

# Sounds in the Ocean

## How to Cite a Sound or Image

Copy the citation information for the appropriate sound, photo, or spectrogram image from this document. The citation should have the following format.

### **Sound/Image/Spectrogram Citation:**

1. (Government Agency)
2. (Group/Organization)
3. (Lower Levels of Credit, if known)
4. (Collection/Publication Date)
5. (Title of Sound Category)
6. (Website URL)

### **Example:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Blue Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

# Mysticetes (Baleen Whales)

## Blue Whale *Balaenoptera musculus*

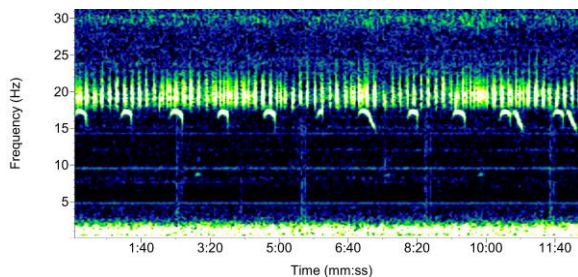
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Cornell University, Cornell Lab of Ornithology, K. Lisa Yang Center for Conservation Bioacoustics. 2023. Blue Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Blue Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Blue Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Fin Whale *Balaenoptera physalus***

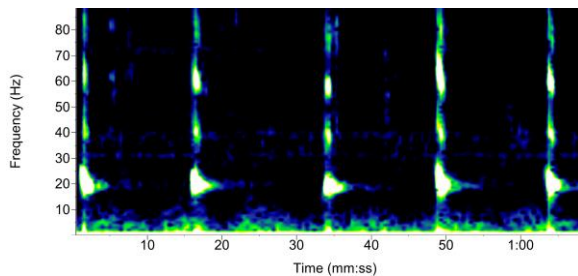
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Fin Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Fin Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Fin Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Humpback Whale *Megaptera novaeangliae***

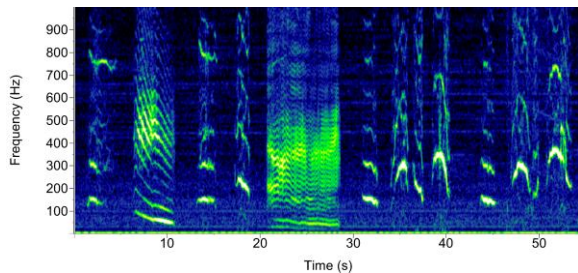
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Humpback Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Danielle Cholewiak. 2023. Humpback Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Humpback Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Minke Whale *Balaenoptera acutorostrata***

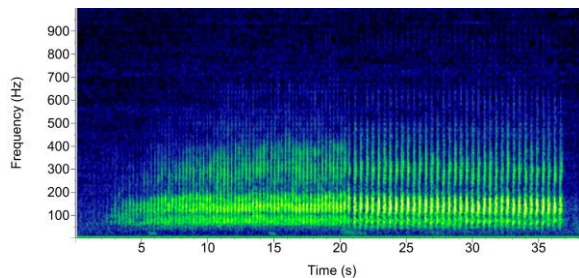
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Minke Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Leah Crowe. 2023. Minke Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Minke Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## North Atlantic Right Whale 1 *Eubalaena glacialis*

### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. North Atlantic Right Whale

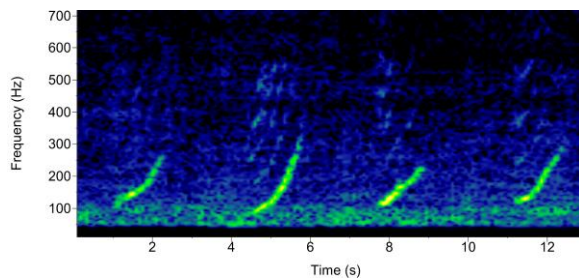
1. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. North Atlantic Right Whale

1. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. North Atlantic Right Whale

1. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## North Atlantic Right Whale 2 *Eubalaena glacialis*

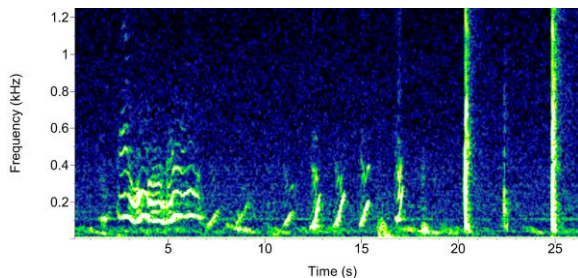
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. North Atlantic Right Whale 2. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center]. 2023. North Atlantic Right Whale 2. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. North Atlantic Right Whale 2. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Sei Whale *Balaenoptera borealis***

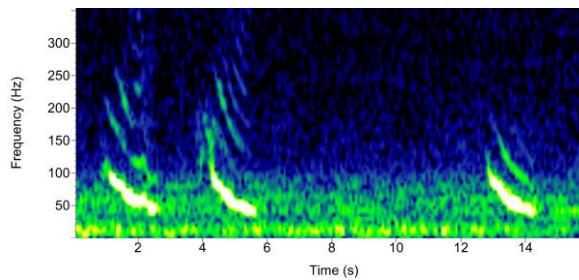
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Sei Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Sei Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Sei Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



