



# Marine Terrorism Response (MTR) Project

Rod Hilden

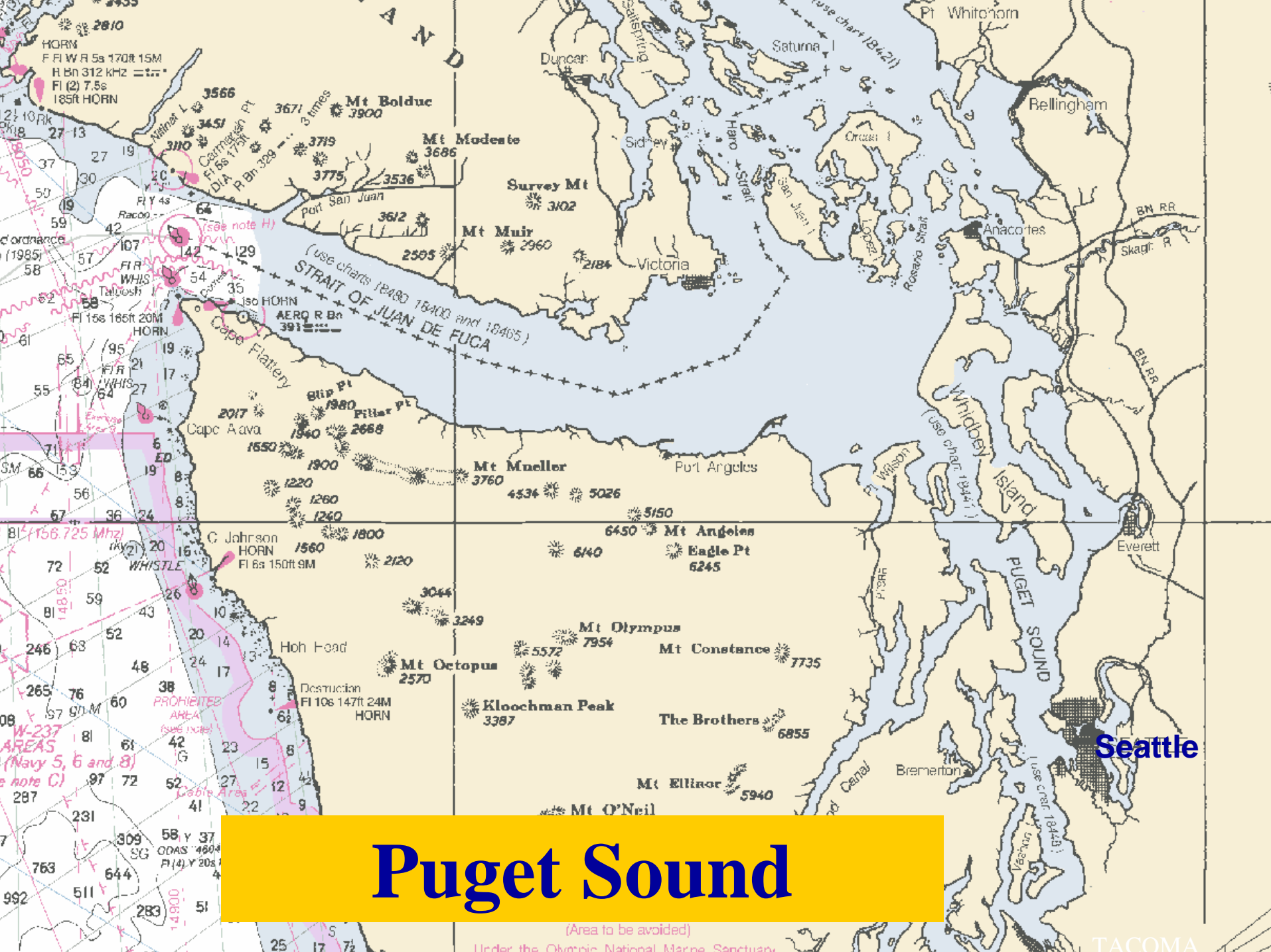
Chief Security Officer

PORT OF SEATTLE

AAPA Security and Safety Seminar

