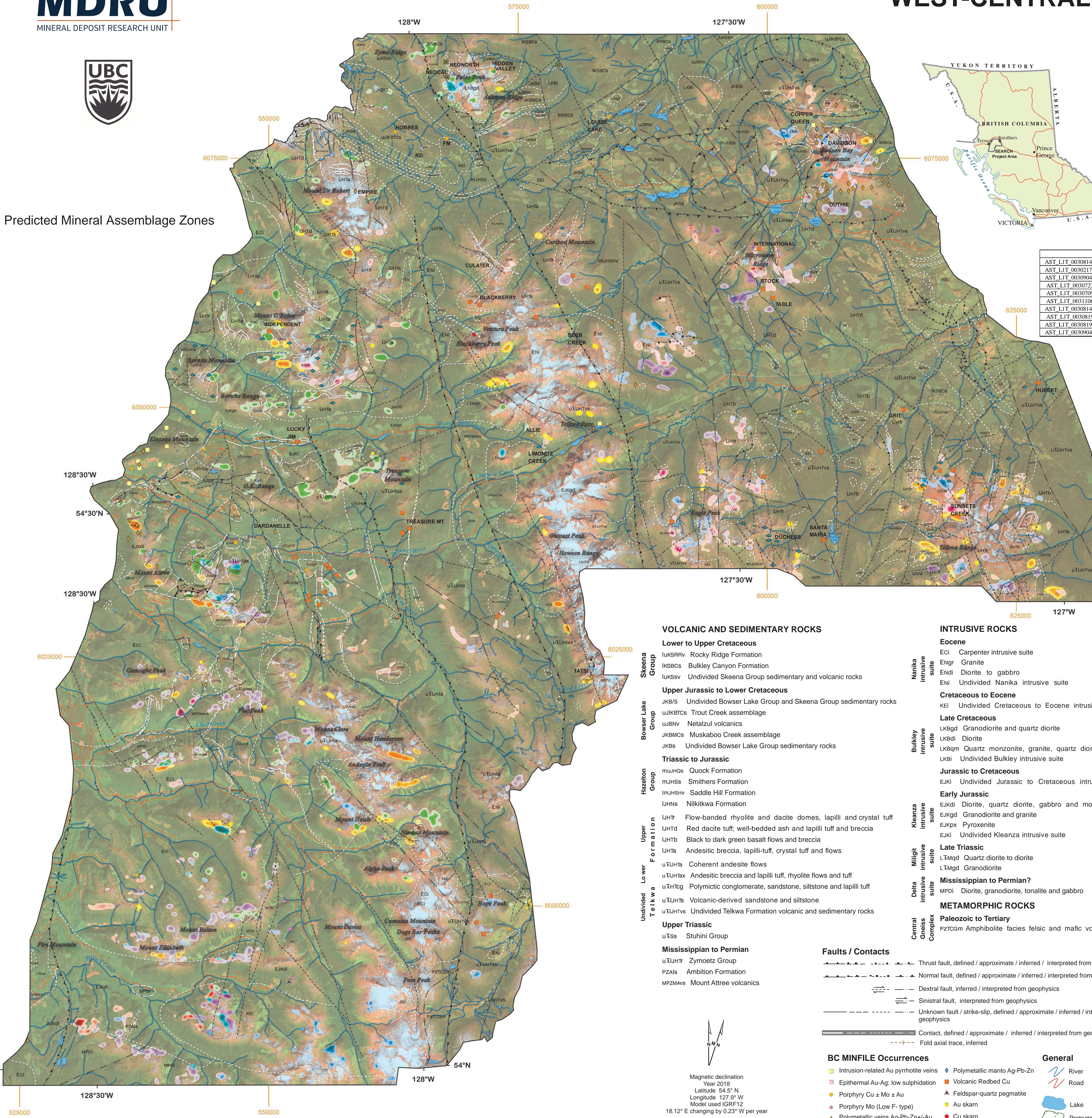


# MINERAL MAPPING USING ASTER DATA, SEARCH PHASE I PROJECT AREA, WESTERN SKEENA ARCH, WEST-CENTRAL BRITISH COLUMBIA

**MDRU**  
MINERAL DEPOSIT RESEARCH UNIT



Predicted Mineral Assemblage Zones



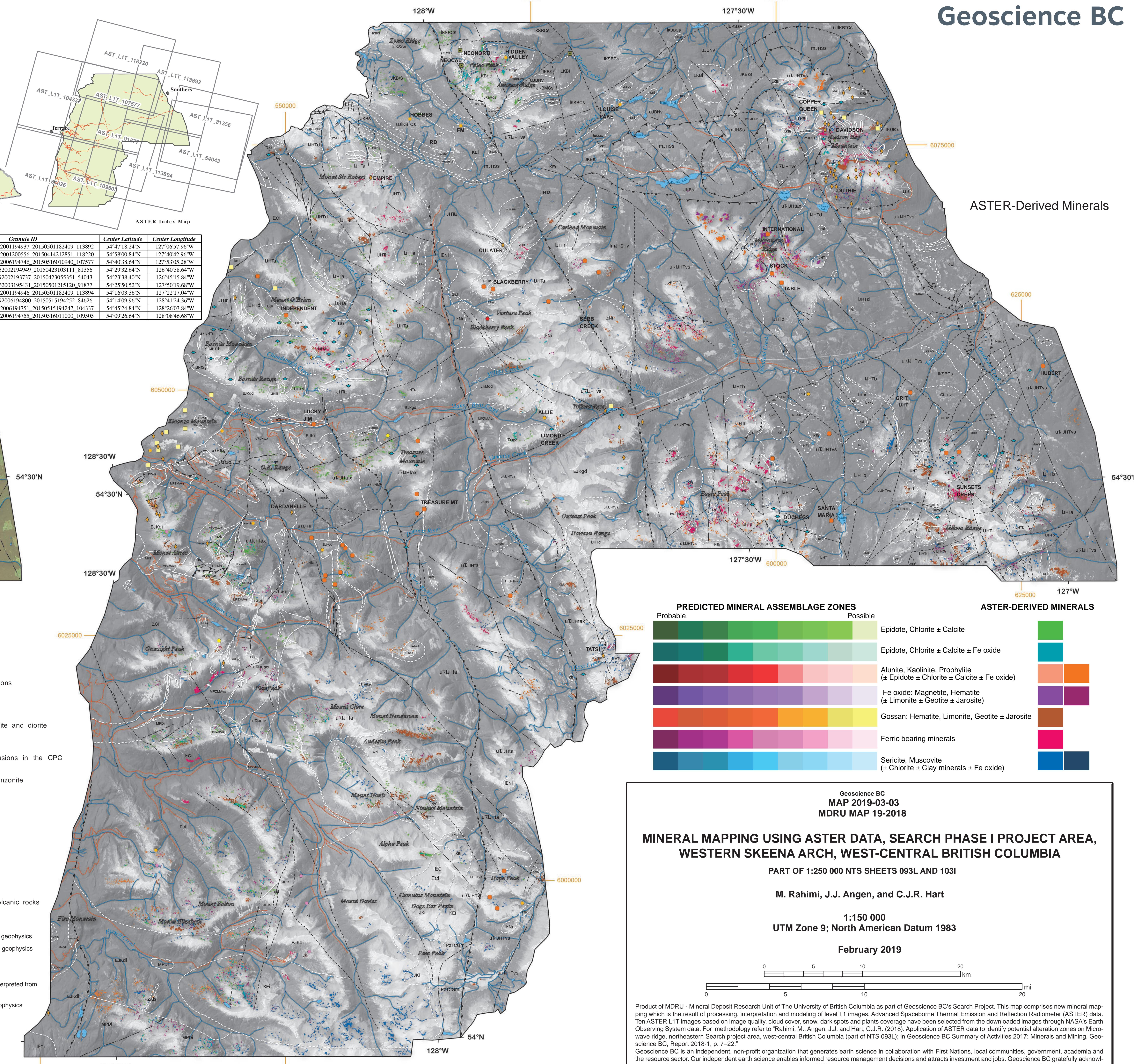
Ground ID	Center Latitude	Center Longitude
AST_LIT_0030814200119893	54°47'18.84"N	127°05'57.96"W
AST_LIT_0030812001200556	54°58'00.84"N	127°04'29.96"W
AST_LIT_00309942001604746	54°40'38.64"N	127°51'05.28"W
AST_LIT_00307232001219648	54°29'32.64"N	126°03'38.64"W
AST_LIT_003081100105577	54°26'15.75"N	126°03'15.88"W
AST_LIT_0030811001055452	54°25'50.52"N	126°03'16.68"W
AST_LIT_00308142001198946	54°16'03.36"N	127°22'11.04"W
AST_LIT_00308192006194940	54°14'59.96"N	128°41'24.36"W
AST_LIT_00308192006194751	54°15'01.24"N	128°26'03.84"W
AST_LIT_00309942006194755	54°09'26.64"N	128°08'46.68"W

