### NATIONAL DREDGING QUALITY MANAGEMENT (DQM) PROGRAM

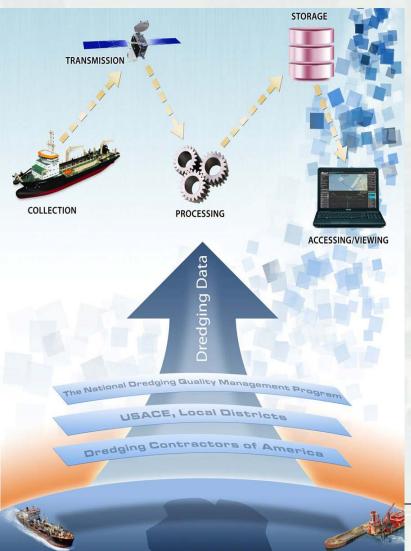
# WASHINGTON, DC JUNE 2012

VERN GWIN NATIONAL DQM CENTER





# NATIONAL DQM 2012 PROGRAM UPDATE



2012 Highlights
New Initiatives
Program Vision



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DOM Support Center: http://dgm.usace.army.mil

1-877-840-8024; dgm-support@usace.army.mil

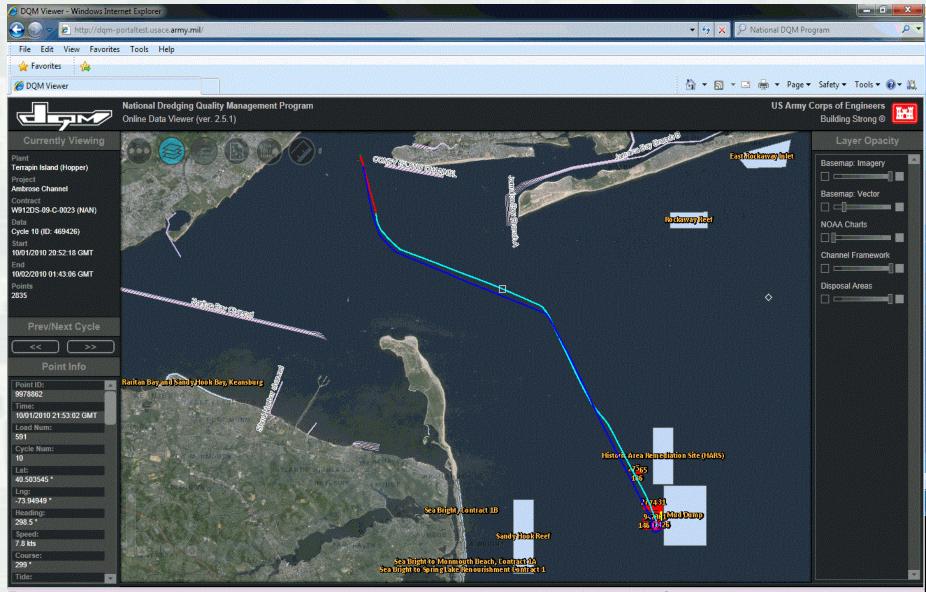
# NATIONAL DQM PROGRAM HIGHLIGHTS

- Database Optimization Spring 2012
- V2.5 Release June 2012
  - Cycle Analysis/Dredge State
  - Multiple Load and Custom Data Export
  - Multiple Load Disposal Plots
  - New Hopper On-board Software Testing June 2012
  - ► Dynamic DQM Website May 2012
  - Back-up Server
  - New Parameter Compatibility



