

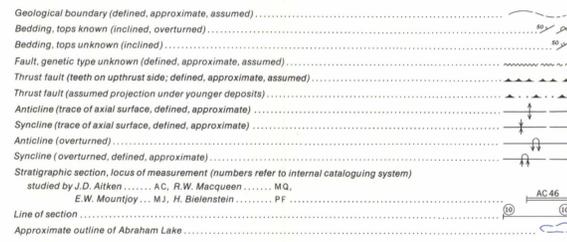


LEGEND

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		
		Kwp	ALBERTA GROUP (Kwb-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 BALMORAL GROUP	Kbl	Greenish grey, fine- to coarse-grained sandstone; green and red shale; chert- pebble conglomerate	
	JKk		JURASSIC AND (?) CRETACEOUS KOOTENAY FORMATION: fine-grained, dark grey, crossbedded sandstone, and siltstone; black shale, coal		
	JURASSIC	Jf	FERNIE GROUP Dark grey to black shale; dark grey siltstone and sandstone; dark grey, platy, silty, argillaceous limestone; brown limonite, quartz sandstone		
		Jrwh	TRIASSIC SPRAY RIVER GROUP (Rsm-Rwh) WHITEHORSE FORMATION: light grey dolomitic siltstone and sandstone; red, green and brown mudstone and siltstone, limestone and dolomite breccia		
	PALEOZOIC	PERMIAN AND PENNSYLVANIAN ROCKY MOUNTAIN GROUP	Ppr	Light grey quartz sandstone, dolomitic sandstone, silty dolomite; chert	
MISSISSIPPIAN			Mmh	RUNDLE GROUP (Mmk-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			
PALEOZOIC		CAMBRIAN AND ORDOVICIAN	Os	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	Clx	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
				Csu	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	Cwf	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
	Car			MIDDLE CAMBRIAN 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	
	Cpk		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		
	Cel		ELDON FORMATION: dense, predominantly grey, dolomite-mottled, massive limestone; dolomitized equivalent		
	Cst		STEPHEN FORMATION: shale, grey to green, with interbeds of dense and oolitic limestone and limestone-pebble conglomerate		
	Cca		CATHEDRAL FORMATION: limestone, predominantly grey, dense, dolomite-mottled, massive, dolomitized equivalent		
	Cmw		MOUNT WHYTE 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	Cgg	Mainly quartzite and quartzose sandstone, white, grey, red, thick bedded; minor, thinly interbedded sandstone and grey shale			
	UPPER PROTEROZOIC WINDERMERE SUPERGROUP MIETTE GROUP	Emi	Grey slate and siltstone; poorly sorted grey and greenish grey feldspathic quartz sandstone and pebble and granule conglomerate; green and purple slate, dense limestone and sandy limestone conglomerate		

Note: Dfi, Dpx, and Dmh represent strata deposited basinward from the Cairn and Southesk Formations which represent reef-fringed banks

Note 1: Undifferentiated Cathedral, Stephen, Eldon, and Pika Formations in imbricate fault slices



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 J. A. Browne, 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

