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An introduction to underwater acoustics. New York: Springer. Massachusetts Institute of Technology 2.017 Definitions  $p$ : pressure, measured relative to hydrostatic, Pa : density, measured relative to hydrostatic,  $\text{kg/m}^3$   $E$ : bulk modulus of the fluid, Pa,  $\rho = E [ \dots$

## **Basic Physics of Underwater Acoustics**

Discovery of Sound in the Sea ([www.dosits.org](http://www.dosits.org)) makes underwater acoustics accessible for everyone from grade school students to reporters, the public, and natural resource regulators. Introduction. Seawater scatters and absorbs beams of light, making it difficult to see objects clearly and at far distances underwater.

## **Underwater Acoustics for everyone**

Acoustics was originally the study of small pressure waves in air which can be detected by the human ear: sound. The scope of acoustics has been extended to higher and lower frequencies: ultrasound and infrasound. Structural vibrations are now often included in acoustics. Also the perception of sound is an area of acoustical research.

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