



## The Effects of Noise on Aquatic Life II /

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**Contenido:** Preface -- Noise-Induced Hearing Loss: Permanent Versus Temporary Threshold Shifts and the Effects of Hair Cell Versus Neuronal Degeneration -- Modeled and Measured Underwater Sound Isopleths and Implications for Marine Mammal Mitigation in Alaska -- Sources of Underwater Sound and Their Characterization -- Assessment of Marine Mammal Impact Zones for Use of Military Sonar in the Baltic Sea -- Contribution to the Understanding of Particle Motion Perception in Marine Invertebrates -- Functional Morphology and Symmetry in the Odontocete Ear Complex -- A Low-Cost Open-Source Acoustic Recorder for Bioacoustics Research -- Assessment of Impulsive and Continuous Low-Frequency Noise in Irish Waters -- Is the Venice Lagoon Noisy? First Passive Listening Monitoring of the Venice Lagoon: Possible Effects on the Typical Fish Community -- Effect of Pile-Driving Sounds on the Survival of Larval Fish -- Challenge of Using Passive Acoustic Monitoring in High-Energy Environments: UK Tidal Environments and Other Case Studies -- Hearing Mechanisms and Noise Metrics Related to Auditory Masking in Bottlenose Dolphins (*Tursiops truncatus*) -- Effects of Hatchery Rearing on the Structure and Function of salmonid Mechanosensory Systems -- The Effects of Impulsive Pile Driving Exposure on Fishes -- Review of the Effects of Offshore Seismic Surveys in Cetaceans: Are Mass Strandings a Possibility? -- Addressing Challenges in Studies of Behavioral Responses of Whales to Noise -- Measurements of Operational Wind Turbine Noise in UK Waters -- A Bioenergetics Approach to Understanding the Population Consequences of Disturbance: Elephant Seals as a Model System -- Singing Fish in an Ocean of Noise: Effects of Boat Noise on the Plainfin Midshipman (*Porichthys notatus*) in a Natural Ecosystem -- Detection of Complex Sounds in Quiet Conditions by Seals and Sea Lions -- Offshore Dredger Sounds: Source Levels, Sound Maps, and

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