A Big Earth Data Platform for Three Poles

**Physical property data of typical debris flow ditch of G217 and G30 main traffic roads in Tianshan area (2021)**

1、Description

This data is the material physical property data of the typical debris flow trenches of G217 and G30, the main traffic roads in the Tianshan area. This data is the detailed information of the typical debris flow disaster points in the study area, including watershed parameters, channel parameters, and debris flow accumulation material physical parameters; these data can be Combined with the rainfall data, the research contents such as the rainfall threshold of debris flow activities in this area can be further carried out. Including the area of the debris flow basin, the width of the ditch, the length of the ditch, the vertical gradient, the area of the glacial lake, and the physical properties of the debris flow deposits. The physical property data of the accumulation were obtained by experimental equipment such as a laser particle size analyzer, and the saturated permeability coefficient was obtained by a triaxial experiment.

2、Keywords

Theme：Earth SurFace Processes,debris flow  
Discipline：Terrestrial Surface  
Places：China-Pakistan Economic Corridor, Tianshan mountain  
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.40037 | - |
| west：73.451843 | - | east：89.749767 |
| - | south：38.261656 | - |

5、Time frame:None--None

6、Reference method

References to data:

CHEN Ningshen . Physical property data of typical debris flow ditch of G217 and G30 main traffic roads in Tianshan area (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2724322022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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