

Under what conditions are landslides likely to occur

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Last year when we did a field work for another study in the Sagashio Area of Enzan, Koshu City, landslides occurred there. There were also big landslide disasters in Hiroshima and Kumamoto, and we got interested in landslides. Furthermore, Yamanashi Prefecture is surrounded by mountains, so landslide-related disasters may occur. For these reasons, we studied the occurrence of landslides caused by different conditions. According to our research, landslides are likely to occur regardless of the angle of the slope is under the following conditions.

- When water easily penetrates into the sand
- When the angle of the slope is sharp
- When there is much precipitation throughout the year

Further, when the angle of the slope is 35° 40°, the higher the ground density is, the more likely landslide will occur. When the angle of the slope 30°, the lower the ground density is, the more likely landslide will occur.

