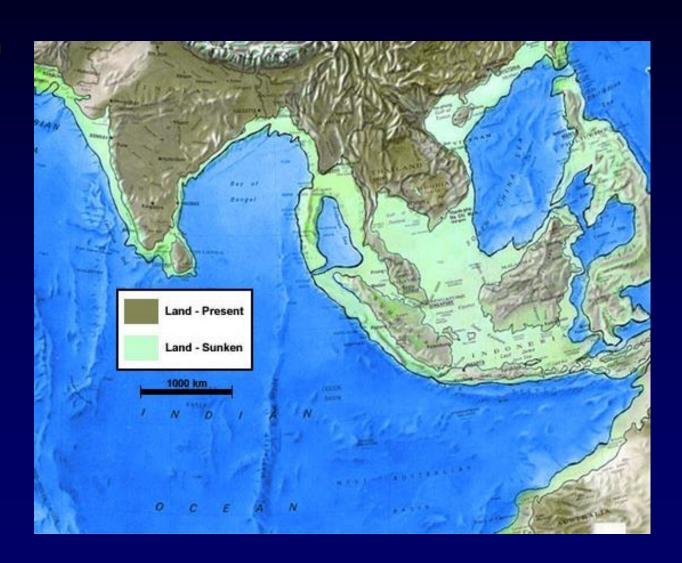




Consequences of sea level lowering include linking of:

- Britain to continental Europe
- Ireland to Britain
- Australia to New Guinea
- Japan to China
- Siberia to Alaska



The ice sheet's 'footprint'



