A Big Earth Data Platform for Three Poles

**1:1,000,000 Geomrphological map of the Heihe River basin (2000)**

1、Description

The geomorphic data of Heihe River are from the geomorphic Atlas of the people's Republic of China (1:1 million). This data is based on remote sensing image and other multi-source data integration and update. The main data used and referenced include: 1) remote sensing image data: TM and 2000's around 1990's nationwide About ETM image; 2) historical geomorphic map: 15 published 1 million geomorphic maps, two sets of 1:4 million geomorphic maps in China, 500000 or 1 million geomorphic sketches in all provinces and cities in China; 3) basic geographic data: 1:250000 basic geographic data and 250000 DEM data in China; 4) geological data: 1:500000 geological map in China; 5) relevant thematic maps: land use map, vegetation map and land resource map And so on. The interpretation method adopts the human-computer interaction method based on ArcGIS, and is carried out according to the interpretation sequence of hierarchical classification: the first layer: plain and mountain; the second layer: basic geomorphic types (28); the third layer: 10 genetic types; the fourth layer: secondary genetic types; the fifth layer: morphological difference classification types; the sixth layer: secondary morphological difference classification types; the seventh layer: slope, slope The eighth layer is the type of geomorphic material determined by material composition or lithology; the ninth layer is the combination of 1-7 layers of map spots. There are 441 geomorphic types and codes. Data fields include: fenfu (view frame number), name (attribute), class (code), sname (administrative division).

2、Keywords

Theme：Geomorphology,Landform  
Discipline：Terrestrial Surface  
Places：Heihe River Basin  
Time：2000

3、Data details

1.Scale：1000000

2.Projection：4326

3.Filesize：35.09MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.3 | - |
| west：96.1 | - | east：104.2 |
| - | south：37.7 | - |

5、Time frame:2000-01-11 00:00:00+00:00--2001-01-10 11:59:59+00:00

6、Reference method

References to data:

CHENG Weiming. 1:1,000,000 Geomrphological map of the Heihe River basin (2000). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2706042013

References to articles:

中华人民共和国地貌集编辑委员会,中华人民共和国地貌图集（1:100万），北京：科学出版社，2009

7、Supporting project information

8、Data resource provider

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