

## Chapter 13 Peatlands

Bogs - acidic peat, no inflow or outflow (mosses, other acidophilic plants)

Fens - open peatlands, grasses, sedges, reeds

Peatlands, Moors, Mires

Extent (See distribution figures in book)

2.4-4.1 million km<sup>2</sup>

Boreal, subarctic

Development (See Figures in book)

1. Quaking bog - peat growing over the water surface, infill
2. Paludification
3. Flowthrough

Peat - thousands of years old, pH 4-6, low in N, accumulates at 20-80 cm/1000 yr

Vegetation

Sphagnum moss (spp.) + trees = swamp forest (Minnesota)

Insectivorous plants - pitcher plant

## Chapter 14 Freshwater Swamps

### Emergent trees (forested wetlands)

bald cypress

pond cypress, both *Taxodium* spp.

tupelo - *Nyssa*

black gum

red maple

white cedar - scattered from Gulf of Mexico to New England

### Types

#### Cypress Swamps

Domes of head - drainage into a depression, filling with peat

Dwarf cypress - often in soils on a shallow limestone bedrock

Lake edge

Strand in lakes

Flood plains along rivers - where they form pneumatophores, knees, spreading buttresses