

CE-Dredge Dredging Histories

Clint Padgett

Chief, Spatial Data Branch

USACE Mobile District

Mobile, AL 36602

2012 RSM & EWN WORKSHOP

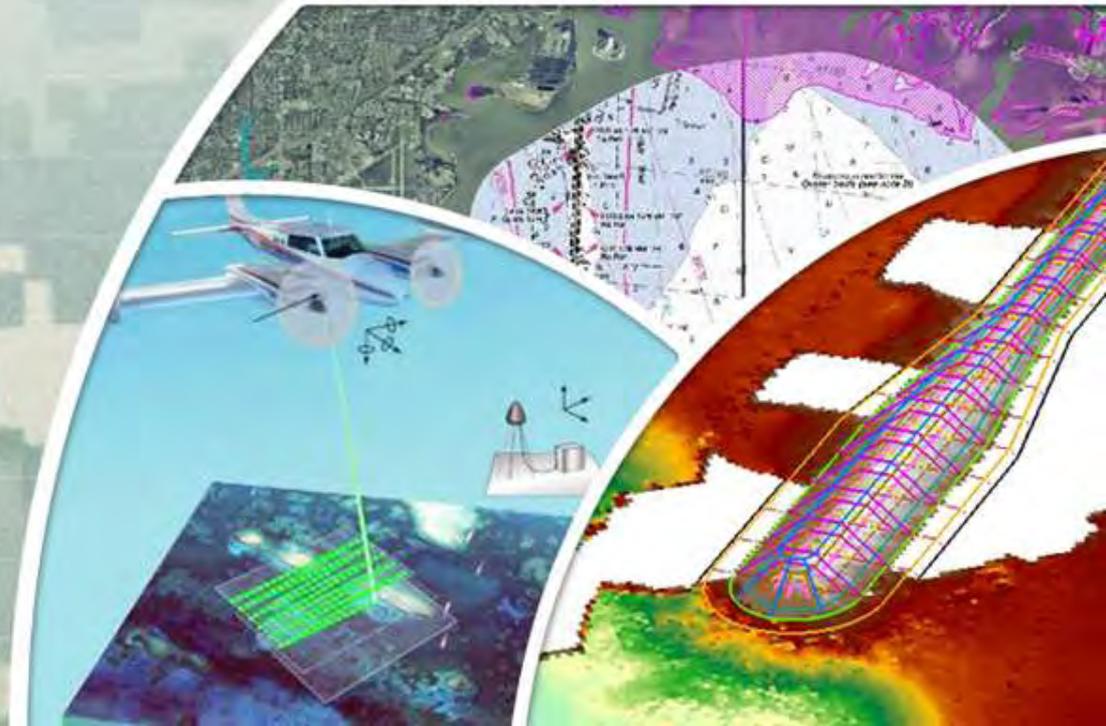
August 28-30, 2012

USACE Portland District



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CE-Dredge Home



US Army Corps of Engineers

menu

CE-Dredge

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What is CE-Dredge?

A comprehensive, standardized system to assist the USACE dredging mission by improving coordination, communication, and decision making in the planning, implementation, and management of dredging operations.

Welcome

CE-Dredge is a program to assist with the planning, monitoring, and management of USACE dredging operations. Under the CE-Dredge program, custom GIS and database applications support data access for dredging management. The purpose of this website is to do several things:

- Capitalize on eGIS capabilities to provide a national database structure for access to dredging information and data relevant to analysis of dredging operations
- Provide standardized applications to improve the planning and management of projects
- Improve the means for forecasting budgets and schedules in addition to future volumes, capacities, and needs for dredging and disposal facilities
- Improve environmental analysis capabilities relevant to dredging operations: delineate sea grass beds, bird islands, and marsh creation areas; and enhance environmental compliance monitoring and assessments
- Facilitate capture and maintenance of institutional knowledge in a database
- Reduce duplication of manual data entry
- Provide the ability to respond to data requests quickly



CE-Dredge Applications

Web Applications and Desktop Tools

What is CE-Dredge?

A comprehensive, standardized system to assist the USACE dredging mission by improving coordination, communication, and decision making in the planning, implementation, and management of dredging operations.

CE-Tools: Sediment Sampling Tool

The Sediment Sampling Toolbar allows users to organize and access all data related to a core boring or sediment testing activity. This ArcMap toolbar allows users to retrieve detailed sediment sample properties in correlation with any relevant sediment testing results and to link related documents such as core boring, gradation curves, or sediment testing reports. All required data structure is provided in the tool installation and detailed in the supplied documentation.

Details:

Type: ArcGIS Desktop Application (VB.NET)

User: Public and USACE

[Download](#)

CE-Tools: Data Viewer

This data access toolbar for use within the ArcGIS desktop application allows easy connection to participating District databases. The public can download this toolbar and configure it to link to their local data sources. The data viewer toolbar also includes basic tools to assist in the common functions within ArcGIS.

Details:

Type: ArcGIS Desktop Application (VB.NET)

User: Public and USACE

[Download](#)

Dredging Histories Viewer

With the Dredging Histories Viewer, District project engineers can spatially monitor and manage dredging activities within their project areas: dredging contracts, daily logs of operations, contractor timesheets, consolidated history cards, beneficial usage agreements, disposal area placement and maintenance, and sediment sampling. This application ties into the Dredging Histories Inspector website, resulting in a daily workflow of information. Registration is required.

Details:

Type: USACE Hosted Viewer

User: USACE Employees

[Launch Application](#)

Dredging Histories Inspector

The Dredging Histories Inspector allows inspectors, who evaluate contractors' work, to record their inspection results using online forms. These forms facilitate the recording of timesheets for rental contracts, the logging of dredging operations, and the evaluation of disposal area maintenance, resulting in the efficient use of available dredging resources. This information is available to District project engineers through the Dredging Histories Viewer. Registration is required.

Details:

Type: USACE Hosted Website

User: USACE Employees and Contractors

[Launch Application](#)

CE-Dredge Maps

What is CE-Dredge?

A comprehensive, standardized system to assist the USACE dredging mission by improving coordination, communication, and decision making in the planning, implementation, and management of dredging operations.

CE-Dredge Maps

Search maps 



Dredging



Navigation Surveys



Nautical Charts & Quad ...



Boundaries



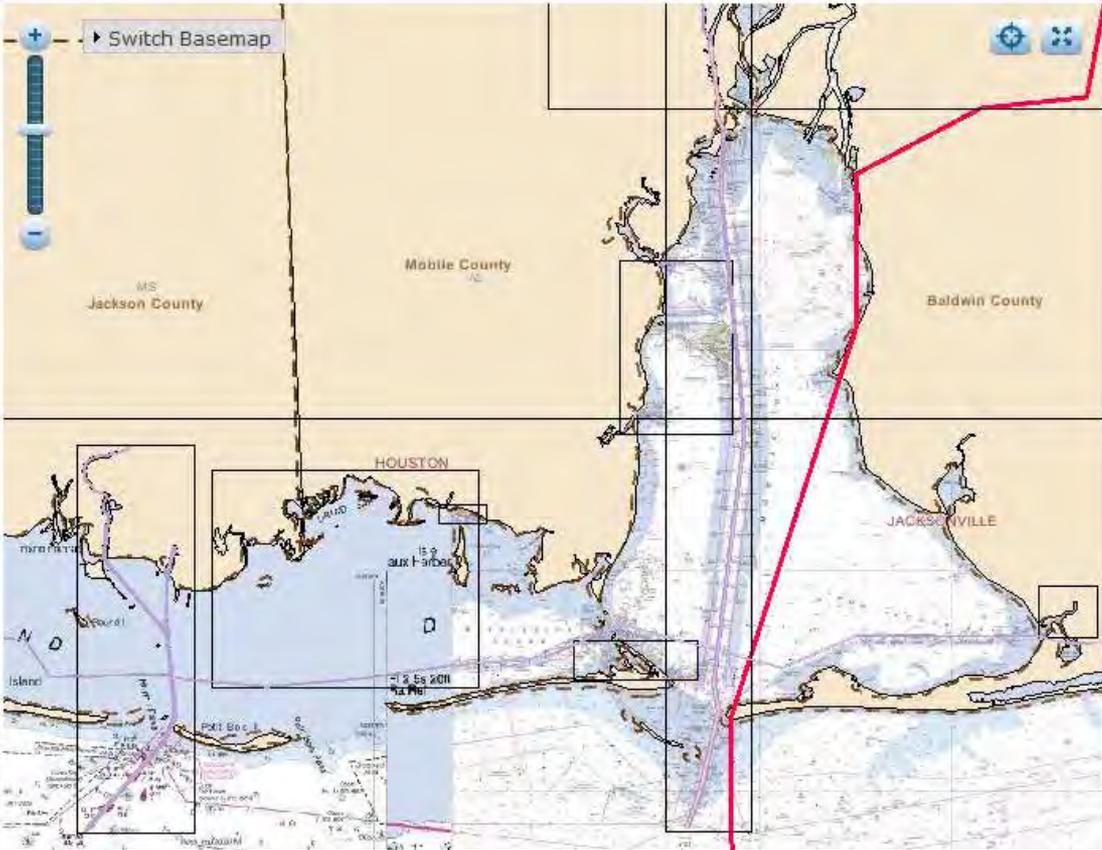
Habitat

CE-Dredge Map Gallery

CE-Dredge Map Gallery

Dredging

Locate an address



Switch Basemap

MS Jackson County

Mobile County

Baldwin County

HOUSTON

JACKSONVILLE

Legend About

- Project Dredging Areas
- Anchorage Areas in U.S. Waters
- Shipping Lanes in U.S. Waters
- Boundaries for U.S. Marine Protected Areas (MPAs)
- Restricted Areas in U. S. Waters
- Essential Fish Habitat - Areas Protected from Fish
- Economics: National Ocean Watch (ENOW)
- nowCOAST 'obs' WMS
- USA_Congressional_Districts
- USACE Civil Boundaries
- FWS_Wetlands_WMS
- NOAA Nautical

CE-Dredge Resources

What is CE-Dredge?

A comprehensive, standardized system to assist the USACE dredging mission by improving coordination, communication, and decision making in the planning, implementation, and management of dredging operations.

Resources

Library

The following documents are available to provide you with additional information on the CE-Dredge program. All documents are authorized for full distribution.

