Visual Aquatic

NEW

Visualize, Quantify and Assess the Aquatic Ecosystem: Fish, Marine Life and Habitat

FISH AND MARINE LIFE
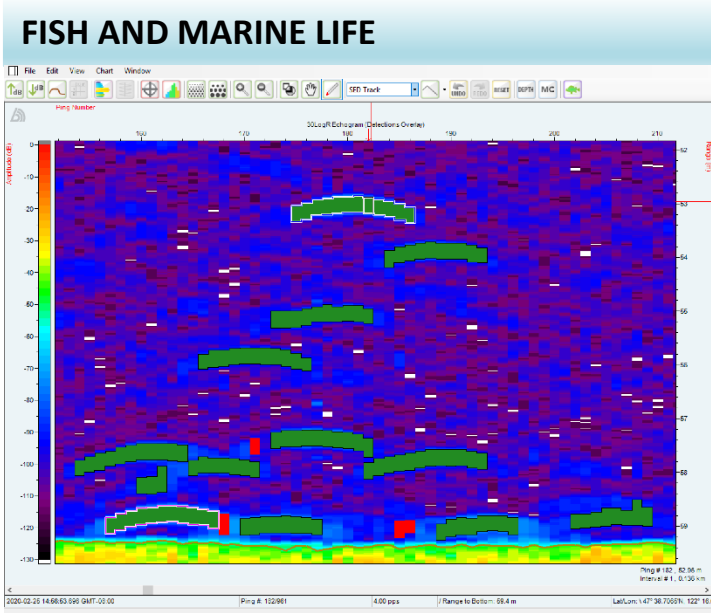
- Accepted fish tracks highlighted in green; single echoes appear in red

- **Easy-to-Use fish track editing tools! Create, delete, split or append fish (SED) tracks with just a few clicks!**

- Reports size, location, speed and direction of travel for each track

SOFTWARE FEATURES

- Visualize, edit, analyze and quantify fish and marine life, aquatic plants, bathymetry, and bottom type all in one post-processing software

- Simultaneously view actual survey transects in Map View; click on a transect to view the Echogram

- Use Visual Aquatic software to process data from DT-X and MX Series BioSonics Echosounders

- Generate scientifically defensible population estimates

- Create stunning full-color habitat maps

- **Visual Habitat is now part of Visual Aquatic software!**
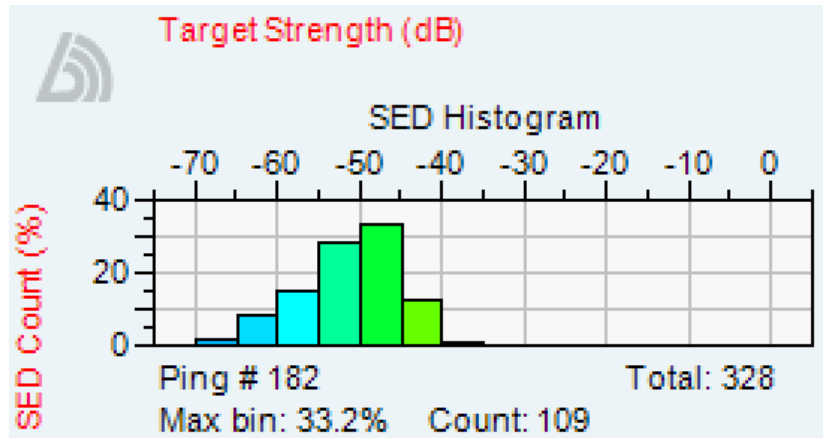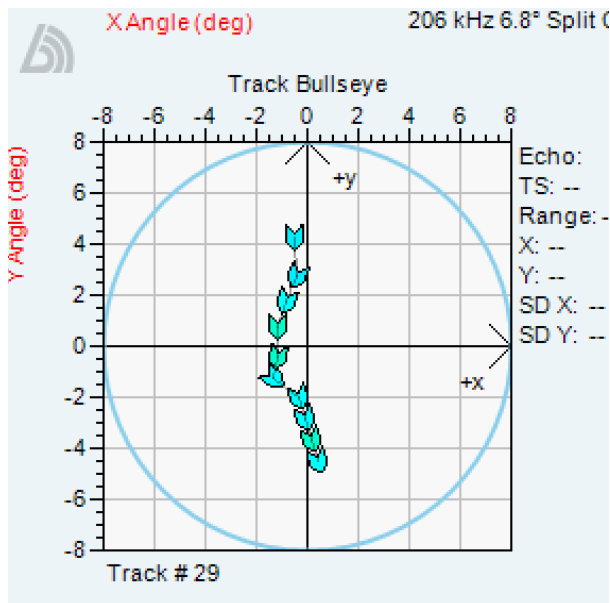
- Histogram displays size and range distribution for all fish tracks.

