THE DIATOM PALEOLIMNOLOGY DATA COOPERATIVE (DPDC)

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OVERVIEW

• The Diatom Paleolimnology Data Cooperative (DPDC) is a web-accessible database of diatom and associated ecological and paleolimnological data relevant to the study of global change.

• The DPDC is intended primarily for researchers looking for long-term data related to climate change and other global environmental issues, and for diatom ecologists who are using methods for inferring environmental characteristics from diatom data and need more information on distribution and ecological characteristics of taxa.

AVAILABLE DATA

• The DPDC includes more than 20 data sets with over 4000 samples, and represents over 700 sites (shown below).

• We invite contributions of diatom core and surface sediment data for addition to the DPDC.

CONTRIBUTING DATA

• The continued success of the DPDC depends on the voluntary submissions from the diatom paleoecology community.

• Use the downloadable wizard-like data entry application and instruction manual available at http://diatom.acnatsci.org/dpdc.

OBTAINING DATA

• Stratigraphic and calibration data sets can be downloaded from the website (http://diatom.acnatsci.org/dpdc), including:
  - diatom counts
  - inferred environmental data
  - water chemistry
  - lake characteristics
  - chronologies

  All occurrences of an individual taxon across all data sets, as well as related data, can be obtained.

  Individual diatom counts and related data can be obtained.

TECHNICAL DETAILS

• Database management system is Microsoft SQL Server 2000.

• The web application is managed using Internet Information Server 5.0. Web pages were developed using Active Server Pages and Visual Basic 6.

• The data entry application was developed using Microsoft Access 2000.