Énergie, Mines et Ressources Canada | Energy, Mines and Resources Canada

GEOLOGICAL SURVEY OF CANADA | COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

Canada

105 K/4 | 1:50,000 | EDITION 1 | 105 K/4

LEGEND

Northeast of St.Cyr Fault

TERTIARY

Tv — Tv, undivided; Tv1, small stocks and necks of white weathering, flow-banded, rhyolitic, quartz-sanidine porphyry; Tv2, laminated rhyolitic ash-flow tuffs and flows; Tv3, dark grey weathering, locally amygdaloidal, dark grey-green basalt necks and flows; Tv4, massive quartz-feldspar porphyry

Ts — recessive, thick bedded to massive, pebble to boulder chert-quartz conglomerate, chert sandstone and thin bedded, dark brown siltstone and shale

TRIASSIC

Tsc — dark brown to black weathering shale, siltstone, and sandstone

DEVONIAN AND MISSISSIPPIAN

DMcsl — buff-orange weathering phyllite, calcareous phyllite and phyllitic, platy limestone; minor buff weathering dolomitic siltstone, black very fine crystalline limestone, black pyritic slate, and fine grained quartz arenite

ORDOVICIAN TO DEVONIAN

ODsl — moderately resistant, black weathering, siliceous, graphitic, black siliceous and pyritic slate

Southwest of St. Cyr Fault

MID-CRETACEOUS

Kg — resistant, grey weathering, locally foliated, biotite ± hornblende diorite, granodiorite, and granite

UPPER DEVONIAN AND? MISSISSIPPIAN

DMs — recessive, black weathering with rusty streaks, thin bedded, black siliceous slate and minor interbedded chert wacke and chert-granule grit

SILURIAN AND DEVONIAN

ASKIN GROUP

SDdq — resistant, medium grey to buff weathering, medium to thick bedded dolomite, sandy dolomite and quartz arenite

Sst — tan weathering, thin bedded, dolomitic, platy siltstone

CAMBRO-ORDOVICIAN

KECHIKA GROUP

OSs — black weathering, thin bedded, black graptolitic shale (preserved locally)

uЄOsl — grey-orange weathering, finely interlaminated, calcareous phyllite and grey limestone; abundant quartz-carbonate veins and pods

PRECAMBRIAN AND LOWER CAMBRIAN

PЄp — dark brown weathering, non-calcareous, dark blue-grey slate, siltstone and minor limestone; metamorphosed equivalents near Glenlyon Batholith are biotite-muscovite-quartz schist and minor marble; PЄp1, buff-orange to light grey weathering, thin bedded, argillaceous limestone and calcareous phyllite

- Limit of outcrop
- Geological boundary (defined, approximate, assumed, extrapolated beneath overurden where exposure warrants)
- Bedding (horizontal, inclined, vertical, overturned, tops unknown)
- Foliation (inclined, vertical)
- Wrinkle lineation, axis of small scale fold (inclined, horizontal)
- Fault, steeply dipping (defined, approximate, assumed, extrapolated beneath overburden; barb on downthrown side)
- Fault, thrust (defined, approximate, assumed, extrapolated beneath overburden, overturned; teeth on upper plate)
- Fault, transcurrent (defined, approximate, assumed, extrapolated beneath overburden; arrows indicate slip)
- Anticline (defined, approximate, assumed, extrapolated beneath overburden)
- Syncline (defined, approximate, assumed, extrapolated beneath overburden)
- Anticline, syncline (overturned)
- Mineral occurrence (showing, work target)
- Fossil locality
- (ODsl) Outcrop not present, map unit inferred (italic map unit symbols)

