A Big Earth Data Platform for Three Poles

**Flow variation data of fine material dam break**

1、Description

Content: Flow variation data of fine material dam break
Data source: the test data are from the dam-breach model test of China Institute of Water Resources and Hydropower Research
Collection location and method: China Institute of Water Resources and Hydropower Research. Collect and monitor various data through physical model test.
Data quality description: the purpose of this test was to simulate the permeable piping dam break of the dam body, monitor the whole process of the break, and analyze the occurrence and development process of the break. The dam break mode of this test was the dam body permeable piping dam break. The initial piping position was located in the middle of the left side of the dam body. When piping occurs, the water storage height in the model reservoir was 4.6m and the water surface was 0.4m from the dam crest. The dam break process can be divided into seven stages.

2、Keywords

Theme：Natural Disaster,Disaster
Discipline：Human-nature Relationship
Places：Chinese Academy of water resources and hydropower Sciences
Time：2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.01MB

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--2021-10-31 03:59:59+00:00

6、Reference method

References to data:

XIE Dingsong . Flow variation data of fine material dam break. A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2720512022

References to articles:

7、Supporting project information

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

8、Data resource provider

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