

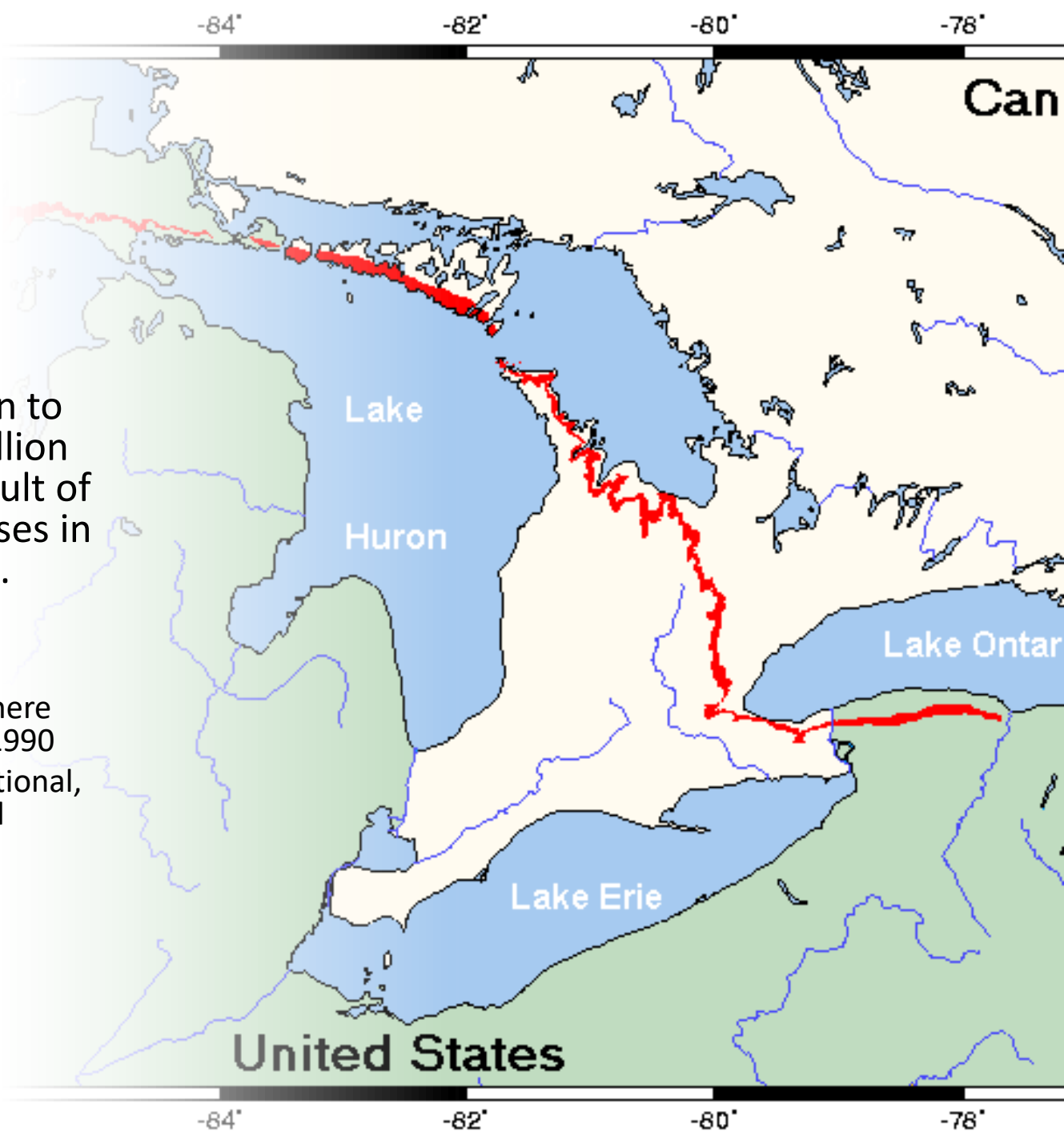


The Ancient Origins of the Niagara Escarpment

- By: Annette Sandberg
- Niagara Escarpment Biosphere Network

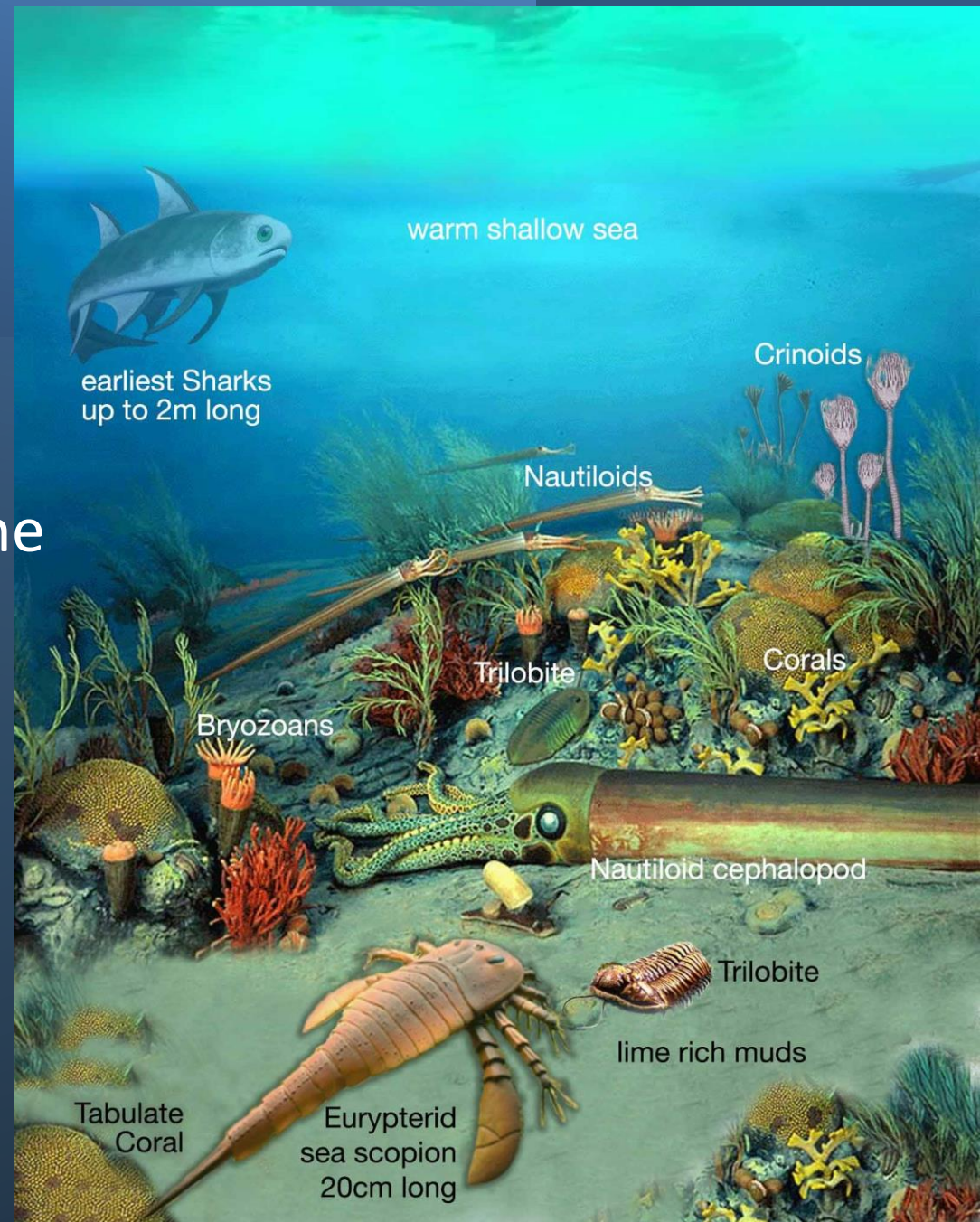
Geological Processes

- The Niagara Escarpment began to form over 450 million years ago as a result of geological processes in the Paleozoic Era.
- UNESCO World Biosphere Reserve Designation 1990
- United Nations Educational, Scientific, and Cultural Organizations
- Let's find out why!



