

Interactive comment on “A huge deep-seated ancient rock landslide: recognition, mechanism and stability” by M. G. Tang et al.

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This is a very interesting paper, focusing on the huge deep-seated ancient rock landslide in three Georges area. In three Georges area, many huge landslides were triggered before the construction of the dam. The most interesting point in this paper is the analysis of the landslide surface material. As shown in Figure 17, a testing tunnel was constructed to touch the sliding surface. A very beautiful sliding zone was revealed and this was the traces of the shearing deformation in mudstone and limestone strata. Creep deformation was very evident from the analysis of the structure of the sliding zone. Another important point is the identification of the ancient landslide in this area. In this area, it is hard to tell the difference of an ancient landslide and a fault. From the structural evidence, geomorphic evidence and sliding traces, this area is proved by

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author to be an ancient landslide, which is important for the treatment measures after the water storage.

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