

## CONDITIONS FOR SOIL FORMATION ON THE DIATOMITE DEPOSITS (SOUTH KAMCHATKA)

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The paper presents data on the diatomaceous and palynological analyses in order to determine the conditions of formation of the diatomaceous deposits and identify the stages of soil evolution on these deposits in the area of the *Betula ermanii* forests in Kamchatka. Within the soil profile, 3 diatom complexes and 4 palynological zones were revealed; they describe conditions of soil formation in the Holocene.

*Keywords: soils, diatomite, palynological zones, morphology, Kamchatka, volcanic ashes, age.*