Gulf Intracoastal Waterway Corpus Christi to Port Isabel/ Channel to Harlingen
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/BU Sites
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Nov. - 28 Feb.
Reason for Window:	Seagrass
Award:	August 15, 2019

GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL/ CHANNEL TO HARLINGEN

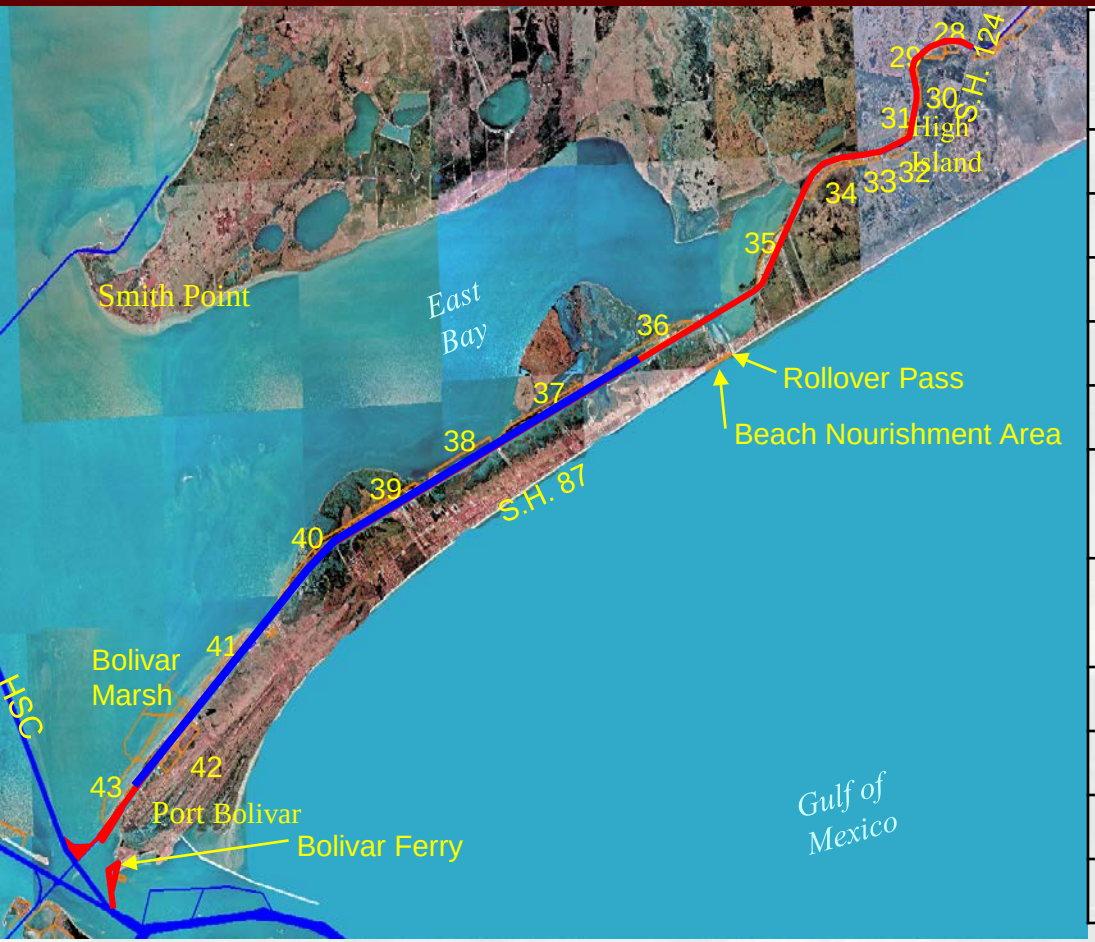


Project:	Gulf Intracoastal Waterway Corpus Christi to Port Isabel/ Channel to Harlingen
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/BU Sites
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Nov. - 28 Feb.
Reason for Window:	Seagrass
Award:	August 15, 2019

GULF INTRACOASTAL WATERWAY CORPUS CHRISTI TO PORT ISABEL/ CHANNEL TO HARLINGEN

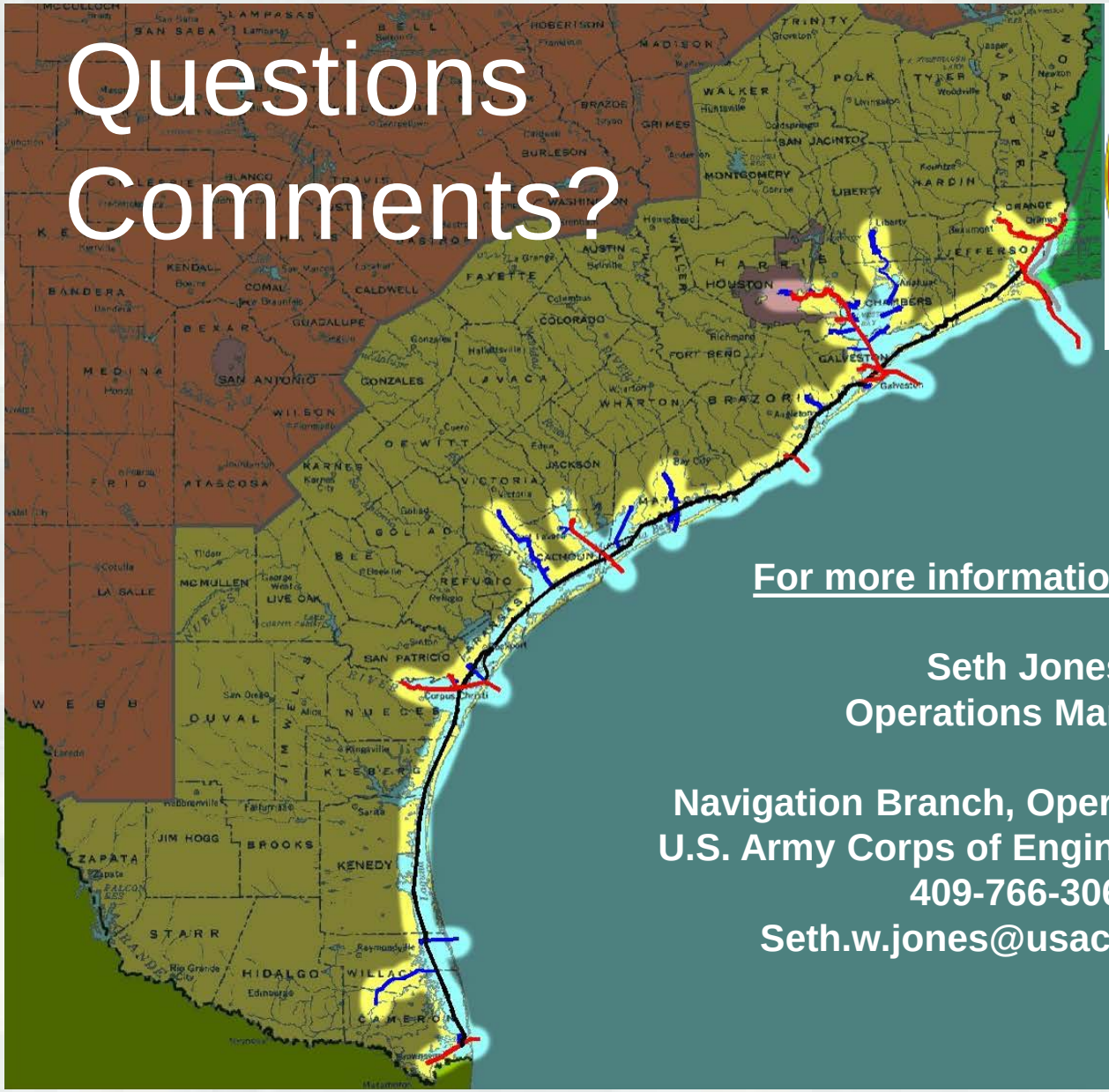
Project:	**Channel to Harlingen**
Dredging Depth:	14 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	1,500,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Upland
Distance to Placement Area:	3 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	1 Mar. – 31 Aug.
Reason for Window:	Nesting Birds
Award:	August 15, 2019

