Ministry for the Environment
Manatū Mō Te Taiao

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

Access Constraints
Restriction Code
license

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

Use Constraints

Restriction Code

license