

TABLE OF FORMATIONS, ALBERTA

ERA	PERIOD	AGE IN MILLIONS OF YEARS	NORTHERN MOUNTAINS AND FOOTHILLS		SOUTH-CENTRAL MOUNTAINS AND FOOTHILLS		SOUTHERN PLAINS		CENTRAL PLAINS		NORTHWEST PLAINS		NORTHEAST PLAINS		
			LAURENTIDE DRIFT		LAURENTIDE DRIFT		LAURENTIDE DRIFT		LAURENTIDE DRIFT		LAURENTIDE DRIFT		LAURENTIDE DRIFT		
CENOZOIC	TERTIARY	1.6													
		66.4	SAUNDERS		SAUNDERS		SAUNDERS		SAUNDERS		SAUNDERS		SAUNDERS		
	CRETACEOUS	UPPER		SMOKY		SMOKY		SMOKY		SMOKY		SMOKY		SMOKY	
				ALBERTA		ALBERTA		ALBERTA		ALBERTA		ALBERTA		ALBERTA	
				COLORADO		COLORADO		COLORADO		COLORADO		COLORADO		COLORADO	
				COLORADO		COLORADO		COLORADO		COLORADO		COLORADO		COLORADO	
		LOWER		LUSCAR		BLAIRMORE		MANNVILLE		MANNVILLE		FORT ST. JOHN		MANNVILLE	
				LUSCAR		BLAIRMORE		MANNVILLE		MANNVILLE		FORT ST. JOHN		MANNVILLE	
				LUSCAR		BLAIRMORE		MANNVILLE		MANNVILLE		FORT ST. JOHN		MANNVILLE	
				LUSCAR		BLAIRMORE		MANNVILLE		MANNVILLE		FORT ST. JOHN		MANNVILLE	
JURASSIC		NIKANASSIN		NIKANASSIN		NIKANASSIN		NIKANASSIN		NIKANASSIN		NIKANASSIN			
		NIKANASSIN		NIKANASSIN		NIKANASSIN		NIKANASSIN		NIKANASSIN		NIKANASSIN			
TRIASSIC		SCHOOILER CREEK		SPRAY RIVER		SCHOOILER CREEK		SCHOOILER CREEK		SCHOOILER CREEK		SCHOOILER CREEK			
		SCHOOILER CREEK		SPRAY RIVER		SCHOOILER CREEK		SCHOOILER CREEK		SCHOOILER CREEK		SCHOOILER CREEK			
PERMIAN	PENNSYLVANIAN	245	UPPER		RANGER CANYON		BELLOY		BELLOY		BELLOY		BELLOY		
		286	LOWER		JOHNSTON CANYON										
	MISSISSIPPIAN	320	RUNDLE		RUNDLE		RUNDLE		RUNDLE		RUNDLE		RUNDLE		
		360	RUNDLE		RUNDLE		RUNDLE		RUNDLE		RUNDLE		RUNDLE		
DEVONIAN	UPPER		FAIRHOLME		FAIRHOLME		WOODBEND		WOODBEND		WOODBEND		WOODBEND		
			FAIRHOLME		FAIRHOLME		WOODBEND		WOODBEND		WOODBEND		WOODBEND		
	MIDDLE		ELK POINT		ELK POINT		ELK POINT		ELK POINT		ELK POINT		ELK POINT		
			ELK POINT		ELK POINT		ELK POINT		ELK POINT		ELK POINT		ELK POINT		
CAMBRIAN	UPPER		LYNX		LYNX		LYNX		LYNX		LYNX		LYNX		
			LYNX		LYNX		LYNX		LYNX		LYNX		LYNX		
	MIDDLE		LYNX		LYNX		LYNX		LYNX		LYNX		LYNX		
			LYNX		LYNX		LYNX		LYNX		LYNX		LYNX		
PRECAMBRIAN		PRECAMBRIAN		PRECAMBRIAN		PRECAMBRIAN		PRECAMBRIAN		PRECAMBRIAN		PRECAMBRIAN			

LEGEND

LITHOLOGIC COLOUR CODE

- Glacial deposits (drift, soils)
- Clastics (sandstones, siltstones, conglomerates)
- Shales
- Carbonates (limestone, dolomite)
- Evaporites (anhydrite, halite)
- Precambrian

GEOLOGICAL CONTACTS

- Formation, group boundary
- Correlation uncertain
- Terminology transition
- Member, zone, unit boundary

RESOURCES OCCURRENCE

- Gas
- Oil
- Bitumen
- Coal mining
- Coal occurrences
- Shale gas potential

COMMENTS

The geological names used in the stratigraphic columns are grouped according to the geographic areas shown. The areas are described as follows:

- Northern Mountains & Foothills are approximately north of the Red Deer River and west of the Disturbed Belt.
- South-Central Mountains & Foothills are approximately south of the Red Deer River and west of the Disturbed Belt.
- Southern Plains are approximately south of Township 30 and east of the Disturbed Belt.
- Central Plains are approximately between Townships 65 to 126 and west of Range 7, west of the 5th Meridian.
- Northwestern Plains are approximately between Townships 65 to 126 and east of Range 7, west of the 5th Meridian.
- Northeastern Plains are approximately north of Townships 65 to 126 and east of Range 7, west of the 5th Meridian.

It is obvious that selective members and zones are not known to occur throughout entire areas and the usage of formational names cannot be defined rigidly within each area. Some overlapping of the nomenclature of the areas is possible and in some areas necessary. Wherever possible, older or alternative local names are shown in brackets.

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 ERCB INFORMATION SERVICES
 640-5 Avenue SW
 Calgary, Alberta, Canada T2P 3G4