# Odontocetes (Toothed Whales)

## Atlantic Spotted Dolphin *Stenella frontalis*

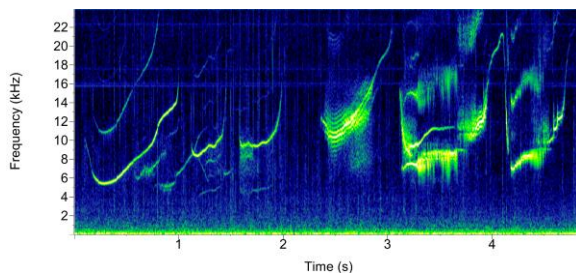
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Atlantic Spotted Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Allison Henry. 2023. Atlantic Spotted Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Atlantic Spotted Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Atlantic White-sided Dolphin *Lagenorhynchus acutus***

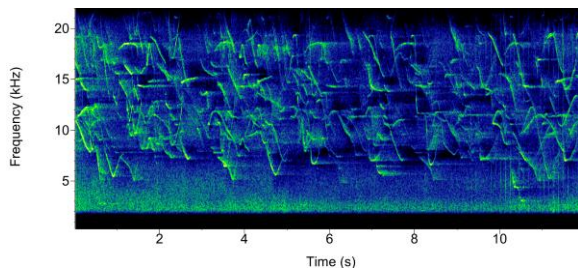
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Atlantic White-sided Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center]. 2023. Atlantic White-sided Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Atlantic White-sided Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Beluga Whale *Delphinapterus leucas***

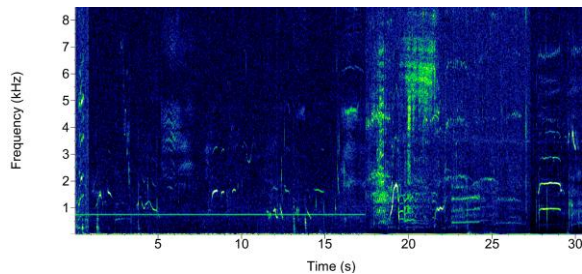
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Manuel Castellote. 2023. Beluga Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. AFSC [Alaska Fisheries Science Center], Manuel Castellote. 2023. Beluga Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Beluga Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Bottlenose Dolphin *Tursiops truncatus*

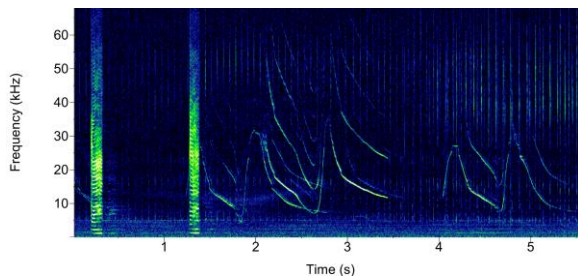
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Bottlenose Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Rich Holt. 2023. Bottlenose Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Bottlenose Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Cuvier's Beaked Whale *Ziphius cavirostris*

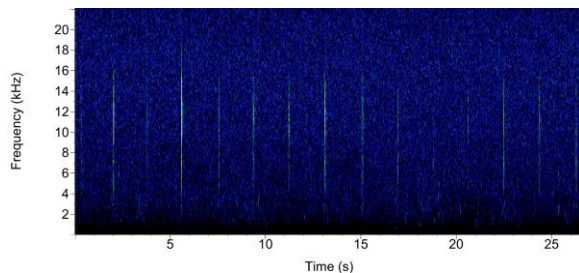
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Cuvier's Beaked Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Ari Friedlander. 2023. Cuvier's Beaked Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Cuvier's Beaked Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Harbor Porpoise *Phocoena phocoena***

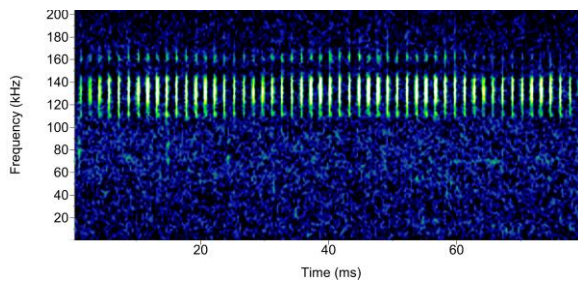
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Scottish Association for Marine Science, Denise Risch. 2023. Harbor Porpoise. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Mingan Island Cetacean Study. 2023. Harbor Porpoise. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Harbor Porpoise. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Humpback Dolphin *Sousa spp.*

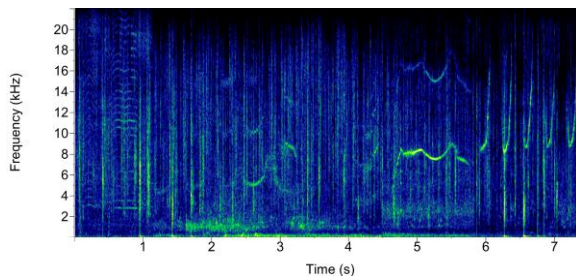
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Humpback Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. Flinders University, Guido Parra. 2023. Humpback Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Humpback Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Killer Whale *Orcinus orca*

