

Lynne Hodge

CPAESS Associate Scientist, Marine Mammal & Turtle Division,
NOAA Southeast Fisheries Science Center

Shipping Noise in the Gulf of Mexico between 2010–2021



DATE: Wed. February 22, 2023

TIME: 11:00 AM – 12:00 PM MT (VIRTUAL)

[WATCH THE LIVE WEBCAST](#)

The Gulf of Mexico, home to 21 cetacean species including the endangered Rice's whale and sperm whale, has high ambient noise levels dominated by low-frequency anthropogenic noise from shipping traffic and seismic surveys. Marine mammals rely heavily on sound to navigate, forage, and communicate and can be negatively impacted by chronic elevated noise levels. Determining ship types and their contributions to soundscape levels provides important information for understanding and reducing impacts from chronic anthropogenic noise sources on marine mammals.

Lynne is currently analyzing passive acoustic data and using Automatic Identification System (AIS) data to examine shipping noise in the Gulf of Mexico.

