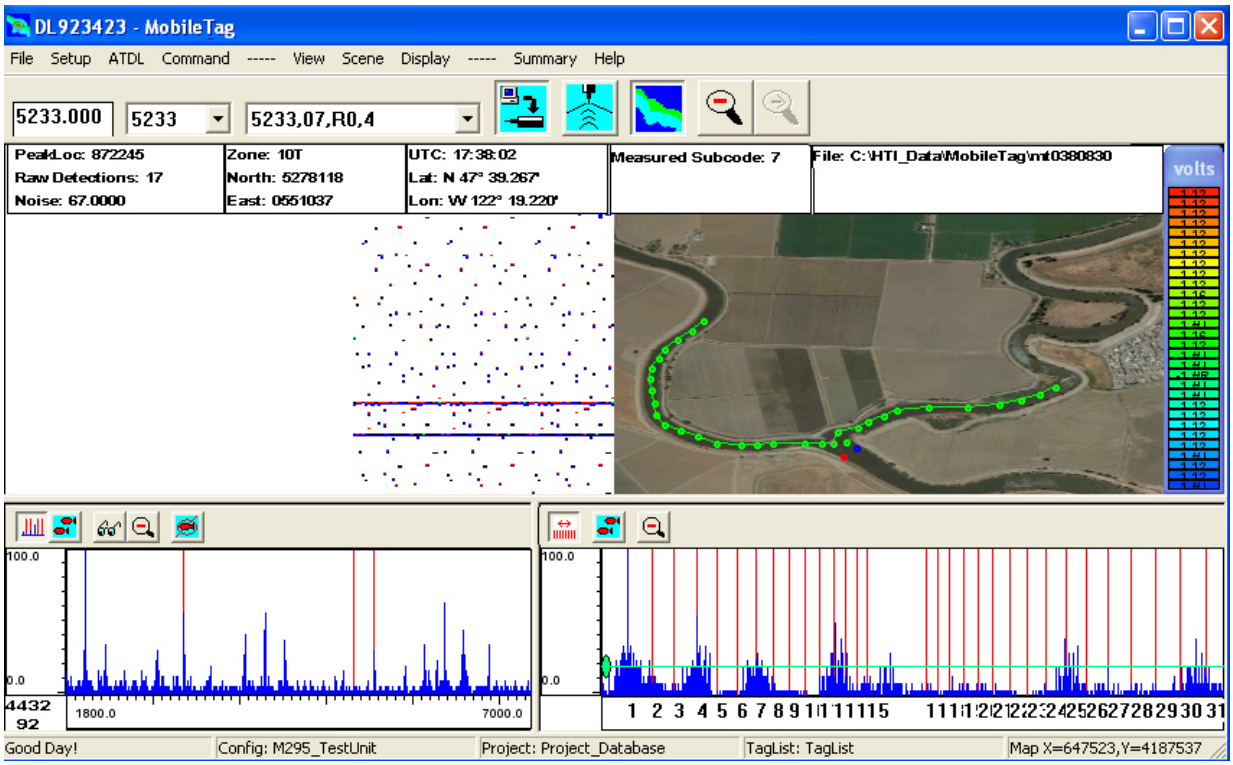
MODEL 305 MOBILE TAG SYSTEM

HTI-VEMCO USA, INC.



Designed specifically for mobile acoustic tag surveys, the *Model 305 Mobile Tag System* provides a simplified method for detection and identification of tagged fish. Using an omni-directional or directional hydrophone, and the *MobileTag* software, the system simultaneously detects and identifies tagged fish in real-time while recording the boat's GPS positions in mobile surveys. Acoustic tag signals and GPS positions can be displayed on a Geo-Referenced map image. In the image above, the green track is the boat's GPS positions and the red and blue dots indicate the location of detected and identified tagged fish.

System is contained in a customized Pelican case to allow easy movement and operation between multiple vessel platforms. Internal rechargeable battery provides up to 18 hours of operation on a single charge.

A Brief Overview:

- Provides presence/absence while simultaneously identifing tagged fish.
- Immune to data collisions & false-positives.
- Manage data logger settings, view data, & check battery status at anytime.
- Ideal for complementing fixed-station telemetry & evaluating mortality between fixed arrays.

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MODEL 305 MOBILE TAG SYSTEM COMPONENTS

MODEL 305 MOBILE TAG SYSTEM DATA LOGGER

Dimensions	(L x W x H) 30 x 13 x 7 cm (11.87 x 5.12 x 2.75 inches). Pelican case interior dimensions 47.3 x 36 x 19.6 cm (18.63 x 14.17 x 7.72 inches)
Weight	1.13 kg (2.5 lb).
Power Supply	Nickel-metal hydride battery supply.
Power Consumption	1.3 watts.
Operating Temperature	0-50°C (32-120°F).
Maximum Cable Length	3,000 ft (914.4 m).
Frequency	307 kHz.
Tag Signal Encoding	Proprietary encoded signal increases the accuracy of the measurement of the signal arrival times at the hydrophones, improving the accuracy of tag position measurements. The HTI coded signal provides an 11 dB improvement in performance, relative to a tag of equivalent source level using a CW pulse.
Software	*MobileTag* software designed specifically for Model 305 Mobile Tag System. Simultaneously detects and identifies tagged fish in Real-time along with recording the boat's GPS positions. Acoustic tag signals and GPS positions can be displayed on a Geo-Referenced map image.
Computer Requirements	Contact HTI for computer specs.
Specifications	All specifications subject to change without notice.

MODEL 590 HYDROPHONE - **See separate spec sheet.**

MODEL 690 HYDROPHONE CABLES

Hydrophone Cables:

Model 690 Hydrophone Cables are available in 8-610 m (25-2,000 ft) lengths standard. Can be combined for additional length.

MODEL 795 ACOUSTIC TAGS – **See separate spec sheet.**