Links

District Programs

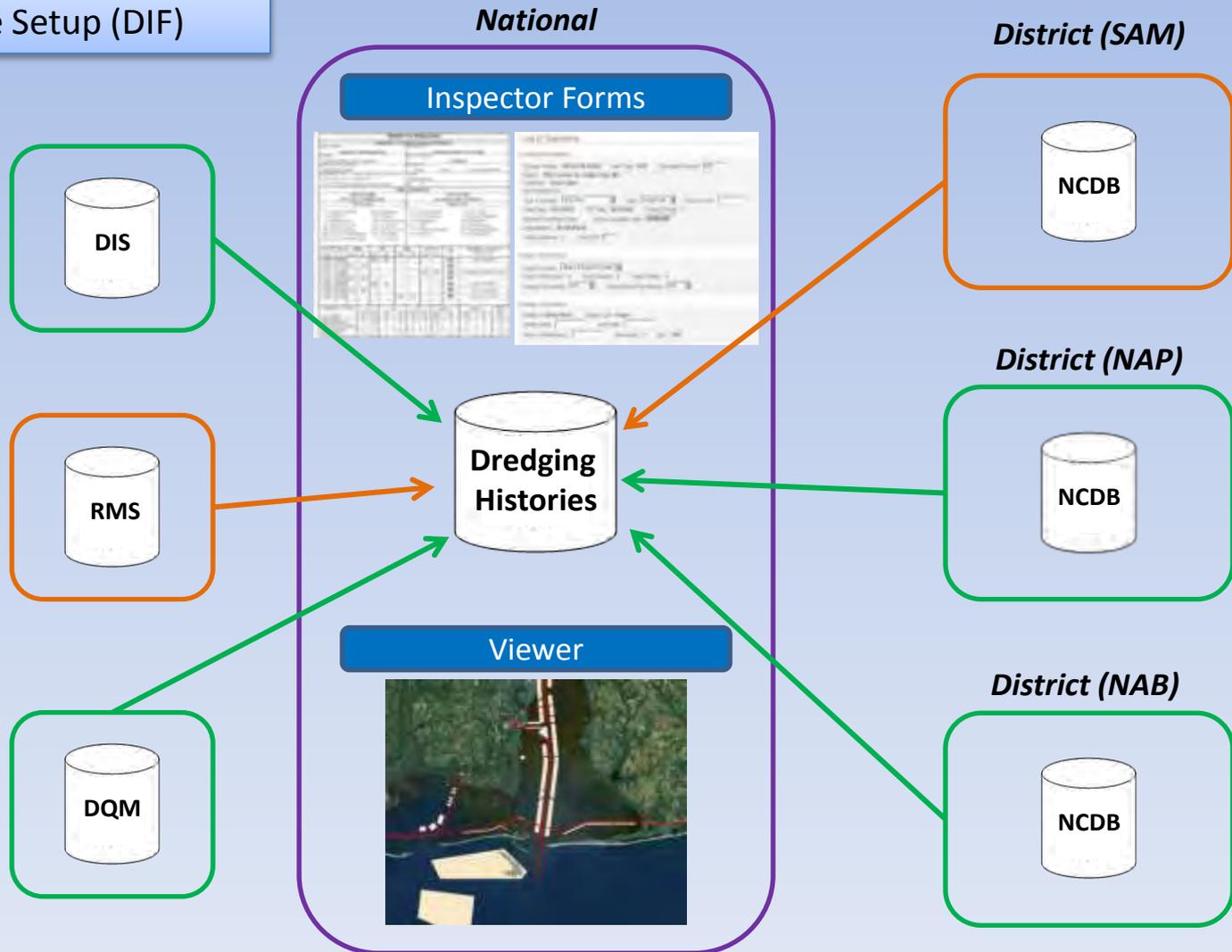
- ▶ [Regional Sediment Management, Mobile District](#)

National Programs

- ▶ [CIRP Products](#)
Links to access coastal analysis products developed by the Coastal Inlets Research Program (CIRP) at ERDC-CHL.
- ▶ [Coastal Navigation Asset Management System Portal](#)
Coastal Navigation Asset Management System Portal (USACE Only). Google Earth plug-in required.
- ▶ [DQM Data Viewer](#)
DQM (Dredge Quality Management) Data Viewer (USACE access only) to view and track near real time dredging activities.
- ▶ [Dredging Operations and Environmental Research](#)
DOER supports the Corps' Operation and Maintenance Navigation Program.
- ▶ [eCoastal](#)
eCoastal is an enterprise Geographic Information System (GIS) developed for coastal engineering business practices.
- ▶ [IENC Data Services Website](#)
Waterborne Commerce Statistics Center website.
- ▶ [Navigation Data Center \(NGC\)](#)
Navigation Data Center (NGC) website.
- ▶ [Navigation Gateway](#)
To provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.

Dredging Histories Architecture

Orange Lines: Current Setup
Green Lines: Future Setup (DIF)



Basic Environment

- Dredging Activities Toolbar
 - Dredging Contracts
 - Daily Log of Operations
 - Timesheets
 - History Cards
 - Beneficial Usage Agreements
 - Sediment Sampling
- Functional Toolbar for Printing, Measuring, Zooming and Base Map Selection
- CAC-enabled and Specific



Layer List Legend

Map Layers

- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Dredging Activity Toolbar

- Dredging Contracts
- Daily Log of Operations
- Rental Timesheets
- History Cards
- Beneficial Usage Agreements
- Sediment Sampling



Layer List Legend

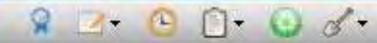
Map Layers

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Functional Toolbar
-Zoom (District Extents)
-Zoom Out
-Zoom In
-Printing
-Measure (Area & Distance)
-Base Map Selection

Basemaps

- World Imagery
- World Street Map
- Physical
- Topographic
- Light Gray Canvas
- Bing Aerials w/ Labels



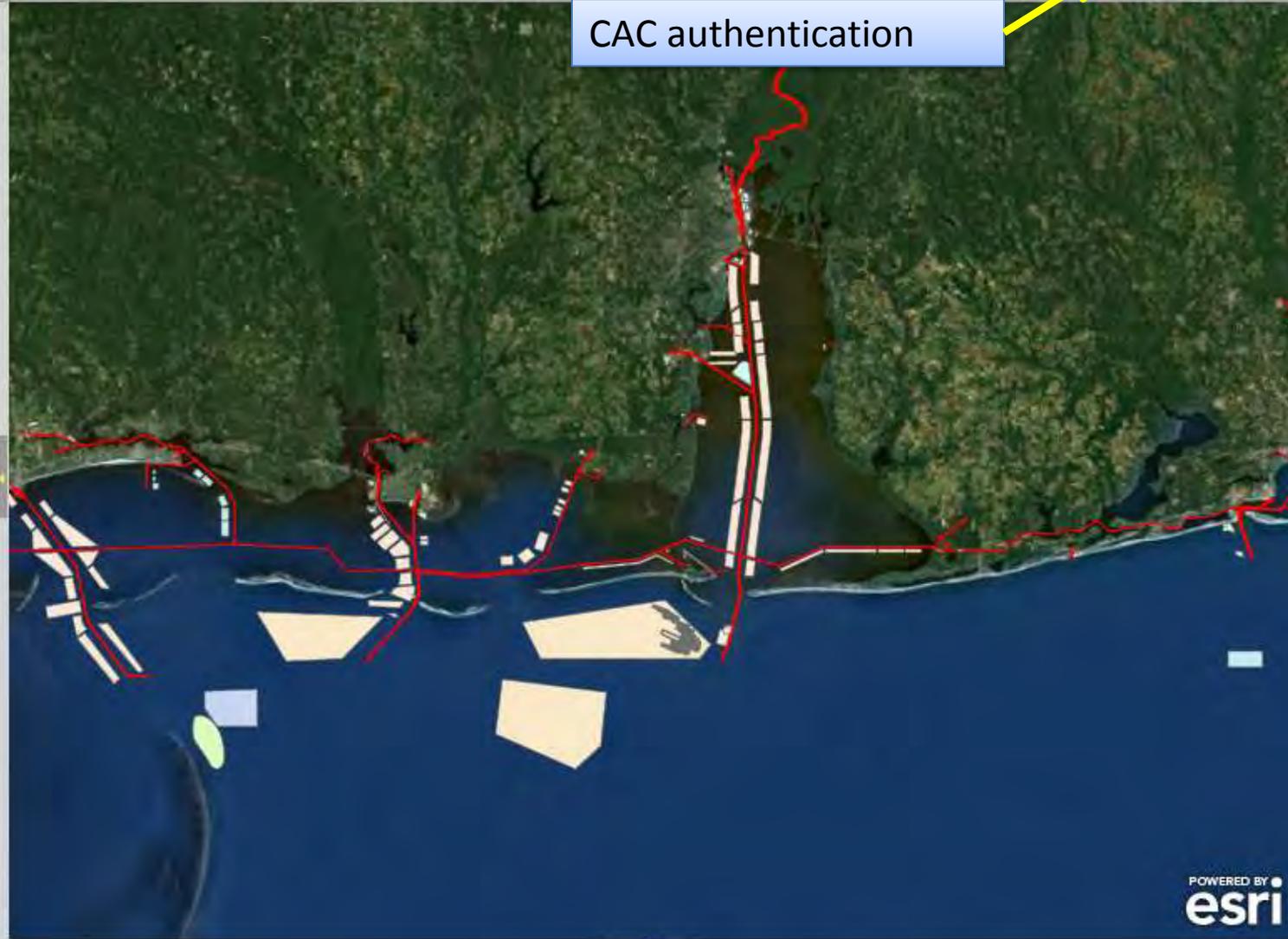
Basemaps ▾

CAC authentication



Layer List Legend

- Map Layers
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 - NOAA Nautical Charts
 - World Imagery



Layer List Legend

Map Layers

- DisposalAreas
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District specific by CAC

