

MDRU_Bordet_OotsaLake_G_Geology

Shapefile



Tags

geology, British Columbia, Ootsa Lake Group, Nechako Plateau, mapping, volcanism

Summary

Geologic compilation and interpretation for the Ootsa Lake Group, related to the PhD project of Esther Bordet (MDRU). Refer to E. Bordet (2014) thesis and Geoscience BC reports for details about the full database.

Description

Geologic units for the Ootsa Lake Group. All map units within the Eocene sequence are defined based on field mapping, petrography, geochemistry, and geochronology work. Original compilation of previous work and current interpretation by Esther Bordet, of the Mineral Deposit Research Unit (MDRU) conducted for her PhD project work between 2010-2013 in support of the "Nature, Distribution, Thickness and Regional Structural Framework of Eocene Volcanic Centres in Nechako Basin, south-central British Columbia" Project. Sponsor: Geoscience BC.

Considerable effort has been made to produce data that are free from error, and delivered in complete form, but we recognize that data may change over time as further work is conducted. Data are subject to change and revision without prior notification. These data have been processed and saved by users at MDRU using ESRI ArcGIS or other industry-standard software packages, including third-party software compatibility utilities. Data are provided without warranty, including warranty for compatibility with any and all software packages, when aggregated with other spatial data, or fitness for a particular purpose specified by the end user. The end user assumes all risk for using these data for a particular purpose.

Credits

E. Bordet (2014)

Use limitations

There are no access and use limitations for this item.

Extent

West	-124.330814	East	-122.971703
North	53.129200	South	52.498673

Scale Range

Maximum (zoomed in) 1:50,000

Minimum (zoomed out) 1:500,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE geoscientificInformation

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE MDRU_Bordet_OotsaLake_G_Geology

ALTERNATE TITLES Bordet, E., 2014, Digital geologic units mapped and interpreted within the Ootsa Lake Group

CREATION DATE 2014-05-01 00:00:00

PUBLICATION DATE 2016-06-22 00:00:00

PRESENTATION FORMATS digital document

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS

Original publication in Bordet (2014), PhD thesis and accompanying data files. Revised and re-released by MDRU, 2016.

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

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ORGANIZATION'S NAME Yukon Geological Survey

CONTACT'S POSITION Project Geologist

CONTACT'S ROLE author

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 CONTACT'S POSITION GIS Specialist
 CONTACT'S ROLE distributor

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 E-MAIL ADDRESS sjenkins@eos.ubc.ca

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Hide Citation Contacts ▲

Resource Details ►

DATASET LANGUAGES * English (CANADA)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.0.3348

CREDITS

E. Bordet (2014)

ARCGIS ITEM PROPERTIES

* NAME MDRU_Bordet_OotsaLake_G_Geology
 * SIZE 0.156
 * LOCATION file:///\\SARAJENKINS-PC\C\$\A_MDRU_Projects\OtherProjects\Eocene\MAP 2016
 \Final_GIS\SHP\MDRU_Bordet_OotsaLake_G_Geology.shp
 * ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT

DESCRIPTION

Ootsa Lake Group, Nechako Plateau, British Columbia, Canada

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -124.330814
 * EAST LONGITUDE -122.971703

* NORTH LATITUDE 53.129200
 * SOUTH LATITUDE 52.498673
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 410942.301395
 * EAST LONGITUDE 501893.360360
 * SOUTH LATITUDE 5817313.347591
 * NORTH LATITUDE 5886643.075136
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

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[Hide Resource Points of Contact ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION NAD_1983_UTM_Zone_10N
- * COORDINATE REFERENCE DETAILS
 - PROJECTED COORDINATE SYSTEM
 - WELL-KNOWN IDENTIFIER 26910
 - X ORIGIN -5120900
 - Y ORIGIN -9998100
 - XY SCALE 450445547.3910538
 - 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 26910
 - WELL-KNOWN TEXT PROJCS["NAD_1983_UTM_Zone_10N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-123.0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26910]]

REFERENCE SYSTEM IDENTIFIER

- DIMENSION horizontal
- * VALUE 26910
- * CODESPACE EPSG
- * VERSION 8.1.1

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME MDRU_Bordet_OotsaLake_G_Geology
- * OBJECT TYPE composite
- * OBJECT COUNT 111

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME MDRU_Bordet_OotsaLake_G_Geology
- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE

* FEATURE COUNT 111
 * SPATIAL INDEX TRUE
 * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►
 RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

All map units within the Eocene sequence are defined based on field mapping, petrography, geochemistry, and geochronology work conducted by Esther Bordet during the period 2010-2013. For full unit descriptions, see Bordet, E., 2014, Eocene volcanic response to the tectonic evolution of the Canadian Cordillera, PhD thesis, The University of British Columbia, 488 p.

