Usability Test Scripts for External Users

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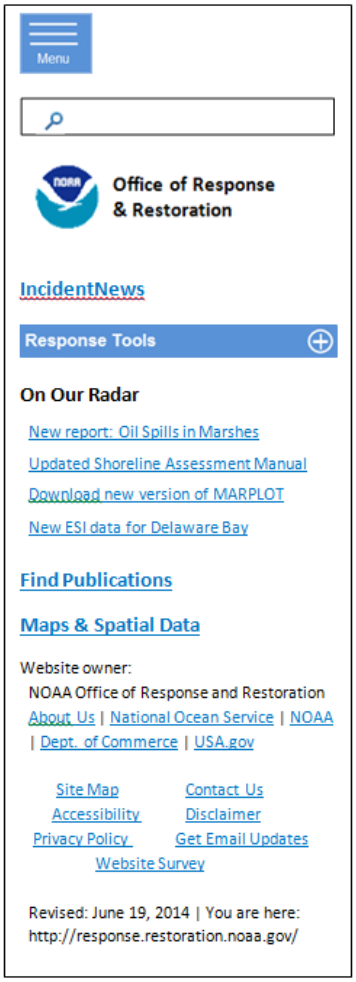
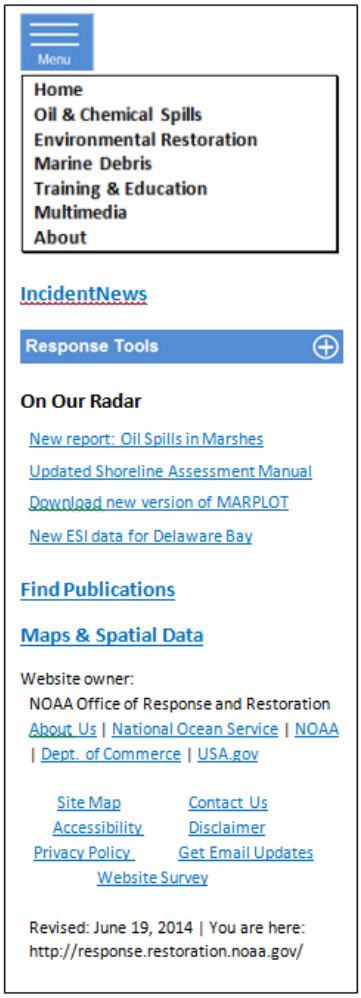
Mobile Homepage:



User clicks Menu:



User clicks Oil & Chemical Spills (in Main Menu):

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Every year NOAA responds to more than a hundred oil and chemical spills in U.S. waters, which threaten life, property, and public natural resources....

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During an oil spill in coastal waters, OR&R's role is to provide scientific support to the U.S. Coast Guard....In addition to spill response software and mapping tools....

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Chemicals can be an important part of manufacturing valuable economic goods—but they can also create dangerous situations...

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For significant spills, OR&R is responsible for providing scientific support to the Federal On-Scene Coordinator...

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Response Tools

Some of OR&R's more widely distributed chemical spill response tools include the CAMEO software suite (CAMEOfm, CAMEO Chemicals, ALOHA, and MARPLOT), a group of programs used by first responders and planners to help them prepare for and deal with hazmat emergencies. In addition, responders and planners can use the Chemical Reactivity Worksheet, a program that allows you to see what reactions might occur when pairs of chemicals are mixed together.

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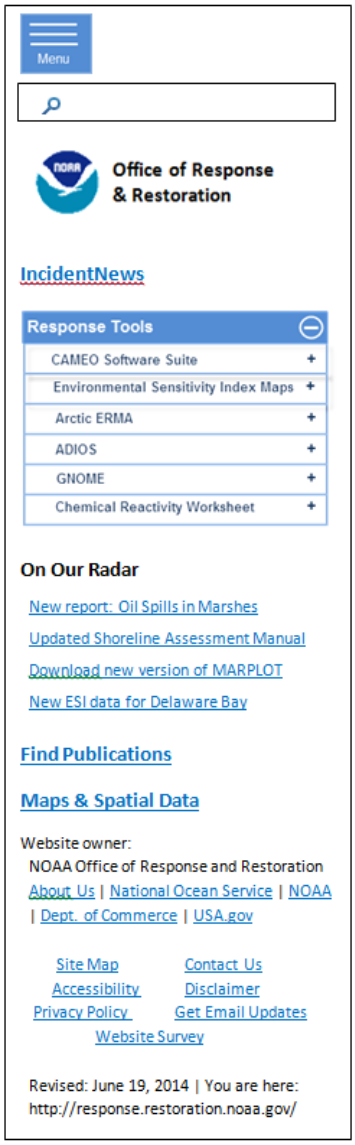
Emergency responders (as well as programmers developing tools for use with the CAMEO software suite) can find an assortment of helpful guides, software tools, and training information ...

