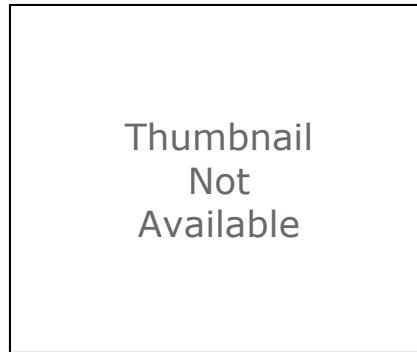


## CentralAsia\_thickness



### Tags

drill holes, potash thickness, potash occurrences, geoscientificInformation

### Summary

CentralAsia\_thickness -- Spatial database of thickness of rock containing potash mineralization from drill holes and occurrences in the Central Asia Jurassic Salt Basin in Turkmenistan and Uzbekistan. The spatial database was created for use in a geographic information system (GIS) as part of a global potash resource assessment by the U.S. Geological Survey.

### Description

The Central Asia Salt Basin is a major Jurassic evaporite basin spanning five countries from Iran to Tajikistan. It was split into two parts during the Miocene and contains a significant portion of the world's potash resources. A mineral resource assessment of undiscovered potash resources in stratabound and halokinetic salt structures was completed for the Central Asian Salt Basin as part of a larger U.S. Geological Survey global mineral resources assessment. The purpose of the study was to (1) delineate permissive areas (tracts) for undiscovered potash deposits at a scale of 1:1,000,000; (2) provide a database of known potash deposits and significant prospects; (3) estimate numbers of undiscovered deposits within those permissive tracts; and (4) provide probabilistic estimates for halokinetic and hybrid zones, and volume calculations for hybrid and stratabound zones, of the amounts of potentially recoverable potash that could be contained in undiscovered deposits for each permissive tract. Three spatial databases describe potash deposits, permissive tracts, and thickness of potash mineralization in the Central Asia Jurassic Salt Basin. These data were used to assess the area for potash resources. Results of the assessment are provided in the spatial database CentralAsia\_tracts. Deposit data are provided in CentralAsia\_deposits, and thickness data are in CentralAsia\_thickness. All databases are stored as feature classes in the Esri file geodatabase (FGDB)

CentralAsia\_potash.gdb. Preferred reference: Wynn, Jeff, Orris, G.J., Dunlap, Pamela, Cocker, M.D., and Bliss, J.D., 2016, Geology and undiscovered resource assessment of the potash-bearing Central Asia Salt Basin, Turkmenistan, Uzbekistan, Tajikistan, and Afghanistan: U.S. Geological Survey Scientific Investigations Report SIR 2010-5090-AA, 106 p., and spatial data, <http://dx.doi.org/10.3133/sir20105090AA>.

## Credits

Greta J. Orris acquired the data from various sources, interpreted and identified thickness values for potash-bearing units, and compiled the data into a single spreadsheet as tabular data. Pamela Dunlap converted the data from a spreadsheet format to a spatial database (Esri file geodatabase feature class of points), wrote metadata, and prepared the digital data for publication.

## Use limitations

None. The U.S. Geological Survey (USGS) provides these geographic data "as is." The USGS makes no guarantee or warranty concerning the accuracy of information contained in the geographic data. The USGS further makes no warranties, either expressed or implied as to any other matter whatsoever, including, without limitation, the condition of the product, or its fitness for any particular purpose. The burden for determining fitness for use lies entirely with the user. Although these data have been processed successfully on computers of the USGS, no warranty, expressed or implied, is made by the USGS regarding the use of these data on any other system, nor does the fact of distribution constitute or imply such warranty.

## Extent

There is no extent for this item.

## Scale Range

**Maximum (zoomed in)** 1:5,000

**Minimum (zoomed out)** 1:150,000,000

## ArcGIS Metadata ►

### Citation ►

TITLE CentralAsia\_thickness

*Hide Citation ▲*

### Resource Details ►

#### CREDITS

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*Hide Resource Details ▲*

### Resource Constraints ►

## CONSTRAINTS

### LIMITATIONS OF USE

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*Hide Resource Constraints ▲*

## Fields ►

### DETAILS FOR OBJECT **CentralAsia\_thickness** ►

#### DEFINITION

ESRI File Geodatabase Feature Class of thickness values from potash occurrence and drill-hole data.

#### FIELD **OBJECTID** ►

##### FIELD DESCRIPTION

Internal feature number.

##### DESCRIPTION SOURCE

ESRI

##### DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

*Hide Field OBJECTID ▲*

#### FIELD **Shape** ►

##### FIELD DESCRIPTION

Feature geometry.

##### DESCRIPTION SOURCE

ESRI

##### DESCRIPTION OF VALUES

Coordinates defining the features.

*Hide Field Shape ▲*

FIELD **LATITUDE** ►

FIELD DESCRIPTION

**LATITUDE** -- Latitude; positive value represents latitude north of the equator.

RANGE OF VALUES

UNITS OF MEASURE    decimal degrees

*Hide Field LATITUDE ▲*

FIELD **LONGITUDE** ►

FIELD DESCRIPTION

**LONGITUDE** -- Longitude; positive value represents longitude east of the Greenwich meridian.

RANGE OF VALUES

UNITS OF MEASURE    decimal degrees

*Hide Field LONGITUDE ▲*

FIELD **THICK\_M** ►

FIELD DESCRIPTION

**THICKNESS** in METERS -- Total thickness of potash-bearing intercept.

RANGE OF VALUES

MINIMUM VALUE    0

MAXIMUM VALUE    63

UNITS OF MEASURE    meters

*Hide Field THICK\_M ▲*

FIELD **SITE\_NAME** ►

FIELD DESCRIPTION

**SITE NAME** -- Site name.

*Hide Field SITE\_NAME ▲*

FIELD **SITE\_TYPE** ►

FIELD DESCRIPTION

**SITE TYPE** -- Descriptive term for type of site.

LIST OF VALUES

VALUE    drill hole

VALUE    occurrence

*Hide Field SITE\_TYPE ▲*

FIELD SHORT\_REFS ►

FIELD DESCRIPTION

SHORT REFERENCES -- Abbreviated citations(s) for source reference(s) used in compiling the data; multiple citations are delimited by commas. Full references are listed in the report.

*Hide Field SHORT\_REFS ▲*

*Hide Details for object CentralAsia\_thickness ▲*

*Hide Fields ▲*

## Metadata Details ►

SCOPE OF THE DATA DESCRIBED BY THE METADATA    dataset

ARCGIS METADATA PROPERTIES

METADATA FORMAT    ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA    FGDC

LAST MODIFIED IN ARCGIS FOR THE ITEM    2016-02-10    14:36:04

*Hide Metadata Details ▲*

## FGDC Metadata (read-only) ▼