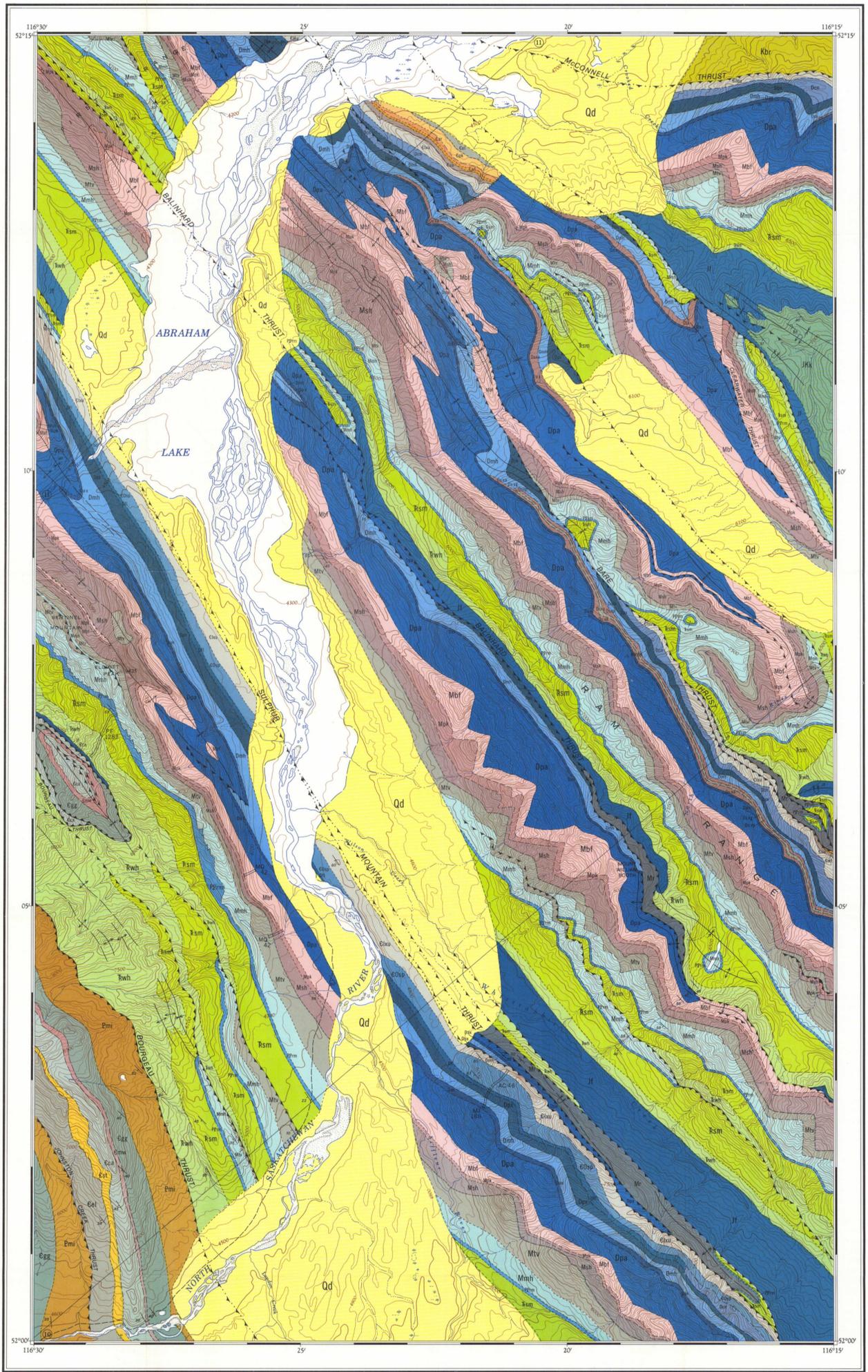
Base-map at the same scale published by the Surveys and Mapping Branch in 1961

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

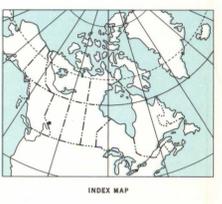
Approximate magnetic declination 1974, 22° 56.3' East, decreasing 2.7' annually

Elevation in feet above mean sea-level

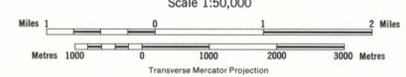
The shoreline of Abraham Lake is taken from information supplied by Calgary Power Limited



Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8, 3363 - 33rd Street N.W., Calgary, Alberta T2L 2A7



MAP 1389A
GEOLOGY
WHITERABBIT CREEK
(West Half)
WEST OF FIFTH MERIDIAN
ALBERTA
Scale 1:50,000



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83 C/2	83 C/1	83 W/4
1389A	1388A	46-22A
82 N/15	82 N/16	82 O/13
		1276A
		1275A

MAP 1389A
WHITERABBIT CREEK
(West Half)
ALBERTA

1389A