User drops down Response Tools menu



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ALOHA: A modeling application that estimates threat zones associated with hazardous chemical releases, including toxic gas clouds, fires, and explosions.

MARPLOT: A mapping program with which you can easily view and modify maps, and you can also create your own objects.

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You can also customize your view by drawing your own objects on the map…

As part of the CAMEO software suite, MARPLOT can be used with other programs in the suite: responders can link overlay objects to the CAMEOfm database program and easily display ALOHA threat zones….

Accessing MARPLOT

MARPLOT is developed jointly by NOAA and the Environmental Protection Agency (EPA)…

MARPLOT Program: Download MARPLOT from the EPA CAMEO site.

MARPLOT and Environmental Sensitivity Index (ESI) Maps

You can also use MARPLOT to display ESI maps…

More Information about MARPLOT

MARPLOT Fact Sheet [PDF, 948 KB]: Learn more about basic features of MARPLOT…

MARPLOT Technical Documentation: Download a document (from the EPA CAMEO site) that describes the technical details of the program…

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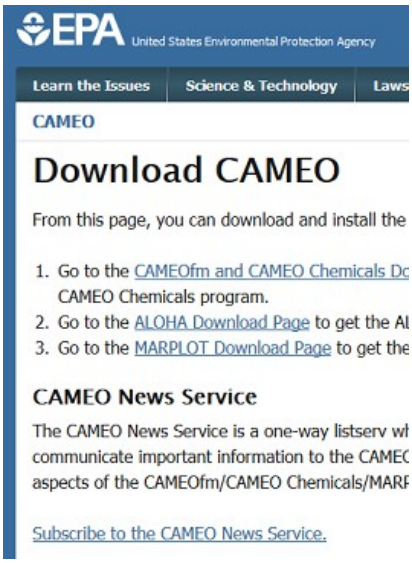

User clicks MARPLOT Download Page:

User clicks MARPLOT Fact Sheet:

NOAA's National Ocean

MARPLOT®

MARPLOT (Mapping Application for Response, Planning, and Local Operational Tasks) is the mapping program for the CAMEO® software suite.

With MARPLOT's easy-to-use GIS interface, you can quickly view and modify maps, and you can create your own objects.

MARPLOT is developed jointly by the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Environmental Protection Agency (EPA).

Acme Chemicals

Central Hospital

ALOHA® threat zone (near the chemical facility object) displayed on a sample MARPLOT map.

Key Program Features

- Switch quickly between three basemaps: standard map files, aerial photos, and topographical maps.
- Get population estimates.
- Get information about basemap features.
- Link overlay objects to the CAMEOfm database program.
- Easily display ALOHA threat zones.
- Customize your view by drawing your own objects on the map and specifying which basemap layers are shown.

User clicks CAMEOfm:

CAMEOfm

CAMEOfm (Computer-Aided Management of Emergency Operations) is a database application (with eight modules) designed to help first responders and emergency planners access and manage crucial chemical property and emergency response information for hazardous chemical releases.....

...ALOHA, MARPLOT, and CAMEO Chemicals can also be used independently of the CAMEOfm interface.

Accessing CAMEOfm

CAMEOfm is developed jointly by NOAA and the Environmental Protection Agency (EPA), and it runs on both Mac and Windows computers.

CAMEOfm Program: Download CAMEOfm from the EPA CAMEO site.

More Information about CAMEOfm

CAMEO Fact Sheet [PDF, 758 KB]: Learn more about basic features of the four core CAMEO suite programs in this CAMEO fact sheet.

CAMEO News Service: Join the CAMEO News Service e-mail list on the EPA CAMEO site to receive news and other helpful information from the development team.

CAMEO Companion [PDF, 13 MB]: Learn more about working with all of the CAMEO suite products with the CAMEO Companion, a written help resource...

CAMEO Software Suite: Find out more about the four core programs —and several related programs—in the CAMEO software suite,....

Questions: Contact us with questions, comments, or suggestions about CAMEO.

Task 2. Incident Meteorologist/National Weather Service needs background on how NOAA is generally involved in responding to oil spills.

