



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

### Metadata

#### File Identifier

d1f23714-7983-cc3b-110a-05786a3aa8b5

#### 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**

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

**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

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

**Resource Constraints**

**Legal Constraints**

**Use Limitation**

Creative Commons Attribution 3.0

**Use Constraints**

**Restriction Code**

copyright

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

Use Constraints  
Restriction Code  
license

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	
	<a href="https://data.mfe.govt.nz/layer/52675-location-and-extent-of-nzs-aquifers-2015/">https://data.mfe.govt.nz/layer/52675-location-and-extent-of-nzs-aquifers-2015/</a>
Data Quality Info	
DQ _ Data Quality	
Scope	
DQ _ Scope	
Level	
Scope Code	
dataset	
Level Description	
Scope Description	
Other	
dataset	
Lineage	
LI _ Lineage	
Statement	<p>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 than 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 &amp; Cameron, SG (2015). Development of a national groundwater atlas for New Zealand. Unpublished document. GNS Science Report 2014/30. Moreau, M &amp; 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 &amp; White, PA (Eds), Groundwaters of New Zealand (pp45–75). Wellington: New Zealand Hydrological Society. "</p>
Metadata Constraints	
Legal Constraints	
Use Limitation	<p>Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment</p>
Access Constraints	
Restriction Code	
license	
Metadata Constraints	
Legal Constraints	
Use Limitation	<p>Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment</p>
Use Constraints	

			Restriction Code
			license