

How does the  
GPS technology  
work to track  
sharks?

Name:

Understanding GPS with OCEARCH

#### Background

OCEARCH is non-profit organization with a global reach for research on great white sharks and other large apex predators, OCEARCH offers real-time tracking data that students can use to draw their own conclusions. The website shows the latest “pings” from tagged sharks as their dorsal fins break the surface of the water and send a signal to a satellite overhead. The system can then track where the shark is currently. Each shark is named and described so that students can become familiar with them; photos are even included. They can also see where the shark has been traveling and then can start the investigative process of determining where they think it will go next and what it might be looking for.

#### Part 1: Track a Shark

1. Visit the website: <https://www.ocearch.org/tracker/?list>
2. Choose a Shark. Explore their pings and then complete the table below.

Shark Name	
Species	
Male or Female?	
Length	
Weight	
Relative Age	
Location & Date of first tag	
Last Ping (Date & Location)	
Describe the range depicted for this shark	
What is something you are wondering about this shark?	