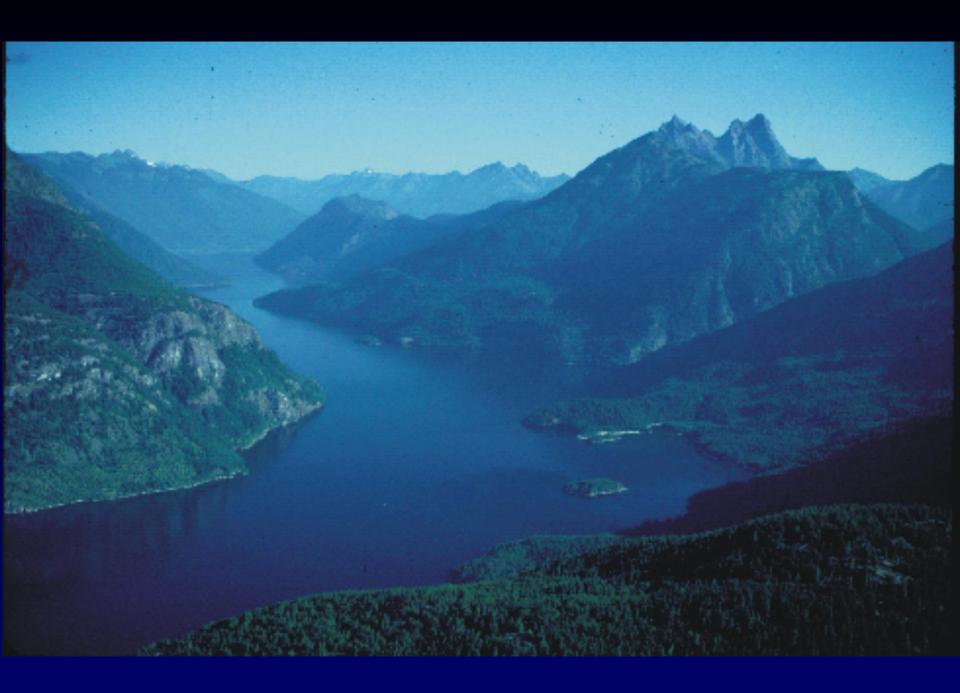


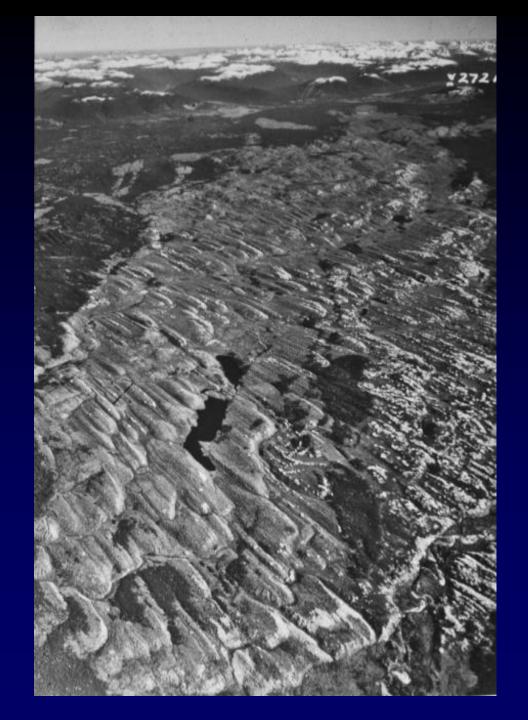




Glacier erosion



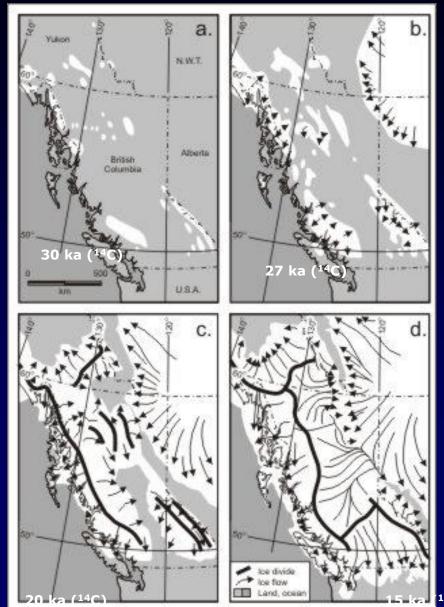


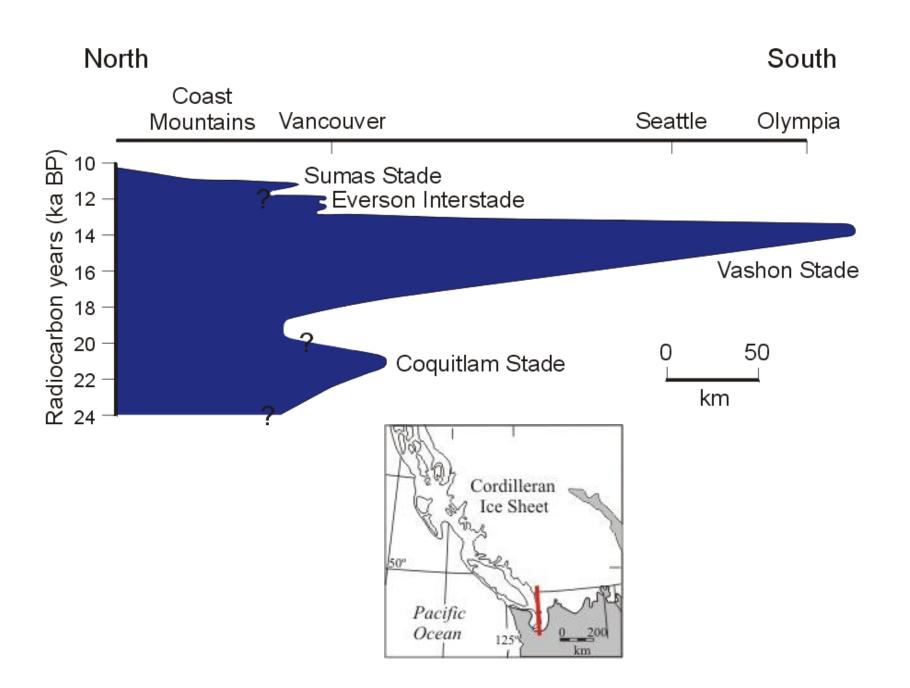




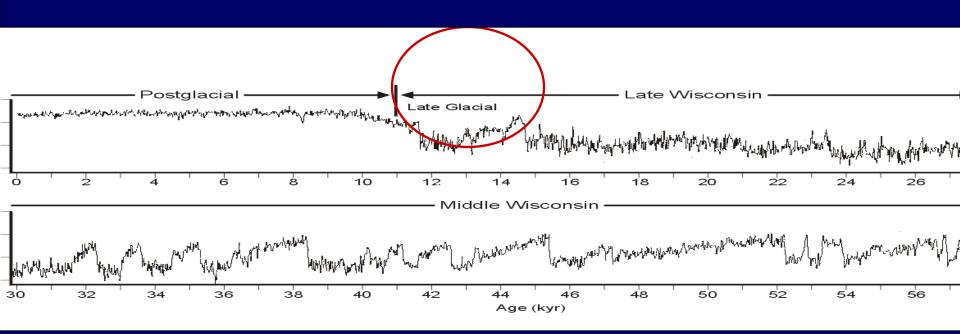
Sediments

The 'glory years' Growth of the Cordilleran ice sheet





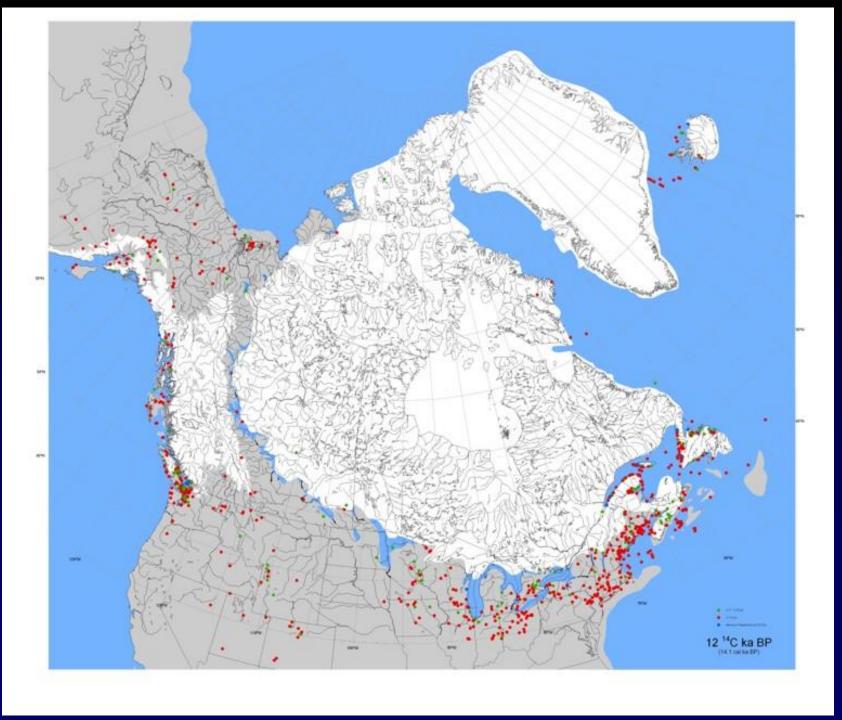
Ice sheet 'senility'

