**Environment & Technology** 

## For Immediate Release

## The Next Evolution of Acoustic Telemetry Goes Mobile

Seattle, July 24, 2012: Driven by the research needs of USGS scientists and others, the latest product for acoustic telemetry for fisheries research has arrived. Over the past decade, fisheries scientists around the world have used HTI acoustic telemetry to remotely track fish behavior with finescale 2D and 3D positions. These studies provided a wealth of information about fish passage, survival and behavior. Most often the surveys used fixed receivers for monitoring site-specific areas (e.g., water intakes, diversions, and hydropower dams). In recent years with increased need to evaluate fish behavior beyond fixed stations, an easy means for mobile surveys became essential.



Fisheries biologist conducting mobile acoustic survey in California. Image courtesy: FISHBIO.

HTI's new Model 395 Micro Data Logger finished testing this spring at various locations on the west coast. HTI (Hydroacoustic Technology, Inc.) announced its official release of the Model 395 Logger earlier this week. "There are a lot of questions about what happens between fixed acoustic telemetry stations and it's important to know whether or not these fish are surviving...and then what's happening to them," explains Sam Johnston, a Sr. Fisheries Biologist at HTI. "Being able to detect and identify each fish throughout the waterway will help us understand their journey better."

Data loggers are not new in acoustic telemetry. However, there are three new game changers exclusive to the Model 395 Micro Data Logger that make it unique. Beyond its ability to detect and identify hundreds of fish at the same time in real-time, it's now possible to achieve fine-scale 2D/3D tracking of each tagged fish with multiple units. "We're happy with the results and have put the new logger to work in ways we didn't consider before - like testing tags in holding areas between sites and tracking the survey boat's trajectory through the study region," said fisheries researcher Cherylyn Tunnicliffe.

To learn more about this new technology, HTI offers system details and potential fisheries research applications at http://www.htisonar.com/datalogger Model395.html.

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