GULF INTRACOASTAL WATERWAY – HIGH ISLAND TO ROLLOVER; BOLIVAR FLARE; CHANNEL TO PORT BOLIVAR



Project:	GIWW - High Island to Rollover; Bolivar Flare; Channel to Port Bolivar
Dredging Depth:	15 ft. Required Depth
Dredging Width:	125 ft.
Dredging Length:	Varies
Dredging Quantity:	800,000 cubic yards
Material Type:	Fine Silt/Sand
Placement Area:	Open/Upland Confined/BU
Distance to Placement Area:	1 Miles Avg.
Type of Equipment:	Pipeline
Env. Window:	NA
Reason for Window:	NA
Award:	September 17, 2019

Questions Comments?



For more information, contact:

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Seth.w.jones@usace.army.mil

Cedar Bayou

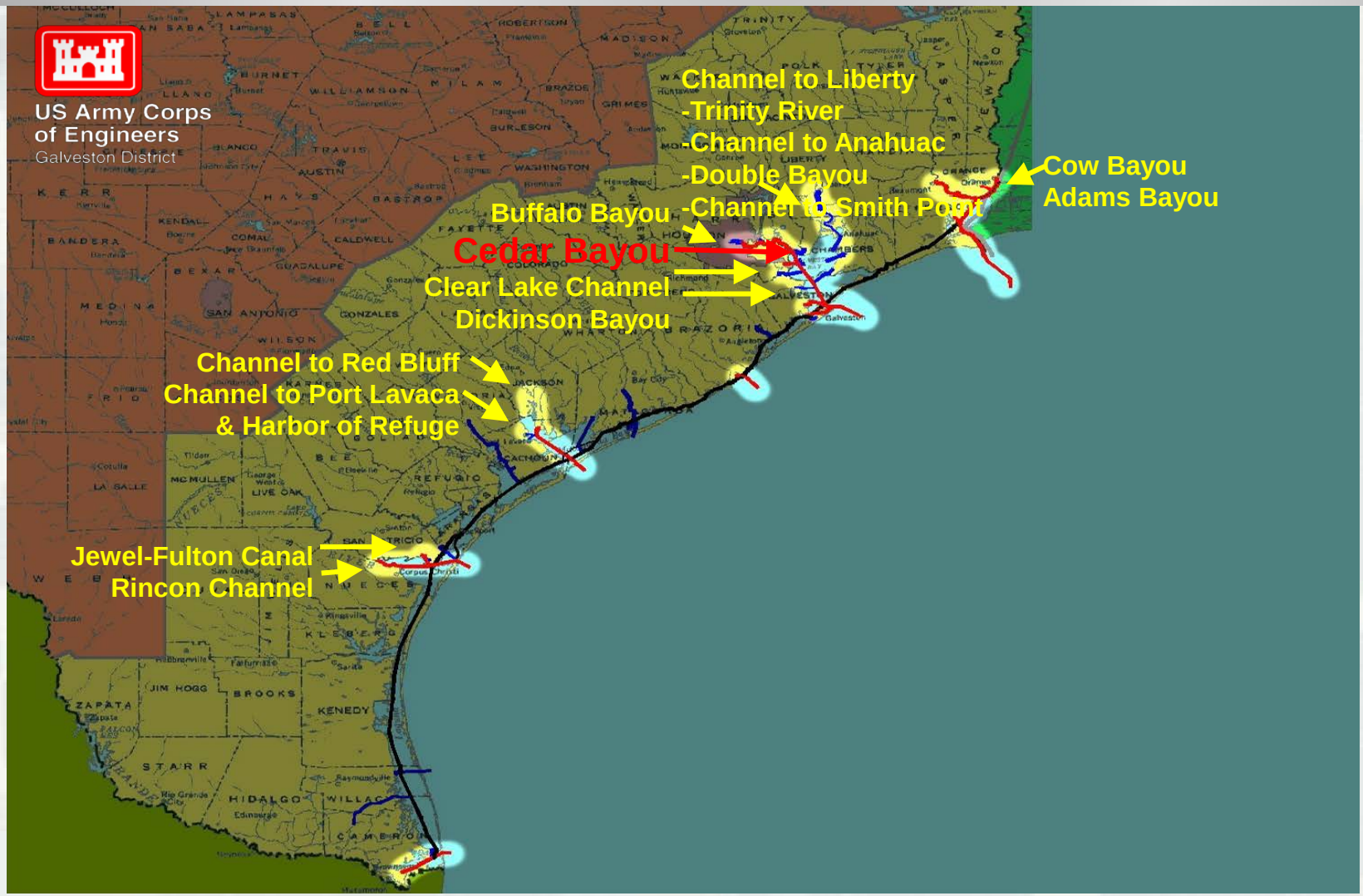
Ashton Burgin
Operations Manager
Navigation Branch
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

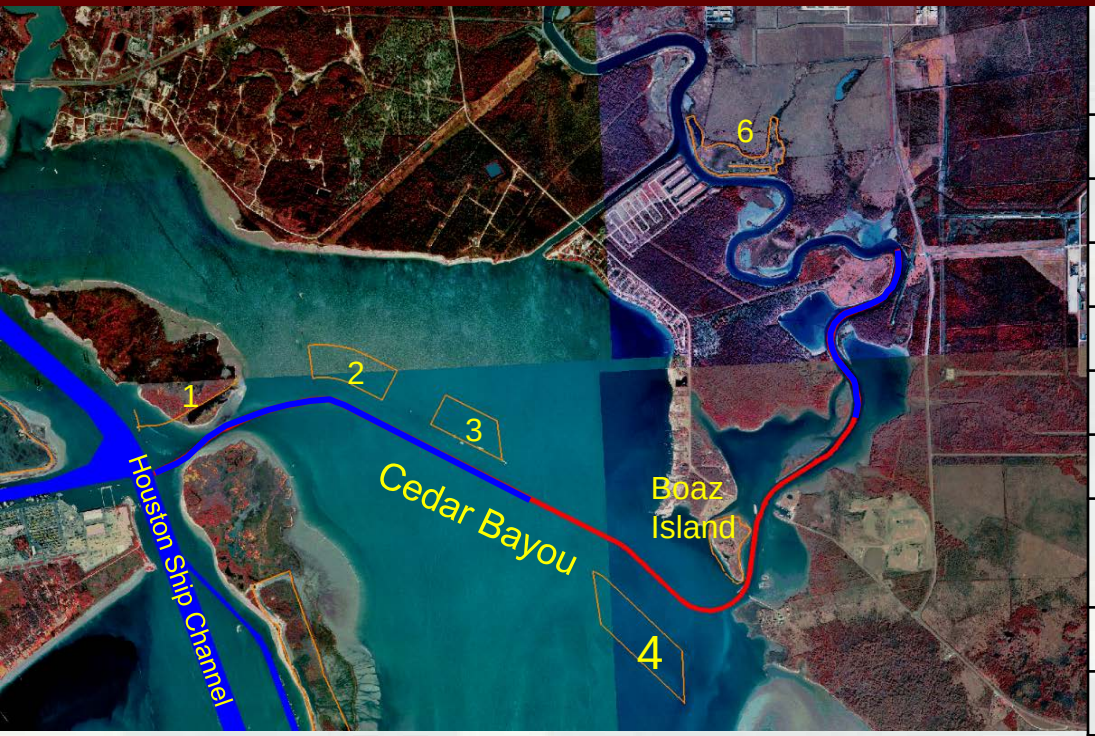
US Army Corps of Engineers
BUILDING STRONG®

