JON OVE HAGEN • OLAV LIESTØL • ERIK ROLAND • TORILD JØRGENSEN

GLACIER ATLAS OF SVALBARD AND JAN MAYEN

NORSK POLARINSTITUTT

MEDDELELSER NR. 129
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Contents

Abstract

Data for the detailed glacier inventory of the Svalbard archipelago were compiled from topographical maps, aerial photographs, Landsat satellite images and radio-echo soundings. The work was carried out at the Norwegian Polar Institute where all the background information is available.

Most of the work was done in 1980-81. The topographical maps used are on a scale of 1:100,000 and were made by the cartographical section of the Norwegian Polar Institute for the Svalbard map series project. Many have been updated or totally revised during the past ten years. However, some which had been constructed from aerial photographs dating from 1936 showed glacier areas and glacier fronts that had not been updated. Because most glacier areas have been shrinking since the 1930's, aerial photographs on a 1:50,000 scale taken in 1960, 1966 and 1969-71 have been used to update the extent of the glaciers and investigate the moraine morphology associated with them. Landsat satellite images from August 1980 which show glacier front positions on calving glaciers were also used in the compilation. The new aerial photography carried out in the summer of 1990, which covers the whole of Svalbard, was not used for this inventory. These photos would most likely have confirmed the general retreat of the glaciers because of the negative mass balance on most glaciers during the present century. Consequently, the volumes and areas given in this inventory are probably slightly overestimated compared to the 1990 situation.

Treating each drainage basin separately, the inventory gives information about every glacier that exceeds 1 km^2 in area. Smaller ones were also measured, but are not listed or tabulated individually. Although these comprise as much as 56% of the total number, they cover only 1.1% of the glaciated area.

Radio-echo soundings were carried out by Russian, Norwegian and British scientists. An empirical formula based on these soundings has been used to estimate the depths and volumes of most of the glaciers.

Introduction

The secretariat of the World Glacier Inventory (WGI) was established in the mid-1970's at the Department of Geography, Swiss Federal Institute of Technology (ETH), Zürich. The WGI was set up by UNESCO under the auspices of the United Nations Environment Programme (UNEP) and supported by the International Commission on Snow and Ice (ICSI), affiliated with the International Association of Hydrological Sciences (IAHS). Its aim was to collect standardized data on the extent of glaciers in glaciated regions of the world. It has prepared *Instructions for Compilation and Assemblage of Data for a*

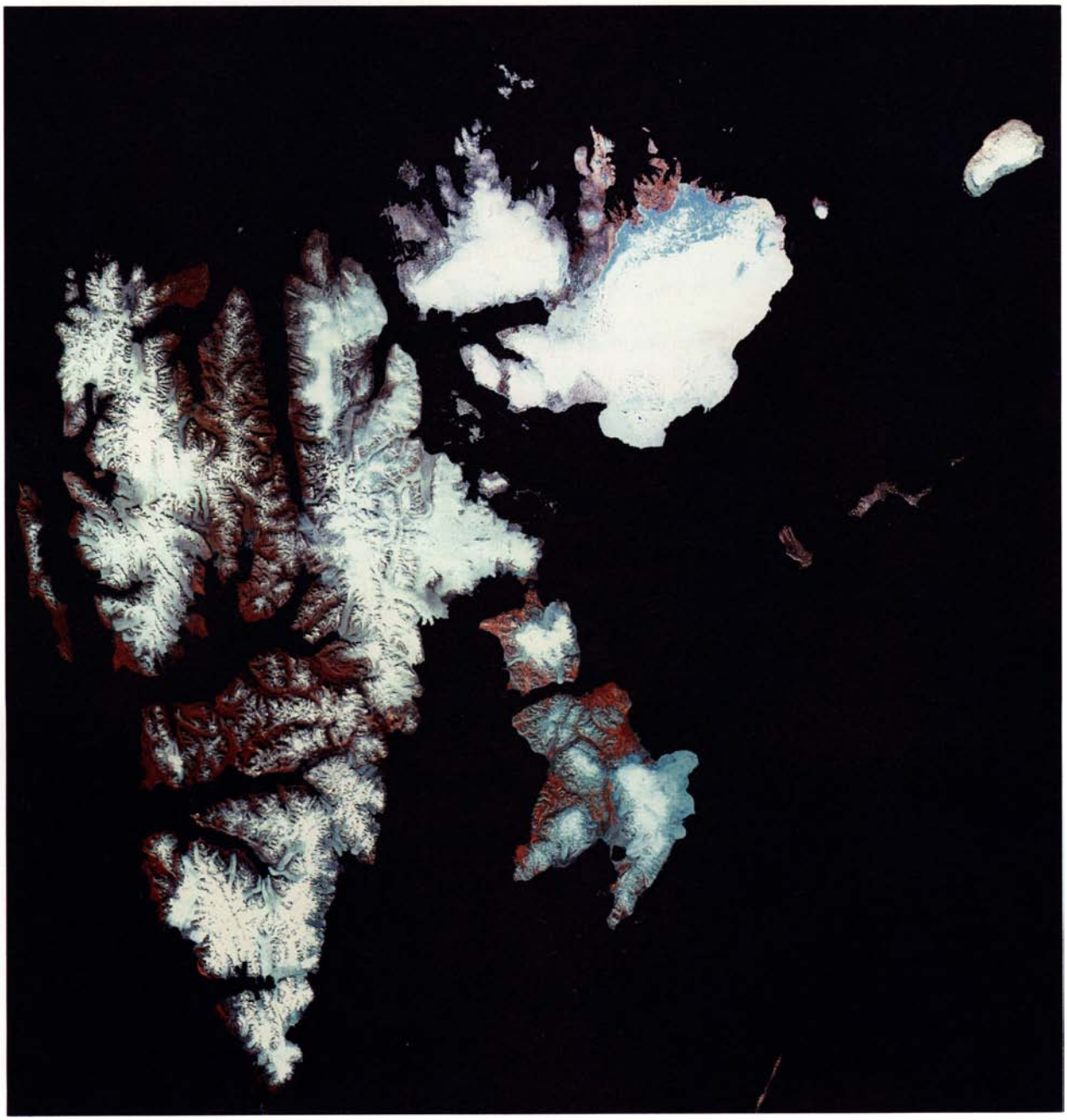


Fig. 1. Landsat satellite image of Svalbard from 1980 gives a good impression of the glacier coverage.

World Glacier Inventory. This gives general instructions which should be used for a wide variety of glacier types and glaciated areas. We have tried to follow these instructions in this Glacier Atlas of Svalbard and Jan Mayen.

The main objective of the atlas is to obtain a data base of all the glaciers of Svalbard and Jan Mayen using reference numbering that follows the WGI system. Thus, the tables and maps comprise the bulk of this inventory. Some general information is given first about the glaciers in Svalbard, briefly referring to some investigations of them.

In the WGI identification system, each continent is given a reference number and is subdivided into regions indicated by letters. Europe has been assigned number 4, and Svalbard is identified by W. The Svalbard region (4W) is again divided into regions, as explained in the text. Jan Mayen, although outside the Svalbard archipelago, has been included by WGI in the 4W region and is therefore included in this inventory.

A selected bibliography is given that covers works referred to in the text as well as key publications which may be of interest to people involved in studying glaciers or related features in Svalbard.

The Svalbard inventory was started in 1980 by Olav Liestøl, and the bulk of the work was carried out in 1980-1981 by Erik Roland who compiled the geographical information in the main tables. The work then stopped until 1989, when the Norwegian National Committee for Hydrology funded its completion. Torild Jørgensen was engaged for six months and Jon Ove Hagen was in charge of the final phase. The work has been carried out at the Norwegian Polar Institute, Oslo, where all the background information is available. Much of the text has also been published in the *Satellite Image Atlas of Glaciers of the World* (edited by Williams & Ferrigno 1993) in the chapter entitled "Glaciers of Svalbard, Norway" by Olav Liestøl.

Comments on the Glacier Inventory Instructions

According to the instructions, all perennial snow and ice masses should be recorded in the World Glacier Inventory. Measurements of glacier dimensions should be made with respect to the carefully delineated drainage area of each ice stream. Tributaries should be included with the main streams when they are not differentiated from one another. If no flow takes place between separate parts of a continuous ice mass, each ice stream should be treated as a separate unit.

The extent to which visible ice, firn and snow are distinguished from rock and debris surfaces will affect the inventory measurements of individual glaciers. Inactive ice must be included in the inventory for hydrological purposes. Marginal and terminal moraines should be included if they contain ice. Glacierets and snow patches that are sufficiently large, and perennial, should be included. Rock glaciers should be included if there is evidence of large ice content.

The instructions seem to have important consequences for the Svalbard inventory and need commenting upon. They always divide the land into drainage basins. In Svalbard, many small ice caps drain in different directions and thus support a number of drainage areas. It would often be more logical to treat these ice caps as one glacier, but in accordance with the instructions we have divided them into separate drainage basins. Examples of this can be seen at Glitnefonna on Nordaustlandet and Digerfonna on Edgeøya. This will sometimes complicate the use of the atlas.

Many ice streams have tributaries that could have been treated as individual glaciers. Hence, it is often the subjective decision of an investigator that determines which glacier qualifies for an individual reference number. This problem can be clearly seen when a surge takes place on one ice stream of a composite accumulation area, as for example on Osbornebreen and Hinlopenbreen. Osbornebreen started to surge during the winter of 1986/87, but only its western branch was affected. Hinlopenbreen has many tributaries in its area, but some of them could readily have been recorded separately.

Our inventory includes all glaciers larger than 1 km² in each drainage basin, and information is given about each one. Glaciers that are smaller than 1 km² are not given reference numbers. They have been counted and their total area was calculated, but they are not treated as individuals. The number and the total area of these small glaciers are given in the tables at the end of every drainage basin. They cover only 1.1% of the glaciated area, but comprise as much as 56% of the total number. Many are just perennial snow patches and not real glaciers, but the instructions require them to be counted.

The inventory was mainly drawn up in 1980-81 and many of the small glaciers may have melted away since then. Svalbard glaciers in general

have had a negative mass balance during this period (see the section on mass balance investigations), especially those having a low mean elevation close to the coast. Thus, many small patches have disintegrated, especially on the flat-lying islands of Kong Karls Land in the east.

The topographical maps used for this inventory in 1980-81 belonged to the main series of maps of Svalbard on the scale of 1:100,000. All the Svalbard maps used in this inventory have been produced by the cartographical section of the Norwegian Polar Institute. Many of them have been revised and re-constructed during the last ten years. The inventory for Edgeøya, Barentsøya, and Nordaustlandet was therefore revised in 1989-90. Some of the maps were constructed from aerial photographs taken in 1936, and the area taken up by a glacier and the position of glacier fronts have not been updated. Because most glacier areas have been shrinking since the 1930's, aerial photographs on a 1:50,000 scale taken in 1960, 1966, 1969, 1970, 1971 and a few from 1977 have been used to update the extent of glaciers and investigate the moraine morphology associated with them. These photographs are available at the Norwegian Polar Institute. Observations on the position of glacier fronts on calving glaciers using Landsat satellite images from August 1980 have also been used in the compilation. Aerial photographs were taken of the whole of Svalbard in summer 1990. These were not used for this inventory, but would probably have confirmed the general retreat of the glaciers because of the negative mass balance on most glaciers this century. The volumes and areas given in this inventory are thus probably slightly overestimated compared to the 1990 situation.

Climate in Svalbard

The mean temperature in winter is remarkably high considering Svalbard's northern position. Temperatures above freezing can even occur in mid-winter.

Ocean currents and general air circulation explain the relatively mild climate. Part of the warm Norwegian Current, a branch of the Gulf Stream, flows into the Barents Sea and part towards the western coast of Spitsbergen where it creates the northernmost area of open water in the Arctic in winter.

The general large-scale air currents are determined by the low pressure area near Iceland and the relatively high pressure area over Greenland and the Arctic Ocean. The result is transport of mild air from lower latitudes towards Svalbard. Further north, the circulation is mostly anticyclonic with prevailing easterly or northeasterly winds. Large temperature differences occur between the two air masses originating from the southwest and northeast, causing extreme fluctuations in weather and temperature. The greatest variations occur in winter when the contrasts between the two air masses are most marked. When snow accumulation is measured on the glaciers in spring, traces of mild periods can often be seen as ice layers in the snow pits. On the other hand, snow may fall at any time during the summer months.

On the western coast of Spitsbergen, the average annual temperature is about -6°C, and it is slightly colder and more continental further inland. The average temperature on the west coast in the warmest month, July, is about 5-6°C, while in the coldest period, January-March, it is about -15°C.

Precipitation is normally low in the Arctic, about 400 mm annually on the western coast of Spitsbergen and half as much in central inland areas. Precipitation is higher on the glaciers due to the orographic effect, but seldom exceeds 2-4 m of snow. The frequent easterly winds caused by troughs of low pressure passing across the Barents Sea bring the highest precipitation to the eastern parts of the islands. The distribution of precipitation on Svalbard is shown in Fig. 2. This figure is based on observations of mass balance on selected glaciers, a few meteorological stations in settlements along the west coast and observations of the altitude of the equilibrium line on the glaciers as shown in Fig. 8.

Fig. 2. Precipitation in Svalbard in mm per year, mainly based on indirect measurements.

