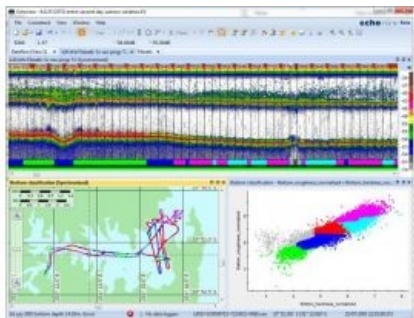


Echoview 6 Available



The release of Echoview 6 introduces features including bottom classification, heave compensation and two new multibeam noise and background removal operators. A summary of the new features, that have been anticipated and tested during the last months, is displayed below.

Bottom classification, performed using sound velocity data, generates a large number of features which are extracted and calculated from first and second bottom echoes. The features can then be automatically or manually clustered into classes. A variety of advanced algorithms are available for automatic clustering. Bottom classification results can be visualized in several new graphs, the echogram integram, and as a cruise track.

Heave compensation

Echogram data can now be heave compensated. A platform can be configured to use platform depth or heave data, which results in the samples within pings being automatically adjusted to the correct position in the water column. This is particularly useful for vessels affected by heave, and platforms that move vertically in the water column such as towed bodies, AUVs and trawl-mounted sonar's.

Customisable line drawing

Users can change the colour and thickness of lines when drawn onscreen. Defaults for lines can be set by choosing a thickness and colour scheme in EV File Properties. Properties of individual lines can be overridden in the Line Properties dialog.

Multibeam processing operators

Two operators have been added to assist processing the captured multibeam data. The Multibeam background removal operator calculates which samples in a ping are likely to represent unwanted background objects based on data in the surrounding pings, and removes them. The Kovesi image denoising operator applies an image-processing technique (wavelet denoising) to remove unwanted signal noise from a ping and clarify the underlying signal shape.

Further details and availability are on the [Echoview website](https://www.hydro-international.com/content/article/echoview-6-available).