SHALLOW DRAFT TRIBUTARIES
FY18 CONTRACT SCHEDULE



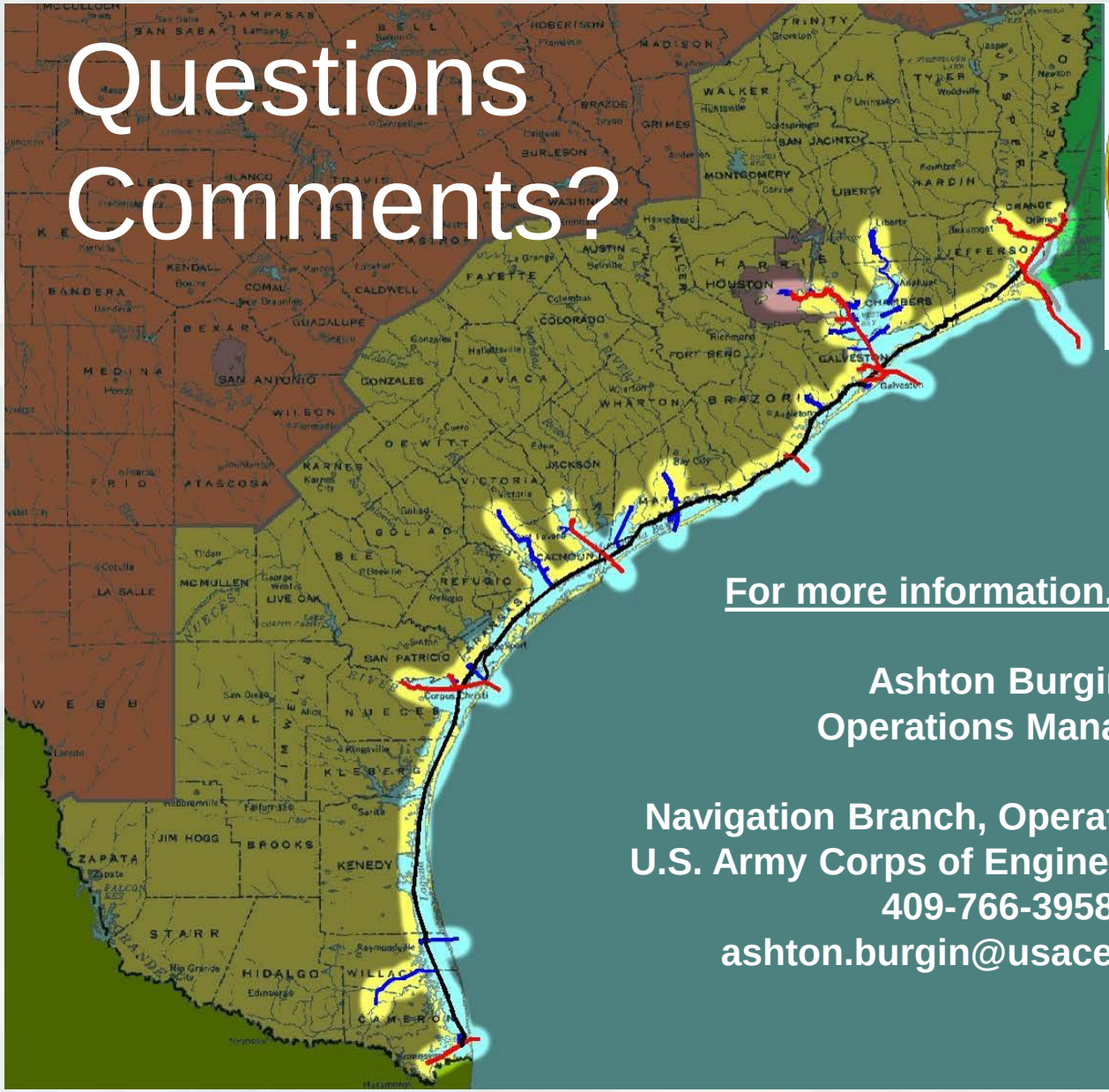
HOUSTON SHIP CHANNEL TRIBUTARIES
CEDAR BAYOU

CEDAR BAYOU



Project:	Cedar Bayou
Dredging Depth:	12 ft. Required Depth
Dredging Width:	100 ft.
Dredging Length:	Varies
Dredging Quantity:	680,000 cubic yards
Material Type:	Silt/Sand
Placement Area:	Open water
Distance to Placement Area:	4 Mile Avg.
Type of Equipment:	Pipeline Dredge
Env. Window:	NA
Reason for Window:	NA
Start Date:	November 1, 2018
Est. Completion Date:	February 12, 2019

Questions Comments?



U.S. ARMY CORPS OF ENGINEERS
ESTABLISHED 1880
GALVESTON DISTRICT

For more information, contact:

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Operations Manager

Navigation Branch, Operations Division
U.S. Army Corps of Engineers, Galveston
409-766-3958
ashton.burgin@usace.army.mil