*July 27-29, 2005*





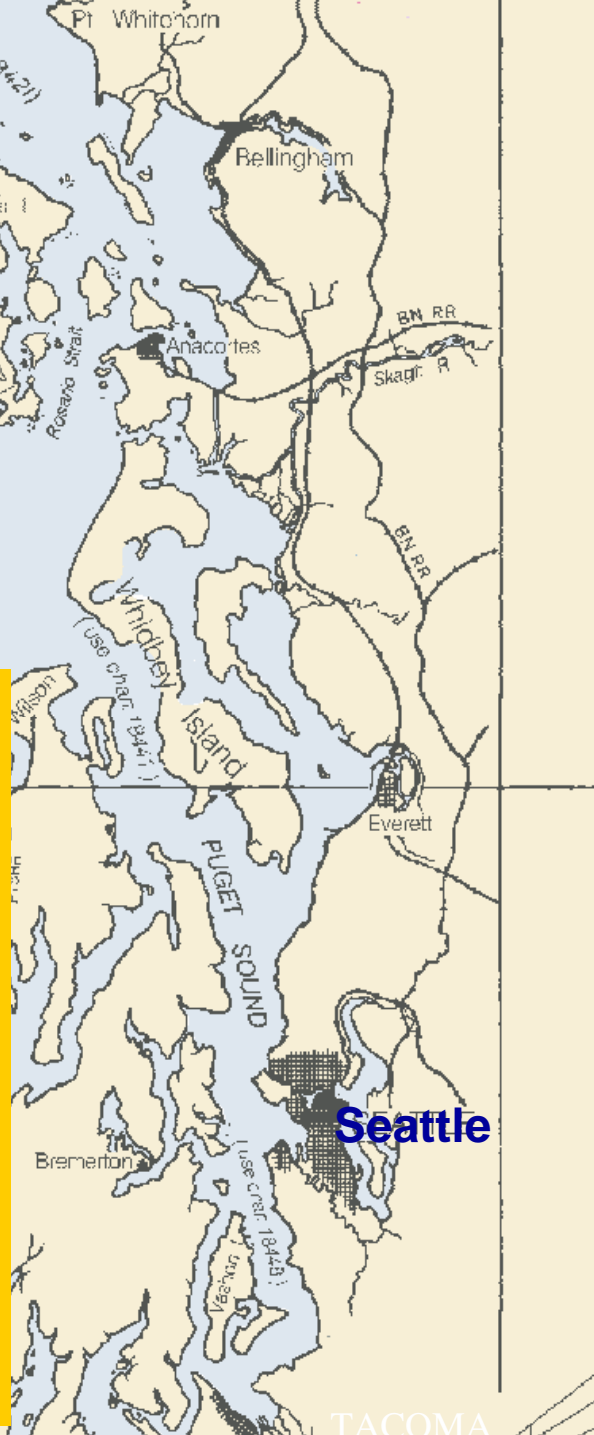
# Puget Sound

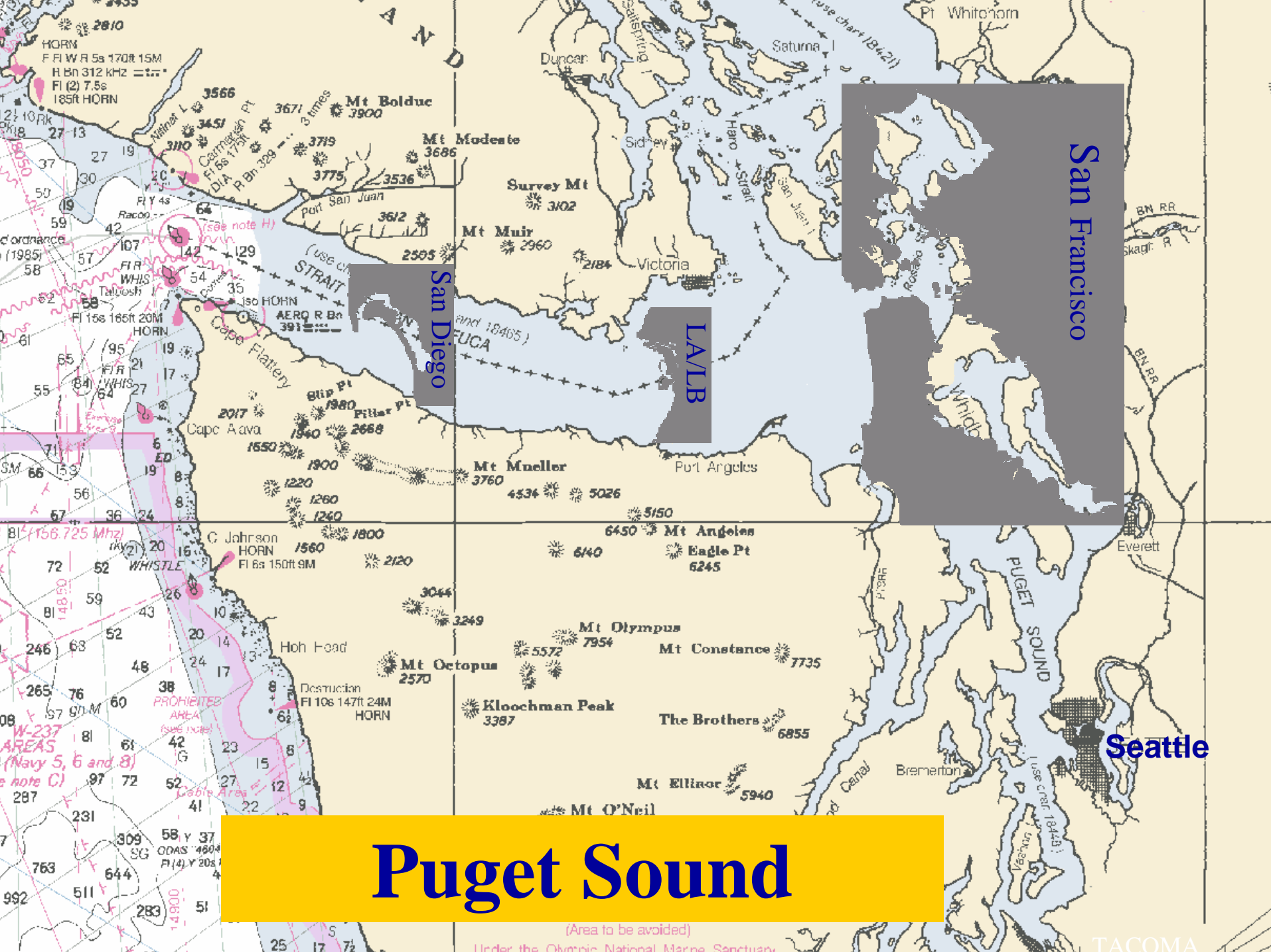
(Area to be avoided)  
Under the Olympic National Marine Sanctuary

