



Offering the Widest Range of Hydroacoustic Solutions

***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



Roosevelt Island Tidal Energy (RITE)

Long-term, fixed-position monitoring

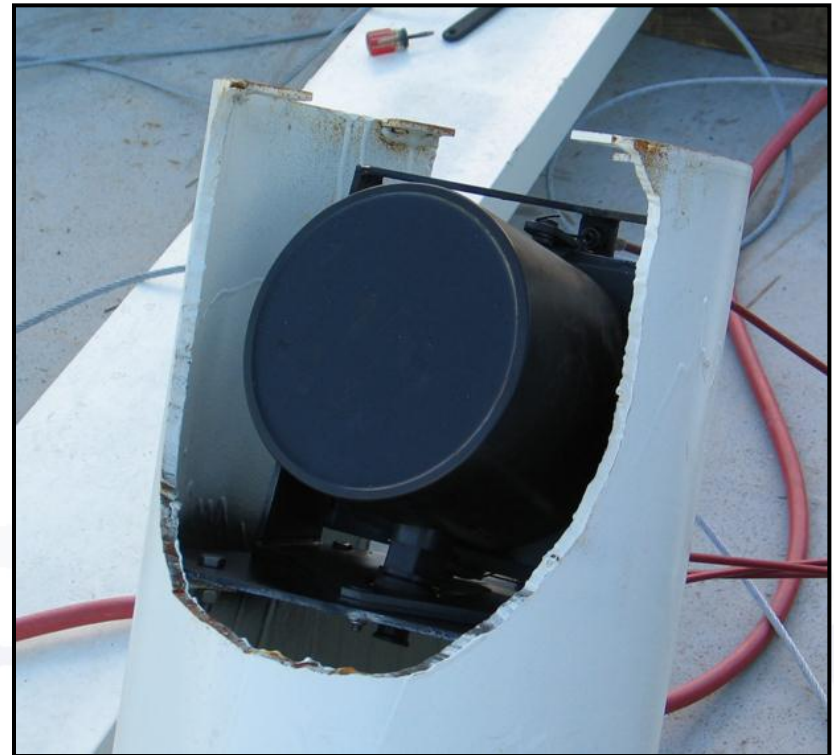
BioSonics systems continuously operated
in saltwater, high velocity environment
for over 24 months



Roosevelt Island Tidal Energy (RITE)

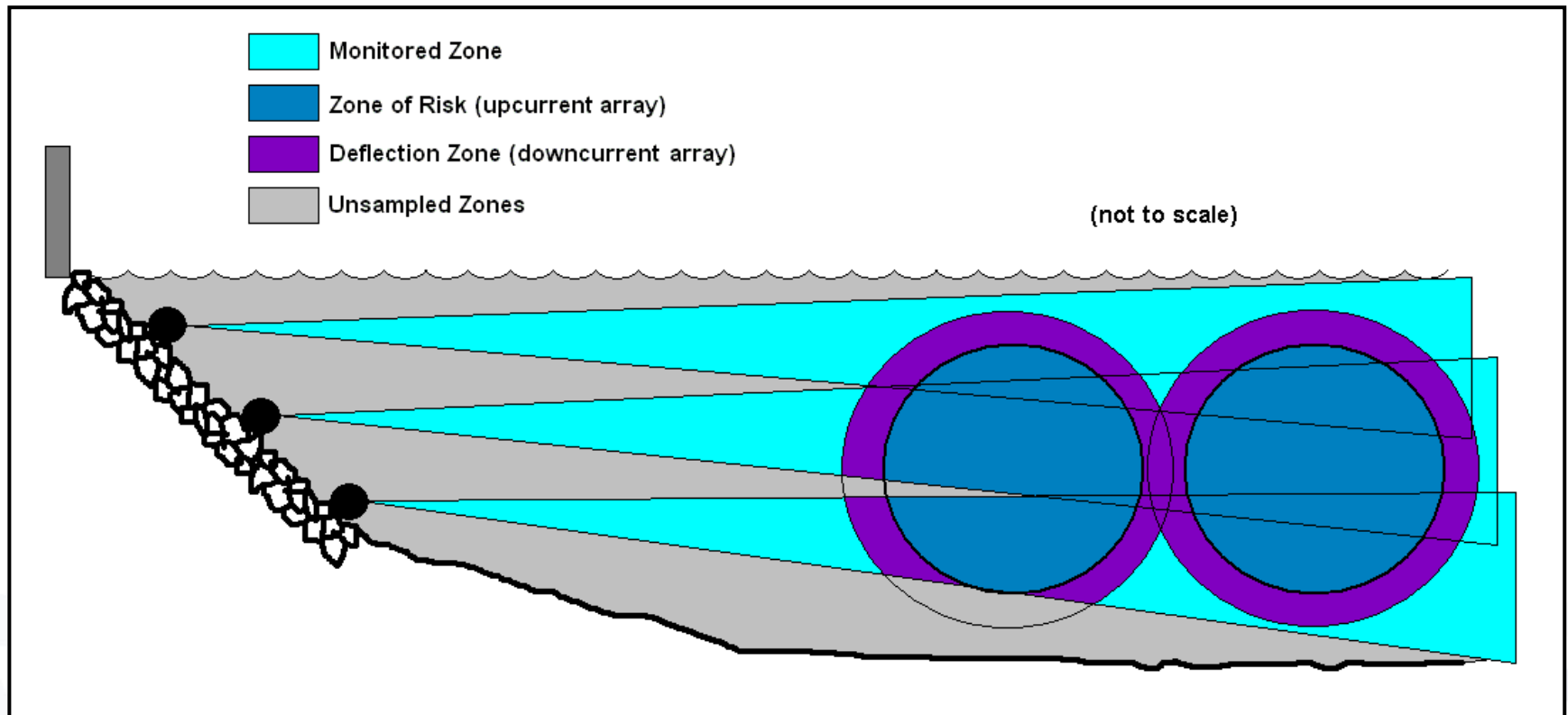
BioSonics sensors installed using hardened underwater mounts