Brazos River Floodgates, Colorado River Locks & Mooring Buoy Maintenance

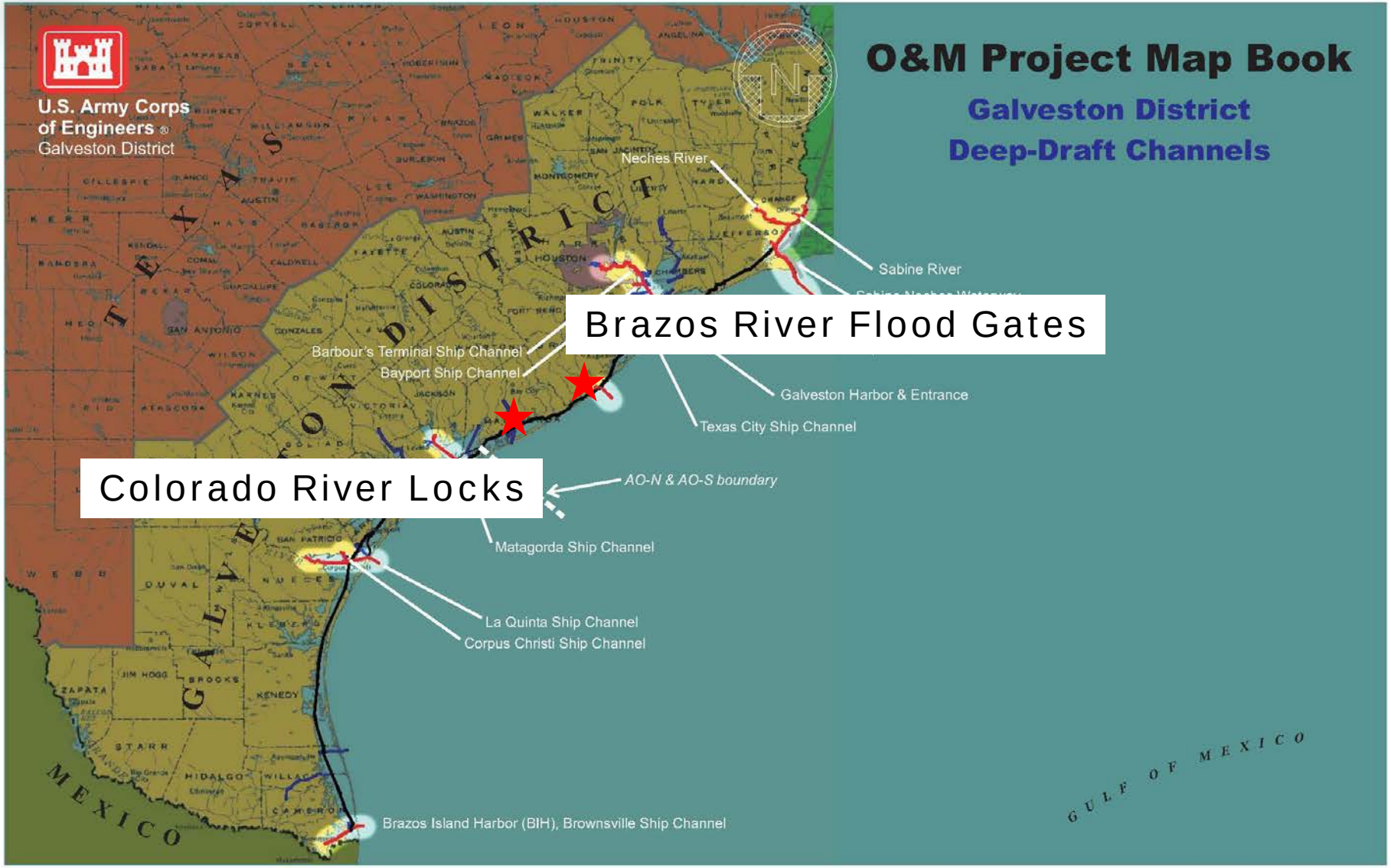
Eric Russek, P.E.
Operations Manager
Project Operations Br, Galveston
31 October 2017

Galveston District – Dredging Meeting

Custodians of the Texas Coast

US Army Corps of Engineers
BUILDING STRONG®

Navigation Project Facilities



Navigation Project Facilities


Brazos River Floodgates

- Minimize shoaling at river crossings
- Safety


Colorado River Locks

FY 2018 Contract
Brazos River Floodgates
And Colorado River Locks

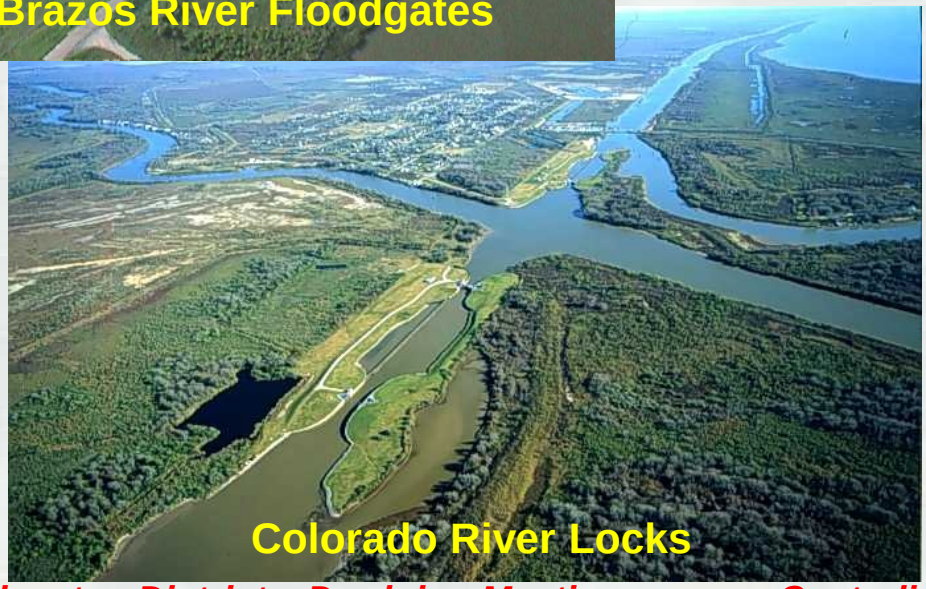
GULF INTRACOASTAL WATERWAY
BRFG & CRL Consolidated Repairs

Brazos River Flood Gates and Colorado River Locks	Consolidated Repairs
Dredging Depth:	NA
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	NA
Type of Equipment:	Structural and Building Components
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	July 23, 2018
Est. Completion Date:	January 19, 2019