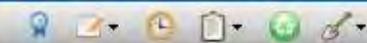


Layer List Legend

Map Layers

- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery





Layer List Legend

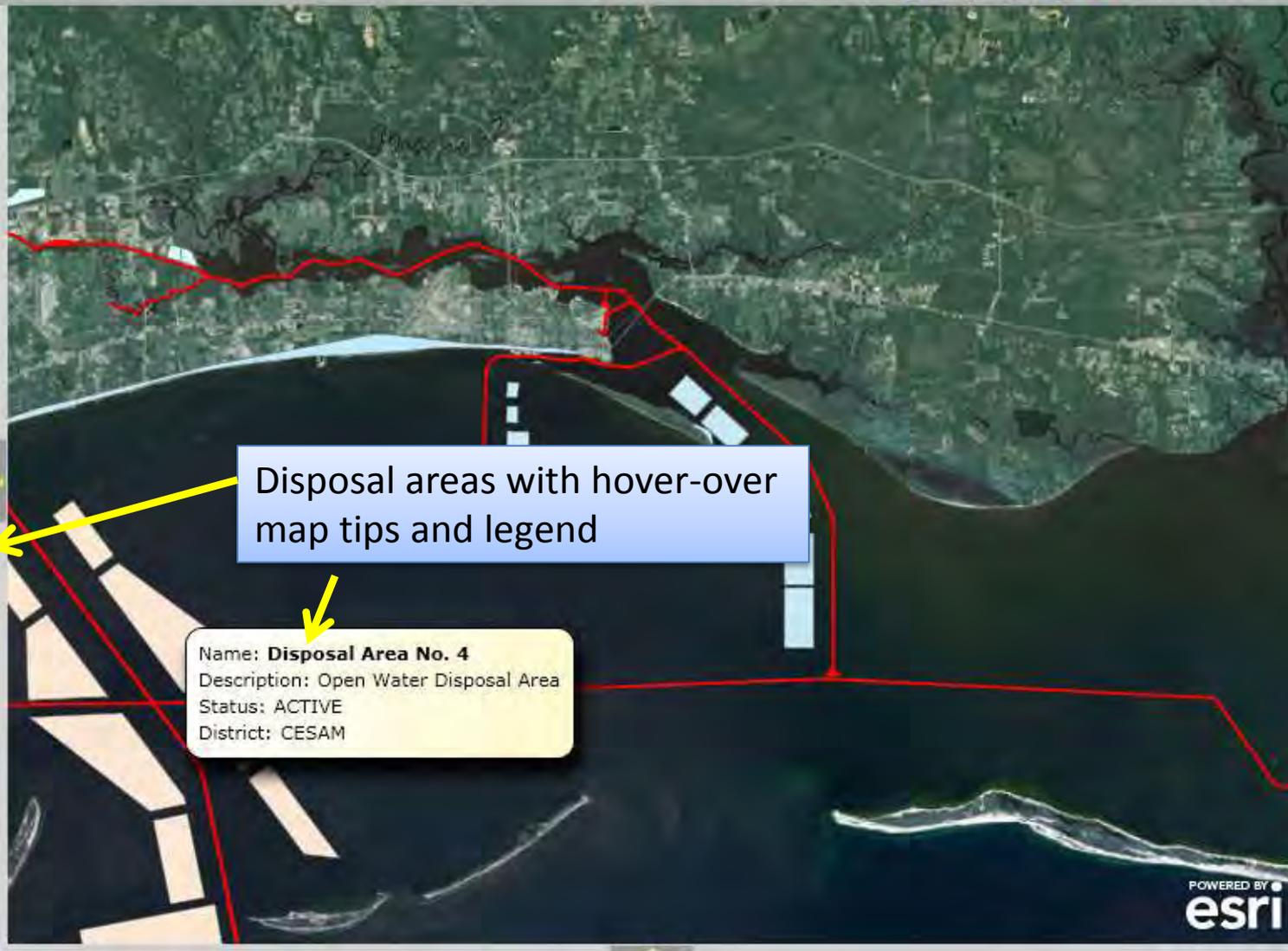
NOAA Nautical Charts

ChannelLanes



DisposalAreas

- <all other values>
- Beach placement area
- Capped placement area
- Estuarine placement area
- Littoral placement area
- Ocean placement area
- Old River Channel placement a
- Onshore placement area
- Open water confined placemen
- Open Water Emergent area
- Open water semi confined plac
- Open water unconfined placem
- Other placement area
- Placement Area Cells
- Proposed placement area
- Restricted placement areas
- Thin layer placement area
- Upland confined placement are
- Upland Partially Confined place
- Upland unconfined placement a
- Within Bank placement area



Disposal areas with hover-over map tips and legend

Name: **Disposal Area No. 4**
Description: Open Water Disposal Area
Status: ACTIVE
District: CESAM

Dredging Contracts

- Contracts can be imported from the RMS system or created manually.
- Contracts are managed through a spatial interface.
- Once contracts are set up and mapped, they are available to field inspectors for daily logs of operations and rental timesheets.

Layer List Legend

Map Layers

- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



Dredging contracts

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
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- World Imagery



Spatial reference and contract summary in map tip

Contract: W91278-11-D-0023 0003
 Project: Rental Dredging at Gulfport Harbor
 Contractor: Weeks Marine Incorporated
 Amount: \$1,598,143.50
 Completed: 20 Jul 2011

Grouped by: Contract Number

	Status	Contract Delivery	Location	Project Name	Contract Amc
View	✗	W91278-11-D-0017 0003	Mobile River	Dredging Shoals in Mobile River	
^ W91278-11-D-0023					
View	✗	W91278-11-D-0023 0001	Gulfport MS	Maintenance Dredging of Gulfport Harbor	\$3,751,357.5
View	✗	W91278-11-D-0023 0002		Maint. Dredging of Pascagoula Harbor	\$7,043,244.5
View	✓	W91278-11-D-0023 0003	Gulfport MS	Rental Dredging at Gulfport Harbor	\$1,598,143.5
View	✗	W91278-11-D-0023 0004	Pascagoula, MS	Maint. Dredging of Pascagoula Harbor	\$4,669,324.8
View	✓	W91278-11-D-0023 0005	Mobile, AL	Maintenance Dredging of Mobile Harbor	\$15,926,050.

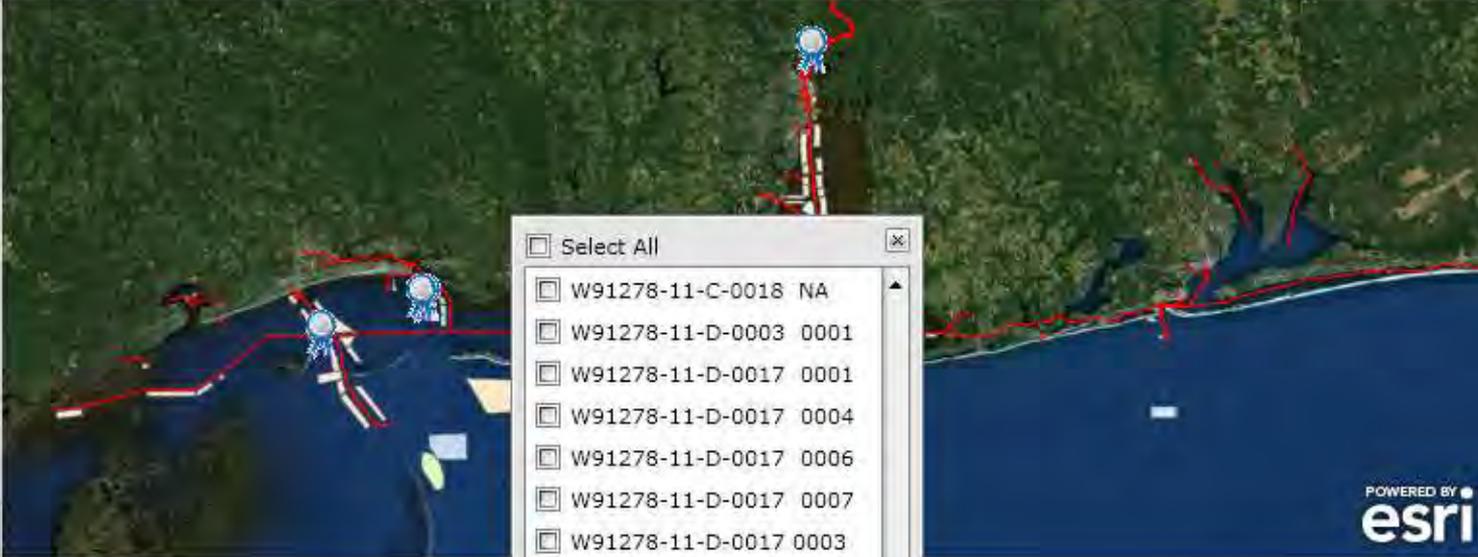


Dredging Contracts

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



Grouped by: Contract Number

Status	Contract Delivery
<input type="checkbox"/>	W91278-09-D-0043 0001
<input type="checkbox"/>	W91278-09-D-0043 0002
<input type="checkbox"/>	W91278-09-D-0043 0003
<input type="checkbox"/>	W91278-09-D-0043 0004
<input type="checkbox"/>	W91278-09-D-0047 0001
<input type="checkbox"/>	W91278-09-D-0047 0002
<input type="checkbox"/>	W91278-09-D-0047 0003
<input type="checkbox"/>	W91278-09-D-0047 0004

Select All

- W91278-11-C-0018 NA
- W91278-11-D-0003 0001
- W91278-11-D-0017 0001
- W91278-11-D-0017 0004
- W91278-11-D-0017 0006
- W91278-11-D-0017 0007
- W91278-11-D-0017 0003
- W91278-11-D-0023 0001
- W91278-11-D-0023 0002
- W91278-11-D-0023 0003
- W91278-11-D-0023 0004

Show rows with value that

Is equal to

And

Is equal to

Filter Clear Filter

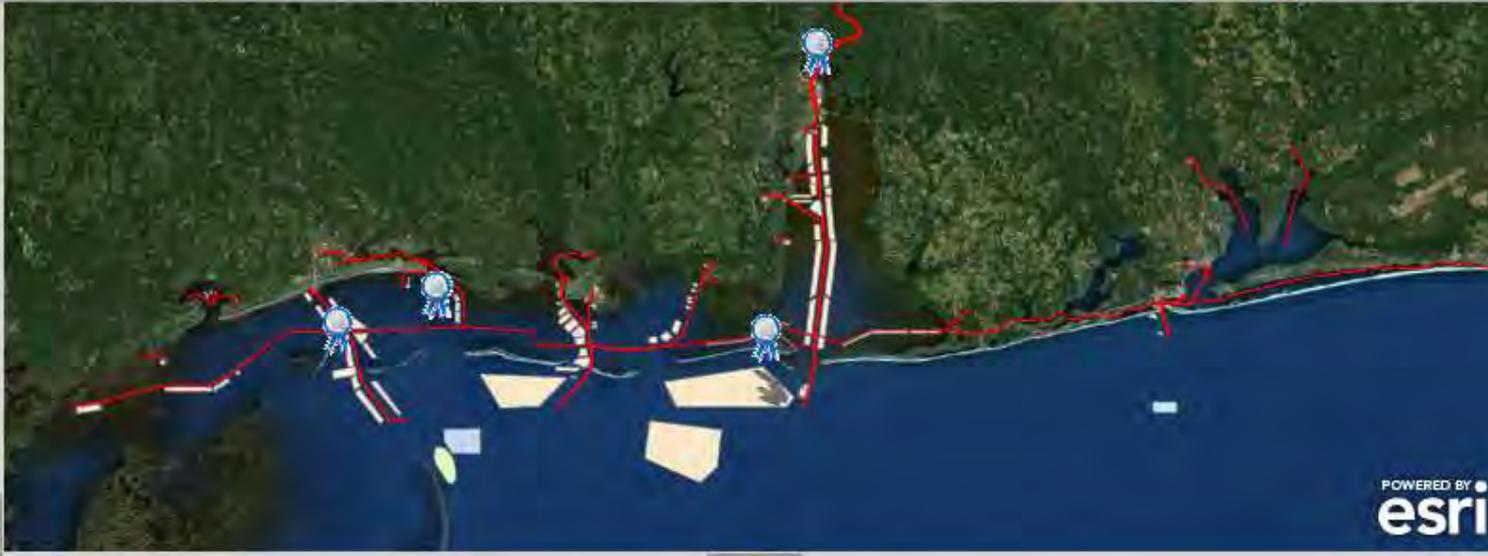
Contract Name	Contract Amount
and Maintenance Dredging	\$1,400,000.00
Dredging	\$221,750.00
Bon Secour River Channel	\$1,703,834.10
Merdivo Pass	\$369,217.00
Dredging Biloxi Channel MS	\$2,192,104.10
Biloxi Channel, MS	\$2,481,849.70

Multi-function grid allows for grouping, sorting, and filtering to create user-generated results.

Layer List Legend

Map Layers

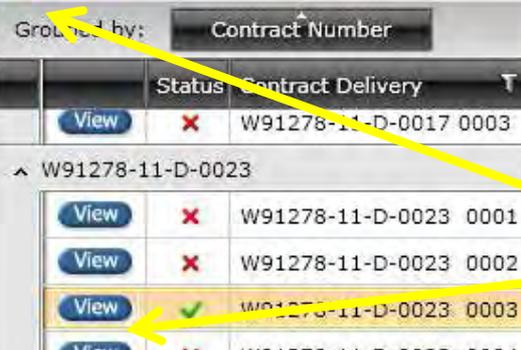
- Dredging Contracts
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



Grouped by: Contract Number

	Status	Contract Delivery	Contract Amount
View	✗	W91278-11-D-0017 0003	
W91278-11-D-0023			
View	✗	W91278-11-D-0023 0001	751,357.50
View	✗	W91278-11-D-0023 0002	043,244.50
View	✓	W91278-11-D-0023 0003	598,143.50
View	✗	W91278-11-D-0023 0004	Pascagoula, MS Maint. Dredging of Pascagoula Harbor \$4,669,324.88
View	✓	W91278-11-D-0023 0005	Mobile, AL Maintenance Dredging of Mobile Harbor \$15,926,050.00

Contracts are automatically imported from RMS, or a District can use the "New" button to create new or historic contracts. Use the "View" button to see details.



