

LEGEND

LATE PROTEROZOIC	D - Diabase dykes and sills
	H - Undifferentiated sediments and volcanics; includes the Parry Bay Formation, Kanuyak Formation, and Coppermine River Group.
	E ₂ - Kaolinitic quartzite; E ₂₀ - with quartz-pebble conglomerate
ELLICE FORMATION	E ₁ - Quartz-pebble conglomerate
(unconformity)	
	T ₂ - Arkose, pebbly arkose
TINNEY COVE FORMATION	T ₁ - Polymictic conglomerate, coarse-grained arkose
(Angular unconformity)	
EARLY PROTEROZOIC	
AMAGOK FORMATION	A - White to mauve coarse-grained moderately indurated arkose; minor conglomerate.
	B ₁ - Intraformational intrusive breccia
	B ₂ - White quartzite (Brown Sound?)
	B ₃ - Red well-indurated arkose succession interstratified with white and mauve coarse-grained moderately indurated arkose successions
	B ₃₀ - Thin vesicular basalt flows interstratified with red arkose
BROWN SOUND FORMATION	B ₃₁ - Red medium to fine-grained well-indurated arkose
	B ₃₂ - Ferruginous, carbonated muddy siltstone and very fine sandstone
	B ₃₃ - Chaotic intraformational breccia and slumped exotic carbonate blocks
	B ₃₄ - Buff-brown medium to coarse-grained arkose
	B ₃₅ - Ferruginous, calcareous mudstone; salt casts abundant at the base
	K ₁ - Stromatolitic carbonate, clastic carbonate, mudstone; edgewise conglomerate abundant; minor mudstone
KHUVIK FORMATION	K ₂ - Stromatolitic carbonate, clastic carbonate; intraformational conglomerate abundant; minor mudstone
	K ₃ - Very thick beds of interstratified carbonate and red and green mudstone (>50% carbonate)
	K ₄ - Thin-bedded carbonate-mudstone rhythmites (<20% carbonate)
	K ₅ - Red and green mudstone and siltstone with minor carbonate (Contwoyto Lake area, equivalent to P ₁ -P ₂)
	P ₁ - Thin-bedded red and green mudstone-carbonate rhythmites; minor concretionary mudstone
	P ₂ - Thin-bedded mudstone-carbonate rhythmites; minor concretionary mudstone
	P ₃ - Thin-bedded green, red and red-brown mudstone rhythmites; massive thick-bedded siltstones with rare concretions or lenses of calcarenite
	P ₄ - Thin-bedded red and green mudstone rhythmites; minor concretionary mudstone and carbonate beds
	P ₅ - Grey-green mudstone, minor sandstone; occurs as a subunit in P ₄
PEACOCK HILLS FORMATION	P ₆ - Stromatolitic carbonate; clastic carbonate; minor calcareous quartzite; intraformational breccia; minor mudstone
	P ₇ - Quartzose greywacke; grey-green siltstone (Hookinghose Lake only)
	P ₈ - Red siltstone and fine-grained sandstone; minor quartzite; granitic hematite ironstone or plumbite dolomite at the top
	P ₉ - Pisolitic quartzstone dolomite; granular hematite ironstone; minor red or pink quartzite
BURNSIDE RIVER FORMATION	B ₁ - Red siltstone; fine-grained subarkose; minor red mudstone and shale; minor rare stromatolitic carbonate
	B ₂ - Pink, white, red quartzite and minor subarkose; quartz-pebble conglomerate; rare shaly or muddy partings
	B ₃ - Red mudstone, minor dolomite (in south only)
	B ₄ - Arenaceous dolomite; dolocarenite; minor stromatolitic carbonate; dolomitic quartz-pebble conglomerate
WESTERN RIVER FORMATION	
UPPER ARSILLITE MEMBER (U ₁)	U _{1A} - Grey, buff, red siltstone and mudstone; minor quartzite
	U _{1B} - Red mudstone and argillite
QUARTZITE MEMBER (Q ₁)	Q _{1A} - Fine-grained red and pink quartzite and rare arkose
	Q _{1B} - Red mudstone and argillite; minor grey-green greywacke
	Q _{1C} - Stromatolitic carbonate; dolocarenite and dolosiltite; minor fine-grained white or pink quartzite (Beechey Platform)
	Q _{1D} - Grey-green coarse-grained greywacke
RED SILTSTONE MEMBER (R ₁)	R _{1A} - Red siltstone and argillite; minor quartzite
	R _{1B} - Quartzite; minor dolomite and mudstone
	R _{1C} - Red, grey concretionary mudstone
	R _{1D} - Grey concretionary mudstone; minor dolomite
	R _{1E} - White, pink protoquartzite; minor quartzose carbonate
LOWER ARSILLITE MEMBER (L ₁)	L _{1A} - Stromatolitic carbonate; clastic carbonate; minor quartzite and calcareous quartzite (Kilmort Platform)
	L _{1B} - Thin-bedded limestone, dolomite and siltstone
	L _{1C} - Interbedded siltstone, quartzite, thick-bedded quartzose turbidites (A-X beds); minor subarkose
	L _{1D} - Quartzite, argillite, quartz-pebble conglomerate; minor carbonate; argillite

SYMBOLS

- Bedding - tops known, inclined, vertical, overturned.
- Contact - between formations, defined, approximate, assumed
- Contact - between members, defined, approximate, assumed
- Fault - defined, approximate, assumed
- Anticline, plunge where indicated
- Syncline, plunge where indicated
- Indicated members are present, but not differentiated due to scale of map
- Settlement.

