



## Monthly mean primary productivity (1997–2016)

### Metadata

#### File Identifier

21be6661-f3ad-d359-3e28-c54e46c03beb

#### 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

2016-10-24

## 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

2193

## Identification Info

### Data Identification

#### Citation

##### Citation

##### Title

Monthly mean primary productivity (1997-2016)

##### Date

### Abstract

The average concentration of chlorophyll-a (chl-a) in phytoplankton over the period 1997 to February 2016. Concentrations of chl-a in phytoplankton are used to assess primary productivity in our oceans. Phytoplankton are primary producers of biomass (mass of living organisms) and form the main basis of marine food chains. They use the chl-a pigment to capture the sun's energy through the process of photosynthesis. Phytoplankton growth is affected by the availability of nutrients and light, which in turn are affected by the structure of the surface water column. The surface water column structure is affected by oceanographic and climate processes; large-scale changes to climate and oceanographic conditions can lead to changes in phytoplankton growth and chl-a concentrations.

### 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

MARINE

#### Keyword

MARINE-Biology

#### Keyword

FAUNA-Vertebrates

#### Keyword

ECOLOGY-Habitat

#### Keyword

BOUNDARIES

### 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

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Use Limitation

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Restriction Code

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Restriction Code

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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

157.021328158-167.024629596-57.5121843068-23.9957073089

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/53472-monthly-mean-primary-productivity-19972016/>

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: Data are based on measurements from the SeaWiFS and MODIS-Aqua satellite ocean colour sensors. Anomalies are where chlorophyll-a concentrations deviated from the long-term (1997-2014) mean (Pinkerton, 2016). Primary productivity anomalies are inferred from observed changes in near-surface concentrations of chlorophyll-a (chl-a) for five selected regions over time: the New Zealand exclusive economic zone (EEZ) as a whole, the Chatham Rise, northern subtropical waters, subantarctic waters, and the Tasman Sea.

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