Energy, Mines and Resources Canada

Énergie, Mines et Ressources Canada

GEOLOGICAL TIME SCALES

Million Years	SUB-ERA	ERA	EON
		CENOZOIC	PHANEROZOIC
		MESOZOIC	
500		PALEOZOIC	
		HADRYNIAN	PROTEROZOIC
1000	NEO-HELIKIAN	HELIKIAN	
1500	PALEO-HELIKIAN		
2000		APHEBIAN	
2500			ARCHEAN
3000			
3500			
4000			

TIME SCALE DISTORTED FOR LEGIBILITY

Million Years	PERIOD		ERA	EON
.007	Recent	Quaternary	CENOZOIC	PHANEROZOIC
2.5	Pleistocene			
65	TERTIARY			
135	CRETACEOUS		MESOZOIC	
195	JURASSIC			
225	TRIASSIC			
280	PERMIAN		PALEOZOIC	
320	PENNSYLVANIAN	CARBONIFEROUS		
345	MISSISSIPPIAN			
395	DEVONIAN			
440	SILURIAN			
500	ORDOVICIAN			
570	CAMBRIAN			

ARCTIC OCEAN

PACIFIC OCEAN

ATLANTIC OCEAN

2000m

500m

Volcano

Diapir

Carbonatite and alkalic intrusion

Ultrabasic intrusion

Fault

Thrust

IGNEOUS AND PLUTONIC ROCKS

- Acidic rocks
- Basic rocks
- Anorthosite
- Granitic gneiss
- Granulite
- Gabbro dyke

SEDIMENTARY AND VOLCANIC ROCKS

- CENOZOIC
- MESOZOIC
- Cretaceous
- PALEOZOIC
- Late Paleozoic
- Devonian
- Early Paleozoic
- Prot. and Pal.
- PROTEROZOIC
- HADRYNIAN
- HELIKIAN
- Neohelikian
- Paleohelikian
- APHEBIAN
- ARCHEAN

KILOMETRES 0 800

MILES 0 500

GEOLOGICAL MAP OF CANADA

CANADA 1842 GEOLOGICAL SURVEY - COMMISSION GÉOLOGIQUE

français au verso