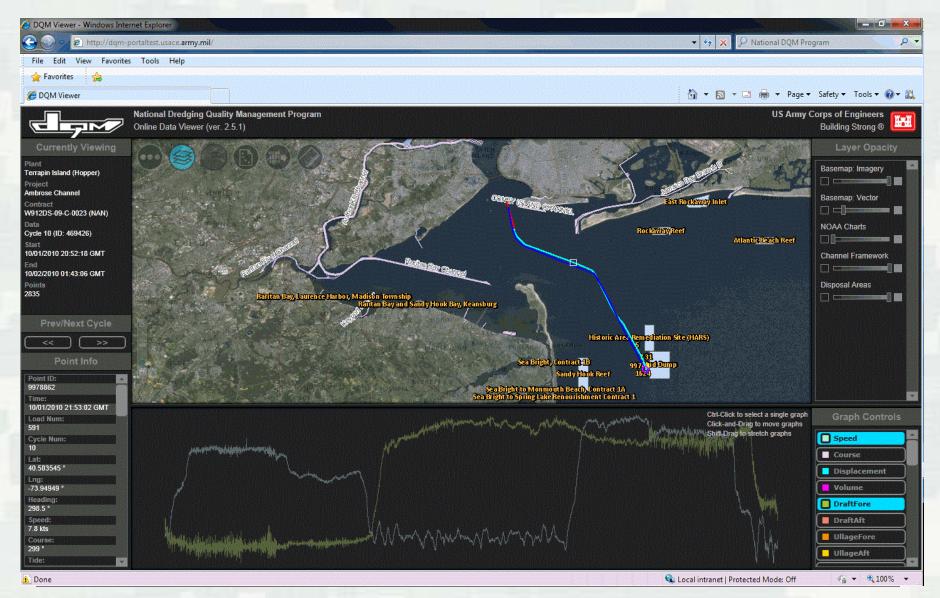


## **V2.5 CYCLE ANALYSIS**



1 Done

## **V2.5 GRAPHING FEATURES**



## V2.5 DETAILED DISPOSAL

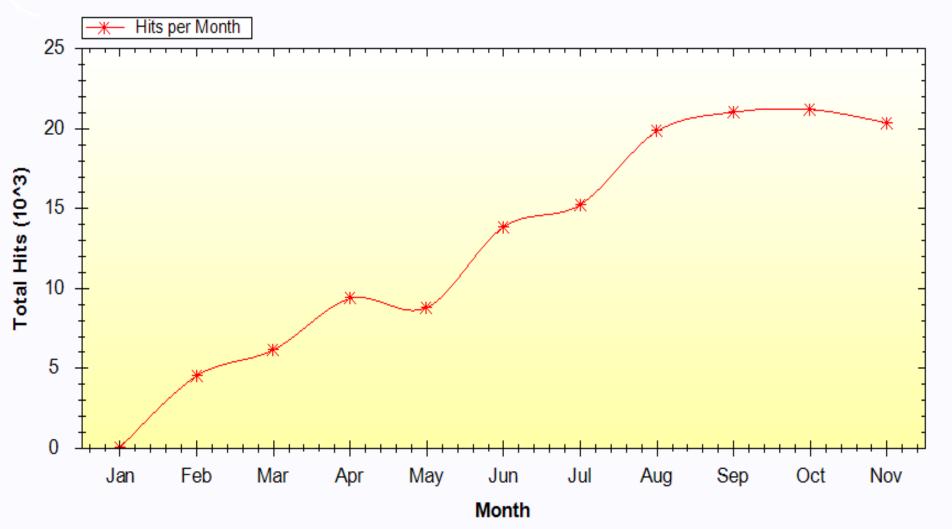
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## **NEW DQM WEBSITE**