Glaciers in Svalbard

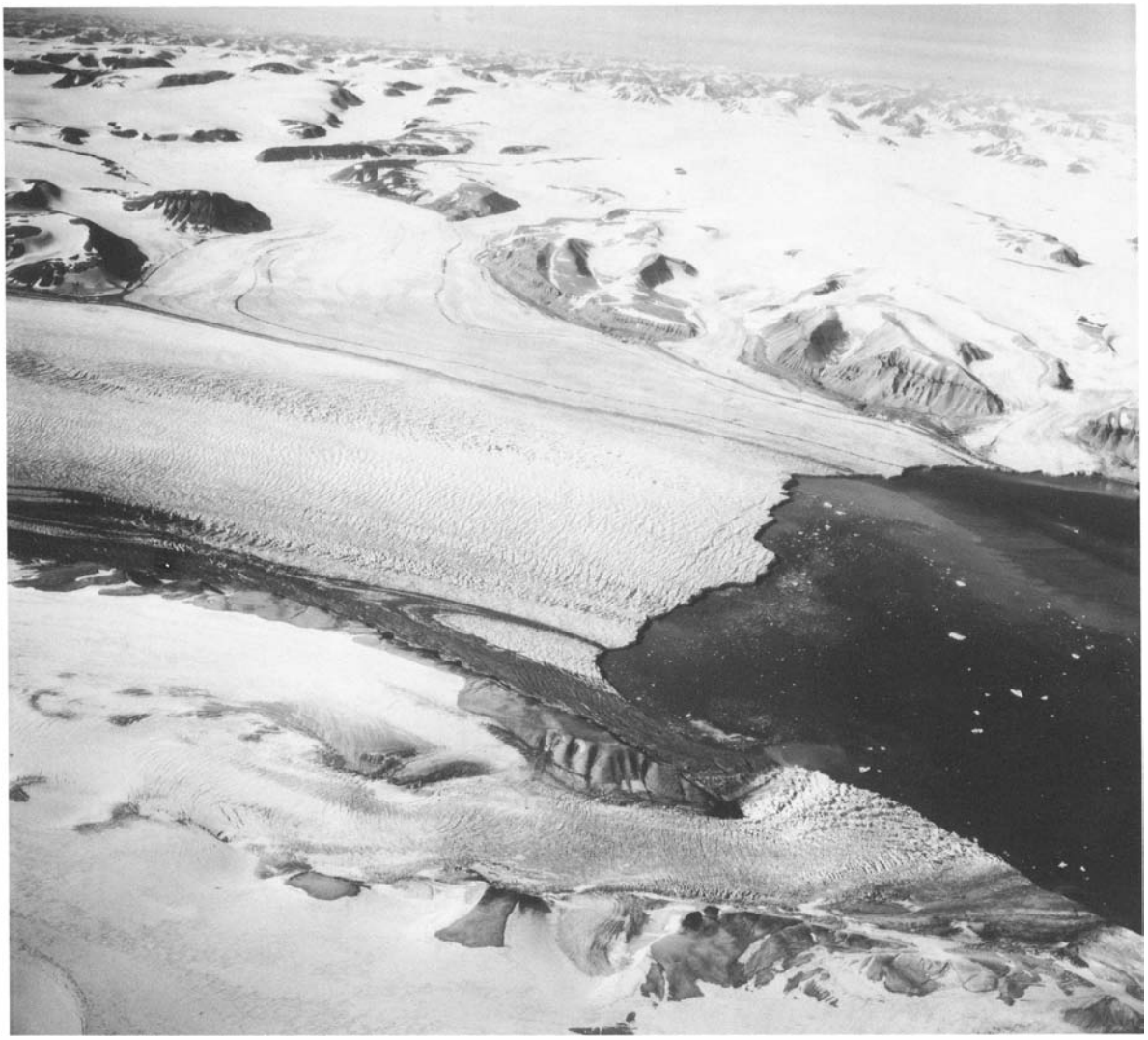


Fig. 3. Northeast Spitsbergen is characterized by large continuous ice masses divided into individual ice streams by mountain ridges and nunataks. The main stream is Hinlopenbreen. Oslobreen partly drains from Ursafonna in the background.

About 60% of Svalbard is covered by glaciers of various types. Most dominant are the huge, continuous ice masses divided into individual ice streams by mountain ridges and nunatak areas. Ahlmann (1933) called this type of glacier the Spitsbergen type. There are also numerous small cirque glaciers, especially in the high alpine mountain regions in western parts of Spitsbergen. Several large ice caps are located in the relatively flat areas of eastern Spitsbergen, Edgeøya, Barentsøya, and Nordaustlandet. Some typical piedmont glaciers are found along the west coast, resting on the strandflat of Prince Karls Forland. Ice shelves do not exist because all glacier fronts terminating in the sea are grounded. Some examples of different glacier types are given in Figs. 3-6.

The majority of the glaciers belong to the subpolar type. The margins and parts of the ablation area are below the freezing point and are partly frozen to the ground, while the accumulation area and the deep-

er part of the ablation area are at the pressure melting point (see the next section). Many of the small cirque glaciers could be classified as polar glaciers because the entire ice mass is below the melting point.

The largest ice caps, ice fields, outlet glaciers, and ice streams in Svalbard are listed in Tables 1 and 2.

Fig. 4. There are numerous cirque and valley glaciers in central Spitsbergen. The main glacier is Paulabreen which ends in the inner part of Van Mijenfjorden.

TEMPERATURE CONDITIONS

Ice-free land areas have continuous permafrost to depths varying from about 100 m near sea level up to more than 400 m in the higher mountains (Liestøl 1977). However, taliks (bodies of unfrozen ground in permafrost) are found under most glaciers. This is due to the thermal regime in subpolar glaciers, the most common glacier type in Svalbard. In the accumulation area of the glaciers, water penetrates into the permeable snow and firn layers. The water refreezes because of subzero temperatures in the snow pack at the beginning of the melting season. Release of latent heat when refreezing takes place raises the temperature to melting point. Deeper layers down to the bottom of the glacier stay at the pressure melting point all year. In the ablation area, most meltwater runs off at the surface of the glacier or in channels or moulins cut into the ice. No effective refreezing occurs then, and negative temperatures are accumulated in the ice mass from one winter to the

Fig. 5. Ahlmanfonna on the northern part of Nordaustlandet, here seen looking east, is a typical example of a small ice cap.

next. Temperature measurements in drill holes on Kongsvegen showed this temperature regime clearly (Fig. 7). The measurements from Kongsvegen and in drill holes on Brøggerbreen and Lovénbreen showed that the glaciers usually are cold in the ablation area down to a depth of 80-100 m. This was confirmed by high frequency radio-echo soundings giving internal reflections from the interface between cold and temperate ice. The two-layered temperature regime on the Svalbard glaciers has been observed on other glaciers, for example on Fridtjovbreen (Glazovsky & Moskalevsky 1989). Some of the small, thin glaciers with thicknesses less than 100 m are cold through the entire ice mass, while thicker glaciers are cold in the thin outer parts and temperate in the deepest, central parts of the ablation area and most of the accumulation area.

The cold or polar glaciers can be distinguished from subpolar glaciers because large icings are formed during the winter in front of most subpolar glaciers. These icings can cover some square kilometres in front of glaciers ending on land. The ice is formed as subglacial water drains from the glacier during the winter.

HYDROLOGY

The low temperatures and the low balance gradients cause low flow rate on the glaciers. Thus, few crevasses are formed and surface meltwater drainage is characteristic for these glaciers. Thick layers of superimposed ice may be formed as the meltwater drains at the cold snow/ice interface. Great areas of slush and superimposed ice are often formed in the lower part of the temporary snow line on the gla-

Fig. 6. Aldousbreen is an outlet glacier from the Vestfonna ice cap in Nordaustlandet. The glacier margins are well defined and indicate that the flow is significantly higher than on the almost stagnant surrounding ice cap.

cier. Numerous meltwater channels are formed on the surface. They gradually melt down into the glacier, and englacial meltwater channels can be formed in this way (Liestøl et al. 1980). Crevasses are also closed by meltwater refreezing along the cold crevasse sides. In some places, moulins are formed which lead the water into an englacial or subglacial drainage system. Dye tracer studies indicate that water from the lower parts of the glaciers drains through the same, well-developed drainage system year after year.

Glacier-dammed lakes are readily formed, both on the surface and laterally. These lakes vary in size, and most of them are short-lived. They are usually emptied during the summer either by reopening of a supraglacial channel or of a moulin at the bottom of the lake. At most glacier fronts the water drains subglacially and contains large amounts of suspended sediment.

The taliks in the accumulation areas allow the meltwater to drain into the subpermafrost ground-water reservoir. This is probably the most important source for the ground water, though little is known of the amount of water draining into the ground. This drainage is also an important source for the artesian water pressure which forms springs and pingos in many places in Svalbard (Liestøl 1976).

THE EQUILIBRIUM LINE

The equilibrium line on a glacier is the boundary between the accumulation area, where there is an excess of snow accumulation over ablation during one year, and the ablation area where ablation exceeds

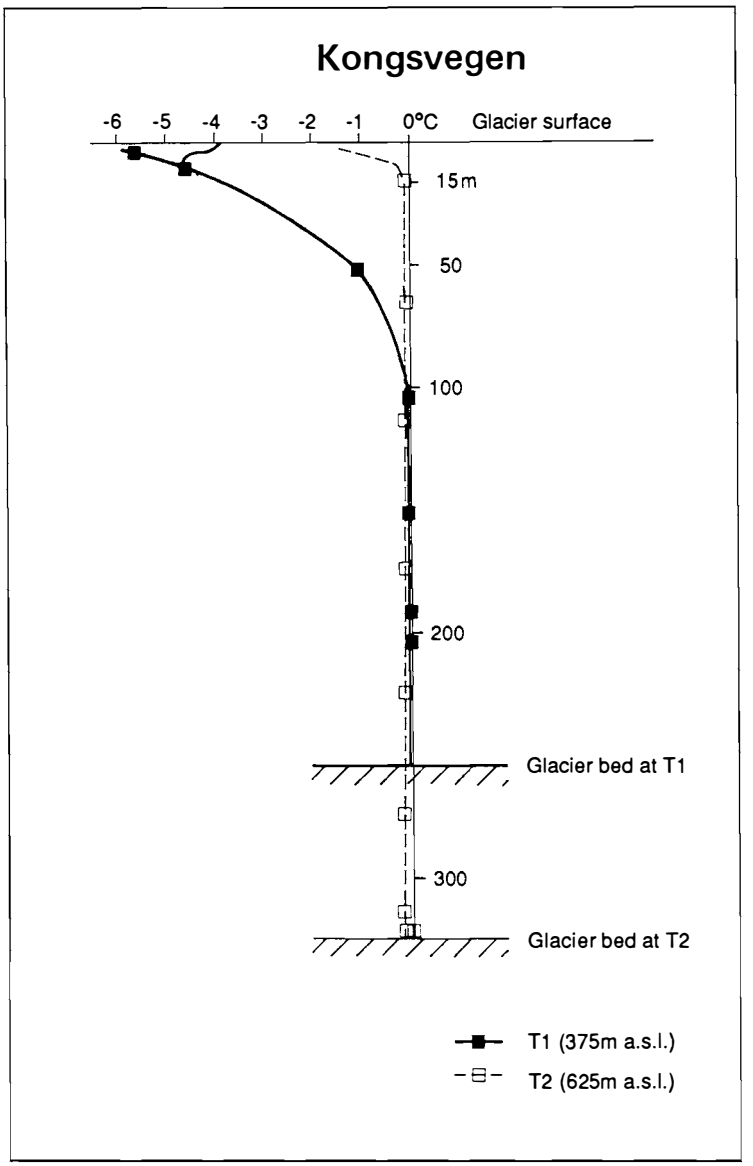


Fig. 7. Temperature measurements from the ablation (T1) and accumulation (T2) areas on Kongsvegen show the temperature regime that is typical for subpolar glaciers in Svalbard.

accumulation. Thus, at the equilibrium line the accumulation equals the ablation, and the net mass balance is zero. The equilibrium line altitude (ELA) on the glaciers is a good indicator of climatic conditions throughout Svalbard. Fig. 8 shows a map of the height of the equilibrium line and is based on data derived from satellite images, aerial photographs, maps and mass balance measurements. This map indicates an altitude of the ELA that keeps the glaciers in balance with their present volume and area. The temperature, and thereby the ablation, varies less than the precipitation from one region to another. The ELA therefore more or less reflects the precipitation pattern that was shown in Fig. 2. Figs. 2 and 8 show that most of the precipitation is brought by southeasterly winds. The ELA is only 200 m a.s.l. in southeastern Spitsbergen, but more than 800 m a.s.l. in the central-northern part, reflecting a more continental type of climate.

However, the glaciers are not in balance with the existing climate. The ice masses are shrinking, and the actual ELA is up to 100 m higher than is shown in Fig. 8. The general pattern is, nevertheless, the same, and thus reflects the precipitation pattern. The higher the ELA, the lower the snow accumulation.