SILURIAN SEA 443 – 419 MYA

- The foundation of the Niagara Escarpment was being developed during the Silurian Period of the Paleozoic Era.
- Tropical Shallow Seas was home to an abundance of sea life.





SILURIAN SEA
CHEPHLOPODS, TRILOBITES,
CRINOIDS, SPONGE



TRILOBITE



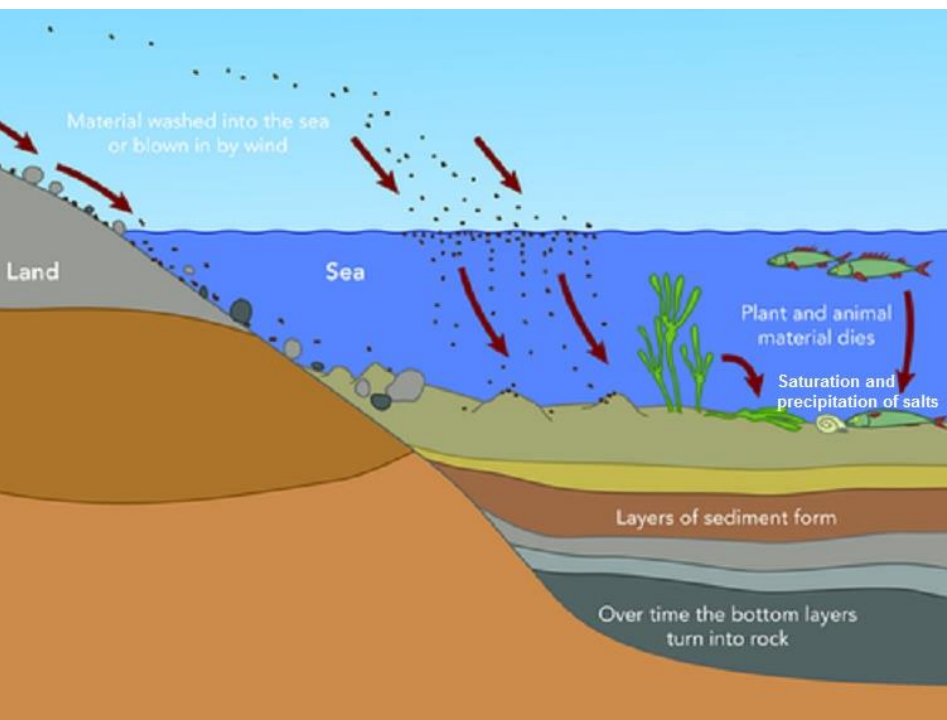
CEPHALOPOD



HORN CORAL



CRINOID

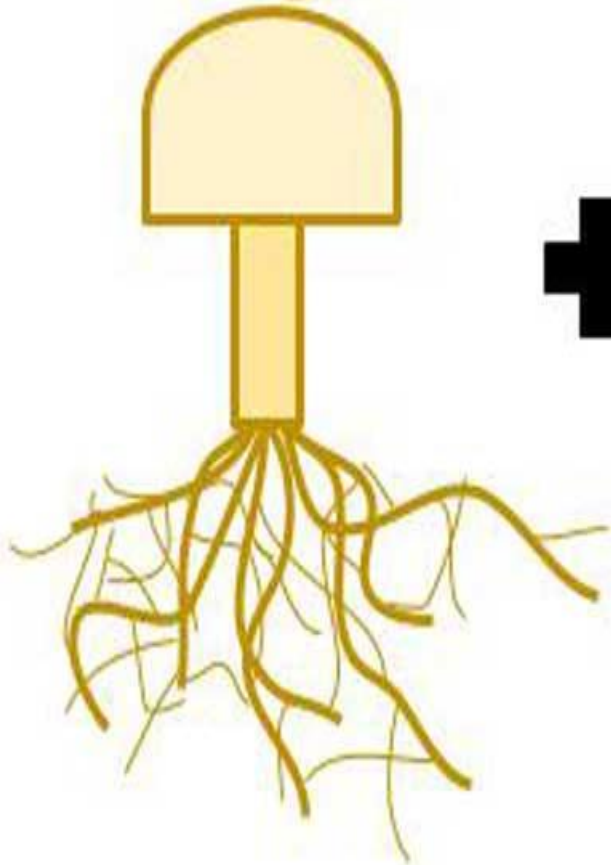


