

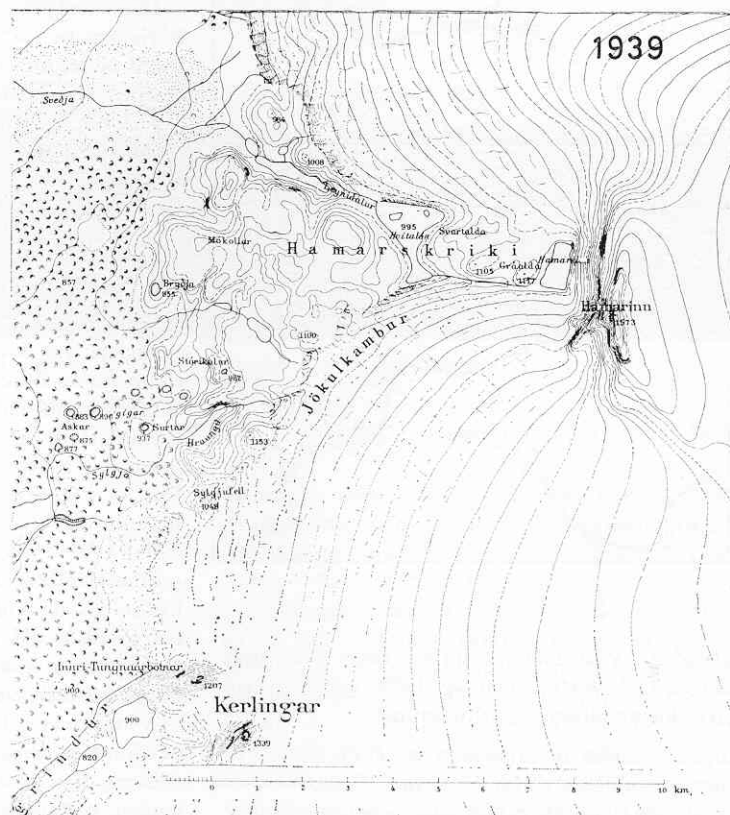
Jökulhlaup í Köldukvísl

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ABSTRACT

In the area called Hamarskriki, west of Mt. Hamarinn in western Vatnajökull, between the outlet glaciers Köldukvíslarjökull and Tungnárjökull, two glacier dammed lakes, Hamarslón and Hvítalón, are known to have existed from time to time. The situation of these lakes, according to maps 1939 and 1945, aerial photographs 1960 and field reconnaissance 1970, is shown in Figs. 1–4. The glaciers Köldukvíslarjökull and Tungnárjökull are surging glaciers

and the lakes have been dammed when the glaciers have advanced. During recession of the glaciers periodic jökulhlaups have occurred. Discharge hydrographs of Kaldakvísl River for some of these jökulhlaups are shown in Fig. 5. These floods are small in magnitude but a considerably bigger flood, total volume about 20 Gt occurred last summer (Aug. 1–3, 1972). This flood originated in Hamarslón Lake. The damming of the lake this time was presumably



Mynd 1. Hamarskriki og umhverfi 1939. Uppdráttur Íslands, Blað 76, hluti.

Fig. 1. Hamarskriki and vicinity 1939. Map of Iceland, sheet 76, part.