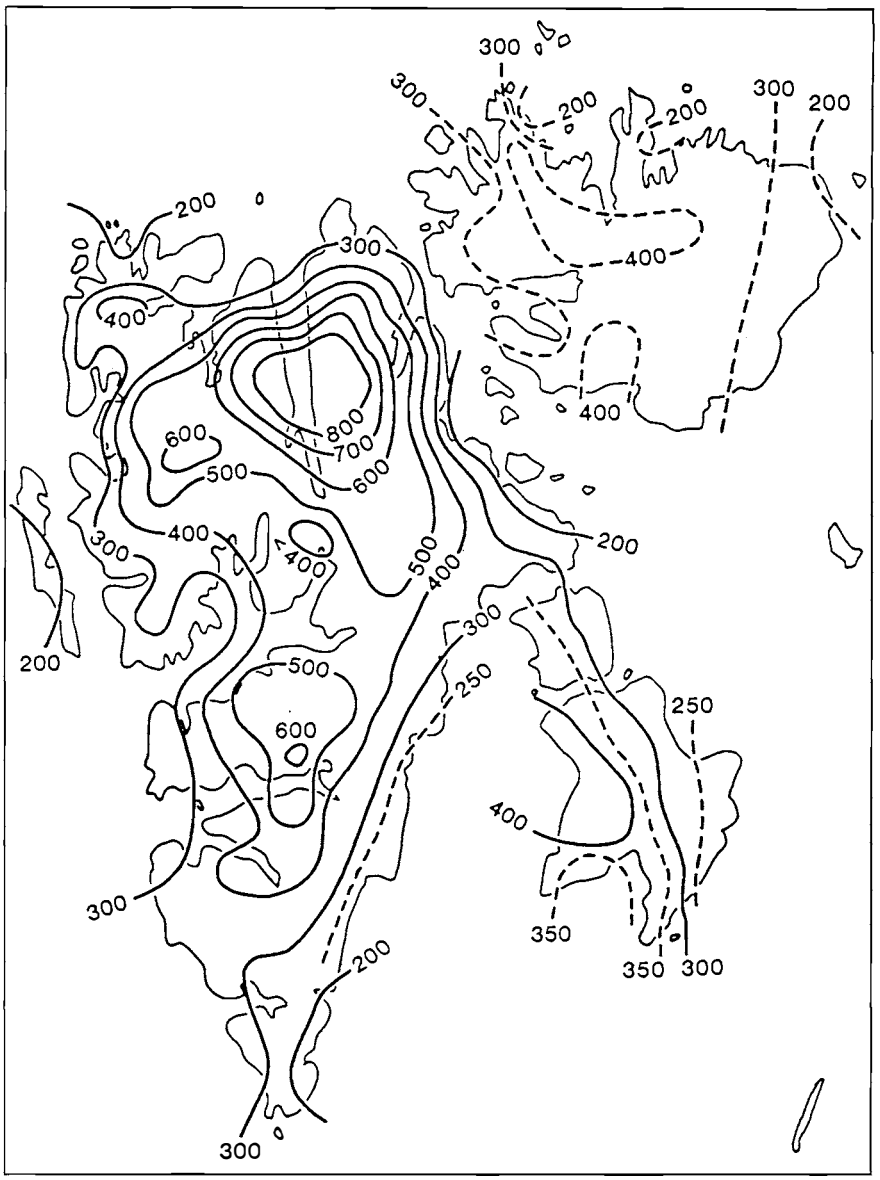


Fig. 8. The estimated equilibrium line altitude (ELA) on Svalbard glaciers for zero net balance, when the glaciers are in balance with their present volume and area.

MASS BALANCE INVESTIGATIONS

In 1950, the Norwegian Polar Institute started the first systematic mass balance studies on Finsterwalderbreen on the south side of Van Keulenfjorden. Since the work was carried out every other year from 1950 to 1966, we only have net mass balance data given as mean values for every other year during this period. The measurements showed a steady decrease of the glaciers with a mean net balance of -0.25 m/year in water equivalents.

Investigations in the Kongsfjord area started in 1966 on Brøggerbreen and a year later on Lovénbreen, and have been carried out every year since. Accumulation and ablation have been measured by direct glaciological methods: snow-sounding profiles, density measurements, and stake readings. The results are given in Table 3. The results for Brøggerbreen are shown in Fig. 9. As mentioned before, the glaciers are not in balance with the existing climate, the ice masses having steadily decreased, with a mean net balance of about -0.40 m/year on Brøggerbreen. A positive net balance has only been recorded in two years (1987 and 1991). The average equilibrium line is about 100 m higher

than the level that gives zero net balance. Steady state would be attained if the average summer temperature was lowered by 1°C, or if winter precipitation increased by about 50% (Hagen & Liestøl 1990).

The annual net mass balance correlates well with the equilibrium line altitude (ELA), and with the mean summer temperature or the sum of positive degree days during the melting season. Based on temperatures recorded in Svalbard since 1912, this high correlation has been used to reconstruct the net mass balance on Brøggerbreen since 1912 (Fig. 10) (Lefauconnier & Hagen 1990). The total ice mass lost in the period 1912-1988 was 34.35 m of water equivalents, corresponding to a mean value of -0.45 m/year. This is almost 30% of the total ice volume of Brøggerbreen.

Russian glaciologists started systematic annual mass balance measurements in 1966 on Vøringbreen in Grønfjorden. In 1973-1976, they extended the programme to three other glaciers, two in central-west Spitsbergen and one on the east coast. The results, given in Table 2, are in good agreement with the Norwegian recordings.

Polish scientists have studied the mass balance on Hansbreen in Hornsund on southern Spitsbergen since 1988, and the front position has been mapped for 30 years.

Both the Norwegian and the Russian mass balance measurements have been carried out on relatively small (2-6 km²), isolated cirque or valley glaciers close to the coast. These glaciers are mainly below 500

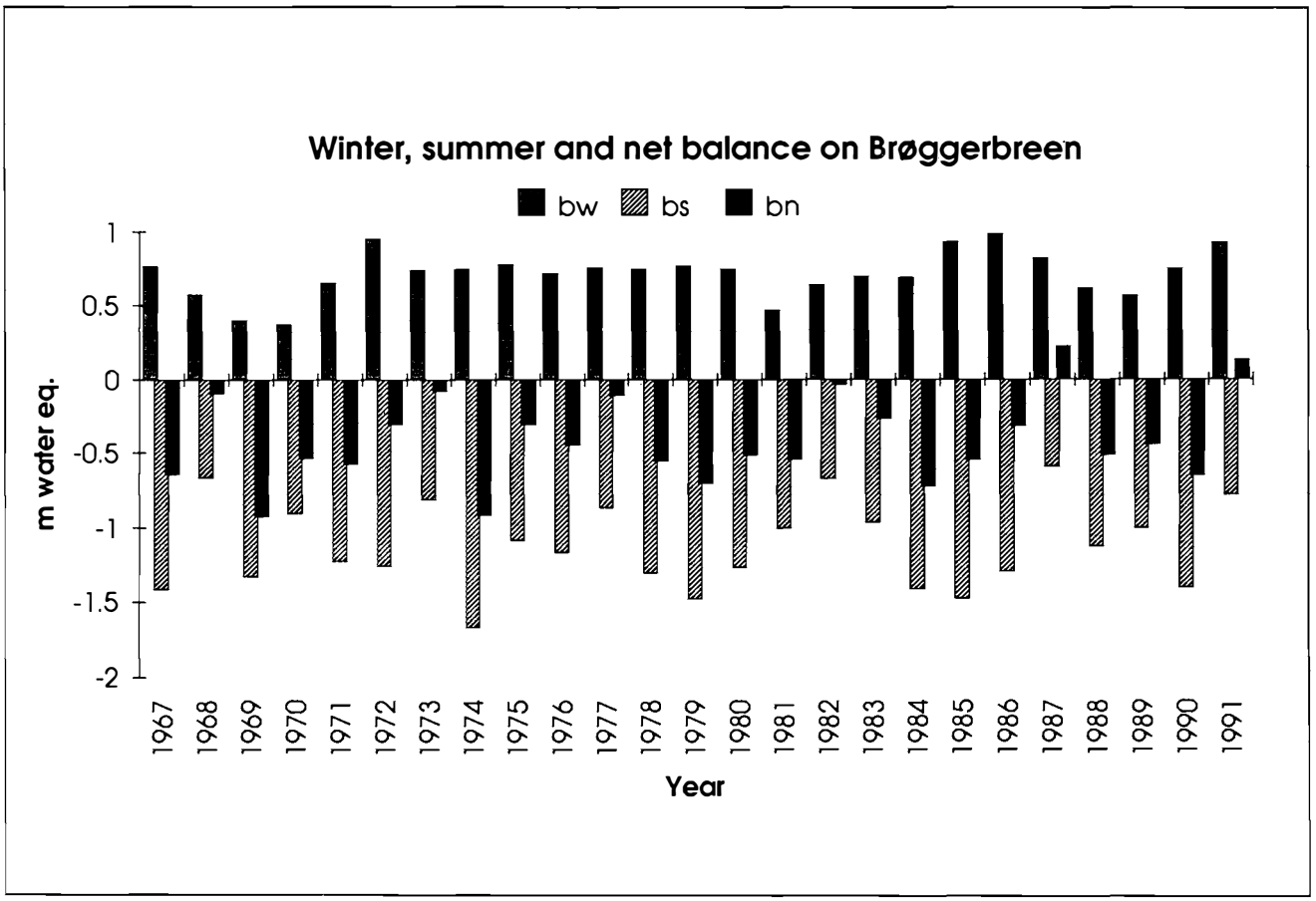


Fig. 9. Specific mass balance on Brøggerbreen in the period 1967-1991.

m a.s.l. Only sporadic measurements were made on large glaciers and ice caps. Mass balance investigations were therefore started on Kongsvegen (105 km²) in 1987. The results after five years indicate that glaciers covering higher accumulation areas are closer to a steady state than the lower cirque glaciers closer to the coast.

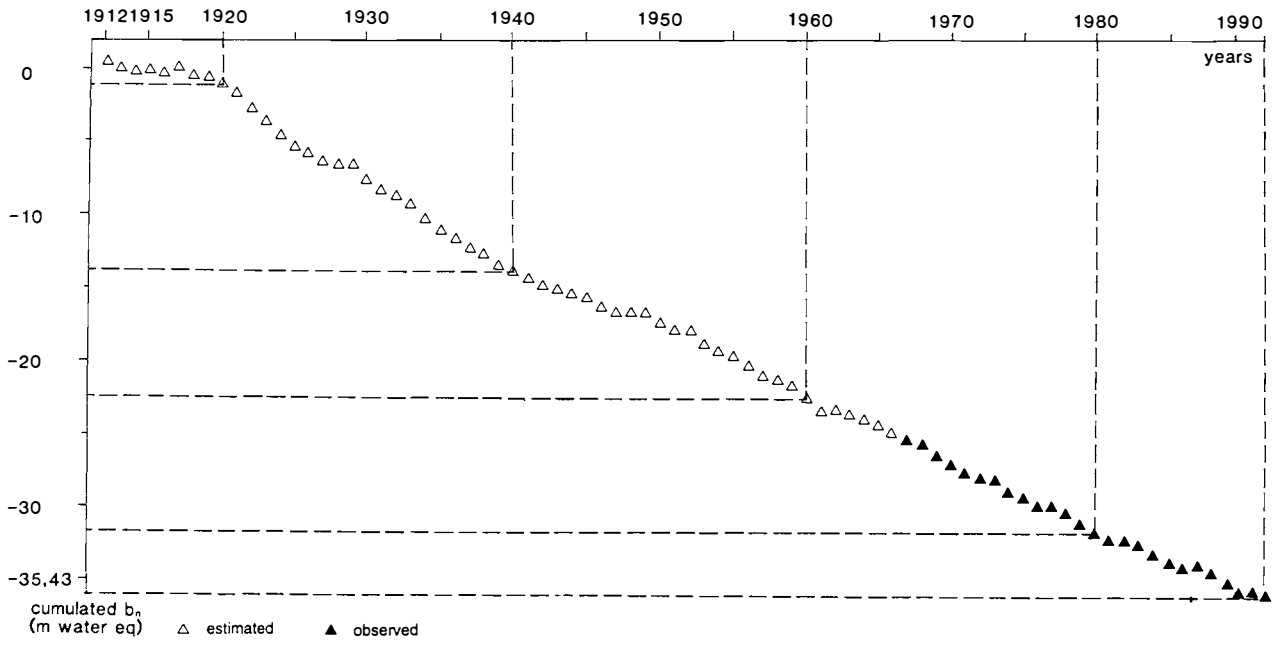


Fig. 10. Cumulative net mass balance on Brøggerbreen since 1912. The result is representative for small glaciers at low altitudes.

GLACIER FRONT FLUCTUATIONS

Most glaciers in Svalbard are of the surge type. It is therefore difficult to use the front position of a single glacier as a climate indicator. Since the motion of most glaciers in Svalbard is very slow, the front will shrink and retreat in periods between surges. The front position therefore gives little information on whether the ice mass is growing or shrinking. Mass balance measurements are therefore necessary to tell the true story about the volume change. However, when averaged over many different glaciers, even the front positions can give some information about the variations in climate. On the other hand, reports of rapid changes in front positions can also give information about the surge processes and periods.

Some information on glacier extent is available from rather early observations by sailors. In the 17th and 18th centuries, Dutch and English whalers plotted glacier fronts or Ysbergs on their maps. These maps are often poor, but they provide some evidence that many glaciers were not much larger than today.

Observation of front positions during this century indicate a general retreat of the ice masses in Svalbard during the last 80 years. The main exceptions are surging glaciers. This is in good agreement with mass balance reconstructions based on temperature recordings since 1912 (see above). Old maps and descriptions provide fairly good information about the front positions in Kongsfjorden on the northwest coast (Fig. 11) (Liestøl 1988). Because the sailors were obviously mainly

interested in glacier fronts in the sea, less old information is available for the small glaciers ending on land.

When direct observations and photographs from the beginning of this century are compared with more recent photographs, it is obvious that most Svalbard glaciers have decreased considerably during this period. Lefauconnier & Hagen (1991) mapped all front positions of calving and surging glaciers in eastern Svalbard since the beginning of this century. Their results confirmed this general retreat.

ICE FLOW MEASUREMENTS

The permafrost conditions cause large parts of the glaciers to be at temperatures below freezing. At least the margins are frozen to the ground. Accumulation is fairly low, usually less than 3 m of snow. In addition, the internal deformation rate is lowered by the negative temperatures. Because of these factors, the flow rate is usually low.

Velocity measurements have been carried out on some glaciers. The most extensive and detailed work was carried out by German Democratic Republic (GDR) scientists in 1962-65 in the Kongsfjorden area. Velocities of up to 4 m/d were recorded on Kronebreen, and a mean velocity of 1.5 m/d was even found during the winter (Voigt 1965). These velocities are much greater than those found elsewhere in Svalbard for glaciers of similar size. In a large drainage basin (Basin 5) from Austfonna on Nordaustlandet, a maximum mean velocity of 0.13 m/d was recorded during the period May 1986 to May 1987 (Dowdeswell & Drewry 1989).

