GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

	A	B	C	D	E	F	G	H	I	J	K	L
	Howson Range	Telkwa Range	Bulkley Valley	Dome Mountain	Babine Lake	Bait Range	Bear Lake	Hogem Ranges	Omineca River	Asitka River	Two Lake Creek	Diagonal Mtn.
UPPER JUR. Oxfordian	As	Discontinuity with Trout Creek Assemblage	Discontinuity with Trout Creek Assemblage	Discontinuity with Trout Lake Assemblage	As	As	As	As	As	As	As	As
MIDDLE JURASSIC Callovian	As	As	As	As	As	As	Relation unknown, probably conformable	Relation unknown probably conformable	Relation unknown probably conformable	Relation unknown probably conformable	Relation unknown, probably conformable	Yu
Bathonian	Sm	Sm	Sm	Sm	Sm	Ba	Ba	Sm	Yu	Yu		
Bajocian	Discontinuity	Discontinuity	Discontinuity	Discontinuity	Discontinuity	An	An	Ca	Sm	Sm		
LOWER JURASSIC Toarcian	Rt	Rt	Rt	Rt	Rt	Ni	Ni	Ni	Ni	Ni		
Pliensbachian	Ni	Ni	Disconformable	Disconformable	Probably disconformable	Te	Te	Te	Ca	Ca		
Sinemurian	Disconformable	Disconformable	Disconformable	Ni	Ni				Ni	Ni	Ni	
Hettangian	Te	Te	Te	Te	Te				Te	Te	Te	
	195 my 205	173 my			195 my				184, 187 my			
	Relation unknown	Base unknown	Relation unknown	Base unknown	Disc. Relation unknown	Base unknown	Base unknown	Relation unknown	Erosional unconformity	Erosional unconformity	Erosional unconformity	
TRIASSIC												
PERMIAN												

ammonite genera

UPPER JUR.	Oxfordian	Cardioceras
MIDDLE JURASSIC	Callovian U	Quenstedtoceras
	Callovian M	Pseudocadoceras
	Callovian L	Lilloettia, Kepplerites
	Bathonian U	
	Bathonian M	Arctocephalites
	Bathonian L	
	Bajocian U	Megasphaeroceras, Zemistephanus, Stephanoceras
	Bajocian M	Sonninia
	Bajocian L	Graphoceras, Tmetoceras
LOWER JURASSIC	Toarcian U	Dumortieria
	Toarcian M	Grammoceras, Haugia, Peronoceras, Dactylioceras
	Toarcian L	Harpoceras
	Pliensbachian U	Paltarpites
	Pliensbachian M	Arieticeras, Amaltheus
	Pliensbachian L	Prodactylioceras, Uptonia, Tropidoceras, Crucilobiceras
	Sinemurian U	Melanippites, Leptechioceras
	Sinemurian M	
	Sinemurian L	Asteroceras, Arctoasteroceras, Arnioceras
	Hettangian	
TRIASSIC		
PERMIAN		

MAP UNITS

JURASSIC

BOWSER LAKE GROUP
Upper Bajocian to Lower Oxfordian
As ..... Ashman Formation

HAZELTON GROUP
Middle Toarcian to Lower Callovian
Sm ..... Smithers Formation
Ba ..... Bait Member
Yu ..... Yuen Member

Lower Pliensbachian to Middle Toarcian
Ni ..... Nilkitkwa Formation
Rt ..... Red Tuff Member
An ..... Ankwell Member
Ca ..... Carruthers Member

Sinemurian to Lower Pliensbachian
Te ..... Telkwa Formation

Hettangian and/or Sinemurian; clastics on Sterrett Island

UPPER TRIASSIC; Takla Group

PERMIAN; Asitka Group and undivided

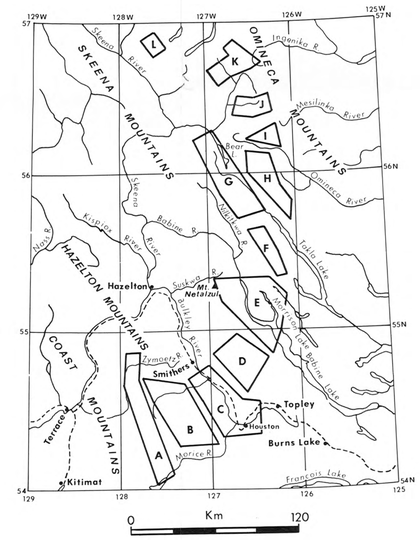
LEGEND

- Conglomerate, sandstone
- Sandstone, siltstone, minor conglomerate
- Greywacke, siltstone, minor shale, sandstone
- Siltstone, shale, minor greywacke, sandstone
- Tuff, mainly acid to intermediate ash-fall tuff, minor breccia
- Subareal flow, breccia, tuff, minor intra volcanic sediments
- Subaqueous flow, breccia, tuff and interbedded sediments
- Pillow and pillow breccia
- Limestone
- Polymictic conglomerate with granitic, Takla and Asitka clasts

To accompany GSC Bulletin 270 by H.W. Tipper and T.A. Richards

SYMBOLS

- (F) Age of strata defined by ammonite genera
- Pelecypod coquina
- ←100→ Thickness in metres
- Probable range in age of ammonite genera within study area
- (C) K/Ar age determination on granitic bodies intrusive into the Telkwa Formation
- Formation boundaries; observed, approximate
- Member boundaries; observed, approximate



- **A** ..... Howson Range – Ashman Ridge
- **B** ..... Telkwa Mountains
- **C** ..... Bulkley Valley
- **D** ..... Dome Mountain – Fulton River
- **E** ..... Mount Netalzul – Babine Lake
- **F** ..... Bait Range
- **G** ..... Bear Lake
- **H** ..... Hogem Ranges
- **I** ..... Omineca River
- **J** ..... Asitka River
- **K** ..... Two Lake Creek
- **L** ..... Diagonal Mountain

G.S.C.

Figure 5

Compilation of stratigraphic information of the Hazelton Group in north-central British Columbia

Figure 5

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