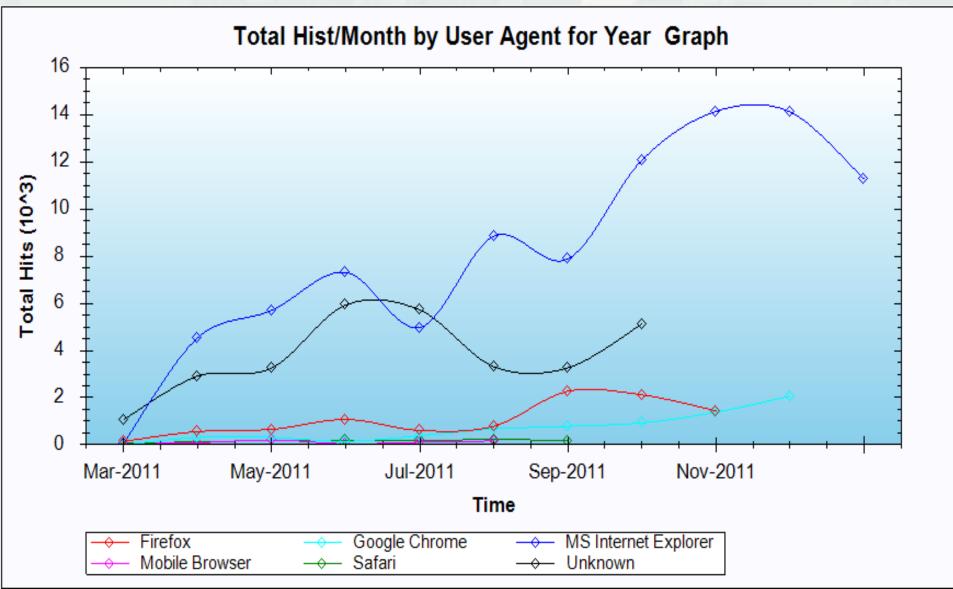


## New DQM Website Hits

**Total Hist per Month Graph** 



### Hits by browser type...



# **NEW INITIATIVES FY12**

- Cutterhead Monitoring Initial PDT Meeting
  - Initial PDT Meeting National Coordination
  - Implementation Plan
  - Coordination with Industry
- Password Access and Automated Email Alerts
- Near Real-Time Data for Scows

# **NATIONAL DQM PROGRAM ALL-REMOTE VISION**





Administration Inspections



Plots



Payments







Mechanical





Scow



Pipeline



Project Setup





Contacts



Plants/ **Plant Limits** 



GIS





Support Management



Write Boards



Plant



### **New Strategic Navigation Initiative**

•Integrates efforts on... Dredging & Inland Waterways to Start...

Dredging Quality Management (DQM) Resident Management System (RMS) Dredging Information System (DIS) Dredging Histories (DH), etc

River Information Services (RIS) Lock Operations Management Application (LOMA) IWR Multi-modal Effort, etc

To maximize interoperability

Improve one time data entry

•Facilitate Business Line Decisions and Work Flow



### **Benefits**

- Common Access
   Data Availability
- Decreased Time and Effort
- Reduced Duplication of Data Entry

- Data Timeliness
- Data Format
- User Friendly

Data Consistency

Increased Participation



Data Purpose

### **Project Overview**

•Phase I – Development of a Dredging Portal "front end" to the dredging databases—DH, DIS, DQM, and RMS– their connection to the portal, and each other, and the portal's connection to the District's Navigation and Coastal Data Banks

