GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

5 Approximate thickness, thousands of feet

LEGEND

TERTIARY, QUATERNARY
UPPER TERTIARY, QUATERNARY

TQv — *Basalt; pyroclastic rock*

CRETACEOUS
UPPER CRETACEOUS AND/OR LOWER TERTIARY

KTsv — *Sandstone, pyroclastic rock, acid to intermediate volcanic rock*

MESOZOIC OR EARLY TERTIARY

Mg — *Granitic rock of mainly Mesozoic age, with a few bodies of early Tertiary age*

JURASSIC
LOWER AND MIDDLE JURASSIC

Js — *Mainly Laberge Group sandstone, siltstone, pelite and conglomerate*

TRIASSIC AND JURASSIC
UPPER TRIASSIC AND ? LOWER JURASSIC

TJvs — *Mainly basic to intermediate volcanic rock, volcanic sandstone and minor carbonate*

PERMIAN
CACHE CREEK GROUP

Pt — *Teslin Formation: limestone, dolomitic limestone*

PERMIAN

PPR — *French Range Formation: basic volcanic flow rock, pyroclastic rock*

PERMO-CARBONIFEROUS

CPk, CPkvb, CPkc — *Kedahda Formation: mainly bedded chert, cherty pelite and pelite; some volcanic sandstone; local carbonate (CPkc) and basic volcanic (CPkvb) pods*

PERMO-CARBONIFEROUS

CPH, CPHvb — *Horsefeed Formation: limestone, dolomitic limestone; local interbedded basic volcanic flow rock (CPHvb)*

CARBONIFEROUS

CN — *Nakina Formation: basic volcanic flow rock, minor diabase and pyroclastic rock*

PERMO-CARBONIFEROUS

CPub, CPbd — *Variably serpentinized peridotite and dunite, with local intrusions of gabbro and pyroxene diorite (CPbd)*

PERMO-TRIASSIC ?

PTv, PTc — *Andesite and basalt, local chert and tuff, and interbedded carbonate (PTc)*

CARBONIFEROUS

Csn — *Undifferentiated metamorphic rock*

Fault (normal)
Fault (high-angle reverse)
Fault (thrust)

Geology compiled by J.W. Monger largely from published 1:250,000 GSC maps

To accompany GSC Paper 74-47 by J.W. Monger

Geological cartography by the Geological Survey of Canada

INDEX MAP

Scale 1:500,000

Miles 8 0 8 16 24 Miles

Kilometres 12 0 12 24 36 Kilometres

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Figure 2. Generalized geology of the Atlin Terrane with location of facies belts and stratigraphic relationships between upper Paleozoic rock units, British Columbia and Yukon Territory

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