- Track Bullseye displays the precise 3D location of each consecutive echo forming a track.

BioSonics®

Visual Aquatic

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Visual Aquatic software!**

SUBMERGED AQUATIC VEGETATION (SAV)

A high-frequency transducer detects the tips of submerged vegetation growing on the seabed, while the focused acoustic beam penetrates the vegetative canopy to detect the actual bottom below. Multiple algorithms determine the bottom and plant canopy levels and calculate the percent coverage in each sample report. Users can generate fully interpolated maps, or export to GIS.

PLANT HEIGHT/COVERAGE

SUBSTRATE CLASSIFICATION (BOTTOM TYPING)

Echo signals reflected from different substrates have different characteristics based on the relative hardness and smoothness of the seafloor. The properties of each echo signal are analyzed and compared using a Principal Components Analysis (PCA) to form clusters of similar echoes. Visual Aquatic bottom typing is based on decades of research and is proven effective and reliable.

BOTTOM TYPE

BATHYMETRY (DEPTH)

Depth measurements accurate to within +/- 2cm are used to generate bottom contour maps. Easy-to-use map making tools offer infinite variation in color palettes, gridding tools including Kriging, and export options to virtually any file format.
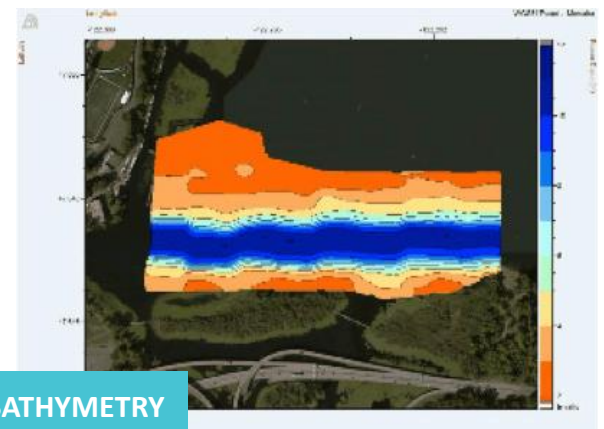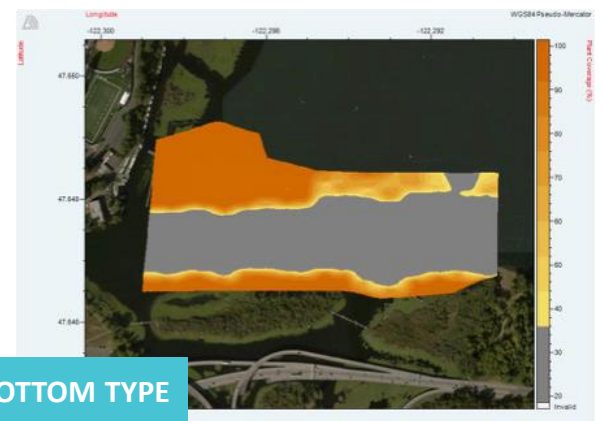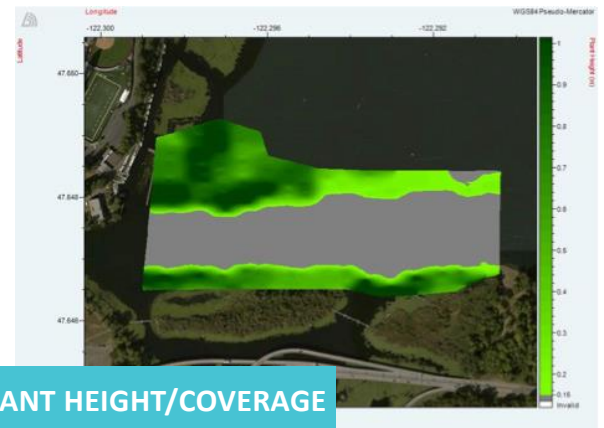
BATHYMETRY

**Choose from three gridding methods to interpolate and generate full-color contour maps.
Display data layers including plant height/percent cover, bathymetry, and substrate type.
Create stunning maps in just moments to visualize your data and highlight your results.**

Easy to learn and fun to use. Download your free demo version today!