

Interactive comment on “A multi-centennial record of past floods and earthquakes in Valle d’Aosta, Mediterranean Italian Alps” by Bruno Wilhelm et al.

M. Van Daele (Referee)

Maarten.VanDaele@UGent.be

Received and published: 31 January 2017

I am very pleased to see that the authors followed practically all of my suggestions. Especially the addition of the local seismic intensity of the historical earthquakes (and their addition to Fig. 7) makes their correlation with the MSB, HB and GB-III deposits more robust.

I just have one additional suggestion. By differentiating between local and extended floods in the historical record (Fig. 9), it seems clear that the AD 1900-1910 discrepancy between Lake Inferiore and Lake Ledro is a result of local floods that influence Lake Inferiore, but not Lake Ledro. This correlation strongly supports one of the final statements in the discussion (lines 400-401): that these discrepancies may be linked

C1

to such local thunderstorms. Hence, I propose to add something like: "...as evidenced by the record of several local floods between AD 1900 and AD 1910 (Fig. 9)".

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-364, 2016.