

# **mygeographynotes**

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# Preface

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.

# 1 Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

## 2 Coastal Landscapes and Change

### 2.1 Why are coastal landscapes different and what processes cause these differences?

- This is the area between the land and the sea, stretching out into the sea and onto the shore.
- The zone is subdivided into the backshore, foreshore, nearshore and offshore
- The backshore is only affected by waves during high tides (often called spring tides) and during major storms. It is above sea level. This is where mass movement and weathering occurs
- The nearshore refers to shallow water close to land. It is very there is most human activity, such as fishing and and leisure
- Waves processes normally occur between the high and low tide mark. Erosion and deposition occur at the foreshore and nearshore.

The zone is in dynamic equilibrium due to the wide range of natural processes that interact within it These process can be short term (individual waves, tides etc) or long term (climate change)

#### 2.1.1 Classifying coasts

Coasts can be classified using longer term criteria such as geology, sea level rise as well as shorter term processes such as inputs from rivers, waves and tides - erosion and deposition which cause short term changes.

- 2.2 How do characteristic coastal landforms contribute to coastal landscapes?**
- 2.3 How do coastal erosion and sea level change alter the physical characteristics of coastlines and increase risks?**
- 2.4 How can coastlines be managed to meet the needs of all players?**

## 3 Summary

In summary, this book has no content whatsoever.

## References

Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111. <https://doi.org/10.1093/comjnl/27.2.97>.