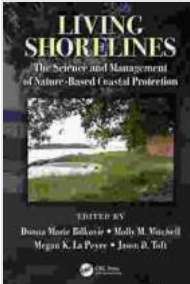


# The Science and Management of Nature-Based Coastal Protection: A Comprehensive Guide



## Living Shorelines: The Science and Management of Nature-Based Coastal Protection (CRC Marine Science)

★★★★★ 5 out of 5

Language	: English
File size	: 13120 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 821 pages



## Unlock the Power of Nature for Coastal Protection

The Science and Management of Nature-Based Coastal Protection is the definitive guide to safeguarding coastal ecosystems and communities using sustainable, nature-inspired solutions. This comprehensive volume brings together the latest scientific advancements and management strategies, providing invaluable insights and practical guidance for professionals, researchers, and students in coastal science and management.

## Harnessing Nature's Protective Powers

Coastal ecosystems, including mangroves, coral reefs, seagrass beds, and salt marshes, play a critical role in protecting coastlines from erosion, storm

surges, and other natural hazards. These natural buffers absorb wave energy, stabilize sediments, and provide essential habitats for marine life. By understanding the ecological processes and ecosystem services provided by these invaluable ecosystems, we can develop innovative and sustainable approaches to coastal protection.

## **Bridging Science and Management**

This book bridges the gap between science and management, presenting a comprehensive overview of the science underpinning nature-based coastal protection. It covers a wide range of topics, including:

- The role of mangroves in coastal protection
- Coral reef restoration and management
- Seagrass bed conservation and restoration
- Salt marsh restoration and management
- Coastal engineering and nature-based solutions
- Nature-inspired solutions for climate change adaptation

## **Case Studies and Practical Guidance**

The book is rich in case studies and practical guidance, showcasing successful nature-based coastal protection projects from around the world. These case studies demonstrate the effectiveness of nature-based solutions in real-world scenarios, providing valuable lessons for practitioners.

## **Essential for Coastal Science and Management**

The Science and Management of Nature-Based Coastal Protection is an essential resource for professionals, researchers, and students in coastal science and management. It provides a comprehensive understanding of the science and strategies behind nature-based coastal protection, empowering readers to develop and implement sustainable solutions to protect coastal ecosystems and communities.

### **Expert Contributors**

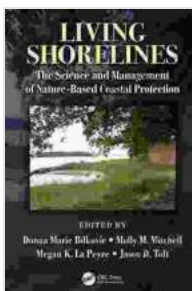
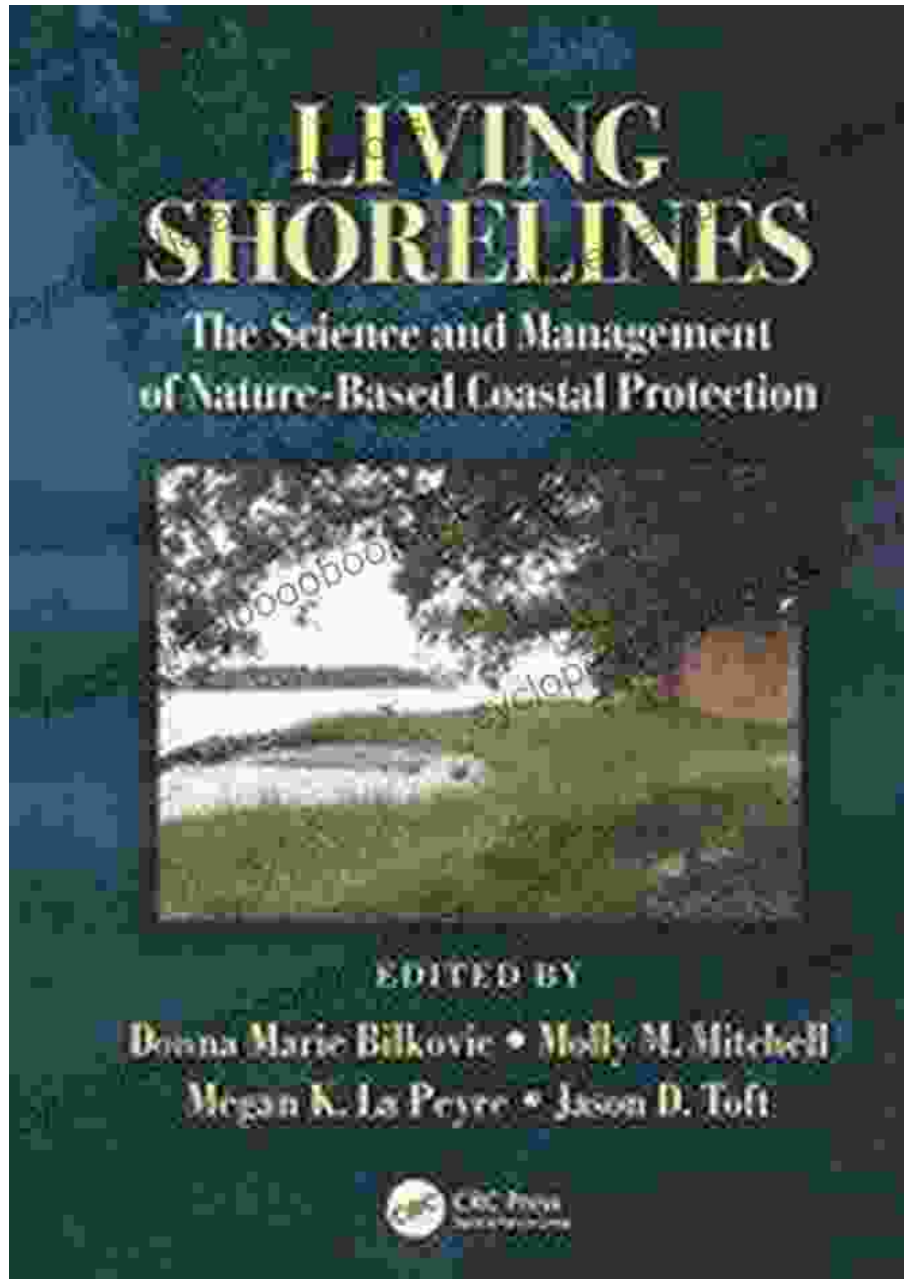
The book is written by leading experts in the field of nature-based coastal protection, including:

- Dr. Thorsten Balke, University of Queensland
- Dr. Matthias Wolff, University of New South Wales
- Dr. Katharine Cross, University of California, Berkeley

### **Free Download Your Copy Today**

Free Download your copy of The Science and Management of Nature-Based Coastal Protection today and gain access to the latest scientific advancements and management strategies for protecting coastal ecosystems and communities. This comprehensive guide is an invaluable resource for anyone involved in coastal science and management.

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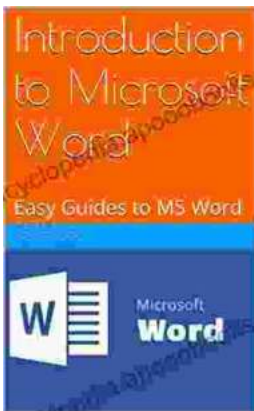
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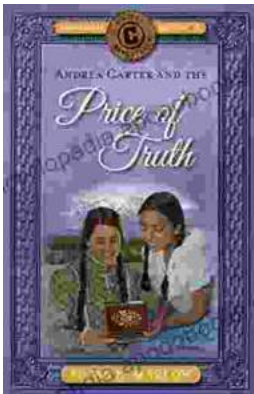
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