TACOMA

# Port Characteristics

- 3500 sq mile AOR w/125 to 147nm transits to ports
- 125 nm International Border with Canada
- 3<sup>rd</sup> Largest USN Strategic Port
- 5 Key Waterfront USN facilities
- 20+ USN Vessel Movements monthly
- 520+ Pass. Ferry Transits/day; 40 w/>1,000 PAX
- 5,000 Deep Draft Vessels / year
- 12 Billion Gallons of Oil Moved annually
- 1.8 Million Containers thru Seattle annually
- Major Military Outload Port
- 169 Cruise Ship Calls / 560,000 PAX





San Francisco

San Diego

LALB

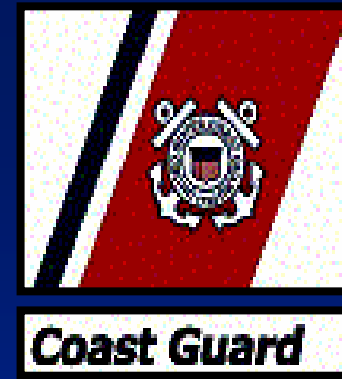
Seattle

**Puget Sound**

W-237 AREAS  
(Navy 5, 6 and 8)  
see note C)

(Area to be avoided)  
Under the Olympic National Marine Sanctuary

TACOMA



The Marine Terrorism Response (MTR) Project represents Ports' and other maritime interests "shared commitment" to work with the Department of Homeland Security, the Coast Guard and other federal and state agencies to develop enhanced capabilities that will minimize the loss of life, property and disruption to maritime commerce developing from a Transportation Security Incident.



# MTR Mission



*With funds provided by the Office for Domestic Preparedness, and participation from the Port of Seattle maritime and response community and other ports around the U.S., the Puget Sound Marine Firefighting Commission will develop and validate a multi-agency response system and national Model Plan to aid the safe and effective mobilization of local, state and federal resources to Marine Terrorism incidents.*



## *“INNOVATIVE APPROACHES”*





## ***“INNOVATIVE APPROACHES”***

a) Family of Plans vs. one Large Single Plan.

- Three volumes
- Web deployment of Plan

b) Take most useful components of other plans to make MTR plan

c) Apply new technologies

- Internet to link command posts
- Vessel and Resource Tracking
- Web based training programs



# Model Plan Benefits to Ports



1. Provides an increased preparedness capability at reduced cost.
2. Identifies gaps that need to be addressed to improve readiness.
3. Ensures Port community is player in responses
4. Ensures Ports' interests, restoration of trade and mitigation of impacts are addressed with Ports input



# 2004 Project Milestones

1. Outreach meetings (Coast Guard and FBI, First Responders, Regional and National Groups) – Commenced June 04
2. Presentation of Project Teams' "Straw Man" and Plan components to Regional and National Senior Advisory Groups – Commenced Aug 04
3. Vetting of Plan by First National Senior Advisory Group Workshop in Seattle (Dec 04)
4. Development and implementation of Web based and classroom training program
5. Table Top Exercises identified issues and needs of response community (Mar 05)



