

Interactive comment on “Causes and consequences of the Sinkhole at “El Trebol” of Quito, Ecuador - Implications to economic damage and risk assessment” by Theofilos Toulkeridis et al.

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Response letter to Reviewer 2

An emphasis on the mechanism of formation of the sinkhole in relation with the possible condition of collapsible granular materials was made in different parts of the text (the number of lines correspond to the corrected manuscript) lines : 151, 266, 315.

As the reviewer mentioned this is not a geomechanical paper and geotechnical studies were not available, the only information we could consider to give an idea of this materials strength is the Standard Penetration Test. In the conclusions we propose fur-

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ther geotechnical studies to determine the susceptibility to collapse of the silty-sandy materials (lines 452-453).

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-17, 2016.