

DOSITS Underwater Sound Source Webinar: Commercial Shipping
Michelle Sanders and Tabitha Takeda, Transport Canada
Wednesday, September 18, 2019, 12 pm EDT

Presentation outline:

- Overview of the ecological context of underwater noise
- Characteristics of underwater noise caused by vessels
 - Sources of ship noise
 - Propagation of underwater noise in different environments
- Mitigation options: Review of some of the initiatives undertaken by Canada to develop, implement and analyze various measures to reduce underwater noise from vessels.
This will include:
 - An overview of Transport Canada's Marine Research, Development and Deployment program and efforts to advance quiet ship design and technologies
 - Review of operational measures trialed and implemented on the west coast of Canada targeting both large commercial vessels and smaller vessels throughout the Salish Sea, and
 - An overview of international efforts to advance work on underwater noise

Additional Information on the DOSITS website:

- Animals and Sound > Potential Effects > Anthropogenic Sound Sources > Commercial Vessel Traffic
<https://dosits.org/animals/effects-of-sound/anthropogenic-sources/commercial-vessel-traffic/>
- Animals and Sound > Potential Effects > Moderate or eliminate the effects of human activities > Ship Quieting Technologies
<https://dosits.org/animals/effects-of-sound/moderate-or-eliminate-the-effects-of-human-activities/ship-quieting-technologies/>
- Hot Topic > Killer Whales and Vessel Noise
<https://dosits.org/hot-topic-killer-whales-and-vessel-noise/>
- Audio Gallery > Anthropogenic Sounds > Ship
<https://dosits.org/galleries/audio-gallery/anthropogenic-sounds/ship/>
- Science of Sound > Sound in the Sea > How does shipping affect ocean sound levels?
<https://dosits.org/science/sounds-in-the-sea/how-does-shipping-affect-ocean-sound-levels/>
- Science of Sound > Advanced Topics > Ocean Noise Variability and Noise Budgets
<https://dosits.org/science/advanced-topics/ocean-noise-variability-and-noise-budgets/>