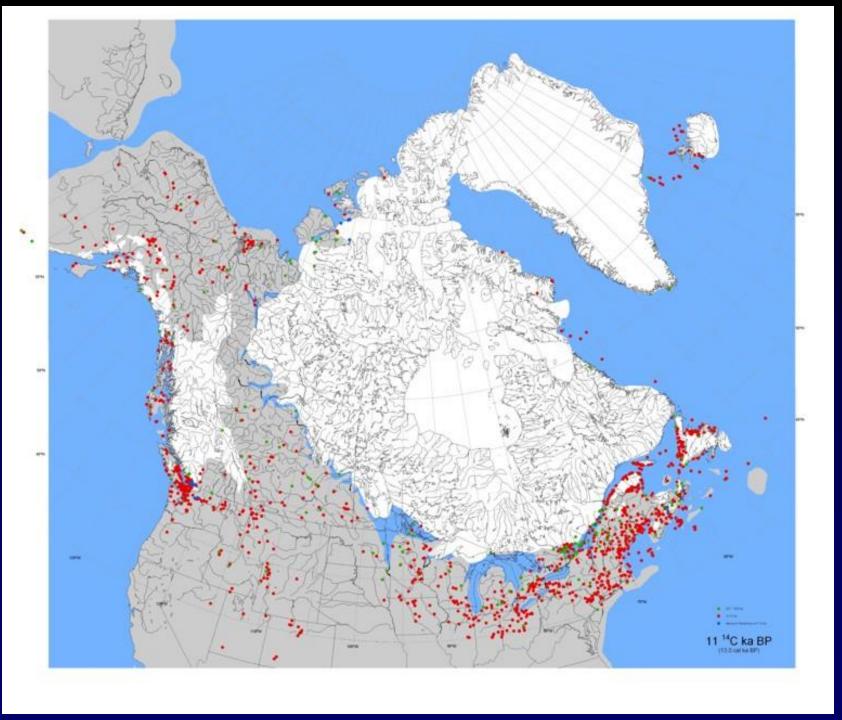


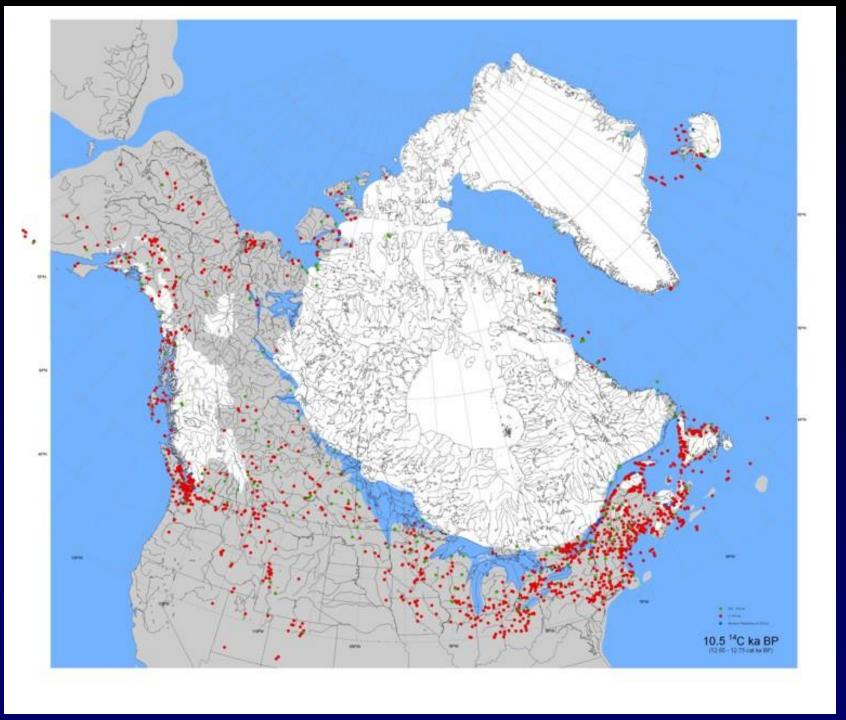
Stuiver et al.

