

# NATIONAL DREDGING QUALITY MANAGEMENT (DQM) PROGRAM

**NATIONAL DREDGING MEETING**

**JUNE 2, 2015**

**WASHINGTON DC**

**VERN GWIN, PROGRAM DIRECTOR  
NATIONAL DQM CENTER**



# PRESENTATION OUTLINE

- PROGRAM STATUS /  
ADVANCEMENTS
- FUTURE OBJECTIVES



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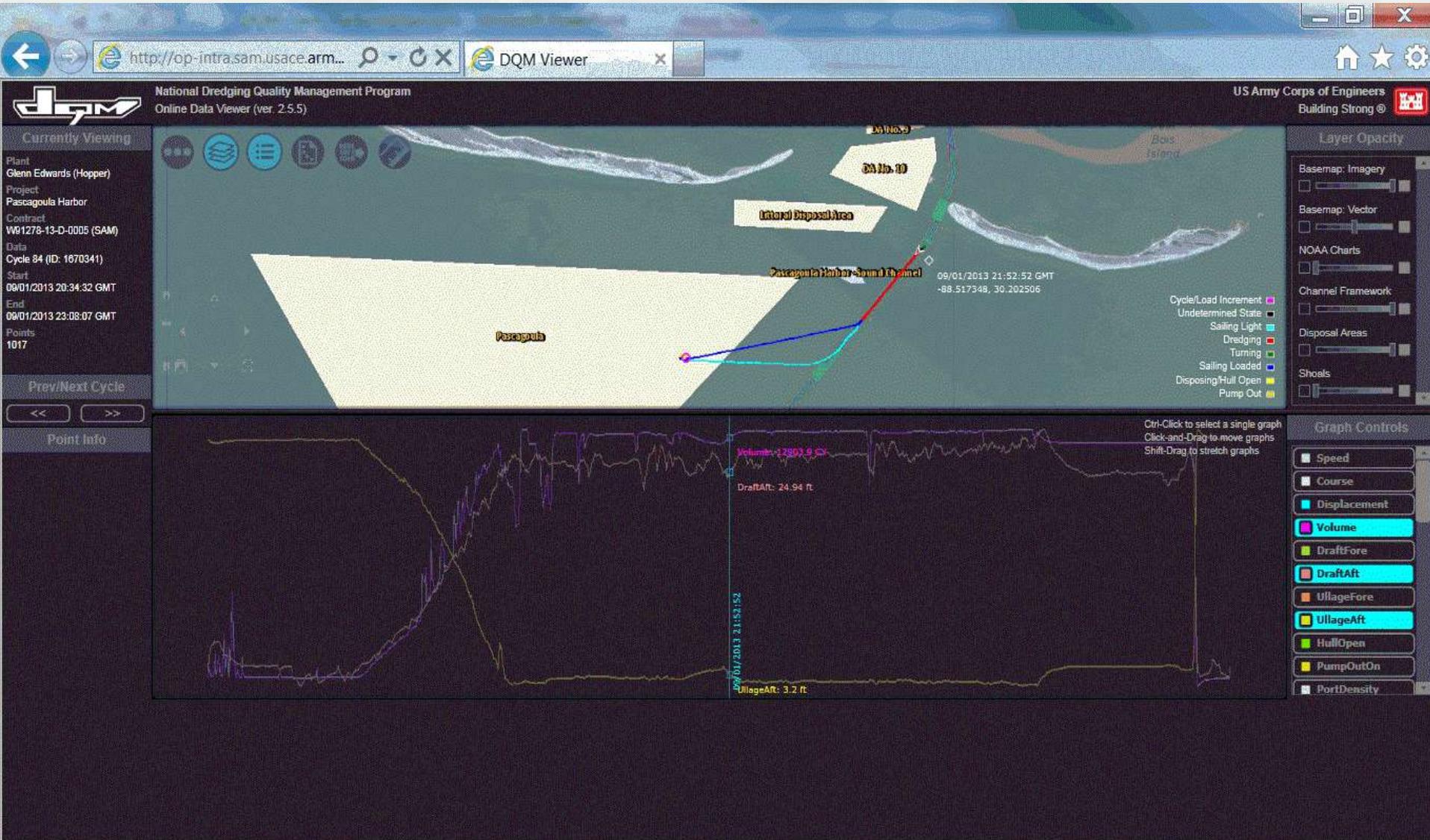
# PROGRAM STATUS

