

Late Devonian - Early Carboniferous
(Famennian - Tournaisian)
(374 - 345Ma)



Key Features

- Intich of Goudswaen is squaroid or high western isohelms, linear from field and three belts
- Active tectonic interval: Development of Appalachian Foldings
 - Acadia, Azores, Iles de la Madeleine, Terrebonne, Fennoscandia, and Boreogwengwag regions
 - Rifting in the Deleir - Goures and Pelipet basins, Kistapet, Vilp, Assens
- High oceanic sea level, as culmination of long-term rise (since early Devonian)
- Strong influence on topography on precipitation/evaporation in Laurentia
- Well-developed reef complexes; widespread stromatolite zone
- Generally warm, periodic, carbonates, and evaporites expanded through the Devonian
- Moderate oceanic circulation; limited potential snow cover at South Pole because of albedo
- Pervasive oceanic oxygen minimum
- Development of vascular land plants and forests
- Widespread occurrence of marginal conditions: brackish water













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- | Formation | State/Zone |
|---------------------------|------------------|
| 1. Devonian Pn | Western Platform |
| 2. Devonian Shale | Western Canada |
| 3. Marine Shale | Pacific, Russia |
| 4. Woodford Shale | Arkansas, U.S.A. |
| 5. Antrim Shale | Michigan, U.S.A. |
| 6. Bakken Shale | Williston Basin |
| 7. Illini Shale | N.Atlantis |
| 8. New Albany Shale | Illinois, U.S.A. |
| 9. Albert Pn | Panely, U.S.A. |
| 10. Mid Old Red Sandstone | Crowley, U.K. |

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- Coastal/shelf margin
Coastal/shelf margin
Coastal/shelf margin
Coastal/shelf margin
Platform/ramp
Platform/ramp
Platform/ramp
Platform/ramp
Lacustrine, balanced-fill
Lacustrine, underfilled

Map Legend:

-  Highlands
 Lake
 Land
 Shelf Carbonate
 Shelf Unconsolidated
 Ocean Shale
 Hot Spot
 Knappton
 Monophos
 Coal
 Subduction Zone
 Spreading Ridge
 Plate Boundary