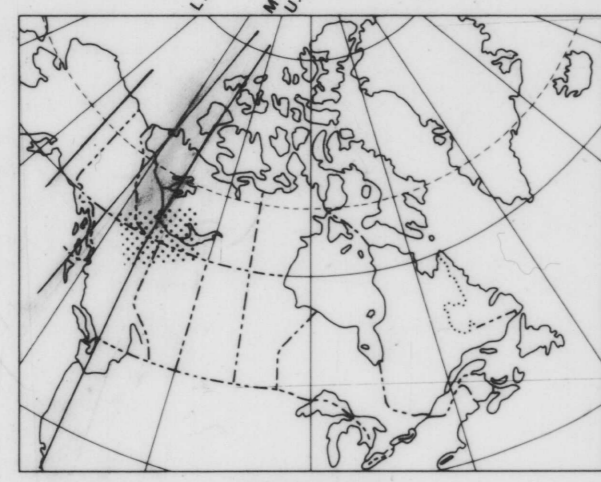


Paleo equators (below) from Fig. 3 in Heckel & Witzke, 1979



LIEU DE LA CARTE

LEGEND
Paleogeology of the uplands not covered by earliest Devonian sediments

- C** Cambrian
- PP** Proterozoic and/or Paleozoic
- P** Proterozoic
- PC** Precambrian Shield
- Approximate geological boundary
- - - Mappable limit or highly uncertain geological boundary

Thicknesses (metres)

- Isopach, base of Ebbutt or mid-Chinchaga clastic markers to base of Devonian
- x 517 Well, outcrop control point, above interval
- o Well, isopach, top of Chinchaga Fm. to base of Devonian in areas where mid-Chinchaga clastic marker is not identified

AA' & BB' Line of cross-section

Facies lines

Western and eastern limits of a belt that is transitional from normal-marine carbonates of the Arnica or Stone Fms. west of line a to restricted evaporite deposits of the Bear Rock or Lower Chinchaga Fms. east of line b

Transition from brown to tan anhydrite and dolomite of the Bear Rock or Lower Chinchaga Fms. to a section dominated by redbeds southeast of the line c

Limit of Cold Lake salt (present in basinal areas)

■ Wells in which coarse crystalline dolomite (Manetoe facies) is present

REDBEDS Formation names and/or rock types that immediately underlie the Ebbutt or mid-Chinchaga clastic markers

● Wells used in Fig. 2 in Belyea (1970) to illustrate the mid-Chinchaga clastic marker

NORTHERN ELK POINT BASIN	GREAT SLAVE LAKE	NORTH OF TATLINA HIGH	SOUTHERN MACENZIE MOUNTAINS	NORTHERN ROCKY MOUNTAINS	AGE
Keg River	Lonely Bay	Lonely Bay	Nahanni	Dundin	MIDDLE
Chinchaga	Upper Willow Lake	Headless	Arnica	Stone	DEVONIAN
Lower Cold Lake	Bear Rock				
Ernestina Lake	Fitzgerald		Sombra	Wokpash	LOWER
Basal redbeds	Mirage Pt.		Camsell	Muncho-McConnell	SILURIAN
			Delorme	Nonda	ORDOVICIAN
			Mt. Kinde		CAMBRIAN
			Whittaker		PRECAMBRIAN
			Franklin Mt.		

Correlation chart, heavy lines are boundaries of isopached interval

MIDDLE DEVONIAN CARBONATE BARRIER-COMPLEX OF WESTERN CANADA

MAP 2: PRE-BARRIER DEVONIAN SEDIMENTS (EXTENDING INTO THE EIFELIAN STAGE)

Compiled by G.K. Williams, ISPG, Calgary, 1981

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