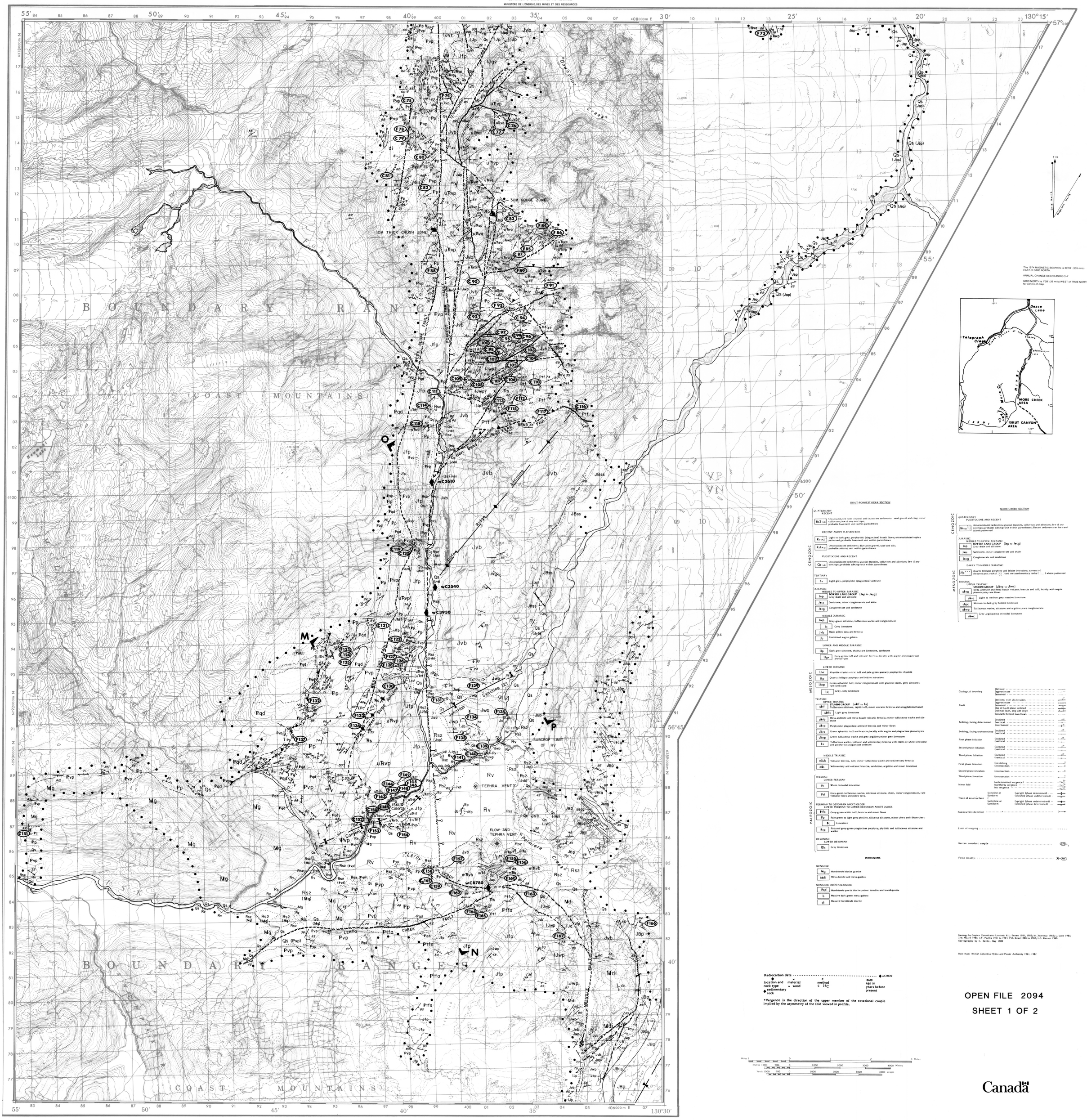
Énergie, Mines et Ressources Canada
Energy, Mines and Resources Canada

GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES



ISKUT-FORREST KERR SECTION

CENOZOIC
QUATERNARY
RECENT
Rs2 (Ua) Unconsolidated river channel and lacustrine sediments: sand-gravel and clay; minor colluvium; few ±1 any outcrops; probable basement unit within parentheses

RECENT AND/OR PLEISTOCENE
Rv (Ua) Light to dark grey, porphyritic (plagioclase) basalt flows; unconsolidated tephra patterned; probable basement unit within parentheses
Rs1 (Ua) Unconsolidated sediments: fluvatile gravel, sand and silt; probable subcrop unit within parentheses

PLEISTOCENE AND RECENT
Qs (Ua) Unconsolidated sediments: glacial deposits, colluvium and alluvium; few ±1 any outcrops; probable subcrop unit within parentheses

TERTIARY
Tv Light grey, porphyritic (plagioclase) andesite

MESOZOIC
JURASSIC
MIDDLE TO UPPER JURASSIC
BOWSER LAKE GROUP (Jap to Jecg)
Jap Grey shale and siltstone
Jass Sandstone, minor conglomerate and shale
Jecg Conglomerate and sandstone

MIDDLE JURASSIC
Jwp Grey-green siltstone, tuffaceous wacke and conglomerate
Jc Grey limestone
Jvb Basic pillow lava and breccia
Jb Uralitized augite gabbro

LOWER AND MIDDLE JURASSIC
Ijp Dark grey siltstone, shale; rare limestone, sandstone
Ijgv Grey-green tuff and volcanic breccias; locally with augite and plagioclase phenocrysts

