

2016 WEDA Gulf Coast Chapter - Annual Conference

ODESS Overview

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Program Manager

USACE Mobile District

November 16th, 2016

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for a Better Tomorrow*





Talking Points

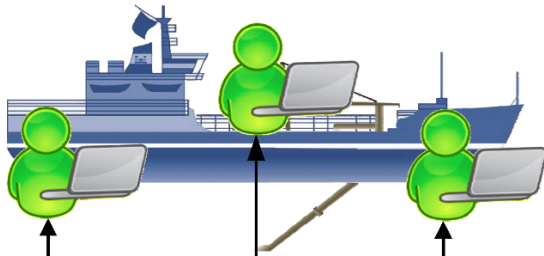


BUILDING STRONG

- What is ODESS?
- Current Products
- FY16 Pilots
- FY17 Guidance and Implementation
- Future Development

Endangered Species (ES) Data Collection

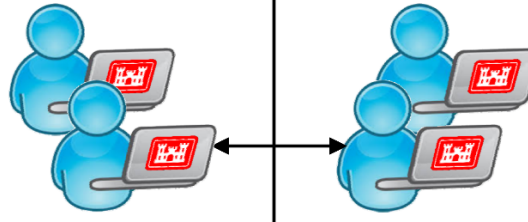
Dredger-Contracted Endangered Species Observers (ESOs) Using the Dredge's Field Collection Toolkit (FC) Computer



USACE District Data QA/QC



ODESS QA/QC
Management Site



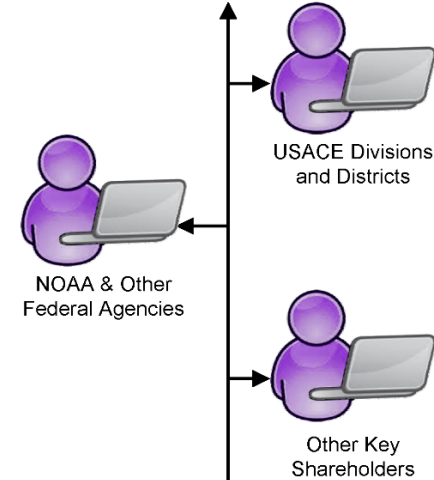
USACE District POCs

USACE District POCs

Publicly Accessible Endangered Species Observer (ESO) Data



ODESS
Public Website



USACE Divisions
and Districts

NOAA & Other
Federal Agencies

Other Key
Shareholders

ESO Monitoring Data is Submitted via the FC Tool to the ODESS QA/QC USACE Intranet Website (https://op-intra.sam.usace.army.mil/ODESS_MANAGER) and Reviewed by the Appropriate District POC

Data is Published to the ODESS Public Website (<http://dqm.usace.army.mil/odess>)

Remote Access

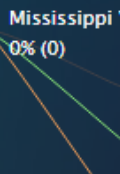
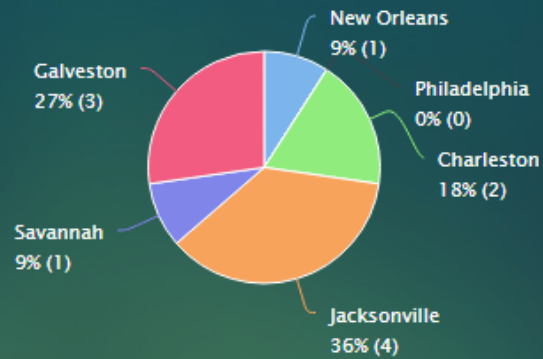
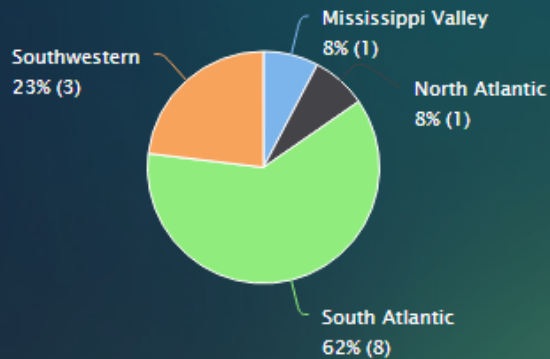


USACE ODESS Support



Operations & Dredging Endangered Species System (ODESS) Data Workflow and Support Model





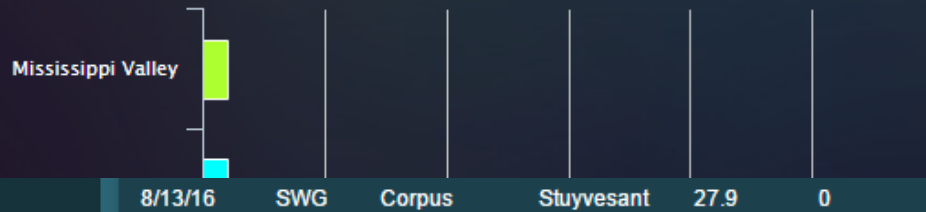
TAKES BY DIVISION

Division	ATLANTIC STURGEON	GREEN	KEMP'S RIDLEY	LOGGERHEAD	UNKNOWN	Projects	Cubic Yards	Total Takes	Takes Per Unit Effort
Mississippi Valley	0	0	1	0	0	1	0	1	1
North Atlantic	0	0	0	1	0	1	0	1	1
South Atlantic	3	5	5	10	1	8	0	24	3
Southwestern	0	1	0	3	0	3	0	4	1.33
Total	3	6	6	14	1	13	0	30	