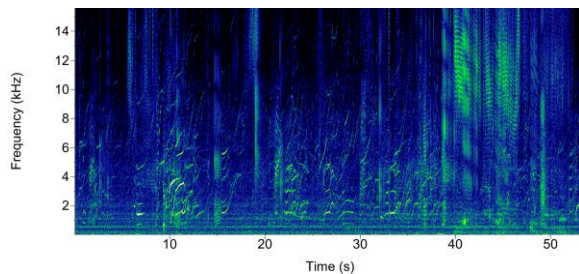
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Killer Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Marine Education and Research Society, Christie McMillan. 2023. Killer Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Killer Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Northern Bottlenose Whale *Hyperoodon ampullatus***

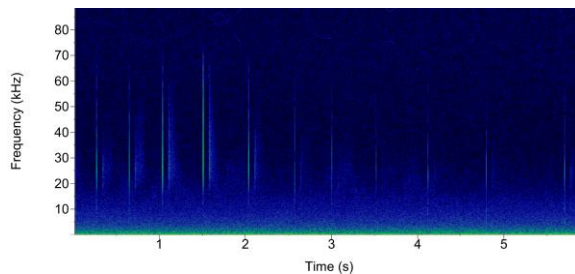
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Fisheries and Oceans Canada, Team Whale. 2023. Northern Bottlenose Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Northern Bottlenose Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Northern Bottlenose Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Pilot Whale *Globicephala spp.***

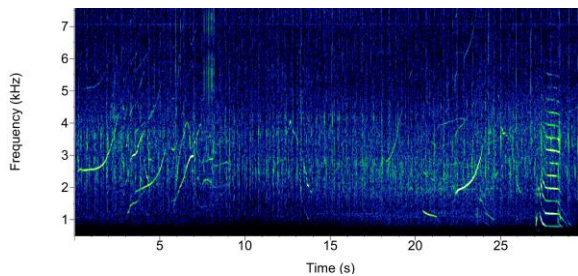
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Pilot Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Pilot Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Pilot Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Risso's Dolphin *Grampus griseus*

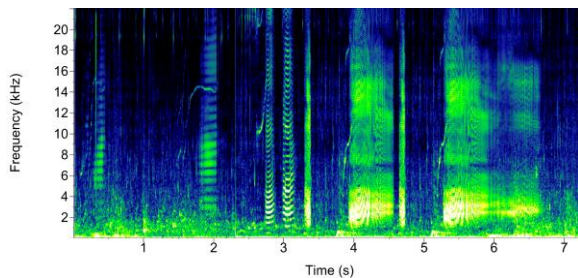
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Risso's Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Risso's Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Risso's Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Short-beaked Common Dolphin *Delphinus delphis***

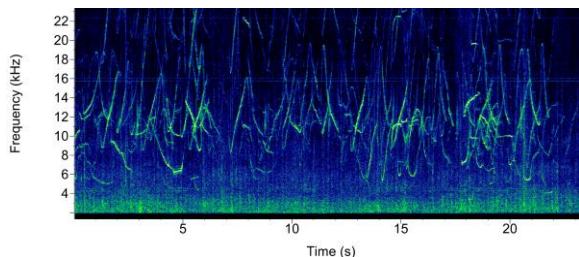
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Short-beaked Common Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Danielle Cholewiak. 2023. Short-beaked Common Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Short-beaked Common Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Sperm Whale *Physeter macrocephalus***

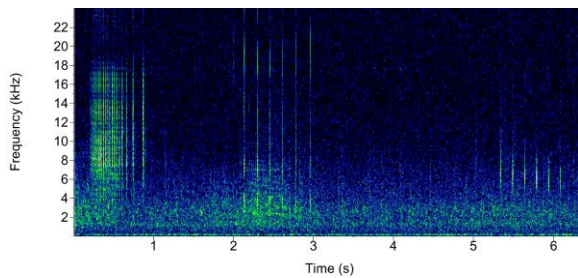
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Sperm Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center]. 2023. Sperm Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Sperm Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Striped Dolphin *Stenella coeruleoalba***

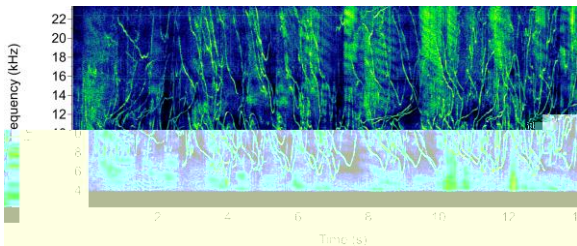
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Striped Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Danielle Cholewiak. 2023. Striped Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Striped Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## True's Beaked Whale *Mesoplodon mirus*

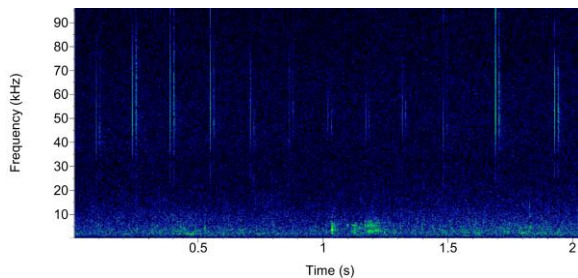
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. True's Beaked Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Salvatore Cerchio. 2023. True's Beaked Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. True's Beaked Whale. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**White-beaked Dolphin *Lagenorhynchus albirostris***

