A Big Earth Data Platform for Three Poles

**Monitoring of seepage infiltration line and analysis of seepage infiltration degree of dam break (2021)**

1、Description

Data content: Monitoring of seepage infiltration line and analysis of seepage infiltration degree of dam break  
Data source: the data collection place is Sichuan. The experimental analysis was mainly completed in Sichuan University and Chengdu Ruyi Instrument Co., Ltd. The instruments used included high-speed camera, wave altimeter, electronic pressure measuring tube, pressure sensor, mechanical timer, etc. The collection time is 2021.  
Acquisition method: according to the indoor test, observe the evolution process of seepage development in the process of dam break of weir plug dam through electronic piezometer, pressure sensor and high-speed camera.  
Data quality description: carry out the stability model test of dam with different structures, and carry out the indoor test. According to the grading requirements of 14 working conditions, pile the dam body on the bottom plate of the water tank, and arrange multiple cameras to observe. During the process of clean water flowing into the water tank to wash the dam until the end of dam break, observe the coordinates of the infiltration process, and record the change process of the infiltration coordinates with time.

2、Keywords

Theme：Geological hazards,Hydrological hazards,Natural Disaster,multi-disasters  
Discipline：Human-nature Relationship  
Places：Qinghai Tibet Plateau  
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.055MB

4.Data format：None

4、Space scope

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

5、Time frame:2020-12-31 16:00:00+00:00--2021-09-29 16:00:00+00:00

6、Reference method

References to data:

NIU Zhipan . Monitoring of seepage infiltration line and analysis of seepage infiltration degree of dam break (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2720402022

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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