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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