A Big Earth Data Platform for Three Poles

**Atlas of 1:100,000 deserts in the upper reaches of the Yellow River (2000)**

1、Description

一. An overview  
This data set is a 1:100,000 distribution map of China's deserts as the data source, and it is tailored according to the river basin boundary. It mainly reflects the geographical distribution, area size, mobility and fixation degree of deserts, sandy land and gobi in the upper reaches of the Yellow River.The information source of this data set is Landsat TM image in 2000. Using remote sensing and geographic information system technology, according to the requirements of 1:100,000 scale thematic mapping, the thematic mapping of China's deserts, sandlands and gobi was carried out.  
二. Data processing instructions  
This data set takes the 1:100,000 distribution map of China's deserts as the data source and is tailored according to the basin boundary.The information source of this data set is Landsat TM image in 2000. Using remote sensing and geographic information system technology, according to the requirements of 1:100,000 scale thematic mapping, the thematic mapping of China's deserts, sandlands and gobi was carried out.According to the system design requirements and related standards, the input data is standardized and uniformly converted into various data input standard formats.  
三. data content description  
This data set is divided into desert and non-desert category, the non-desert code is 999. The desert is divided into three categories, namely desert (land), gobi and saline-alkali land, and the classification code is 23410, 2342000 and 2343000 respectively.Among them, deserts (land) are divided into four categories, namely mobile desert (land), semi-mobile desert (land), semi-fixed desert (land) and fixed desert (land). The classification codes are 2341010, 2341020, 2341030 and 2341040.  
四. Data usage instructions  
It can make the resources, environment and other related workers understand the desert type, area and distribution in the upper reaches of the Yellow River, and make the classification and evaluation of the wind and sand hazards in ningmeng river section.

2、Keywords

Theme：Desert,Desert, sand  
Discipline：Terrestrial Surface  
Places：The upstream of the Yellow River  
Time：2000

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：96.7MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.0 | - |
| west：95.0 | - | east：112.0 |
| - | south：32.0 | - |

5、Time frame:2000-09-09 02:42:00+00:00--2000-09-09 03:35:00+00:00

6、Reference method

References to data:

XUE Xian, DU Heqiang. Atlas of 1:100,000 deserts in the upper reaches of the Yellow River (2000). A Big Earth Data Platform for Three Poles, 2012

References to articles:

王一谋, 王建华. 2000, 中国1:10万沙漠(沙地)分布数据集

7、Supporting project information

8、Data resource provider

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