



GEOLOGY

MacMillan Fold Belt

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

Department of Indian Affairs and Northern Development
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Whitehorse, Yukon

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1 of 3 sheets
\$5.00

Acknowledgments

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Geology by Grant Abbott 1980, 1981, 1982.

LEGEND

- CRETACEOUS**
 - Qs Resistant, blocky, grey weathering porphyritic to equigranular siliceous quartz monzonite and dioritic granites.
- TRIASSIC**
 - T1 Resessive, dull brown weathering thin bedded to thinly laminated calcareous sandstone, and shale.
- PERMIAN AND (?) PENNSYLVANIAN**
 - CPs1 Resistant, dark orange brown weathering interbedded greenish grey cherty shale and recessive green shale.
- CARBONIFEROUS**
 - Cs1 Grey weathering thick bedded to massive bioclastic limestone, minor quartz arenite and shale. Occurs within unit Cps.
 - Cs2 Dark grey weathering massive to thick bedded quartz arenite, thin to medium bedded sandstone and quartz arenite with shale interbeds. Occurs within unit Cps.
 - Cs3 Resessive, brown, blue brown and dark blue weathering silty shale, shale and siliceous shale with some beds of sandstone and quartz arenite.
- UPPER DEVONIAN**
 - UDs1 Resistant, brown weathering, thick bedded, parallel laminated and ripple cross laminated sandstone, siltstone and shale. In southwest 105 0/7 and southwest central 105 0/2, brown weathering shale, siltstone and minor sandstone.
- MIDDLE AND LOWER DEVONIAN**
 - LDs1 (LOWER EARLY GROUP (dypt - mdys)) Talus forming, silver blue weathering, platy siliceous shale, minor chert and rare thin 0.5 to 1 cm thick beds of coarse grained limestone and platy grey weathering barite in beds less than 1 m thick.
 - LDs2 Resistant, grey weathering massive chert pebbly conglomerate, lesser well bedded chert conglomerate with sandstone and grit. Occurs within unit mdys.
 - LDs3 Brown weathering finely laminated grey shale and siltstone with lesser chert quartz sandstone and grit and rare chert conglomerate.
- LOWER AND MIDDLE DEVONIAN**
 - MDs1 Blue grey weathering chert conglomerate with minor sandstone and grit. Occurs within unit mdys.
 - MDs2 Black to dark blue weathering thin bedded chert, cherty siltstone and siliceous shale. Light grey classic limestone in beds 1 to 1.5 m thick or less near base and interbedded barite up to 30 m thick in 1 m or more horizons may include lower Devonian rocks in SE part of 105 0/2.
- SILURIAN AND DEVONIAN**
 - SDs1 Orange weathering, carbonate rich mafic volcanoclastic rocks, dark grey weathering coarse grained mafic flow.
- DEVONIAN, SILURIAN AND EARLY DEVONIAN**
 - EDs1 (HARD RIVER GROUP (S10), Sp, Dps) Buff to tan weathering platy, silty limestone, calcareous black shale. Locally includes lenses of massive grey limestone.
 - EDs2 Orange to brown weathering blotched, wavy laminated green shale and sandstone.
 - EDs3 Brown weathering, medium bedded chert overlain by silver to dark blue weathering, thin bedded black chert and siliceous shale.
- CAMBRIAN AND LOWER DEVONIAN**
 - CDs1 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.
- MURRIAN AND LOWER CARBONIFEROUS**
 - MCs1 Dark brown and grey weathering grey shale, siltstone and minor sandstone.
 - MCs2 "Grit Hill" barren, green and brown weathering shale, minor quartz, grit and minor 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°)
- thrust of outcrop
- limit of mapping
- bedding; inclined, vertical, horizontal, overturned.
- troughs; 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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63°30'

25'

20'

10'

63°15'

10'

10'

