

CENOZOIC

- QUATERNARY
Pleistocene and Recent
- Q₁ Glacial deposits, recent alluvium, few if any boulders
 - Q₂ Landslide and rock slide debris
- CRETACEOUS AND/OR JURASSIC
- Kgd GARDNER BASIN STOCK: monzonite-biotite granodiorite and quartz monzonite
 - Kgdl BATTLE RANGE BATHOLITH (Kgdl, Kgdb, Kgdm) orthoclase diorite
 - Kgdb Monzonite-biotite granodiorite, gneissoidite, includes SUGARPLUM STOCK
 - Kgdm Biotite-hornblende quartz monzonite, granodiorite, minor quartz diorite; includes BURNED BATHOLITH
 - Kcc NELSON BATHOLITH (Kcc to Jgd) CANADIAN CREEK TUFF: biotite-hornblende quartz monzonite, granodiorite; minor quartz diorite and granite. All contain green, foliated megacrysts
 - Kamb CANTONMENT-BATHOLITH CREEK AND WAGGIE CREEK STOCKS: hornblende-biotite quartz monzonite; minor quartz diorite and granodiorite
 - Kqm SOUTH MACKINAC CREEK STOCK: hornblende leucogranite monzonite

MESOZOIC

- JURASSIC AND/OR CRETACEOUS
- Jgdmt VERY BASAL STOCK: biotite-hornblende quartz diorite, diorite, quartz monzonite, monzonite and syenodiorite
 - Jgd MASON MOUNTAIN AND EAST CANTONMENT STOCKS: foliated hornblende quartz diorite; minor quartz monzonite
- JURASSIC
- Jxx KUSHANAX BATHOLITH AND STOCK (Jxx, Jxxs, Jxxs) argillite-quartz leucogranite monzonite; minor leucogranite and leucogranite
 - Jxxs Syenite
 - Jxxs Foliated and/or limited leucogranite monzonite
- LOWER JURASSIC
- Jlp ARCHFIELD FORMATION (?): grey argillite, shale and silicified

PALEOZOIC & MESOZOIC

- PERMIAN AND/OR TRIASSIC
- Pxx Hornblende and pyroxene meta-diorite and meta-andesite (includes Poplar Creek Gneissoidite); eastern and where boundaries are undisturbed
 - Pxb Serpentinized; minor talc and tremolite schist
 - Pxxv MASON GROUP: meta-andesite flow, tuff, breccia; minor meta-diorite; rare tuffaceous phyllite
- TRIASSIC AND (?) JURASSIC
- Txxv Grey meta-andesite and meta-diorite tuff and flows
 - Txxp Grey to black phyllite, argillite, quartzite; minor tuffaceous sediment near top
 - Txxc Grey to black limestone; minor argillite and quartzite
 - Txxsc Conglomerate, sedimentary breccia; minor sandstone

PALEOZOIC

- MIDDLE DEVONIAN (?)
- Dgdn Biotite-hornblende granodiorite gneiss
- CAMBRIAN TO DEVONIAN OR OLDER
- IPxx Undivided: grey phyllite, siliceous phyllite, gritty phyllite, phyllite grit, rare quartzite
 - IPxxv Undivided: green phyllite, lay green phyllite, greenstone
 - IPxxc SHARON CREEK FORMATION: dark grey to black siliceous phyllite
 - IPxxd ALMA FORMATION: massive grey quartzite
 - IPxxp TRILITE FORMATION: grey to black siliceous phyllite
 - IPxxs TRILITE, ALMA, SHARON CREEK FORMATIONS: undivided
 - IPxxv INDEX FORMATION (IPxx to IPxxp) Green phyllite, lay green phyllite, greenstone
 - IPxxc Phyllite and arenaceous limestone/matrix grey phyllite
 - IPxxp Grey and light green phyllite; minor phyllite limestone and quartz grit
 - IPxxg Quartz grit; minor gritty phyllite
 - IPxxs Undivided: grey phyllite, siliceous phyllite, gritty phyllite, phyllite grit, rare quartzite
 - IPxxv Undivided: green phyllite, lay green phyllite, greenstone
 - IPxxc Undivided: limestone, phyllite limestone

PALEOZOIC

- CAMBRIAN
- ICxxc RABBIT FORMATION: Grey and white limestone
- DEVONIAN (OVERDEVELOPED) AND/OR CAMBRIAN
- ICxxp MOUNTAIN DEVONIAN AND/OR CAMBRIAN: grey and brown phyllite, micaceous quartzite; minor limestone
 - ICxxv Green phyllite, minor grey phyllite and limestone
 - ICxxc White to light grey limestone
 - ICxxp MOUNTAIN DEVONIAN: white, grey and brown quartzite, phyllite quartzite; minor grey and black phyllite
 - ICxxc MOUNTAIN DEVONIAN (ICxxp, ICxxv) White quartzite
 - ICxxv Green phyllite, greenstone

PROTEROZOIC

- DEVONIAN (OVERDEVELOPED) AND/OR CAMBRIAN
- ICxxc MOUNTAIN DEVONIAN AND/OR CAMBRIAN: grey and brown phyllite, micaceous quartzite; minor limestone
 - ICxxv Green phyllite, minor grey phyllite and limestone
 - ICxxc White to light grey limestone
 - ICxxp MOUNTAIN DEVONIAN: white, grey and brown quartzite, phyllite quartzite; minor grey and black phyllite
 - ICxxc MOUNTAIN DEVONIAN (ICxxp, ICxxv) White quartzite
 - ICxxv Green phyllite, greenstone
- INTRUSIONS OF UNKNOWN AGE
- g Granite, quartz monzonite
 - qmbh MOUNT CARPENTER STOCK: biotite-hornblende quartz monzonite
 - qm Limited biotite-monzonite quartz monzonite
 - fp Feldspar porphyry
 - bq Biotite quartz gabbro

