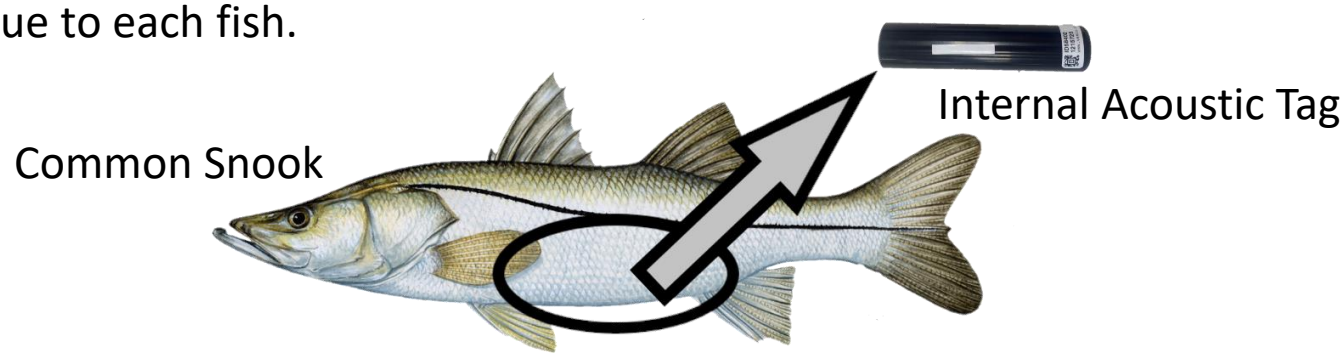
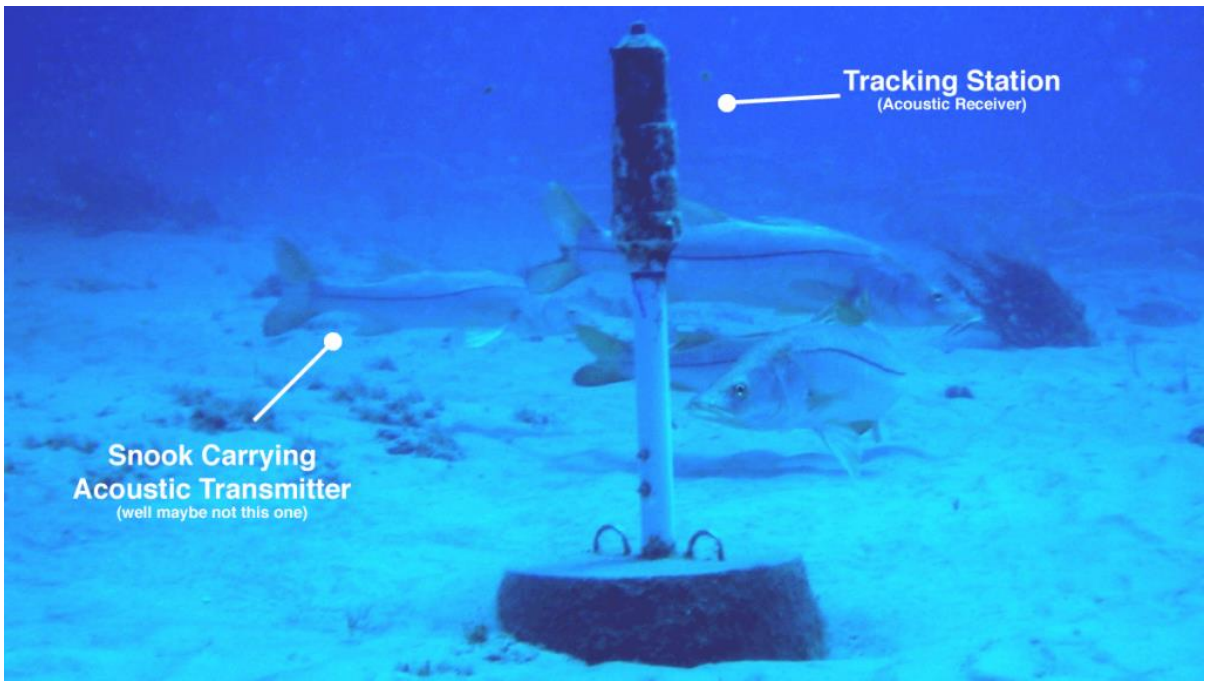
Fish Tracking Activity

Answer Sheet

Three common snook have been caught and implanted with an internal acoustic transmitter tag. This tag emits an identifying sound sequence unique to each fish.



We track the movements of each tagged fish as they swim past the receivers anchored to the seafloor in our Tampa Bay array. This is what an underwater acoustic receiver looks like:



On the next page is a list (**in order**) of receivers that each tagged snook swims past. The map of Tampa Bay shows our numbered acoustic receivers. Use a marker in the corresponding color of each snook to connect the receivers from the list with a line to see the path the snook travelled. (**Just like connect the dots**)

Use a **red** marker for tagged fish #1. This fish was detected on the following receivers:

006, 007, 009, 011, 012, 017, 018, 022

Use a **blue** marker for tagged fish #2. This fish was detected on the following receivers:

001, 002, 005, 007, 009, 016, 020

Use a **purple** marker for tagged fish #3. This fish was detected on the following receivers:

023, 022, 021, 017, 016, 015, 014

Answer the questions below regarding the movements of each tagged snook.

Where did the tagged snook begin (where was it released by our scientists after being tagged)?

Red snook: *Alafia River*

Blue snook: *Hillsborough River*

Purple snook: *Offshore, Gulf of Mexico*

Where did the snook end up?

Red snook: *Offshore, Gulf of Mexico*

Blue snook: *Offshore, Gulf of Mexico*

Purple snook: *Manatee River*

Tampa Bay Acoustic Receivers