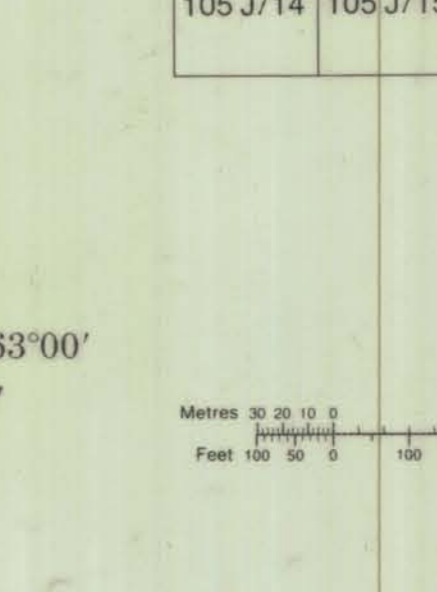
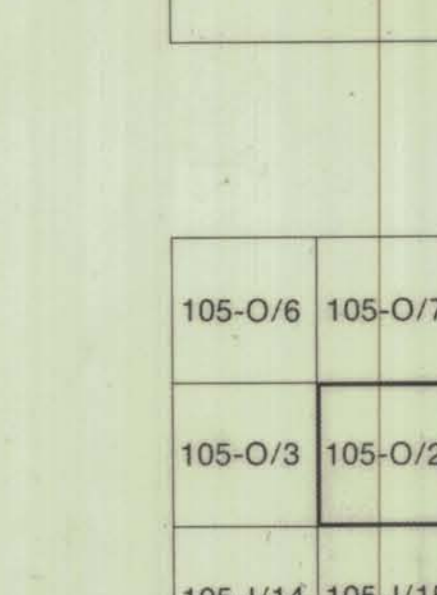
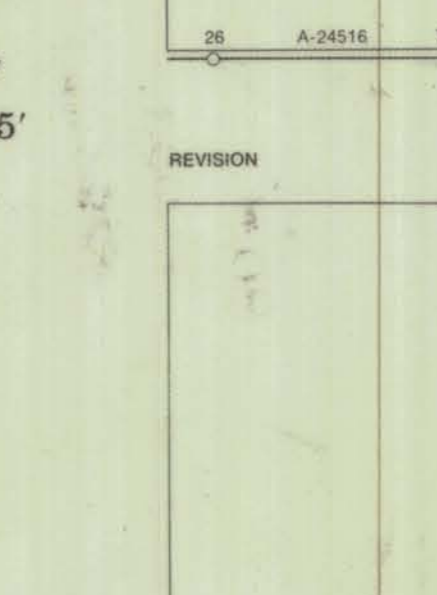
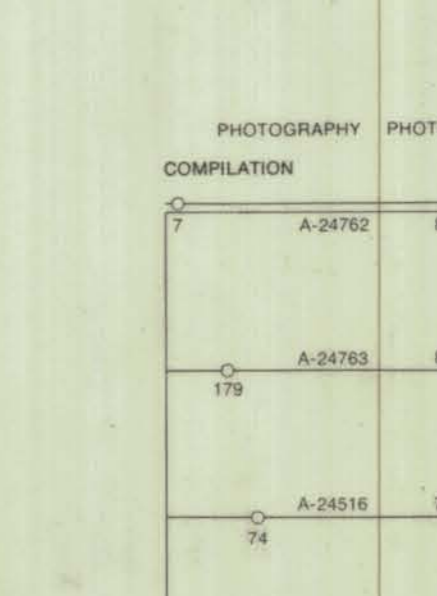
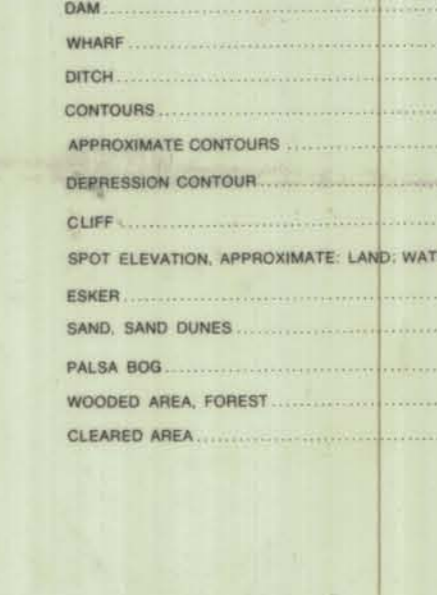
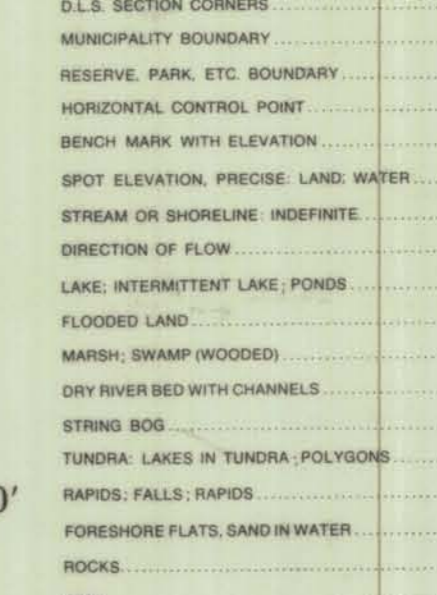
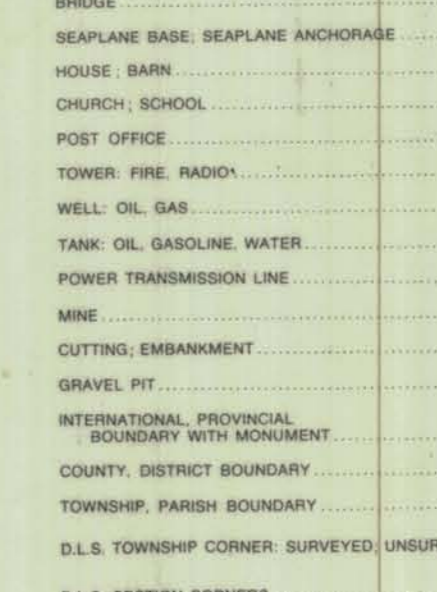
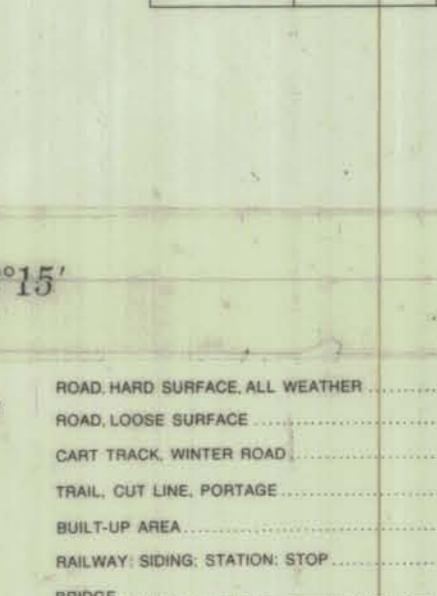
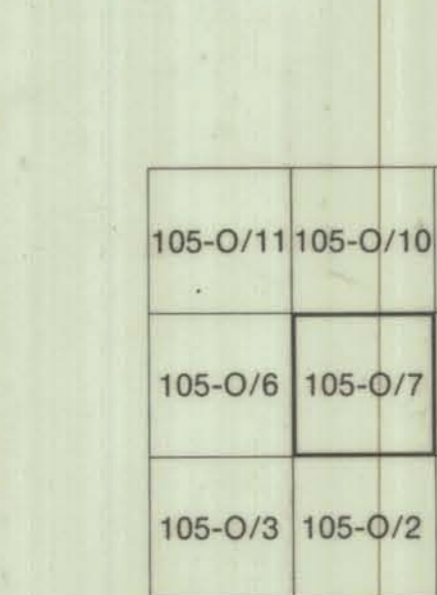
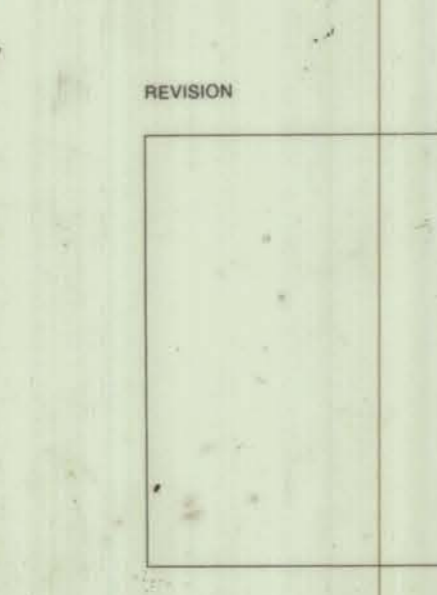
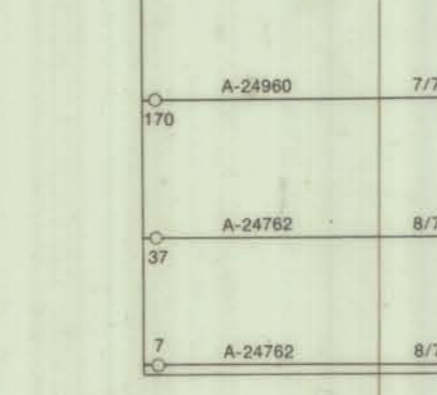
05'

