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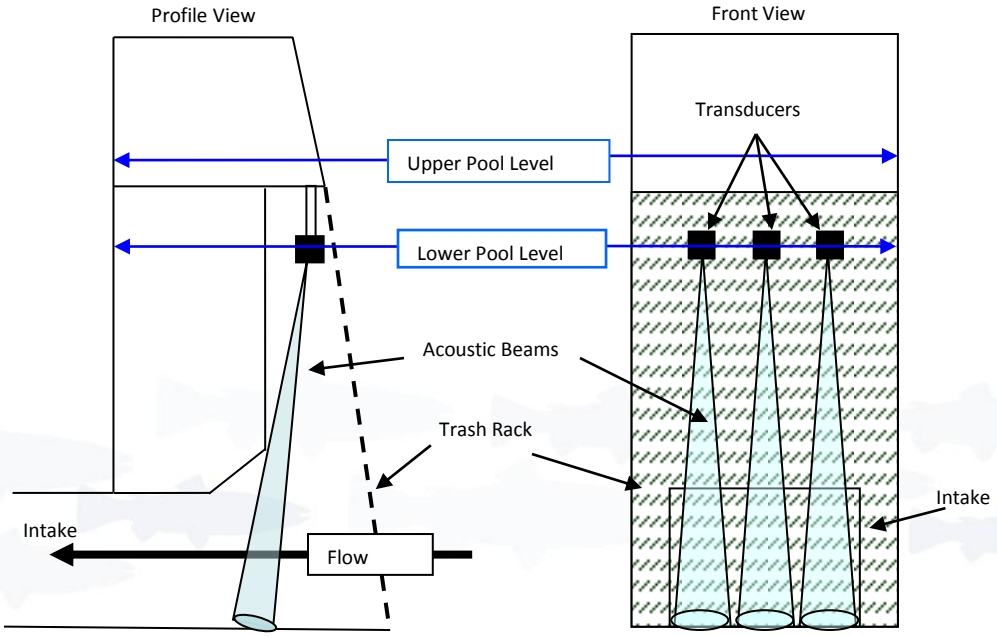
Offering the Widest Range of Hydroacoustic Solutions

Featured Project
Entrainment Risk Study - Central CA

Hydro Relicensing –American River, CA

Objective: Estimate risk of fish entrainment using split-beam sonar at multiple, remote hydropower plant water intakes.

System performance was monitored remotely from Seattle offices



Hydro Relicensing –American River, CA

Hydroacoustic Equipment Description:

DT-X digital scientific echosounder

3 digital split beam transducers – 420 kHz

Custom designed transducer mounts for monitoring under fluctuating water levels.

Rack mount data collection computer with dual RAID storage

LCD flat panel monitor

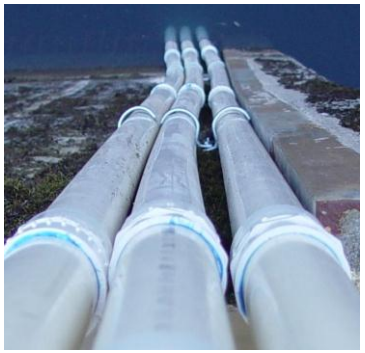
Modem for communication

Hydro Relicensing –American River, CA

Diver for mounting transducers inside tunnel entrance.

Custom transducer mounts for variable water levels.

Cables routed through heavy duty conduit.

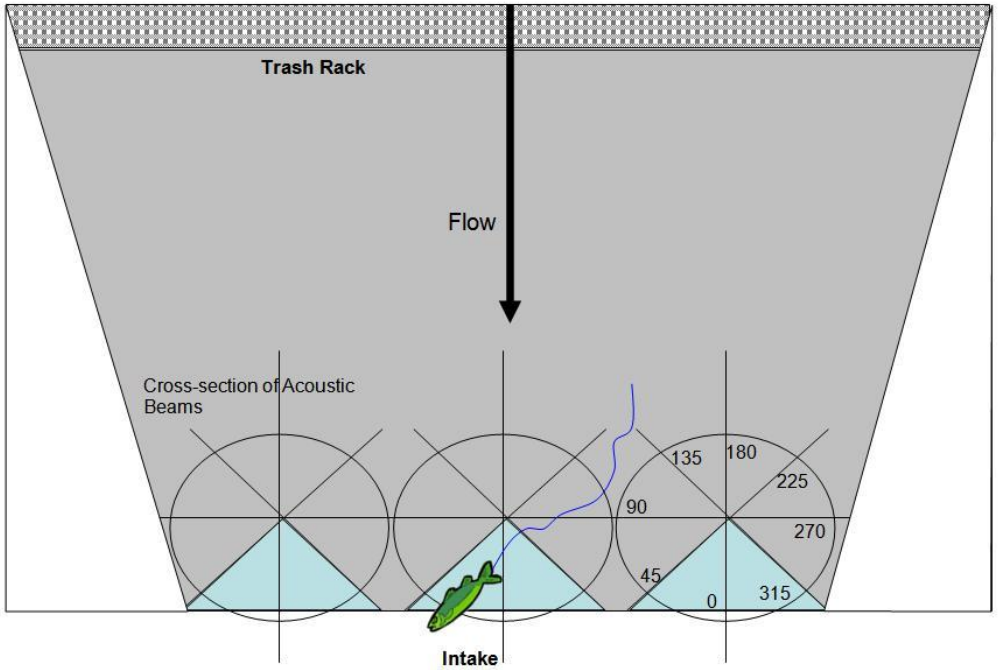


Hydro Relicensing –American River, CA

Direction of fish travel and depth location relative to the intakes were assessed.

Direction of fish travel within the acoustic beam was translated into a compass angle.

Fish traveling at angles towards the intake and at depth of intake were assumed to be entrained



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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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