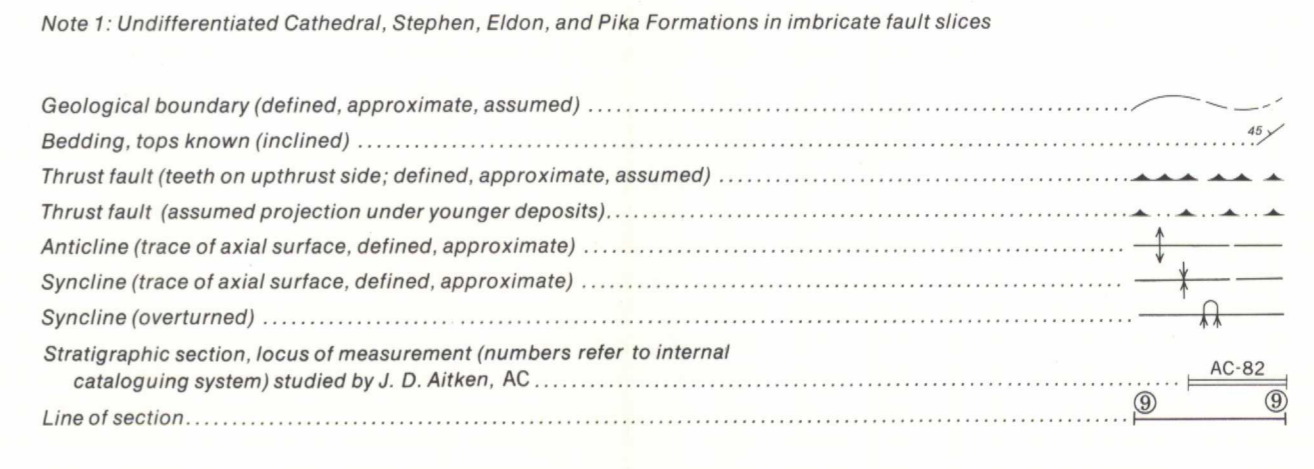


LEGEND

CENOZOIC	QUATERNARY	PLEISTOCENE AND RECENT	Qd	Till, alluvium, colluvium	
	CRETACEOUS	UPPER CRETACEOUS	Kbr	BELLY RIVER FORMATION: massive, greenish grey, fine- to medium-grained sandstone, green siltstone and shale, chert-pebble conglomerate	
MESOZOIC	ALBERTA GROUP (Kbk-Kwp)	Kwp	WAPIABI FORMATION: dark grey to black concretionary shale, silty shale, siltstone, thin sandstone interbeds		
		Kcr	CARDIUM FORMATION: grey, fine- to medium-grained, crossbedded sandstone, siltstone and silty shale		
		Kbk	BLACKSTONE FORMATION: black, fissile shale and silty shale; dark grey sandstone		
		LOWER CRETACEOUS	BLAIRMORE GROUP	Kbl	Greenish grey, fine- to coarse-grained sandstone; green and red shale; chert-pebble conglomerate
	JURASSIC AND (?) CRETACEOUS	Jkk	KOOTENAY FORMATION: fine-grained, dark grey, crossbedded sandstone, and siltstone; black shale; coal		
	JURASSIC	FERNIE GROUP	Jf	Dark grey to black shale; dark grey siltstone and sandstone; dark grey, platy, silty argillaceous limestone; brown, limonitic, quartz sandstone	
	TRIASSIC	SPRAY RIVER GROUP (Rsm-Rwh)	Rwh	WHITEHORSE FORMATION: light grey dolomitic siltstone and sandstone; red, green and brown mudstone and siltstone, limestone and dolomite breccia	
	Rsm	SULPHUR MOUNTAIN FORMATION: dark grey and brown, thin-bedded siltstone, silty mudstone, shale, and dolomitic siltstone			
	PERMIAN AND PENNSYLVANIAN	ROCKY MOUNTAIN GROUP	Pprm	Light grey quartz sandstone, dolomitic sandstone, silty dolomite; chert	
	PALEOZOIC	MISSISSIPPIAN	Mmh	MOUNT HEAD FORMATION: dense, dark grey limestone and argillaceous dolomite; grey limestone and calcarenitic limestone; cherty and silty dolomite and limestone	
Mtv			TURNER VALLEY FORMATION: light grey skeletal calcarenite and calcarenitic limestone; cherty limestone; dolomite		
Msh		SHUNDA FORMATION: light to dark grey, dense limestone, calcarenitic limestone; and cherty limestone			
Mpk		PEKISKO FORMATION: light grey skeletal calcarenite, calcarenitic limestone; cherty limestone, and dolomite			
Mbf		EXSHAW AND BANFF FORMATIONS: dark grey, finely crystalline, thin-bedded limestone; dark brownish grey shale and calcareous shale, brown argillaceous siltstone, argillaceous and cherty skeletal calcarenitic limestone, and argillaceous dolomite			
MR		RUNDLE GROUP			
CAMBRIAN AND ORDOVICIAN		€0sp	SURVEY PEAK FORMATION: shale, grey, calcareous; interbedded with limestone, partly dense, partly fragmental, partly algal masses; minor chert; basal shales, calcareous, grey to olive, weathering pale greenish grey; minor limestone, mainly flat-pebble conglomerate, and siltstone		
		UPPER CAMBRIAN	€1ku	LYNX GROUP (upper part) Dolomite, mainly grey mottled, locally tinged or speckled with pink, microcrystalline, silty, grading to dolomitic siltstone; commonly laminated, thin to thick bedded; chert nodules	
			€su	SULLIVAN FORMATION: shale, grey to green, with thick interbeds of oolitic and fossiliferous limestone, limestone-pebble conglomerate, and derived orange-weathering dolomite; dolomitic siltstone near the base	
		MIDDLE AND UPPER CAMBRIAN	€wf	WATERFOWL FORMATION: dolomite, grey to pink, very finely crystalline to microcrystalline, partly silty and sandy, laminated, thin to thick bedded; minor dolomitic siltstone; chert nodules	
MIDDLE CAMBRIAN	€ar	ARCTOMYS FORMATION: thinly interbedded; purple-red, green and grey shale; yellow, dolomitic siltstone with ripple-marks, mud cracks, and salt casts; and minor yellow-weathering dolomite			
Following units are in cross-sections only					
€pk	PIKA FORMATION: grey, dense, thin-bedded, flaggy limestone with partings and mottling of dense dolomite, limestone-pebble conglomerate; oolite; dolomitized equivalents; minor shale intervals near the base				
€el	ELDON FORMATION: dense, predominantly grey, dolomite-mottled, massive limestone; dolomitized equivalent				
€st	STEPHEN FORMATION: shale, grey to green, with interbeds of dense and oolitic limestone and limestone-pebble conglomerate				
€ca	CATHEDRAL FORMATION: limestone, predominantly grey, dense, dolomite-mottled, massive, dolomitized equivalent				
€mw	MOUNT WHITE FORMATION: interbedded shale, grey to green, and limestone, dense, oolitic, and fossiliferous, and limestone-pebble conglomerate; at the base, green, burrowed, argillaceous and glauconitic siltstone				
LOWER CAMBRIAN	GOG GROUP	€gg	Mainly quartzite and quartzose sandstone, white, grey, red, thick bedded; minor, thinly interbedded sandstone and grey shale		
PROTEROZOIC	UPPER PROTEROZOIC	WINDERMERE SUPERGROUP	MIETTE GROUP	€mi	Grey slate and siltstone; poorly sorted grey and greenish grey felspathic quartz sandstone and pebble and granule conglomerate; green and purple slate, dense limestone and sandy limestone conglomerate



