



Water clarity, 1989–2013

Metadata

File Identifier

64f91e98-a96d-c963-7d21-380f64970b50

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
2016-01-21

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
Water clarity, 1989–2013
Date

Abstract

"Water clarity is a measure of underwater visibility in rivers and streams and can vary due to differences in land use, climate, elevation, and geology. Water clarity can be reduced by the presence of fine particles like silt, mud or organic material in the water. This affects the habitat and feeding of aquatic life like fish and aquatic birds. Water clarity is an important indicator of the health of a waterway, and is also a consideration for recreational activities like swimming and wading. This dataset relates to the ""Geographic pattern of river water clarity"" measure on the Environmental Indicators, Te taiao Aotearoa website. "

Status

Progress Code
completed

Point Of Contact

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Role

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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
| WATER

| Keyword
| WATER-Quality

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

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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

167.534694771177.881584208-46.3894482934-35.2744930255

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

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; regional councils Method: "Water clarity is measured using a black disc the size of a soccer ball. The disc is placed in the water, and viewed through an underwater viewing box at increasing distances until the black disc disappears from sight. This provides a consistent measure of the greatest distance an object can be seen through the water (Davies–Colley, 1988). Estimates of median clarity across New Zealand is based on water clarity measurements from 377 river sites monitored by the 16 regional councils and 77 sites along 35 major rivers measured by the National Institute of Water and Atmospheric Research (NIWA). There is considerable natural variability in water clarity throughout New Zealand. 'Trigger values' help determine the point when further investigation is needed to see if there is an ecosystem health problem related to water quality. Lowland river measurement sites have been given a trigger value of 0.6 metres. Upland river measurement sites have been given a trigger value of 0.8 metres (ANZECC 2000). National water clarity is inferred from the predominant land cover in a catchment and the surrounding land–scape characteristics, such as, climate, elevation, and geology. The accuracy of the data source is of medium quality. Reference: Davies–Colley, RJ (1988). Measuring water clarity with a black disc. *Limnology and Oceanography*, 33(4), 616–623. Accessed 18 August 2015 from www.horizons.govt.nz. "

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