

BOREAS HYD-03 1996 Tree Stem Density Data

Summary:

The BOREAS HYD-03 team collected several data sets related to the hydrology of forested areas. This data set contains measurements of stem density from a variety of sites. Stem density measurements were made during the FFC-W 1996 in the SSA only using standard techniques. This study was undertaken to predict spatial distributions of energy transfer, snow properties important to the hydrology, remote sensing signatures, and transmissivity of gases through the snow and their relation to forests in boreal ecosystems.

A text document which includes more information about this data set and other BOREAS HYD-03 Tree Measurements can be found at http://daac.ornl.gov/boreas/HYD/h03candd/comp/HYD03_Tree_Meas.txt. Additional information on Parameter/Variable Names, Variable Description/Definition, Units of Measurement, and Data File Format is available in the companion file <http://daac.ornl.gov/boreas/HYD/h03candd/comp/h03candd.def>.

Data Citation:

Cite this data set as follows:

Hardy, J. P., and R. E. Davis. 1998. BOREAS HYD-03 1996 Tree Stem Density Data. 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/ORNLDAAAC/257](https://doi.org/10.3334/ORNLDAAAC/257).

Data Format:

This data set contains a single ASCII data file delimited by commas.

Variable Name	Description
SITE_NAME	The identifier assigned to the site by BOREAS, in the format SSS-TTT-CCCCC, where SSS identifies the portion of the study area: NSA, SSA, REG, TRN, AND TTT identifies the cover type for the site, 999 if unknown, and CCCCC is the identifier for site, exactly what it means will vary with the site type.
SUB_SITE	The identifier assigned to the sub-site by BOREAS, in the format GGGGG-III III, where GGGGG is the group associated with the sub-site instrument (e.g. HYD06

often this will refer to an instrument.

DATE_OBS The date on which the data were collected, DD-MON-YYYY.

PLOT_ID This is the area of the plot from which the measurement came.

PLOT_AREA This is the area of the plot from which the measurement was taken, in meters squared.

NUM_TREES The number of trees that exist in a particular plot.

CRTFCN_CODE The BOREAS certification level of the data. Examples are CPI (Checked by PI), CGR (Certified by Group), PRE (Preliminary), and CPI-??? (CPI but questionable).

REVISION_DATE The most recent date when the information in the referenced data base table record was revised.

Data Access:

This data is available through the Oak Ridge National Laboratory (ORNL) Distributed Active Archive Center (DAAC).

Data Archive Center Contact Information:

E-mail: uso@daac.ornl.gov
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