MACKENZIE CORRIDOR

PROTEROZOIC

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1273
GEOLOGICAL SURVEY
COMMISSION GEOLOGIQUE
OTTAWA

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Kilometres 25 0 25 50 75 Kilometres
Miles 20 0 20 40 Miles

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GSC SURFACE GEOLOGICAL MAPS & REPORTS

Fig. 1 Rec. 388

OUTCROP LEGEND

- Western edge of Precambrian igneous and metamorphic rocks
- Western edge of Precambrian unmetamorphosed strata
- Precambrian outliers or hills

SUBSURFACE LEGEND

Abbreviated strip logs, Pre-Identifiable Paleozoic (PIP) rocks

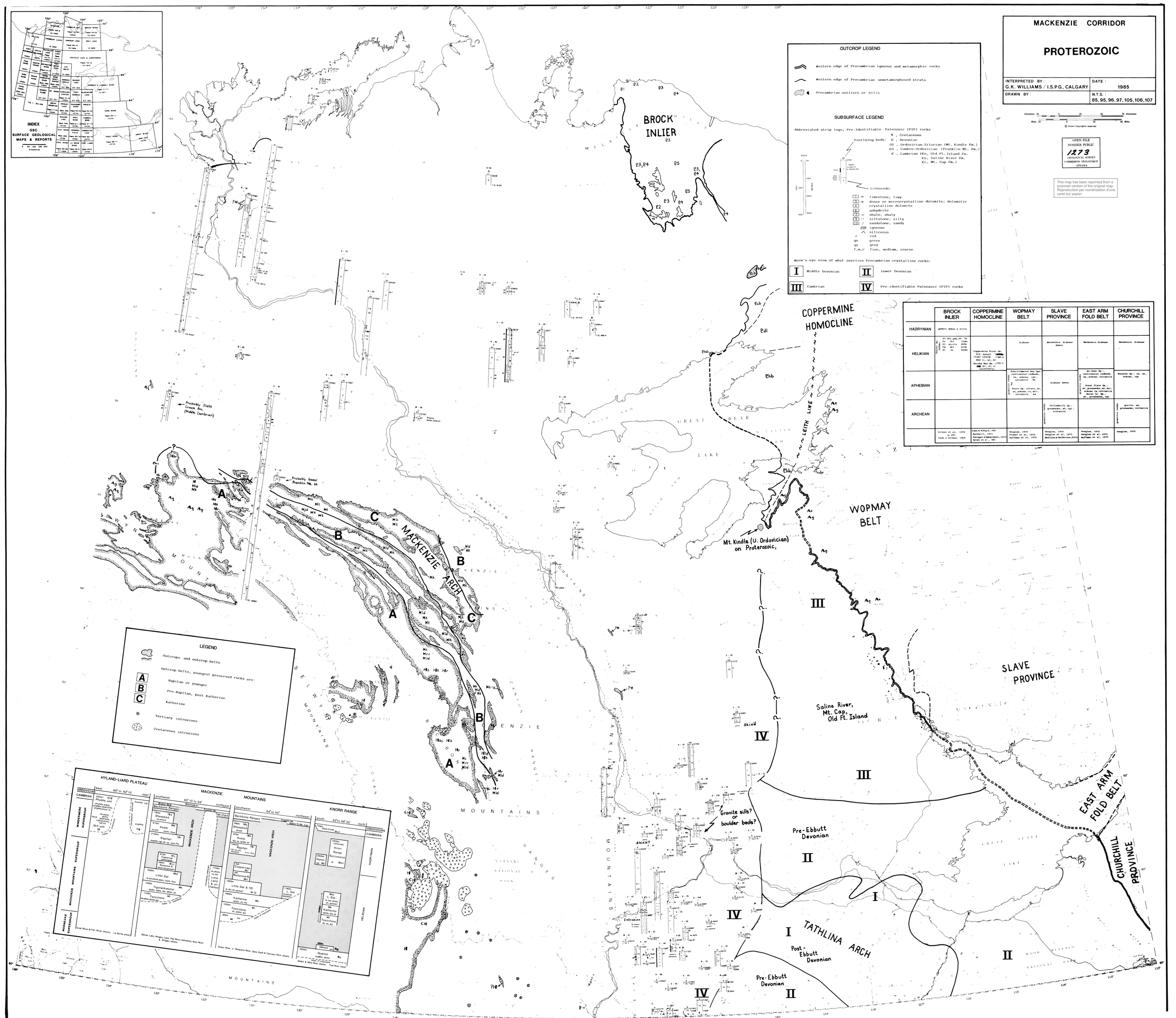
Overlying beds:
- K , Cretaceous
- D , Devonian
- OS , Ordovician-Silurian (Mt. Kindle Fm.)
- €O , Cambro-Ordovician (Franklin Mt. Fm.)
- € , Cambrian (€o, Old Ft. Island Fm. €s, Saline River Fm. €c, Mt. Cap Fm.)

lithocode:
- limestone; limy
- dense or microcrystalline dolomite; dolomitic
- crystalline dolomite
- anhydrite
- shale; shaly
- siltstone; silty
- sandstone; sandy
- igneous
- siliceous
- r red
- gn green
- gy grey
- f,m,c fine, medium, coarse

Worm's-eye view of what overlies Precambrian crystalline rocks:

I Middle Devonian
II Lower Devonian
III Cambrian
IV Pre-identifiable Paleozoic (PIP) rocks

	BROCK INLIER	COPPERMINE HOMOCLINE	WOPMAY BELT	SLAVE PROVINCE	EAST ARM FOLD BELT	CHURCHILL PROVINCE
HADRYNIAN	gabbro dykes & sills					
HELIKIAN	Hunter Bay: P5 dol, gyp, sh, ha; P4 dol 150m; P3 slt/sh 460m; P2 dol 245m; P1 sh 900m	Coppermine River Gp., Peb basalt 1800m; Dismal Lakes Gp. Phd ss, cgt, dol; Hornby Bay Gp. ±1500 m PHB dol, sh, ss unconformity.	diabase	Mackenzie diabase dykes	Mackenzie diabase	Mackenzie diabase
APHEBIAN			granitic rocks: Echo Lk-Cameron Bay Gps. continental redbeds, ss, arkose, cgt; volcanics ka; Snare Gp: slt/sh, sh, ss, arkose, ls, dol; volcanics ka	diabase dykes	granitic rocks: Et-then Gp.: continental redbeds, ss, arkose, volcanics; Great Slave Gp.: sh, greywacke, ss, dol, arkose ls; volcanics Union Is. Gp.: sh, greywacke, cgt	Monache Gp.: ss, sh, arkose, cgt
ARCHEAN			granitic rocks: Yellowknife Gp.: greywacke, sh, cgt; volcanics			granitic rocks: gneiss, sh, greywacke, volcanics
	Aitken et al., 1976 p. 45; Cook & Aitken, 1969	Cook & Aitken, 1969; Balkwill, 1971; Baragar & Donaldson, 1973; Kerans et al., 1981	Douglas, 1970; Fraser et al., 1970; Hoffman et al., 1970	Douglas, 1970; Douglas et al., 1973; McGlynn & Henderson, 1970	Douglas, 1970; Douglas et al., 1973; Hoffman et al., 1970	Douglas, 1970

LEGEND

- Outcrops and outcrop belts
- Outcrop belts, youngest preserved rocks are:
  - A Rapitan or younger
  - B Pre-Rapitan, post Katherine
  - C Katherine
- Tertiary intrusions
- Cretaceous intrusions