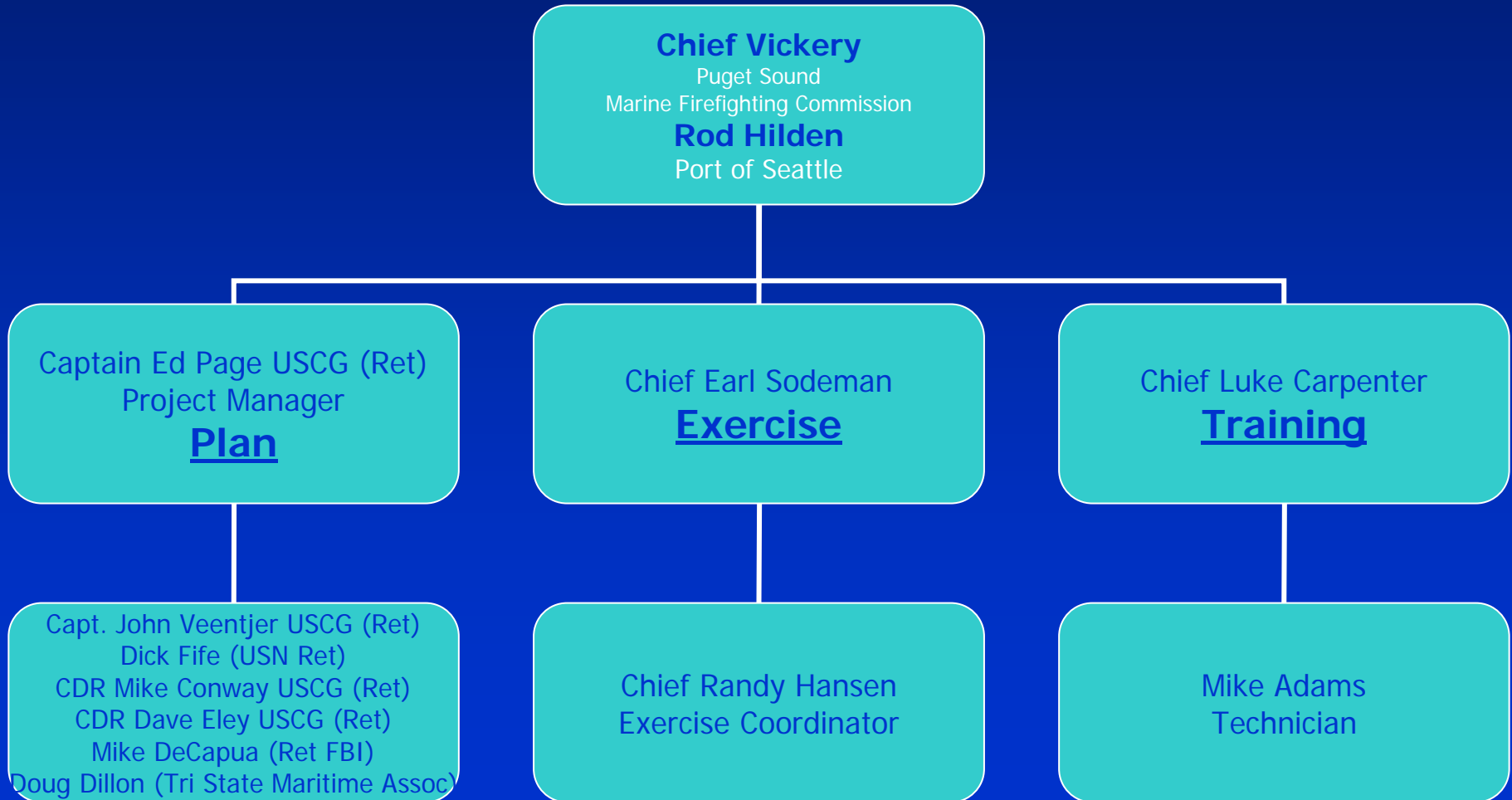
# 2005 Project Milestones

6. Refinement of Plan Components and 1st Draft of Sections (Jan 05)
7. Development of Technology Component – WEB EOC (Apr 05)
8. Vetting of Near Complete Response Plan by Second National Senior Advisory Group Workshop in Seattle (May 05)
9. Testing of Plan at Functional Table Top Exercise (June 05)
10. Refinement of Plan (Jul thru Sep 05)
11. Final Testing of Plan in Full Scale Exercise (Sept 05)
12. Final Review, Printing and Distribution of Plan (Oct-Dec 05)



# Project Team

Several Hundred Years of Experience in Emergency Response, L/E and Maritime Issues





# Regional Input in Development of National Model Plan



**Fire Departments**  
**Police Departments**  
**State Police**  
**County Emergency Response Agencies**

**State Emergency Response**  
**Federal Agencies (USCG, FBI, MARAD, DHS)**

**Marine Industry (tanker, container, facilities, ferries, passenger vessels)**



## National Input in Development of National Model Plan



Coast Guard, Port and Marine Industry Representatives from New York, Philadelphia, Jacksonville, Miami, New Orleans, Houston, LA/LB and Seattle



# Initial Plan Components

- Scenario Development – Drives Plan Components
- “Buckets” of Information Required in Plan(s)
  - Preparedness
  - Initial Response
  - Command and Support
  - Restoration of Maritime Ops
  - Administration

