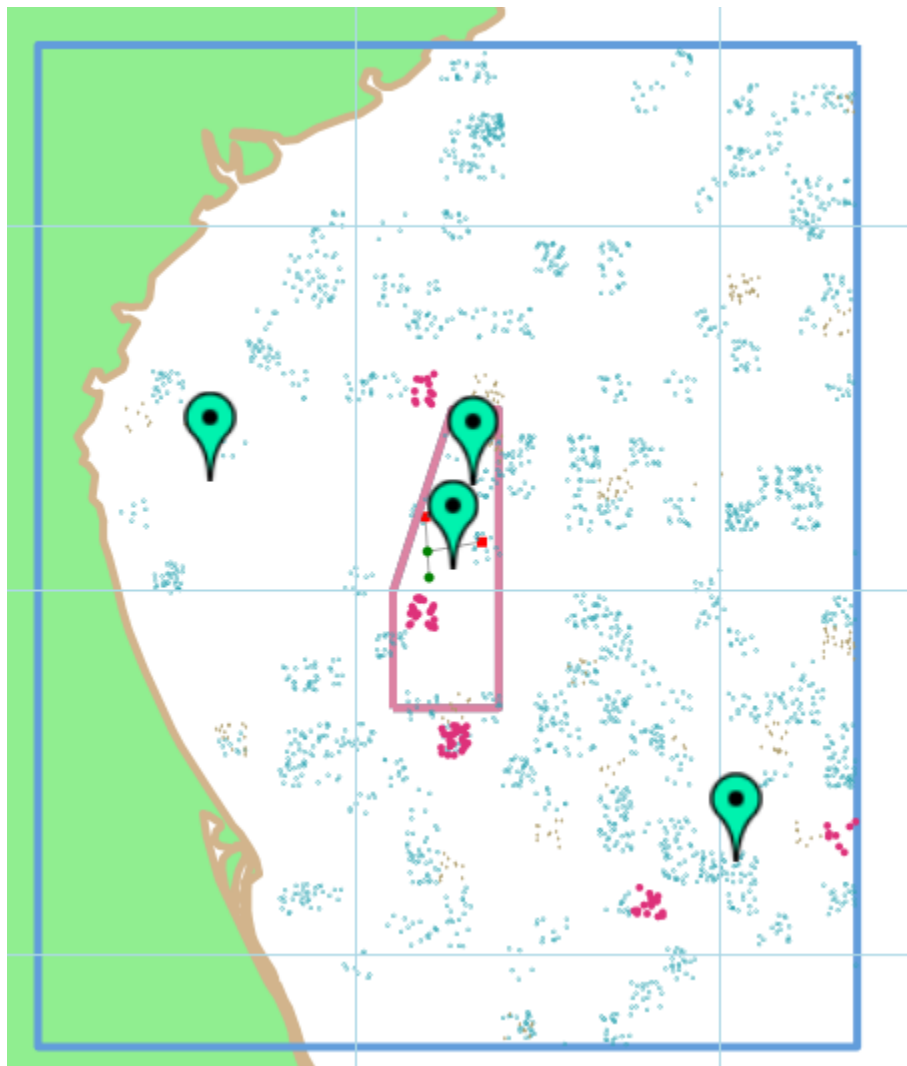


**New in this version:****Full Simulation Support**

When a simulation area has been defined and specified to have an operational area containing sound sources, environmental data, animal populations, and acoustic analysis points, the exposure of each static animal to all relevant PSM can be computed and output to CSV.

Animat Location Files:

Animat Location Files (*.sce) now populate animats only in the geographical area specified by the ESME Scenario File (*.nemo), and are bounded by a Bathymetry Boundary layer.

