A Big Earth Data Platform for Three Poles

**Global river and lake vector dataset (2010)**

1、Description

River and lake resources are important components for studying the Earth ecological environment, affecting global ecosystems, heat, material exchange and balance and serving as an important basis for studying changes in the global environmental mechanism. At present, the lack of global lake vector data with large-scale, high-precision, and large-range has hindered hydrological research on rivers and lakes. Taking the data collection of global rivers and lakes of Jun Chen as the source data and combining the domestic high-resolution image GF data of 2 to 3 years before and after 2010, a data set of global rivers and lakes was generated. This data set makes up for the shortcomings of low precision in some areas and is an editable lake and river vector data set with high accuracy.

2、Keywords

Theme：Surface Water,Rivers/Streams,Lakes  
Discipline：Terrestrial Surface  
Places：globe  
Time：2010

3、Data details

1.Scale：250000

2.Projection：

3.Filesize：2634.0MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：-180.0 | - | east：180.0 |
| - | south：-90.0 | - |

5、Time frame:2010-01-13 08:00:00+00:00--2011-01-12 08:00:00+00:00

6、Reference method

References to data:

Global river and lake vector dataset (2010). A Big Earth Data Platform for Three Poles, 2018

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider