

## Underwater Acoustics: 2020 DOSITS Webinar Series

NMFS Regulatory Approach to Underwater Noise Impacts on Protected Species and Habitat  
Thursday, July 23, 2020 12pm ET  
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### **Webinar Outline:**

- Key statutes and regulatory processes through which NOAA addresses noise impacts
- Overview of the impacts of noise
- Methods and tools for quantifying “take” from acoustic stressors
- What does “take” mean? Assessing effects on individual fitness and populations
- Mitigation and monitoring
- Efficiencies in regulatory compliance
- Outside of the Regulatory box (e.g., Shipping noise, NOAA Ocean Noise Strategy)

### **DOSITS Links:**

- Science of Sound > Advanced Topics > *Sound Pressure Levels and Sound Exposure Levels*  
<https://dosits.org/science/advanced-topics/sound-pressure-levels-and-sound-exposure-levels/>
- Science of Sound > Advanced Topics > Introduction to Signal Levels  
<https://dosits.org/science/advanced-topics/introduction-to-signal-levels/>
- Science of Sound > *What sounds can people hear?*  
<https://dosits.org/science/measurement/what-sounds-can-we-hear/>
- Science of Sound > *What sounds can animals hear?*  
<https://dosits.org/science/measurement/what-sounds-can-animals-hear/>
- Animals and Sound > Potential Effects > *How do you determine if a sound affects a marine animal?*  
<https://dosits.org/animals/effects-of-sound/determine-if-a-sound-affects-a-marine-animal/>
- Animals and Sound > *How do you measure a marine mammal's reaction to sound?*  
<https://dosits.org/animals/effects-of-sound/measure-marine-mammals-reaction-to-sound/>
- Animals and Sound > *Potential effects of sound on marine mammals*  
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-mammals/>
- Animals and Sound > *Potential effects of sound on marine fishes*  
<https://dosits.org/animals/effects-of-sound/potential-effects-of-sound-on-marine-fishes/>
- Animals and Sound > *Anthropogenic Sound Sources*  
<https://dosits.org/animals/effects-of-sound/anthropogenic-sources/>
- Animals and Sound > *How can we moderate or eliminate the effects of human activities?*  
<https://dosits.org/animals/effects-of-sound/moderate-or-eliminate-the-effects-of-human-activities/>
- DOSITS Hot Topic > *Guidance on Determining Potential Effects to Marine Mammal Hearing*  
<https://dosits.org/guidance-on-determining/>