

## Multifaceted function in the Woods for Field Practice - Decline of shrub-layer and soil erosion by feeding pressure of Sika deer -

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Recently it has been reported that wildlife causes various damage to the environment including feeding damage. The purpose of this research is to clarify the damage to ecosystems by mammals. In the Woods for Field Practice owned by our school especially, the possibility of soil erosion with the decline of understory vegetation can occur.

Through our research, we found out, most of the lower vegetation consisted *D. Linearisa* and *G. japonica*. Moreover, *Sasa* were not confirmed. We also confirmed minor soil erosion on the steep slope.

We set experiment areas for soil erosion on the steep slope, where no flow of soil particles had been confirmed. The organic matter layer and A layer are comparatively developed, and the soil permeability is excellent in the school forest. From the above results, we found that little water flowed on the surface of the soil because of rain. Thus we can conclude there is little possibility of soil erosion.

Keywords: Soil respiration, Soil organic matter, Soil permeability

