



Anomaly PED, 2013/14–2015/16

Metadata

File Identifier

AC17/084

Language

eng

Character Set

Character Set Code

utf8

Hierarchy Level

Scope Code

dataset

Hierarchy Level Name

dataset

Contact

Responsible Party

Organisation Name

Environmental Reporting, Ministry for the Environment and Statistics New Zealand

Position Name

Analyst

Contact Info

Contact

Address

Address

Delivery Point

23 Kate Sheppard Place, PO Box 10362

City

Wellington 6143

Country

New Zealand

Electronic Mail Address

Environmental.Reporting@mfe.govt.nz

Role

Role Code
distributor

Date Stamp

Date
2017-10-13

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
NZGD49 / New Zealand Map Grid

Identification Info

Data Identification

Citation
Citation
Title
Anomaly PED, 2013/14–2015/16
Date

Abstract

Potential evapotranspiration deficit (PED) can be thought of as a drought index. It is the difference between how much water could potentially be lost from the soil through evapotranspiration and how much is actually available. When PED is high, plants do not have the full amount of water available they need for growth. As our climate changes, increasing temperatures and rainfall pattern changes are expected to increase PED, and the frequency and intensity of drought, particularly in currently drought-prone regions. More information on this dataset and how it relates to our environmental reporting indicators and topics can be found in the attached data quality pdf.

Status

Progress Code
completed

Point Of Contact

Responsible Party
Organisation Name
Environmental Reporting, Ministry for the Environment and Statistics New Zealand

Position Name

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Role

Role Code

distributor

Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

irregular

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

| CLIMATE-AND-WEATHER-Drought

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

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Access Constraints

Restriction Code

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Restriction Code

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Spatial Representation Type Code

grid

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

Data Quality Info

DQ _ Data Quality

Scope

DQ _ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI _ Lineage

Statement

Source: NIWA Method: NIWA interpolated daily Virtual Climate Station Network (VCSN) data for rainfall and potential evapotranspiration to create a regular 500m resolution grid of average annual PED for each growing year (NIWA, nd). PED anomaly is the difference between the most recent three-year average PED for 2013/14–2015/16 and the 30-year PED climate normal (1981/82–2010/11 average) VCSN interpolations. Using a three-year average accounts for inter-annual variability while providing information on recent conditions.

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