Small valley glaciers ending on land usually have very low velocities. Velocity measurements have been carried out for many years on Brøggerbreen and Lovénbreen. On Brøggerbreen, the maximum velocity close to the equilibrium line was less than 0.01 m/d (2 m/a), whereas it was close to 0.02 m/d (4.5 m/a) on Lovénbreen (Liestøl 1988). Many of these glaciers have a flow pattern that shows very low velocities in the lower part of the ablation area and considerably higher ones in the middle and upper parts. This is a characteristic pattern of a surge glacier.

The low velocity of most of the glaciers is unable to transport all the snow accumulating in the upper areas. A steady-state profile cannot be maintained. Thus, the gradient gradually increases and the result may be a surge advance.

SURGE

Glacier surge is a dramatic increase in glacier velocity, up to one hundred times the normal flow rate, and results in a great volume of ice being transported from higher to lower parts of the glacier, usually accompanied by a rapid advance of the glacier front. Surges recur periodically. Intervals between them vary from 30 to more than 100 years, and each glacier is characterized by a particular interval, a surge lasting on average 1-3 years in roughly constant periods (Meier & Post

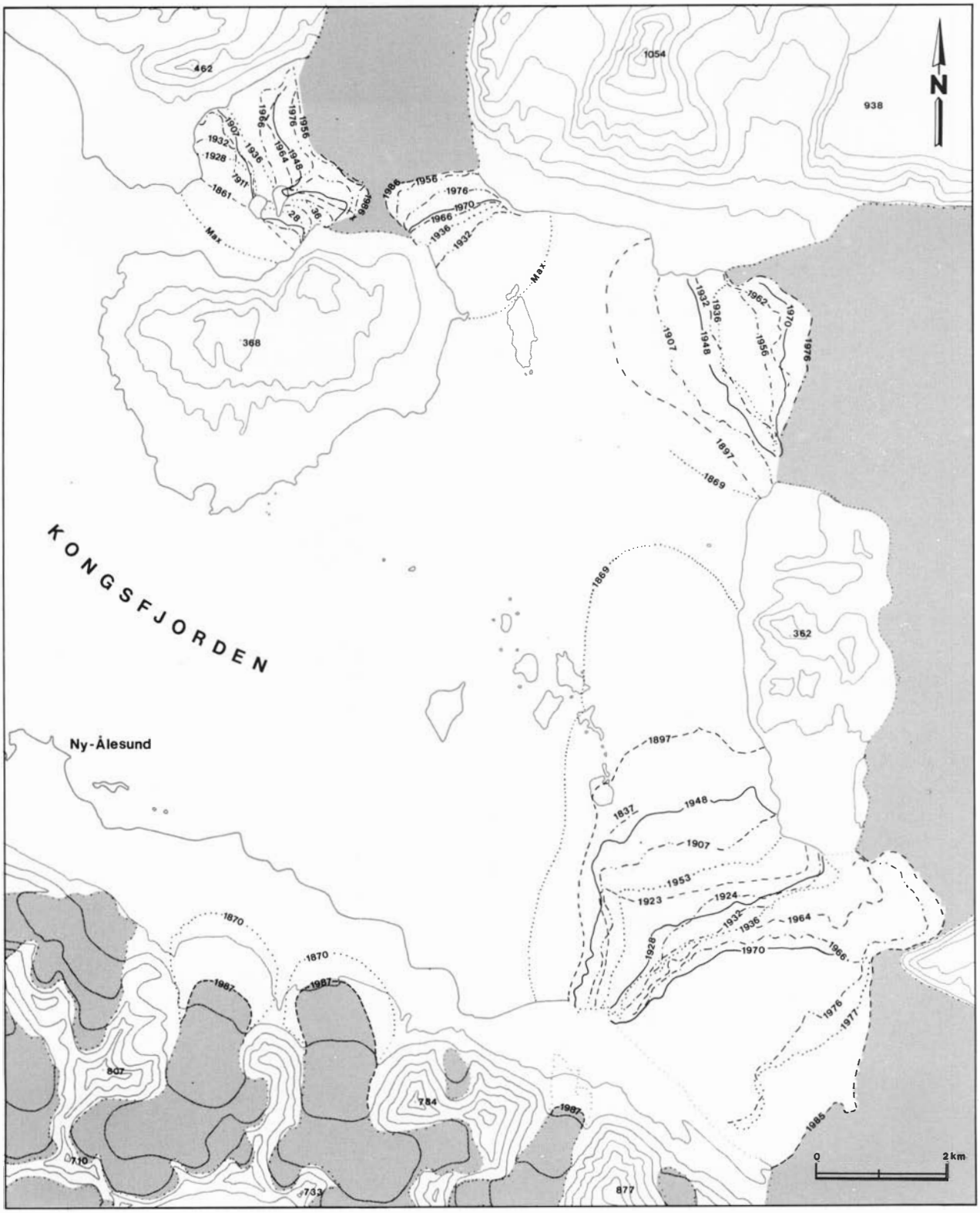


Fig. 11. Glacier front fluctuations in Kongsfjorden showing the general retreat during this century.

Left:
Fig. 12. Freemanbreen on Barentsøya before (1936) and immediately after a surge (1956).

1969). Surges seem to take place most commonly in subpolar glaciers (with temperate and cold parts) and are characteristic for Svalbard glaciers.

Glacier surges occur independently of climatic variation, which only affects the length of the period between surges. In a normal non-surging glacier there is a balance between snow accumulation in the upper part and ice transport/ice flux down to the ablation area. Hence, the glacier maintains a constant (steady-state) longitudinal profile. In a surging glacier, however, the flow rate, and hence the ice flux, is too low to maintain the steady-state profile. When ice flux is significantly less than accumulation, the possibility for a surge exists. The surface gradient gradually increases, causing the basal shear stress to increase, too. When the shear stress reaches a critical, but unknown, value, the surge begins and the sliding velocity increases rapidly (Meier & Post 1969). The triggering mechanism of a surge is not clear, but is probably a combination of increasing basal shear stress and increasing subglacial water pressure (Kamb et al. 1985).

Fig. 13. The front of Usherbreen in 1985 after a surge that started in 1978. Note the folded, pushed moraine ridge system.

The ice velocity in a surge varies from one glacier to another; 2-5 m/d is common, but up to 100 m/d has been recorded at Bruarjøkulen in Iceland (Thorarinsson 1969). The high sliding velocities require that

the basal ice is at melting point during the surge (Paterson 1981). Increased heat produced from friction results in an increased production of water which in turn provides lubrication, maintaining the high sliding velocity and lowering the gradient even more than to the steady-state profile. The upper part of the glacier is usually lowered 50-

100 m, the lower part being thickened by the same amount or even slightly more. After the surge, the lower part stagnates and becomes thinner through melting while the upper part becomes thicker through accumulation.

Records show that 90% of Svalbard glaciers are surging. Surges have been dated on nearly 100 glaciers from 1860 to 1992 (Table 2), but several surges may have occurred which have not been recorded. Changes in the longitudinal profile and the position of the front have been recorded on some of these glaciers. Surges occur on all types of glacier, from small inland ones to large calving, tidewater glaciers (Figs. 12-16).

A characteristic difference in behaviour has been observed between large glaciers ending on land and those ending in the sea. In the latter

Fig. 14. Folded moraines on Battybreen many years after a surge.

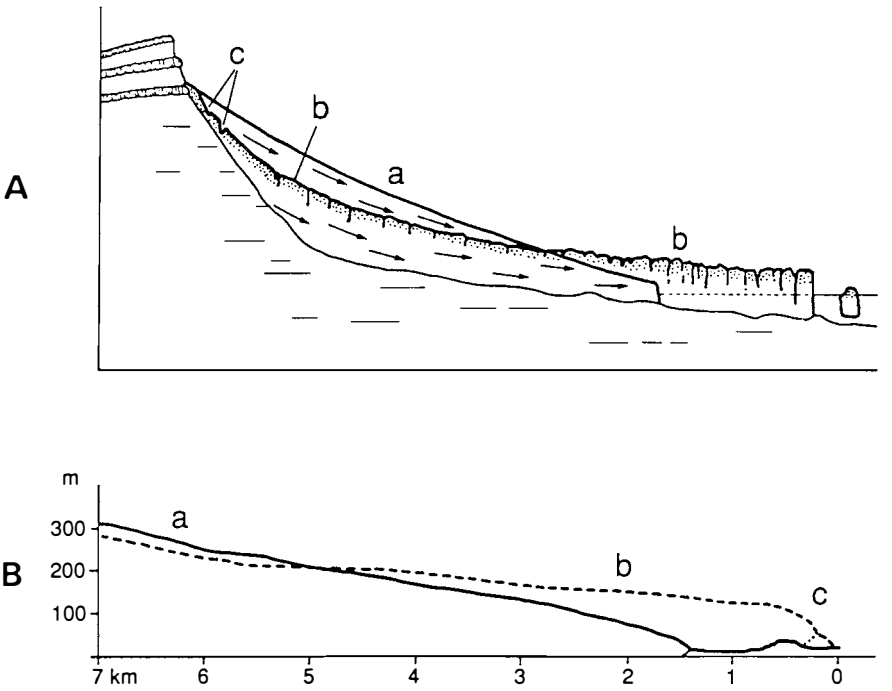


Fig. 15. Longitudinal profile changes during a surge. A is a sketch of a calving glacier and B is measured changes on a glacier ending on land.
A: a) pre-surge surface, b) post-surge surface, c) concentric crevasses in the upper basin close to a cliff.
B: a) pre-surge surface b) post-surge surface, c) marked convex front.

case, the entire glacier system is usually affected, the main stream triggering the surge of many minor tributaries. On glaciers ending on land, however, only the surging stream is involved, resulting in the formation of the complicated, folded, moraine systems frequently observed on Svalbard glaciers.

A number of descriptions of surge events have been published from Svalbard, including observations recorded by various expeditions. In 1839, the French Recherche Expedition described the Recherchebreen glacier in Bellsund as being heavily crevassed, with the ice front extending 3 km beyond its present position. Fridtjovbreen on the north side of Bellsund surged in 1858-61. The glacier advanced 6 km, filling the entire Fridtjov Harbour. Some of the sea floor was pushed up in front of the glacier and banks of shell-bearing clay were observed.

The two largest surges known in Svalbard occurred at approximately the same time, Negribreen in 1935-36 and Bråsvellbreen in 1937-38. During one year, Negribreen advanced 12 km into the fjord along a 15 km wide section of the front. Bråsvellbreen advanced 20 km into the sea along a 30 km wide front (Liestøl 1969).

Detailed observations have been made on Hessbreen in Van Keulenfjorden (Liestøl 1974), Usherbreen in Storfjorden (Hagen 1987) and Bakaninbreen, a tributary glacier of Paulabreen in the inner part of Van Mijenfjorden (Dowdeswell et al. 1991).

When a glacier surges into the sea, it becomes heavily crevassed and numerous, but relatively small, icebergs are produced during the active advance period. However, during the years following the advance, when glacier activity decreases, fewer, but larger, icebergs are produced.

The duration of the active phase is significantly longer on Svalbard glaciers than for surge-type glaciers observed elsewhere (Dowdeswell et

Fig. 16. Marmorbreen just after its surge in 1965-70. The convex front is typical for surging glaciers ending on land.

al. 1991). In Svalbard, the active phase may last as long as 3-10 years, while a duration of 1-2 years is more typical in other regions, such as Alaska. Ice velocities during the active phase are also considerably slower; mass is transferred down-glacier more slowly, over a longer period, and the termination of the active phase is not very abrupt.

When a glacier surges, characteristic features remain on the glacier itself and on the landscape, and when they are preserved these formations provide evidence of earlier surges. Folded medial moraines and frontal changes are typical. Folded frontal moraines after a strong push may occur on glaciers ending on a sandur plain close to sea level, as on Usherbreen.

Examples of surges are shown in Figs. 12-16.

RADIO-ECHO SOUNDINGS

In 1972, radio-echo sounding using spot measurements were carried out on Foxfonna above a coal deposit that was being assessed, and a subsurface map was made (Liestøl 1974).

Russian scientists were the first to carry out extensive radio-echo soundings on glaciers in Svalbard. They used ultra high frequency (UHF) radar of 440 MHz and 620 MHz. Most of their work was carried out from helicopters, but they also performed detailed over-snow soundings on selected glaciers (Macharet & Zhuravlev 1982). In 1980 and 1983, the Scott Polar Research Institute (SPRI), England, and the Norwegian Polar Institute carried out soundings from aircraft, using very high frequency radar (VHF) at 60 MHz (Dowdeswell et al. 1984a, b). In many cases, the UHF equipment seemed to underestimate the ice thickness. The SPRI system at 60 MHz recorded depths that were 2-3

times greater on many glaciers. Compared with various gravity-surveyed beds, the 60 MHz results seemed to be most correct, within ± 10%.

Absorption and scattering of radio signals by meltwater, soaked firn and ice lenses increase with radio frequency. Dowdeswell et al. (1984a) suggested that this is probably the main reason why both Russian and SPRI equipment seldom received any bed echoes from accumulation areas. Therefore, no data are recorded from large areas of the glaciers. Bamber (1987a, b, 1988, 1989) has investigated the problems of scattering from internal discontinuities in ice masses close to the melting point and used Svalbard glaciers as examples. Dowdeswell et al. (1984a) recommended the use of radio-echo soundings below 10 MHz for bed sounding in the accumulation areas. In 1988, 8 MHz ground-operated radar equipment was used for detailed mapping of the subglacial topography on Brøggerbreen, Lovénbreen and Kongsvegen (Hagen & Sætrang 1991). This equipment gave clear bottom returns even in the accumulation areas. The echoes showed that the bed of Kongsvegen was at sea level as far as 12 km upstream from the front (Fig. 17).

