

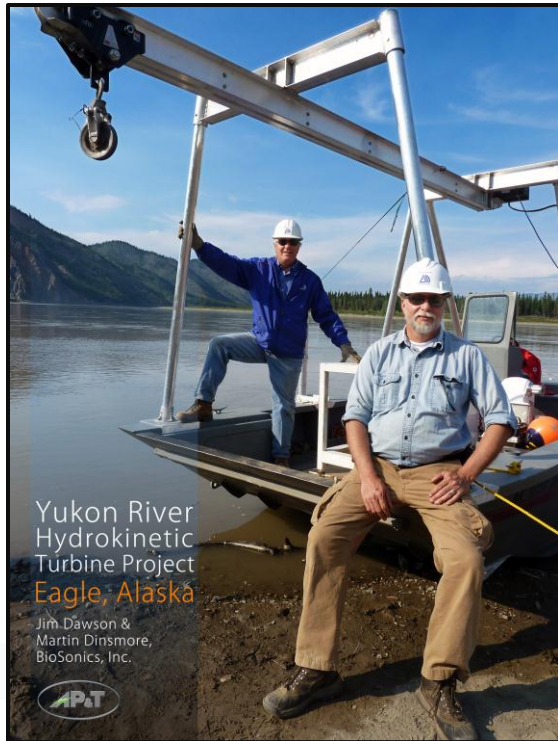


Offering the Widest Range of Hydroacoustic Solutions

Featured Project
Kinetic Hydropower - Eagle, AK

Yukon River In-stream Hydro Monitoring

Objective: Determine abundance and location of migrating salmon near raft-mounted turbine



Yukon River In-stream Hydro Monitoring

Split beam transducer/rotator assembly deployed in a protective shroud

Positioned on river bed and aimed towards mid-channel



Yukon River In-stream Hydro Monitoring

Split beam transducer/rotator assembly was lowered onto the river bed from work boat

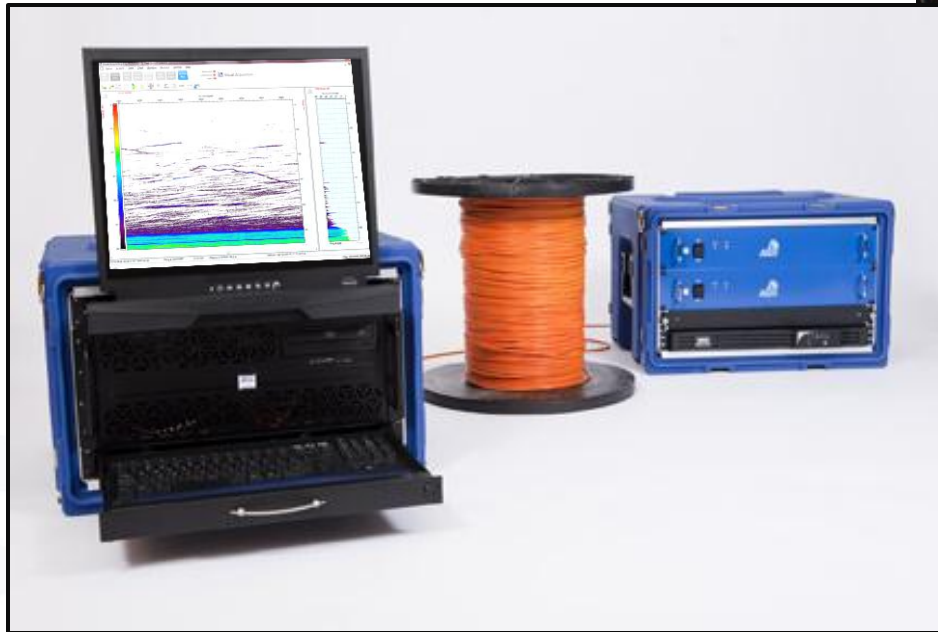
Transducer remained in river for over 3 months with cable to surface electronics



Yukon River In-stream Hydro Monitoring

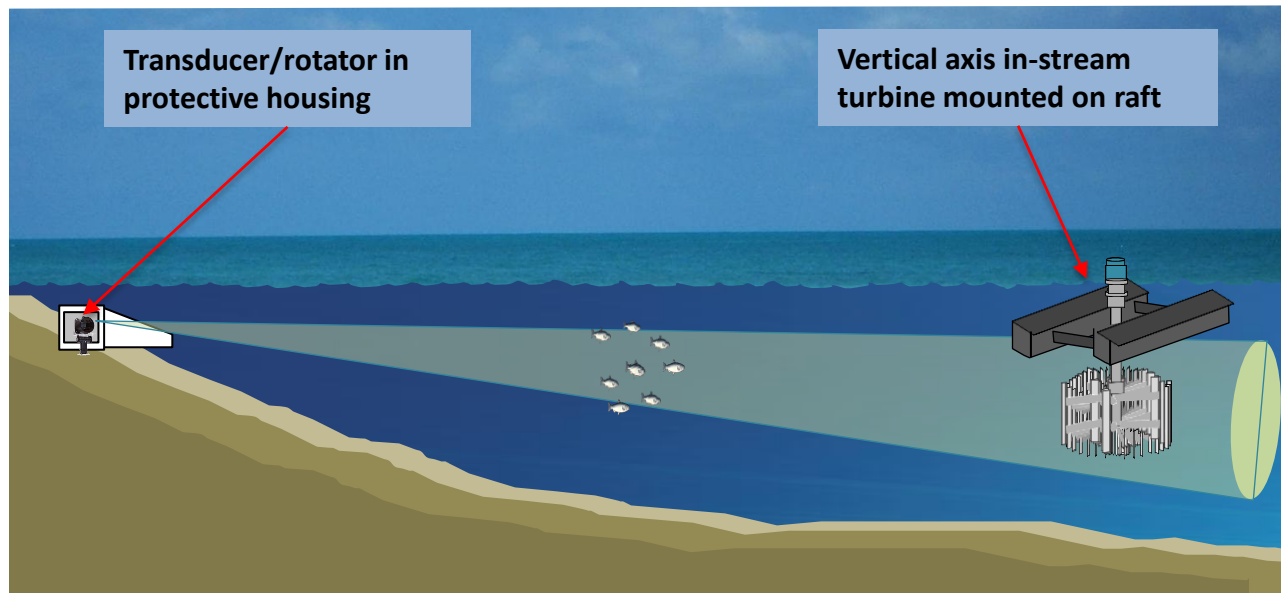
Surface electronics included:

- BioSonics DT-X echosounder & rack-mounted control computer system
- Satellite communication
- Web-cam



Yukon River In-stream Hydro Monitoring

Conceptual drawing illustrating the raft-mounted turbine and monitoring zone



BioSonics is...

A consulting, engineering and manufacturing firm with over 30 years experience.

Specialized in the application of hydroacoustic technology for monitoring and assessment of aquatic biological resources.

A turnkey solutions provider of sonar systems and services including study design, installation, data processing, and reporting.

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