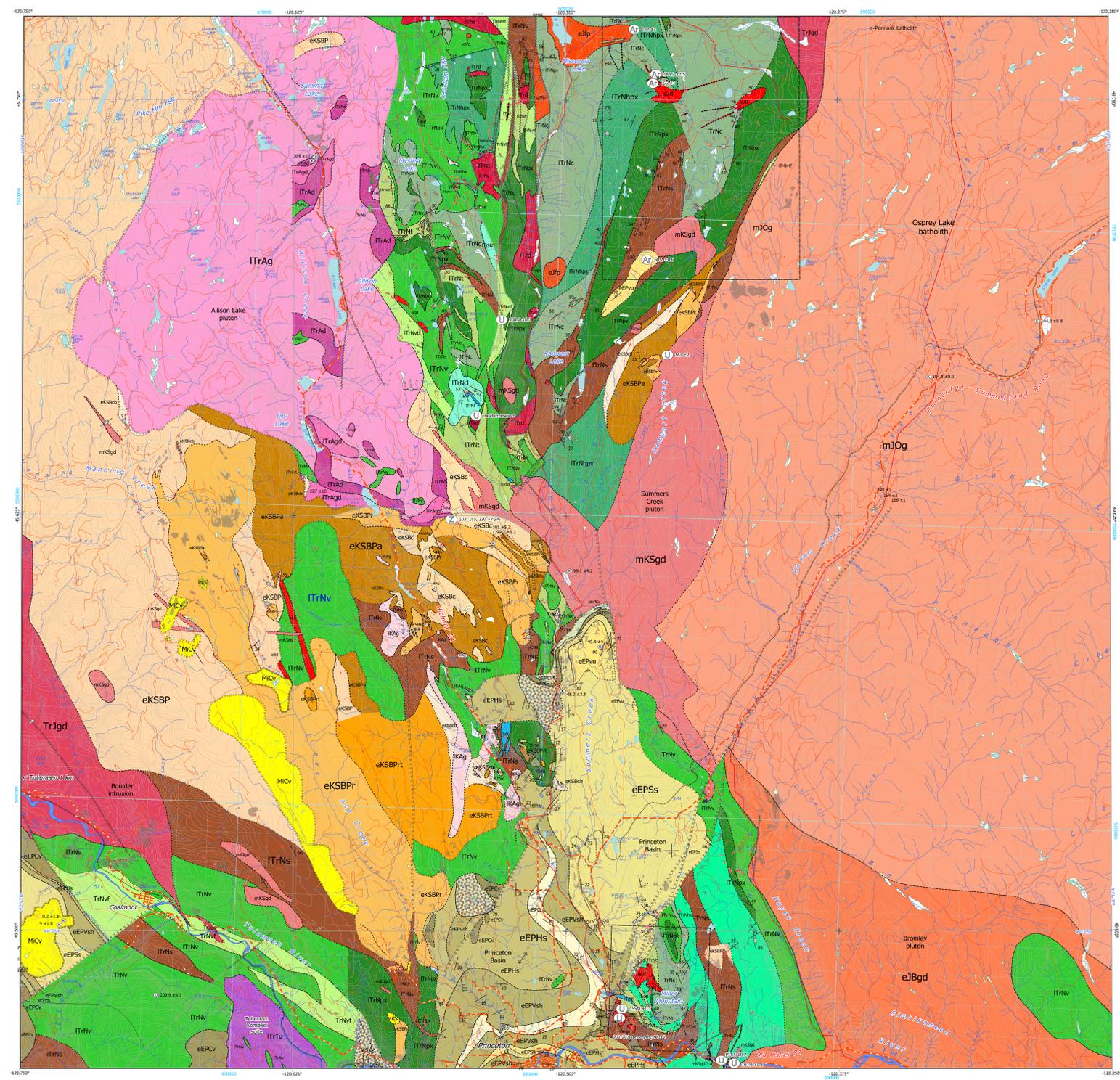


Mitchell G. Mihalynuk, James M. Logan,
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Johannes Jacob and Andrew K.G. Watson

Scale 1:500 000

LEGEND

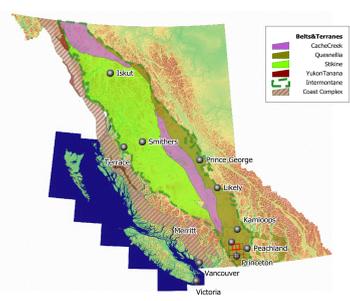
- LAYERED ROCKS
MIOCENE
Chilcoteau Group
EARLY CRETACEOUS (TO EARLIEST LATE CRETACEOUS)
Spences Bridge Group
LATE TRIASSIC TO EARLY JURASSIC NICOLA GROUP
MIDDLE TRIASSIC
INTRUSIVE ROCKS
Late Cretaceous
Early Cretaceous
Middle Jurassic
Early Jurassic
Early Jurassic - Late Triassic
Alison Lake pluton
Tulameen Complex



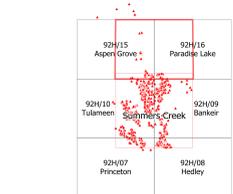
SUMMARY

Summers Creek area is centred on the southern Nicola arc. Rocks of the Nicola arc are part of the Cascade terrane, which stretches the length of British Columbia. In this area, part of the dissected Interior Plateau west of the Coast-Cascades ranges, the arc rocks are sparsely exposed. Local extensive exposures are along steep valleys and generally scoured ridges. Mainly relatively dry open forests, minor grasslands, and many small lakes make ideal range land for cattle and allow easy foot travel.

LOCATION



RELIABILITY



RECOMMENDED CITATION

Mihalynuk, M.G., Logan, J.M., Diakow, L.J., Henderson, M.A., Jacob, J., and Watson, A.K.G., 2014. Summers Creek area preliminary geology, NTS 92H/9W & 10E. British Columbia Ministry of Energy and Mines, British Columbia Geological Survey, Open File 2014-5, 1:500 000 scale.

REFERENCES
Bishop, K.A., and Mihalynuk, M.G., 2004. BCOpen 2004-1: a database of isotopic age determinations for the Coast Range Complex, British Columbia. British Columbia Ministry of Energy and Mines, Open File 2004-1, 3 p.

SYMBOLS

- Geological contact: defined, approximate, inferred
Unconformity
Fault: defined, approximate, inferred
Trusted: inferred
Axial trace of regional fault, anticline, syncline
Bedding inclined, top indicated, overturned, horizontal
Foliation: strike-slip, normal, thrust, or other (inclined, vertical, second phase)
Fold axis, axial cleavage
Lineation: inclined, horizontal
Brittle shear, brittle shear-sense, strike-slip, dyke, dyke vertical
Geological symbols (continued)
Isotopic age: sample site, U-Pb, zircon, detrital zircon, 40Ar-39Ar, K-Ar
Fault: produced, developed, proposed, showing
DRI Hole, trench, shaft
Topographic contour (20 metre intervals) and spot heights
Landslides (limited at Mount Morison for clarity, see Mihalynuk and Logan, 2013)
Alteration zone: pyrite halo (Chapman, 1970)
Lakes; Wetlands (swamp and marshes)
Outcrop (darker shade, symbol where too small to map)
Field station (also on Reliability diagram)
Outline of map areas shown at larger scale in Mihalynuk and Logan (2013a, b).