The Making of Stone

Over millions of years, coral reefs, shellfish, and sediments settled to the sea floor and formed the limestone and dolostone layers that became the bones of the Escarpment.

Life Takes Root

Fungus



Algae



Lichen



PIXIE LICHEN, & MOSS ON ROTTING STUMP

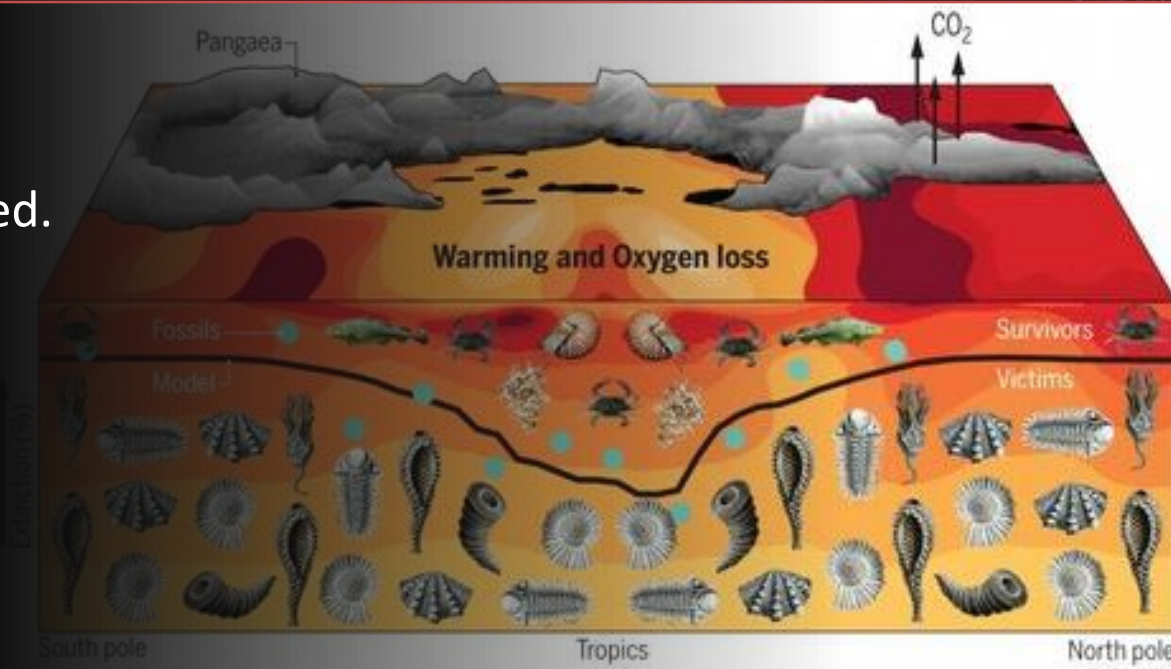




THE GREAT DYING

251 MYA

96% of all Marine life died.



