THE RELATIONSHIP OF HUMUS TO THE VEGETATION-SOIL COMPLEX AND ITS APPLICATION TO THE FLOOD CONTROL PROBLEM

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Abstract

The investigation consisted of the following studies:

1. Age of stand-humus depth studies.
2. Correlation of humus type with vegetal cover-soil complex.
3. Moisture depletion of soil and humus by cover types.
4. Derivation of soil moisture depletion curves for each cover-soil complex.
5. Synthesis of the soil moisture depletion curve for the watershed.

The method has been successfully used for evaluating the effect of various land use practices upon runoff in the Upper Connecticut River Watershed.

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