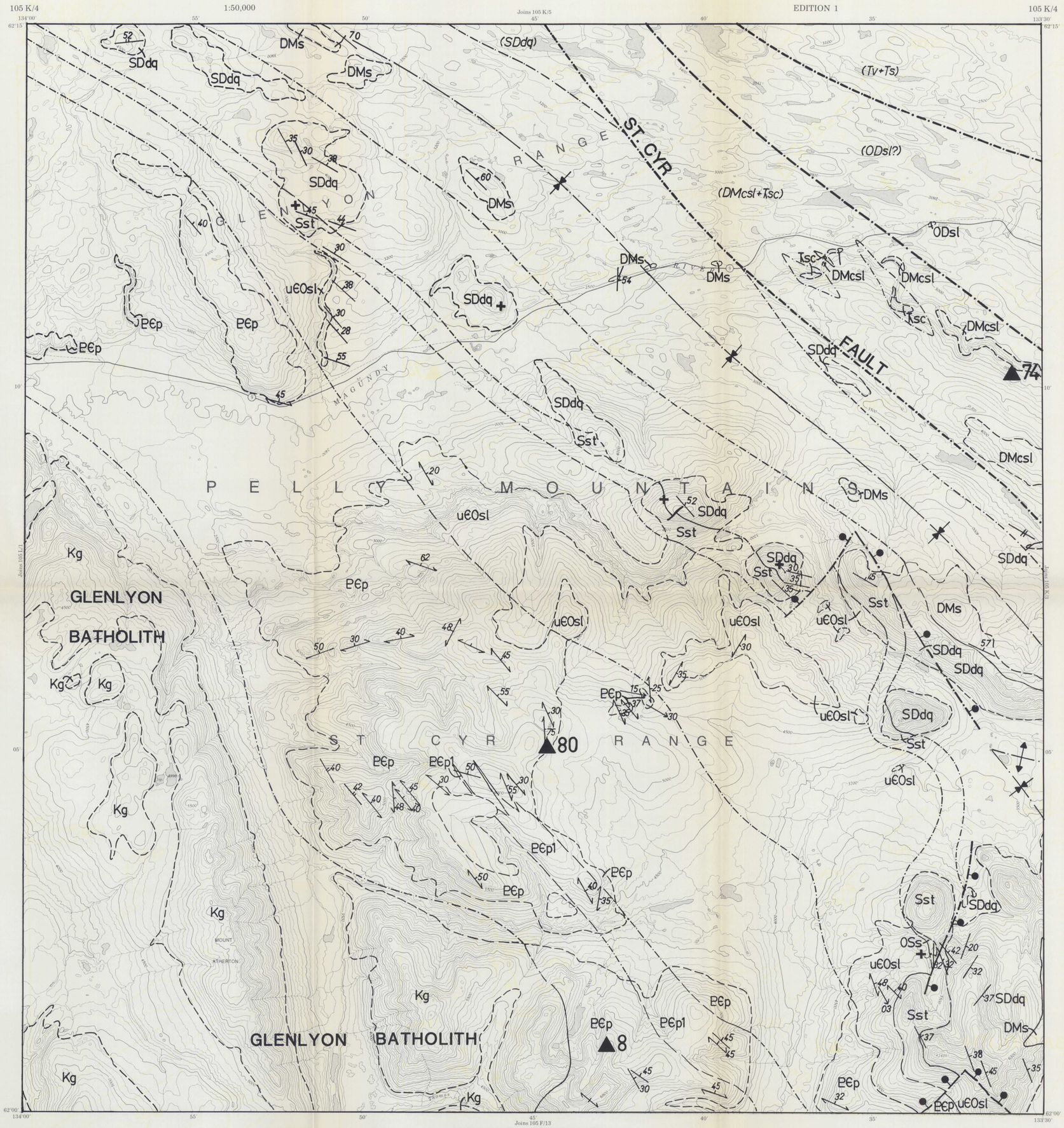
NOTES

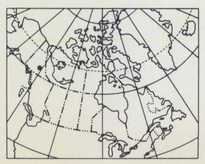
1) contacts are extrapolated, where exposure warrants, on basis of assumed simple structure
2) mineral occurrence numbers follow convention in Yukon Exploration 1987, Exploration and Geological Services Division, Dept. Indian and Northern Affairs, Yukon
3) only those formations or members occuring in map area are indicated in legend; for stratigraphic relationships, full legend, acknowledgements and sources of information see sheet 1
4) not all structural features indicated in legend may occur in map area

MINERAL OCCURRENCES

NO.	TYPE	NAME	DESCRIPTION
8	Zn	**Thomas**	skarn
74	Pb,Zn,Cu	**Dev**	stratabound, concordant; sphalerite, galena, pyrite, and chalcopyrite within bed of siderite
80	Zn,Pb (Ag,Sn)	**May**	sheet like sphalerite-bearing diopside skarn zones within intrusive aureole.

Geology by S.P. Gordey 1985, 1986, 1987





INDEX MAP

MOUNT ATHERTON
YUKON TERRITORY

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

OPEN FILE #	AREA
2249	105K/1,2,3
2250	105K/4,5,6
2251	105K/7,10,11

	11	10	
5	6	7	
4	3	2	1

105K/04

OPEN FILE 2250

SHEET 2 OF 4