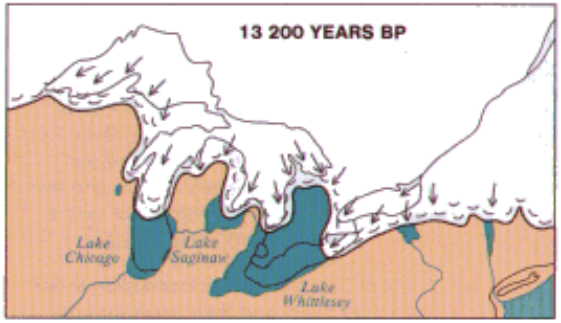
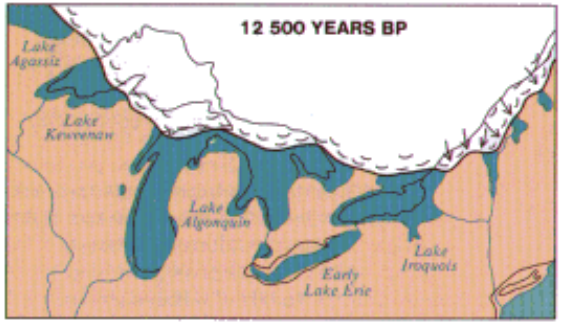
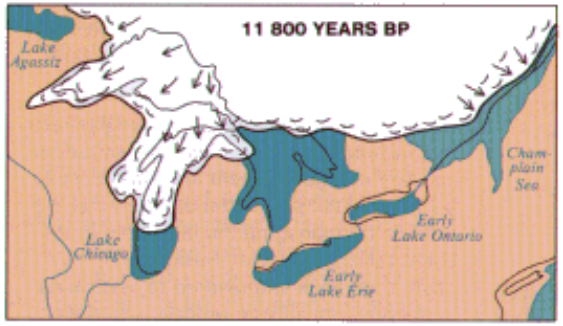
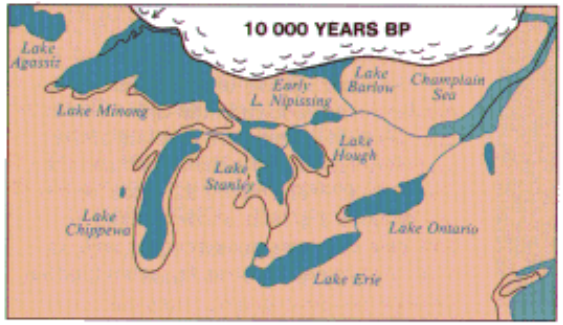
## STAGES IN THE EVOLUTION OF THE GREAT LAKES

