BOREAS TE-01 CH4 FLUX DATA OVER THE SSA-OA

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Summary:

The BOREAS TE-01 team collected various data to characterize the soil-plant systems in the BOREAS SSA. Particular emphasis was placed on nutrient biochemistry, the stores and transfers of organic carbon and how the characteristics were related to measured methane fluxes. The overall transect in the Prince Albert National Park (Saskatchewan, Canada) included the major plant communities and related soils that occurred in that section of the boreal forest. Soil physical, chemical and biological measurements along the transect were used to characterize the static environment, which allowed them to be related to methane fluxes. Chamber techniques were used to provide a measure of methane production/uptake. Chamber measurements coupled with flask sampling were used to determine the seasonality of methane fluxes. This particular data set contains methane flux and soil profile methane concentration values from the SSA-OA site. The data were collected from 29-MAY to 17-SEP-1994.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/daacdata/boreas/TE/te1ch4fx/comp/TE01_CH4_FLUX.txt.

ORNL DAAC maintains information on the entire BOREAS Project.

Data Citation

Cite this data set as follows:

Anderson, D. 1999. BOREAS TE-01 CH4 Flux Data over the SSA-OA. Data set. Available on-line [http://www.daac.ornl.gov] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, U.S.A. doi:10.3334/ORNLDAAC/310.

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Data Format:

For information on Parameter/Variable Names, Variable Description/Definition, Units of Measurement, and Data File Format see this companion file http://daac.ornl.gov/daacdata/boreas/TE/te1ch4fx/comp/te1ch4fx.def

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