A Big Earth Data Platform for Three Poles

**Fish collection dataset of the Tibetan Lakes in 2018**

1、Description

In May and September 2018, fish in Tibetan lakes were collected by net-catching and electric-catching methods. The sampling range from east to west can be roughly summarized into three areas: the Qiangtang Plateau in northern Tibet, southern Tibet and the angle between Kunlun Mountains and Karakoram Mountains. A total of 27 lakes have captured fish. The specimens include more than 2,000 specimens of the genus Triplophysa and more than 600 specimens of subfamily Schizothoracinae. This work is a part of the project of “Building Methods for Detection of Aquatic Organisms in the Lake System of the Qinghai-Tibet Plateau”, using traditional fish survey data to generate a list of species in the lake system, which will then be used to combine multiple lakes in Medog and the plateaus. High-throughput molecular data acquired from the system's environmental water samples and tested for visual parameters (lake size, isolation, geographic location, and spectral characteristics) that can be used to predict aquatic biodiversity.

2、Keywords

Theme：Biological Resources,Fish  
Discipline：Human-nature Relationship  
Places：Tibet  
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.01MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.0 | - |
| west：79.0 | - | east：91.0 |
| - | south：28.0 | - |

5、Time frame:2018-05-10 08:00:00+00:00--2018-10-13 19:59:59+00:00

6、Reference method

References to data:

LIU Shuwei. Fish collection dataset of the Tibetan Lakes in 2018. A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2705012019

References to articles:

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: LIU Shuwei  
unit: Institute of Kunming Zoology, CAS  
email: liushuwei@mail.kiz.ac.cn