# MTR (Marine Terrorism Response) Planning and Action Components

## Potential Scenarios

Resource  
Typing and Database

Notification Lists  
Responders & SMEs

Drills & Exercises

Technology &  
Communication

◆ Pre-Response Actions - Preparations ◆

Size Up &  
Assessment

Law  
Enforcement

Triage &  
Impact Mitigation

Stage 1  
Notifications

◆ Initial-Response Actions ◆

Organization

Resources

Command  
Post(s)

Stage 2  
Notifications

◆ Command, Support and Decisionmaking ◆

Threat  
Stabilization

Protection of  
Vessels & Ports

Public  
Affairs

Resumption  
of Maritime Ops

◆ Restoration of Maritime Operations ◆

Plan  
Dissemination

Web Site

Security

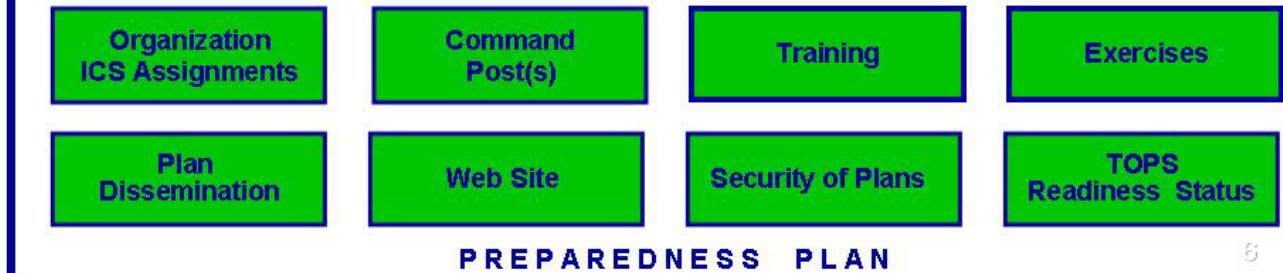
TOPS  
Readiness Status

◆ Administration ◆



# MTR (Marine Terrorism Response) Preparedness and Response Plan Components and Information Dissemination

Volume 1



Volume II

Volume III

Web EOC



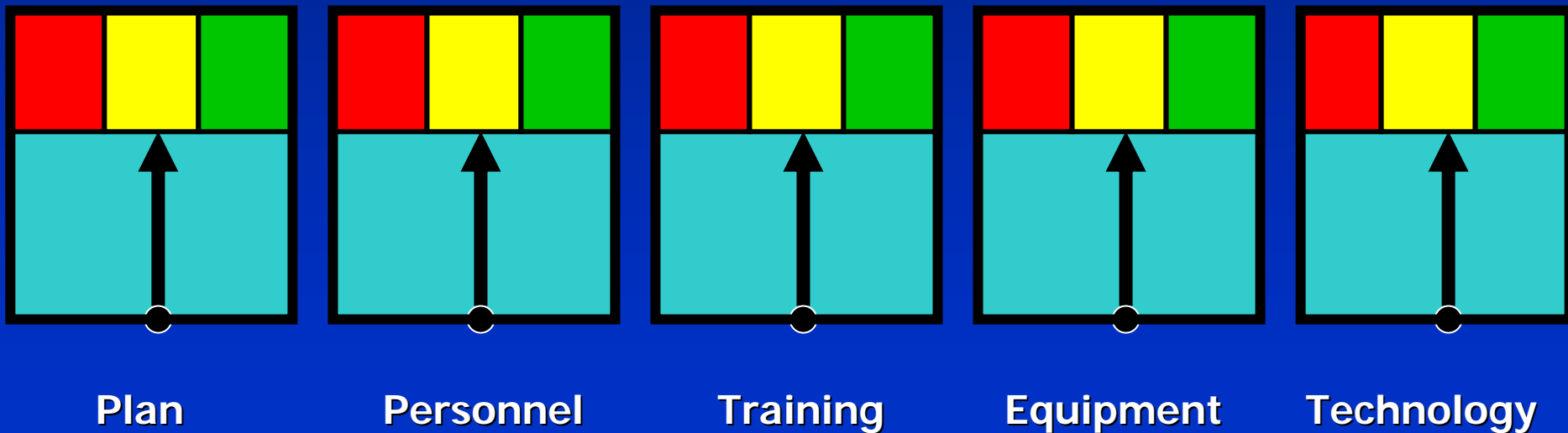


# TOPS

Terrorism Operations  
Preparedness System



## Dashboard Gauges – Present State



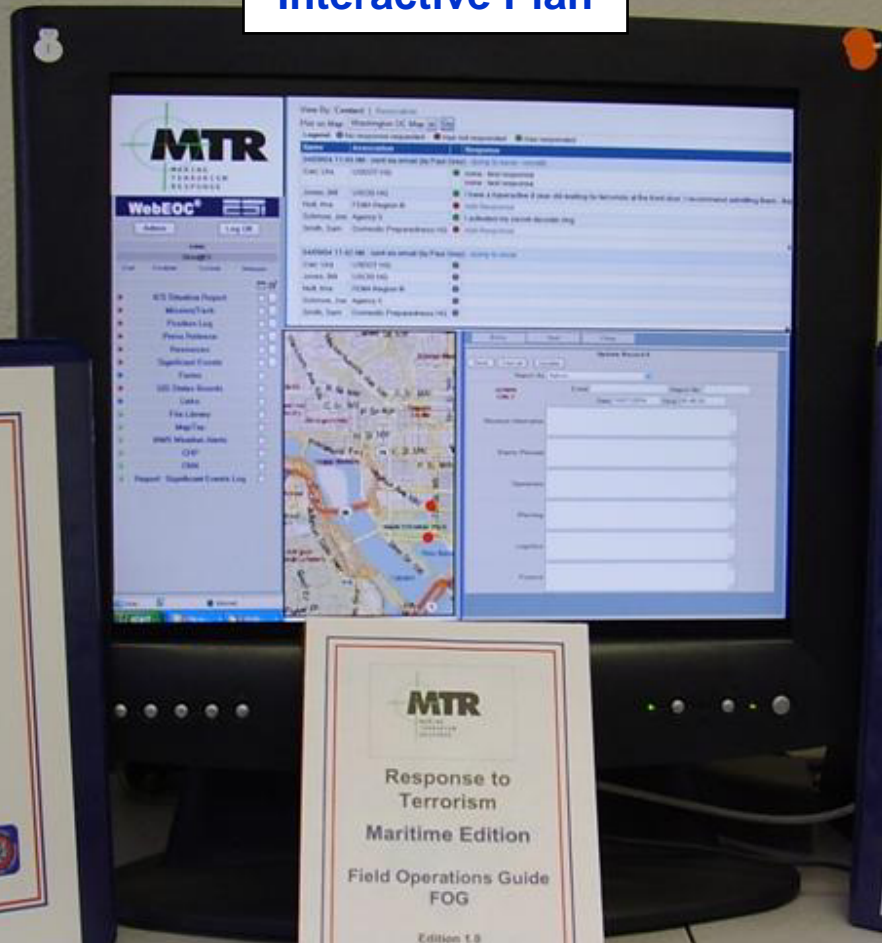


# Innovative Approaches

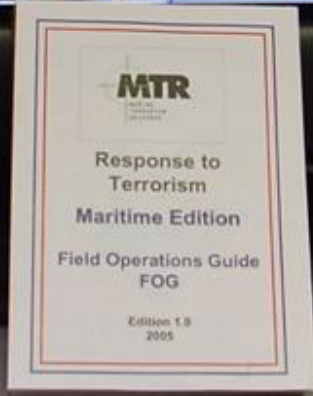
## Technology and Plans

- Family of Plans that takes the best of other Plans and presents in succinct format and use of Check Lists
  - Volume I – Preparedness
  - Volume II – Response for Command Posts
  - Volume III – Response for Field Personnel (FOG)
- Web EOC – Dynamic Plan and Network Ops Center
- Automated Tracking of Response Assets
- Web Based Training
- Web site brokering of information (plans and process)<sub>9</sub>

# Dynamic Interactive Plan



**Volume I  
Preparedness Plan**



**Volume III  
Field Ops Guide**