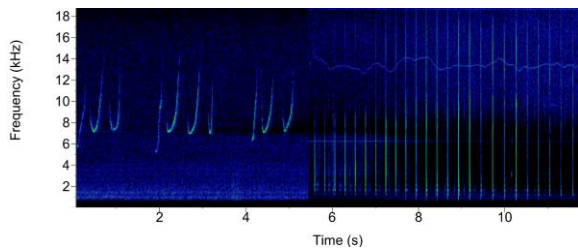
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. White-beaked Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Mingan Island Cetacean Study, Christian Ramp. 2023. White-beaked Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. White-beaked Dolphin. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



## Pinnipeds (Seals, Sea Lions & Walruses)

### Bearded Seal *Erignathus barbatus*

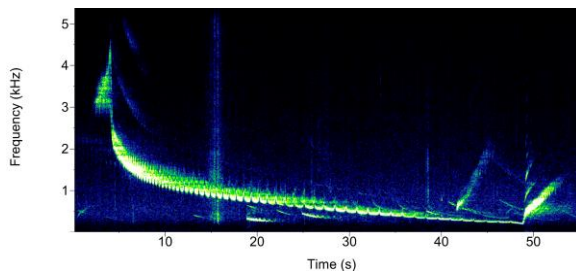
#### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Cornell University, Cornell Lab of Ornithology, K. Lisa Yang Center for Conservation Bioacoustics. 2023. Bearded Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



#### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Norwegian Polar Institute, Hans Wolkers. 2023. Bearded Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



#### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Bearded Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Crabeater Seal *Lobodon carcinophaga*

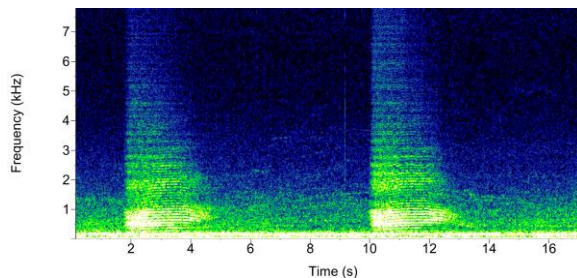
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Crabeater Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Crabeater Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Crabeater Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Gray Seal *Halichoerus grypus atlantica***

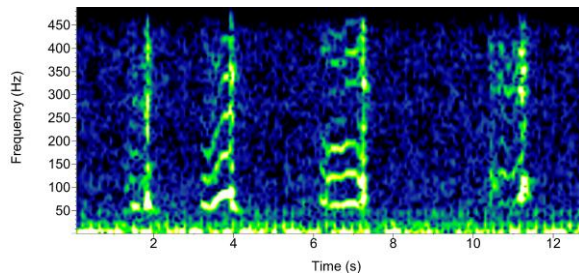
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center]. 2023. Gray Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Gordon Waring. 2023. Gray Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Gray Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

**Harbor Seal *Phoca vitulina***

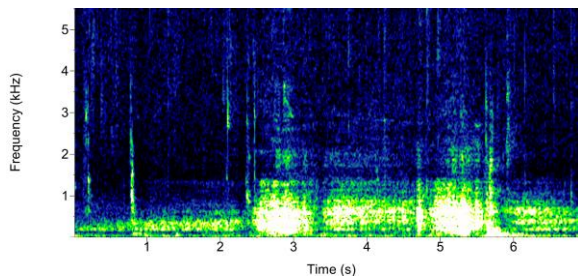
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Harbor Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. GARFO [Greater Atlantic Regional Fisheries Office]. 2023. Harbor Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Harbor Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Harp Seal *Pagophilus groenlandicus*

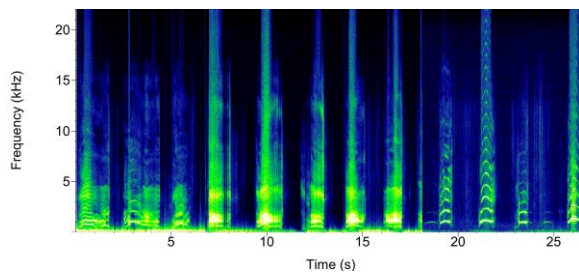
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Norwegian Polar Institute, Sofie Van Parijs. 2023. Harp Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Norwegian Polar Institute, Hans Wolkers. 2023. Harp Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Harp Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Leopard Seal *Hydrurga leptonyx*

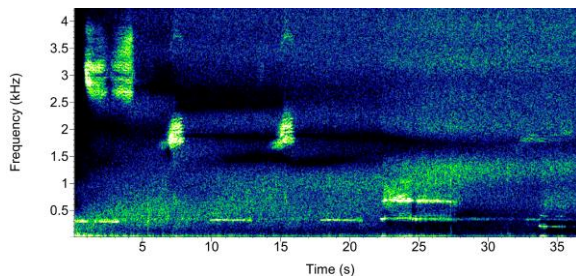
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Leopard Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Leopard Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Leopard Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Northern Fur Seal *Callorhinus ursinus*

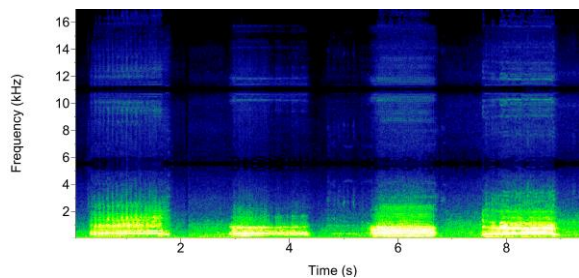
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. Wildlife Conservation Society Canada, Stephen Insley. 2023. Northern Fur Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Kristin Wilkinson. 2023. Northern Fur Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Northern Fur Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Ross Seal *Ommatophoca rossii*