Sources of original geologic information:

1. Tipper, H.W., 1959, Geology, Quesnel, Cariboo District, British Columbia: Geological Survey of Canada, Map 12-1959, scale 1:253,440, and Tipper, H.W., 1969, Geology, Anahim Lake, British Columbia: Geological Survey of Canada, Map 1202A, scale 1:253,440.
2. Massey, N.W.D., MacIntyre, D.G., Desjardins, P.J., and Cooney, R.T., 2005, Digital geology map of British Columbia: whole province: BC Ministry of Energy and Mines, GeoFile 2005-1.
3. Metcalfe, P., Richards, T.A., Villeneuve, M.E., White, J.M and Hickson, C.J. 1997. Physical and chemical volcanology of the Eocene Mount Clisbako volcano, central British Columbia. Geological Survey of Canada, Paper 1997-2, Open File 3448, 32 p.
4. Mihalynuk, M.G., Peat, C.R., Orovan, E.A., Terhune, K., Ferby, T., and McKeown, M.A., 2008, Chezacut Area Geology (NTS 093C/08): BC Ministry of Energy and Mines, Open File 2008-2, scale 1:50,000, and Mihalynuk, M.G., Orovan, E.A., Larocque, J.P., Bachiou, T., and Wardle, J., 2009, Geology of the Chilanko Forks and Southern Clusko River map areas (NTS 093C/01 & 09) south: BC Ministry of Energy and Mines, Open File 2009-6, scale 1:50,000.
5. Dohaney, J., Joseph, J.M.R., and Andrews, G.D.M., 2010 Interactive bibliography and database fo the Chilcotin Group basalts (NTS 82E, L, M; 83D; 92H, I, J, O, P; 93A, B, C, F, G, J, K, L), south-central British Columbia: Geological Survey of Canada, Open File 6286.

[Hide Lineage ▲](#)

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2016-06-03 16:15:02

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Analysis

Tools.tbx\Clip**COMMAND ISSUED**

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Clip "Geology Polygons\BordetEOC_G_Geology_2014_Upd160602" "Cultural &
Admin\BordetEOC_A_MapAOI_2016" "C:\A_MDRU_Projects\OtherProjects\Eocene\MAP
2016\Data_Vector\BordetEOC_G_Geology_2014_Upd160603.shp" #
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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS**PROCESS NAME**

DATE 2016-06-06 16:22:10

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Conversion
Tools.tbx\FeatureClassToFeatureClass

COMMAND ISSUED

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\Data_Vector\BordetEOC_G_Geology_2014_Upd160603.shp"
"C:\A_MDRU_Projects\OtherProjects\Eocene\MAP 2016
\BordetEOC_OotsaLakeGroup_2016.gdb\Geology" BordetEOC_G_Geology_2014_Upd160606
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18 ,First,#,C:\A_MDRU_Projects\OtherProjects\Eocene\MAP 2016
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18 ,First,#,C:\A_MDRU_Projects\OtherProjects\Eocene\MAP 2016
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"Area_km2" true true false 19 Double 0
0 ,First,#,C:\A_MDRU_Projects\OtherProjects\Eocene\MAP 2016
\Data_Vector\BordetEOC_G_Geology_2014_Upd160603.shp,Area_km2,-1,-1" #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

Hide Geoprocessing history ▲

Distribution ►**DISTRIBUTION FORMAT**

* **NAME** Shapefile

VERSION 10.2.2

TRANSFER OPTIONS

* TRANSFER SIZE 0.156

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [MDRU_Bordet_OotsaLake_G_Geology ►](#)

* TYPE Feature Class

* ROW COUNT 111

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 [OBJECTID ►](#)

* ALIAS OBJECTID

* DATA TYPE Integer

* WIDTH 9

* PRECISION 9

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID ▲](#)

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 Comment ►

* ALIAS Comment
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

Hide Field Comment ▲

FIELD Litho2_cod ►

* ALIAS Litho2_cod
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

Hide Field Litho2_cod ▲

FIELD Lithology2 ►

* ALIAS Lithology2
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

Hide Field Lithology2 ▲

FIELD UNIT_FINAL ►

* ALIAS UNIT_FINAL
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

Hide Field UNIT_FINAL ▲

FIELD UNIT_FINA1 ►

* ALIAS UNIT_FINA1
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

[Hide Field UNIT_FINA1 ▲](#)

FIELD Shape_Leng ►

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

[Hide Field Shape_Leng ▲](#)

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 ▲](#)

[Hide Details for object MDRU_Bordet_OotsaLake_G_Geology ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

- * METADATA LANGUAGE English (CANADA)
- * METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER D444590D-86B6-40D2-BFDD-225F2223CDC9
FUNCTION OF THE RESOURCE information

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

* LAST UPDATE 2016-06-22

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE North American Profile of ISO19115 2003
STANDARD OR PROFILE USED TO EDIT METADATA NAP

CREATED IN ARCGIS FOR THE ITEM 2016-06-21 18:22:10

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-06-22 85:54:00

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2016-06-22 08:39:20

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

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CONTACT'S POSITION Project Geologist

CONTACT'S ROLE author

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INDIVIDUAL'S NAME Sara Jenkins

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Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Metadata Maintenance ▲](#)**Thumbnail and Enclosures ►**

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)**FGDC Metadata (read-only) ▼**