# WEDA Dredging Summit & Expo 2015

Infrastructure Opportunities in Coastal Texas

23 June 2015

COL Richard P. Pannell
District Commander, Galveston District
U.S. Army Corps of Engineers











# **Transforming Civil Works**

#### **USACE Vision**

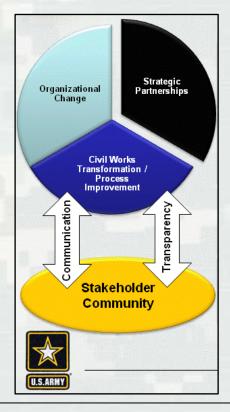
Engineering solutions for the Nation's toughest challenges.

#### **USACE Mission**

Deliver vital engineering solutions, in collaboration with our partners, to secure our Nation, energize our economy, and reduce risk from disaster.

The Galveston District is transforming our Civil Works program to keep pace with growth & opportunity along the Texas Coast









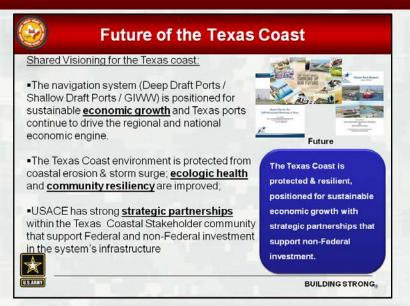


# **History of USACE in Coastal Texas**

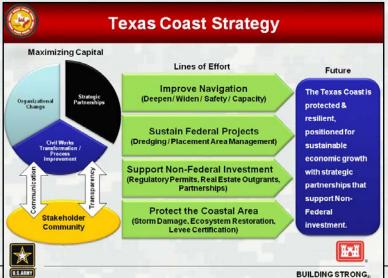




## Vision & Strategy for Texas Coast







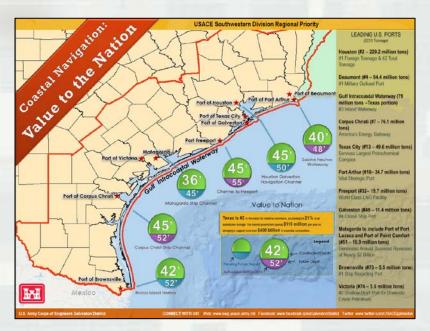
Working with state & local partners, the Galveston District supports a shared vision for the future of the Texas Coast



**BUILDING STRONG®** 



### Infrastructure Improvement



Ideal Conditions

- ➤TX energy & petro-chemical industry are driving the national economy
- ➤ Vulnerabilities & risks are greater than ever



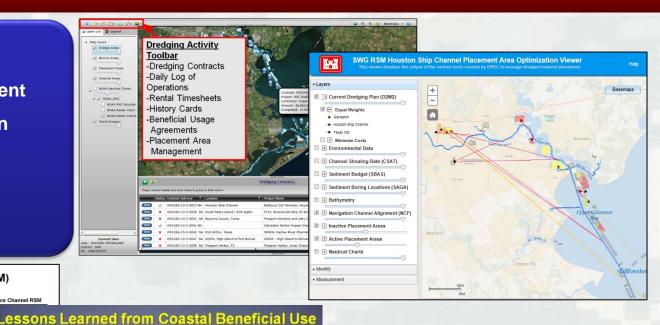




#### **District Initiatives**

#### **Innovative Tools & Thinking**

- •Regional Sediment Management
- Dredged Material Optimization
- Engineering With Nature
- •GIS Visualization
- Acquisition Tools







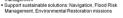






Regional Sediment Management is...

- Manage sediments and projects through a systems based approach
   Manage sediment resources as regional resources
- Link across multiple projects, programs, authorities, and business lines Improve operational efficiencies through adaptive











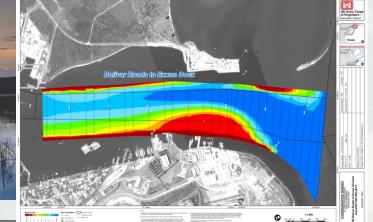




Features in Galveston Bay and Application to **Engineering With Nature (EWN)** Georganna B. Collins

Edmond J. Russo, Jr., PhD, PE, D.CE, D.NE, D.WRE

Todd. S. Bridges, PhD









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