(a) Before forest harvesting

Rainfall season
- Canopy light interception
- Poor understory

Freeze–thaw season
- Interception of downward shortwave radiation
- Small diurnal changes in ground temperature
- Long snowcover period

- Occurrence of surface erosion
- Active rockfall and dry ravel
- Predominance of deep frost creep

(b) After forest harvesting

Rainfall season
- No light interception
- Rich understory

Freeze–thaw season
- Large amount of upward longwave radiation
- Large diurnal changes in ground temperature
- Short snowcover period

- Prevention of surface erosion
- Capture of sediment by woody debris
- Predominance of needle-ice creep