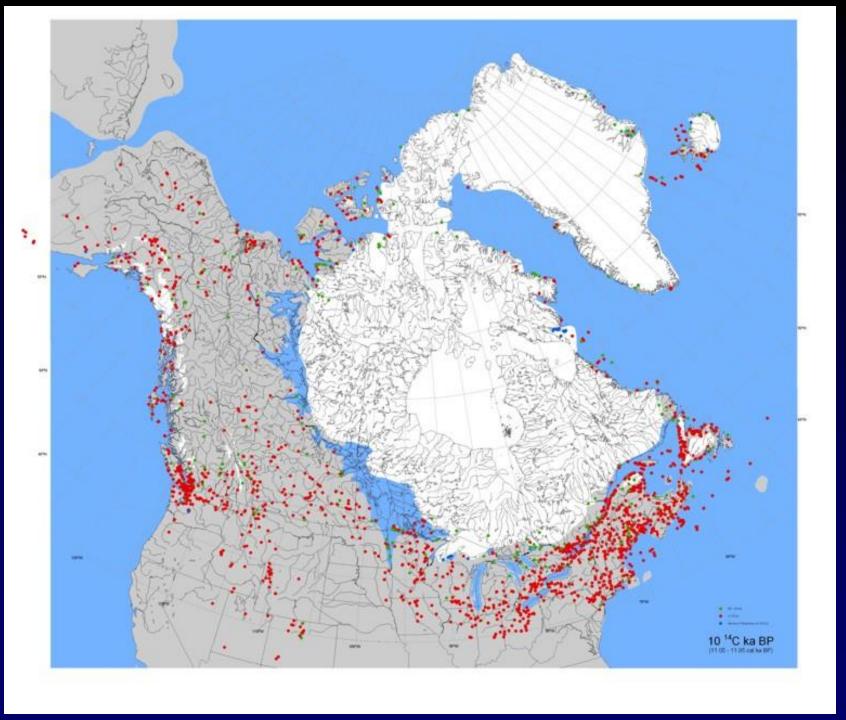


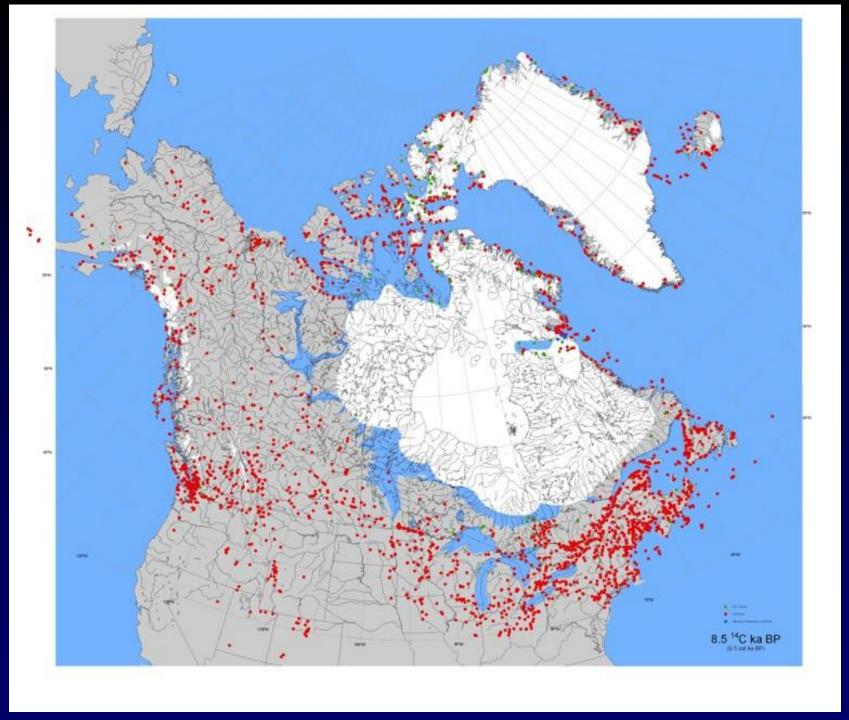
Dyke and Prest

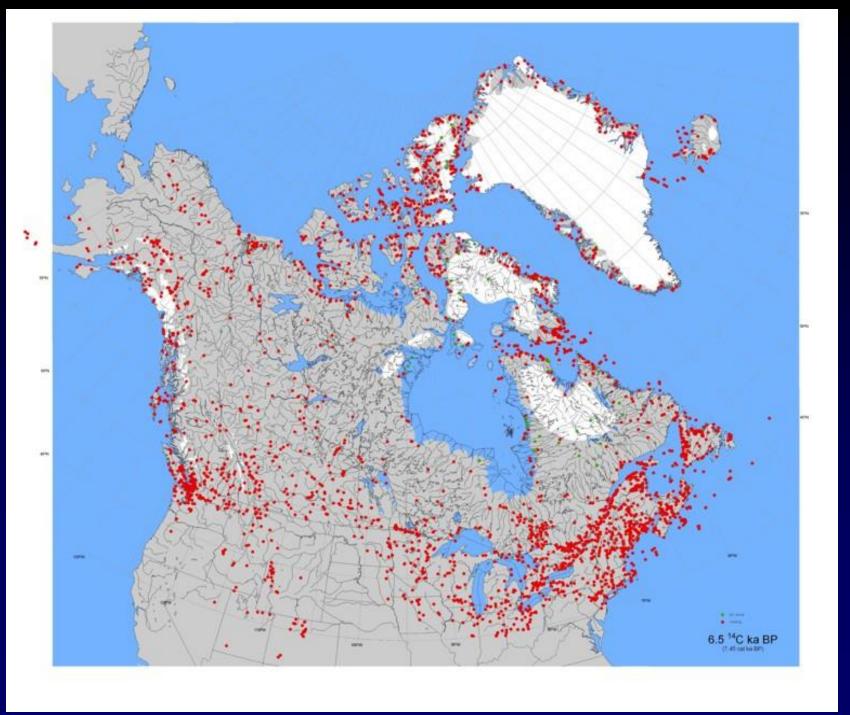




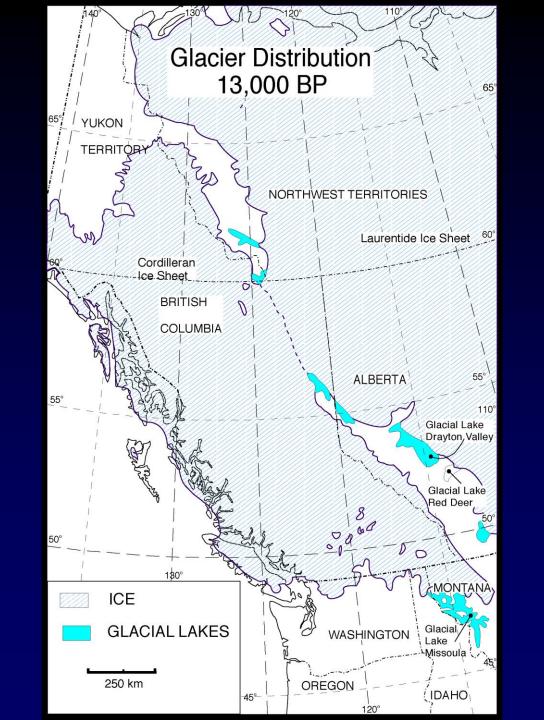