**SCALE 1: 20 000 000**



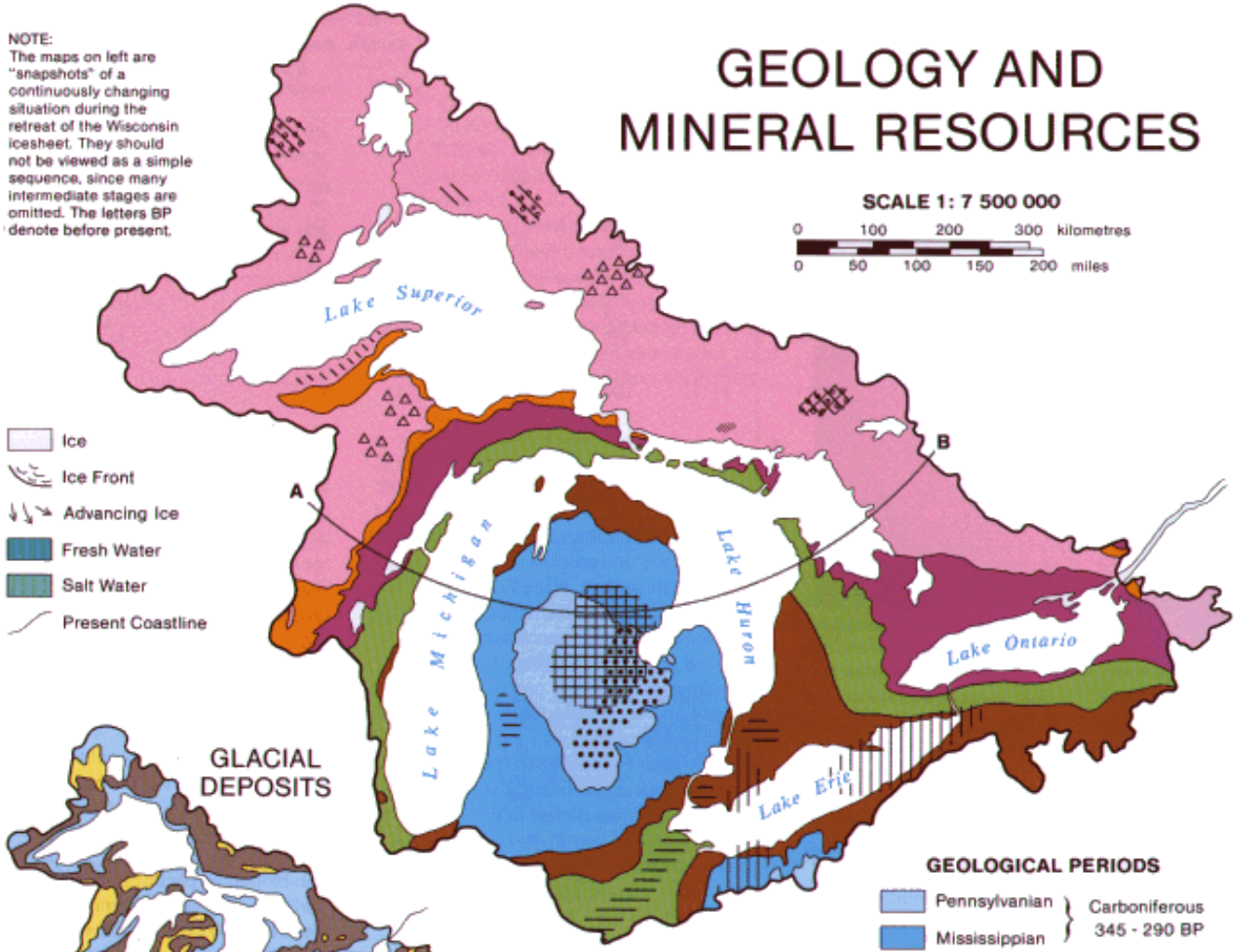




NOTE:
The maps on left are "snapshots" of a continuously changing situation during the retreat of the Wisconsin icesheet. They should not be viewed as a simple sequence, since many intermediate stages are omitted. The letters BP denote before present.

# GEOLOGY AND MINERAL RESOURCES

**SCALE 1: 7 500 000**

0 100 200 300 kilometres
0 50 100 150 200 miles




- Ice
- Ice Front
- Advancing Ice
- Fresh Water
- Salt Water
- Present Coastline

## GLACIAL DEPOSITS



**SCALE 1: 20 000 000**

**Stratified Drift**

- Silt and Clay (glacial lake deposits)
- Sand and Gravel (outwash, alluvial and ice contact deposits)

**Unstratified Drift**

- Till (ground and end moraines)

Bedrock areas where the glacial cover is absent (e.g. parts of Canadian Shield) are not distinguished.

## PRINCIPAL MINERAL AREAS

| | |
|---|---|
| Coal | Copper & Zinc |
| Gas | Gold & Silver |
| Oil | Iron Ore |
| Uranium | Nickel |

The extraction of minerals such as sand, gravel and limestone is widespread and not mappable at this scale. Other minerals, such as salt and gypsum, are omitted to preserve clarity.

## GEOLOGICAL PERIODS

| | | |
|---|---|---|
| Pennsylvanian | Carboniferous | 345 - 290 BP |
| Mississippian | | |
| Devonian | | 400 - 345 BP |
| Silurian | | 440 - 400 BP |
| Ordovician | | 500 - 440 BP |
| Cambrian | | 570 - 500 BP |
| Precambrian | | 4500 - 570 BP |

Figures denote age in millions of years before present (BP).

## GENERALIZED CROSS-SECTION