

AMS radiocarbon dating of tephra layers on Adak Island, central Aleutian

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The Holocene tephra layers distribute on Adak Island located in the central part of the Aleutian Islands. Radiocarbon (¹⁴C) age determination of charcoal fragments in the soil layer has been performed. Moreover, tephra is intercalated with sand layer of dune. Since sand dune has high depositional rate and low contamination of organic matter, a possibility of polluted charcoal sample from below and above tephra is low. Thus reliable age was able to be obtained by the AMS method to these small samples. We report those results.

Keywords: Adak Island, Holocene, tephra, radiocarbon date