A Big Earth Data Platform for Three Poles

**Geological Atlas of sulfide of skarn copper (gold) deposit in Fenghuangshan ore field, Tongling**

1、Description

The data include: (1) (a) tectonic map of China（ b) Geological map of Tongling metallogenic area in eastern China  
(2) The geological map of Fenghuangshan ore field shows the xinwuli granite intrusion and related copper (gold) deposits  
(3) Section from tieshantou to baoshantou in Fenghuangshan ore field  
(4) The geological section of baoshandao skarn type copper (gold) deposit shows skarn mineralization in the contact zone between quartz monzodiorite and lower Triassic carbonate rocks. Abbreviation: GRT: garnet; Di: Diopside; Py: pyrite; CCP: chalcopyrite; Cal: Calcite  
(5) The mineral micrographs of skarn, ore and granodiorite in Fenghuangshan skarn deposit（ a) Garnet skarn（ b) And (c) medium coarse pyrite and vein chalcopyrite coexist with quartz, and heterohedral magnetite particles in quartz sulfide stage are filled with quartz or chalcopyrite（ d) Xinwuli granodiorite. Abbreviation: GRT: garnet; CHL: chlorite; Mga: magnetite; Py: pyrite; CCP: chalcopyrite; QZ: quartz; KFS: potash feldspar; HBL: amphibole; Bi: biotite

2、Keywords

Theme：geologic map,Rock Structure,magma,Rocks/Minerals,Tectonics,Geologic Hazard  
Discipline：Solid earth  
Places：Tongling, Lower Yangtze River Belt, Fenghuangshan  
Time：Cretaceous

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：2.11MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.9 | - |
| west：118.0 | - | east：118.083 |
| - | south：30.85 | - |

5、Time frame:None--None

6、Reference method

References to data:

XIE Jiancheng. Geological Atlas of sulfide of skarn copper (gold) deposit in Fenghuangshan ore field, Tongling. A Big Earth Data Platform for Three Poles, doi:10.1016/j.oregeorev.2020.1035372021

References to articles:

Jx, A., Dt, A., QA Lin, Yu, W.A., & Wsbc, D. (2021). Geochemistry of sulfide minerals from skarn cu (au) deposits in the fenghuangshan ore field, tongling, eastern china: insights into ore-forming process. Ore Geology Reviews, 122.

7、Supporting project information

Deep processes and resource effects of major geological events during the Yan Mountains period

8、Data resource provider

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