Dredging Contracts

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Contract: W91278-11-D-0023 0003

Contract information is entered and updated, including duration, important dates, and type.

Contract Information

Contract No: W91278-11-D-0023 *	Contract Period: 86 days *
Delivery: 0003	Notice to Proceed: 07/06/2011
Solicitation No: N/A	Award Date: 06/30/2011
Projected Contract: \$1,598,143.50	Required Complete: 09/30/2011
Yards Advertised:	Construction Complete: 07/20/2011
Yards B/D:	Type of Contract: Rental
100%: .00 70%: .00 40%: .00	

Project Information

Location: Gulfport MS
Project Name: Rental Dredging at Gulfport Harbor
Short Name: Dredging at Gulfport
Long Title: Rental Dredging at Gulfport Harbor

Dredging Contracts

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Cancel

Dredging at Gulfport

Long Title: Rental Dredging at Gulfport Harbor

Contractor & Dredge Information

Primary Contractor:

Contractor Name	Point of Contact	Full Name
Weeks	Richard L. Roth, Jr.	Weeks Marine, Inc.

Sub Contractor(s): There are no subcontractors for this contract.

[+ Add Sub Contractor](#)

Dredges:

Dredge Name	Dredge Owner	Dredge Type		
G.D. Morgan		Cutterhead		
Capacity	Suction Pipe	Pump H.P.	Bucket H.P.	Dredge H.P.
30		7,000	1,500	7,000

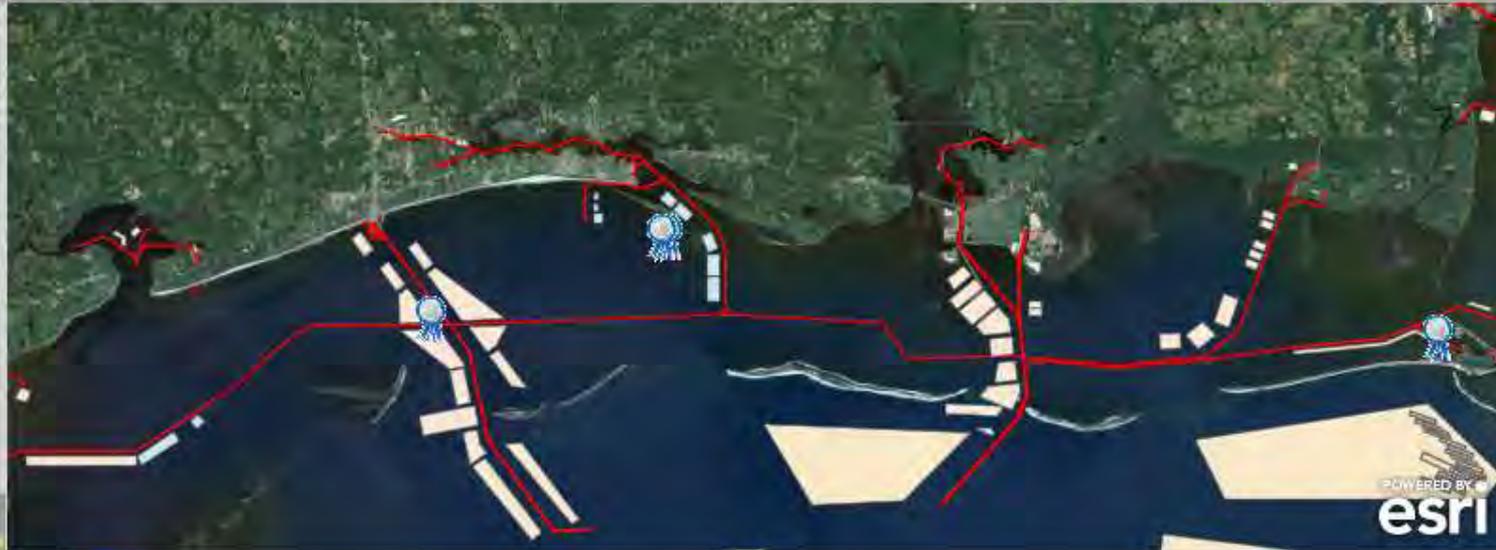
[+ Add Dredge](#)

Submit Changes

Contractors and dredges are assigned from normalized lists.

Layer List Legend

- Map Layers
- Dredging Contracts
 - DisposalAreas
 - ChannelLanes
 - NOAA Nautical Charts
 - World Imagery



Group	Map Contract	Contract Number
View	✗	W91278-11-D-0017 0003

Contracts are mapped spatially to GIS features. Mapping is where channels and placement areas are selected.

W91278-11-D-0023						
View	Status	Contract Delivery	Location	Description	Amount	
View	✗	W91278-11-D-0023 0001	Gulfport, MS	Maintenance Dredging of Gulfport Harbor	\$3,751,357.50	
View	✗	W91278-11-D-0023 0002		Maint. Dredging of Pascagoula Harbor	\$7,043,244.50	
View	✔	W91278-11-D-0023 0003	Gulfport, MS	Rental Dredging at Gulfport Harbor	\$1,598,143.50	
View	✗	W91278-11-D-0023 0004	Pascagoula, MS	Maint. Dredging of Pascagoula Harbor	\$4,669,324.88	
View	✔	W91278-11-D-0023 0005	Mobile, AL	Maintenance Dredging of Mobile Harbor	\$15,926,050.00	

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Contract Setup

Contract: W91278-11-D-0023 0003

Project: Rental Dredging at Gulfport Harbor

Selected Channels

Gulfport Sound Channel - 282

Selected Disposal Areas

Disposal Area No. 3 - OUD000102

Disposal Area No. 5 - OUD000104

Cancel

Next

Mapped features are highlighted and can be selected or deselected by clicking the desired feature.

Dredging Contracts

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Contract Setup

Contract: W91278-11-D-0023 0003

Project: Rental Dredging at Gulfport Harbor

Selected Channels

Gulfport Sound Channel - 282

Gulfport Bar Channel - 283

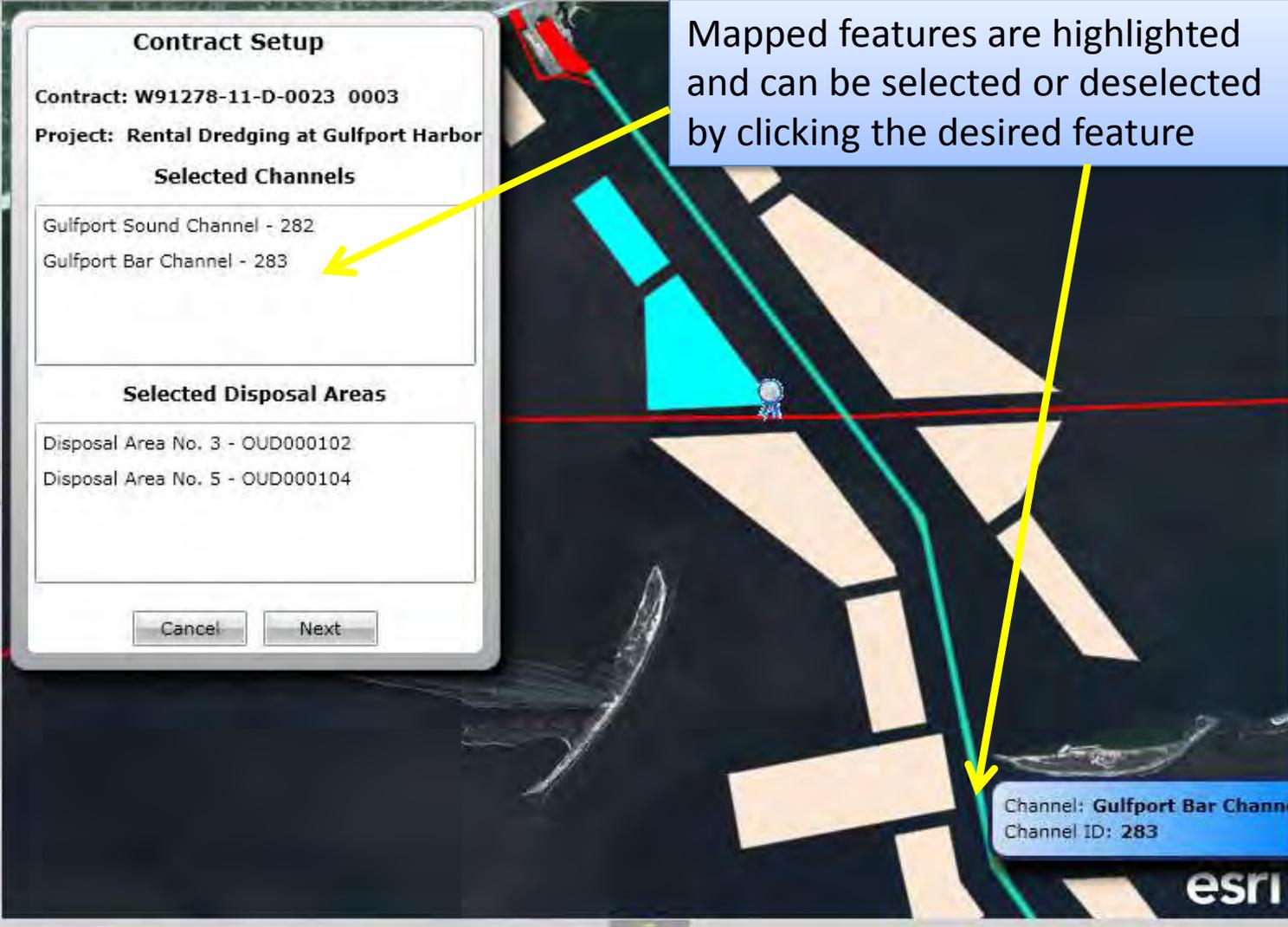
Selected Disposal Areas

Disposal Area No. 3 - OUD000102

Disposal Area No. 5 - OUD000104

Cancel Next

Mapped features are highlighted and can be selected or deselected by clicking the desired feature



Dredging Contracts

Layer List Legend

Map Layers

- Dredging Contracts
- DisposalAreas
- ChannelLanes
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- World Imagery

Contract Setup

Contract: W91278-11-D-0023 0003
Project: Rental Dredging at Gulfport Harbor

Selected Channels

Gulfport Sound Channel - 282
Gulfport Bar Channel - 283

Selected Disposal Areas

Disposal Area No. 3 - OUD000102
Disposal Area No. 5 - OUD000104
Disposal Area No. 7 - OUD000087

Cancel Next

Mapped features are highlighted and can be selected or deselected by clicking the desired feature.

Name: Disposal Area No. 7
Description: Open Water Disposal Area
Status: ACTIVE
District: CESAM

Daily Log of Operations

- Once a contract is set up and mapped, it is available on the Inspector website, where daily logs and timesheets are completed.
- Daily information is entered concerning loads, cubic yards, placement area, and effective and non-effective working times.