Background image source: Landsat 8 Operational Land Imager (OLI), Band combination 7 5 3, Natural with Atmospheric Removal

Background image source: Landsat 8 Operational Land Imager (OLI), Band 1, Bandwidth 0.43 - 0.45 μm

Product of MDRU - Mineral Deposit Research Unit of The University of British Columbia as part of Geoscience BC's Search Project. This map comprises new mineral mapping which is the result of processing, interpretation and modeling of level T1 images; Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data; and ASTER L1T images based on image quality, cloud cover, snow, dark spots and plants coverage have been selected from the downloaded images through NASA's Earth Observing System data. For methodology refer to "Rahimi, M., Angen, J.J. and Hart, C.J.R. (2018). Application of ASTER data to identify potential alteration zones on micro-wave images in the search phase I project area, west-central British Columbia (part of NTS 093L); Geoscience BC Summary of Activities 2017: Minerals and Mining, Geoscience BC, Report 2018-1, p. 7-22". Geoscience BC is an independent, non-profit organization that generates earth science in collaboration with First Nations, local communities, government, academia and the resource sector. Our independent earth science enables informed resource management decisions and attracts investment and jobs. Geoscience BC gratefully acknowledges the financial support of the Province of British Columbia. MDRU is a collaborative venture between the mineral industry and the University of British Columbia. The unit, which operates under the name and funding of MDRU, is a research unit of the University of British Columbia and Engineering Research Council of Canada. MDRU is an international, recognized research group devoted to solving mineral exploration-related problems. The geological information layer of map is product of the Mineral Deposit Research Unit (MDRU) with contributions by the British Columbia Geological Survey (BCGS). The BCGS is the government agency responsible for providing inventories, assessments, and archives of British Columbia's geology. It links government, the minerals industry, and communities to geoscience information and mineral resources. To stimulate investment and inform decisions about potential land and resource management in the province, geoscience data are released through MapPlace, the BCGS online web service. Recommended Citation: Rahimi, M., Angen, J.J. and Hart, C.J.R. (2019): Mineral mapping using ASTER data, Search phase I project area, western Skeena arch, west-central British Columbia; Geoscience BC Map 2019-03-03 and MDRU Map 19-2018, scale 1:150 000.

**Geoscience BC**



Geoscience BC  
MAP 2019-03-03  
MDRU MAP 19-2018

MINERAL MAPPING USING ASTER DATA, SEARCH PHASE I PROJECT AREA, WESTERN SKEENA ARCH, WEST-CENTRAL BRITISH COLUMBIA

PART OF 1:250 000 NTS SHEETS 093L AND 103I

M. Rahimi, J.J. Angen, and C.J.R. Hart

1:150 000

UTM Zone 9; North American Datum 1983

February 2019

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