Considering the recent landslide disasters in Japan -Movement of water in pedosphere-

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The importance and function of retaining water in that forests has been clearly stated in studies before said, and landslides are still occuring have continued to report. In researches performed by our school, the decreasing in understory vegetation by deer (Cervidae) was reported, and the water holding property of the soil was be decreased because of the possibility decrease of evapotranspiration and soil erosion. It means that rainwater reaches the rock layer directory and this condition cause will cause landslides. In this research study, We performed a soil profile, a soil three-phase distribution and a soil permeability investigation to measure the state of soil especially the water retention capacity within on the soil of the Woods for Field Practice Owned by Sagano High School (WFS). As a result of this soil profile, the WFS was found to have (the Woods for Field Practice Owned by Sagano H.S.) has Japanese general soil and the pedosphere was up is to 60 cm in depth. And the WFS’ s soil has a reasonable water retention capacity for plants. On the other hand, soil permeability was relatively good. It means that water will reach the rock layer when it have rains beyond the fixed quantity.

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