

## **MIKKAGLACIÄREN, SWEDEN 1:20,000**

(Aerial Photogrammetric Map)

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This map is based on aerial photographs taken by the Swedish Authorities for Land Survey (LMV) on September 4, 1990. The map scale is 1:20,000 and the map is printed in three colours. Snow coverage and crevasses are mapped from the stereo model. The geodetic base is taken from the official Swedish topographic map at the scale 1:100,000 (28H Sarek). This geodetic base has not been upgraded for many years and includes summit elevations that are barometrically determined. The stereo model used did not cover the north-western corner of the map, which had to be transferred from a construction based on aerial photographs taken in August 1980. Thus, anyone intending to use the map scientifically is recommended to contact the Glaciology Division at the Department of Physical Geography at Stockholm University.

The first maps of Mikkaglaciären were published in 1901 and 1910 by Axel Hamberg. The first one is a detailed map of the frontal area at a scale of 1:10,000, the second is a more general map of the entire massif at the scale of 1:50,000. In 1970 Torsten Stenborg published a map at the scale of 1:10,000 based on aerial photographs taken in 1960. The map was printed in two colours. In 1986 Per Holmlund published a black and white map at the scale of 1:30,000 based on aerial photographs taken in 1980. The 1980 map was constructed at the scale of 1:10,000 using the same geodetic base that has been used for the 1960 map.