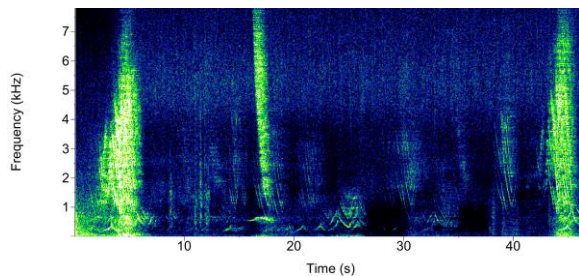
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Ross Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Ross Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Ross Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



## Walrus *Odobenus rosmarus*

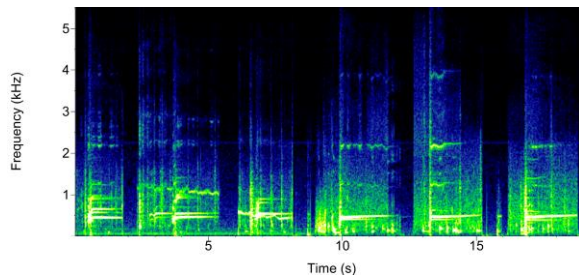
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Fisheries and Oceans Canada, Becky Sjare. 2023. Walrus. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. University of Alberta, Ian Stirling. 2023. Walrus. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Walrus. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

## Weddell Seal *Leptonychotes weddellii*

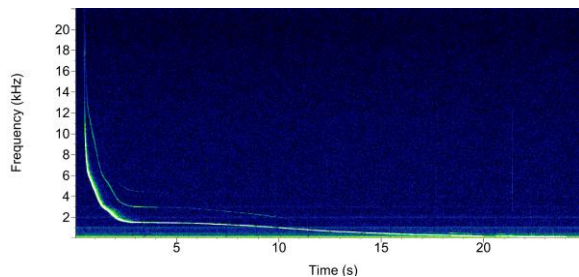
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. University of New Brunswick, Jack Terhune. 2023. Weddell Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Joachim Ploetz. 2023. Weddell Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Weddell Seal. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-mammals>

# Teleosts (Bony Fishes)

## Atlantic Cod *Gadus morhua*

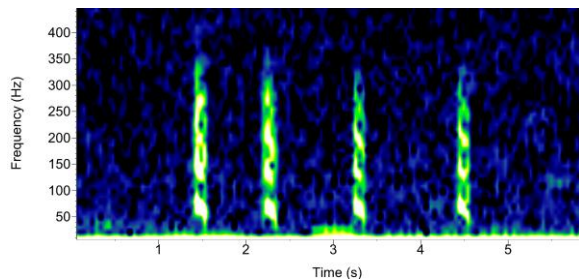
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Atlantic Cod. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, SBNMS [Stellwagen Bank National Marine Sanctuary], Doug Costa. 2023. Atlantic Cod. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Atlantic Cod. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

## **Black Drum *Pogonias cromis***

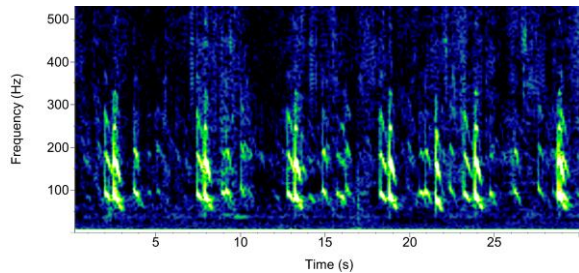
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. LGL Ecological Research Associates, LLC, William Heyman. 2023. Black Drum. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. Smithsonian Environmental Research Center, Robert Aguilar. 2023. Black Drum. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### **Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Black Drum. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

## **Black Grouper *Mycteroperca bonaci***

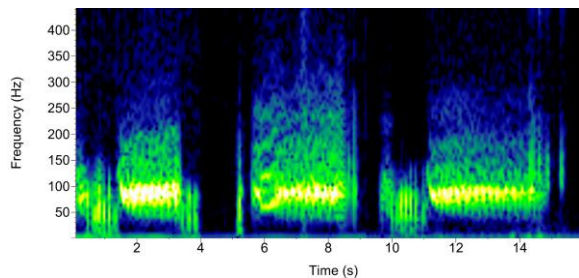
### **Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. University of Puerto Rico, Timothy Rowell. 2023. Black Grouper. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### **Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. United States Fish and Wildlife Service, Jan Zegarra. 2023. Black Grouper. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### **Spectrogram citation:**

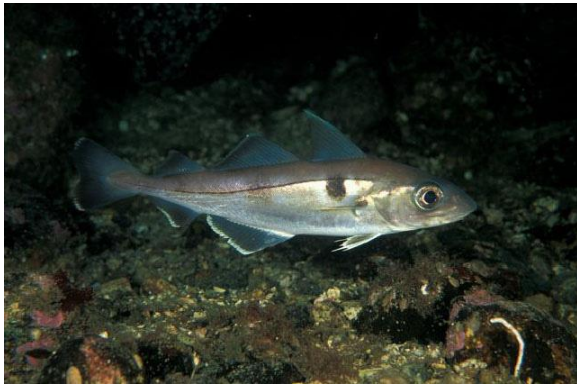
NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Black Grouper. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

