

Ice Age Floods and the Landscape They Created
HILR Study Group for Fall, 2021
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Assignment for Session 2

Class Topics:

- > The Geology of the Pacific Northwest Before the Floods
 - Plate Tectonics 001
 - Basaltic Volcanoes 001
 - Chunks of continents welded together
 - The Yellowstone hot-spot volcanoes
 - The Columbia Plateau flood basalts
 - The courses of the Snake and Columbia Rivers
- > Glacial Lake Bonneville and its Flood
 - The Great Salt Lake Basin
 - Water levels in Glacial Lake Bonneville
 - What happened at Red Rock Pass
 - Hell's Canyon
 - Gravel deposits

Textbook:

- > Read in Allen, Burns and Burns: *Cataclysms on the Columbia*,
 - 1) The Preface and the main text through Chapter 4 (through page 35).
 - 2) Chapter 13, pp. 88-93

Documents Posted on the Course Website on the Documents/Links Page:

- > **Read the first 2 ¼ pages of the Douglas Fox article from High Country News.** The remainder of this article is optional. It will be of interest to those who wonder how and why people are worried about the remnants of glacial lakes as clue for climate change studies.

Internet:

You have **one internet assignment** this week:

- > **Glacial Lake Bonneville at HugeFloods.com**
<http://hugefloods.com/Bonneville.html>
Read the text and enjoy the photographs on this web page about the Bonneville Flood.

There is also a link to a YouTube video. It has nice photographs, but the pace is deadly dull. Instead, **I suggest you watch this one-minute animation.**

https://www.youtube.com/watch?v=0SJD0luY4OI&ab_channel=seanjackalope