The most extensive radio-echo mapping was carried out on Austfonna (8105 km²) using aircraft-based soundings in 1983 (Dowdeswell et al. 1986). Profiles were taken 5 km apart and maps of the subglacial,

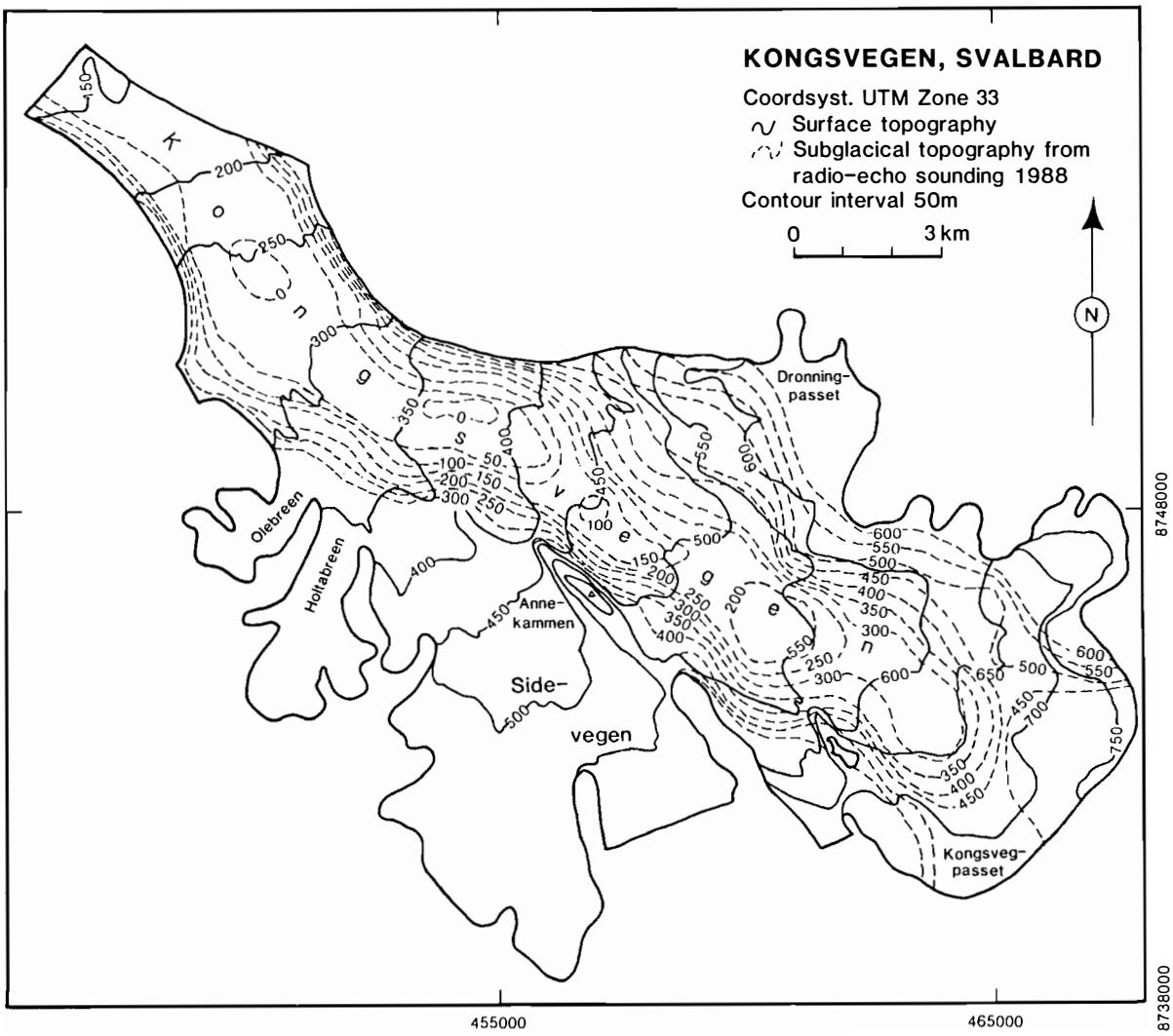
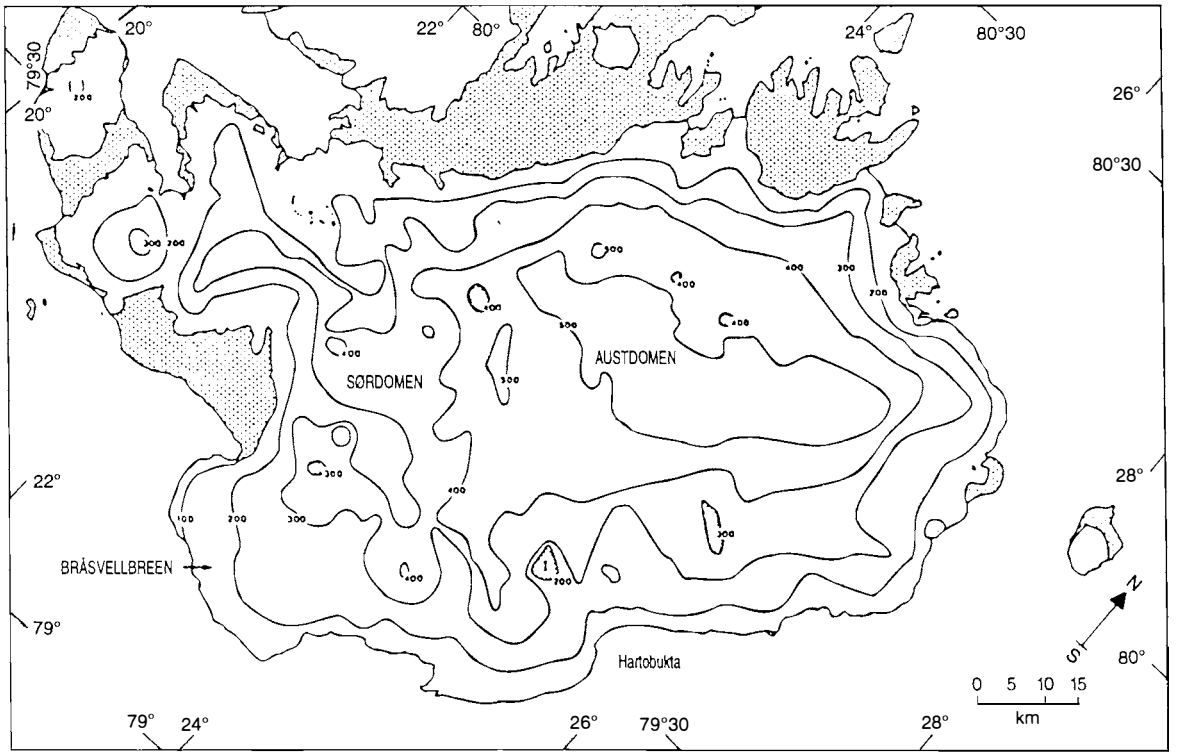


Fig. 17. Surface and subglacial topography derived from radio-echo soundings on Kongsvegen (after Hagen & Sætrang 1991).

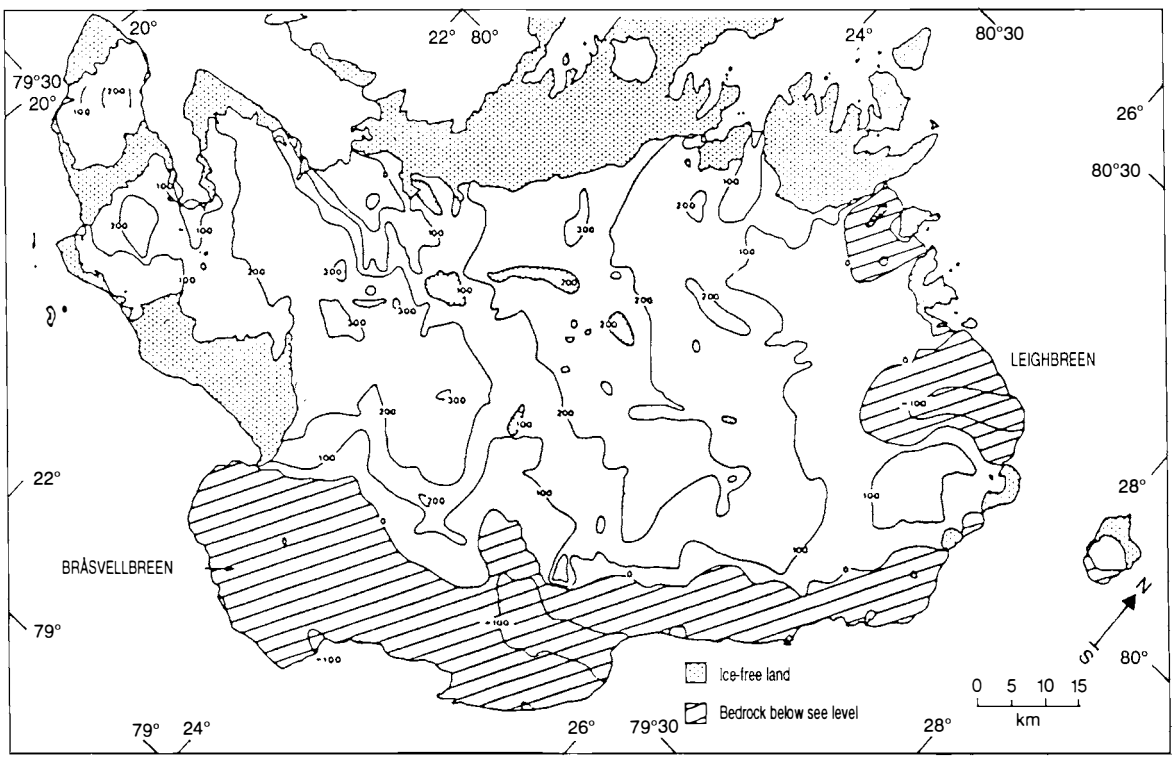


bedrock topography and ice thickness were produced (Figs. 18, 19 and 20). 28% of the bedrock area beneath Austfonna was below sea level.

In 1990, newly-developed multi-frequency radar was used to map the temperature regime of the glaciers. This radar can operate on different frequencies just by changing the antennae (Hamran 1989). At low frequencies (5-20 MHz), the signals penetrate both cold and temperate ice and are reflected from the bedrock. At higher frequencies (320-370 MHz), they are reflected from the interface between cold and tempe-

Fig. 18. Ice surface elevations on Austfonna. Contour interval 50 m. Ice-free land is dotted. After Dowdeswell et al. (1986).

Fig. 19. Subglacial bedrock elevations beneath Austfonna. Contour interval 100 m. After Dowdeswell et al. (1986).



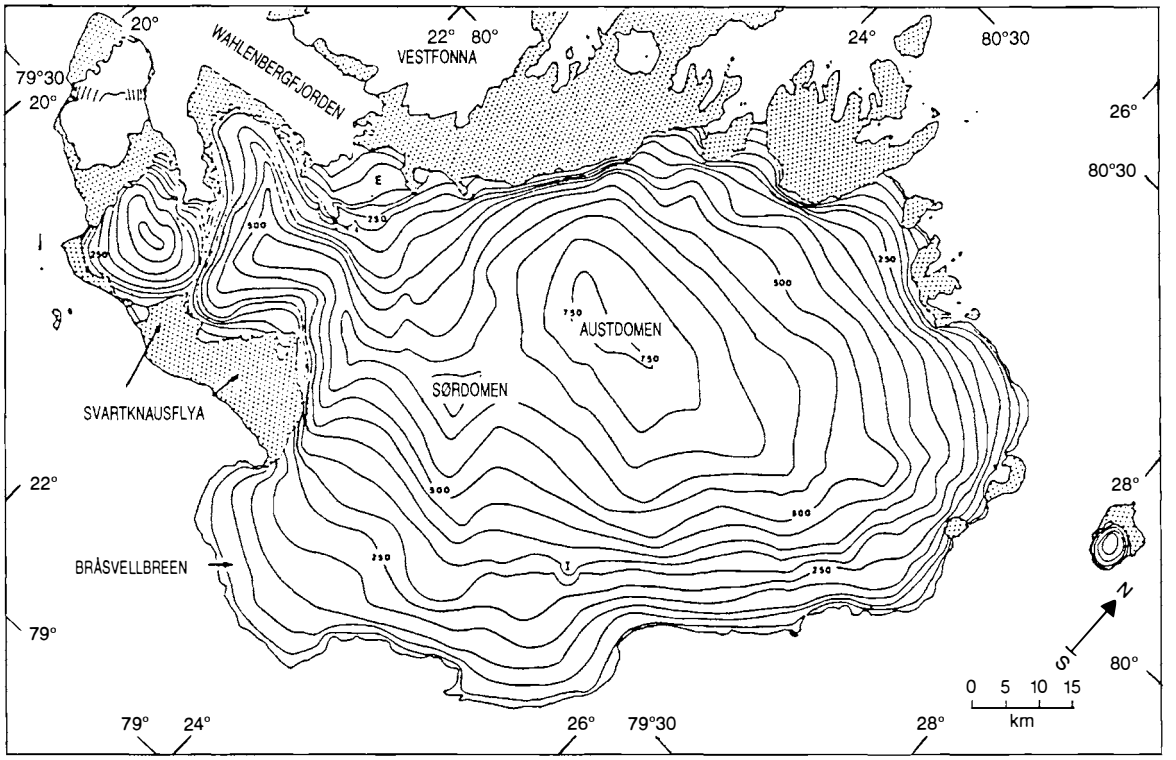


Fig. 20. Thickness of ice making up Austfonna. Contour interval 100 m. After Dowdeswell et al. (1986).

rate ice. On Kongsvegen, this radar gave inner reflections that showed an 80-100 m thick cold, upper layer in the ablation area, and a temperate accumulation area, which is in good agreement with temperature measurements in drill holes (Fig. 7).