FY 2019 Contract
Brazos River Floodgates
And Colorado River Locks

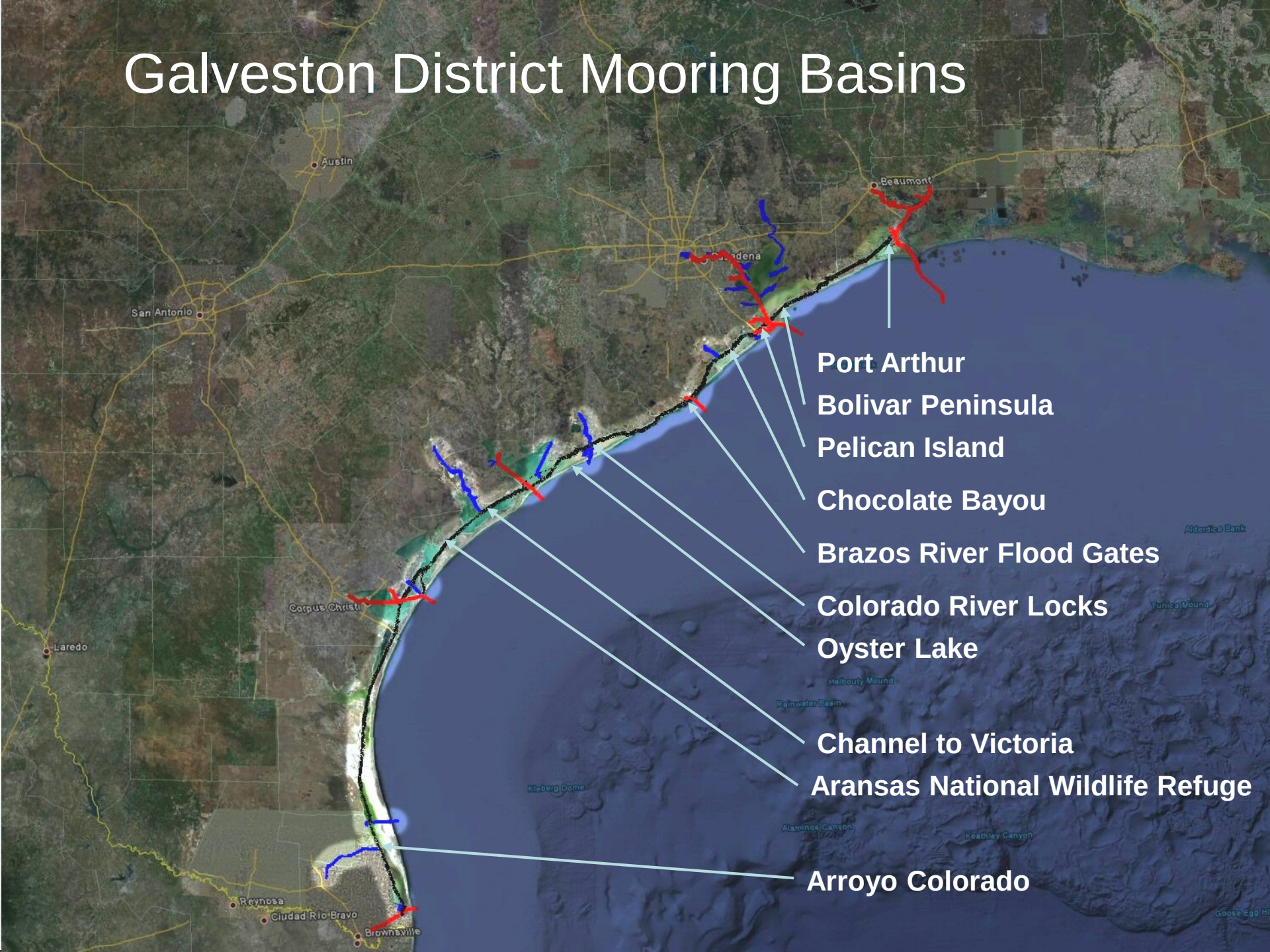
GULF INTRACOASTAL WATERWAY
BRFG & CRL Consolidated Repairs


Brazos River Floodgates


Colorado River Locks

Brazos River Flood Gates and Colorado River Locks	Consolidated Repairs
Dredging Depth:	NA
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	NA
Type of Equipment:	Miscellaneous Facility Items
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	3rd Quarter FY19
Est. Completion Date:	1st Quarter FY20

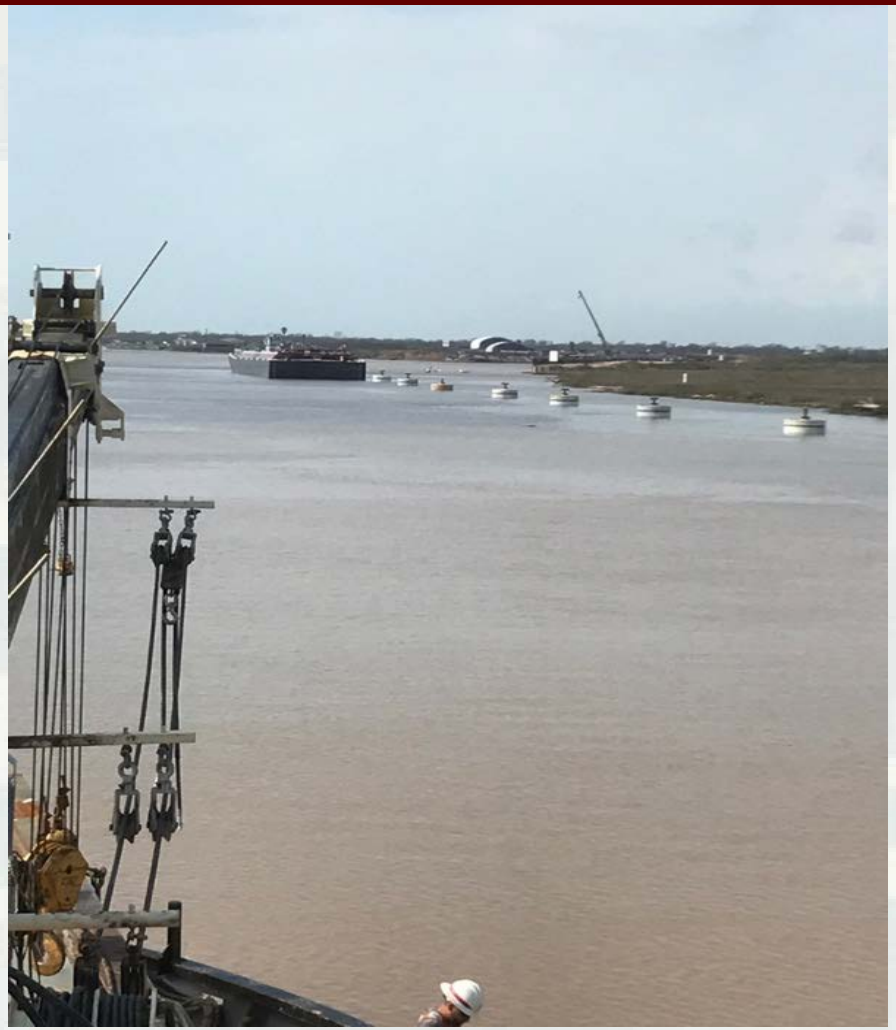
Galveston District Mooring Basins



Mooring Buoy Update
GIWW

- Buoy Procurement
  - Twenty of 50 buoys from last Contract have been received and will be deployed in buoy re-spacing project. Anticipate the remaining 30 buoys delivered within the next 60-120 days
- Buoy Re-Spacing
  - USACE Wilmington District marine crew (*M/V Snell*) re-spacing and installing buoys at 5 priority basins: BRFG, CRL, Pelican Island, Bolivar Peninsula and Port Arthur. BRFG and CRL are complete.
  - M/V Snell and crew performing additional marine work within Galveston District boundaries
- Truston Buoy Repairs
  - Forensic investigation of buoys was performed at contractor's facility and resulted in problem identification
  - Contractor and USACE have determined a solution, design, and share in the cost for retrofitting the buoys such that they can be safely deployed
- Buoy Maintenance Service Contract
  - Task Orders awarded in August 2017 under a Blanket Purchase Agreement
  - React faster to buoy needs and provide for ability to address multiple basins concurrently

Brazos River Flood Gates
Freeport, Texas



A total of 36 buoys have been re-spaced to 150’ on center and installed at BRFG – 9 buoys per bank

Colorado River Locks
Matagorda, Texas

A total of 40 buoys have been re-spaced to 150’ on center and installed at CRL – 10 buoys per bank

Brazos and Colorado Rivers
US Geological Survey Pile Clusters for Data Collection Platforms

Two six-pile clusters were installed for the USGS Data Collection Platforms (DCPs) in the Brazos and Colorado Rivers. A total of five, three-pile clusters were installed in front of the Brazos DCP to deflect debris travelling down river.