**Volume II  
Response Plan**



# Technology

## WEB EOC

- Provides “Plan” to hundreds of “authorized users” via Web
- Virtually connects first responders from their own Command Posts vs. relocating to central location
- Provides a “dynamic” updated Plan, i.e. Incident Action Plans developed, updated and posted
- Incorporates ICS forms and inputting of data
- Shares information to facilitate effective response
- Potential to provide greatest advance in MTR
- Ongoing project...will continue to require support in future



# Technology

## Web EOC

The image shows two side-by-side browser windows from the year 2004. The left window is titled 'http://www.esi911.com - WebEOC ...' and displays the 'WebEOC' user interface. It includes a navigation menu with items like 'ICS Situation Report', 'Mission/Task', 'Position Log', 'Press Release', 'Resources', 'Significant Events', 'Forms', 'GIS Status Boards', 'Links', 'File Library', 'MapTac', 'NWS Weather Alerts', 'CHP', 'CNN', and 'Report: Significant Events Log'. The right window is titled 'http://www.esi911.com - ICS Situation Report Ops - Microsoft Internet Explorer' and shows the 'Update Record 6' form. This form includes fields for 'Event', 'Report No.', 'Date' (10/07/2004), and 'Time' (09:49:00). Below these are several large text input areas labeled 'Situation Information', 'Events Planned', 'Operations', 'Planning', 'Logistics', and 'Finance'. The top of the right window has buttons for 'Entry', 'Sort', and 'Filter', and the main form area has 'Save', 'Cancel', and 'Update' buttons. The bottom of the image shows the Windows XP taskbar with the 'start' button, several open applications, and a system tray showing 92% battery and the time 9:09 AM.

