



## Location and extent of NZ's aquifers, 2015

### Metadata

#### File Identifier

17b1b6a7-c000-0cea-e431-e4a16c2fb6a2

#### 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

## Identification Info

### Data Identification

#### Citation

##### Citation

##### Title

Location and extent of NZ's aquifers, 2015

##### Date

### Abstract

"A unit of rock or sediment is called an aquifer when it can yield a usable quantity of water. Aquifers may occur at different depths in the same location. The map shows the areas of New Zealand's land surface above one or more aquifers. The aquifer boundaries were described by White (2001), and some boundaries were updated by Moreau and Bekele (2015), using information provided by regional councils and from Lovett and Cameron (2015). The map has 153 polygons (aquifer outlines), some of which have more than one aquifer. Methods for defining aquifer boundaries generally rely on knowing the locations and characteristics of productive wells, and using geological maps to identify water-bearing materials. In many cases, these boundaries are also influenced by management attributes such as regional or property boundaries, and surface water catchments (Lovett & Cameron, 2015). This dataset relates to the "Location and area of New Zealand's aquifers" measure on the Environmental Indicators, Te taiao Aotearoa website. "

### Status

#### Progress Code

completed

### Point Of Contact

#### Responsible Party

##### Organisation Name

Environmental Reporting, Ministry for the Environment and Statistics New Zealand

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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

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Resource Constraints

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copyright

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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

167.240577784178.549847541-46.6028020764-34.5132563992

Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/52675-location-and-extent-of-nzs-aquifers-2015/>

Data Quality Info

DQ\_ Data Quality

Scope

DQ\_ Scope

Level

Scope Code

dataset

Level Description

Scope Description

Other

dataset

Lineage

LI\_ Lineage

Statement

Source: GNS Science Method: "The map shows a two dimensional projection of New Zealand's aquifers. Locations on the land surface within a polygon are above an identified aquifer. In reality, aquifers are three dimensional and separate aquifers may occur in the same location but be at different depths. The aquifer extents were described by White (2001), and some boundaries were updated by Moreau and Bekele (2015) using information provided by regional councils and with information from Lovett and Cameron (2015). The resulting map consists of 153 polygons (outlines), although some polygons include more the one aquifer. Methods for development of aquifer boundaries generally rely on knowledge of productive well locations, associated hydraulic characteristics, and use of geological maps to identify water bearing materials. In many cases these boundaries have also been influenced by management attributes (e.g. regional boundaries, property boundaries and surface water catchments (Lovett and Cameron, 2015)). Accuracy is limited by the scale at which the mapping was undertaken, inconsistent approaches to delineating aquifer boundaries between regions and limited knowledge in some areas. The accuracy of the data source is of medium quality. References: Lovett, AP & Cameron, SG (2015). Development of a national groundwater atlas for New Zealand. Unpublished document. GNS Science Report 2014/30. Moreau, M & Bekele, M (2015). Groundwater component of the Water Physical Stock Account. GNS Science Consultancy Report 2014/290. White, PA (2001). Groundwater resources in New Zealand. In Rosen, MR & White, PA (Eds), Groundwaters of New Zealand (pp45-75). Wellington: New Zealand Hydrological Society. "

Metadata Constraints

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