

ATA_GeoMAP_sources_poly

Shapefile



Tags

Antarctica, geology, geomorphology, bibliography

Summary

Spatially represents the coverage of geological maps used in the compilation of the GeoMAP geological database. A selection of key maps, as polygon outlines with data providing links to original bibliographic source, that have been useful to the GeoMAP team (as at Jan 2018). Showing the majority of, but not necessarily all, geological maps available for Antarctica. The mapping frame within which the features have been observed is defined as the earth surface.

Description

This dataset is a geological map bibliography for Antarctica. It was produced by GNS Science in conjunction with partners in the GeoMAP project. It represents the sources referred to in the classification of geological map polygons. The dataset is stored in an ESRI vector geodatabase and exported to shapefile for Quantarctica v3.1. The dataset comprises polygons with each having attributes describing the source's authors, title, publication, year, program and scale of publication. The data structure complies with the GeoSciML 4.1 standard where relevant and uses the relevant CGI Controlled Vocabularies.

Credits

Cox, S.C., Smith Lyttle, B. 2018

Use limitations

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Extent

West	-180.000000	East	180.000000
North	-50.195484	South	-90.000000

Scale Range

Maximum (zoomed in) 1:50,000

Minimum (zoomed out) 1:1,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE geoscientificInformation

* CONTENT TYPE Downloadable Data

PLACE KEYWORDS Antarctica

THEME KEYWORDS geology, geomorphology, bibliography

Hide Topics and Keywords ▲

Citation ►

* TITLE ATA_GeoMAP_sources_poly

CREATION DATE 2018-02-27 00:00:00

PRESENTATION FORMATS digital map

OTHER CITATION DETAILS

SCAR GeoMAP Action Group and GNS Science, Lower Hutt, New Zealand.

Hide Citation ▲

Resource Details ►

DATASET LANGUAGES English (NEW ZEALAND)

STATUS completed

SPATIAL REPRESENTATION TYPE * vector

SPATIAL RESOLUTION

DATASET'S SCALE

SCALE DENOMINATOR 100000

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.1.7333

CREDITS

Cox, S.C., Smith Lyttle, B. 2018

ARCGIS ITEM PROPERTIES

* NAME ATA_GeoMAP_sources_poly

* SIZE 0.170

* LOCATION file://

\\..\..\Antarctic\GeoMAP\GIS\shapefiles\forQuantarctica_20180228

\ATA_GeoMAP_sources_poly.shp

* ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -180.000000
 * EAST LONGITUDE 180.000000
 * NORTH LATITUDE -50.195484
 * SOUTH LATITUDE -90.000000
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -3066449.303300
 * EAST LONGITUDE 2649710.551100
 * SOUTH LATITUDE -2672271.651000
 * NORTH LATITUDE 3294285.551400
 * EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Simon Cox
 ORGANIZATION'S NAME GNS Science
 CONTACT'S ROLE custodian

CONTACT INFORMATION ►

ADDRESS

TYPE

DELIVERY POINT Private Bag 1930

CITY Dunedin

POSTAL CODE 9054

COUNTRY NZ

E-MAIL ADDRESS s.cox@gns.cri.nz

Hide Contact information ▲

POINT OF CONTACT

INDIVIDUAL'S NAME Belinda Smith Lyttle
 ORGANIZATION'S NAME GNS Science
 CONTACT'S ROLE custodian

CONTACT INFORMATION ►

ADDRESS

TYPE

E-MAIL ADDRESS b.smith.lyttle@gns.cri.nz

Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Hide Resource Maintenance ▲

Resource Constraints ►

CONSTRAINTS**LIMITATIONS OF USE**

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[Hide Resource Constraints ▲](#)

Spatial Reference ►**ARCGIS COORDINATE SYSTEM**

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
- * PROJECTION WGS_1984_Antarctic_Polar_Stereographic
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 3031
 X ORIGIN -30636100
 Y ORIGIN -30636100
 XY SCALE 147003033.26371488
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.001
 Z TOLERANCE 0.001
 M TOLERANCE 0.001
 HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3031