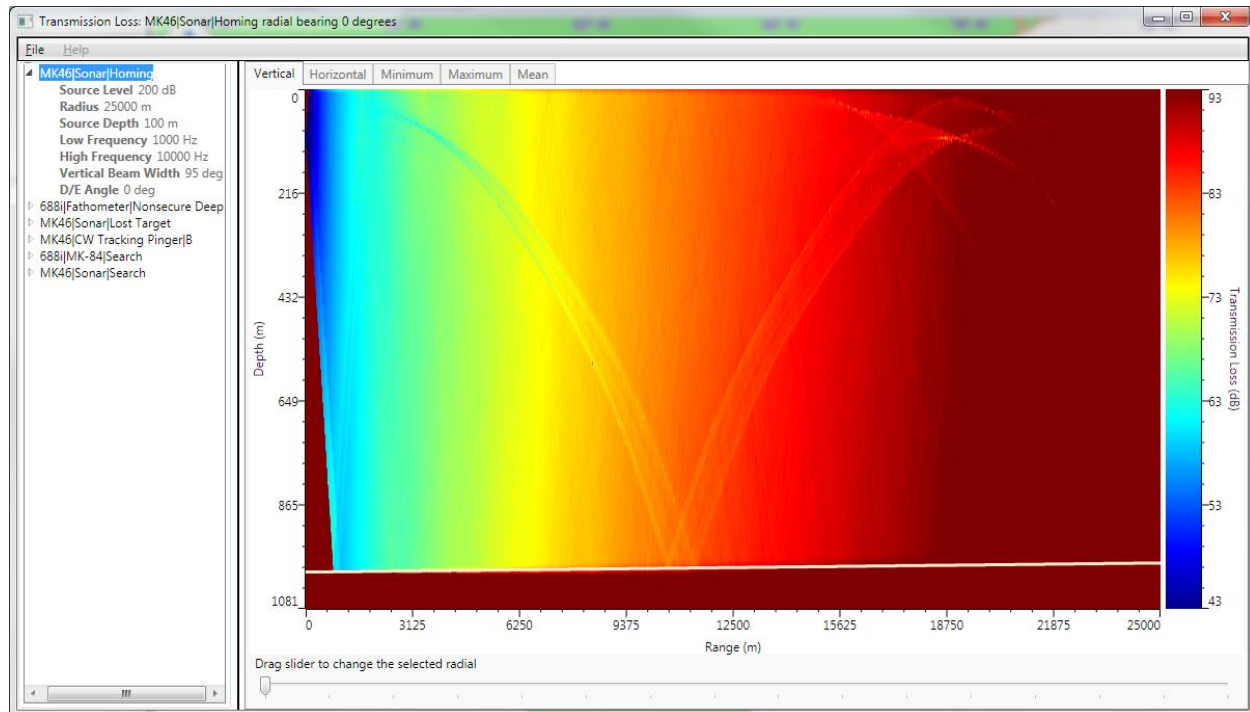


Animats distributed within a Bathymetry Boundary



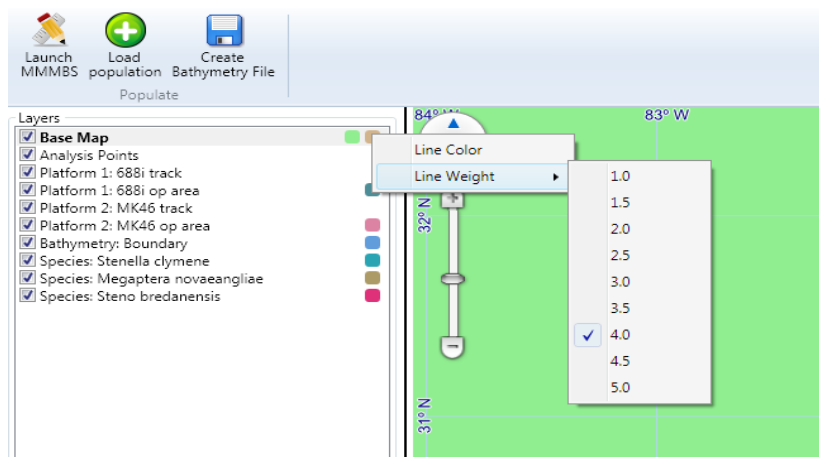
Transmission Loss View:

Analysis Points now have a more informative transmission loss viewer, in which the acoustic parameters of all modes are visible for each transmission loss field. Additionally, the bottom profile and bathymetric data are overlaid on each transmission loss field.



User Interface

Numerous small changes in icons and menu layout for a more consistent look and feel were made. User convenience features, such as a “Zoom to Scenario” capability, and a list of Recent Experiments, were added. The list of map layers now include two colorized icons that represent the current color of each layer and allow it to be changed through context menus.

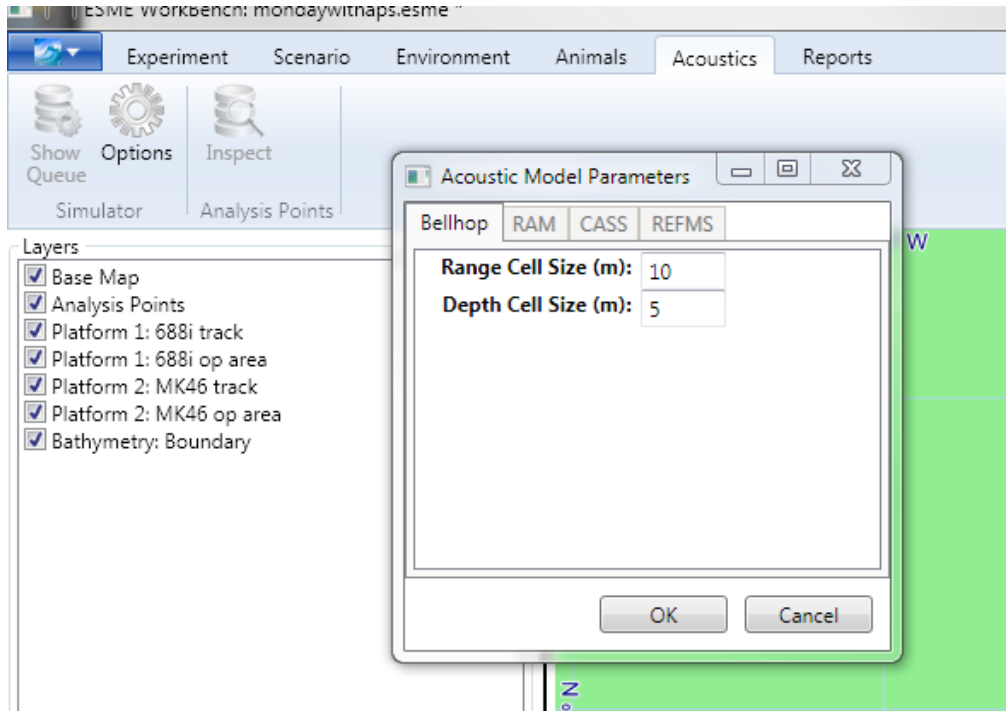


Context menus allow the Line and Area colors to be changed. For Animat layers, the Symbol size, shape, and color can be modified.



Acoustic Simulators

In addition to Bellhop, users can select RAM for use as an Acoustic Simulator. All Simulators have default options that can be changed through the Acoustic Model Parameters Options dialog.



The Options dialog for the Acoustic Simulators is located on the Acoustics Tab.

User Documentation

A User Guide, more thorough than these Release Notes and including step-by-step instructions for common operations, is now included with every release and is accessible in the Start Menu program group after ESME Workbench 2010 has been installed.

Bugs fixed:

- Plentiful stability and error-checking fixes.
- Fixed intermittent display refresh errors with transmission loss fields.

Known Bugs:

- Reordering the Analysis Point layer will cause ESME to crash.