



**KLEIN**  
A MIND Technology Business

## 2023 SIDE SCAN SONAR TRAINING

June 13-15, 2023 - RYE BEACH, NH

Klein, a MIND Technology business, the world leading manufacturer of high-quality side scan sonars, will be hosting a three (3) day side scan sonar training at the Seacoast Science Center in Rye Beach, NH. Practical sessions will be held on UNH Gulf Challenger, based in Newcastle, NH.

Participants will develop a thorough understanding of sonar image analysis as well as obtain hands-on experience with the latest in Side Scan Sonar Technology—the 4K-SVY and 4K-UHR Professional Survey side scan with True-Bottom™ tracking featuring Klein BLUE Technology. If time permits, we will also have experience with the Klein MAX-VIEW 600 with integrated gap-filling technology.

**Dates:** June 13-15, 2023 8:00 am - 4:00 pm

### Who should attend:

Hydrographers, First Responders, Police and Fire Fighters, Marine Construction Surveyors, UXO, SAR & Salvage Operators, Geologists and Habitat Mapping Specialists and Archeologists.

### Training Topics:

#### Principles of Underwater Acoustics

Basic underwater acoustics, beam patterns, range/resolution and reflectivity of materials

#### Sonar Imagery Analysis

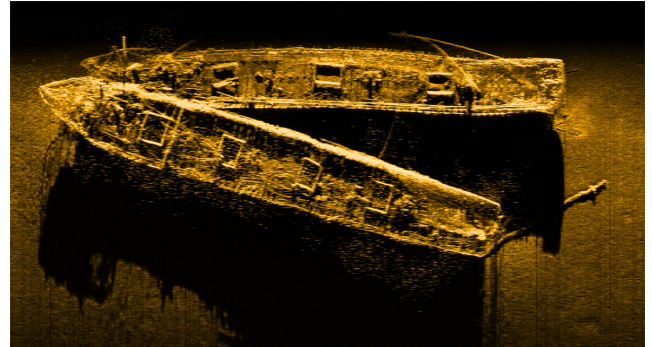
Detailed target and shadow analysis, with a review of noise, interference, and anomalies

#### Sonar Imagery Examples

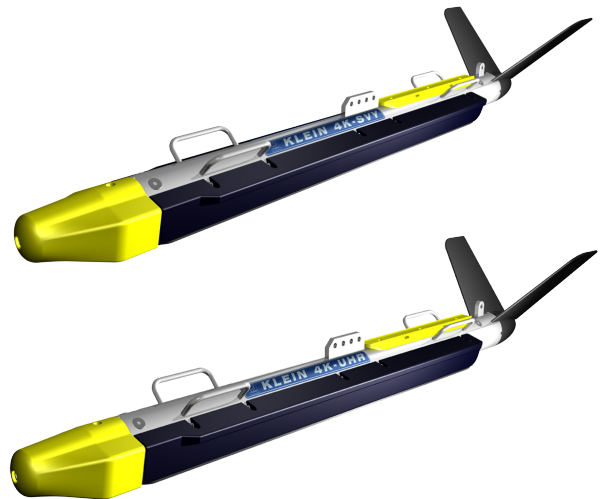
Shipwrecks, Aircraft, Hazardous Waste Drums, Marine Structures, and UXO

#### Special Topics

Layback and Positioning, Search Patterns, Shallow Water Towfish deployments, Drowning Victim Search OPS, Small Target Search OPS, Crime Scene/Accident Mapping



*The Difference Is In The Image*



### Guest Instructor: Vince Capone

Vincent Capone, M.Sc. is a side scan sonar specialist and a regular instructor at the US Navy Mine Warfare Center. He has trained US EPA, US Army Corps of Engineers, numerous law enforcement agencies, first responders and numerous military organizations.



Vince has worked with the US Navy Supervisor of Salvage on aircraft search and recovery OPS including the space shuttle Columbia. He planned the search for and was the operations manager for the successful recovery of Apollo 11 rocket motors from the deep ocean. Vince is a noted authority on underwater exploration as well as an ROV pilot and diver. He owns Black Laser Learning which focuses on training in marine technology and software.

### Training Costs:

- \$800 USD per participant
- \$700 USD for Law Enforcement, Military and University students
- Price includes training materials, training certificate and lunch each day.

For reservations contact [KleinSales@MIND-Technology.com](mailto:KleinSales@MIND-Technology.com)

Training space is limited ~ Make sure you register early!

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