

Coasts and Estuaries: The Future

Coasts and estuaries are among the most dynamic and productive ecosystems on Earth. They provide a wide range of benefits to humans, including food, water, recreation, and transportation. However, these ecosystems are also facing a number of challenges, including climate change, sea level rise, and pollution.



Coasts and Estuaries: The Future by Angel Luz

★★★★☆ 4.5 out of 5

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Screen Reader : Supported
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 676 pages



Coasts and Estuaries: The Future is a comprehensive guide to the challenges and opportunities facing coastal and estuarine ecosystems. This book provides a detailed overview of the current state of these ecosystems, as well as projections for the future. The book also discusses a variety of management strategies that can be used to protect and restore coastal and estuarine ecosystems.

Coasts and Estuaries: The Future is an essential resource for anyone who is interested in the future of these important ecosystems. This book is also

a valuable resource for policymakers, coastal managers, and environmental scientists.

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Current State of Coastal and Estuarine Ecosystems

Coastal and estuarine ecosystems are currently facing a number of challenges, including:

- **Climate change:** Climate change is causing sea levels to rise, which is leading to erosion and flooding in coastal areas. Climate change is also causing changes in precipitation patterns, which is leading to droughts and floods in some coastal areas.
- **Sea level rise:** Sea level rise is a major threat to coastal and estuarine ecosystems. As sea levels rise, coastal areas will be flooded, and habitats for plants and animals will be destroyed. Sea level rise will also lead to saltwater intrusion into freshwater aquifers, which can make drinking water supplies unsafe.
- **Pollution:** Pollution is a major threat to coastal and estuarine ecosystems. Pollution can come from a variety of sources, including industrial waste, agricultural runoff, and sewage. Pollution can harm plants and animals, and it can also make water unsafe for human use.

Projections for the Future

The future of coastal and estuarine ecosystems is uncertain. However, there are a number of projections that can be made based on current trends. These projections include:

- **Sea levels will continue to rise:** Sea levels are projected to rise by 1-4 feet by the end of the century. This will lead to flooding and erosion in coastal areas, and it will also destroy habitats for plants and animals.
- **Coastal and estuarine ecosystems will become more acidic:** The ocean is becoming more acidic as it absorbs carbon dioxide from the atmosphere. This is harmful to plants and animals that live in coastal and estuarine ecosystems.
- **Pollution will continue to be a major threat:** Pollution is



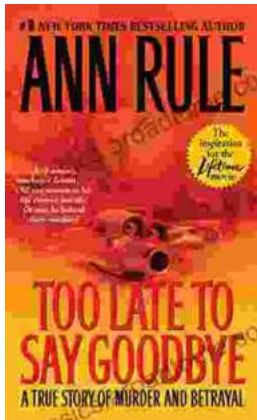
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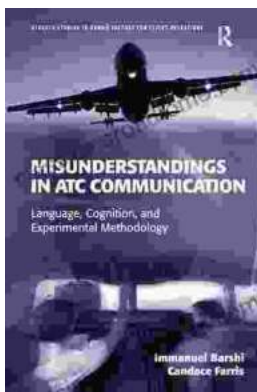
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