A Big Earth Data Platform for Three Poles

**Investigation report on the impact of the discharge flood of the "11.3" Baige landslide-damming lake on the downstream area of the Jinsha River (2018-2021)**

1、Description

Data content: Investigation report on the impact of the discharge flood of the "11.3" Baige landslide-damming lake on the downstream area of the Jinsha River
Data source: field survey (route: from the junction of the Baqu River (also known as the Bachu River) in Batang County to the reservoir area of Liyuan reservoir).
Data quality description: the disaster situation in the lower reaches of Jinsha River was analyzed from three aspects: damaged bridges, damaged towns (hydrological stations) and ancient barrier lakes. For damaged bridges, record and analyze from the aspects of longitude and latitude, flood mark elevation, bridge deck elevation, bridge type, scouring and destruction, etc were conducted; For damaged towns and hydrologic stations, record and analyze the damage on both banks of the river through visit and investigation were conducted; For the ancient barrier lake, combined with the field investigation and Google Earth map, the formation process of the ancient barrier lake was deduced; For the grading map of pebble and sediment particle size taken by the camera, the pebble particle size in the typical area is generalized into ellipse, and the generalized particle size of pebbles with different sizes was extracted. Finally, the pebble particle size grading curve can be drawn.

2、Keywords

Theme：Hydrological hazards,Natural Disaster,Disaster
Discipline：Human-nature Relationship
Places：Qinghai Tibet Plateau, Jinsha River
Time：2018-2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：19.0MB

4.Data format：None

4、Space scope

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

5、Time frame:2018-10-31 16:00:00+00:00--2021-10-30 16:00:00+00:00

6、Reference method

References to data:

ZHANG Xinhua . Investigation report on the impact of the discharge flood of the "11.3" Baige landslide-damming lake on the downstream area of the Jinsha River (2018-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2720732022

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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