

# HARO STRAIT VESSEL SLOWDOWN TRIAL

## WHY THE TRIAL?

The trial aims to better understand the relationship between vessel speed, underwater noise and effects on killer whales.

Noise decreases with slower speeds. A **3kn reduction** can result in a **50% decrease in sound intensity**.



There are only **78 southern resident killer whales**.



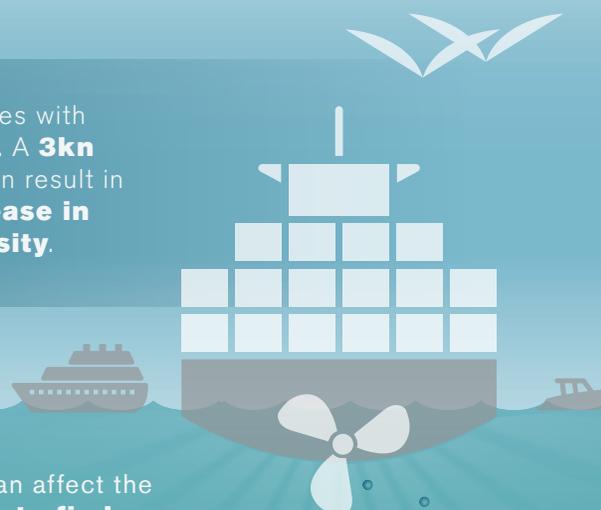
Vessel noise can affect the whale's **ability to find prey, mate, rest and navigate**.



They are listed as **endangered** under the *Species at Risk Act*.



Underwater noise is **one of the key threats** to the recovery of the species.



## ABOUT THE TRIAL



Between August 7 and October 6, 2017 all vessels are asked to slow down to



through the water.



We are seeking the participation of all vessels.

High vessel participation rates lead to greater data collection and more robust analysis and conclusions.

**Get recognized**

Recognition will be given to participating vessels and companies.

## TRIAL EVALUATION

### Modelling



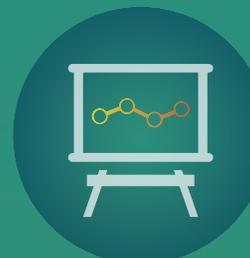
Pre- and post-trial acoustic and killer whale modelling

### Monitoring



Hydrophones to monitor ambient and vessel underwater noise and whale presence  
Data to monitor vessel speed

### Reporting



How slowing vessels down affects underwater noise and killer whale responses