Restless Earth



PANGEA – EARTH'S SUPERCONTINENT

THE AGE OF ICE



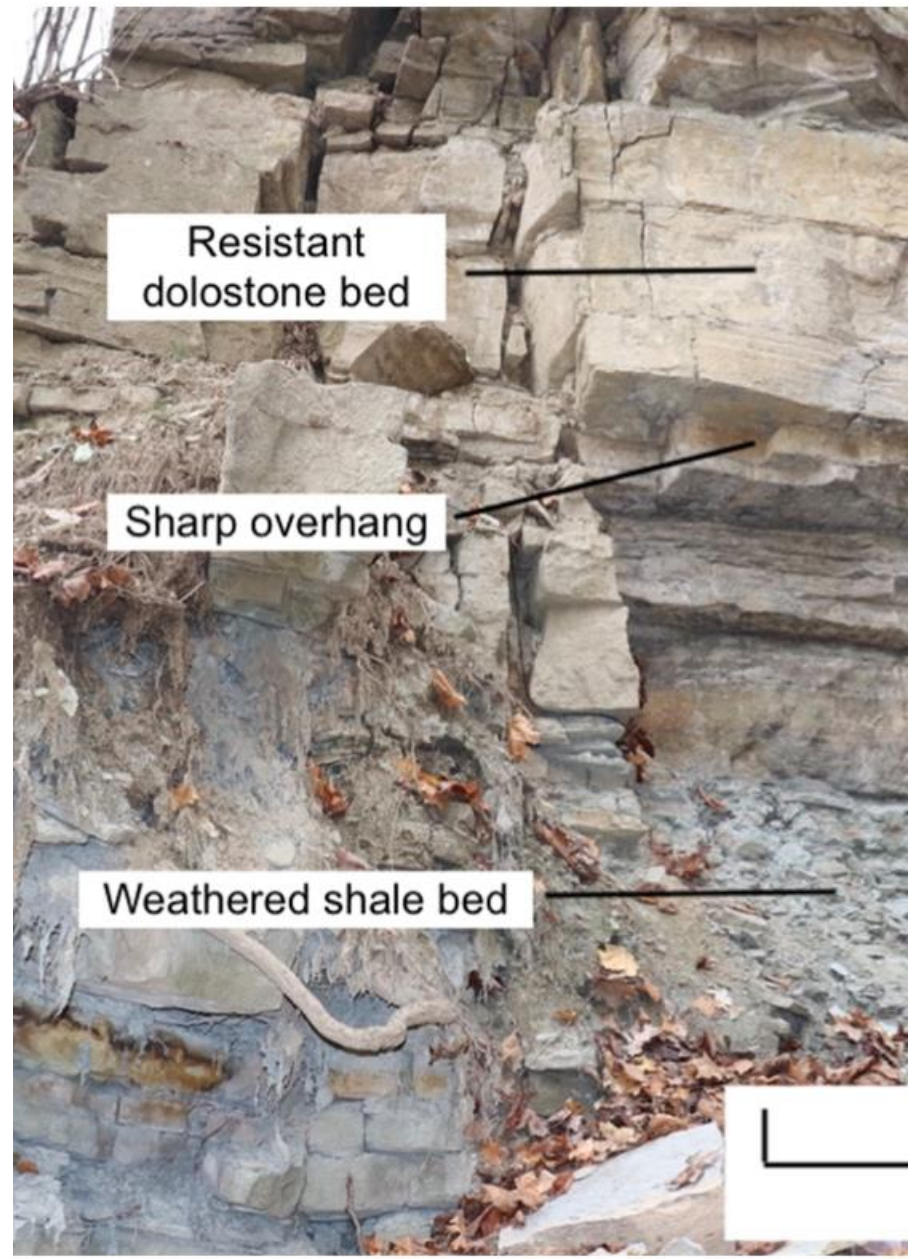


The Ancient Cedars

REMEMBERED

- Moss, Fern, Fungi, Mycelium, Lichen, Liverworts

REMEMBERED





The Living Landscape



People and the Biosphere



The Land Still Speaks

A photograph of a night sky featuring a vibrant blue aurora borealis. The aurora is a large, glowing, ethereal shape in the center of the frame, surrounded by dark, swirling clouds. The sky is filled with stars. In the foreground, the dark silhouettes of several trees are visible against the night sky. The overall mood is serene and mysterious.

REMEMBER ME