A Big Earth Data Platform for Three Poles

**WATER: Dataset of survey at the poplar sampling plot at Linze station foci experimental area (2008.06)**

1、Description

The dataset of survey at the poplar sampling plot was obtained in the Linze station foci experimental area.  
 Observation items included:  
 (1) soil profile moisture and temperature (0-5cm, 0-5cm, 10-20cm, 20-40cm and 40-60cm) with photos measured twice by the cutting ring method (50cm^3, each layer), once by ML2X Soil Moisture Tachometer and the probe thermometer (15cm, twice each layer) on Jun. 3, 2008. Data were archived as Excel files.  
 (2) shallow layer soil moisture (0-5cm) measured once by the cutting ring method (50cm^3, once each point) and twice by ML2X Soil Moisture Tachometer on Jun. 4, 2008. 13 points were selected and data were archived as Excel files.   
 (3) LAI by TRAC on Jul. 20, 2008. Data were archived as Excel files.  
 (4) roughness measured by the roughness plate together with the digital camera. 18 points were selected and data were archived in JPG format format.  
 (5) forest investigation of Populus gansuensis from Jun. 5-13, 2008: coordinates, the diameter at breast height and the crown size by the measuring tape, full height by TruPulse200. 408 trees were selected and data were archived as Excel files.  
 See the metadata record “WATER: Dataset of setting of the sampling plots and stripes in the Linze station foci experimental area” for more information of the quadrate locations.

2、Keywords

Theme：Gravity,Soil,Leaf area index,Surface Roughness,Vegetation,Biomass,Soil horizons/profile,Soil moisture/Water content  
Discipline：Terrestrial Surface,Solid earth  
Places：Heihe River Basin, Arid Region Hydrology in the Middle Reaches, Closed observation area of Linze station  
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：40.5MB

4.Data format：文本

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.343556 | - |
| west：100.143583 | - | east：100.144917 |
| - | south：39.342806 | - |

5、Time frame:2008-06-12 00:00:00+00:00--2008-07-29 00:00:00+00:00

6、Reference method

References to data:

ZHU Shijie. WATER: Dataset of survey at the poplar sampling plot at Linze station foci experimental area (2008.06). A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0110.db2013

References to articles:

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National Program on Key Basic Research Project (973 Program

8、Data resource provider

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