## SINCE LAST YEAR....

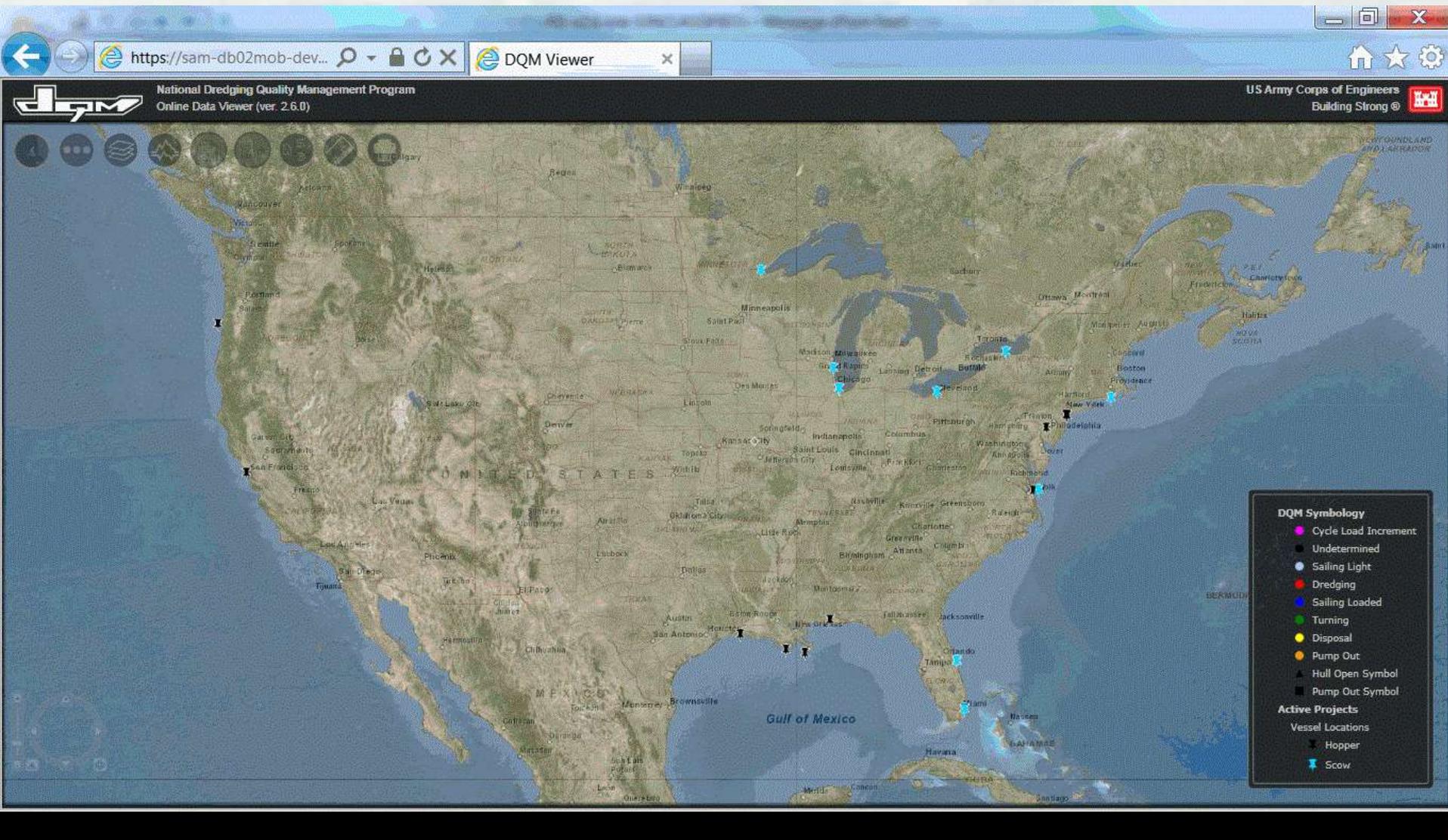
- **V2.8 AND V2.9 WAS RELEASED**
- **NEW SECURITY ACCESS**
- **PIPELINE MONITORING**
- **AUTOMATED ULLAGE IMPLEMENTATION**
- **BOEM MODELING**
- **ODESS PROGRAM**



# V2.9 RELEASED 2015



# NEW V2.9 DQM VIEWER



# SECURITY REQUIREMENTS

- **AS2 REQUIREMENTS FOR DATA WEB SERVICES**
  - ▶ DATA TRANSMITTAL
  - ▶ USER ACCESS
- **SECURITY MATRIX ROLES AND ACCESS**
  - ▶ PASSWORD ACCESS





# PIPELINE IMPLEMENTATION

- HEAD QUARTERS IMPLEMENTATION GUIDANCE APRIL 2014
- USACE DREDGING PLANTS IN SUMMER 2014
- MEETING WITH INDUSTRY IN FEBRUARY 2015
  - PDT REVIEW
  - TWO SPECS 1) COMPLIANCE 2) PRODUCTION
  - PILOT PROJECT ON INDUSTRY DREDGE



## Overview

- Currently in a 2 year, 3-Phased Development
- Phase 1 Release, FY14 (est.)
- T&E Species Data Collection and Decision Making Tool in support of Operations and Dredging, starting with sea turtles
- Design will incorporate latest web and database technologies
- Streamline T&E species data collection, processing, and reporting



# RSM INTEGRATION

- **DATABASE INTEGRATION**
- **DQM QA VERIFICATION**
- **REPORTS GENERATION**
- **AUTOMATED POPULATION**
- **REDUCTION IN PROJECT SET-UP,  
PAPERLESS, CENTRALIZED SOURCE**



# DQM DAILY RATE

- DQM Rate has been reduced twice in the last year. Total reduction has been 30% in the last year. Expected to continue to drop as much as 50% within the next year.



# NEW **DQM** PORTAL

NATIONAL DREDGING QUALITY MANAGEMENT



Search for Application:



Certifications/QA



Administration



Reports



Plots



Export



DQM Viewer



Dashboard



Payments



Tools



DQM Public Website



Training



# Question/Comments?



NATIONAL DREDGING QUALITY MANAGEMENT  
**DQ M**



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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.