Colorado River Locks Guidewall Repairs

Galveston District – Dredging Meeting - Custodians of the Texas Coast

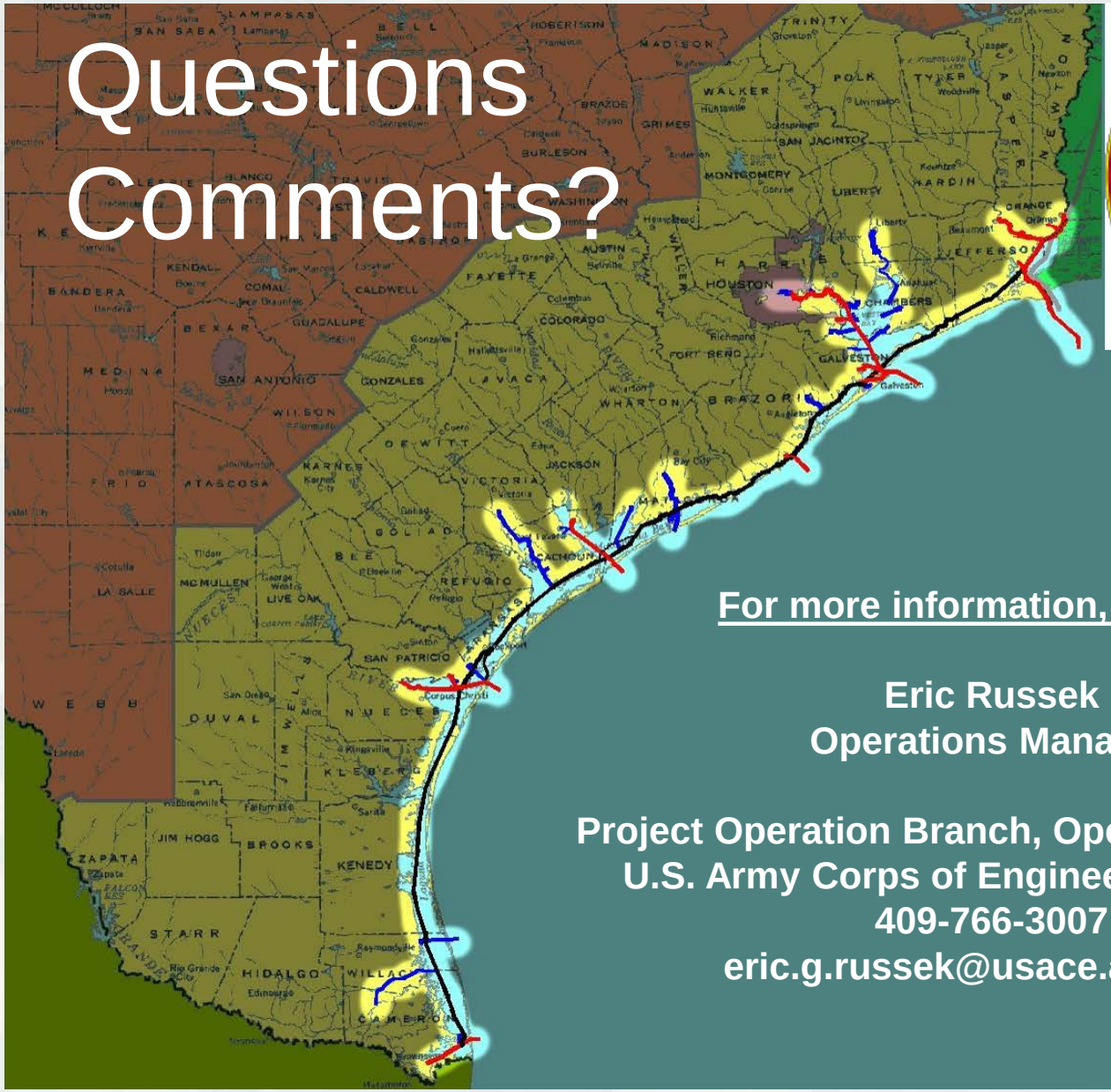
Brazos River Flood Gates Boathouse Dredging

Over 1,500 CY of dredged material (approximately 6’ thick) and 3 tons of debris were removed from the BRFG boathouse

US Fish and Wildlife Service
Port O'Connor, Texas

A total of fifteen, 40' long pilings were installed at the USFWS boat basin after removing existing, deteriorated pilings

Questions Comments?



For more information, contact:

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Operations Manager

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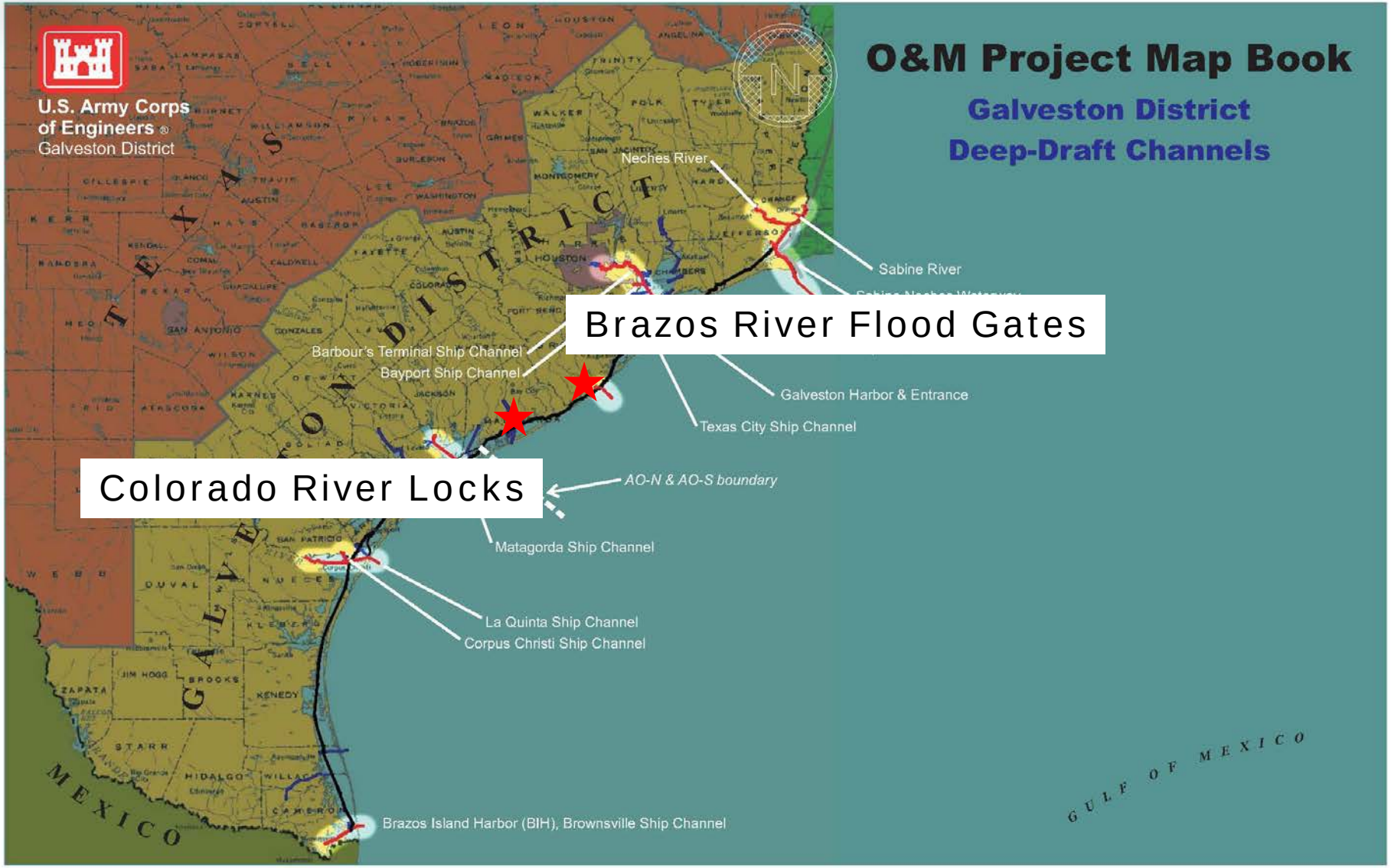
U.S. Army Corps of Engineers, Galveston
409-766-3007
eric.g.russek@usace.army.mil

