



## Environmental Limiting Factors (2012)

### Metadata

#### File Identifier

1aade593-43cf-2b6b-29ba-1bdd6a045fc5

#### Language

eng

#### Character Set

##### Character Set Code

utf8

#### Hierarchy Level

##### Scope Code

dataset

#### Hierarchy Level Name

dataset

### Contact

#### Responsible Party

##### Individual Name

Michael Cooper

##### Organisation Name

LUCAS, Ministry for the Environment

##### Position Name

GIS Analyst

#### Contact Info

##### Contact

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##### Address

##### Delivery Point

23 Kate Sheppard Place, PO Box 10362

##### City

Wellington 6143

##### Country

New Zealand

##### Electronic Mail Address

lucas@mfe.govt.nz

#### Role

##### Role Code

distributor

### Date Stamp

**Date**

2012-07-19

**Metadata Standard Name**

ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

**Metadata Standard Version**

1.1

**Reference System Info****Reference System****Reference System Identifier****Identifier****Code**

NZGD2000 / New Zealand Transverse Mercator 2000

**Identification Info****Data Identification****Citation****Citation****Title**

Environmental Limiting Factors

**Date****Date****Date****Abstract**

A spatial dataset identifying a set of environmental conditions that have potential to inhibit growth of newly-established woody vegetation such that it might not reach a 'forest' status (defined as greater than 30% cover of trees of 5 m height) within a 30-40 year timeframe. Inclusions: temperature, moisture availability, edaphic conditions, coastal exposure, and land instability  
Exclusions: herbivory, competition, external gene pools, availability of seed sources and dispersers, and also fire

**Purpose**

This ELF layer is designed to provide a concise evidence source to guide decision making regarding the potential for naturally regenerating species to reach the criteria for Kyoto-compliant forest. Due to the variable quality in the source data used to compile this layer it should only be considered to provide guidance and should not be used as authoritative for forest eligibility/ineligibility under any government scheme.

**Credit**

Manaaki Whenua - Landcare Research

**Status****Progress Code**

completed

**Resource Maintenance****Maintenance Information****Maintenance And Update Frequency****Maintenance Frequency Code**

notPlanned

**Resource Format**

Format

Name

\*.xml

Version

Unknown

Descriptive Keywords

Keywords

Keyword

New Zealand

Type

Keyword Type Code

theme

Thesaurus Name

Citation

Title

ANZLIC Jurisdictions

Date

Edition

Version 2.1

Edition Date

Date

2008-10-29

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-jurisdic.xml#anzlic-jurisdic>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Descriptive Keywords

Keywords

Keyword

LAND-Use

Keyword

FORESTS

Type

Keyword Type Code

theme

Thesaurus Name

Citation

Title  
ANZLIC Search Words

Date

Edition  
Version 2.1

Edition Date  
Date  
2008-05-16

Identifier  
Identifier  
Code  
<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-theme.xml#anzlic-theme>

Cited Responsible Party  
Responsible Party  
Organisation Name  
ANZLIC the Spatial Information Council  
  
Role  
Role Code  
custodian

Resource Constraints

Legal Constraints  
Use Limitation  
Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Access Constraints  
Restriction Code  
license

Resource Constraints

Legal Constraints  
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Spatial Representation Type Code

vector

Language

eng

Character Set

Character Set Code  
utf8

Topic Category Code

environment

Extent

EX \_ Extent

Geographic Element

EX \_ Geographic Description

Identifier

Authority

Citation

Title

ANZMet Lite Country codelist

Date

Edition

Version 1.0

Edition Date

Date

2009-03-31

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-country.xml#Country>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Code

nzl

Extent

EX \_ Extent

Geographic Element

EX \_ Geographic Bounding Box

166.425192291178.578163939-47.2900033098-34.1295656813

Distribution Info

Distribution

Distributor

Distributor

Distributor Contact

Responsible Party

Individual Name

Michael Cooper

Organisation Name

LUCAS, Ministry for the Environment

Position Name

GIS Analyst

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Contact

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23 Kate Sheppard Place, PO Box 10362

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lucas@mfe.govt.nz

Role

Role Code

distributor

Distributor Format

Format

Name

ArcGIS File Geodatabase

Version

ArcGIS 10

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/52374-environmental-limiting-factors-2012/>

Data Quality Info

DQ \_ Data Quality

Scope

DQ \_ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI \_ Lineage

Statement

The approach was to examine the limiting conditions for forests or tall woody vegetation, across the major environmental gradients of temperature, moisture availability, edaphic conditions, coastal exposure, and land instability. Soils and underlying geology are generally surrogates for major thresholds in these factors. These factors are inevitably mixed so, for simplicity, they have been examined one by one and reproducible conditions defined for each environmental factor. These conditions have been matched against pre-existing databases of soil, climate, topography and land cover to produce a spatial layer of environmentally limiting factors for forest growth (ELF). Note that biotic considerations such as herbivory, competition, external gene pools, availability of seed sources and dispersers, and also fire are excluded.

**Metadata Constraints**

**Legal Constraints**

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