**Haddock *Melanogrammus aeglefinus***

**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023.

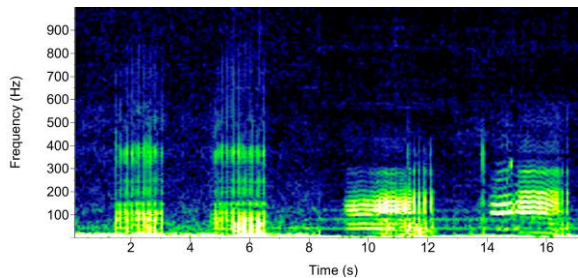
Haddock. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. 2023.

Haddock. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023.

Haddock. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

**Red Grouper *Epinephelus morio***

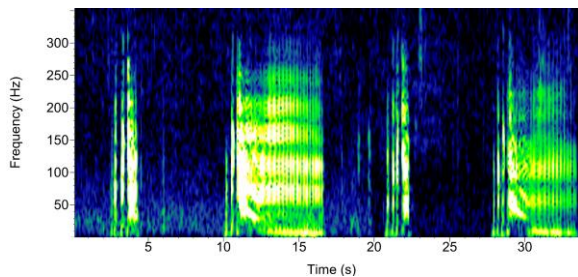
**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Red Grouper. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. 2023. Red Grouper. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Red Grouper. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

## Silver Perch *Bairdiella chrysoura*

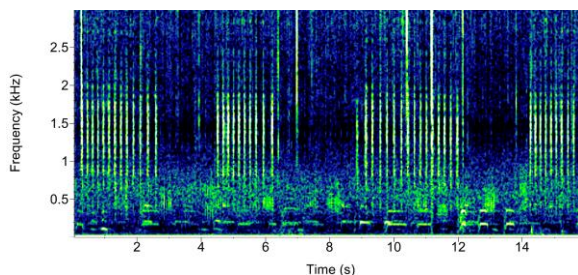
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. LGL Ecological Research Associates, LLC, William Heyman. 2023. Silver Perch. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, SEFSC [Southeast Fisheries Science Center], Brandi Noble. 2023. Silver Perch. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Silver Perch. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Toadfish *Opsanus spp.***

**Recording citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023.

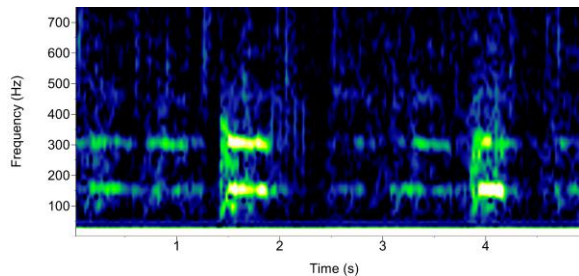
Toadfish. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Photo citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, SEFSC [Southeast Fisheries Science Center], Zeb Schobernd. 2023.

Toadfish. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



**Spectrogram citation:**

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023.

Toadfish. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

# Invertebrates

## Snapping Shrimp *Alpheus spp.*

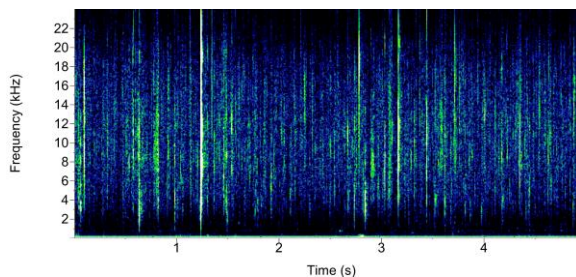
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Snapping Shrimp. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. Woods Hole Oceanographic Institution, Ashlee Lillis. 2023. Snapping Shrimp. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Snapping Shrimp. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-fish-and-invertebrates>

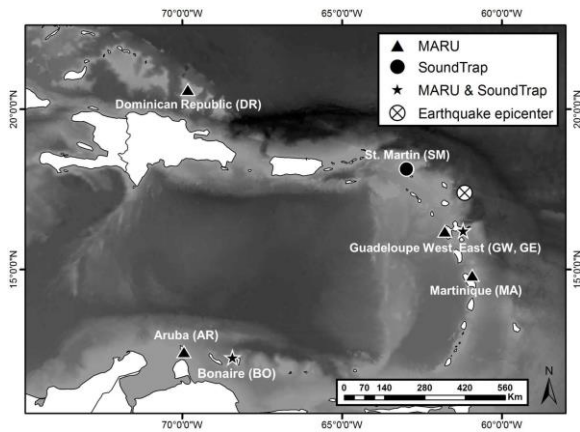
# Environmental

## Earthquake

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Earthquake.

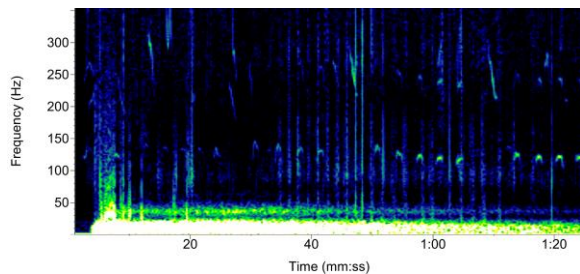
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Heenehan et al. 2019 (Fig. 1). 2023. Earthquake.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Earthquake.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Ice Calving

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Ice Calving.