Notes:

The geology for map sheet 76G was modified from that of Tremblay (1971), and that for 76E from Tremblay (1967). The geology of 86H was modified from that of Bostock (1967), and for 77A from Fraser (1964).

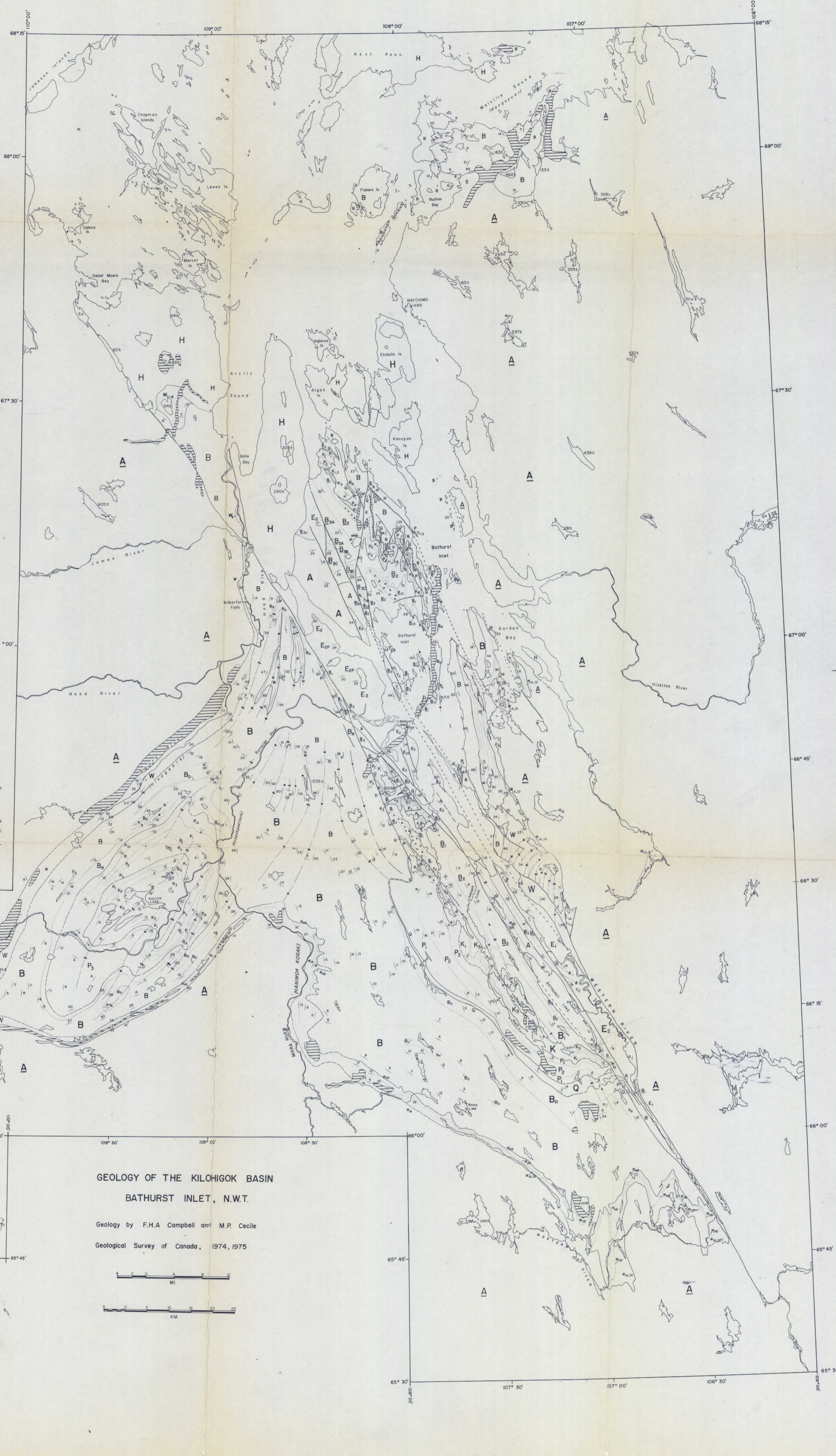
References

Bostock, H.H., 1967: Geological notes on the Iichen Lake Map-Area, District of MacKenzie; Geol. Surv. Can., Paper 66-24.

Fraser, J.A., 1964: Geological notes on the Northeastern District of MacKenzie; Geol. Surv. Can., Paper 63-40.

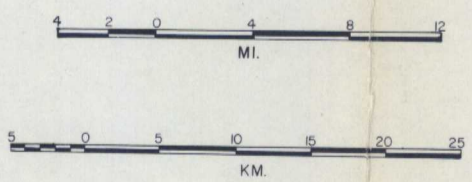
Tremblay, L.P., 1967: Contwoyto Lake area (north half), District of MacKenzie; Geol. Surv. Can., Paper 67-28.

1971: Geology of the Beechey Lake map-area, District of MacKenzie - A Part of the western Canadian Precambrian Shield; Geol. Surv. Can. Mem. 365.



**GEOLOGY OF THE KILOHIGOK BASIN
BATHURST INLET, N.W.T.**

Geology by F.H.A. Campbell and M.P. Cecile
Geological Survey of Canada, 1974, 1975



Index to N.T.S. Map-sheets

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