

(photo credit: Sarah Kienle and Stella Villegas-Amtmann)

# NORTHERN ELEPHANT SEAL



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Bathymetry**



# OBSERVATIONS

Interactive Map: Showed that within a 2 month time to frame the animal 133778 was deep at sea then moved to the coast from 11-29-18 to 1-22-19

The measurements of elevation went from -4000 to -3500 to -2000 and on to the coast.

This matched the research that stated that their breeding season is from December to February.



# JUSTIFICATION



When looking at the maps and Bathymetry the shape of the ocean floor helps to determine that it influences the movement of the Elephant Seal because their food squid, eels, sharks, skates, and Spiny Dogs live in very deep water, so that shows why they stay out to sea to hunt.

Then when they are ready to mate, you can tell the movement is closer to the coast, in more shallow waters.

# MEASUREMENT/TRENDS

After using the ruler tool, The animal traveled 1,776.49 MI.

Inland to breed in a matter of 2 months. From 11-29-18 to 1-22-19

When looking at the Flash Legacy Map, it showed the animal spent a majority of time in the deep parts of the ocean.

The Google map also showed the same pattern of coming to the California coast for a small amount of time.