Featured Project: Fish Monitoring at Roosevelt Island Tidal Energy (RITE) East River, NY
Roosevelt Island Tidal Energy (RITE)

Hydroacoustic fish monitoring in New York City’s East River

Provided critical baseline data and helped facilitate regulatory approval for turbine installation

High profile Manhattan location
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Long-term, fixed-position monitoring
BioSonics systems continuously operated in saltwater, high velocity environment for over 24 months
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BioSonics sensors installed using hardened underwater mounts

Eight racks were installed on the river banks, each housing three split beam transducers
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Network of 24 transducers configured to create “acoustic curtains” adjacent to turbine and provide full water column monitoring.
Roosevelt Island Tidal Energy (RITE)

Data processing was automated, with reports and alerts published in real-time via email.

Biological observations were reported for each grid section to quantify fish passage around turbines.
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.

Relied upon by resource managers, researchers, regulatory agencies, and power producers worldwide.

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