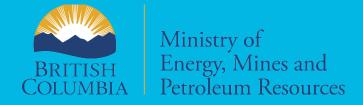


Iskut region geological compilation: Supporting data and working files

JoAnne L. Nelson





Ministry of Energy, Mines and Petroleum Resources Mines and Mineral Resources Division British Columbia Geological Survey

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Front cover: Looking north from Snowfield deposit to Iron Cap (left background) and Brucejack fault (right background) with upper Hazelton strata on cliffs to east. Photo by Lauren Wilson, 2013.

Data files for this GeoFile can be downloaded from http://cmscontent.nrs.gov.bc.ca/geoscience/PublicationCatalogue/GeoFile/BCGS GF2019-02.zip





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Ministry of Energy, Mines and Petroleum Resources British Columbia Geological Survey GeoFile 2019-02

Iskut region geological compilation: Supporting data and working files



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Summary

This GeoFile contains files of supporting data and references used in the 2018 geological compilation of the Iskut region between the village of Iskut and Summit Lake (Fig. 1), which is being incorporated into the revised digital geological map of British Columbia. BCGS GF2019-02.zip includes: 1) working GIS (.shp) files of geological linework, polygons and centroids, with notes and references; 2) working files of geochronological and biochronological supporting data from published sources with edits and notes by the compiler; 3) reference list of sources for geology; 4) a copy of the paper that justifies Iskut stratigraphic nomenclature (Nelson et al. 2018).

The principal sources of new geological data used in this compilation include Ash et al. (1997) in the Tatogga-Klastline area near the village of Iskut, Alldrick et al. (2004a, 2005a, 2006) in the upper Iskut River area, and Lewis (2001, 2013) in the lower Iskut River area. Other sources for local areas are cited with regard to specific linework segments and geopolygons; they appear in the list of references. The compilation also includes unpublished mapping by J. Nelson in 2004, 2013 and 2014. Published biochronological and geochronological data sets (Souther, 1972; Logan et al., 2000; Lewis et al., 2001; Nadaraju and Lewis, 2001; Cutts et al. 2015) provided essential control on unit ages and assignments. They are included here in files that contain compiler's notes and minor corrections made in the course of compilation.

The maps that form the main basis for this compilation were created at different times by different organizations, and their integration required erection of a common, valid schema of stratigraphic nomenclature. This issue was addressed by a working group in 2017, which included John Waldron of the University of Alberta, Alex Zagorevski of the Geological Survey of Canada, Chris Rees of Imperial Metals, and JoAnne Nelson and Bram van Straaten of the BC Geological Survey. The result of their deliberations (Nelson et al., 2018) is an essential companion to the new digital map.

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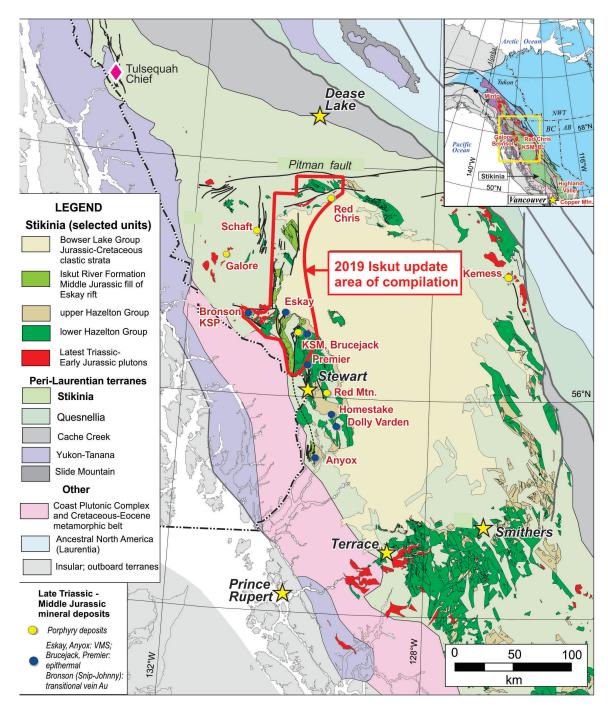


Fig. 1. Regional setting of the Iskut River study area.

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