The Cordilleran Ice Sheet

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“That’s it, sir . . . we’ve eaten the last of the geologists!”
Maximum ice sheet
MIS 2

Austin Post

Clague and Turner 2003
The glacial footprint in British Columbia
Ice sheet growth
15 ka (14C) Ice sheet

- Sumas Stade
- Everson Interstadial
- Coquitlam Stade
- Vashon Stade
Decay and death

Stuiver et al.
Retreat at the west margin

13,500 years ago

- Howe Sound Valley
- Capilano Valley
- Indian Arm Valley
- glacier
- Pitt Valley
- Stave Valley

- meltwater stream
- Icebergs
- Vancouver
- Surrey

- Sea
- Glacial sediment
- Glacier
- Bedrock

Colors:
- Green: open forest
- Orange: gravel, sand, and mud
- Gray: rock and tundra

Clague and Turner 2003
Retreat near the centre

Margold et al. 2013
How many ice sheets were there?
How many of these?
Glacio-volcanism provides a clue
Questions