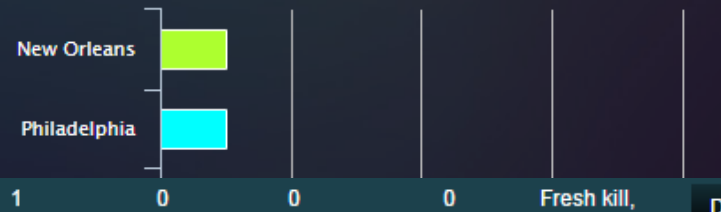
TAKES BY DISTRICT

District	ATLANTIC STURGEON	GREEN	KEMP'S RIDLEY
New Orleans	0	0	1
Philadelphia	0	0	0
Charleston	1	0	5
Jacksonville	2	4	0
Savannah	0	1	0
Galveston	0	1	0
Total	3	6	6

TAKES BY DIVISION/SPECIES



TAKES BY DISTRICT/SPECIES





U.S. ARMY

Project Information

Freeport Harbor - Galveston

Region: GULF Sub-Region: WG

Fiscal Year: 2016	Project Start/Last Data Received: 9/3/16 - 10/18/16	Contract Number: W9126G-16-C-0050	
Total Cubic Yards: N/A	Days Dredging: N/A	Hours Dredging: N/A	Total Takes: 0
Contract Type: CIVIL	Project Type: MAINTENANCE	Biological Opinion: GULF REGION (GRBO)	

Project Description: Freeport Harbor Project

Load & Take/Incident Information

Types of Material:
• MUD

Average Air Temp (°F): 80.7

Average Water Temp Surface (°F): 82.9
Average Water Temp Mid (°F): N/A
Average Water Temp Bottom (°F): N/A

Average Wave Height (Ft): 0.72

Loads:

LOAD NUMBER	LOAD START	LOAD END	DREDGE	OBSERVER/COMPANY	TAKE COUNT	
1	9/2/16 9:49 PM	9/3/16 12:03 AM	Newport	CHARLOTTE REAGAN/COASTWISE CONSULTING	0	Details
2	9/3/16 12:27 AM	9/3/16 2:20 AM	Newport	CHARLOTTE REAGAN/COASTWISE CONSULTING	0	Details
3	9/3/16 2:42 AM	9/3/16 4:29 AM	Newport	CHARLOTTE REAGAN/COASTWISE CONSULTING	0	Details
4	9/3/16 5:12	9/3/16 7:15	Newport	CHARLOTTE REAGAN/COASTWISE	0	Details

Takes Incidents

None
Take Coordinates are an approximation from DQM's Dredging State Analysis

Take Locations:

7:50	10:12	Island	WESTERMAN/COASTWISE	GREEN	2/20/16 11:40	Lisa Rodriguez/Coastwise	91 2056
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FY17 Implementation



BUILDING STRONG



Operations and Dredging Endangered Species System (ODESS) Guidance

This guidance should be incorporated into Section 01 57 20, "Environmental Protection," of the dredging specification based on the specific contract requirements and the discretion of USACE personnel. It is designed for both the dredging Contractor and the Endangered Species Observers responsible for monitoring the potential presence of sea turtles, sturgeon, and large whales.

MONITORING ENDANGERED SPECIES

Maintenance of US waterways for navigation is essential for national and international trade, job creation, and national security as well as for hydropower, flood protection, municipal water supply, agricultural irrigation, recreation, and regional development.

Typically, cutterhead pipeline, hopper, and mechanical dredges are used to maintain navigation depths in these channels and to construct new waterways. However, hopper dredging in the southeastern US potentially impacts five species of threatened or endangered sea turtles (Kemp's ridley, leatherback, loggerhead, green, hawksbill) and three species of sturgeon (shortnose, gulf, and atlantic).

To monitor these impacts and assist in the evaluation of these data, the US Army Corps of



Future Development

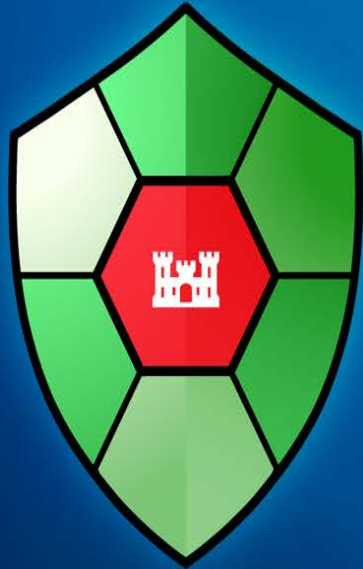


BUILDING STRONG

- Incorporate FY16 Pilot Feedback/Recommendations in V2

- Mobile Space
 - ▶ Simple App for district and observer users
 - ▶ ~~Training (New)~~ **Continue to improve the UX!**

- Notable Planned V2 Product Enhancements:
 - ▶ “Wizard style” on observer electronic data entry
 - ▶ Continued DQM db Integration (e.g., Turtle Reports)
 - ▶ Advanced Query and Export Interface
 - ▶ Better Admin within Intranet Site



ODESS

Operations and Dredging Endangered Species System

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877-840-8024

<http://dqm.usace.army.mil/odess>

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