- Geological boundary defined by approximate assumed
- Fault defined by approximate assumed
- Bedding, facies determined by vertical section
- Bedding, facies determined by vertical section
- Foliation (inclined, vertical)
- Cleavage (inclined, vertical)
- Limestone, fold axis (undetermined vergence)
- Fold (undetermined vergence, northward vergence)

Geology by J.O. Wheeler, 1965, 1967, P.B. Read, 1962-1964, 1971-1972. Revised compilation by P.B. Read, 1972.

Geological cartography by the Geological Survey of Canada, 1970. Base-map compiled and drawn by the Survey and Mapping Branch, 1971.

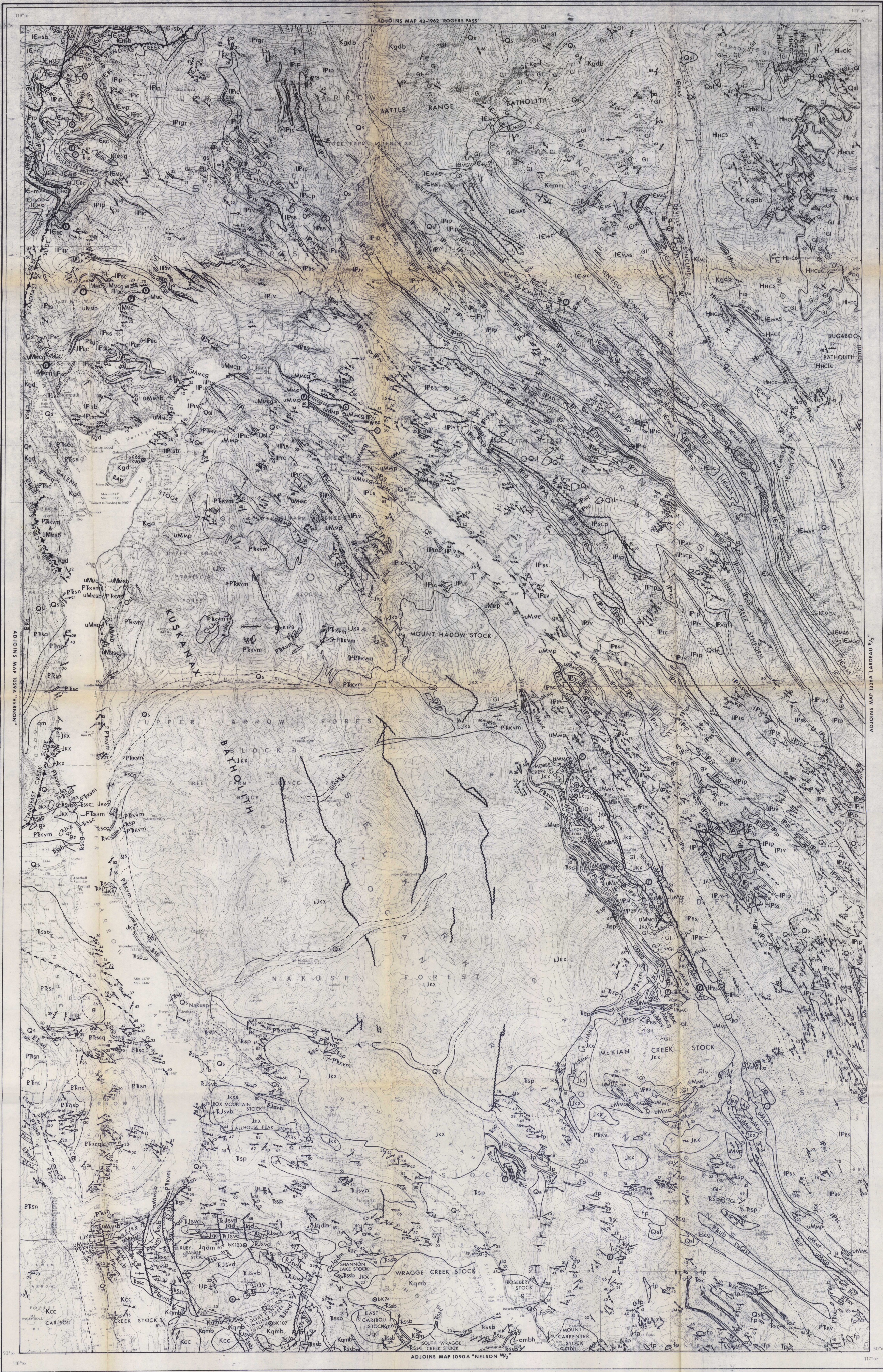
Magnetic declination 1955 varies from 2°30' easterly at center of west edge to 2°50' easterly at southeast corner. Mean annual change: 1.4° westerly.

INDEX MAP

This map has been produced from a scanned version of the original map. Reproduction par numérisation d'une carte sur papier.

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES, ENERGY AND PETROLEUM

82Kw2



GEOLOGY
LARDEAU WEST-HALF
BRITISH COLUMBIA
Scale 1:125,000

Scale 1:125,000

Scale 1:125,000

Scale 1:125,000

Scale 1:125,000