CORE DRILLINGS

Shallow core drillings have been carried out on a number of glaciers to detect the radioactive layers from the Chernobyl accident in 1986 and from nuclear tests in 1961-62. The depth of the layers has been determined for mean annual mass balance studies.

Deep core drillings have been carried out on several glaciers, mainly by Russian scientists, but recently also by Japanese glaciologists. The Japanese team drilled down to 85.6 m on the Høghetta ice dome in northern Spitsbergen. The ice was dated using the C_{14} method, volcanic layers and tritium reference layers (Fujii et al. 1990). The interpretation of the core discussed by Dowdeswell et al. (1990) was rather complicated.

Russian scientists have drilled several glaciers. They started in 1975 on the divide between Grønfjordbreen and Fridtjovbreen, drilling a 213 m deep core at a drill site 450 m a.s.l. They used b-activity from the 1961-62 reference layers to detect the annual accumulation rate. Because of the warm firn with meltwater percolation, they had problems separating the core into annual/seasonal layers. However, oxygen isotopes (δO_{18}) were analysed and presented as 10-year mean values illustrating the general trend of the variations. These were used to interpret mean annual air temperature variations (Vaykmyae et al. 1977).

In 1976, the same groups drilled on the Lomonosovfonna ice plateau

in central-northern Spitsbergen. The drill site was at 1000 m a.s.l. and the core depth was 200 m (Gordiyenko et al. 1981). Here, cold firn was measured by using surface melting during the summer. A seasonal variation of oxygen isotopes was observed. The accumulation rate derived from b-activity in reference layers was found to be 0.90 m of ice per year. The Russian scientists concluded that the climatic variations in the North Atlantic had not been synchronous with climatic fluctuations in Europe and North America. In particular, they found that long-term changes in Svalbard lagged behind those in Europe.

In 1980, a Russian-Polish group drilled in south Spitsbergen, at 700 m a.s.l. on Amundsenisen. A thermal core drill reached the bedrock at a depth of 580 m. Ice core samples were taken to a depth of 380 m. The drill site was located in a warm firn zone (Kotlyakov 1985).

In 1981, a Russian team drilled to the bedrock at a depth of 208 m in the Vestfonna ice dome in Nordaustlandet. The drill site was at 580 m a.s.l. in a cold firn zone. Variations in Cl concentrations enabled seasonal layers to be distinguished at different depths. It was found that the accumulation rate had been fairly constant for 500-600 years (Punning et al. 1985; Vaykmyae et al. 1985).

Another core has been drilled on the summit of Austfonna (700 m a.s.l.) in Nordaustlandet to a depth of 204 m. The drill site was located in warm firn and was stopped mainly because water percolated into the drill hole (Arkhipov et al. 1987).

These core drillings have shown that on many glaciers in Svalbard percolation is too high to give reliable climatic interpretations from oxygen isotope variations, but that there are areas with very little melting and cold firn. On glaciers in these areas at high altitudes (1000-1200 m a.s.l.), the seasonal layers are probably not completely disturbed. Thus, core drillings in these glaciers may provide valuable information for monitoring air-transported pollution in this part of the Arctic, as well as data on climatic history during the last 2000 years.

Data organization

Data for the detailed glacier inventory of the various islands making up Svalbard were compiled on the basis of topographical maps, aerial photographs, Landsat satellite images and radio-echo soundings. The work was carried out at the Norwegian Polar Institute where all the background information is available.

A standard data sheet has been completed for each glacier. These sheets are not included in this publication, but the information they contain is in the main data tables.

A table has been prepared for each region, summarizing the main data from each drainage basin. Details about the content are given in the explanations to the main tables. An alphabetical list gives all named glaciers and their reference numbers.

Additional tables provide information about surging glaciers, the largest ice caps and ice fields, and the largest outlet glaciers.

All the glaciers and their reference numbers are also shown on the maps, which are on a scale of 1:500,000. There is one map for each major drainage area.

An empirical formula based on the radio-echo soundings has been used to estimate the mean depths and volumes of most of the glaciers. The mean depth (D) of glaciers with area A was given by:

$D = 33 \cdot \ln A + 25$ for outlet glaciers where $A > 1$ km^2
$D = 28 \cdot \ln A + 10$ for ice caps
$D = 25$ where $A < 1$ km^2

Since many of the UHF radio-echo soundings on which this formula is based have underestimated the ice thicknesses, these formulae probably also underestimate the thicknesses slightly.

TABLE 1. Area of the largest ice caps and ice fields in Svalbard

SPITSBERGEN:		**EDGEØYA:**	
Olav V Land Icefield	4150 km²	Edgeøyjøkulen	1365 km²
Holtedalfonna	1375 "	Digerfonna	270 "
Åsgårdsfonna	1230 "	Storskavelen	190 "
Lomonosovfonna	600 "	Kvitisen/Langjøkulen	100 "
Isachsenfonna	505 "	Kvalpyntfonna	85 "
Balderfonna	345 "	Kvitkåpa	80 "
Fimbulisen	320 "		
Sørkappfonna	265 "	**BARENTSØYA:**	
Løvenskioldfonna	265 "	Barentsjøkulen	570 km²
Nordmannsfonna	250 "		
Filchnerfonna	203 "	**KVITØYA:**	
Ursafonna	125 "	Kvitøyjøkulen	705 km²
Hellefonna	122 "		
NORDAUSTLANDET:			
Austfonna m/Vegafonna	8450 km²		
Vestfonna	2455 "		
Glitnefonna	174 "		

TABLE 2. Area of the largest outlet glaciers and ice streams in Svalbard

Hinlopenbreen	1250 km²
Negribreen	1180 "
Bråsvellbreen	1110 "
Leighbreen	715 "
Stonebreen	710 "
Kronebreen	690 "
Etonbreen	665 "
Hochstätterbreen	580 "
Nathorstbreen	490 "
Monacobreen	410 "

TABLE 3. Specific mass balance in m/y water equivalent, annual equilibrium line (ELA) given in m and accumulation area ratio (AAR) in % for Austre Brøggerbreen (6.1 km²) and Midre Lovénbreen (5.5 km²) 1967-1991.

	AUSTRE BRØGGERBREEN					MIDRE LOVÉNBREEN				
Balance year	b_w	b_s	b_n	ELA	AAR	b_w	b_s	b_n	ELA	AAR
1966/67	0.77	1.42	-0.65	450	7					
1967/68	0.57	0.67	-0.10	250	65	0.48	0.51	-0.03	295	61
1968/69	0.40	1.33	-0.93	650	0	0.41	1.25	-0.84	650	0
1969/70	0.37	0.91	-0.54	490	7	0.36	0.89	-0.53	500	6
1970/71	0.65	1.23	-0.58	400	23	0.70	1.16	-0.46	385	37
1971/72	0.95	1.26	-0.31	360	32	0.98	1.20	-0.22	350	46
1972/73	0.74	0.82	-0.08	270	60	0.82	0.84	-0.02	310	58
1973/74	0.75	1.67	-0.92	550	2	0.70	1.59	-0.89	550	2
1974/75	0.78	1.09	-0.31	340	35	0.83	1.04	-0.21	340	48
1975/76	0.72	1.17	-0.45	410	20	0.75	1.10	-0.35	420	29
1976/77	0.76	0.87	-0.11	320	45	0.80	0.84	-0.04	300	60
1977/78	0.75	1.31	-0.56	410	20	0.81	1.29	-0.48	420	29
1978/79	0.77	1.48	-0.71	550	2	0.80	1.46	-0.66	480	9
1979/80	0.75	1.27	-0.52	430	17	0.83	1.26	-0.43	415	30
1980/81	0.46	1.01	-0.55	450	14	0.51	0.97	-0.46	435	23
1981/82	0.64	0.68	-0.04	280	56	0.66	0.64	0.02	290	62
1982/83	0.70	0.97	-0.27	345	34	0.75	0.92	-0.17	330	52
1983/84	0.69	1.42	-0.73	500	6	0.74	1.42	-0.68	440	21
1984/85	0.93	1.48	-0.55	450	14	0.98	1.46	-0.48	445	20
1985/86	0.98	1.30	-0.32	380	25	1.06	1.27	-0.21	370	42
1986/87	0.82	0.60	+0.22	200	83	0.82	0.58	+0.24	225	77
1987/88	0.61	1.13	-0.52	440	15	0.56	1.05	-0.49	425	27
1988/89	0.56	1.01	-0.45	420	18	0.63	0.87	-0.24	375	41
1989/90	0.75	1.41	-0.66	500	8	0.87	1.38	-0.51	450	19
1990/91	0.92	0.79	+0.13	275	58	0.98	0.88	+0.10	265	68
1967/91	0.72	1.14	-0.42	(413)	(18)	0.75	1.08	-0.33	(395)	(35)

TABLE 4 Registered surges in Svalbard (C: circa, B: between, p.o.: part of)

IDENTIFICATION No.		SURGE YEAR
111 01	PEDASJENKOBREEN	B.1925 -1935
111 02	GANSKIJBREEN	B.1925 -1935
111 03	SONKLARBREEN	C.1910
111 05	NEGRIBREEN	1935 - 36
112 01	HAYESBREEN	1901
112 04	USHERBREEN	1978-85
112 06	ULVEBREEN	B.1896-1900
113 07	ELFENBEINBREEN	1903
113 08	SKRUISBREEN	1920
113 09	SVEIGBREEN	1960
114 06	INGLEFIELDBREEN	1952
114 07	ARNESENBREEN	B.1925 -1935
114 12	THOMSONBREEN	B.1950 -1960
115 02	STRONGBREEN	B.1870 -1876
115 05	JEMELIANOVBREEN	1971
115 06	ANNA MARGRETHEBREEN	1970
115 08	ISKOLLBREEN p.o. Skimbreen	1970
115 09	DAVISBREEN	C.1960
121 02	MARKHAMBREEN	B.1930 -1936
121 03	STAUPBREEN	C.1960
121 04	HAMBERGBREEN	C.1890 and C.1960
122 02	VASILIEVBREEN(tributary)	C.1961
124 04	KÖRBERBREEN	1938
131 11	SCOTTBREEN	C.1880
131 16	RECHERCHEBREEN	1838 and 1945
132 01	HESSBREEN	1974
132 02	FINSTERWALDERBREEN	C.1900
132 07	SIEGERBREEN	1940
132 26	MARTINBREEN	B.1898 - 1936
132 27	CHARPENTIERBREEN	C.1890
134 10	BAKANINBREEN	1985 - 90
1 05	HYLLINGEBREEN	1970 - 80
135 12	SKUTBREEN	1930
135 13	U/STORKNAUSEN E	1960
135 14	U/SLOTTSMØYA SW	1960
136 13	MARTHABREEN	C.1925
136 15	LUNCKEBREEN	C.1930
136 18	AREBREEN	1985
137 08	FRIDTJOVBREEN	1861
142 11	SCOTT TURNERBREEN	C.1930
142 16	MØYSALBREEN p.o. Gløttfjellbreen	C.1925
142 17	DRØNBREEN	1900

143 12	VENDOMBREEN	C.1934
143 18	MARMORBREEN	1965-70
144 02	VON POSTBREEN	1870
144 02	BOGEBREEN p.o. Von Postbreen	1980
144 03	TUNABREEN	1930 and 1970
145 22	SKANSDALSBREEN p.o. Frostisen	C.1930
146 17	FYRISBREEN	1960
146 22	U/BRENNA NW	C.1937
147 16	SEFSTRÖMBREEN	1896
148 05	WAHLENBERGBREEN	1908
149 02	NANSENBREEN	1947
153 13	OSBORNEBREEN	1987
155 04	AU BRØGGERBREEN	C.1890
155 06	MIDRE LOVÉNBREEN	C.1890
155 10	KONGSVEGEN	1948
155 11	KRONEBREEN	1869
155 15	BLOMSTRANDBREEN	1960
164 11	ELNABREEN	C.1930
164 17	ABRAHAMSENBREEN	1978
164 26	U/SVELGFJELLET S	1969
169 10	LONGSTAFFBR. p.o. Åsgårdsfonna	1960
172 14	Unnamed p.o. Odinjøkulen	B.1965 - 1970
173 05	KOSTERBREEN	C.1930
173 10	HINLOPENBREEN	1969 - 72
174 02	N/Karpinskifjellet	B.1970 - 1980
174 06	HOCHSTETTERBREEN	B.1895 - 1900
211 08	p.o. AUSTFONNA	B.1850 - 1873
211 10	BRÅSVELLBREEN	1937 - 38
221 01	CLASEBREEN p.o. GLITNEFONNA	1938
221 02	PALANDERBREEN	1969 - 70
222 03	ETONBREEN	1938
222 06	BODLEYBREEN	1973 - 80
232 03	SØRE FRANKLINBREEN	1956
242 01	RIJPBREEN	1938 and 1992
311 01	KVITKÅPA SW	C.1965
312 27	KVITISEN E	1936
313 06	BERGFONNA SE	C.1930
313 12	MARSJØBREEN	B.1936 - 1971
313 18	STONEBREEN	B.1936 - 1971
313 19	KONG JOHANS BRE	B.1925 - 1930
313 22	PETTERSENBREEN	C.1925
321 01	FREEMANBREEN	1955 - 56
321 02	DUCKWITZBREEN	1918
322 07	REYMONDBREEN	1956
322 08	HÜBNERBREEN	B.1930 -1936

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Explanation to the main data tables

This Atlas has been compiled according to the instructions for the World Glacier Inventory, where each continent is given a number, Europe being no. 4. The continents are divided into regions denoted by letters, Svalbard being denoted by W. A country code letter is often put in front of the regional code; N is for Norway. Hence, Svalbard is referred to as N 4W.