63°00'

LEGEND - LÉGENDE

- ROAD HARD SURFACE ALL WEATHER
- ROAD LOOSE SURFACE
- CHART TRACK, WINTER ROAD
- TRAIL, CUT LINE, PORTAGE
- RAIL-YUP AREA
- RAILWAY SIDING, STATION, STOP
- BRIDGE
- SEAPLANE BASE, SEAPLANE ANCHORAGE
- HOUSE, BARR
- CHURCH, SCHOOL, POST OFFICE
- TOWER FIRE, MOUND
- WELL, OIL, GAS, TANK, WATER
- POWER TRANSMISSION LINE
- MINE, GRAVEL, PIT
- CUTLINE, EMBANKMENT
- INTERNATIONAL, PROVINCIAL, MUNICIPALITY BOUNDARY
- COUNTY, DISTRICT BOUNDARY
- TOWNSHIP, PARISH BOUNDARY
- MUNICIPALITY BOUNDARY
- RESERVE, SANCTUARY, PARK, ETC. BOUNDARY
- RESERVE, LANDMARK AREA BOUNDARY APPROXIMATE ETC.
- D.L.S. TOWNSHIP CORNER SURVEYED UNOBSERVED
- D.L.S. SECTION CORNER
- HORIZONTAL CONTROL POINT
- SECTION MARK WITH ELEVATION
- SPOT ELEVATION, PRECISE
- SPOT ELEVATION, APPROXIMATE
- EMER
- SAND, SAND DUNES
- METRIC AREA, FOREST
- WOODS AREA, FOREST
- CLEARED AREA

PHOTOGRAPHY COMPILED	PHOTOGRAPHY RESTITUTION
A-24780 7/78 190	VA 1
A-24800 7/78 198	VA 2
A-24782 8/77 01	VA 3
A-24782 8/77 02	VA 4



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

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