

GEOLOGY

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Premium Edit

Some Geological disasters are closely associated with water, for example, fast floods may be caused by increased groundwater levels and high in particular, is closely related with the precipitation intensities and groundwater. In particular, Precipitation can increase cause large the soil moisture content and soil instability of soil, which in turn is usually facilitate to might facilitate induce landslides, ground subsidence, and ground fissures.

This previous report showed that in during China's Weicheng District, many structures (specifically, 113 residential houses and 80 caves) of the third terrace collapsed in the flood season of 2003, during which when the precipitation intensity was 427.80 mm and rainfall continued for rain last 76 days with 427.80mm of precipitation, many collapse occurred in the front line of third terrace, especially, 113 houses and 80 caves collapsed in Weicheng District. In addition, the rainfall induced the ground subsidence induced by the direct fall of rainfall in flood season occurred 3 times thrice and cracks formation occurred twice; this which resulted in damage to more than 20 households in the village damaged and large economical losses.

**Comment [A1]:** Please note my extensive revisions here; in the original text, the relation of geological disasters with groundwater and precipitation was somewhat vague. I have therefore clarified this relation from my understanding, and linked this idea to the geological disaster of floods mentioned earlier to improve logical flow.

**Comment [A2]:** Please include an appropriate citation here to support this statement. Further, note that I have revised this sentence extensively to improve the order of ideas presented, to make the sentence logically sound. Please ensure that my changes are acceptable.

**Comment [A3]:** I'm not absolutely certain what you mean by this. Please provide context for clarity.

**Comment [A4]:** The mention of a "village" seems slightly abrupt here. Consider specifying which village is being referred to clarity.