

GEOLOGY

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Advanced Edit

Geological disasters are closely associated with water; in particular, they are closely related to the precipitation and groundwater. Precipitations can cause large increase in soil moisture and soil instability, which can usually induce landslides, ground subsidence, and ground fissures.

It has been reported that during the flood season of 2003 in China's Weicheng District, when the rainfall lasted 76 days with a precipitation of 427.80 mm, many structures (specifically, 113 houses and 80 caves) collapsed at the front of the third terrace, especially, 113 houses and 80 caves collapsed in Weicheng District. In addition, the ground subsidence induced by because of the direct impact of rainfall in the flood season, ground subsidence was induced occurred 3 times thrice and cracks formation occurred twice, which this resulted in damage to more than 20 households in the village damaged and caused large economical losses.

Comment [A1]: I'm not absolutely certain what you mean by this. Please provide context for clarity.

Comment [A2]: The mention of a "village" seems slightly abrupt here. Consider specifying which village is being referred to clarity.