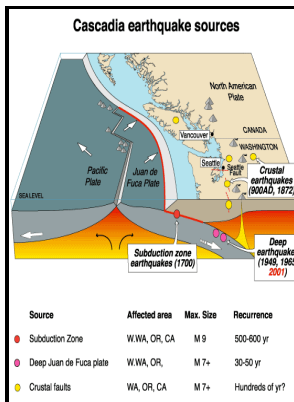


Tectonic map of Canada

Dept. of Mines and Technical Surveys - KGS



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Tectonic map of the Arctic

Here, the westbound North American plate overrides the Pacific plate, creating the highly faulted and folded ranges from the Rockies to the Coast Mountains.

Tectonic Evolution of the East Coast of Canada

It is assumed that the late Precambrian subsidence of the marginal basins in the Cordilleran and Appalachian regions was accompanied by parallel, though markedly less extreme, subsidence of the continental interior. Perhaps, if there were available for study more than a single complete orogenic sequence and part of a second, a more systematic picture could be developed. This region experienced rifting episodes that may have extended into the Late Cretaceous.

Ontario Map & Satellite Image

Furthermore, the discrepancy in the timing of the maxima and minima of activity is such as to suggest to the writer that no genuine interrelationship exists except, possibly, that the 450 million years which include times of both extracratonic and cratonic orogenesis may represent a phase of a very much longer cycle of tectonic activity in the crust and mantle. Mainland Nova Scotia was not folded during Taconic orogeny. Labels also indicate parallel mountain ranges when the narration explains how they are formed.

Incredible Map of Pangea With Modern

A base Tertiary unconformity, particularly prominent in the northern region, post-dates rifting. Sedimentary basins of these ages are prominently represented on the opposite northwest margin of the Canadian Shield in the Northwest Territories. Major Landslides Causing Fatalities Landslides are the downslope movements of sediment and rock.

Plate Tectonics

Each has a separate geology, including different metamorphic, physiographic, metallogenic and tectonic histories.

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