Eight racks were installed on the river banks, each housing three split beam transducers



Roosevelt Island Tidal Energy (RITE)

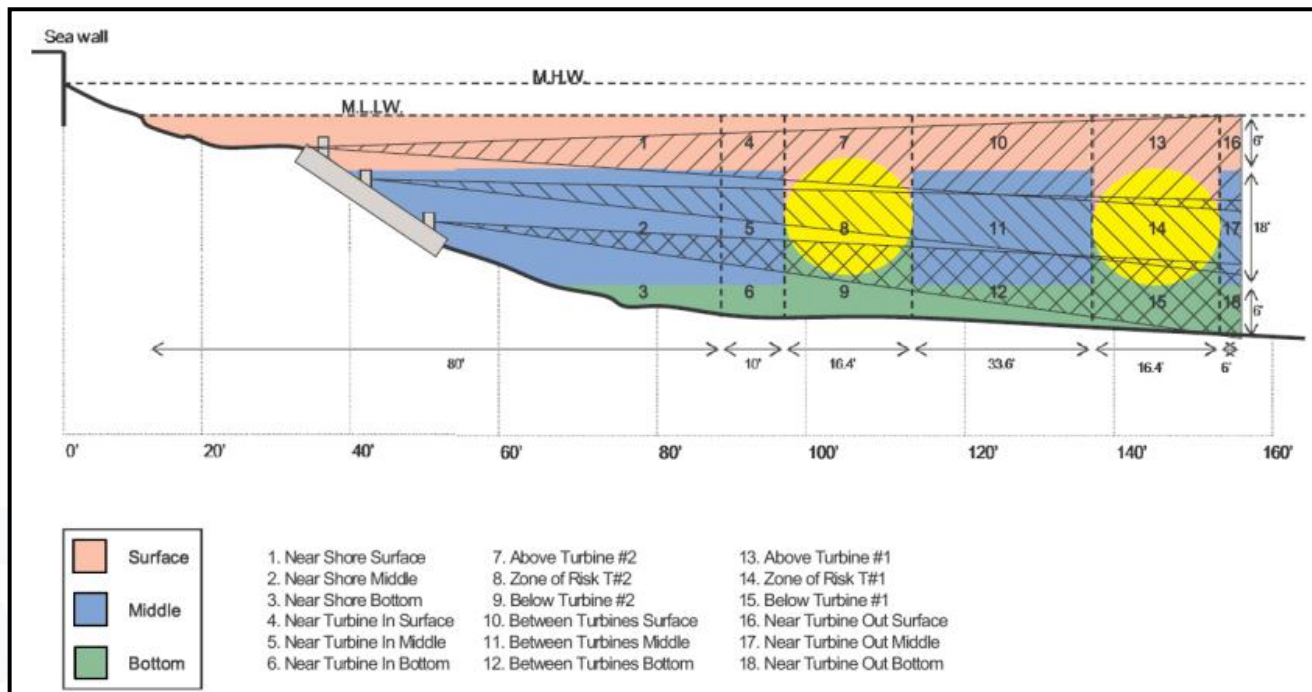
Network of 24 transducers configured to create “acoustic curtains” adjacent to turbine and provide full water column monitoring



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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