



### GEOLOGY

#### MacMillan Fold Belt

(parts of N.T.S. 105 0/2, 105 0/7)

Department of Indian Affairs and Northern Development  
200 Range Road  
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Geology by Grant Abbott 1980, 1981, 1982.

#### LEGEND

- METACONGS**
- Mg** Resistant, blocky, grey weathering paragneiss to equigranular biotite quartz monzonite and biotite granite.
- TRIASSIC**
- Ts** Resessive, dull brown weathering thin bedded to thinly laminated calcareous sandstone, and shale.
- PERMIAN AND (?) PENNSYLVANIAN**
- CpP** Resistant, dark orange brown weathering interbedded greenish grey cherty shale and massive green shale.
- CARBONIFEROUS**
- Cc** Grey weathering thick bedded to massive biotite siliceous siltstone to quartz arenite and shale. Occurs within unit Cp.
  - Cc1** Dark grey weathering massive to thick bedded quartz arenite, thin to medium bedded sandstone and quartz arenite with shale interbeds. Occurs within unit Cp.
  - Cc2** Resessive, brown, blue brown and dark blue weathering silty shale, siltstone and siliceous shale with some beds of sandstone and quartz arenite.
- UPPER DEVONIAN**
- UPPER CAN GROUP**
- uDu** Resistant, brown weathering, thick bedded, parallel laminated and ripple cross laminated sandstone, siltstone and shale. In southwest 105 0/7 and southwest and central 105 0/2, brown weathering shale, siltstone and minor sandstone.
- (?) MIDDLE AND UPPER DEVONIAN**
- LOWER CAN GROUP (dip - 40°)**
- uDu** Tuffs forming, silver blue weathering, platy siliceous shale, minor chert and rare thin 0.5 m thick beds of coarse grained limestone and platy grey weathering barite in beds less than 1 m thick.
- uDu1** Resistant, grey weathering massive chert pebble conglomerate, lesser well bedded chert conglomerate with sandstone and grit. Irregular and local, abundant sandstone and grit, occurs within unit uDu.
- uDu2** Brown weathering thinly laminated grey shale and siltstone with lesser chert quartz sandstone and grit and rare chert conglomerate.
- LOWER AND MIDDLE DEVONIAN**
- uDu3** Blue grey weathering chert conglomerate with minor sandstone and black to dark blue weathering thin bedded chert, cherty siltstone and siliceous shale. Light grey siliceous limestone in beds 1 m thick or less near base and interbedded barite up to 30 m thick in 1 m or more horizons may include upper Devonian rocks in SE part of 105 0/2.
- SILURIAN AND DEVONIAN**
- Sd1** Orange weathering, carbonate rich mafic volcanoclastic rocks, dark grey weathering coarse grained mafic flows.
- ORDOVICIAN, SILURIAN AND EARLY DEVONIAN**
- ROAD RIVER GROUP (S10), Sp, Sp2**
- S10** Buff to tan weathering platy, silty limestone, calcareous black shale. Locally includes lenses of massive grey limestone.
  - Sp** Orange to grey weathering bluish-grey, wavy laminated green shale and sandstone.
  - Sp2** Brown weathering, medium bedded chert overlain by silver to dark blue weathering, thin bedded black chert and siliceous shale.
- CANADIAN AND LOWER ORDOVICIAN**
- Co** Near Hucking and further east and northeast. Blue brown weathering siliceous shale with minor limestone and limestone conglomerate. The shale is bounded by distinct limestone horizons. The lower is interbedded orange weathering unit of thin bedded grey limestone and limestone conglomerate. The upper is grey weathering thin bedded grey silty limestone, minor limestone and grey shale interbeds. West and southwest of Hucking. Brown weathering, finely laminated grey and green shale with thin interbeds of grey limestone and some limestone conglomerate. Orange and grey weathering, thick bedded grey limestone occurs locally at the top.
- (?) MIDDLE AND LOWER CARBONIFEROUS**
- msc** Dark brown and grey weathering grey shale, siltstone and minor sandstone.
  - msc1** Gritty, buff, orange, green and brown weathering shale, minor quartz, grit and sandstone.