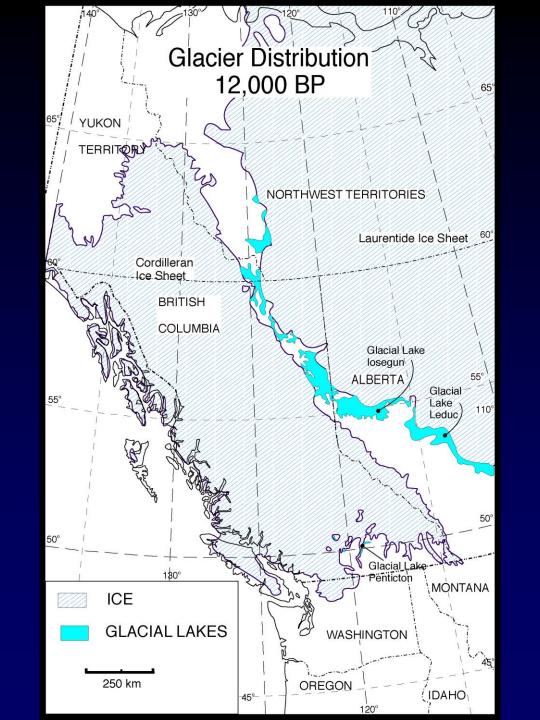


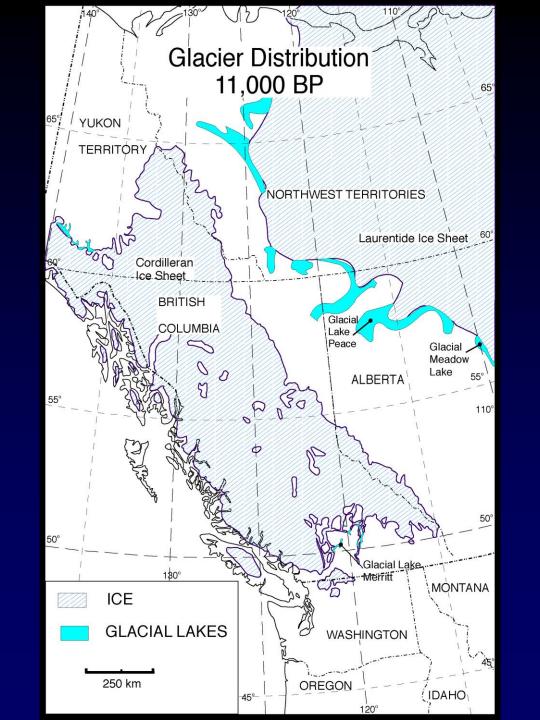




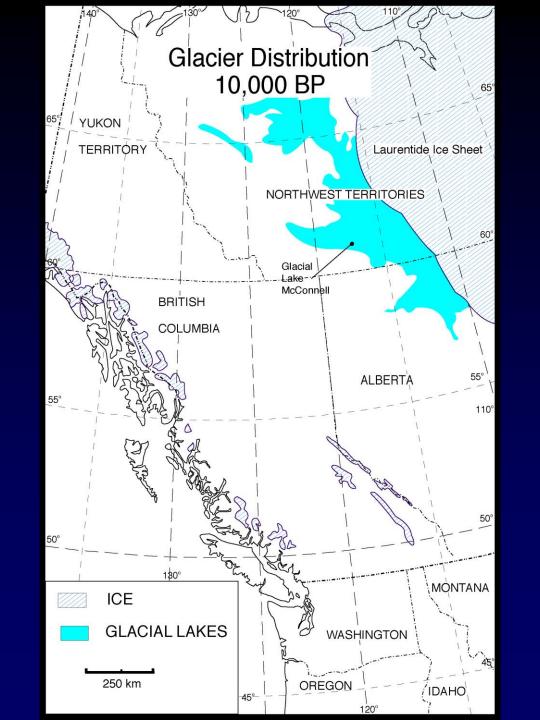




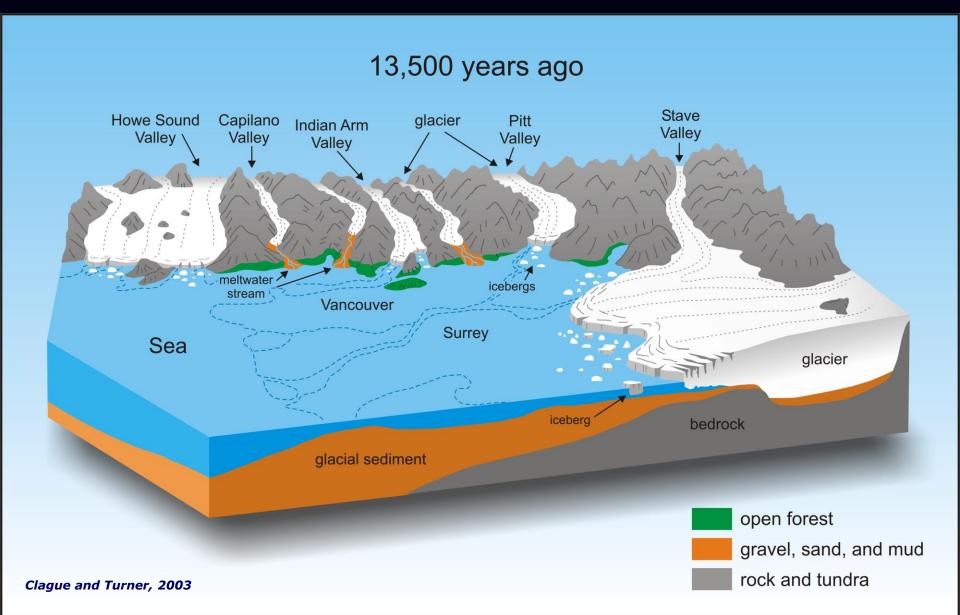




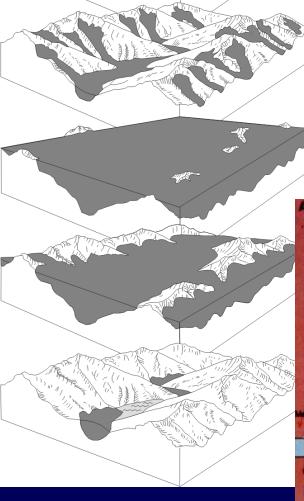




