

Coastline Length Effects on Area Calculation

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Key words: Cartography; Coastal Zone Management; Hydrography; Reference systems; Standards; Keyword 1; Keyword 2; Keyword 3

SUMMARY

The coastline is the line where land is separated from the sea. Most of human activities to make use of sea and ocean resources begin on the coastline or close from coastal area. Increasing human activities along the coasts means more pollution and disturbance of marine environment. Management and development of coastal area require accurate and precise data. Land surveyors and hydrographers use different approaches to define and delineate the coastline. This paper reviews the different methods of coastline delineation, by using hydrographic survey data and satellites imaging data. Furthermore, it aims to address crucial technical aspects of calculating coastline length and how that affects total area calculation for some islands.