knowit

Underwater sound pollution

Background:

Underwater Sound Pollution (UNP) is the sound contamination in water caused by humans. For example, explosives, ship traffic, seismic air guns, and sonar signals all cause sound pollution in water. The intense soundwaves are detrimental to the well-being of many corals and marine mammals, as it causes disruption of their feeding, breeding, communication and other vital behaviors. Ultimately, this may result in permanent loss of thousands of species, as well as the wellbeing of humans.

Description and objective:

- Design a system which can determine the sound pollution of an area.
- Investigate the volume that the system may operate on (i.e the radius of which it can detect sound pollution)