



Identifying Fish Movement Patterns using Acoustic Telemetry



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Why Track Fish?

- Create effective Marine Protected Areas
- Identify spatial and temporal patterns in spawning
- Discover critical habitats
- Identify migratory routes
- Understand what areas fish need protected

Acoustic Telemetry

- Tag fish
 - Internal transmitters
- Detect on receiver
 - Daily Movements
 - Long Term Movements



Fish Tagging – Internal Transmitter

- Requires surgery
- “Tagging effect”
- Excellent retention









Daily Movements



Long-Term Movements

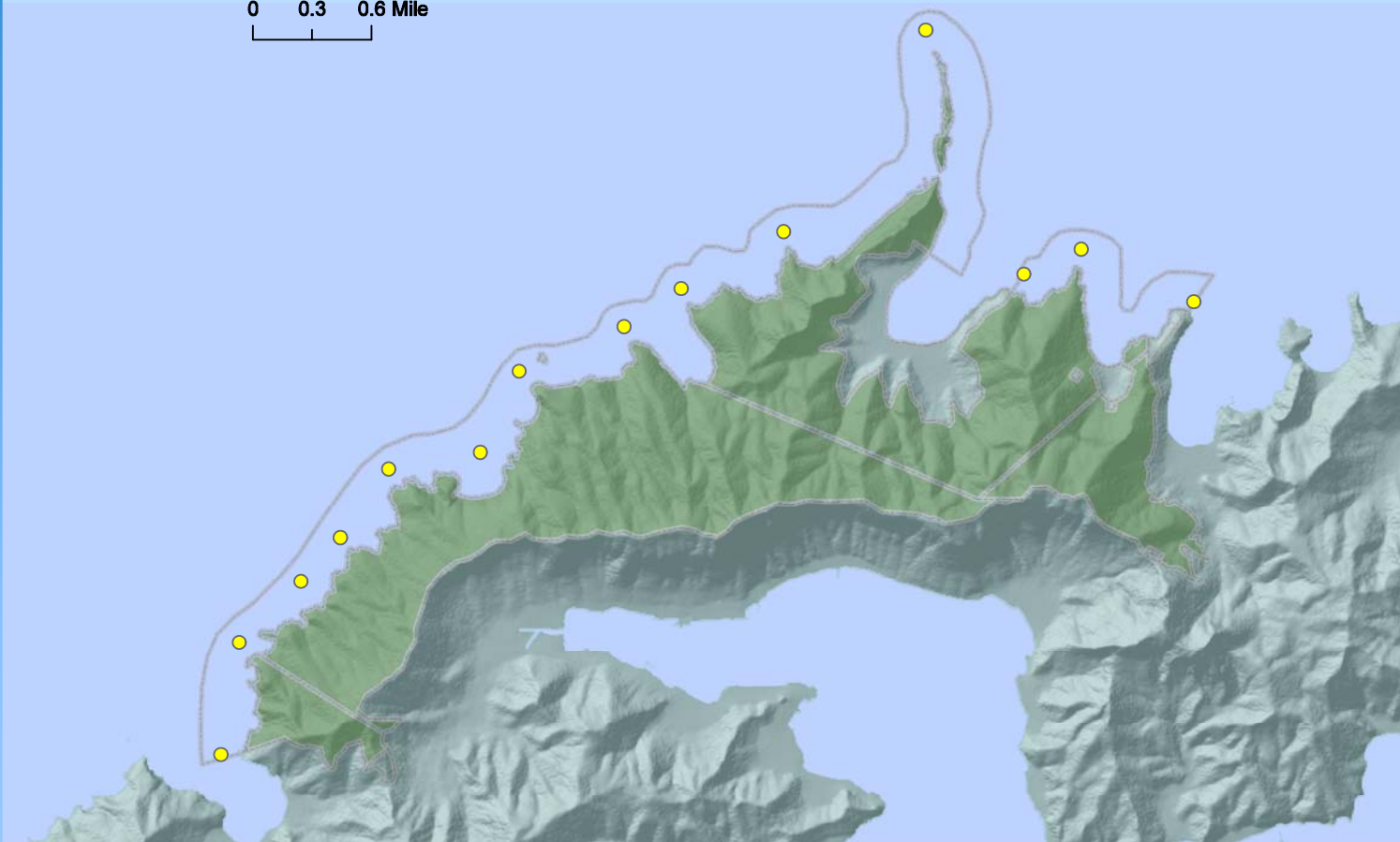
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NPSA Receiver Array

0 0.3 0.6 Mile



Species of Interest

- Humphead wrasse
- Parrotfish
- Large surgeonfish
- Groupers
- Snappers



Questions?

