Silent Inspector
Introduction

Outline

Intro

SI System

Tools

SI Program
Issue – Stand up the Silent Inspector Center
Silent Inspector Center
USACE Mobile District
Mobile, Alabama
Silent Inspector

Government Benefits

• 24x7 coverage of operations
• Flexible scheduling of human inspectors
• Fast response to public and environmental inquiries
• Faster dispute resolution
• Better government estimates
• Improved dredging management

Industry Benefits

• National standard specifications
• National standards for automated reporting
• Reliable digital record of operations and performance
• Minimize disputes
• Faster dispute resolution
Why Mobile District??

- 6 Years SI monitoring of contracts
- Successful SHOALS transition from R&D
- SI Synergy with eCoastal & eGIS
- Experience with Ops, R&D, & IM teaming
- Required IT infrastructure in place
Silent Inspector System

Approach

Intro

SI System

SI Program

Tools
# Silent Inspector Board of Director Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>HQ</th>
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<tr>
<td>Fuller, Wynne</td>
<td>(Chairman) SAM</td>
<td>Walker, Jim HQ, CECW-OD</td>
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<td>Bossert, Vinton</td>
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Silent Inspector System
Personnel

Technical support / R&D – Jay Rosati
Training and Software Support – Rhonda Lenoir
Management and Technical Support – Gary Howell
Environmental / Regulatory – Linda Lillycrop
Program Manager – Eddie Culpepper
Engineer (Pipelines & Certifications) – Brenda Allen
Silent Inspector Program

- Guide Specifications
- Training
- Certification
- Dredging Operations Support
# Training

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SI Support Certification

Certification Inspections
28 Scows
13 Hoppers
61 Projects in 20 Districts

Currently Supporting 10 Projects that include
10 Hoppers, 7 Scows, 1 Pipeline

Plus Alaska
Pipeline Deployment

Test SI on Govt. dredges Goetz and Potter. FY07.
Port of Portland Dredge Oregon FY07

Test SI on several types of situations

2. Riverine - Goetz, Potter
3. Harbor - Oregon
4. Longline and New work - No work
Regulatory / Environmental
Turtle Risk Assessments

SI Plots

SI Data Explorer

Drag arm on bottom
Drag arm between Bottom/surface
Dredge Displacing
Dredging Slurry in Pipe
Pump Running

20 Fri Aug 2004
Local Time
Ocean Disposal Monitoring Application (under revision)
On-Board Dredge Viewer
Borrow & Disposal Area Monitoring (in work)

Difference: pre-survey & excavation

Volume Remaining

Pre-Dredge Survey
- Cutterhead Depth
- Depth Limit

Permitted Borrow Area Limits

10 March 2005
14 May 2005

Volume Remaining:
- Area B:
  - Dredge Depth: -12 ft MLW
  - Vol. Remaining: 1,221,022 cu yd
- Area C:
  - Dredge Depth: -12 ft MLW
  - Vol. Remaining: 1,221,022 cu yd
- Area D:
  - Dredge Depth: -12 ft MLW
  - Vol. Remaining: 1,221,022 cu yd
- Area E:
  - Dredge Depth: -12 ft MLW
  - Vol. Remaining: 1,221,022 cu yd

Total Volume Remaining: 12,019,565 cu yd
Thank You

Questions?

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251 441 5535