Layer

- Buckets
- Cutterheads
- Hoppers

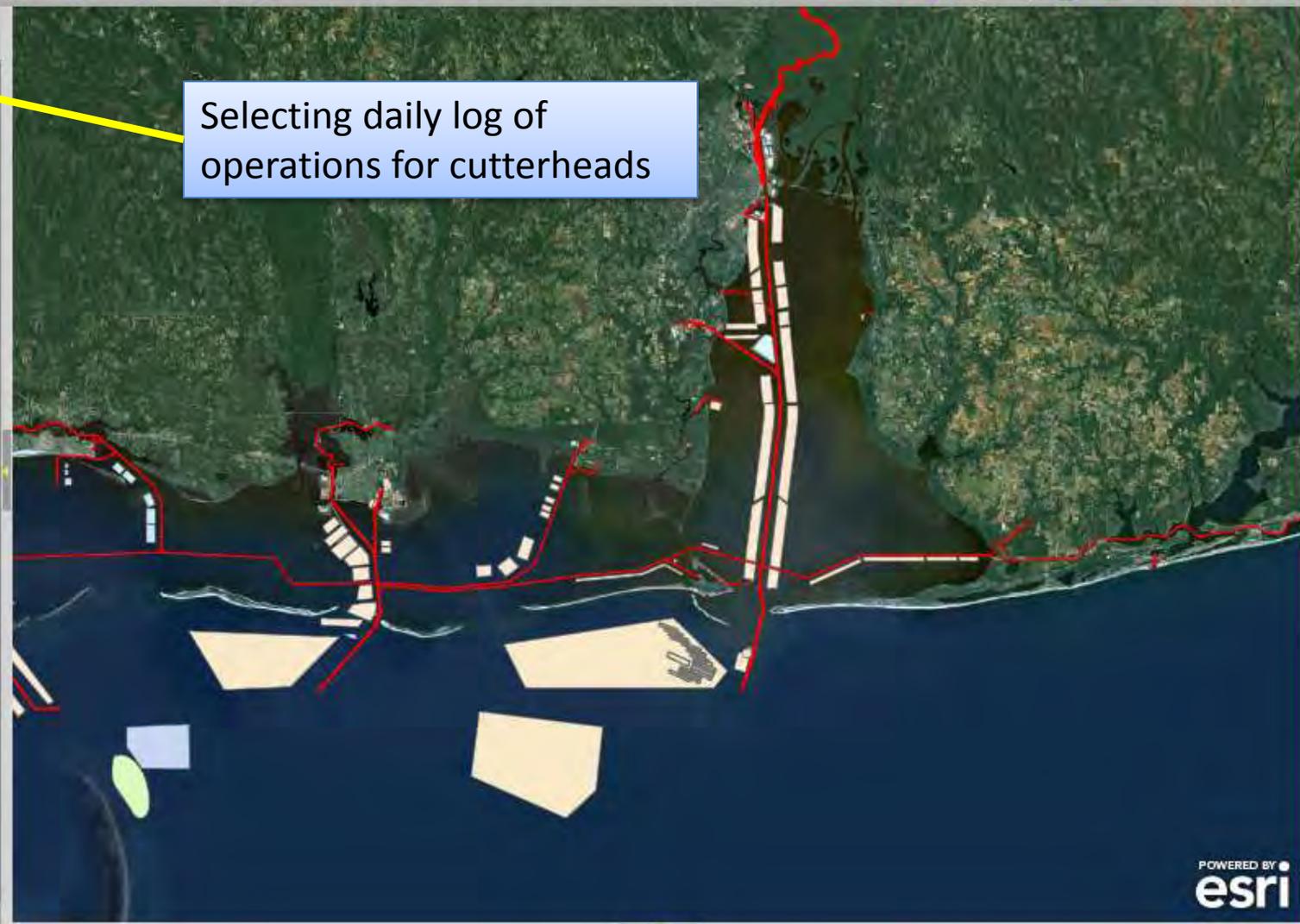
DisposalAreas

ChannelLanes

NOAA Nautical Charts

World Imagery

Selecting daily log of operations for cutterheads



Layer List Legend

- Map Layers
 - Log of Operations (Cutter
 - DisposalAreas
 - ChannelLanes
 - NOAA Nautical Charts
 - World Imagery



Excel export



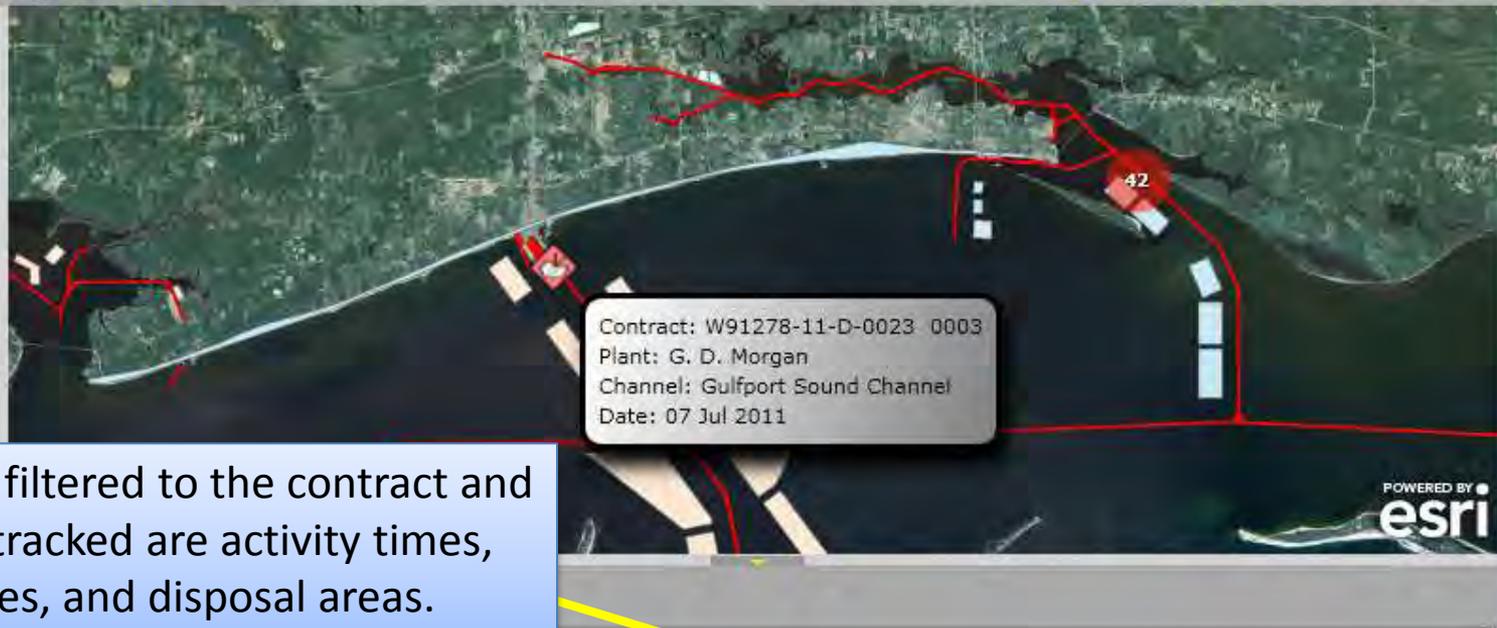
Drag a column header and drop it here to group by that column

	Contract Delivery	Location	Plant	Date	Pump Time	Hand Pipe	Hand Anchor
View	W91278-09-D-0047 0003	Biloxi East Access	Kelly L	10/12/2009	1035	30	0
View	W91278-09-D-0047 0003	Biloxi East Access	Kelly L	11/13/2011	501	53	0
View	W91278-09-D-0047 0003	Biloxi East Access	Kelly L	11/14/2009	0	0	0
View	W91278-11-D-0017 0004	Biloxi Lateral	Kelly L - Pipeline	10/11/2011	642	0	28
View	W91278-11-D-0017 0004	Biloxi Lateral	Kelly L - Pipeline	10/12/2011	1330	20	73
View	W91278-11-D-0017 0004	Biloxi Lateral	Kelly L - Pipeline	10/13/2011	1235	113	62
					111931	8005	5860

Layer List Legend

Map Layers

- Log of Operations (Cutter
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- Wo



This view is filtered to the contract and plant. Also tracked are activity times, daily volumes, and disposal areas.

Drag a column header and drop it here to group by that column

Yards Today Gross	Yards Today Net	Advance_To	Shore	Float Pipe	SB_Pipe	Disposal Area
2545		90		4600	5440	Disposal Area No. 3
50220		1130		4600	5440	Disposal Area No. 3
60500		1230		4600	5440	Disposal Area No. 3
113265	0	2450				

LogOps (Cutterheads)

Cancel

Clicking "View" on the grid reveals this day's log of operations...

Layer List Legend

Map Layers

- Log of Operations (Cutterheads)
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Date: 11/11/2011

Project Information

Project Location: Biloxi East Access **Disposal Area:** 9

Stations: 1171+95-1175+72

Project Dimensions: **Project Slopes:** **Project Depth:**

Advance Maintenance: **Dredge Depth:** **Over Depth:**

Drawing File Number: **Disposal Area File Number:**

Dredge Information

Dredge: Kelly L **Dredge Type:** Cutterhead **Horsepower:** 3600 **Size:** 24

Attendant Plants

ANCHOR BARGE | CRANE BARGE | FUEL BARGE CMS-544 | SKIDDER BARGE | SPILL BARGE | STORAGE BARGE CMS-536 | SURVEY BOAT - ARC | TENDER BOAT - MR PAULA | TENDER BOAT - RACER | TENDER BOAT - TIGER | TENDER BOAT - VOLUNTEER | TOWBOAT - CARDINAL

Inspectors

JONATHAN ELLSWORTH

LogOps (Cutterheads)

BarEmacs

Layer List Legend

Map Layers

- Log of Operations (Cutter)
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Cancel

Inspectors

JONATHAN ELLSWORTH

...including daily times, volumes, cut information, and advance.

Pumping (100%) Time: 09:15	Major Repairs: 02:30
Handling Pipeline: 00:00	Cessation: 00:00
Handling Anchor Line: 00:25	Misc: 00:00
Clearing Pump/Line: 00:00	0% Time: 00:00
Clearing Cutter/Suction 00:00	
Head:	Width of Cut (ft): 180
To/From Anchorage: 00:00	Yards Today (gross): 9,048
Change of Location: 02:00	Yards to Date (gross): 358,317
Opposing Elements: 06:15	Yards Today (net):
Passing Vessels: 00:10	Yards to Date (net): 0
Spill Barge/Shore Work: 00:00	Advance Today: 377
Fire Drill: 00:00	Advance to Date: 14,450
Misc: 03:25	Shore:
70% Time: 00:00	Floating: 3,950
Govt. Directed Standby: 00:00	Submerged:
Weather Standby: 00:00	
40% Time: 00:00	
Remarks:	
DREDGING RESUMED AT 1410 HRSS	

Timesheets

- Timesheets are collected for rental contracts.
- They are placed on the map based on the channel's station centerline.
- Relevant data is automatically transferred between timesheets and daily log of operations.

