

BONDHUSBREEN, SOUTHERN NORWAY, 1 : 10,000

(Aerial photogrammetric map)

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In connection with the hydro-electric power scheme collecting water from the ice cap Folgefonni, various glaciological studies were initiated. One of the more recent of these studies was done in connection with the subglacial water intake under Bondhusbreen, and it proved necessary to start mass balance investigations. A special photo flight was therefore arranged on 11 August 1979; the pictures were taken from 6,100 m a.s.l. and the picture scale was approximately 1:30,000. The map was then constructed by Bjoern S. Haga at Fjellanger Widerøe A/S on a B-8 plotter. The ground control consisted of two triangulation points within the National network and five new triangulation points established by the Norwegian Water Resources and Electricity Board.

The map is printed in 5 colours at a scale of 1:10,000, with contour intervals of 10 m on the glacier and 20 m elsewhere. Particular glaciological features, such as crevasses etc., have been specially marked. In addition, moraine ridges, large blocks, all triangulation points etc. are plotted. Both geographical and UTM coordinates are marked according to the recommendations from the International Symposium on Glacier Mapping held in Ottawa in 1965. The reverse side of the map has some detailed information on the glacier, such as frontal variations since 1875, certain old photographs showing the glacier front taken from the same point in 1891, 1904 and 1971, and some information about the diversion system, etc.