LOWER JURASSIC
Ijvr Rhyolite crystal-vitric tuff and pale green sparsely porphyritic rhyolite
Ijfp Quartz feldspar porphyry and felsite intrusions
Ijwp Green aphanitic tuff; minor conglomerate with granitic clasts, grey siltstone; rare limestone
Ijlc Grey, silty limestone

TRIASSIC
UPPER TRIASSIC
STUHINI GROUP (uTrf to Ts)
uTrf Tuffaceous siltstone, lapilli tuff, minor volcanic breccia and amygdaloidal basalt
uTrflc Light grey limestone
uTrvb Meta-andesite and meta-basalt volcanic breccia; minor tuffaceous wacke and siltstone
uTrvp Porphyritic plagioclase andesite breccia and minor flows
uTrva Green aphanitic tuff and breccia; locally with augite and plagioclase phenocrysts
uTrwp Green tuffaceous wacke and grey argillite; minor grey limestone
Ts Tuffaceous wacke, volcanic and sedimentary breccia with clasts of white limestone and porphyritic plagioclase andesite

MIDDLE TRIASSIC
mTrvb Volcanic breccia, tuff; minor tuffaceous wacke and sedimentary breccia
mTrs Sedimentary and volcanic breccia, sandstone, argillite and minor limestone

PALEOZOIC
PERMIAN
LOWER PERMIAN
Pc White crinoidal limestone
Ptf Grey-green tuffaceous wacke, siliceous siltstone, chert; minor conglomerate, rare volcanic flows and pillow lava.

PERMIAN TO DEVONIAN AND/OR OLDER
LOWER PERMIAN TO LOWER DEVONIAN AND/OR OLDER
Pttfa Grey-green acidic tuff, breccia and minor flows
Pp Pale green to light grey phyllite, siliceous siltstone, minor chert and ribbon chert
Pc Limestone
Pvp Foliated grey-green plagioclase porphyry, phyllitic and tuffaceous siltstone and wacke

DEVONIAN
LOWER DEVONIAN
lDc Grey limestone

INTRUSIONS
MESOZOIC
Mg Hornblende biotite granite
Mdi Meta-diorite and meta-gabbro

MESOZOIC ORPTI PALEOZOIC
Pqd Hornblende quartz diorite; minor tonalite and trondhjemite
b Massive dark green meta-gabbro
di Massive hornblende diorite

MORE CREEK SECTION

CENOZOIC
QUATERNARY
PLEISTOCENE AND RECENT
Qs (Ap) Unconsolidated sediments: glacial deposits, colluvium and alluvium; few ±1 any outcrops; probable subcrop unit within parentheses; Recent sediments on bars and islands patterned

MESOZOIC
JURASSIC
MIDDLE TO UPPER JURASSIC
BOWSER LAKE GROUP (Jap to Jecg)
Jap Grey shale and siltstone
Jass Sandstone, minor conglomerate and shale
Jecg Conglomerate and sandstone

EARLY TO MIDDLE JURASSIC
Hp Quartz feldspar porphyry and felsite intrusions; screens of metavolcanic rocks [ ] and metasedimentary rocks [ ] where patterned

TRIASSIC
UPPER TRIASSIC
STUHINI GROUP (uTrvo to uTrwc)
uTrvo Meta-andesite and meta-basalt volcanic breccia and tuff, locally with augite phenocrysts; rare flows
uTrlc Light to medium grey massive limestone
uTrpc Medium to dark grey bedded limestone
uTrwp Tuffaceous wacke, siltstone and argillite; rare conglomerate
uTrwc Grey argillaceous crinoidal limestone

Geological boundary — defined; approximate; assumed
Fault — defined, with slickensides; approximate; assumed; dip of fault plane inclined; dip of fault plane vertical; dotted where overlain by Recent lava flows
Bedding, facing determined — inclined; vertical; inverted
Bedding, facing undetermined — inclined; vertical
First phase foliation — inclined; vertical
Second phase foliation — inclined; vertical
Third phase foliation — inclined; vertical
First phase lineation — stretching; intersection
Second phase lineation — intersection
Third phase lineation — intersection
Minor fold — fundetermined vergence*; fourthierly vergence; fno vergence
Trace of axial surface — (upright (phase determined); (inclined (phase undetermined)
Paleocurrent direction
Limit of mapping
Barren conodont sample (C75)
Fossil locality X-(F66)

Geology by Geotex Consultants Limited: R.L. Brown 1981, 1982; M. Journeay 1982; L. Lane 1981; J.M. Moore 1981; J.F. Pustka 1981 to 1985; P.R. Read 1985 to 1985; L.J. Warner 1985.
Cartography by C. Davis, May 1989

Base map: British Columbia Hydro and Power Authority 1981, 1982

Radiocarbon date ◆wC 8610
location and rock type: ◆ sedimentary rock
material: ~ wood
method: C 14C
8610 age in years before present

*Vergence is the direction of the upper member of the rotational couple implied by the asymmetry of the fold viewed in profile.

Miles 1 0 1 2 3 Miles
Metres 1000 500 0 1000 2000 3000 4000 Metres
Contour Interval
Yards 1000 500 0 1000 2000 3000 4000 Yards

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SHEET 1 OF 2

Canada

GEOLOGY, MORE AND FORREST KERR CREEKS (parts of 104B/10, 15, 16 & 104G/1, 2), NORTHWESTERN BRITISH COLUMBIA