Layer List Legend

Map Layers

- Timesheets
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



Drag a column header and drop it here to group by that column

	Contract Delivery	Plant	Location	Date	Number
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/13/2012	48
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/14/2012	49
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/15/2012	50
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/16/2012	51
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/4/2012	39
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/17/2012	52
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/18/2012	53
View	W91278-11-D-0023 0005	G.D. Morgan	Mobile Upper Bay Channe	5/19/2012	54

Inspector Timesheets

Layer List Legend

Map Layers

- Timesheets
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Cancel

Print this Timesheet

DATE OR PERIOD: May 19, 2012 Saturday

PROJECT: Maintenance

EXACT LOCATION: Mobile U Mobile U

REFERENCE: 00427+35-

OF DREDGE: W91278-11-D-0023 0005

TYPE: DIESEL 10000 H.P. 30"

54

40% PAY TIME
SBT STAND-BY TIME AS DIRECT

Non-Pay Time:

CCSH: Cle
CLPJ: Ch
CPPL: Cle

DR: Dike Repair
FBD: Fire, Boat Drills
HPL: Handling Pipeline
HSL: Handling Swing Line

MISC: Miscellaneous
P: Preparation
CPR: Change Impeller
(4 Hr. if directed)

Change Cutterhead
Contractor's Negligence
Collison
ET: Excessive Time (Explain)
LNL: New Location
MSC: Miscellaneous

OC: Ou
OR: Op
RPL: Re
SH: Su
TOW: Tin
WAP: We

MILITARY TIME	100%	70%	40%	NON PAY	delay code	R
---------------	------	-----	-----	---------	------------	---

Clicking "View" on the grid displays a printable timesheet that the contractor can sign in the field.

File Download

Do you want to open or save this file?

 Name: W91278-11-D-0023_0005_05-19-2012.pdf
Type: Adobe Acrobat Document
From: sam-db01mob.sam.usace.army.mil

Open Save Cancel

 While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. [What's the risk?](#)

REFERENCED TO MILE (Indicate direction of Station from Ref. Point)
00427+35 - 00421+70 | 00427+00 - 00422+50

OWNER
Weeks
NO. 54

TIME DISTRIBUTION

100% PAY TIME
EPT EFFECTIVE PUMPING TIME

40% PAY TIME
SBT STAND-BY TIME AS DIRECTED

70% Pay Time

Non Pay Time

CLPJ	Change Location Bar	LDPV	Loss Due to Passing
P	Preparation		Vessel
HPL	Handling Pipe Line	DR	Dike Repair
HSL	Handling Swing Line	FND	Fire, Boat Drills
CPPL	Clear, Pump, Pipeline	CPR	Change Impellar
CCSH	Clear Cutter Suction		(4 Hr. If directed)
LDNE	Loss Due to Natural Elements	HSP	Handling Shore Pipe
		MISC	Miscellaneous

OCH	Change Cutterhead	LNL	New Location
OC	Out of Commission	CN	Contractor's Negligence
MSC	Miscellaneous	RPL	Repair Pipeline
COLL	Collision	OR	Operating Repairs
ET	Excessive Time (Explain)	WAP	Waiting Attendant Plant
TOW	Time on Tow	SH	Sundays-Holidays

MILITARY TIME		100%		70%		40%		NON PAY		Delay Code	REMARKS, CAUSE OF DELAY ETC.
FROM	TO	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		
0000	0105			01	05					CPPL	CLEAN BOTH PUMPS & CUTTER
0105	0200	00	55							EPT	PUMPING
0200	0210			00	10					HSL	SHIFT BOTH ANCHORS
0210	0245	00	35							EPT	PUMPING
0245	0345			01	00					HPL	ADD 500' PONT
0345	0410	00	25							EPT	PUMPING
0410	0445			00	05					LDPV	LOSS DUE TO

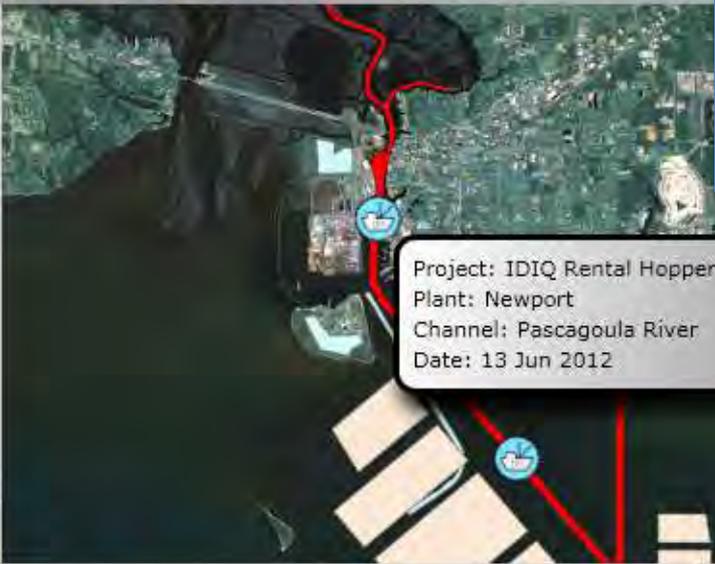
History Cards

- History cards are created for each contract, plant and location where work is performed.
- Using data generated from logs of operations, the cards are created when the contract is complete .

Layer List Legend

Map Layers

- History Cards (Hoppers)
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



History cards are cumulative data from logs of operations that can be used for planning projects.

Project: IDIQ Rental Hopper - #2 FY 08 (Newport)
 Plant: Newport
 Channel: Pascagoula River
 Date: 13 Jun 2012



Drag a column header and drop it here to group by that column

	Contract Delivery	Project	Location	Plant	Contractor
View	W91278-08-D-0051 0003	IDIQ Rental Hopper - #2 FY 08 (Newport)	Pascagoula Upper Sound	Newport	Manson Construct
View	W91278-08-D-0051 0003	IDIQ Rental Hopper - #2 FY 08 (Newport)	Pascagoula River	Newport	Manson Construct

CUTTERHEAD HISTORY CARD

Project: Maintenance Dredging of Mobile River Channel

Contractor: Prime: Inland Dredging Co. Sub: Mike Hooks, Inc.

Dredge: E-Stroud

Dredge Depth: 42' + 2'

Diesel Power: 4,000 hp

Pipeline Size: 24"

Adv. No: W91278-04-B-0010

Contract No: W91278-04-D-0010 T.O. 0007

Drawing File No: N/A

D/A File No: N/A

Contract Period: N/A

Type of Contract: Rental

History cards created from logs of operations

Month	Cubic Yd's (Net)	Cubic Yd's (Gross)	Location	Contractors Earnings
22-Aug-05 to 10-Sep-05	N/A		Mobile River Sta. 8+90 - 244+60	Mob/Demob= \$24,475.00 Dredging 100%\$999,720.09 70%\$615,320.97
24-Sep-05 to 9-Nov-05				Pipeline Rental = \$89,724.51 Pipeline Mob = \$3,135.00
	Total = 0	Total = 640,641		Total = \$1,732,375.57

* On a Rental Contract Yardage may be only gross taken by Contractor

CUTTERHEAD HISTORY CARD

Total Operating Time: 63 days

Total Pumping Time: 711.37 hrs

Pumping Hrs Per Day: 11.29 hrs

Gross Cubic Yd's Per Pumping Hr: 900.57

% Non-pay Yardage:

Dredge Advance: 25,074 ft

Avg Daily Advance: 398.00 ft

Cubic Yd's Ft. (Net): 0.00

Cubic Yd's Ft. (Gross): 25.55

Cost per CY (Net):

Cost per CY (Gross): \$2.70

Notes: Cubic Yards in D/A

North Blakely = 216,793
South Blakely = 216,793
North Pinto = 107,050

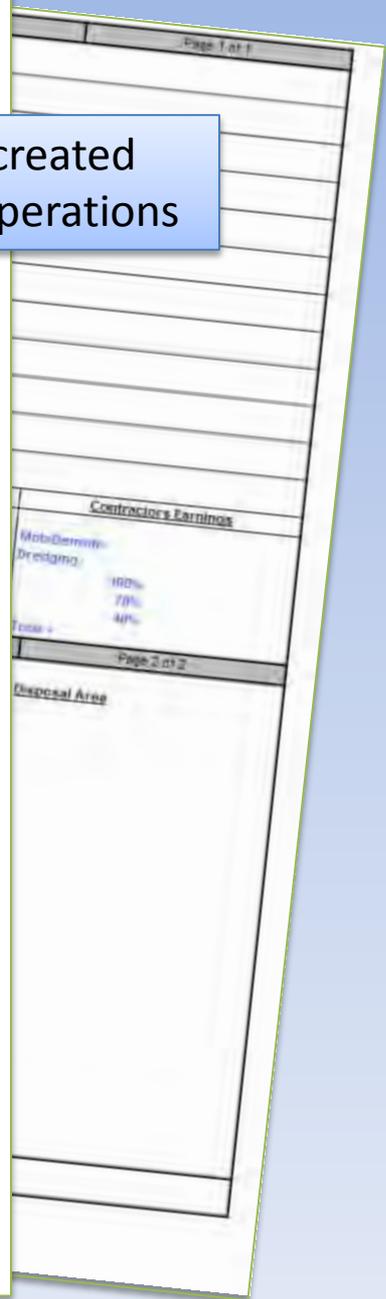
Disposal Area
North Blakely, South Blakely & North Pinto Upland D/A's

Pipeline

Shore pipe: max = 1740'
min = 240'

Floating pipe: max = 1740'
min = 240'

Submerged pipe: max = 1740'
min = 240'



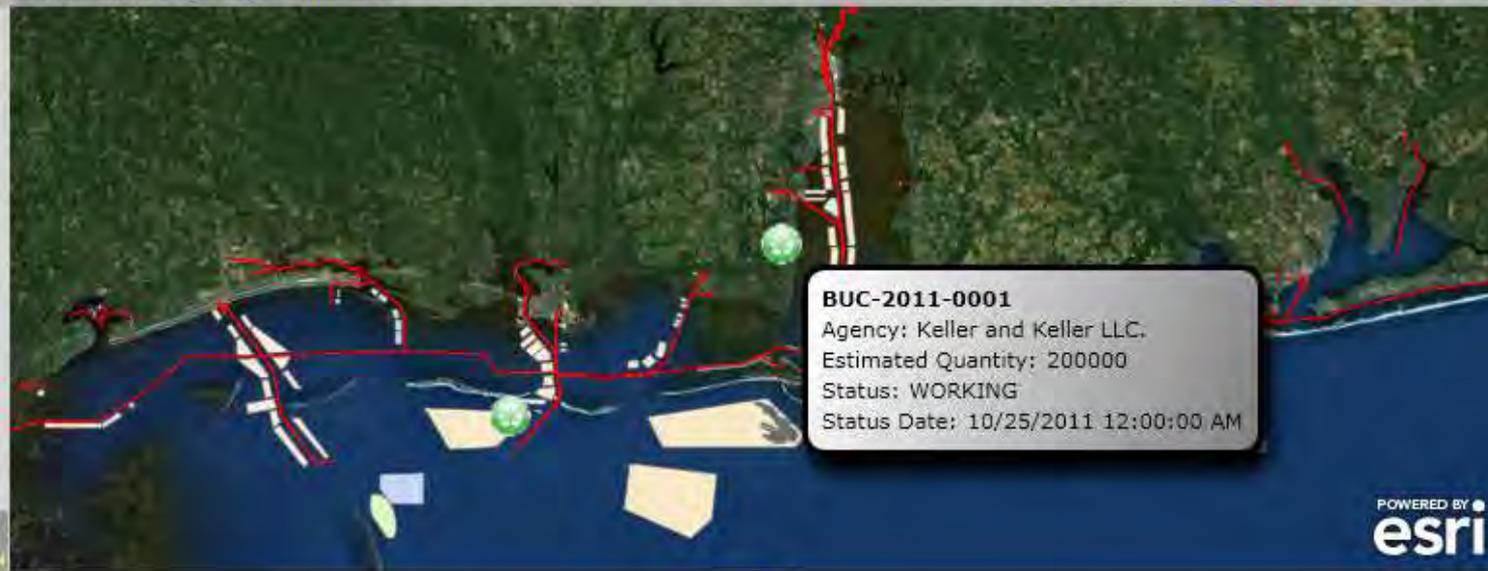
Beneficial Usage Agreements

- Beneficial usage agreements track sediment which is removed from placement areas.
- Quantities, removal method, and status are monitored.
- Public and private entities request beneficial usage agreements.

