Review of: "Lake Bonneville and the Wasatch Fault – new theories and new paradigms yield insights into present-day hazards in other regions of the world"

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1 Chongqing Academy of Science and Technology

Potential competing interests: No potential competing interests to declare.

I fully agree with the author's viewpoint. These three new theories seem very interesting, but they are not science fiction, but rather scientific papers. The key evidence cited by the author can support the author's viewpoint, but there are some controversies. If these controversies can be well explained, it will better improve this paper.

In Figure 5, the author explains “When the surge hit, it lifted the lower 0.25km or more of the glacier and drove in underneath it, creating a high-pressure hydraulic blast into the moraine and carrying the terminal moraine boulders into that area. Where the lifted glacier cracked, streams of liquid and rocks were blasted higher into the moraine slope creating vertical spikes of deposits.” Is there more evidence to support this viewpoint, as it is controversial with the traditional method of glacier pushing giant rocks, as it is still difficult to understand how ice layers break and explode to drive the movement of giant rocks.

In Figure 23 “To put things into perspective, these features are over 35m above the current river level, and at Corrine, Utah in this same area the largest flood in the last 20 years has been no more than 4m above river level.” How was this data obtained? It should be difficult to obtain this data from Google Maps.

To be honest, the author's work is very meticulous, and the discussion is also very clear and thorough. I greatly appreciate the author's meticulous work attitude. His profound academic background also impressed me deeply.