#### MAP SYMBOLS

- geological contact, defined approximate, assumed
- fault; defined, approximate, (sense of movement not known)
- normal fault; defined, approximate
- reverse fault; defined, approximate (dip less than 40°)
- reverse fault; defined, approximate (dip greater than 40°)
- limit of outcrop
- limit of mapping
- bedding; inclined, vertical, horizontal, overturned.
- trough; inclined, vertical (includes more than one phase)
- trend of fold axis (includes more than one phase)
- syncline; defined, approximate
- anticline; defined, approximate
- overturned anticline, defined, approximate
- overturned syncline; defined, approximate
- bedded barite; metallic and barren

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#### LEGEND - LÉGENDE

- ROAD HARD SURFACE ALL WEATHER
- ROAD LOOSE SURFACE
- CHART TRACK, WATER ROAD
- TRAIL, CUT LINE, PORTAGE
- BUILT UP AREA
- RAILWAY SIGNAL STATION STOP
- BRIDGE
- SEAPLANE BASE, SEAPLANE ANCHORAGE
- HOUSE, BARN
- CHURCH, SCHOOL
- POST OFFICE
- TOWER, FIRE, RADAR
- WELL, OIL, GAS
- TANK, OIL, GAS, WATER
- POWER TRANSMISSION LINE
- MINE
- CUTTING, ENVIRONMENT
- GRAVEL PIT
- INTERNATIONAL, PROVINCIAL BOUNDARY WITH NEIGHBOURING COUNTRY, DISTRICT BOUNDARY
- TOWNSHIP PARISH BOUNDARY
- U.S. SECTION CORNER SURVEYED/UNSURVEYED
- MUNICIPALITY BOUNDARY
- RESERVE, PARK, ETC. BOUNDARY
- SPOT ELEVATION, APPROXIMATE, LAND WATER
- ESMER
- SAND, SAND DUNES
- FALM BOGS
- WOODS, AREA, FOREST, CLEARED AREA

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#### LEGEND - LÉGENDE

- ROUTE SURFACE DURÉE, TOUTES SAISONS
- ROUTE SURFACE DE GRAVIER
- CHENIERE DE CHARRON, ROUTE D'EMER
- BENNETT, PERCEE DU PORTAGE
- ASPHALTEMENT
- CHENIERE DE FER, VOIE D'EMER/STATION, ARRÊT
- POINT
- BASE CHARRONNIERE, ANCRAGE D'HYDROAVION
- MANSION, BARRAGE
- ÉCOLE, ÉGLISE
- BUREAU DE POSTE
- TOUR, FEU, RADAR
- PUITS, PÉTROLE, ESSENCE, EAU
- LIGNE DE TRANSPORT D'ÉNERGIE
- DESKAL, MINÉRAUX
- CARRIÈRE DE GRAVIER
- FRONTIÈRE INTERNATIONALE, LIMITE PROVINCIALE AVEC VOISIN
- LIMITE DE COMTE OU DE DISTRICT
- COMTE DE CANTON (A.T.C.), ARRÊTÉ, NON ARRÊTÉ
- COMTE DE SECTION (A.T.C.)
- LIMITE DE MUNICIPALITÉ
- LIMITE DE RESERVE, DE PARC, ETC.
- POINT DE CONTRÔLE D'IMMIGRATION
- REPÈRE DE NIVELLEMENT AVEC COTE
- POINT COTE APPROXIMATIF SUR TERRE SUR L'EAU
- COURS D'EAU OU RUISSEAU
- DIRECTION DU COURANT
- LAC, LAC INTERMÉDIAIRE, ÉTANG
- LAC, LAC INTERMÉDIAIRE, ÉTANG
- TERMINAL, MARÉE MARIPOSA
- LIT DE RIVIÈRE ASSÈCHE AVEC CHENOUX
- FOSSÉ, CANAL, FOSSE
- TOUNDRA, LACS EN TOUNDRA, POLYÈDRES DE TOUNDRA
- RAPIÈRES, CALLES, RAPIÈRES
- ESTRAN, SABLE SOUS L'EAU
- BARRAGE
- ESMER
- SABLE, SABLE DUNES
- FOSSÉ, BOISÉ, FOSSE
- ESPACE CLÉANÉ, CLÉANÉ

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