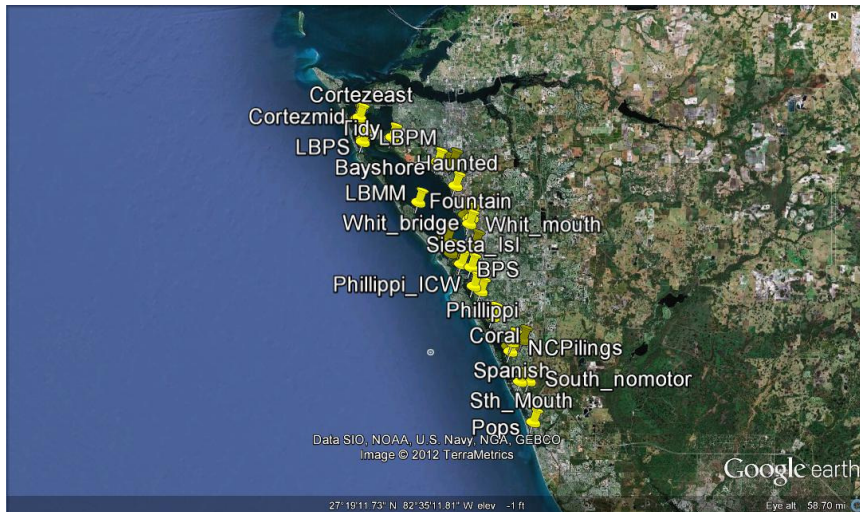


Passive acoustic telemetry

Passive acoustic telemetry receivers record the presence of tagged individuals when receiver and tag are sufficiently close. Passive acoustic telemetry offers a non-invasive method to monitor individuals and is gaining popularity with agencies and researchers, but the role of such observations in fisheries management is unclear and experimental design for hypothesis testing is in its infancy. I use mathematical models in combination with field data to test the information content of acoustic observations about population movement, habitat preferences, long-term dispersal, differential spawning behavior, and spatial population structure.

Acoustic receivers in Sarasota Bay (2002-2006)



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