A Big Earth Data Platform for Three Poles

**Vector map of 1:4 million rivers in the upper reaches of the Yellow River (2009)**

1、Description

I. Overview  
The Yellow River is the second longest river in our country. The problem of the Yellow River's sediment has attracted the attention of people all over the world. Based on the vector map of the 14 million rivers in China as a base map, the upper reaches of the Yellow River basin were cut out. The vector map of the river is a key element for extracting the boundary of the basin by using the topographic map, and it is also a key element for flood evolution and sediment evolution.  
Ⅱ. Data processing description  
Using the national vector map of the 14 million rivers as the data source, it is cut out by using the boundary of the upper reaches of the Yellow River.  
Ⅲ. Data content description  
The map is stored in ArcGIS, .shp files, including vector diagrams of the main and tributaries from the source area of the Yellow River to Toudaoguai.  
Ⅳ. Data usage description  
The vector map of the river is a key element for extracting the boundary of the watershed by using the topographic map, and it is also a key element for flood evolution and sediment evolution.

2、Keywords

Theme：Surface Water,Rivers/Streams  
Discipline：Terrestrial Surface  
Places：The upstream of the Yellow River  
Time：2009

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：2.76MB

4.Data format：shp

4、Space scope

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

5、Time frame:2009-01-13 17:05:00+00:00--2010-01-12 17:05:00+00:00

6、Reference method

References to data:

XUE Xian, DU Heqiang. Vector map of 1:4 million rivers in the upper reaches of the Yellow River (2009). A Big Earth Data Platform for Three Poles, 2015

References to articles:

7、Supporting project information

the National Basic Research Program of China

8、Data resource provider

name: XUE Xian  
unit:   
email: xianxue@lzb.ac.cn  
  
name: DU Heqiang  
unit:   
email: dilikexue119@163.com