



## Overview

ASL Environmental Sciences Inc. supports a wide range of users with complete turnkey solutions for aquatic studies using bioacoustics. ASL offers advanced data processing of bioacoustic datasets including noise removal, boundary identification, echometric and time-series analysis, distinguishing taxa using multifrequency and broadband approaches, and estimating biomass. We also offer technical writing and data visualization, and are active in academic collaborations.

## Develop Sensor Package

ASL has developed a family of advanced acoustic instruments and products for aquatic environments. We provide either [lease](#) or [purchase](#) options to suit your research goals. We offer [custom mooring designs](#) whether it be a single or complex suite of instruments configured as bottom frames or taut-line moorings. ASL has Canada's largest physical oceanographic equipment lease pool.

## Data Collection

ASL designs and implements field data collection programs with client and site needs in mind and has extensive field deployment and recovery experience that draws upon 45+ years in aquatic settings all around the world.

## Data Processing

ASL has experience with a range of computational tools including Echoview software and has developed custom-designed pipelines built in R, MATLAB and Python. We support the analyses of ASL's [AZFP](#) and [AZFP-ice](#) as well as the full range of Simrad's scientific echosounders.

## Applications

Fisheries and Marine Resource Management | Aquaculture | Long-Term Ecological Research | Mobile and Stationary Surveys | Bubbles and Sediments | Ice Profiling & Under-Ice Monitoring



ASL Environmental Sciences  
#1-6703 Rajpur Place  
Victoria, British Columbia V8M 1Z5 Canada

Phone: +1 250-656-0177  
Toll Free in North America:  
1-877-656-0177  
website: [www.aslenv.com](http://www.aslenv.com)