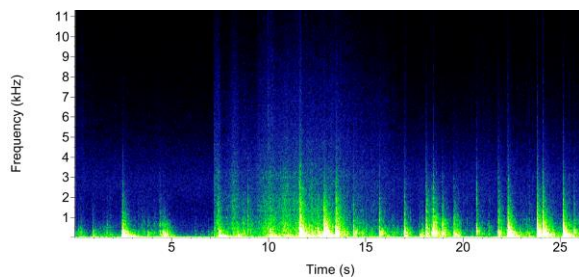
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Corps, John Bortniak. 2023.

Ice Calving. <https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Ice Calving.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Ice Singing

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Ice Singing.

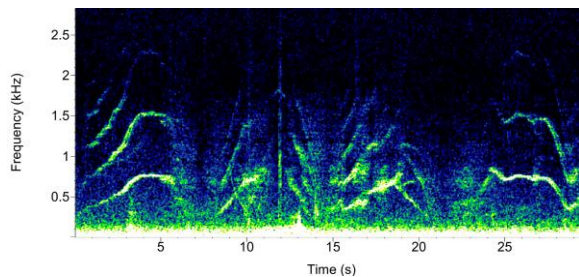
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### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. 2023. Ice Singing.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Ice Singing.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Quiet Ocean

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. Alfred Wegener Institute, Ilse Van Opzeeland. 2023. Quiet Ocean.

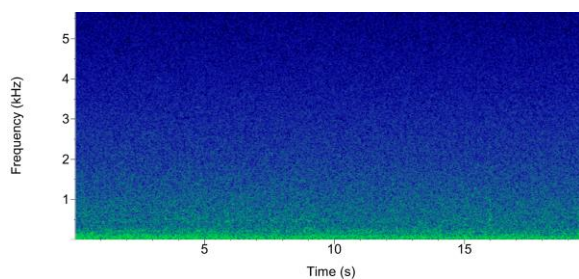
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Jennifer Wallace. 2023. Quiet Ocean.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Quiet Ocean.

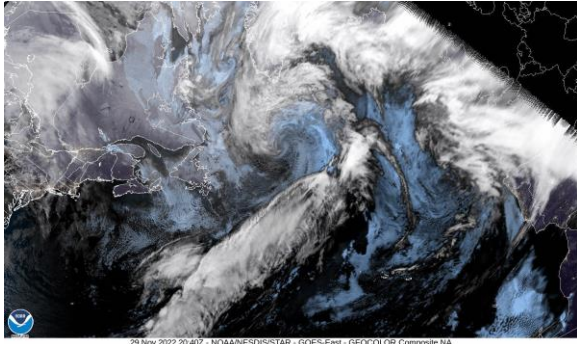
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## Rain

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Rain.

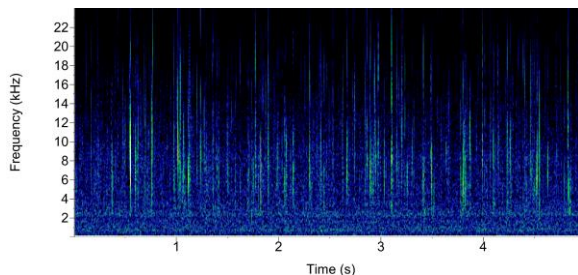
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NESDIS [National Environmental Satellite, Data, and Information Service], STAR [Center for Satellite Applications and Research]. 2023. Rain.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Rain.

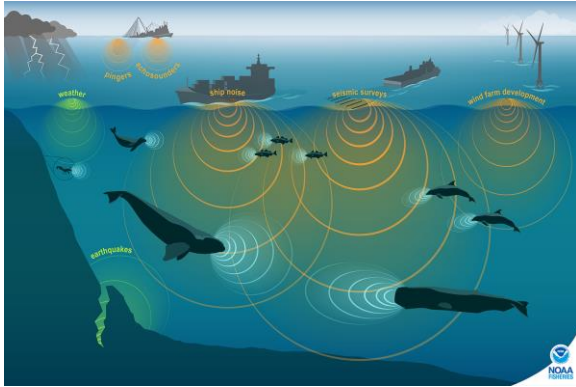
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Soundscape

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Soundscape.

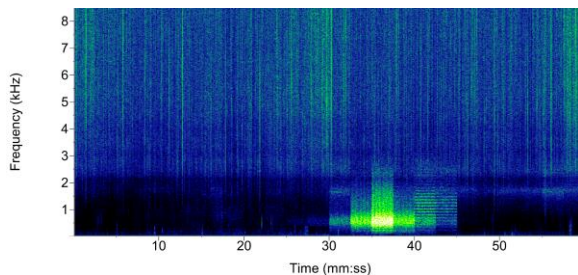
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries. 2023. Soundscape.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Soundscape.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



## Thunderstorm

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Thunderstorm.

