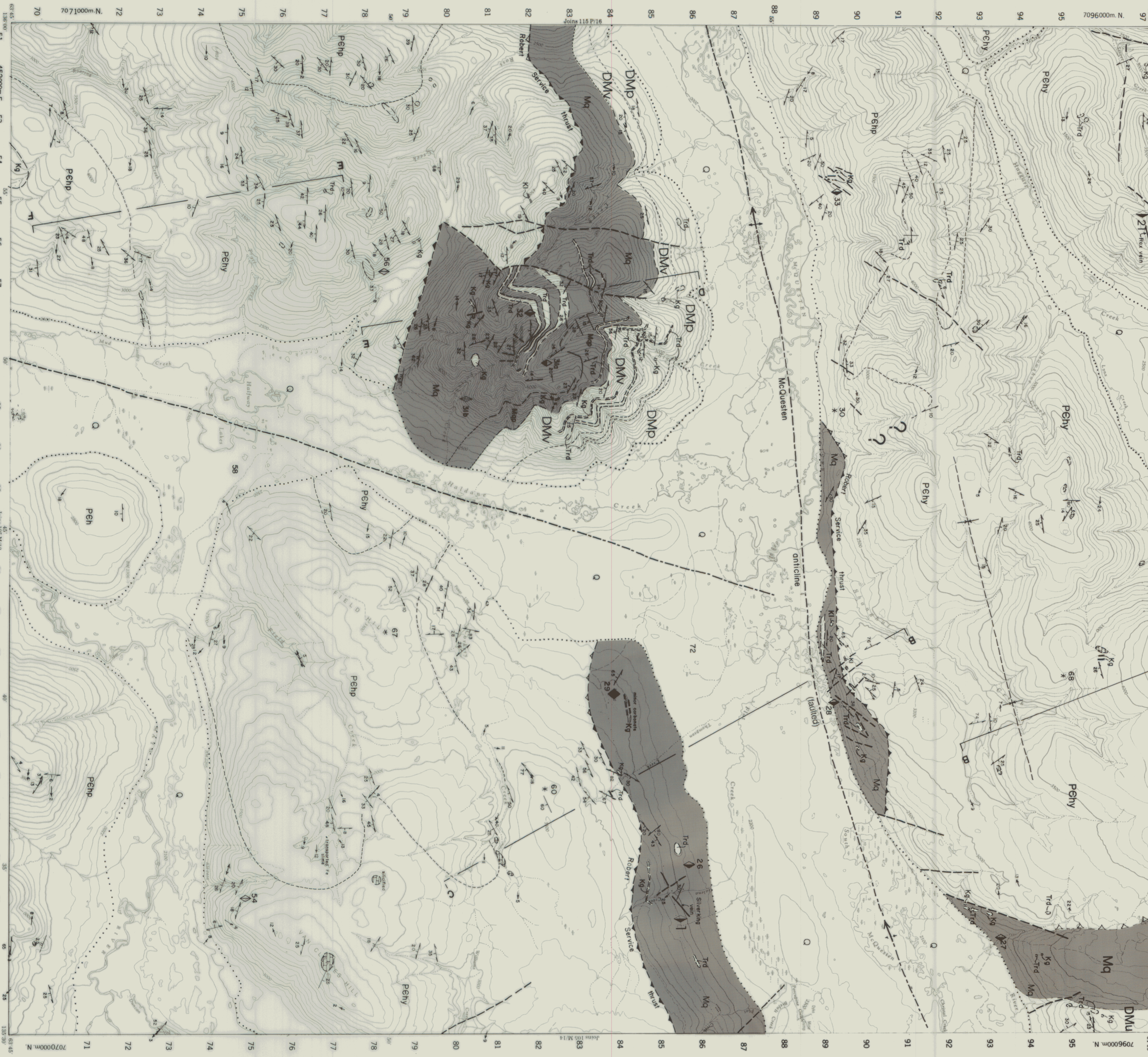




Canada
Yukon
1:50,000
EDITION 2
7



LEGEND

- Lithology**
- Quaternary**
 - Undifferentiated gravels, sands and clays
 - Cretaceous**
 - Buff to grey dikes, silt and small plugs of silt and granite, locally quartz, felspathic and/or biotite phytic, minor anorthopyrite
 - Fine to coarse grained, light grey, biotite amphibolytic dikes, locally felspathic
 - Triassic**
 - Dominantly, tallolean-concordant bodies of fine to medium grained greenstone (green amphibole-olivine-epidote-clase meta-oxide or meta-gabbro)
 - Mississippian**
 - Foliated, luggy, massive to thick bedded light to dark grey granular. Minor calcareous quartzite, locally calcareous quartzite
 - Foliated, thin bedded dark grey, graphic phyllite and granular. Minor calcareous quartzite
 - Devono-Mississippian**
 - Undifferentiated phyllite parambre
 - Foliated quartz-sarcolite-olivine phyllite (metavolcanic), locally quartz argill, and minor carbonaceous phyllite
 - Carbonaceous phyllite
 - Precambrian-Lower Cambrian**
 - Undifferentiated foliated and lineated phyllite and parambre, minor calc-phyllite and carbonate
 - Dominantly parambre with minor phyllite
 - Masses of carbonate outcrop including marble and calcareous marble
- Age Constraints**
- DMU** 1:50,000 map scale
 - DMV** 1:50,000 map scale
 - DMP** 1:50,000 map scale
 - DMW** 1:50,000 map scale
 - DMX** 1:50,000 map scale
 - DMY** 1:50,000 map scale
 - DMZ** 1:50,000 map scale
 - DM1** 1:50,000 map scale
 - DM2** 1:50,000 map scale
 - DM3** 1:50,000 map scale
 - DM4** 1:50,000 map scale
 - DM5** 1:50,000 map scale
 - DM6** 1:50,000 map scale
 - DM7** 1:50,000 map scale
 - DM8** 1:50,000 map scale
 - DM9** 1:50,000 map scale
 - DM10** 1:50,000 map scale
 - DM11** 1:50,000 map scale
 - DM12** 1:50,000 map scale

Mineral Occurrences

1 K-Ar date from quartz-hydro-phyllite granite sill (Kg) are with south west of the peak of Mount Haldane. 62 ± 5 Ma (GSC 65-49 reported in Wallace et al., 1987). Fission track 600m northwest of the peak of Mount Haldane. 89 ± 2.6 Ma (GSC 90-74 reported in Stevens et al., 1990). 2 U-Pb zircon and baddeleyite date from detrital sill in the Tombstone Mountains. 232 ± 1.5 ± 1.2 Ma (McKessip and Thompson, 1980). 3 Age assignment based on met-Mississippian (Yukon) conditions by M.J. Orchard, reported in McQuesten and Thompson, 1980. 4 Preliminary U-Pb zircon dates from this unit are Devono-Mississippian with little or no present concordance. 5 The unit is correlated with the lower part of the Wollastone Group (195-180 Ma; Turner and Alford, 1990).

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Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region
Open File 1983-6 (G)
GEOLOGICAL MAP OF MOUNT HALDANE (105M/13)
CENTRAL YUKON
by
J.A. Hunt and D.C. Murphy
Canada/Vision Mineral Development Agreement
Geoscience Office
C.F. Rogers and W.H. Peole
Geological Survey of Canada