•Database Schema Review Meeting(s) – June

•Reverse Engineer a completed dredging project – July

Dredging Portal Specifications – August/September

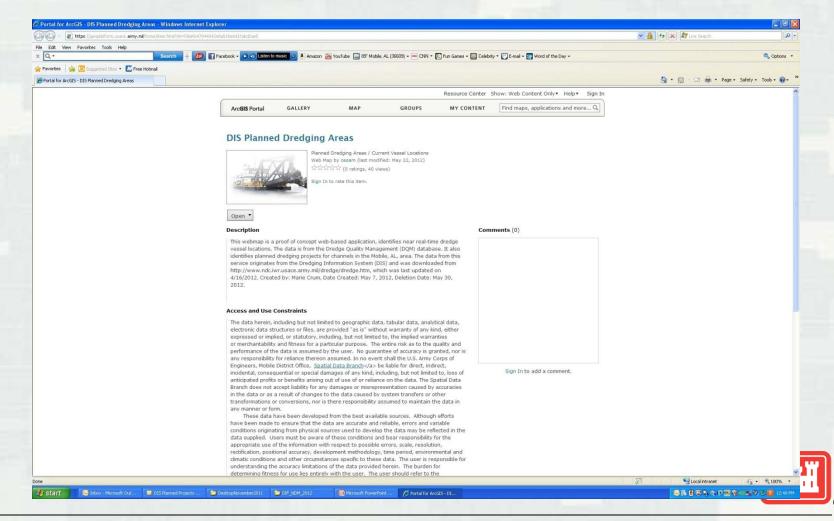
•Phase 2 – Inland Waterways

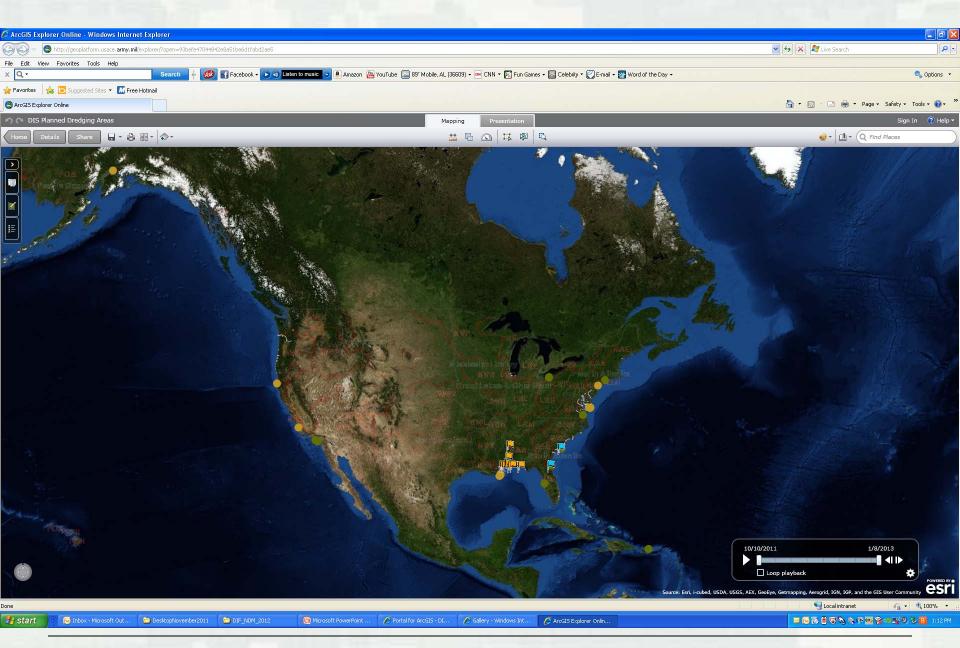
•Subsequent Phases – Additional datasets, tools, and applications

