For research article

Response to Reviewer 2 Comments

1. Summary

Thank you very much for taking the time to review this manuscript. Please find the detailed responses below and the corresponding revisions/corrections highlighted/in track changes in the re-submitted files.

2. Questions for General Evaluation	**Reviewer's Evaluation**	**Response and Revisions**
Does the introduction provide sufficient background and include all relevant references?	Yes/Can be improved/Must be improved/Not applicable	
Are all the cited references relevant to the research?	Yes/Can be improved/Must be improved/Not applicable	
Is the research design appropriate?	Yes/Can be improved/Must be improved/Not applicable	
Are the methods adequately described?	Yes/Can be improved/Must be improved/Not applicable	
Are the results clearly presented?	Yes/Can be improved/Must be improved/Not applicable	
Are the conclusions supported by the results?	Yes/Can be improved/Must be improved/Not applicable	

3. Point-by-point response to Comments and Suggestions for Authors

Comments 1: Fig. 2: Figure 2a is vertically exaggerated and the aspect ratio is not maintained. also label the figure and explain.

Response 1: Thank you for pointing this out. I agree with this comment. The redraw pictures are as follows:



(a) (b) (c)



(d) (e) (f)

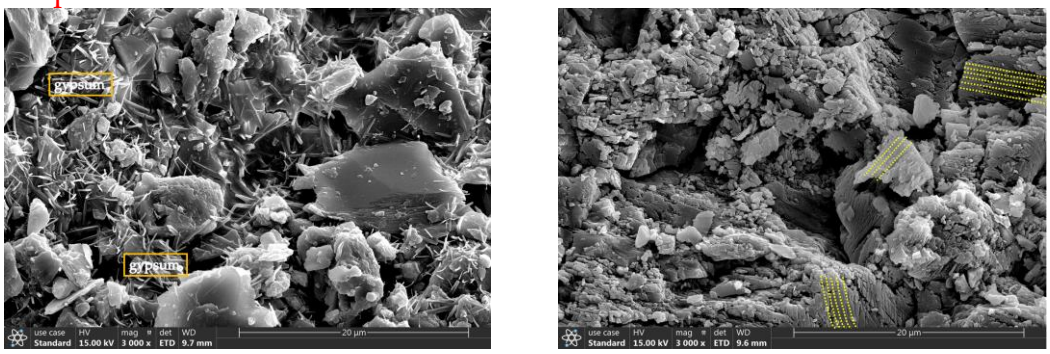
Comments 2: Figure 3a must contain the scale of the image. include the scale of the field image.

Response 2: Thank you for pointing this out. I agree with this comment. The redraw pictures are as follows:

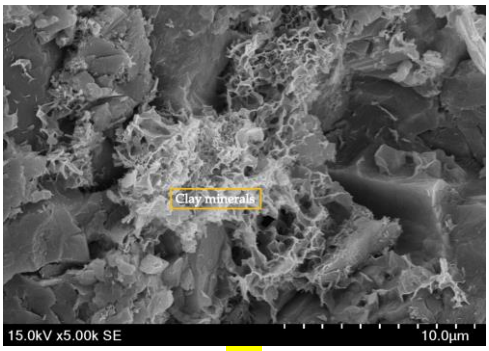


Comments 3: Figure 6 and figure 7 with white text labeling. change the text color for better visibility.

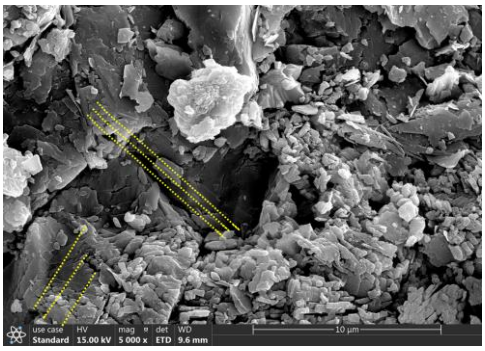
Response 3: Thank you for pointing this out. I agree with this comment. The redraw pictures are as follows:



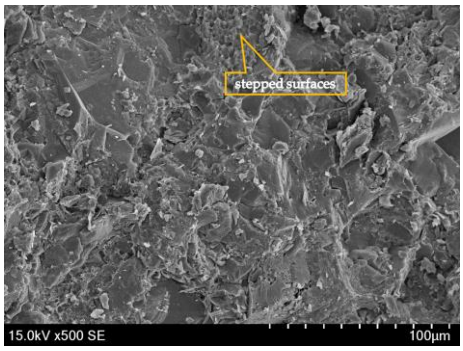
(**a**) (**b**)



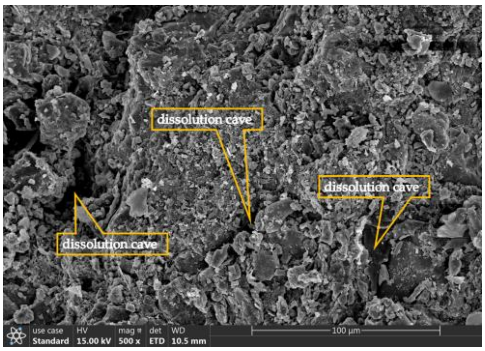
(c)



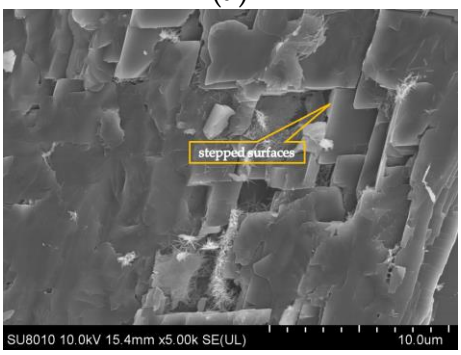
(d)



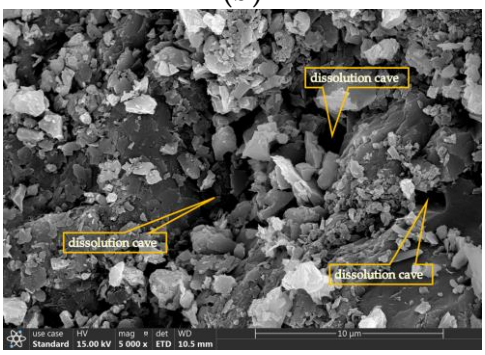
(a)



(b)



(c)



(d)

Comments 4: include a table to show the number of rock samples included in this study

Response 4: Thank you for pointing this out. I agree with this comment. The redraw pictures are as follows:

Sites	Location (°)	Sample No.	Elevation	Description
Xiaochatou landslide	25.989476, 101.969923	XCT-0	967	Conglomerate
	25.989476, 101.969922	XCT-0′	967	Sandstone
	25.990128, 101.968432	XCT-2	982	Calcium deposits
	25.990128, 101.968433	XCT-2′	971	Calcium deposits
	25.990128, 101968434	XCT-2″	971	Dissolved sandstone
	25.990128,	XCT-3	971	Mudstone

101.968435