

Inventory of Rock Glaciers along the Ghunsa Valley, Kanchanjunga Himal, Eastern Nepal, Version 1

USER GUIDE

How to Cite These Data

As a condition of using these data, you must include a citation:

Ishikawa, M 2002. Inventory of Rock Glaciers along the Ghunsa Valley, Kanchanjunga Himal, *Eastern Nepal, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NSIDC: National Snow and Ice Data Center. <https://doi.org/10.7265/kcht-ws50>. [Date Accessed].

FOR QUESTIONS ABOUT THESE DATA, CONTACT NSIDC@NSIDC.ORG

FOR CURRENT INFORMATION, VISIT <https://nsidc.org/data/GGD610>



National Snow and Ice Data Center

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1 DATA DESCRIPTION

This dataset provides information on a number of Nepali rock glaciers distributed above 4250 m ASL along the Ghunsa valley and the Kanchanjunga glacier (originating from the summit of Mt. Kanchanjunga, 8586 m ASL). The rock glaciers were identified on the basis of air photo analysis and were visited in October and November 1999. The longitude, latitude, and elevation of each rock glacier are given. Geographic coordinates were determined using a 1:50,000 topographic map of Nepal. Two categories of rock glaciers are described: glacier-derived and talus-derived rock glaciers. The internal structure of two rock glaciers (KR4 and KR23) were investigated by DC resistivity imaging.

1.1 Parameters

This data set consists of latitude, longitude, elevation, and internal structure data for rock glaciers.

1.2 File Information

1.2.1 Format

The data are provided in a tab-delimited ASCII file, named `ggd610_nepal_rock_glac.txt`.

File headers in the file include:

Inventory No Unique identifying number for each glacier
N North longitude in deg, min, sec
E East latitude in deg, min, sec
Altitude (mASL) Altitude in meters above sea level
Geographic type of rock glacier Talus-derived, or Glacier-derived
Known Internal structure Ice-cemented or Ice-cored

The ASCII file is 2 KB.

1.3 Spatial Information

1.3.1 Coverage

Data were collected at 24 rock glaciers in the Ghunsa valley, Kanchanjunga Himal, eastern Nepal (87° 57' 38" N, 49° 40' E to 88° 08' 01" N, 56° 40' E). Glaciers are numbered KR01 through KR24, but are not named.

1.4 Temporal Information

1.4.1 Coverage

Data were collected between 1998 and 1999. Measurements at the glaciers were taken in October and November 1999.

2 RELATED DATA SETS

[Air Temperatures at High Altitude, Kanchanjunga Himal, Eastern Nepal, Version 1](#)

3 CONTACTS AND ACKNOWLEDGMENTS

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4 DOCUMENT INFORMATION

4.1 Publication Date

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4.2 Date Last Updated

04 February 2021