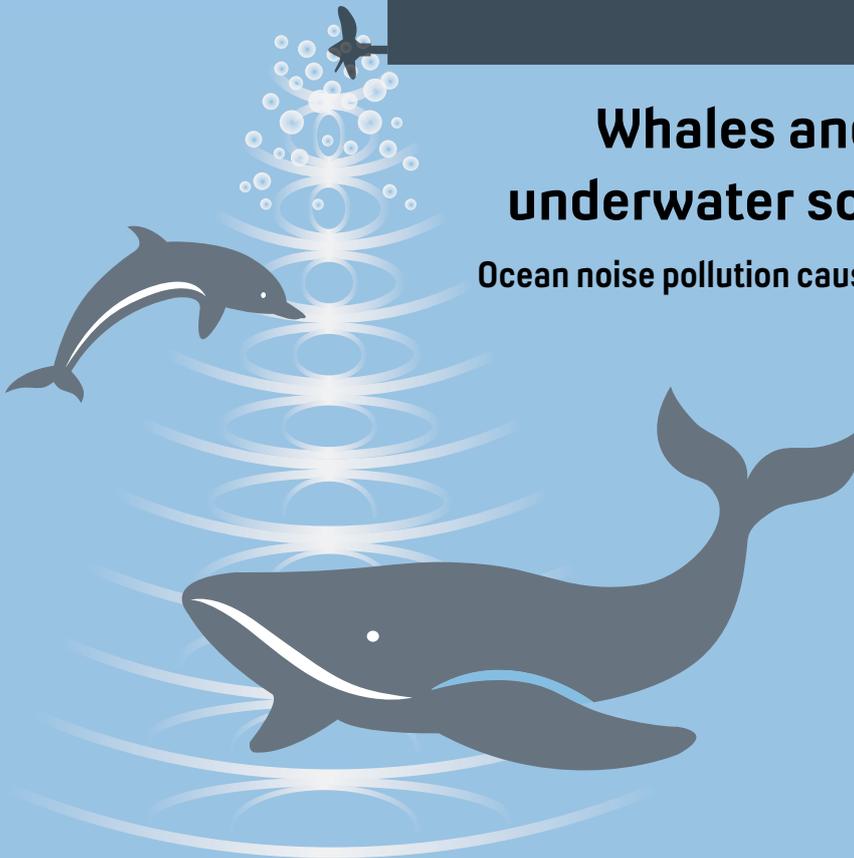




Whales and dolphins rely on underwater sound for their survival

Ocean noise pollution causes stress and reduces their ability to:



Communicate



Navigate



Locate prey

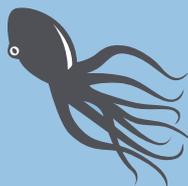


Avoid predators



Find potential mates

Other marine life, such as fish, crustaceans and squid are also impacted



Underwater noise from ships comes from



- Engines and machinery
- Poor ship hull design and uneven water flow into propeller

but mainly caused by collapsing bubbles from propeller (cavitation)

- 1) poor propeller design
- 2) dirty or damaged propeller
- 3) propeller not optimised for design or speed of ship

Noisy propeller = ship operating inefficiently

Solutions to reduce noise



- Slower ship speeds
- Build new ships with optimised noise reduction design

Existing ships

- 1) install new, more efficient propeller
- 2) regular propeller maintenance (clean propeller, repair damaged blades)
- 3) fit devices to improve water flow to propeller
- 4) good hull maintenance