Navigation Project Facilities



Navigation Project Facilities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- Safety


Colorado River Locks

FY 2018 Contract
Brazos River Floodgates
And Colorado River Locks

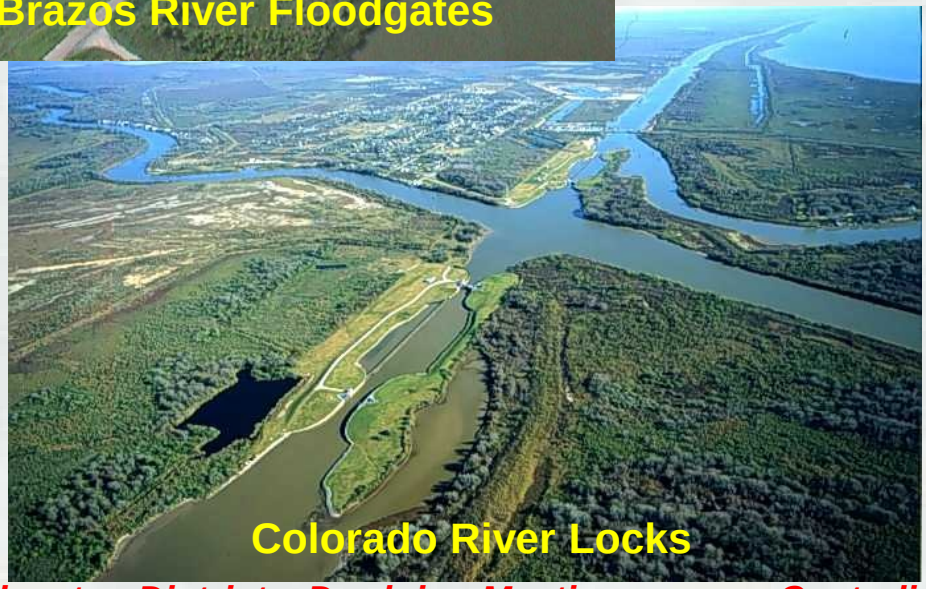
GULF INTRACOASTAL WATERWAY
BRFG & CRL Consolidated Repairs

Brazos River Flood Gates and Colorado River Locks	Consolidated Repairs
Dredging Depth:	NA
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
Material Type:	NA
Placement Area:	NA
Type of Equipment:	Structural and Building Components
Env. Window:	NA
Reason for Window:	NA
Est. Start Date:	July 23, 2018
Est. Completion Date:	January 19, 2019

FY 2019 Contract
Brazos River Floodgates
And Colorado River Locks

GULF INTRACOASTAL WATERWAY
BRFG & CRL Consolidated Repairs


Brazos River Floodgates


Colorado River Locks

Brazos River Flood Gates and Colorado River Locks	Consolidated Repairs
Dredging Depth:	NA
Dredging Width:	NA
Dredging Length:	NA
Dredging Quantity:	NA
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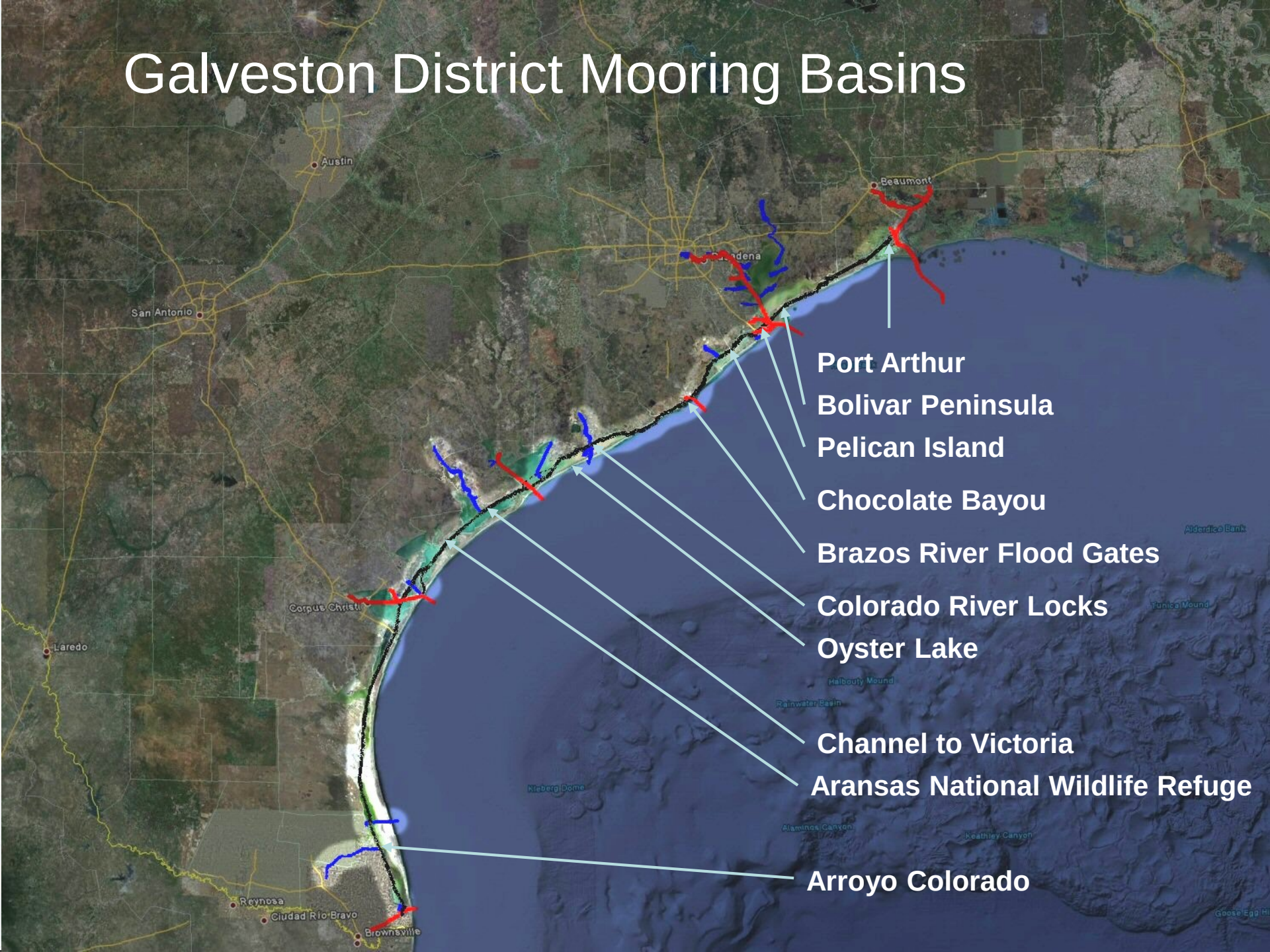
Galveston District Mooring Basins



