



## Land Environments New Zealand (LENZ) - Level 4 Polygons (2009)

### Metadata

#### Identification Information

##### Citation

##### Citation Information

##### Originator

Ministry for the Environment

##### Publication Date

1/12/2002

##### Title

lenz4s

##### Geospatial Data Presentation Form

vector digital data

##### Online Linkage

LENZ Level 4 Polygons.shp

#### Description

##### Abstract

Land Environments of New Zealand (LENZ) is a classification of fifteen climate, landform, and soil variables chosen for their relevance to biological distributions. Classification groups were derived by automatic classification using a multivariate procedure. Four levels of classification detail have been produced from this analysis, containing 20, 100, 200, and 500 groups respectively.

##### Purpose

Detailed descriptions of the input data layers, the methods, and the resulting classification groups are contained in two publications: Leathwick et al. 2003. Land Environments of New Zealand. David Bateman Ltd, Auckland; and Leathwick et al. 2003. LENZ Technical Guide, Ministry for the Environment. This layer is the first with only 20 environments.

##### Supplemental Information

This dataset was converted to Shape file polygons from the native Grid format. Fundamental data layer is interger. Attached attribute table identifies LENZ level IV groups and their average environment.

#### Time Period of Content

##### Time Period Information

##### Single Date/Time

##### Calendar Date

1/1/2000

##### Currentness Reference

publication date

## Status

Progress

Complete

Maintenance and Update Frequency

None planned

## Spatial Domain

Bounding Coordinates

West Bounding Coordinate

166.259164

East Bounding Coordinate

179.484414

North Bounding Coordinate

-34.003027

South Bounding Coordinate

-47.412894

## Keywords

Theme

Theme Keyword

ECOLOGY Landscape Biodiversity

Theme Keyword

ECOLOGY Landscape Classification

## Access Constraints

None

## Use Constraints

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## Point of Contact

Contact Information

Contact Organization Primary

Contact Organization

Ministry for the Environment

Contact Position

Senior Adviser, Geospatial Information

Contact Address

Address Type

physical address

Address

23 Kate Sheppard Place

City

Wellington

Country

New Zealand

Contact Voice Telephone

+64 4 439 7400

Contact Electronic Mail Address

info@mfe.govt.nz

Data Set Credit

John Leathwick, Gareth Wilson, Daniel Rutledge, Peter wardle, Fraser Morgan, Kirsty Johnston, Malcolm McLeod, Russel Kirkpatrick

Native Data Set Environment

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.1.3000

Data Quality Information

Attribute Accuracy

Attribute Accuracy Report

Not Relevant

Logical Consistency Report

Not Relevant

Completeness Report

Complete

Positional Accuracy

Horizontal Positional Accuracy

Horizontal Positional Accuracy Report

No assessment has been made of the additive effects of positional inaccuracies in the data used to define LENZ.

Vertical Positional Accuracy

Vertical Positional Accuracy Report

No assessment has been made of the additive effects of positional inaccuracies in the data used to define LENZ.

Lineage

Process Step

Process Description

Land Environments of New Zealand (LENZ) was derived by combining data from the Land Resource Inventory (LRI) database, thin plate spline surfaces fitted to long-run average climate data from climate stations throughout New Zealand, and a slope layer computed from a 25 meter DEM derived by Landcare Research from 20 m contour data used in the production of NZMS 260 series topographic maps.

Source Produced Citation Abbreviation

D:\Data\_Spatial\LENZ\LENZ Release\LENZ\_Class\LENZLevel1\_Dissolve\_Export

Process Date

20090608

Process Time

13100400

Process Step

Process Description

Dataset copied.

**Source Produced Citation Abbreviation**

D:\Data\_Spatial\LENZ\LENZ Re-release\LENZ\_Class\Working\LENZLevel1\_Dissolve\_Export

**Process Date**

20090608

**Process Time**

13160000

**Process Step**

**Process Description**

Converted to polygons for distribution

**Process Date**

June 2009

**Process Step**

**Process Description**

Metadata imported.

