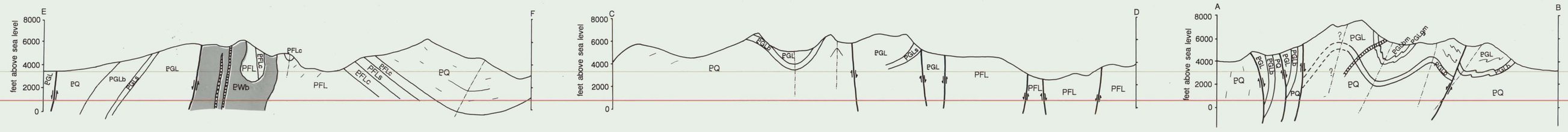

Canada

canada/yukon economic development agreement

Yukon Government

Military users, refer to this map as: Référence de la carte pour usage militaire:
SERIES A722 SÉRIE
MAP 106D/16 CARTE
EDITION 1 MCE ÉDITION

LEGEND

STRATIFIED ROCKS

Quaternary

Q — *Alluvium, colluvium, and glacial deposits*

Cambrian to Devonian

CDc — *Resistant, crudely stratified, light grey weathering dolostone*

Middle to Late Proterozoic
Pinguicula Group(?)

PPv — Northeast of Bonnet Plume River, *grey to maroon, dense to amygdaloidal lava flows*

PPs — Southwest of Bear River, *maroon to green weathering siltstone, maroon weathering quartzite-clast conglomerate, and buff weathering carbonate*

Middle Proterozoic
Gillespie Lake Group

PGL — *Undivided Gillespie Lake Group: orange, brown and grey weathering dolostone and silty dolostone, locally stromatolitic, locally hosting chert nodules and sparry karst infillings, interbedded with subordinate black weathering siltstone and shale, green, grey and brown weathering laminated mudstone, and grey to white weathering quartzose sandstone. Locally developed slaty cleavage in shaley beds*

PGLbm — Southwest of Bear River, *brown to black weathering laminated mudstone and shale*

PGLgm — Southwest of Bear River, *green, grey and brown weathering laminated mudstone*

PGLs — *Black weathering siltstone and shale*

PGLb — *Basal Gillespie Lake Group: cross laminated, orange weathering silty to sandy dolostone interbedded with black weathering shale and grey to white weathering, quartzose, fine grained sandstone*

Quartet Group

PQ — *Black weathering shale, finely laminated dark grey weathering siltstone, and planar to cross laminated light grey weathering siltstone and fine grained sandstone. In upper part of succession, siltstone and fine grained sandstone interbedded with subordinate orange weathering dolostone grades upward into basal Gillespie Lake Group. Slaty cleavage and microfolds locally present in shaly units*

Fairchild Lake Group

PFL — *Undivided Fairchild Lake Group: green to grey weathering siltstone, fine grained sandstone, and laminated limy siltstone. In upper part of succession, interbeds of grey, brown and white weathering carbonate are interbedded with dark grey weathering shale and siltstone, below conformable contact with Quartet Group. Silty and shaly units locally cleaved and kink banded*

PFLc — *Grey, brown and white weathering carbonate with minor interbeds of dark siltstone and shale*

PFLs — *Black and dark grey weathering shale and siltstone with minor interbeds of carbonate*

INTRUSIVE ROCKS

Middle Proterozoic to Mesozoic

gr — *Fine to medium grained granite to granodiorite; local rhyolitic border phase*

Fine to medium grained gabbro, diorite and basalt

Middle to Late Proterozoic
Wernecke breccia

PWb — *Mottled red, green and grey weathering hematitic and dolomitic siltstone- and dolostone-clast breccia, and related metasomatized country rock. Breccia and metasomatites host copper, uranium, cobalt, silver and gold mineralization*

SYMBOLS

stratigraphic or intrusive contact known, approximate, assumed

normal fault (pegs on hanging wall) known, approximate, assumed

reverse fault (teeth on hanging wall)

bedding inclined, overturned, vertical
horizontal, facing unknown
estimate from airphoto or distant sighting

slaty cleavage inclined, vertical

minor fold axis

fold
syncline: inclined; overturned
anticline: inclined; overturned

line of cross section A — B

Mineral Occurrences from Yukon Minfile

● Wernecke breccia
Cu and/or U (+/− Co, Au, Mo, Ba, Ag)
49 PAGISTEEL
52 FORD
61 FOUND
62 GNUCKLE
70 SLAB
75 BLAND
76 FACE
78 PITCH
79 CHIEFTAIN
87 SNOWSTAR

▲▽ Vein
Cu (+/−Au, Ag, Pb, Zn, Ba, Mo, W, Co, Ni)
47 GRAY
48 NEW JERSEY
53 SLATS
89 ZELON

◆ Stratabound concordant
Pb−Zn (+/−Au, Ag, Ba, Cu)
74 CORD

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CONTOUR INTERVAL 100 FEET

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NORTH AMERICAN DATUM 1927

TRANSVERSE MERCATOR PROJECTION

SLATS CREEK

YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

CONVERSION SCALE FOR ELEVATIONS
ÉCHELLE DE CONVERSION DES ÉLÉVATIONS

Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

106E/2	106E/1	106F/4
106D/15	106D/16	106C/13
106D/10	106D/9	106C/12

ONE THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 8
QUADRILLAGE DE MILLE MÈTRES UNIVERSEL TRANSVERSE DE MERCATOR

The 1973 MAGNETIC BEARING is 34°24′ (612 mils) EAST of GRID NORTH.

ANNUAL CHANGE DECREASING 4.9′

GRID NORTH is 0°41′ (12 mils) EAST of TRUE NORTH for centre of map.

Le REPÈRE MAGNETIQUE en 1973 est à 34°24′ (612 mils) EST du NORD DU QUADRILLAGE

VARIATION ANNUELLE DECROISSANTE 4.9′

NORD DU QUADRILLAGE est 0°41′ (12 mils) à l'est du NORD GEOGRAPHIQUE au centre de la carte

Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region

Open File 1993-2 (G)

GEOLOGICAL MAP OF SLATS CREEK (106D/16) MAP AREA, WERNECKE MOUNTAINS, YUKON
1:50 000 scale

by

Derek J. Thorkelson and Carol A. Wallace
Canada/Yukon Mineral Development Agreement
Geoscience Office