# THE REMOTE CONTROL

**Boards** are grouped and listed first, followed by **Forms**, and finally **Links** (Each group is listed alphabetically).

The screenshot shows the WebEOC 5.6.0 interface in a Microsoft Internet Explorer browser window. The interface includes a header with the WebEOC logo and 'ESI' branding, and a navigation bar with 'Admin' and 'Log Out' buttons. Below the navigation bar, there are tabs for 'Checklists', 'Contacts', and 'Messages'. The main content area is a table with columns for 'Data', a list of items, and checkboxes. A 'MapTac' button is located at the bottom of the interface.

**Admin Module Access Button** (points to the 'Admin' button)

**User Log-out Button** (points to the 'Log Out' button)

**User Log-in Identifier** (points to the 'Admin' text)

**Event Identifier** (points to the 'No Event' text)

**New Message Red Indicator** (points to the red square icon next to 'Messages')

**User Resource Access Button** (points to the 'Checklists' tab)

**View Checkbox (Board, Form, or Link Access)** (points to the checkboxes in the table)


**Add/Update Button (Board Ops Window Access)** (points to the plus icon in the table)

**Scroll Bar** (points to the vertical scroll bar on the right)

**Data Indicator Lights**

- Black: Status Board (No new data)
- Red: Status Board (New data available)
- Blue: Form
- Green: Link

Data		
ESF-01 Transportation	<input type="checkbox"/>	<input type="checkbox"/>
ESF-02 Comms and Warning	<input type="checkbox"/>	<input type="checkbox"/>
HEICS Activity Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICS 201	<input type="checkbox"/>	<input type="checkbox"/>
ICS 202	<input type="checkbox"/>	<input type="checkbox"/>
Mission/Task	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Patient Surveillance	<input type="checkbox"/>	<input type="checkbox"/>
Press Release	<input type="checkbox"/>	<input type="checkbox"/>
Response Forces	<input type="checkbox"/>	<input type="checkbox"/>
RL Notification Form	<input type="checkbox"/>	<input type="checkbox"/>
Significant Events	<input type="checkbox"/>	<input type="checkbox"/>
Task Assignments	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WebEOC** 

epage  
Training

- Command Centers**
- ESF Situation Report**
- Notifications**
- Ordering Resources**
- Organization**
- Resources**
- Response - Bio**
- Response - Chemical**
- Response - Fire**
- Response - IED**
- Response - L/E**
- Response - Mass Rescue**
- Significant Events**
- Significant Events**
- Special Teams**
- Subject Matter Experts**
- Task**
- ICS Forms**
- Mapping Resources**
- File Library**
- MapTac**
- NWS Weather Alerts**
- Aerial Photos**
- Marine Exchange Seattle**
- Resource Tracking**

Entry    Sort    Filter

**OBJECTIVES**    Explosion - WSA    4/30/2005    23:35

**4. Operational Period**  
0800-2000 30 April 2005

**5. General Control Objectives for the Incident (include alternatives)**

Evacuate and rescue passengers and crew via rescue fleet of vessels....Coast Guard, Seattle Fire Boats, Commercial passenger vessels and tugs

Ensure Security/Safety Zone around vessel and Mass Rescue Operation. Ensure rescue vessels proceed at reduced speed and scan water for persons afloat.

Ensure passenger and crew accountability

Triage rescue...(1) persons in water first (2) any persons remaining on vessel (3) persons in rafts

Mortalities taken to CG at Pier 36

Triage rescued persons....injured/hypothermic taken to Coleman dock

Provide security for other WSF ferries

**6. Weather Forecast for Period**

Winds SE increasing to 25 knots, seas 3 feet will complicate recovery

Temperatures 55 degrees, overcast with some rain

**7. General Safety Message**

Vessels proceed with caution to ensure to persons ran over by response vessels.

Communicate persons recovered and need for rapid assistance (help) for those requiring immediate medical attention.

First aid boat is Seattle Fire Boat



# WebEOC<sup>®</sup> ESI

Admin Log Off

epage Training Chat Checklists Contacts Messages

- Command Centers
- ESF Situation Report
- Notifications
- Ordering Resources
- Organization
- Resources
- Response - Bio
- Response - Chemical
- Response - Fire
- Response - IED
- Response - L/E
- Response - Mass Rescue
- Significant Events
- Significant Events
- Special Teams
- Subject Matter Experts
- Task
- ICS Forms
- Mapping Resources
- File Library
- MapTac
- NWS Weather Alerts
- Aerial Photos
- Marine Exchange Seattle
- Resource Tracking