Layer List Legend

Map Layers

- Beneficial Usage
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



BUC-2011-0001
 Agency: Keller and Keller LLC.
 Estimated Quantity: 200000
 Status: WORKING
 Status Date: 10/25/2011 12:00:00 AM



Clicking "View" ...

column header and drop it here to group by that column

	Request ID	Disposal Area	Agency	Estimated
View	BUC-2006-00002	AL09	DONNA AND RONNIE WEST, LLC.	250000
View	BUC-2007-00001	G14	COW CREEK RANCH, LLC.	500000
View	BUC-2007-00002	G15	COW CREEK RANCH, LLC.	500000
View	BUC-2007-00004	AB12	HPH COMPANY, LLC	2000000
View	BUC-2010-00001	PB03	B&M PAVING, INC.	150000
View	BUC-2010-00002	PB04	B&M PAVING, INC.	50000
View	BUC-2011-0001	SAM2_1335_SAM_1312_Fowl River Upland Disposal Area	Keller and Keller LLC.	200000

Beneficial Usage Agreements

Layer List Legend

Map Layers

- Beneficial Usage
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Cancel

...displays agreement details.

Contract Information

Request ID: BUC-2011-0001

Disposal Area: SAM2_1335_SAM_1312_Fowl River Upland Disposal Area

Estimated Quantity: 200,000

Removal Method: Truck

Drgmat ID: PMA_SAM21313

Status: WORKING

Status Date: 10/25/2011

Execution Date: 10/25/2011

Expiration Date: 06/30/2012

Contractor Information

Agency: Keller and Keller LLC.

Address: 10601 W. 3rd Ave.

City: Jackson

State: MS

Zip: 39504

Title: President

First Name: Larry

Last Name: Keller

Email: lkeller@kellerkeller.com

Phone: 621-658-5805

Comments

Using sand for city park

Layer List Legend

Map Layers

- Beneficial Usage
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



Creating new agreements

Create New Agreement

Drag a column header and drop it here to group by that column

	Request ID	Disposal Area	Agency	Estimated Quantity
View	BUC-2005-00001	G26	KELLEY AND KELLEY PARTNERS	250000
View	BUC-2006-00001	G18	DEE RIVER RANCH, INC.	250000
View	BUC-2006-00002	AL09	DONNA AND RONNIE WEST, LLC.	250000
View	BUC-2007-00001	G14	COW CREEK RANCH, LLC.	500000
View	BUC-2007-00002	G15	COW CREEK RANCH, LLC.	500000
View	BUC-2007-00004	AB12	HPH COMPANY, LLC	2000000
View	BUC-2010-00001	PB03	B&M PAVING, INC.	150000

Beneficial Usage Agreements

Layer List Legend

Map Layers

- Beneficial Usage
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery



PMA_SAM21345
Disposal Area: SAM_1344_Disposal Area
Coordinates: Long = -89.078424, Lat = 30.432566

Map It Cancel

Select disposal area and click "Map It"

Drag a column header and drop it here to group by that column

	Request ID	Disposal Area	Agency	Estimated Quantity
View	BUC-2005-00001	G26	KELLEY AND KELLEY PARTNERS	250000
View	BUC-2006-00001	G18	DEE RIVER RANCH, INC.	250000
View	BUC-2006-00002	AL09	DONNA AND RONNIE WEST, LLC.	250000
View	BUC-2007-00001	G14	COW CREEK RANCH, LLC.	500000
View	BUC-2007-00002	G15	COW CREEK RANCH, LLC.	500000
View	BUC-2007-00004	AB12	HPH COMPANY, LLC	2000000
View	BUC-2010-00001	PB03	B&M PAVING, INC.	150000

Layer List Legend

Map Layers

- Beneficial Usage
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Imagery

Cancel

SAM Beneficial Use Agreement - New Entry

Complete the paperwork.

Contract Information

Request ID:	<input type="text"/>	Drgmat ID:	PMA_SAM21345
Disposal Area:	SAM_1344_Disposal Area	Status:	<input type="text" value="NEW"/>
Estimated Quantity:	<input type="text"/>	Status Date:	<input type="text"/>
Removal Method:	<input type="text"/>	Execution Date:	<input type="text"/>
		Expiration Date:	<input type="text"/>

Contractor Information

Agency:	<input type="text"/>	Title:	<input type="text"/>
Address:	<input type="text"/>	First Name:	<input type="text"/>
City:	<input type="text"/>	Last Name:	<input type="text"/>
State:	<input type="text" value=""/>	Email:	<input type="text"/>
Zip:	<input type="text"/>	Phone:	<input type="text"/>

Geotechnical Analysis

- The sediment sampling tool displays borehole points and grab samples.
- The system retrieves data for points selected and scans for PDF documents related to points.
- Data are created using the CE-Tools Sediment Sampling Tool available on the CE-Dredge website.

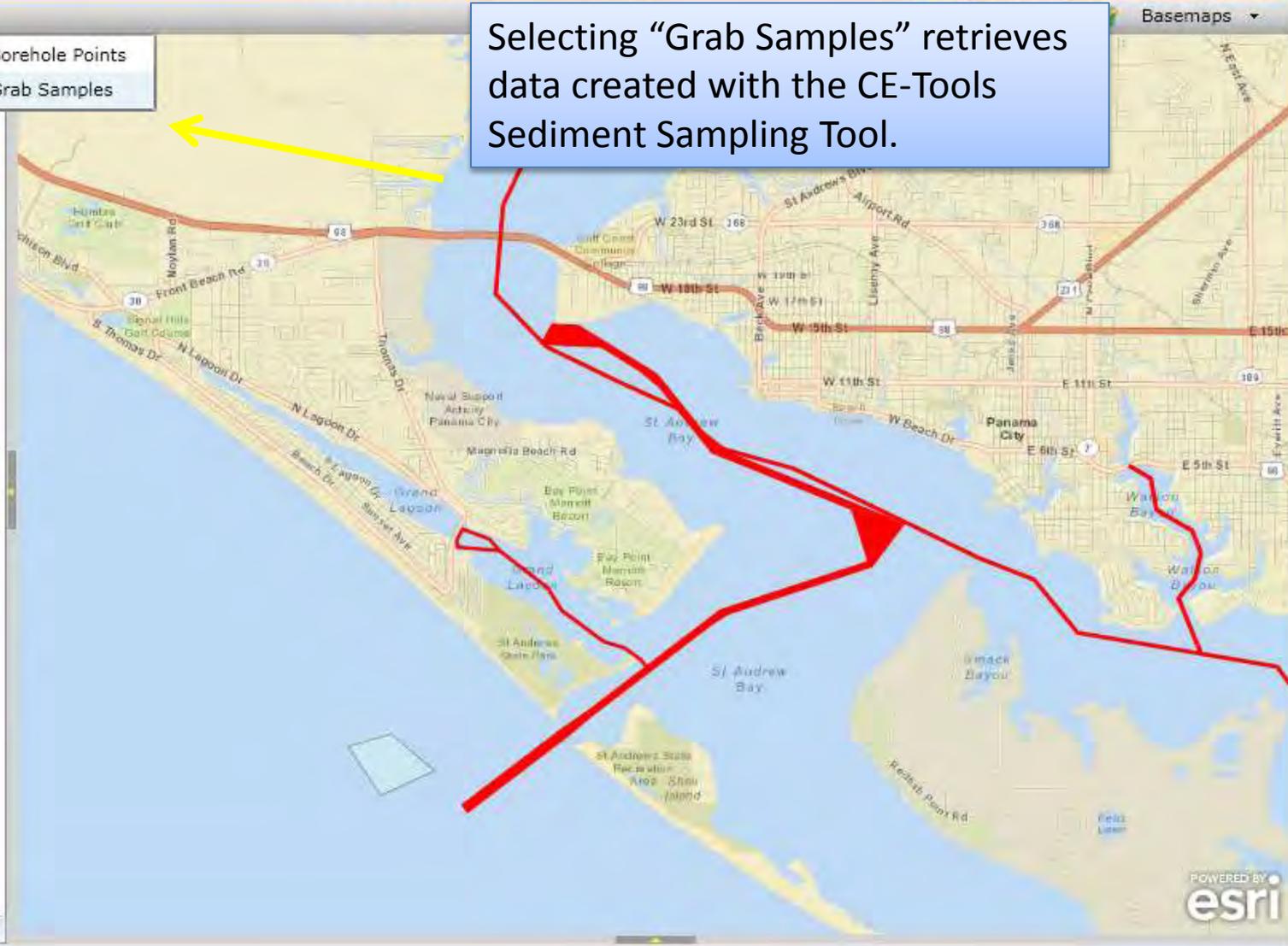
Layer List Legend

- Borehole Points
- Grab Samples

Map Layers

- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Street Map

Selecting "Grab Samples" retrieves data created with the CE-Tools Sediment Sampling Tool.



Grab Samples

Layer List Legend

Map Layers

- Grab Samples
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Street Map

Use these tools to select sample points and query results

Select Cancel

Selecting a group of points will search for and display a grid of basic information for each point. Points can be searched for related documents with detailed information.

The grab samples and borehole point records are created using the CE-Dredge ArcGIS sediment sampling tool available on the CE-Dredge website. Use the selection tool to select a group of points and then click 'Find Documents' to find all related documents to a particular

Drag a column header and drop it here to group by that column

ID	Type	Date	Longitude	Latitude	Top Elev	Documents
12-84	VIBRACORE	20011018	-85.7443	30.1282	-15	Search
FLN00265_A-01-0			-85.735777	30.126571		Search
FLN00265_A-02-0			-85.73554	30.129111		Search
FLN00265_A-03-0			-85.738171	30.128487		Search
FLN00265_A-04-0			-85.738013	30.130823		Search
FLN00265_A-05-0			-85.740285	30.130106		Search