The archipelago has been divided into five regions: 1. Spitsbergen, 2. Nordaustlandet, 3. Svalbard SE, 4. Svalbard E, and 5. Svalbard NE. The WGI system includes Jan Mayen with the Svalbard archipelago; we have therefore given this island the regional code number 0. Each region is divided into major drainage basins, which in turn are divided into secondary drainage basins. In the latter, each ice stream is given a number, usually in counter-clockwise sequence. For example, if a glacier is denoted by N4W142 04, N4W indicates that it is located in Svalbard, 1 that it is in region 1 - *Spitsbergen*, 4 that it is in major drainage basin 4 - *Isfjorden*, 2 that it is in secondary drainage basin 2 - *Adventdalen*, and 04 that it is glacier number 04. *Longyearbreen*.

The heading and content of the tables are explained as follows:

IDENT — The identification number for each ice stream. The first digit gives the region, the second the major drainage basin, the third the secondary drainage basin and the fourth and fifth give the ice streams.

GLACIER NAME — The name of the glacier unit, if it has one; long names are abbreviated, see the alphabetical list for unabbreviated names. When abbreviated compass directions are used (English), they denote the northern, southern, etc. parts of the glacier unit. These letters are placed after the name. Norwegian compass directions precede the name of the glacier unit and are part of it. A glacier name may cover more than one ice stream.

LAT/LONG — The geographical latitude and longitude coordinates indicate the location of the glacier unit. The coordinates refer to the equilibrium line altitude (ELA) on the glacier. The ELA has been determined to about ± 100 m.

ASPECT — Mean directions for the slope of the accumulation area (AC) and ablation area (AB) are given for each glacier unit.

CLASS — The classification system used by the World Glacier Inventory. The instructions recommend six digits, but two of these have been omitted in our inventory: 1. Longitudinal profile, interpreted as being even and regular for all Svalbard glaciers; 2. Major sources of nourishment; in Svalbard these are only snow and/or drifting snow. Our classification therefore consists of four digits, which conform with the following WGI explanation.

1st digit: TYPE OF GLACIER

0 Uncertain or difficult to classify.
1 Continental ice sheet. An ice mass covering areas of continental size.
2 Ice field. A more or less horizontal ice mass of sheet or blankettype whose thickness is insufficient to obscure the subsurface topography. Varies from features just larger than glacierets to those of continental size.
3 Ice cap. A dome-shaped ice mass having radial flow.
4 Outlet glacier. A glacier draining an ice field or ice cap, usually of valley-glacier type; the catchment area may not be clearly delineated.
5 Valley glacier. The catchment area is usually well defined and often originates in a cirque.
6 Mountain glacier. Any shape, sometimes similar to a valley glacier, but much smaller; frequently located in a cirque.
7 Glacieret and snow field. A small ice mass which only with some doubt can be classified as a glacier.
8 Ice shelf. A floating and calving glacier front. None are found in Svalbard.
9 Rock glacier. Rock glaciers are present in Svalbard, but are usually small and of the talus-terrace type. They are not included in this inventory. The location of rock glaciers is shown on the map published by Kristiansen & Sollid (1986).

2nd digit: GLACIER FORM

0 Uncertain or difficult to classify
1 Glacier with more than one composite firn area.
2 Glacier with a composite firn area.
3 Glacier with a single firn area.
4 Cirque glacier.
5 Niche. Small glacier formed in initially V-shaped gulley or depression on a mountain slope.
6 Crater. Glaciers occurring in and/or on volcanic craters.
7 Ice apron. An irregular, usually thin, ice mass plastered along a mountain slope.
8 Group. A number of similar ice masses occurring in close proximity and too small to be assessed individually.
9 Remnant. An inactive, usually small, ice mass left by a receding glacier.

3rd digit: FRONTAL CHARACTERISTIC

0 Normal glacier front terminating on land.
1 Piedmont. An ice field formed on a lowland by the lateral expansion of one glacier or the coalescence of several glaciers.
2 Expanded foot. A lobe or fan of ice formed where the lower portion of the glacier leaves the confining wall of a valley and extends on to a less restricted and more level surface. Lateral expansion is markedly less than for a piedmont.
3 Lobed. A tongue-like form of an ice field or ice cap.

4 Calving. A glacier front ending in the sea, but grounded. Icebergs are produced.
5 Confluent. Glaciers whose tongues come together and flow parallel to each other without coalescing.

4th digit: **ACTIVITY OF TONGUE**.

Generally, the period between 1936/38 and 1980 is used when evaluating the front variations.

0 Uncertain
1 Marked retreat
2 Slight retreat
3 Stationary
4 Slight advance
5 Marked advance
6 Possible surge
7 Known surge
8 Oscillating

MOR **MORAINES**. Two digits to be given

1st digit: **MORAINES IN CONTACT WITH PRESENT-DAY GLACIER**
2nd digit: **MORAINES FARTHER DOWNSTREAM**

0 Moraines
1 Terminal moraine
2 Lateral and/or medial moraine
3 Push moraine
4 Combination of 1 and 2
5 Combination of 1 and 3
6 Combination of 2 and 3
7 Combination 1, 2 and 3
8 Debris, uncertain if morainic
9 Moraines, type uncertain or not listed.

PHOTO **T** Type of photo coverage of the largest fraction of the surface area.

E: Vertical aerial photographs Mp < 25 000 analysed stereoscopically
F: Vertical aerial photographs Mp > 25 000 analysed stereoscopically
I: Vertical aerial photographs Mp < 25 000 not analysed stereoscopically
J: Vertical aerial photographs Mp > 25 000 not analysed stereoscopically
N: Specified resolution significantly better than 79 x 79 m (e.g. LANDSAT 3)

(Mp = photoscale denominator)
YR: Year of photo coverage of the largest fraction of the surface area.

AREA The glacier surface area is given in km^2, based on measurments made on topographical maps. Consequently, it is the horizontal projection of the

glacier surface. The area was found by planimetry on maps on a scale of 1:100,000. The accuracy should therefore be good. An accuracy rating (A) has been estimated and the numbers indicate the following accuracy:

1. 0 - 5 %
2. 5 - 10 %
3. 10 - 15 %

LENGTH This is the length in km along a centre line of the glacier. It is measured on topographical maps and expresses the horizontal component of this line.

YR is the year when area and length measurements were made, i.e. the year when the glacier extensions were updated on the maps.

ELEVATIONS

MASL Elevations in metres above sea level taken from topographical maps.

MAX Altitude of the highest point of the glacier.

MED Altitude of the contour line which divides the glacier surface in half.

MIN Altitude of the lowest point of the glacier.

EQL Altitude of the equilibrium line. The system is shown by an example: EQL = 500 m.

500 Highest point of lateral moraine.

X500 Estimated by other means than lateral moraines.

Y500 Highest point of the lateral moraine, but the equilibrium line is higher.

A Accuracy. This is a subjective evaluation of the accuracy of the elevation information given above. The following figures indicate the accuracy:

1. Uncertainty	0 - 25 m
2.	25 - 50 m
3.	50 -100 m
4.	100 -200 m
5.	> 200 m

EST VOL Estimated volume in km^3 calculated from the volume formula given in the paragraph entitled Data Organization.

NOTE The first three letters indicate ice caps and ice fields which constitute the main portion of the accumulation area. The explanations are as follows:

Spitsbergen:

BAF: Balderfonna
FIF: Filchnerfonna
FII: Fimbulisen
HEF: Hellefonna
HOF: Holtedalfonna
ISF: Isachsenfonna
LOF: Lomonosovfonna
LØF: Løvenskioldfonna
NOF: Nordmannsfonna
OIF: Olav V Land Ice field

SKF: Sørkappfonna
URF: Ursafonna
ÅSF: Åsgårdsfonna

Nordaustlandet:

AUF: Austfonna
GLF: Glitnefonna
VEF: Vestfonna
VGF: Vegafonna

Edgeøya:

BEF: Bergfonna
BLI: Blåisen, mainly because of using old topographical maps.
DGF: Digerfonna
EØJ: Edgeøyjøkulen
KVF: Kvalpyntfonna
KVK: Kvitkåpa
KVL: Kvitisen/Langjøkulen
STS: Storskavelen

Barentsøya:

BAJ: Barentsjøkulen

Jan Mayen:

KMB: Kronprinsesse Märthas Bre
KOB: Kronprins Olavs Bre

Explanation of the last terms under **NOTE:**

M: Measured glacier. Some kind of field investigation has been carried out (mass balance, ice flow, front survey, etc.).
S: Surge. Surges have been recorded or there is evidence for them according to Table 4.
2, 3, 4 or **5** indicate the number of drainage basins feeding the glacier stream. No number means 1 drainage basin.
+ after estimated volume means that radio-echo soundings have been carried out on the glacier
★ means that the information is based on poor data

Main tables

N 4W1 SPITSBERGEN 1 SPITSBERGEN SE

1 OLAV V LAND S

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
111 01	PEDASJENKOBREEN	78 430	21 050	SE	S	4322	72	F	69	39.00	1	8.7	80	600	320	0	300	2	5.70	OIF S
111 02	GANSKIJBREEN	78 440	20 400	SW	S	4322	77	F	69	21.40	1	10.0	80	580	310	30	320	2	2.70	OIF S
111 03	SONKLARBREEN	78 450	20 120	SE	SE	4341	22	F	69	272.00	1	17.0	80	530	340	0	280	2	57.00	OIF S
111 04	HELGE BACKLUNDBR	78 390	19 560	SE	SE	4341	27	F	69	27.10	1	9.0	80	400	270	0	250	2	0.16	OIF
111 05	NEGRIBREEN	78 400	18 400	S	SE	4141	22	F	69	1180.00	1	41.0	80	1200	420	0	360	2	250.00	OIF MS+
111 06	PETERMANNBREEN	78 380	18 400	E	E	4344	22	F	69	1.80	1	21.0	80	900	450	0	360	2	0.08	OIF M
111 07		78 380	18 540							1.75	2								0.08	
111 08		78 365	18 550							2.85	2								0.17	
111 09		78 355	18 570							1.40	2								0.05	

6 glaciers < 1 km^2 A= 1.6 km^2

2 SABINE LAND E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
112 01	HAYESBREEN	78 230	18 330	SE	SE	4141	22	F	69	195.00	1	24.8	80	850	350	0	350	2	39.00	S
112 02		78 192	18 400							3.65	1								0.25	NOF
112 03		78 186	18 430							2.50	1								0.14	NOF
112 04	USHERBREEN	78 160	18 400	SE	E	4307	27	F	69	69.00	1	12.6	80	560	340	20	280	1	11.00	NOF S
112 05		78 143	18 575							2.25	1								0.12	
112 06	ULVEBREEN	78 127	18 360	SE	SE	4341	22	F	69	88.00	1	15.5	80	700	350	0	290	1	15.00	NOF S
112 07		78 059	18 525							3.20	1								0.20	
112 08		78 051	18 545							1.25	1								0.04	

3 glaciers < 1 km^2 A= 0.75 km^2

N 4W1 SPITSBERGEN 1 SPITSBERGEN SE

3 AGARDHDALEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
113 01		78 041	18 485							1.35	1								0.05	
113 02	DAUDBREEN	78 051	18 470	W	W	5302	27	F	70	4.50	1	3.6	70	560	360	100	230	1	0.34	M
113 03	ISROSA S	78 100	18 300	SE	S	0332	27	F	70	20.20	1	8.0	70	670	370	180	300	2	2.50	NOF *3
113 04		78 089	18 245							1.95	1								0.09	
113 05		78 084	18 215							3.55	1								0.24	
113 06		78 084	18 160							1.85	1								0.08	
113 07	ELFENBEINBREEN	78 105	18 120	S	S	4303	77	F	70	48.80	1	15.0	80	700	420	50	380	1	7.50	NOF S
113 08	SKRUISBREEN	78 093	17 410	E	E	4341	22	F	70	24.10	1	8.6	80	750	500	150	330	1	3.10	HEF S
113 09	SVEIGBREEN	78 068	17 470	E	E	4303	20	F	71	44.20	1	12.3	80	750	450	80	390	1	6.60	HEF S
113 10		78 040	17 525							1.05	1								0.03	
113 11		78 041	17 590							3.50	1								0.23	
113 12	PASSBREEN	78 013	17 585	N	NE	5302	27	F	70	14.90	1	7.5	70	550	330	110	300	1	1.70	
113 13	BJARMEBREEN	78 008	18 040	NE	N	5202	27	F	70	10.60	1	5.7	70	570	330	60	250	1	1.10	
113 14	RURIKBREEN	78 003	18 130							2.25	1								0.12	
113 15	BALTBREEN	77 595	18 175							3.45	1								0.23	

19 glaciers < 1 km^2 A= 5.55 km^2

4 HEER LAND E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
114 01		77 576	18 200							2.00	2								0.10	
114 02	ÅBREEN	77 586	18 100	SE	SE	5302	70	J	69	9.40	1	4.0	69	550	350	150	300	2	0.93	
114 03	ANDRINEBREEN	77 575	18 000	S	SE	5252	72	F	70	33.80	1	9.1	70	600	420	100	310	2	4.80	
114 04	SØRBULLBREEN	77 559	17 490							4.80	1								0.37	
114 05	NORDSYSSELBREEN	77 522	17 500	NE	NE	5153	22	F	70	66.70	1	19.4	70	700	330	100	270	2	11.00	

N 4W1 SPITSBERGEN 1 SPITSBERGEN SE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
114 06	INGLEFIELDBREEN	77 510	17 590	NE	NE	5241	27	J	70	84.00	1	21.5	80	650	300	0	240	2	14.00	S
114 07	ARNESENBREEN	77 496	18 100	NE	NE	5242	27	F	69	30.00	1	14.0	80	550	250	0	230	2	4.10	S
114 08	BERESNIKOVBREEN	77 484	18 160	N	NE	5241	22	F	69	31.40	1	8.9	80	550	220	0	200	2	4.40	
114 09	BRATTHENGBREEN	77 456	18 210							3.05	2								0.19	
114 10		77 442	18 210							1.30	2								0.04	
114 11	RICHARDSBREEN	77 442	18 040	E	SE	5141	22	F	69	70.60	1	13.0	80	600	280	0	270	2	12.00	
114 12	THOMSONBREEN	77 390	18 090	E	E	5141	20	F	69	61.00	1	11.0	80	500	270	0	260	2	9.80	S
114 13		77 335	18 115							1.50	2								0.06	

