A Big Earth Data Platform for Three Poles

**Human activity data in key areas of Qilian Mountains (2019)**

1、Description

This data set is the human activity data of Qilian Mountain in 2019. Based on the data of mining, illegal house renovation, new roads, land leveling and ecological restoration in Qilian Mountains, the high-resolution remote sensing images to compare the changes before and after statistical analysis. In the Qilian Mountains area, the changes of land types are investigated and verified block by block; in the areas with suspicious maps, re-interpretation and verification; in the areas with unreflecting images, field verification is carried out to collect relevant data, check and correct the location. At the same time, it further checks the attribute information of mining, illegal house renovation, new roads, land leveling and ecological restoration in the Qilian Mountains in 2019, and unifies the input and editing of the patches and their attributes, forming the data set of human activities in the Qilian Mountains in 2018, realizing the current situation and timeliness of ecological management in the Qilian Mountains, and providing data support for the monitoring of human activities in Qilian Mountains in 2019.

2、Keywords

Theme：Human-nature Remote Sensing,Human activity
Discipline：Human-nature Relationship
Places：Qilian Mountain
Time：2019

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：1250.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.81 | - |
| west：94.75 | - | east：103.48 |
| - | south：36.73 | - |

5、Time frame:2019-01-13 16:00:00+00:00--2020-01-13 03:59:59+00:00

6、Reference method

References to data:

ZHANG Jinlong, QI Yuan, LI Na, ZHOU Shengming, WANG Hongwei. Human activity data in key areas of Qilian Mountains (2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Socioeco.tpdc.2707532020

References to articles:

Qi, Y., Lian, X.H., Wang, H.W., Zhang, J.L., & Yang, R. (2020). Dynamic mechanism between human activities and ecosystem services: A case study of Qinghai lake watershed, China. Ecological Indicators. 117. 106528. 10.1016/j.ecolind.2020.106528.

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: ZHOU Shengming
unit: Cold and Arid Regions Environmental and Engineering Research Institute, CAS
email: 23156311@qq.com

name: LI Na
unit:
email: 1743332743@qq.com

name: WANG Hongwei
unit:
email: wanghw@lzb.ac.cn

name: ZHANG Jinlong
unit:
email: zjinlong@lzb.ac.cn

name: QI Yuan
unit: Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences
email: qiyan@lzb.ac.cn