A Big Earth Data Platform for Three Poles

**Geological structure and polymetallic alteration of deposit (A-2022)**

1、Description

1) Data content: the geological, structural and alteration information of Jiama mining area is a map drawn based on the typical geological information exposed by the open pit in Jiama mining area. 2) Data source and processing: the geological data source is the field first-line geological mapping. The specific mapping content involves a variety of information, such as structural interpretation, alteration zoning, mineral zoning, fracture occurrence drawing and so on. Finally, it can well reveal the coupling relationship between alteration and mineralization of Jiama porphyry metallogenic system. 3) Data quality review: the data has been reviewed indoor and rearranged. 4) Data application achievements and prospects: Nankeng ore block reveals in detail the control mechanism of multi-stage fold deformation on skarn type alteration and mineralization in the sliding nappe structural system. The Qianshan ore block focuses on revealing the spatial distribution relationship of skarn at the contact boundary of different lithostratigraphic units and the control mechanism of fold deformation and rock mass emplacement.

2、Keywords

Theme：Jiama,Rocks/Minerals,porphyry Copper system,Others,Cu
Discipline：Solid earth
Places：Jiama
Time：2018-2022

3、Data details

1.Scale：None

2.Projection：

3.Filesize：22.8MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.7 | - |
| west：91.75 | - | east：91.76 |
| - | south：29.69 | - |

5、Time frame:2018-06-30 16:00:00+00:00--2022-02-06 16:00:00+00:00

6、Reference method

References to data:

LIN Bin , TANG Pan . Geological structure and polymetallic alteration of deposit (A-2022). A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2720352022

References to articles:

7、Supporting project information

The National Key R&D Program of China

8、Data resource provider

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