## ASVIS Automated Secure Vessel Tracking System<sup>™</sup>

Legend on/off [Navigation icons: Home, Stop, Refresh, etc.] 03:29 UTC

- Monterey Parks
- Puebla streets
- Puebla Points of Interest
- Puebla Parks
- Queretaro streets
- Queretaro Points of Interest
- Queretaro Parks
- Toluca streets
- Toluca Points of Interest
- Toluca Parks
- Major Roads
- Mexico City Points of Interest
- Mexico Parks
- Highways
- Airports
- US-Mexico Border Crossings
- Truck Rail Transfer Facilities
- Railroad
- Boundaries
- Mexico states
- World Image and Borders
- World Countries - Labels
- State/Provincial Borders
- International Borders
- Ikonos 1m Satellite and Airports
- Lakes and Reservoirs
- Chicago (east), IL (long)
- Chicago (west), IL (long)
- Honolulu, HI (longer down)

MMSI: 351179000  
 Name: BRIGHT STREAM  
 Call Sign: 3FIK7  
 Ship Type: Cargo ship  
 Cargo:  
 Timestamp: 03:28:03  
 Destination: TACOMA,WA,USA  
 ETA: 2005-5-1 3:5  
 Speed: 0 Knots  
 Lat: 47.596000  
 Lon: -122.351167  
 Heading: 324°

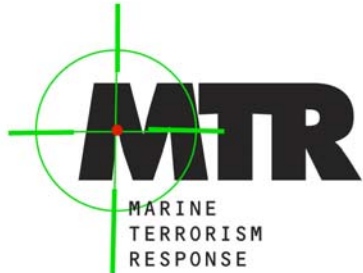
AS Assets : MMSI: 351179000-Name: BRIGHT S 1 : 79,770 6.68 x 6.96 (mi)



# Technology

## Web based “AWARENESS” training

- Accelerates Training of all Responders
- Reduces cost of training
- Facilitates Changes to Curriculum as Response Concepts and Tools Change
- Easily and Modifiable to address needs of other response groups and entities around the U.S.



# Technology

## Web based “awareness” training

A screenshot of a Microsoft Internet Explorer browser window. The title bar reads "Puget Sound Marine Firefighting Commission - Marine Terrorism Response (MTR) - User Portal - Microsoft Internet Explorer". The address bar shows "http://localhost/ptm/courseReview.asp?CID=6". The main content area is titled "Current Course: Marine Terrorism Response - Awareness Level". It contains four sections of text, each with a "Preview Formatted Content" button and a "Change Chapter Title" button. The sections are: "Introduction to Awareness Level Marine Terrorism Response", "INTRODUCTION TO MARITIME TERRORISM RESPONSE TRAINING", "WASHINGTON STATE STANDARD FOR MARINE FIREFIGHTING FOR LAND-BASED FIREFIGHTERS", and "DEFINITIONS". At the bottom, there are dropdown menus for "Quiz: 2" and "Exam: 2". The status bar at the bottom shows "Done" and "Local intranet".




# Technology

## Web based “awareness” training

Puget Sound Marine Firefighting Commission - Marine Terrorism Response (MTR) - User Portal - Mic...

File Edit View Favorites Tools Help

**Barges** - Barges can carry any material that is carried by a larger ship, including containers and bulk cargos such as grain. Barges often are used where deep-draft vessels cannot travel. Barges are not self-propelled and are delivered to their destination by tugboats or towboats. Many barges can be tied together to form a "tow," which resembles a raft floating on the water. Barges fall into two categories, petroleum/bulk liquid barges and freight barges. Petroleum/bulk liquid barges are inspected by the Coast Guard while freight barges are not. Barges are divided into individual tanks or voids. Some petroleum barges may contain a double hull that contains a void space between the bottom and the inner hull for protection from oil pollution. Barges often do not have their own firefighting capabilities beyond the portable extinguishers required by regulations. Freight barges may equipment, containers, mobile home, or anything that can be loaded onto the barge. Entry into any type of barge should be considered a confined space entry and the appropriate guidelines should be followed.

An aerial photograph showing a large, flat-topped barge being towed by a tugboat. The tugboat is positioned at the front of the barge, connected by a thick tow rope. The barge is filled with various pieces of equipment, including pipes, tanks, and structural frames. The water is a calm, greyish-blue, and the background shows a distant shoreline with some buildings and hills under a clear sky.



# Technology

## Web site brokering of information

Back Links Address <http://www.marineresponse.org/> Go


MARINE TERRORISM RESPONSE

**Port of Seattle Marine Terrorism Response (MTR)  
Project Web Site**

**Mission Statement**

With the assistance of Office for Domestic Preparedness Funds and input and participation from other ports around the U.S., the Puget Sound Marine Firefighting Commission will develop and test a national model plan and multi-agency response system to aid the safe and effective mobilization of local, state and federal resources to Marine Terrorism incidents.

[Click here to learn more...](#)



[Home](#) | [Description](#) | [Request Information](#)

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# Next Steps

- Revision of Plan
- Training on use of plan and technology tools (web eoc)
- Full Scale Exercise
- Final Plan Review
- Dissemination of Plan



# Plans Dissemination

- Full Size Manuals
- CDs with manuals and check lists
- Field Operations Guide
- Web EOC (Password protected)





[www.marineresponse.org](http://www.marineresponse.org)