A Big Earth Data Platform for Three Poles

**Storage capacity curve of the Hongshiyan, yibadao and xiaogangjian impoundment and flow hydrograph data of breach**

1、Description

Data content: Storage capacity curve of the Hongshiyan, yibadao and xiaogangjian impoundment and flow hydrograph data of breach  
Data source: through literature search, classification, consolidation and compilation.  
Data quality description: through literature retrieval, data of four typical barrier lakes were compiled, including Hongshiyan barrier lake in Ludian, Yunnan, xiaogangjian (upper) barrier lake in Mianzhu County, Deyang City, Sichuan, and yibadao barrier lake in Mianzhu County, Deyang City, Sichuan. The basic parameters compiled here include: dam crest elevation, dam height, dam width and other basic parameters, as well as discharge channel parameters, dam grading, storage capacity curve, breach discharge hydrograph and other parameters, which were summarized and analyzed. It can provide a reference for the parameters of barrier lakes in the Qinghai Tibet Plateau.

2、Keywords

Theme：Natural Disaster,Disaster  
Discipline：Human-nature Relationship  
Places：Yunnan, Sichuan  
Time：2019-2021

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1.71MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：0.0 | - |
| west：0.0 | - | east：0.0 |
| - | south：0.0 | - |

5、Time frame:2019-10-31 16:00:00+00:00--2021-10-30 16:00:00+00:00

6、Reference method

References to data:

ZHANG Xinhua . Storage capacity curve of the Hongshiyan, yibadao and xiaogangjian impoundment and flow hydrograph data of breach. A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2720722022

References to articles:

7、Supporting project information

Catastrophic mechanisms and risk control of disastrous landslides in the Tibetan Plateau

8、Data resource provider

name: ZHANG Xinhua   
unit: Sichuan University  
email: xhzhang@scu.edu.cn