



River Environment Classification Watershed Southland (2010)

Metadata

Identification Information

Citation

Citation Information

Originator

Ministry for the Environment, New Zealand

Originator

NIWA

Publication Date

2004

Title

REC_Watershed_Southland

Geospatial Data Presentation Form

vector digital data

Online Linkage

<http://Koordinates.com>

Description

Abstract

The River Environment Classification (REC) is a system that classifies New Zealand's rivers according to their physical properties at a range of spatial scales. The development of REC has been supported by The Ministry for the Environment (MfE) and various regional councils to provide a spatial framework for environmental monitoring and reporting and river management. Stream order is the numerical position of a tributary or section of a river within the entire network. Headwater streams are assigned a stream order of 1. When two tributaries of the same stream order meet, the order increments by one for the next section downstream. However, if two sections meet where one section has higher order than the other, the next section downstream has the same order as the highest upstream section.

Purpose

A watershed is a polygon that defines the upstream watershed of a river reach.

Supplemental Information

The River Environment Classification User Guide contains a comprehensive guide to the REC databases and uses. Updated in May 2010. ISBN 0-478-18919-2 ME Number 499

Time Period of Content

Time Period Information

Single Date/Time

Calendar Date

2004

Currentness Reference

publication date

Status

Progress

Complete

Maintenance and Update Frequency

None planned

Spatial Domain

Bounding Coordinates

West Bounding Coordinate

166.269043

East Bounding Coordinate

169.436238

North Bounding Coordinate

-44.114039

South Bounding Coordinate

-47.352099

Keywords

Theme

Theme Keyword

River

Theme Keyword

environment

Theme Keyword

classification

Theme Keyword

watershed

Theme Keyword

sub-catchment

Theme Keyword

catchment

Theme Keyword

drainage

Place

Place Keyword

New Zealand

Use Constraints

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Point of Contact

Contact Information

Contact Organization Primary

Contact Organization

Ministry for the Environment

Contact Address

Address Type

physical address

Address

23 Kate Sheppard Place

City

Wellington

Country

New Zealand

Contact Electronic Mail Address

info@mfe.govt.nz

Data Set Credit

Crown Copyright 2004

Native Data Set Environment

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.0.1770

Data Quality Information

Lineage

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Regional Classifications\REC_Auckland.shp.xml

Process Date

20100322

Process Time

09591500

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Auckland.shp.xml

Process Date

20100322

Process Time

10182800

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_BayofPlenty.shp.xml

Process Date

20100322

Process Time

10201300

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Canterbury.shp.xml

Process Date

20100322

Process Time

10315700

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Gisborne.shp.xml

Process Date

20100322

Process Time

10320700

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_HawkesBay.shp.xml

Process Date

20100322

Process Time

10321500

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Manawatu.shp.xml

Process Date

20100322

Process Time

10322700

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Marlborough.shp.xml

Process Date

20100322

Process Time

10325400

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Northland.shp.xml

Process Date

20100322

Process Time

10395900

Process Step

Process Description

Metadata imported.

Source Produced Citation Abbreviation

D:\Data Releases\REC\Watersheds\REC_Watershed_Otago.shp.xml

Process Date

20100322

Process Time

10403600

Spatial Data Organization Information

Direct Spatial Reference Method

Vector

Point and Vector Object Information

SDTS Terms Description

SDTS Point and Vector Object Type

G-polygon

Point and Vector Object Count

81265

Spatial Reference Information

Horizontal Coordinate System Definition

Planar

Map Projection

Map Projection Parameters

Standard Parallel

0.000000

Longitude of Central Meridian

173.000000

Latitude of Projection Origin

-41.000000

False Easting

2510000.000000

False Northing

6023150.000000

Planar Coordinate Information

Planar Coordinate Encoding Method

coordinate pair

Coordinate Representation

Abscissa Resolution

0.000000

Ordinate Resolution

0.000000

Planar Distance Units

meters

Geodetic Model

Horizontal Datum Name

D_New_Zealand_1949

Ellipsoid Name

International_1924

Semi-major Axis

6378388.000000

Denominator of Flattening Ratio

297.000000

Entity and Attribute Information

Detailed Description

Entity Type

Entity Type Label

REC_Watershed_Southland

Attribute

Attribute Label

FID

Attribute Definition

Internal feature number.

Attribute Definition Source

ESRI

Attribute Domain Values

Unrepresentable Domain

Sequential unique whole numbers that are automatically generated.

Attribute

Attribute Label

Shape

Attribute Definition

Feature geometry.

Attribute Definition Source

ESRI

Attribute Domain Values

Unrepresentable Domain

Coordinates defining the features.

Attribute

Attribute Label

AREA

Attribute

Attribute Label

PERIMETER

Attribute

Attribute Label

REACH_ID

Attribute

Attribute Label

NZREACH

Distribution Information

Distributor

Contact Information

Contact Organization Primary

Contact Organization

Koordinates.com

Contact Instructions

<http://koordinates.com>

Resource Description

Downloadable Data

Standard Order Process

Digital Form

Digital Transfer Information

Transfer Size

150.815

Digital Transfer Option

Online Option

Computer Contact Information

Network Address

Network Resource Name

<http://koordinates.com>

Metadata Reference Information

Metadata Date

20100527

Metadata Standard Name

FGDC Content Standards for Digital Geospatial Metadata

Metadata Standard Version

FGDC-STD-001-1998

Metadata Time Convention

local time

Metadata Extensions

Online Linkage

<http://www.esri.com/metadata/esriprof80.html>

Profile Name

ESRI Metadata Profile