

INDEX MAP OF NORTH AMERICA SHOWING EXTENT OF THE MAJOR UNITS DESIGNATED BY CAPITAL LETTERS IN THE LEGEND

LEGEND

PHANEROZOIC FOLDBELTS

Individual foldbelts, which are of different ages, are indicated by capital letters as follows: J, East Greenland; K, Inuitian; L, Appalachian; M, Ouachita; N, Andean; O, Cordilleran; P, Pacific; Q, Antillean. See also index map.

SEDIMENTARY UNITS

- Thick deposits in structurally negative areas
- Synorogenic and postorogenic deposits
- Miogeosynclinal deposits
- Eugeosynclinal deposits
- Early geosynclinal deposits  
Of Middle and Upper Proterozoic ages
- Basement massifs  
Mainly of Precambrian age. Includes metamorphic complexes that involve younger rocks

VOLCANIC AND PLUTONIC UNITS

- Postorogenic volcanic cover
- Granitic plutons  
Ages are generally within the span of the tectonic cycle of the foldbelts in which they lie
- Ultramafic rocks
- SPECIAL UNITS
- Eugeosynclinal deposits of the Pacific border  
Includes Franciscan Formation of California
- Exposed parts of Ouachita foldbelt
- Probable western extension of Inuitian foldbelt  
In cores of northern Alaska ranges

PRECAMBRIAN FOLDBELTS

Dark colors show areas of parashist and paragneiss derived from supracrustal rocks; light colors show areas of granite and orthogneiss of plutonic origin

- Grenville foldbelt  
Deformed 880-1,000 m.y. ago
- Hb  
Rocks of the Hudsonian foldbelt  
Overprinted by Elsonian event about 1,370 m.y. ago
- H  
Hudsonian foldbelts  
Deformed 1,640-1,820 m.y. ago  
Ha, Supracrustal geosynclinal deposits in the Hudsonian and Grenville foldbelts
- G  
Kenoran foldbelts  
Deformed 2,390-2,600 m.y. ago
- Anorthosite bodies  
In Grenville and Elsonian belts or, alternatively, in eastern Canadian Shield

PLATFORM AREAS

- Ice cap of Quaternary age  
On Precambrian and Paleozoic basement
- E  
Plateau basalts and associated rocks  
In North Atlantic province
- D  
Platform deposits on Mesozoic basement  
In Arctic Coastal Plain
- C  
Platform deposits on Paleozoic basement  
In Atlantic and Gulf Coastal Plains
- B  
Platform deposits on Precambrian basement  
In central craton
- A  
Platform deposits within the Precambrian  
Mainly in the Canadian Shield

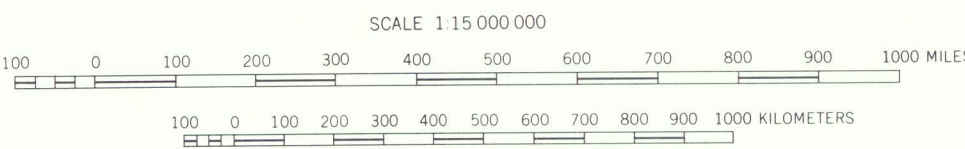
STRUCTURAL SYMBOLS

- Normal fault  
Hashures on downthrown side
- Transcurrent fault  
Arrows show relative lateral movement
- Thrust fault  
Barbs on upthrown side
- Subsea fault  
Long dashes based on topographic and geophysical evidence; short dashes, based on geophysical evidence only
- Axes of sea-floor spreading
- Flexure  
Arrows on depressed side
- Salt domes and salt diapirs  
In Gulf Coastal Plain and Gulf of Mexico
- Volcano
- Astrobleme
- Contours on basement surfaces beneath platform areas  
All contours are below sea level except where marked with plus symbols. Interval 1,000 meters



GENERALIZED TECTONIC MAP OF NORTH AMERICA

By  
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