

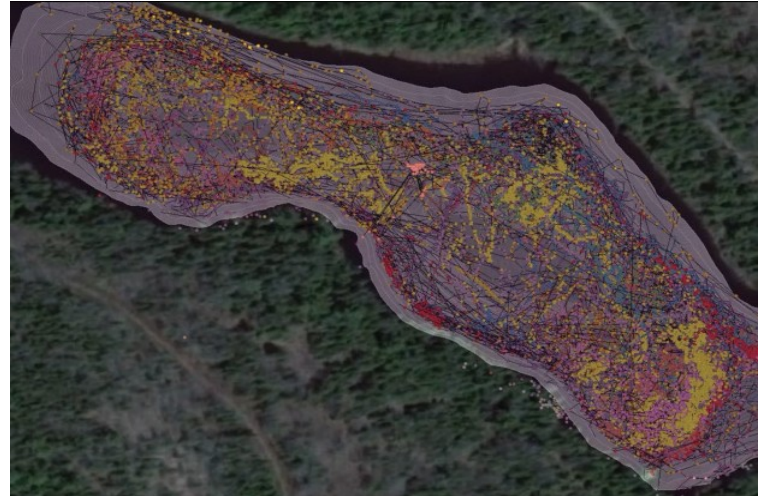
Fine-Scale Positioning

Acoustic telemetry enables precision tracking of many animals simultaneously, delivering fresh insights into animal behaviour.

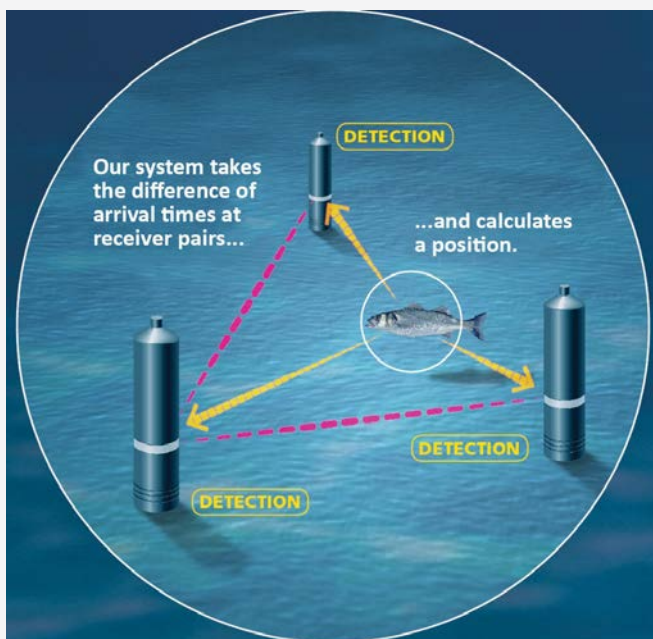
As pioneers in the field of acoustic telemetry, we have developed a fine-scale positioning system that can precisely track fish movements from within a few meters to just centimeters and as often as every few seconds.

The system uses off-the-shelf Vemco receivers and transmitters that have been deployed in many presence/absence studies worldwide.

As a fully scalable platform, there is no limit to the amount of area your study can cover and it can typically run unattended for up to a year.



How It Works



Use Cases

- » Track fish movements to within just a few metres and even centimetres and as often as every few seconds
- » Identify time and place of critical behaviours such as spawning
- » Understand species use of habitats such as juvenile nurseries or marine protected areas
- » Identify specific paths fish are taking around physical barriers during migration
- » Visualize animal habitat utilization with 3D kernel density
- » Identify environmental conditions that make animals susceptible to mortality
- » Use depth sensing tags to obtain a 3D image of where your animals are in the water column

Design ⇨ Deploy ⇨ Collect ⇨ Analyze ⇨ Report

We offer three types of study solutions to guide you from design to final report

Expert Positioning Services



We work with you to design a system in accordance with a set of design guidelines:

- » You deploy your system, collect your receiver data and send the data files to us
- » We conduct data analysis on a fee-for-service basis
- » We provide a final report and calculated positions

DIY User Software

Our DIY software is designed for experienced users of Vemco and HTI acoustic telemetry systems:

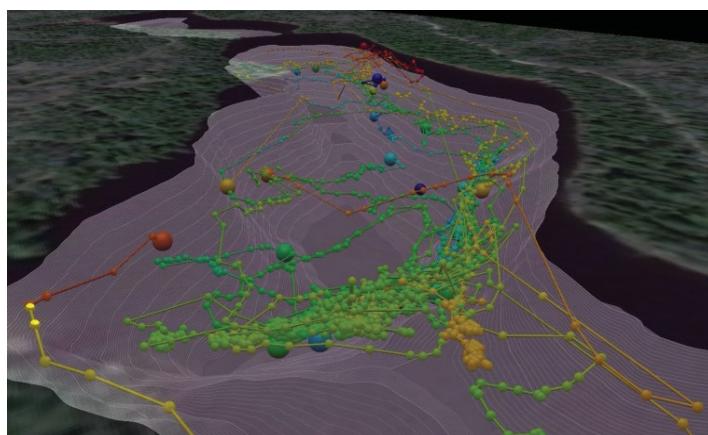
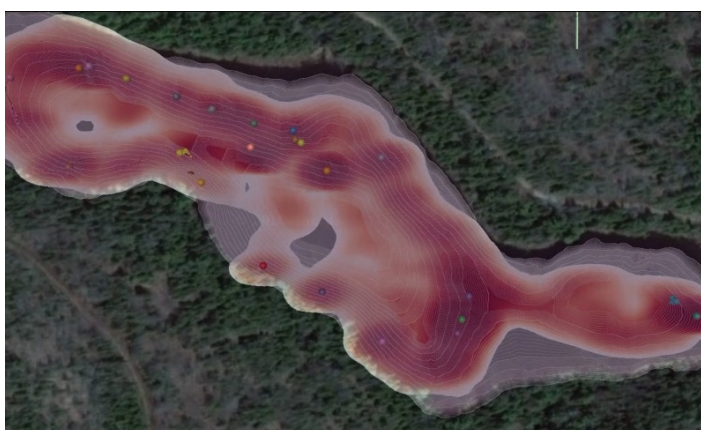
- » Fathom Position software enables analysis of your Vemco tag datasets
- » AcousticTags and MarkTags software enables analysis of your HTI tag datasets
- » Perform precise fine-scale positioning analysis
- » Quickly and easily translate raw data into tangible results
- » Generate your own animal tracks at any time



Full Service Solutions



- » We provide study solutions from design to final report
- » We have over 40 years experience in applying underwater acoustic techniques
- » Our consultants are highly skilled in designing fine-scale positioning studies and analyzing large datasets



Ready to Get Started? [Contact us](#) today.

About Innovasea

Innovasea designs the world's most technologically advanced aquatic solutions for fish tracking and builds them to withstand the toughest conditions. It's all driven by a commitment to make our ocean and freshwater ecosystems sustainable for future generations. Today. Tomorrow. For life.



www.innovasea.com/fish-tracking

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