A Big Earth Data Platform for Three Poles

**Inventory of glacial lakes in Nepal (2000)**

1、Description

This glacial lake inventory is supported by the International Centre for Integrated Mountain Development (ICIMOD) and the United Nation Environment Programme/Regional Resources Centre, Asia and The Pacific (UNEP/RRC-AP).  
   
1. The glacial lake inventory uses the remote sensing data of Landsat，reflecting the current status of glacial lakes larger than 0.01 square kilometers in Nepal in 2000.  
2. The spatial coverage of the glacial lake inventory： Nepal  
3. Contents of the glacial lake inventory: glacial lake code, glacial lake types, glacial lake area, distance between glacial lakes and the glaciers, related glaciers, etc.  
4. Data Projection:  
   
Grid Zone IIA  
   
Projection: Lambert conformal conic  
   
Ellipsoid: Everest (India 1956)  
   
Datum: India (India, Nepal)  
   
False easting: 2743196.40  
   
False northing: 914398.80  
   
Central meridian: 90°00'00"E  
   
Central parallel: 26°00'00"N  
   
Scale factor: 0.998786  
   
Standard parallel 1: 23°09'28.17"N  
   
Standard parallel 2: 28°49'8.18"N  
   
Minimum X Value: 1920240  
   
Maximum X Value: 2651760  
   
Minimum Y Value: 914398  
   
Maximum Y Value: 1188720  
   
Grid Zone IIB  
   
Projection: Lambert conformal conic  
   
Ellipsoid: Everest (India 1956)  
   
Datum: India (India, Nepal)  
   
False easting: 2743196.40  
   
False northing: 914398.80  
   
Central meridian: 90°00'00"E  
   
Central parallel: 26°00'00"N  
   
Scale factor: 0.998786  
   
Standard parallel 1: 21°30'00"N  
   
Standard parallel 2: 30°00'00"N  
   
Minimum X Value: 1823188  
   
Maximum X Value: 2000644  
   
Minimum Y Value: 1306643  
   
Maximum Y Value: 1433476  
For a detailed data description, please refer to the data file and report.

2、Keywords

Theme：Lake ice,Ice lake inventory,Lake ice,Glacier(Ice Sheet)  
Discipline：Cryosphere  
Places：Nepal  
Time：2000

3、Data details

1.Scale：100000

2.Projection：Lambert conformal conic

3.Filesize：43.0MB

4.Data format：shp

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.0 | - |
| west：80.0 | - | east：88.0 |
| - | south：26.0 | - |

5、Time frame:2000-01-08 16:00:00+00:00--2001-01-07 16:00:00+00:00

6、Reference method

References to data:

Samjwal Ratna Bajracharya Samjwal Ratna Bajracharya, Sharad Prasad Joshi. Inventory of glacial lakes in Nepal (2000). A Big Earth Data Platform for Three Poles, 2011

References to articles:

7、Supporting project information

8、Data resource provider

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