



Marine Environment Classification EEZ 10 Classes (2010)

Metadata

File Identifier

e4ae8805-eca2-6f0d-2cc4-52464883bd11

Language

eng

Hierarchy Level Name

dataset

Date Stamp

Date Time

20110721

Metadata Standard Name

ISO 19115:2003/19139

Metadata Standard Version

1.0

Reference System Info

Reference System

Reference System Identifier

Identifier

Code

urn:ogc:def:crs:EPSG::4326

Identification Info

Data Identification

Citation

Citation

Title

Marine Environment Classification: 10 Classes

Abstract

The Marine Environment Classification (MEC), a GIS-based environmental classification of the marine environment of the New Zealand region, is an ecosystem-based spatial framework designed for marine management purposes. Several spatially-explicit data layers describing the physical environment define the MEC. A physically-based classification was chosen because data on these physical variables were available or could be modelled, and because the pattern of the

physical environment is a reasonable surrogate for biological pattern, particularly at larger spatial scales. Classes within the classification were defined using multivariate clustering methods. These produce hierarchical classifications that enable the user to delineate environmental variation at different levels of detail and associated spatial scales.

Purpose

The Marine Environment Classification (MEC), a GIS-based environmental classification of the marine environment of the New Zealand region, is an ecosystem-based spatial framework designed for marine management purposes.

Point Of Contact

Responsible Party

Organisation Name

Ministry for the Environment

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Descriptive Keywords

Keywords

Keyword

002

Resource Constraints

Constraints

Use Limitation

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Language

eng

Topic Category Code

environment

Topic Category Code

oceans

Microsoft Windows Server 2008 R2 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.2.3200

Extent

EX _ Extent

Geographic Element

EX _ Geographic Bounding Box

156.0-169.0-56.380405426-23.9509162903

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

Transfer Size

Real

0.420

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/52367-marine-environment-classification-eez-10-classes-2010/>

On Line

Online Resource

Linkage

URL

<http://koordinates.com/layer/3820/>

Data Quality Info

DQ _ Data Quality

Lineage

LI _ Lineage

Statement

The development of the Marine Environment Classification began in 1999 with a series of consultative workshops that established the need for a spatial framework of New Zealand's marine environments. A steering group was assembled by MfE to oversee the development of the Marine Environment Classification. The purpose of the steering group was to ensure that the classification would provide a suitable management tool. The steering group membership was made up of people from the Department of Conservation, SeaFIC, NIWA, regional councils and MFish. Specifically the steering group was required to: 1. discuss and define the needs of users and the scope of the Marine Environment Classification and decide on the approach for its development 2. agree on the processes and techniques for the development of the classification system 3. review the outputs at various stages of development of the classification and where necessary choose from among options for subsequent development stages. A second group of experts was involved in the detailed design and technical development of the classification system. The experts contributed to each of the following development phases: 1. choice of approach to design and development of the marine classification system and spatial resolution (mapping scale) 2. candidate environmental variable selection 3. development of environmental variables 4. validation of environmental variables 5. classification definition and tuning 6. testing.

Metadata Constraints

Legal Constraints

Use Constraints

Restriction Code
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