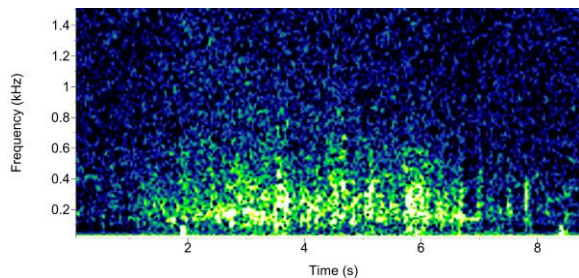
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. 2023. Thunderstorm.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Thunderstorm.

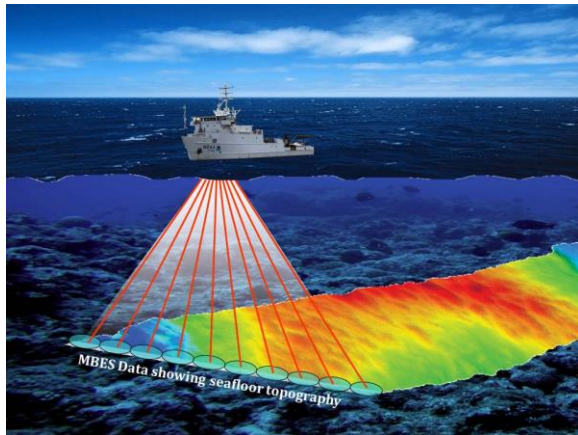
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

# Anthropogenic (Human-made)

## Echosounder

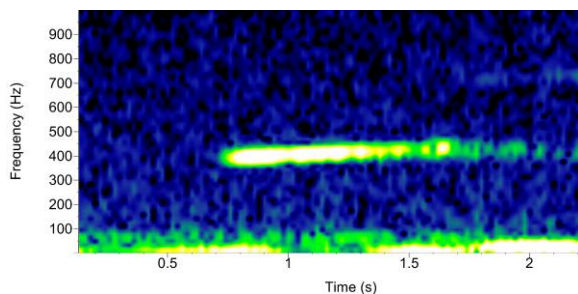
### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Echosounder.  
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOS [National Ocean Service], NCCOS [National Centers for Coastal Ocean Science], CCMA [Center for Coastal Monitoring and Assessment]. 2023. Echosounder.  
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Echosounder.  
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Pile Driving (Offshore Wind Energy Construction)

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Pile Driving (Offshore Wind Energy Construction).

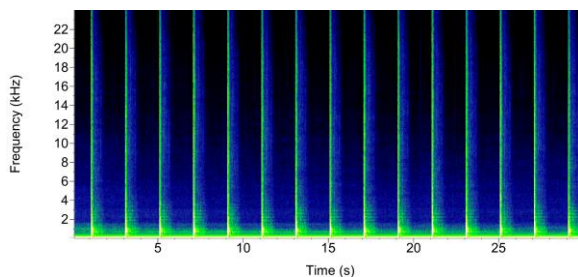
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center]. 2023. Pile Driving (Offshore Wind Energy Construction).

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Pile Driving (Offshore Wind Energy Construction).

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Seismic (Oil & Gas)

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Seismic (Oil & Gas).

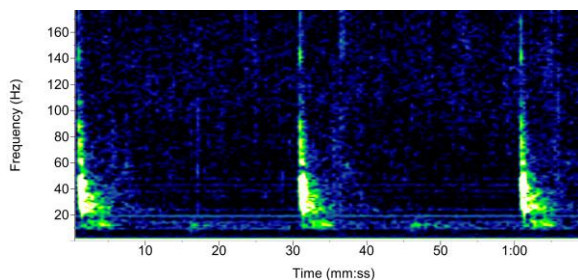
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Seismic (Oil & Gas).

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Seismic (Oil & Gas).

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Small Vessel

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Small Vessel.

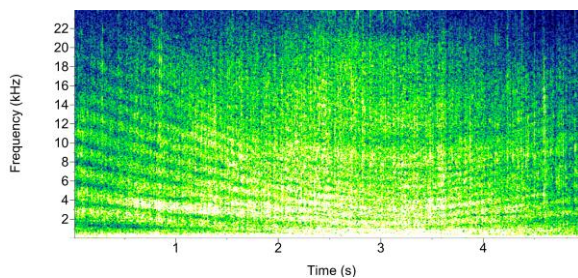
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Small Vessel.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Small Vessel.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>

## Large Vessel

### Recording citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center]. 2023. Large Vessel.

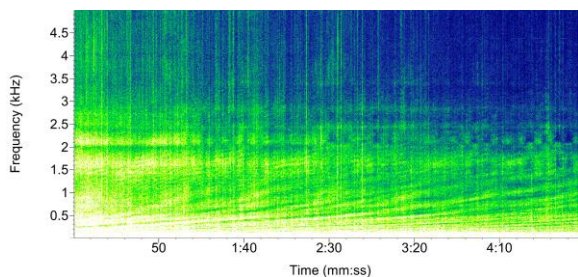
<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Photo citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Pete Duley. 2023. Large Vessel.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>



### Spectrogram citation:

NOAA [National Oceanic and Atmospheric Administration]. NOAA Fisheries, NEFSC [Northeast Fisheries Science Center], Passive Acoustics Branch. 2023. Large Vessel.

<https://www.fisheries.noaa.gov/national/science-data/sounds-ocean-environmental-and-anthropogenic>