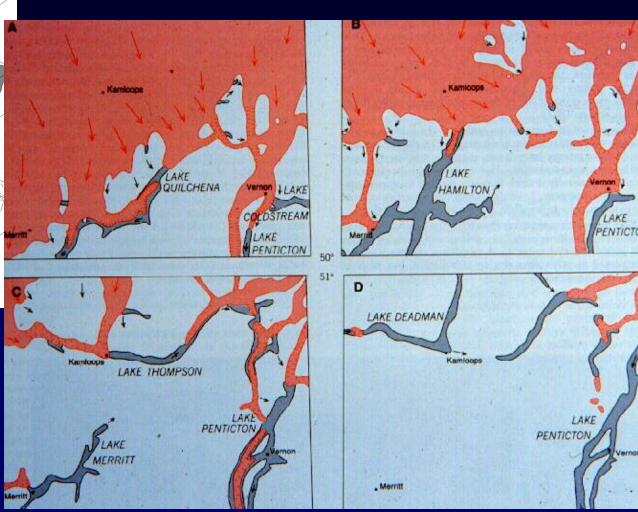
Retreat at the western front





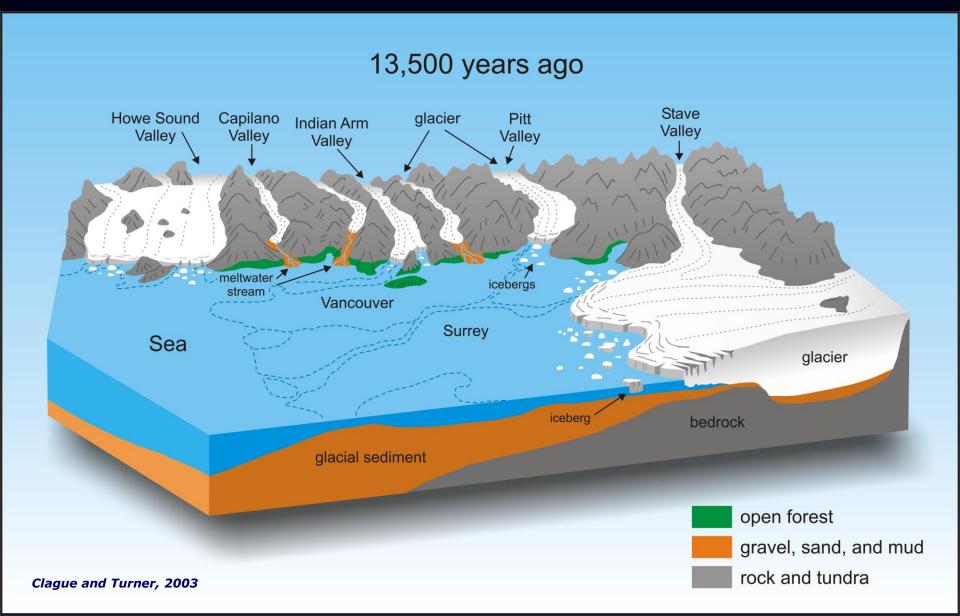


Retreat near the centre

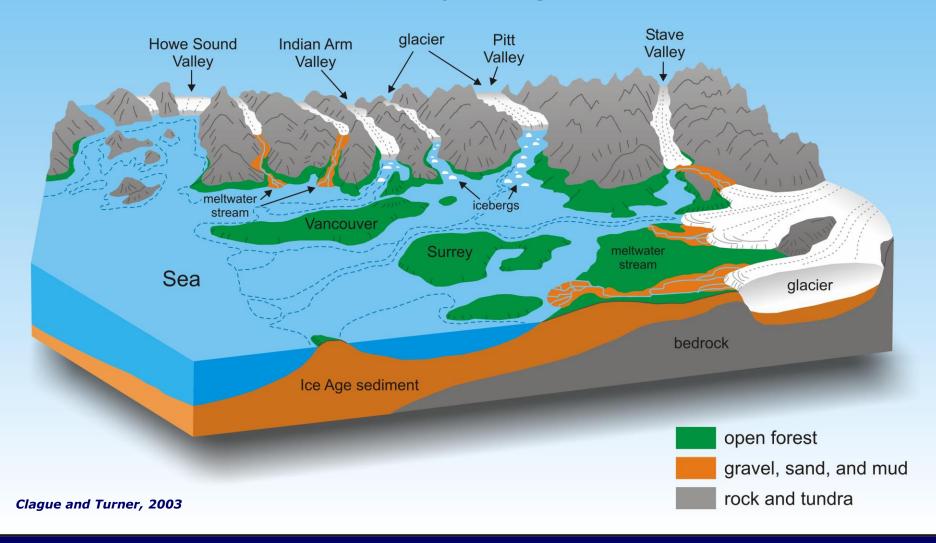