WELL-KNOWN TEXT PROJCS["WGS_1984_Antarctic_Polar_Stereographic",GEOGCS ["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID ["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT ["Degree",0.0174532925199433]],PROJECTION ["Stereographic_South_Pole"],PARAMETER["False_Easting",0.0],PARAMETER ["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER ["Standard_Parallel_1",-71.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3031]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 3031
- * CODESPACE EPSG
- * VERSION 6.7(9.0.0)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►**VECTOR ►**

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME ATA_GeoMAP_sources_poly

* OBJECT TYPE composite

* OBJECT COUNT 378

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME ATA_GeoMAP_sources_poly

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 378

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)[Hide Spatial Data Properties ▲](#)**Lineage** ▶

LINEAGE STATEMENT

Existing geological maps are scanned from best available hardcopy map. The resulting digital geological map rasters are georeferenced using ESRI ArcGIS software. The extent of the digital geological map is captured as polygon vector data. The GIS operator records publication details as attributes in the ATA_sources_poly layer.

[Hide Lineage ▲](#)**Distribution** ▶

DISTRIBUTION FORMAT

* NAME Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 0.170

[Hide Distribution ▲](#)**Fields** ▶

DETAILS FOR OBJECT ATA_GeoMAP_sources_poly ▶

* TYPE Feature Class

* ROW COUNT 378

FIELD FID ▶

* ALIAS FID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

FIELD SHAPE ►

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field SHAPE ▲

FIELD OBJECTID_1 ►

- * ALIAS OBJECTID_1
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

Hide Field OBJECTID_1 ▲

FIELD IDENTIFIER ►

- * ALIAS IDENTIFIER
- * DATA TYPE String
- * WIDTH 64
- * PRECISION 0
- * SCALE 0

Hide Field IDENTIFIER ▲

FIELD TITLE ►

- * ALIAS TITLE
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

Hide Field TITLE ▲

FIELD AUTHORS ►

- * ALIAS AUTHORS
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

[Hide Field AUTHORS ▲](#)

FIELD PUBLICATIO ►

- * ALIAS PUBLICATIO
- * DATA TYPE String
- * WIDTH 64
- * PRECISION 0
- * SCALE 0

[Hide Field PUBLICATIO ▲](#)

FIELD INSTITUTIO ►

- * ALIAS INSTITUTIO
- * DATA TYPE String
- * WIDTH 64
- * PRECISION 0
- * SCALE 0

[Hide Field INSTITUTIO ▲](#)

FIELD SCALE ►

- * ALIAS SCALE
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field SCALE ▲](#)

FIELD YEAR ►

- * ALIAS YEAR
- * DATA TYPE Integer
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

[Hide Field YEAR ▲](#)

FIELD NZBIB ►

- * ALIAS NZBIB
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field NZBIB ▲](#)

FIELD ANTBIB ►

- * ALIAS ANTBIB
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field ANTBIB ▲](#)

FIELD TYPE ▶

- * ALIAS TYPE
- * DATA TYPE String
- * WIDTH 32
- * PRECISION 0
- * SCALE 0

Hide Field TYPE ▲

FIELD SHAPE_Area ▶

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Hide Field SHAPE_Area ▲

FIELD Shape_Leng ▶

- * ALIAS Shape_Leng
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

Hide Field Shape_Leng ▲

FIELD NATPROG ▶

- * ALIAS NATPROG
- * DATA TYPE String
- * WIDTH 150
- * PRECISION 0
- * SCALE 0

Hide Field NATPROG ▲

Hide Details for object ATA_GeoMAP_sources_poly ▲

Hide Fields ▲

Metadata Details ▶

METADATA LANGUAGE English (NEW ZEALAND)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 62BBFC57-D173-4724-8EAE-0C6ACB8A33F1
PARENT IDENTIFIER B131E51A-E1DD-482E-8FE7-51B21D0A909A

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2018-03-02

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2017-03-31 08:48:37
LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-03-02 10:01:49

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2018-03-02 10:01:49

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME GMNZ Data Manager
ORGANIZATION'S NAME GNS Science
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CONTACT INFORMATION ►

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Hide Contact information ▲

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