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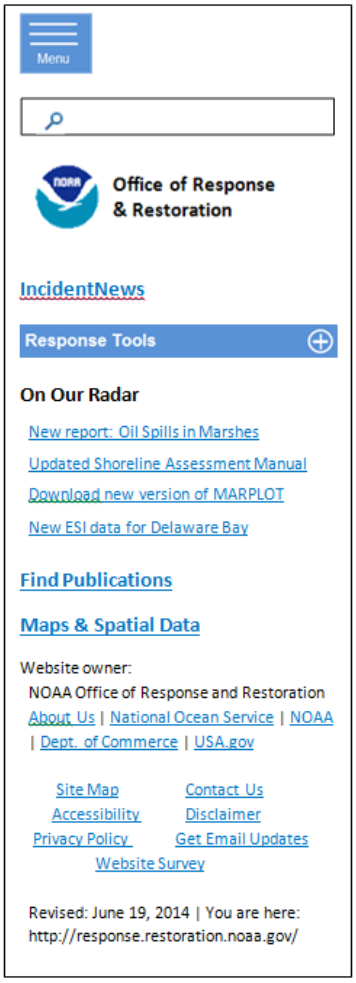

User clicks New report: Oil Spills in Marshes

[add when this report is posted online]

User clicks Find Publications

Publications

NOAA's Office of Response and Restoration has prepared a number of job aids, reports, and publications to help people deal with spills of oil and petroleum products. Use the links below to learn more about these free resources.

ALOHA Example Scenarios

To build your knowledge of ALOHA and MARPLOT, download this training document…

Characteristics of Response Strategies: A Guide for Spill Response Planning in Marine Environments

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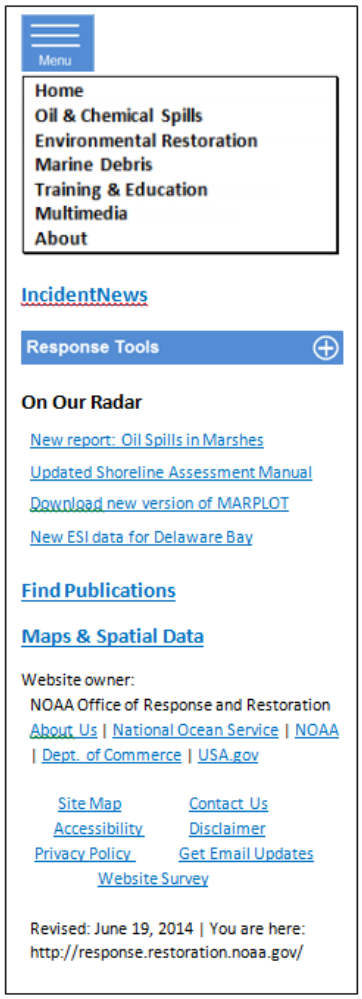

User clicks Training & Education:

Training and Education

NOAA's Office of Response and Restoration (OR&R) offers educational resources for teachers and students, as well as various workshops and self-study options to spill response professionals in local, state, and federal governments and industry.

The goal of this training is to transfer scientific expertise and experience to the broadest possible audience...

Training

Each year, OR&R provides extensive training to approximately a thousand individuals in industry and government on the scientific aspects of oil and chemical spill response...

Register now for our popular Science of Oil Spills class or build your knowledge of spill and chemical accident response on your own, using our job aids and publications.

Questions? Contact the Training Specialist.

Education: For Students and Teachers

Explore an ocean's-worth of information related to our efforts to protect and restore the nation's waters from pollution. You'll find experiments and activities for elementary school students and life-long learners alike....

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Response Tools

To better prepare response communities for oil spills, OR&R develops several software and map tools for spill response and planning. These include **GNOME**, a trajectory forecasting tool; **ADIOS**, an oil weathering model; **Environmental Sensitivity Index (ESI) maps**, that identify vulnerable resources and habitats; and **ERMA®**, a GIS-based tool that consolidates key response data...

Resources

OR&R also publishes many of its guidelines for emergency responders and planners as small, field-oriented job aids. Find electronic versions of these **job aids** along with other oil spill response publications here, including **Seafood Safety After an Oil Spill**, the **Shoreline Assessment Manual**, and the **FOSC's Guide to NOAA Scientific Support....**

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Publications, Training, and other Resources....

More Information about Oil Spill Response...

User action steps to copy and paste:

User clicks Site Map

Site Themes

Tools, publications, and information related to our work...

- Oil and Chemical Spills (246)
  - Oil Spills (160)
    - Response Tools (74)
    - Resources (70)
  - Chemical Spills (54)
    - Response Tools (19)
    - Resources (35)
  - Significant Incidents (25)
    - Exxon Valdez Oil Spill (21)
  - Disaster Response Center (2)
- Environmental Restoration (16)
  - Environmental Assessment Tools (6)
- Marine Debris (43)
- Training and Education (32)
  - Training (16)
    - Workshops (5)
    - Self-Study Resources (11)
  - Education... (16)
- About (295)
  - For Media (279)

Maps and Spatial Data

Tools, projects, and information related to mapping and spatial data, such as the online mapping tool, ERMA; the mapping program, MARPLOT; and the environmental sensitivity maps of the U.S. coastline, the ESIs.

- Maps and Spatial Data (63)
  - Environmental Response Management Application (ERMA) (12)
- Multimedia...
- Publications...

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