Relieved of its burden, the land rises



12,500 years ago

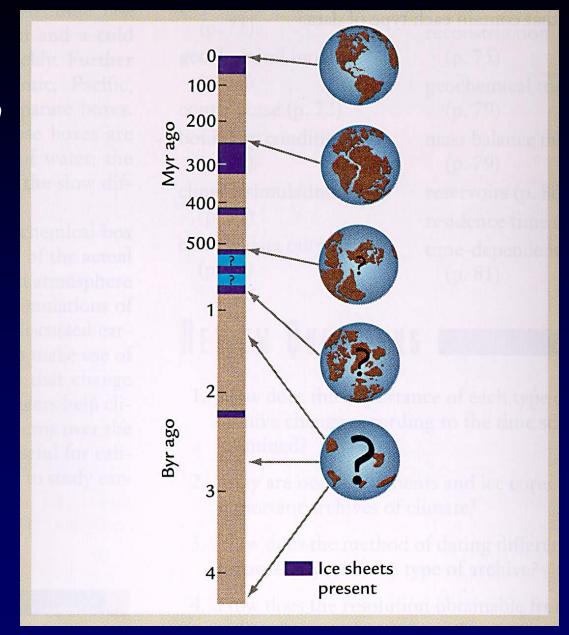


So what causes ice sheets to grow?

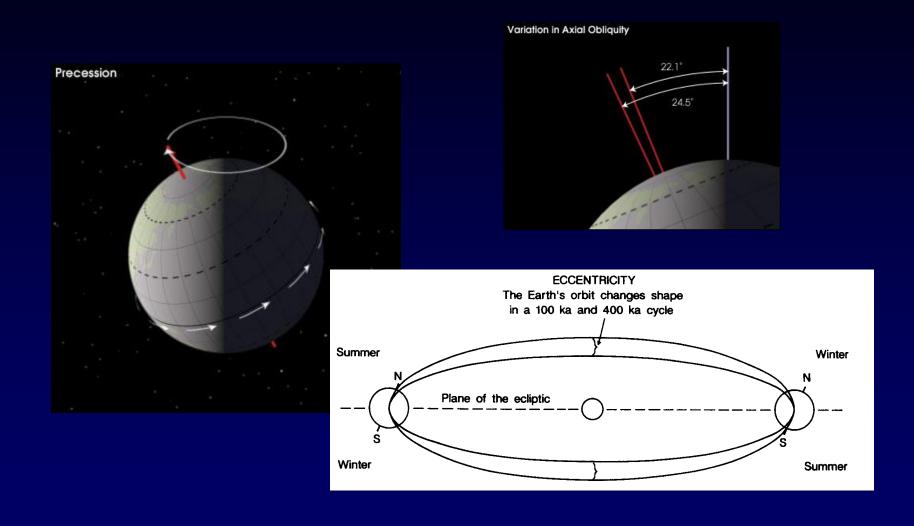
So what causes ice sheets to grow?

