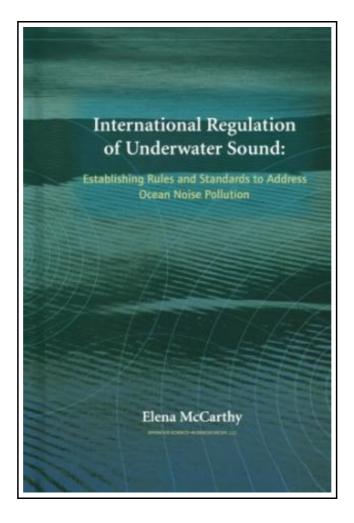
International Regulation of Underwater Sound



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Reviews

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INTERNATIONAL REGULATION OF UNDERWATER SOUND



Book Condition: New. Publisher/Verlag: Springer, Berlin | Establishing Rules and Standards to Address Ocean Noise Pollution | Numerous incidents suggest that man-made sound injures and can kill marine mammals. This book offers an objective look at how ocean noise should be addressed given the lack of regulatory structure and the scientific uncertainty over the effects of noise on marine life. It is an essential text for policymakers, governments and NGOs, biologists, environmental activists, , oceanographers, and those in the shipping, engineering, and offshore oil and gas industries. | Chapter One - Introduction1. A Brief History of the Use of Sound in the Ocean2. Ambient Noise in the Sea3 Effects of Sound on Marine Mammals4. Regulation of Noise in the Ocean-Some BackgroundChapter Two - Scientific Aspects of Underwater Sound1. The Physics of Underwater Sound2. Effects of Acoustic Emissions2.1 Health Threats to Marine Mammals2.2 Health Threats to Humans2.3 Threats to other Marine Life2.4 Acoustic Interference3. Summary - Effects of Acoustic Emissions4. Sources of Naturally-Occurring Sound in the Ocean4.1 Physical and Geophysical Sources4.2 Biological Sources4.3 Sounds from Marine Mammals5. Anthropogenic Sound in the Sea5.1 Is Ambient Noise Increasing?5.2 The Many Uses of Sonar5.3 Shipping and Shipping Trends5.4 Dredging and Coastal Construction5.5 Offshore Oil and Mineral Exploration5.6 Recreational Boating5.7 Fishing and Aquaculture5.8 Military Activities5.9 Oceanographic Research5.10 Other Sources5.11 Ambient Noise Summary6. Hotspots - Sensitive Areas of Intense Acoustic Activity6.1 Stellwagen Bank6.2 The Ligurian Sea6.3 Other HotspotsChapter Three - Focusing Events1. What are Focusing Events?2. The Role of Non-Governmental Organizations2.1 What are Environmental NGOs? 2.2 Public Perception of Marine Mammals2.3 The Natural Resources Defense Council2.4 Other NGOs involved in Ocean Noise Pollution 2.5 The Emergence of New NGOs3. Key Focusing Events 3.1 Ship Shock Testing 3.2 Acoustic Thermometry of Ocean Climate (ATOC)3.3 The North Pacific Acoustic Laboratory (NPAL)3.4 Greek Whale Strandings and NATO3.5 Surveillance Towed Array Sensor System (SURTASS)3.6...

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