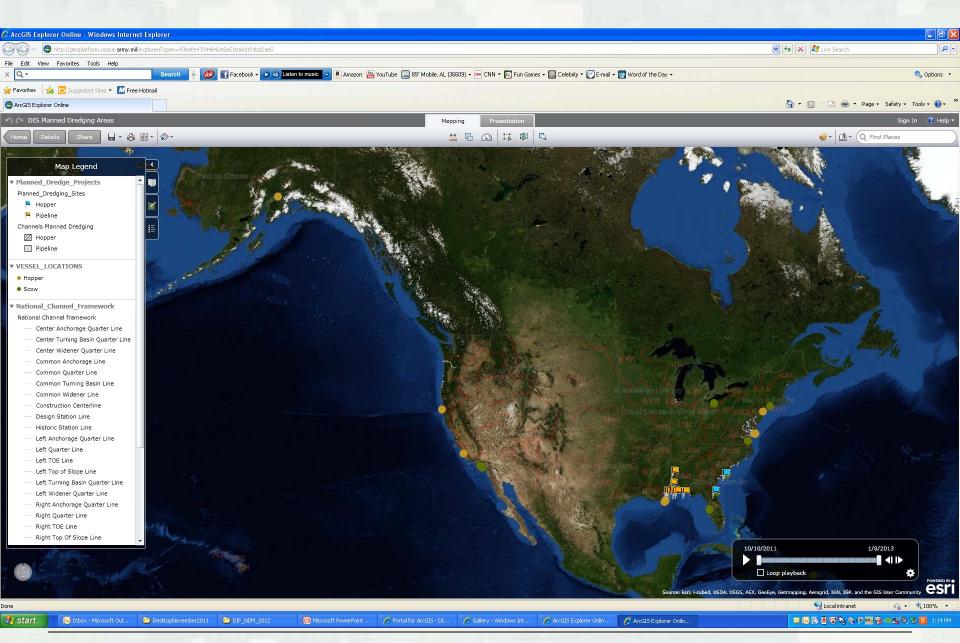


### **Proof of Concept**

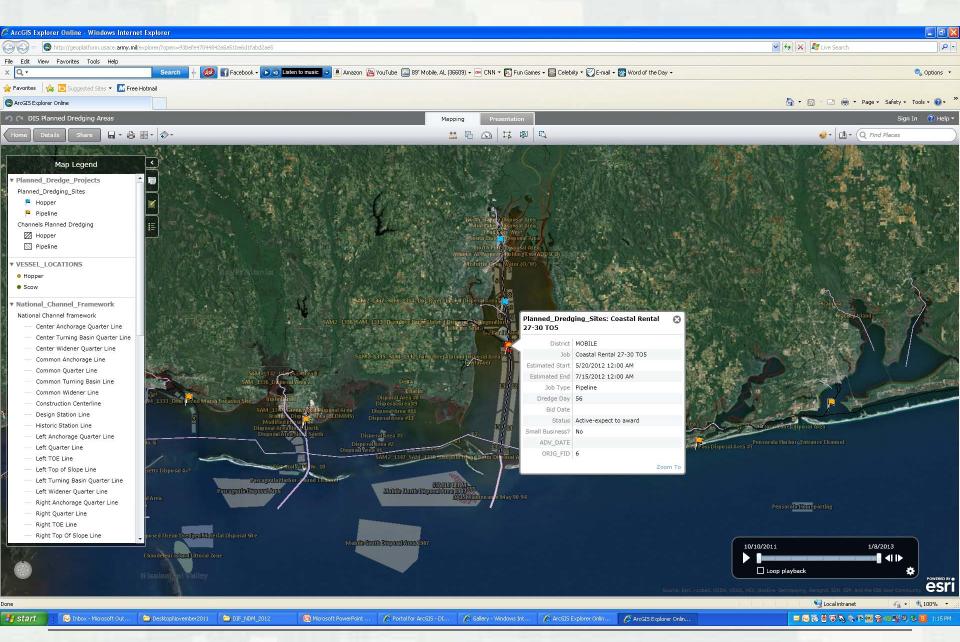
#### Mobile Dredging Schedule App:



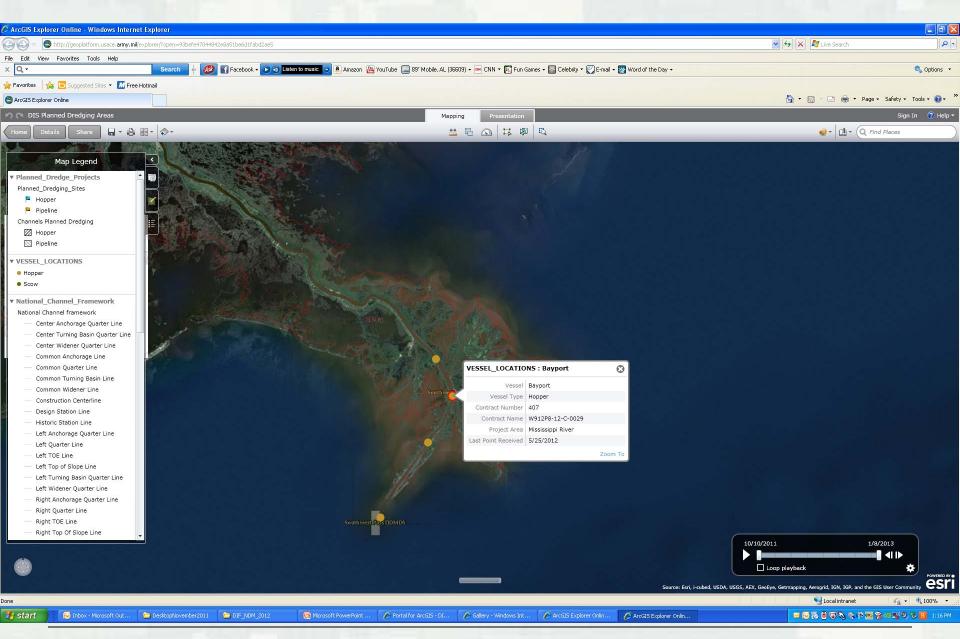




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### THE NATIONAL DREDGING QUALITY MANAGEMENT PROGRAM

The DQM Program is a partnership between the Corps and the dredging industry for automated monitoring of dredge activities.

Onboard sensors provide near-real-time data that allows for immediate response to emerging situations.

Districts can use the web-based DQM software to view, analyze, report on, and export dredging data.

The data can be used to improve business practice, ensure environmental compliance, and increase our understanding of dredging science and technology.

# DQM Center DQM Center Local Districts 1-877-840-8024

Dredging

Contractors

http://dqm.usace.army.mil

## **Question/Comments?**

