

Interactive comment on “Changes in Imja Tsho in the Mt. Everest region of Nepal” by M. A. Somos-Valenzuela et al.

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Some minors points :

1/ In the first sentence of the paper (P2376, L16), Gardelle et al., GPC, 2011 is quoted to support the expansion of glacial lakes in Nepal since the 1960s. But Gardelle et al. 2011 only quantified lake area changes in the 90s and 2000s so a more appropriate reference needs to be given for the longer term evolution of glacial lakes.

2/ The same paper by Gardelle et al., GPC, 2011 also provides some estimates of the Imja lake area in October 2000 and October 2009 (see section 5.1). Those values may be added to your Figure 6.

3/ Selected mass balance for Imja-Lhotse Shar Glacier are given on page 2377. Ad-

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ditional mass balance estimates for the 2000s from Bolch et al., TC, 2011, Nuimura et al., JOG, 2012 and Gardelle et al., TC, 2013 are listed in Table 5 of Gardelle et al, TC, 2013. They could be added to the paper. On this matter, the authors could note that their bathymetric survey will also help also to refine the mass balance estimate of this glacier because it will improve the quantification of the aqueous losses. Also an important side product of their effort.

Best regards,

Etienne Berthier

Interactive comment on The Cryosphere Discuss., 8, 2375, 2014.

TCD

8, C652–C653, 2014

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