

# HYDROACOUSTIC APPLICATION QUESTIONNAIRE



For assistance in recommending a hydroacoustic system, please describe the application you are considering. Indicate the attributes and objectives below that best apply to your project:

## Is Your Application:

### Freshwater

- Lake (Approximate Surface Area): \_\_\_\_\_
- River (Depth and Width): \_\_\_\_\_
- Hydropower Dam or Water Diversion: \_\_\_\_\_
- Other: \_\_\_\_\_

### Marine

- High Seas/Open Ocean: \_\_\_\_\_
- Coastal Region: \_\_\_\_\_
- Estuary: \_\_\_\_\_
- Other: \_\_\_\_\_

What is Your Maximum Depth (or Range) of Interest? \_\_\_\_\_

## Do You Prefer a Specific Hydroacoustic Survey Method?

- Mobile Survey Hydroacoustics (e.g., lake or marine surveys conducted from boat)
- Fixed Location Hydroacoustics (e.g., system is fixed on shore of a river, or to a dam)
- Acoustic Tags (tracking individual fish in three dimensions)

## What are Your Targets of Interest?

- Fish Species: \_\_\_\_\_
- Range of Fish Lengths: \_\_\_\_\_
- Plankton: \_\_\_\_\_
- Other Targets: \_\_\_\_\_

## Objectives:

- Abundance (e.g., quantity of fish in a lake)
- Biomass (e.g., kg of fish in a lake)
- Fish Length (via target strength)
- Spatial Distributions (e.g., depth and horizontal distributions)
- Temporal Trends (e.g., diel distributions)
- Velocity
- Trajectory (i.e., three dimensional path of movement)
- Other Objectives: \_\_\_\_\_

**Additional Information:**

Below, please give us any additional information you feel is important for us to know about your application.

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I wish to explore the potential for using hydroacoustics for fisheries assessment.

- Please recommend a hydroacoustic system, based on the requirements indicated above.
- Please send information about HTI' s hydroacoustic consulting services.
- Please send information about HTI' s 2-day short course "*Using Hydroacoustics for Fisheries Assessment.*"

Name:

Address:

Telephone:

Fax:

E-mail:

Please e-mail or fax this form to:

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