A Big Earth Data Platform for Three Poles

**Chronological and palynological data sets of Lacustrine Core in Luanhaizi Lake (0-859 cm)**

1、Description

The present data are chronological and palynological data from the Luanhaizi Lake core in the Menyuan Basin, northeastern Tibetan Plateau. We used the AMS14C method to test nine dated samples from the LHZ18 core. Bulk samples were collected from plant remains and organic-rich horizons from the core LHZ18 for accelerator mass spectrometry (AMS)14C dating. Samples were measured at Beta Labs in the USA and Lanzhou University.Pollen analysis was completed at the Key Laboratory of Western China’s Environment Systems,Ministry of Education, Lanzhou University, with 140 stratigraphic pollen samples and 10 topsoil pollen samples. Spore pollen identification statistics were carried out under a light microscope.The pollen results mainly include the number of grains of trees, shrubs, herbs and aquatic plants.

2、Keywords

Theme：Lacustrine Sediments,Pollen,Paleoclimate Reconstruction  
Discipline：Palaeoenvironment  
Places：Tibetan Plateau  
Time：Last glacial period

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.596594 | - |
| west：101.344786 | - | east：101.344786 |
| - | south：37.596594 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHANG Jun, WANG Tao, HUANG Xiaozhong. Chronological and palynological data sets of Lacustrine Core in Luanhaizi Lake (0-859 cm). A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2718882021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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