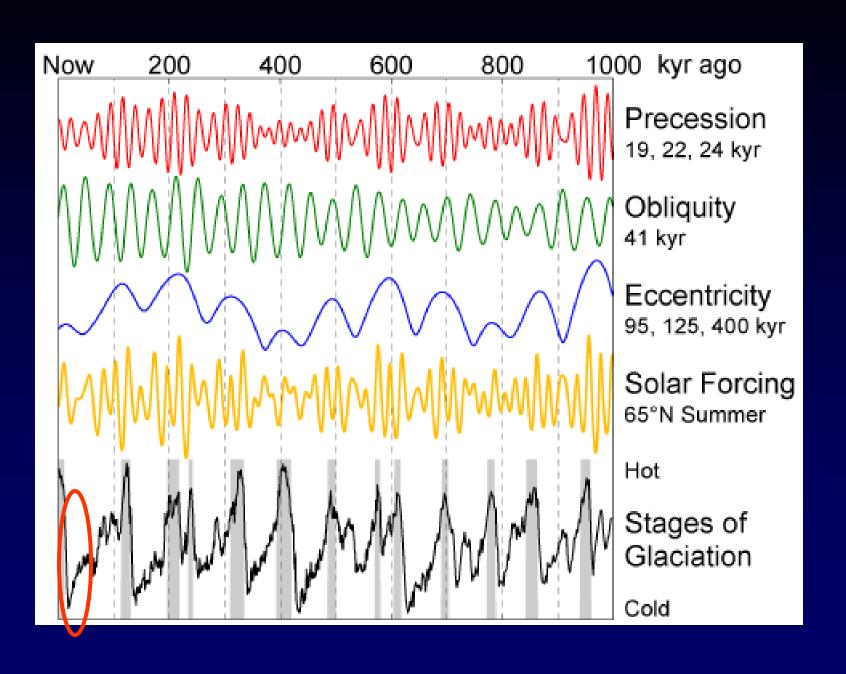
Or put in another way,
What causes climate to change so
radically?

Position of continents on Earth's surface



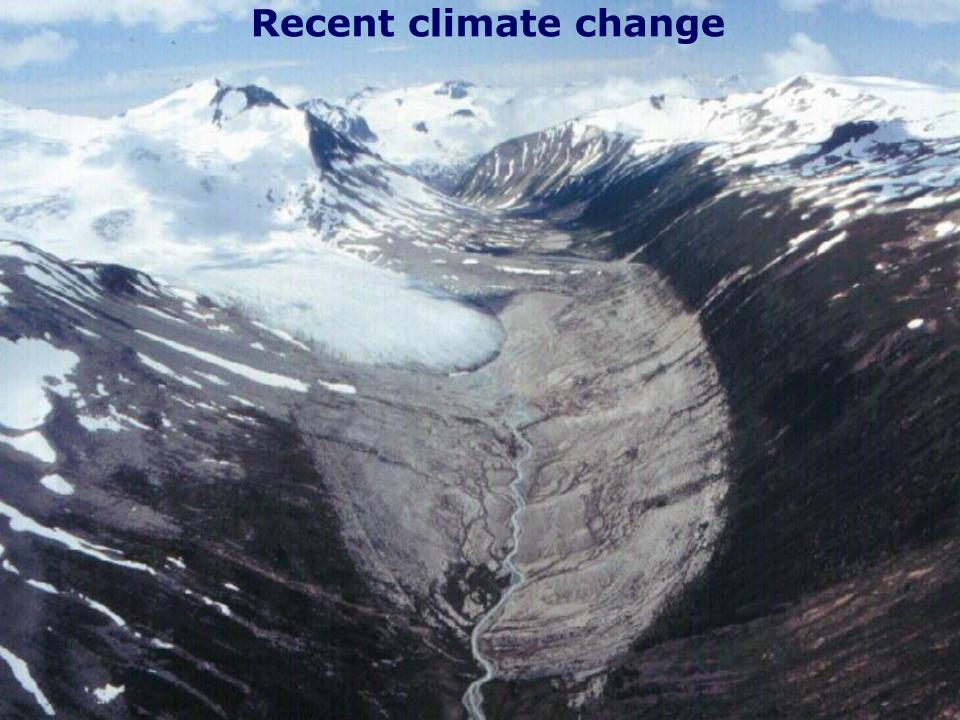
Milankovitch cycles – The long-term climate 'metronome'





Glaciers are proxy atmospheric thermometers





Muir Glacier, Alaska



Humans are modifying Earth's climate