Geology by E. W. Mountjoy and R. A. Price based on studies of vertical air photographs (1964-1970), ground and air observations by J. D. Aitken, D. G. Cook, E. W. Mountjoy, and R. A. Price (1964-1966) and published geological maps

Geological cartography by D.J. Walter, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

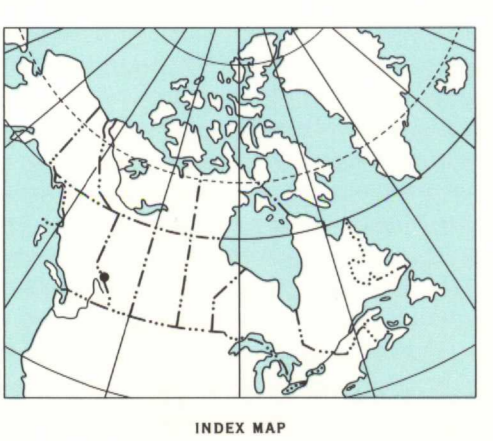
Base-map at the same scale published by the Surveys and Mapping Branch in 1961

Copies of the topographical edition of this map may be obtained from the Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0E9

Approximate magnetic declination 1974, 22° 50' 8" East, decreasing 2.7" annually

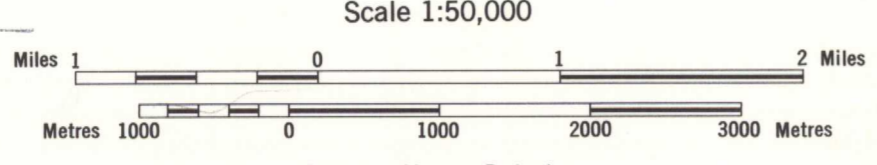
Elevation in feet above mean sea-level

Copies of this map may be obtained from the Geological Survey of Canada, 603 Booth Street, Ottawa, Ontario K1A 0E9, 3303-33rd Street N.W., Calgary, Alberta T2L 2A7



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ALBERTA



83C1	83C6	83B5
55-34	884A	885A
83C2	83C5	83B4
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