

Week 8 – Ice Age Floods and Deglaciation of North America

Video web links:

North American Ice sheet advance, illustrated map, shows the Missoula (Bretz) Floods.

https://www.youtube.com/watch?v=G_LRo3wIT34

Glacial Lake Missoula (2-min Geology Series):

<https://www.youtube.com/watch?v=wJo8m4oKc6k>

Glacial Erratic's deposited by those floods:

https://www.youtube.com/watch?v=kL_h-dJ_wdo

Floods in other areas, such as the Bonneville Floods that deposited material in the Treasure Valley, featuring the famous "Idaho Watermelons"!

<https://www.youtube.com/watch?v=ekpmCV5ZZU8>

A more elaborate video discussing the two floods, after a discussion of Columbia River Floods Basalts:

https://www.youtube.com/watch?v=i1BFb_uYIFQ

The Ice Ages of the Pleistocene (thus far discussed the late Pleistocene floods) was a time of shifting waters, with much ice trapped on land (glaciers), sea level rise and fall, and great lakes and floods. The Pacific Northwest was not the only region shaped by these great floods. The Mediterranean, the Black Sea, the Persian Gulf, and the Bering Strait were also areas of great change that contain geologic evidence for major flooding. Below are some links, but this is also discussed in the Cosmos episode 9 "Lost Worlds of Planet Earth" suggested earlier for the reference to the Permian Mass Extinction.

Read about the Persian Gulf here (with animations):

http://emvc.geol.ucsb.edu/2_infopgs/IP2IceAge/ePersGulfFlood.html

A recent publication on the Mediterranean flood: <https://www.nature.com/articles/nature08555>.

Decent video [here](#) by amateur youtuber (who does not cite sources, so please, just use this as a concept video).

The Black Sea was flooded by an overflow through the Bosphorus Strait: this [video](#) is a not well narrated (computer generated) but has good maps and accurate dates from the 1996 paper, a GSA Today article is posted online.