

## Geoscience BC Report 2013-05

### Iskut River Area Geology, Northwest BC (104B/08, 09, 10 & part of 104B/01, 07, 11)

This report consists of three 1:50,000 scale maps (104B/08 and part of 104B/01 & 07, 104B/09, 104B/10 and part of 104B/11) that were originally mapped as part of the 1989-1993 Mineral Deposit Research Unit’s (MDRU) “Metallogenesis of the Iskut River Area, Northwestern British Columbia” project. The maps were previously released in Lewis, Toma and Tosdal (2001)<sup>1</sup> as PDF files and the geological data were released as CAD linework. This project involved cleaning and converting the geological data into GIS format for better visualization and integration with other datasets, and reproducing the three maps using appropriate geological symbology.

Below is a list of the maps and datasets included in this report. Also included is the accompanying notes for the maps, which was originally published as chapter 6 in Lewis, Toma and Tosdal (2001)<sup>1</sup>.

#### Maps and Notes (PDF)

Geoscience BC Map 2013-05-1, Iskut River Area Geology (104B/08 and part of 104B/01, 07)  
 Geoscience BC Map 2013-05-2, Iskut River Area Geology (104B/09)  
 Geoscience BC Map 2013-05-3, Iskut River Area Geology (104B/10 and part of 104B/11)  
 Iskut River Area Geology, Geological Legend  
 Chapter 6, *Geological Maps of the Iskut River Area*, from Lewis, Toma and Tosdal (2001)<sup>1</sup>

#### Datasets (shapefiles)

<u>File name</u>	<u>Description</u>
Iskut_structure_points.shp	Structural point features
Iskut_structure_lines.shp	Structural line features
Iskut_contacts.shp	Stratigraphic or intrusive contacts
Iskut_faults.shp	Faults
Iskut_mapping_limit.shp	Limit of mapping
Iskut_stratigraphic_detail_change.shp	Change in level of stratigraphic detail
Iskut_geology_units.shp	Geology units (see next section for attribute descriptions)
Iskut_glacier.shp	Freshwater Atlas Glaciers <sup>2</sup>

<sup>1</sup> Lewis P. D., Toma A. and Tosdal R. M. (2001): Metallogenesis of the Iskut River Area, Northwestern British Columbia; MDRU Special Publication Number 1, CD, Mineral Deposit Research Unit, The University of British Columbia.

<sup>2</sup> Province of British Columbia (2008): Freshwater Atlas Glaciers; Ministry of Forests, Lands and Natural Resource Operations, GeoBC, URL <https://apps.gov.bc.ca/pub/geometadata/metadataDetail.do?recordUID=50638&recordSet=ISO19115> [December 2011].

## Attribute Description for Geology Units

The geology units dataset has several attribute fields:

AGE	Stratigraphic age
GROUP	Group name
GRPBIOSL	Group – biostratigraphic limits
GRPBIOSR	Group – known biostratigraphic range
FORMATION	Formation name
FRMBIOSL	Formation – biostratigraphic limits
FRMBIOSR	Formation – known biostratigraphic range
MEMBER	Member name
ROCK_CLASS	Intrusive, stratified or metamorphic
ROCK_TYPE	Generalized lithological description
STRAT_UNIT	Stratigraphic unit code
ROCK_DESC	Stratigraphic unit description
CONFIDENCE	Level of confidence ('?' denotes low confidence level)
R	RGB red decimal code for geology unit symbology
G	RGB green decimal code for geology unit symbology
B	RGB blue decimal code for geology unit symbology

### *Please note:*

1. Some structural point features are not included in the PDF maps for better visual presentation. The Iskut\_structure\_points.shp contains the complete structure point features dataset.
2. For a correct and accurate representation of the geology, the datasets should be displayed in the following order:
 

<i>Top</i>	Structural point features
	Structural line features
	Freshwater Atlas Glaciers
	Stratigraphic or intrusive contacts
	Faults
	Change in level of stratigraphic detail
	Limit of mapping
<i>Bottom</i>	Geology units