**Source Produced Citation Abbreviation**

D:\Data\_Spatial\LENZ\LENZ Re-release\LENZ\_Class\LENZ Level 1  
Polygons.shp.xml

**Process Date**

20090616

**Process Time**

11563300

**Process Step**

**Process Description**

Metadata imported.

**Source Produced Citation Abbreviation**

D:\Data\_Spatial\LENZ\LENZ Re-release\LENZ\_Class\LENZ Level 2  
Polygons.shp.xml

**Process Date**

20090616

**Process Time**

11574000

**Process Step**

**Process Description**

Metadata imported.

**Source Produced Citation Abbreviation**

D:\Data\_Spatial\LENZ\LENZ Re-release\LENZ\_Class\LENZ Level 3  
Polygons.shp.xml

**Process Date**

20090616

**Process Time**

11583100

## 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

0

## Spatial Reference Information

### Horizontal Coordinate System Definition

#### Planar

##### Map Projection

###### Map Projection Name

New\_Zealand\_Map\_Grid

###### 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

lenz4s

#### 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

VALUE

#### Attribute

##### Attribute Label

LVL\_4

#### Attribute

##### Attribute Label

HECTARES

#### Attribute

##### Attribute Label

ELEVATION

#### Attribute

##### Attribute Label

ANNUAL\_TEM

#### Attribute

##### Attribute Label

MIN\_TEMP

Attribute

Attribute Label

ANNUAL\_SOL

Attribute

Attribute Label

WINTER\_SOL

Attribute

Attribute Label

OCT\_VPD

Attribute

Attribute Label

WAT\_BAL\_RA

Attribute

Attribute Label

WATER\_DEFI

Attribute

Attribute Label

SLOPE

Attribute

Attribute Label

DRAINAGE

Attribute

Attribute Label

AGE

Attribute

Attribute Label

CHEM\_LIMIT

Attribute

Attribute Label

ACID\_SOL\_P

Attribute

Attribute Label

EXCH\_CALC

Attribute

Attribute Label

INDURATION

Attribute

Attribute Label  
PARTICLE\_S

Attribute  
Attribute Label  
ORIG\_FID

## Distribution Information

### Distributor

#### Contact Information

Contact Person Primary  
Contact Organization  
Landcare Research Ltd.

Contact Position  
GIS Technician

#### Contact Address

Address Type  
mailing address

Address  
PB 3127

City  
Hamilton

Postal Code  
2001

Country  
New Zealand

Contact Voice Telephone  
64 7 858 3703

Contact Facsimile Telephone  
64 7 858 4964

Contact Electronic Mail Address  
briggsc@landcare.cri.nz

### Resource Description

Downloadable Data

### Standard Order Process

#### Digital Form

Digital Transfer Information  
Transfer Size  
0.000

#### Digital Transfer Option

Online Option  
Computer Contact Information  
Network Address  
Network Resource Name  
www.koordinates.com



## Distribution Information

### Distributor

#### Contact Information

##### Contact Person Primary

##### Contact Organization

Koordinates.com

##### Contact Electronic Mail Address

ed.korkery@koordinates.com

##### Contact Instructions

This dataset can be downloaded from [www.koordinates.com](http://www.koordinates.com)

## Metadata Reference Information

### Metadata Date

20090629

### Metadata Contact

#### Contact Information

##### Contact Organization Primary

##### Contact Organization

Ministry for the Environment

##### Contact Person

Karl Majorhazi

##### Contact Position

Senior Adviser, Geospatial Information

##### Contact Address

##### Address Type

physical address

##### Address

Environment House

##### Address

23 Kate Sheppard Place

##### City

Wellington

##### Country

New Zealand

##### Contact Voice Telephone

64 4 439 7400

### 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