Grab Samples

Basemap

Use these tools to select sample points and query results

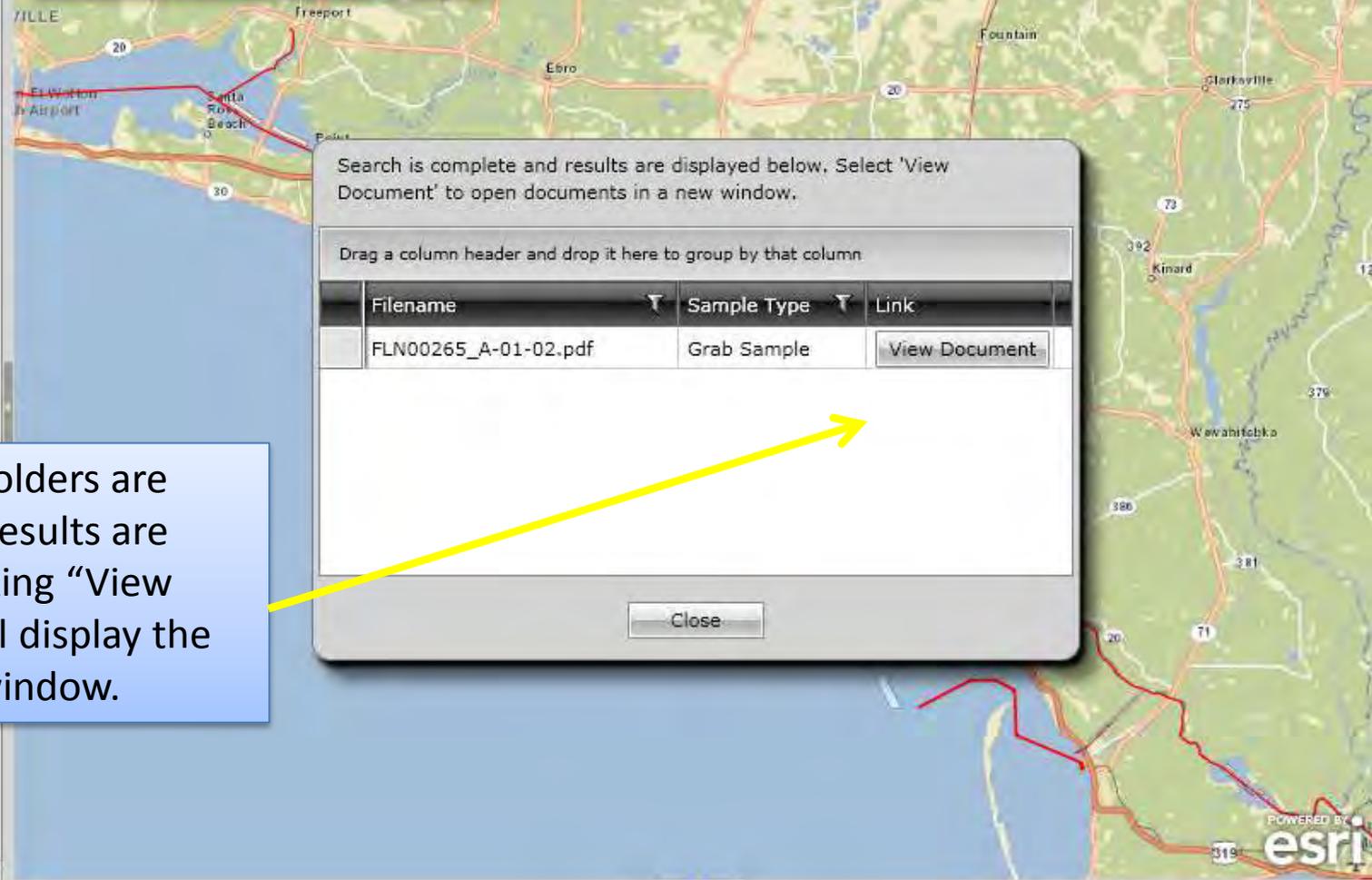


Select Cancel

Layer List Legend

Map Layers

- Grab Samples
- DisposalAreas
- ChannelLanes
- NOAA Nautical Charts
- World Street Map



Many District folders are searched, the results are displayed. Clicking "View Document" will display the PDF in a new window.

Phase II – Current Efforts

- Disposal Area Management
 - Detailed information for each disposal area
 - Details and usage (Beneficial Usage)
 - Related dredging contracts and agreements
 - Volume and capacity (deposits and removal)
 - Maintenance expense
 - Inspections
 - Structures, access ways, and photos
 - Site Visits
 - Dated with comments and photos

Links

- CE-Dredge Website

cedredge.usace.army.mil/Default.aspx

- Dredging Histories Viewer and Inspector Website

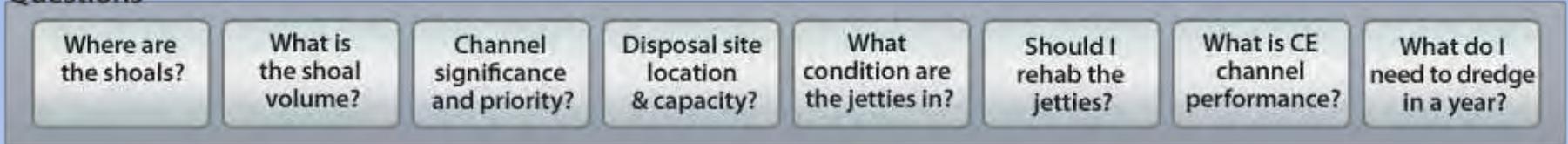
cedredge.usace.army.mil/Tools/Default.aspx

- CE-Dredge Sediment Sampling Tool

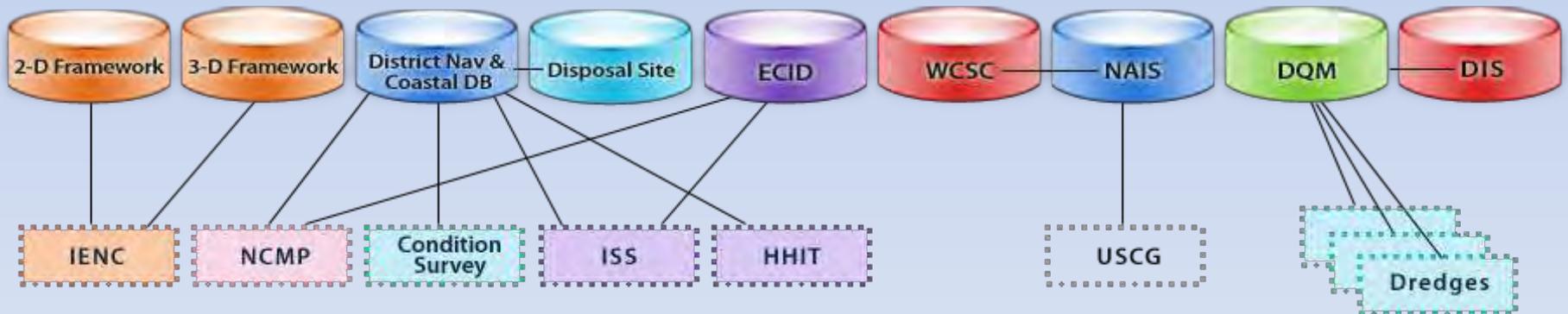
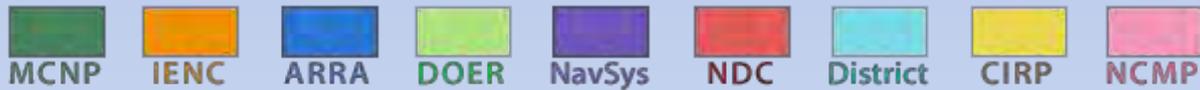
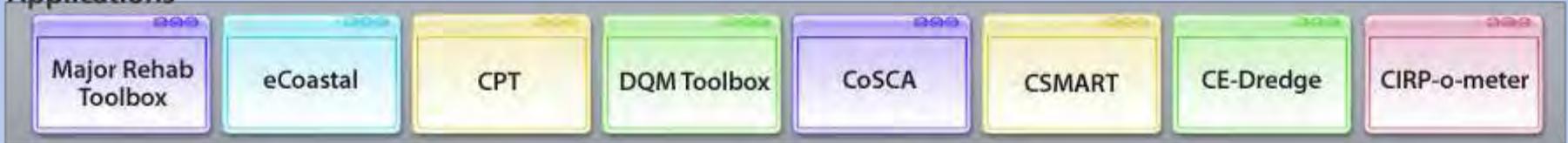
cedredge.usace.army.mil/Tools/Default.aspx

Integrated Navigation Programs & DIF

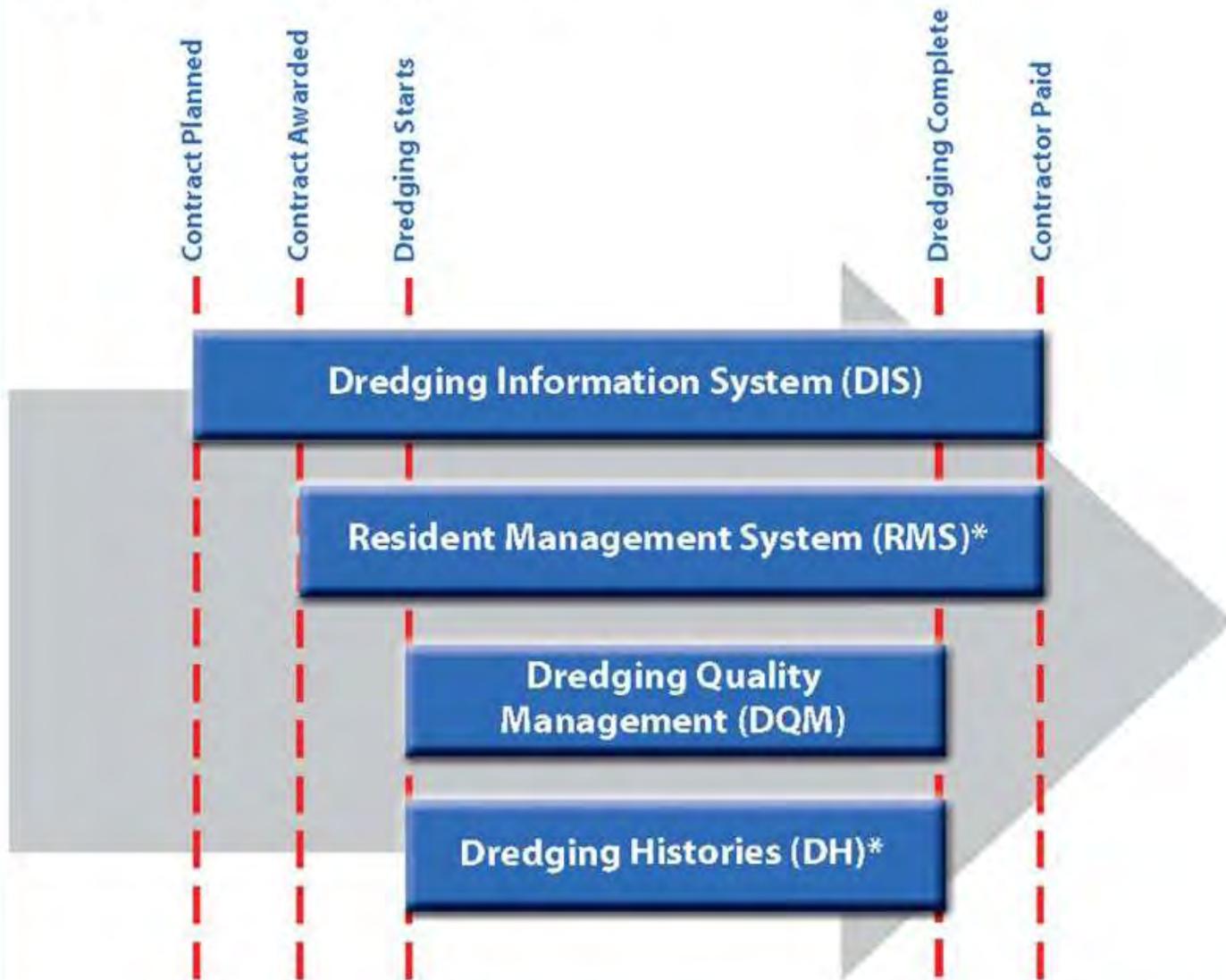
Questions



Applications



Typical Dredging Project Timeline



* Historical contract data may also be entered into these systems

Questions?