## Gb-002

## Paleoclimatic reconstruction deduced from the bottom sediments in Lake Nojiri, central Japan

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The cored sediments between the K-Ah and AT of NB88 boring were analyzed for C, N and mineral contents and pollen assemblage in 2 to 3 cm interval. The C content is 5 to 7 % for the Holocene time, and decrease to 1 to 2 % for the Last Glacial time. N content is also high in the Holocene time, and is low in the glacial time. Organic C and N contents can be regarded as a local temperature indicator around Lake Nojiri. Also recognized are many short-term oscillations in the long-term changes between the Last Glacial time and post-glacial Holocene time. These cold-warm changes have good concordance with the results of pollen and XRD analyses. The fluctuations also correspond well to the delta 180 curves from the ice-cores in Greenland and other proxies.