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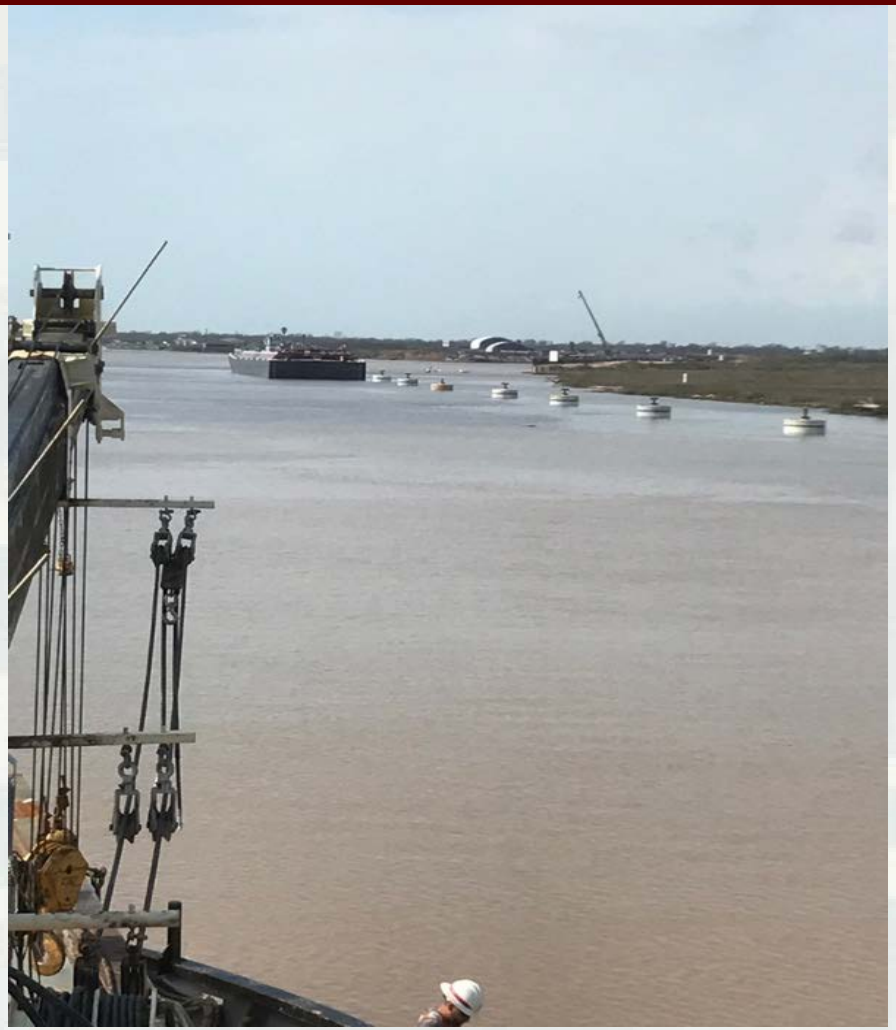

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Colorado River Locks
Matagorda, Texas

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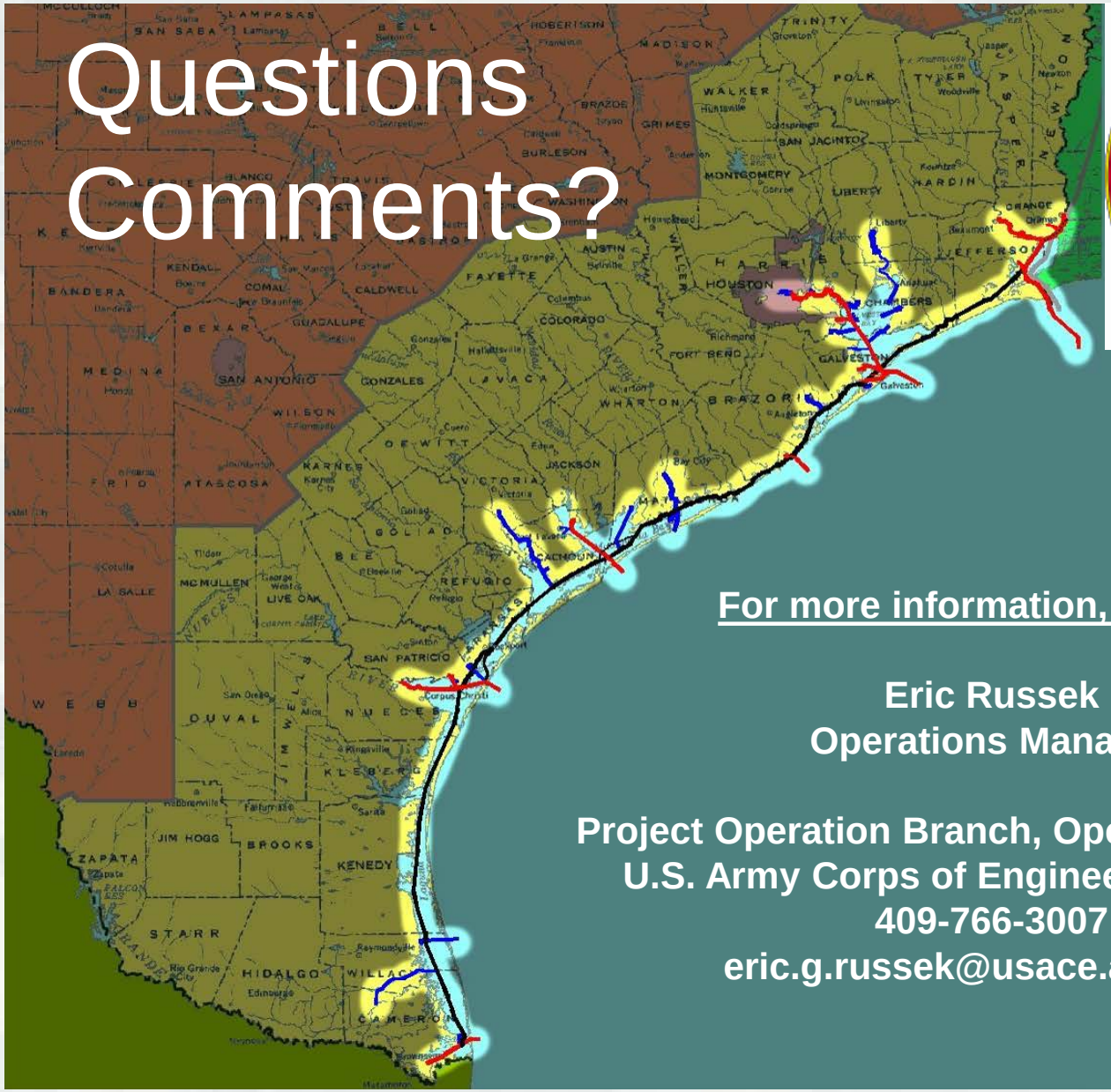

For more information, contact:

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Operations Manager

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