21 glaciers < 1 km^2 A= 6.85 km^2

5 HEER LAND S

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
115 01	KVALBREEN	77 350	17 590	SW	SW	5141	22	J	70	82.00	1	16.2	80	800	230	0	240	2	14.00	
115 02	STRONGBREEN	77 360	17 290	SE	SE	5141	22	J	70	243.00	1	25.3	80	750	300	0	280	2	50.00	S
115 03	PERSEIBREEN	77 280	17 260	NE	NE	5141	22	J	61	59.00	1	11.5	80	650	320	0	290	2	9.40	
115 04		77 257	17 275							1.95	2								0.09	
115 05	JEMELIANOVBREEN	77 230	17 130	NE	E	5147	22	J	71	95.00	1	16.9	80	650	250	0	240	2	17.00	S
115 06	ANNA MARGRETHEBR	77 206	17 190	E	E	5147	20	J	71	18.40	1	8.0	80	550	300	0	240	2	2.20	S
115 07	BELLINGBREEN	77 186	17 170	E	E	5252	22	J	71	10.40	1	6.4	80	650	250	0	250	2	1.10	
115 08	SKIMEBREEN	77 170	17 130	SE	E	5241	20	J	71	21.30	1	8.7	80	650	240	0	250	2	2.70	S
115 09	DAVISBREEN	77 150	17 160	E	E	5241	20	J	71	56.60	1	13.2	80	650	260	0	260	2	8.90	S

11 glaciers < 1 km^2 A= 2.00 km^2

N 4W1 SPITSBERGEN 1 SPITSBERGEN SE

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
111	OLAV V LAND S	1892	15	1525	80.6	401	343	314
112	SABINE LAND E	565	11	366	64.7	349	321	66
113	AGARDHDALEN	475	34	192	40.4	420	346	24
114	HEER LAND E	580	34	406	70.1	299	257	62
115	HEER LAND S	807	20	590	73.1	278	264	105
11	SPITSBERGEN SE	4319	114	3079	71.3	359	314	571

N 4W1 SPITSBERGEN 2 SPITSBERGEN S

1 TORELL LAND SE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
121 01	CROLLBREEN	77 124	17 140	E	E	5241	22	F	70	25.70	1	8.5	80	600	300	0	220	2	3.40	
121 02	MARKHAMBREEN	77 087	17 100	E	E	4141	22	F	70	60.60	1	10.7	80	650	270	0	210	2	9.70	S
121 03	STAUPBREEN	77 050	17 140	E	E	4342	20	F	70	12.40	1	6.0	80	400	260	0	200	2	1.30	S
121 04	HAMBERGBREEN	77 040	16 570	NW	E	4141	22	F	70	144.00	1	16.2	80	600	220	0	210	2	27.00	MS
121 05	KAMBREEN	77 000	17 100							1.40	2								0.05	
121 06	BARBARABREEN	76 572	17 135							1.35	2								0.05	

3 glaciers < 1 km^2 A= 2.30 km^2

N 4W1 SPITSBERGEN 2 SPITSBERGEN S

2 SØRKAPP LAND E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
122 01	TROMSØBREEN	76 550	17 055	E	S	4202	22	F	71	15.10	1	8.5	71	500	200	0	150	2	1.70	
122 02	VASILIEVBREEN	76 480	16 460	E	E	4141	27	F	71	211.00	1	13.5	80	750	210	0	160	2	43.00	SKF S
122 03	RANDBREEN	76 433	17 040	NE	NE	4302	20	F	61	9.60	1	4.7	61	450	180	30	Y150	2	0.96	
122 04	SVARTKUVBREEN	76 407	16 570							4.70	2								0.36	
122 05	KEILHAUBREEN	76 391	16 570	E	SE	4321	22	F	61	15.40	1	5.2	61	550	250	30	130	2	1.80	SKF
122 06	MATHIASBREEN	76 374	16 580	SE	SE	4301	27	F	61	12.80	1	5.0	61	450	300	40	200	2	1.40	SKF

6 glaciers < 1 km^2 A= 2.45 km^2

3 SØRKAPP LAND W

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
123 01	LYNGEBREEN	76 374	16 415	N	W	5301	27	F	61	5.00	1	4.1	61	650	400	130	300	2	0.39	
123 02	BJELOPOLSKIBREEN	76 400	16 380	W	W	4353	70	F	61	26.40	1	6.7	61	650	200	30	180	2	3.50	SKF
123 03	OLSOKBREEN	76 450	16 300	S	SW	4141	27	F	61	136.00	1	20.5	80	650	250	0	220	2	25.00	M
123 04	VITKOVSKIBREEN	76 457	16 160	S	SW	5301	27	F	61	20.80	1	9.0	80	650	360	150	320	2	2.60	
123 05	BUNGEBREEN	76 500	16 060	S	S	5201	27	F	61	54.50	1	12.0	80	900	320	40	340	2	8.60	
123 06	WIEDERBREEN	76 500	15 595							2.00	2								0.10	
123 07	GRÅKALLBREEN	76 521	15 575							1.05	2								0.03	

5 glaciers < 1 km^2 A= 2.40 km^2

N 4W1 SPITSBERGEN 2 SPITSBERGEN S

4 HORNSUND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
124 01	GOÉSBREEN	76 535	15 575							2.35	1								0.12	
124 02	GÅSBREEN	76 543	15 590	W	W	5222	27	F	61	14.30	1	7.3	80	1100	350	110	330	2	1.60	M
124 03		76 565	16 000							1.45	2								0.05	
124 04	KÖRBERBREEN	76 570	16 040	N	N	5242	22	F	61	11.40	1	5.2	80	750	270	0	230	2	1.20	MS
124 05	PETERSBREEN	76 575	16 085							2.20	1								0.11	
124 06	EGGBREEN	76 559	16 115							2.50	1								0.14	
124 07	SAMARINBREEN	76 520	16 210	NW	NW	5241	22	F	61	81.00	1	11.2	80	1150	300	0	260	2	14.00	M
124 08	CHOMJAKOVBREEN	76 570	16 250	N	NW	5341	22	F	61	15.10	1	7.5	80	550	300	0	220	2	1.70	
124 09	MENDELEJEVBREEN	76 545	16 350	NE	N	5141	22	F	61	45.00	1	10.8	80	500	250	0	240	2	6.80	
124 10	SVALISBREEN	76 580	16 490	N	W	5241	20	F	61	44.00	1	11.1	80	500	260	0	260	2	6.60	
124 11	HORNBREEN	77 050	16 470	S	SW	4141	20	F	70	179.00	1	28.5	80	650	290	0	260	2	35.00	M
124 12	STORBREEN	77 100	16 200	S	S	5141	22	F	61	238.00	1	26.8	80	750	280	0	320	2	49.00	M
124 13	HYRNEBREEN	77 026	16 130	E	SE	5141	22	F	70	6.00	1	3.4	80	550	200	0	200	2	0.50	
124 14	LORCHBREEN	77 023	16 060							1.35	2								0.05	
124 15	WIBEBREEN	77 041	16 075	N	W	5342	22	F	61	5.40	1	4.2	80	550	340	0	220	2	0.44	
124 16	KVALFANGARBREEN	77 057	16 060	SW	SW	5241	22	F	61	14.00	1	5.0	80	500	300	0	240	2	1.60	
124 17	MÜHLBACHERBREEN	77 070	15 560	S	S	5242	22	F	61	56.60	1	16.7	80	700	420	0	250	2	8.90	
124 18	PAIERLBREEN	77 070	15 470	SE	SE	5141	22	F	61	112.00	1	24.9	70	800	400	0	250	2	20.00	M
124 19	SOFIEBREEN	77 023	15 470							1.75	2								0.08	
124 20	HANSBREEN	77 040	15 380	SE	S	5142	22	F	60	64.00	1	15.6	80	550	350	0	290	2	9.60	M+

23 glaciers $< 1\ km^2$ A= 6.95 km^2

N 4W1 SPITSBERGEN 2 SPITSBERGEN S

5 WEDEL JARLSBERG LAND SW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
125 01	WERENSKIOLDBREEN	77 045	15 220	W	W	5201	27	F	61	27.40	1	9.5	80	650	400	60	330	2	3.80	M+
125 02	NANNBREEN	77 082	15 190	N	W	5252	27	F	60	10.00	1	6.5	80	650	400	100	310	2	1.00	
125 03	AU TORELLBREEN	77 010	15 150	SW	SW	4242	22	F	60	150.00	1	23.0	80	850	430	0	290	2	29.00	M
125 04	RAUDFJELLBREEN	77 128	15 060							3.35	2								0.22	
125 05	VE TORELLBREEN	77 170	14 500	W	SW	4141	27	F	61	338.00	1	33.5	80	800	360	0	320	2	98.00	4M+

15 glaciers < 1 km^2 A= 6.85 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
121	TORELL LAND SE	312	9	248	79.4	244	211	42
122	SØRKAPP LAND E	378	12	271	71.7	216	159	49
123	SØRKAPP LAND W	486	12	248	51.1	274	253	41
124	HORNSUND	1232	43	904	73.4	312	274	158
125	WEDEL JARLSBERG LAND SW	834	20	536	64.2	383	312	132
12	SPITSBERGEN S	3242	96	2207	68.1	306	260	422

N 4W1 SPITSBERGEN 3 BELLSUND

1 WEDEL JARLSBERG LAND NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
131 01		77 224	14 235							1.00	2								0.02	
131 02	SAKSBREEN	77 218	14 275							1.10	2								0.03	2
131 03	LIBREEN	77 208	14 380							1.20	2								0.04	
131 04	DUNDERDALSBREEN	77 223	14 410							3.05	2								0.19	
131 05	DÖLTERBREEN	77 276	14 210							1.60	2								0.07	
131 06	VE LOGNEDALSBRE	77 291	14 170							1.00	2								0.02	
131 07	AU LOGNEDALSBRE	77 291	14 095							1.50	2								0.06	
131 08	RINGARBREANE	77 314	14 100							4.00	2								0.28	3
131 09	TJØRNDALSBREEN	77 322	14 140							1.25	2								0.04	
131 10	BLOMLIBREEN	77 328	14 170							2.65	2								0.15	
131 11	SCOTTBREEN	77 330	14 220	N	NE	5302	27	F	60	6.10	1	4.4	80	700	350	90	230	2	0.52	MS
131 12	RENARDBREEN	77 308	14 230	NE	NE	5242	27	F	60	33.70	1	11.2	80	700	350	0	230	2	4.80	
131 13	CRAMMERBREANE N	77 287	14 265							4.60	2								0.35	
131 14	CRAMMERBREANE S	77 270	14 270	N	E	5152	27	F	60	7.10	1	4.2	60	650	300	50	230	2	0.64	
131 15	BØCKMANBREEN	77 275	14 385							1.15	2								0.03	
131 16	RECHERCHEBREEN	77 240	14 540	NW	NW	5241	22	F	60	146.00	1	25.0	80	800	460	0	370	2	37.00	MS+
131 17	ANTONIABREEN	77 290	14 180	NW	N	5302	27	F	60	29.30	1	11.7	80	800	480	100	400	2	6.20	M+
131 18	BLUMCKEBREANE	77 317	15 025							3.20	2								0.20	

20 glaciers < 1 km^2 A= 6.75 km^2

2 VAN KEULENFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
132 01	HESSBREEN	77 305	15 065	NE	NE	5307	70	F	70	6.20	1	5.5	74	950	400	80	330	2	0.34	MS+
132 02	FINSTERWALDERBR.	77 290	15 150	N	NE	5101	27	F	70	44.50	1	11.0	80	900	490	100	420	2	4.50	MS+
132 03		77 281	15 270							1.00	2								0.02	

N 4W1 SPITSBERGEN 3 BELLSUND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
132 04	MÄRJELBREEN	77 268	15 270	E	NE	5102	22	F	70	7.50	1	4.5	70	750	500	170	440	2	0.68	M
132 05	PENCKBREEN	77 270	15 370	N	N	5101	27	F	60	118.00	1	20.5	80	900	480	100	390	2	22.00	M+
132 06	HASSINGERBREEN	77 271	15 470							2.25	2								0.12	
132 07	SIEGERBREEN	77 270	15 525	N	N	5303	20	F	60	1.75	1	2.9	60	600	470	150	410	2	0.08	S
132 08	SOTRYGGFONNA	77 268	15 550							1.50	2								0.06	
132 09	TVILLINGBREANE	77 260	15 170	NE	NE	5102	27	F	60	5.40	2	3.2	60	750	450	200	330	2	0.44	2
132 10		77 252	16 015							1.15	2								0.03	
132 11	AURKOLLFONNA	77 241	16 000							4.55	2								0.34	
132 12	LANGRYGGBREEN	77 232	15 583	E	NE	5250	44	F	60	9.30	1	6.5	80	800	360	190	350	2	0.92	
132 13	ZAWADSKIBREEN	77 205	15 543	NE	N	5241	22	F	60	110.80	1	23.0	80	800	390	0	350	2	20.08	
132 14	NATHORSTBREEN	77 180	16 260	NW	N	5141	22	F	61	368.90	1	31.0	80	900	430	0	350	2	82.00	M
132 15		77 219	16 340							1.30	2								0.04	
132 16		77 248	16 265							1.35	2								0.05	
132 17	LIESTØLBREEN	77 260	16 400	W	W	5141	22	F	61	160.00	1	26.5	80	750	400	0	310	2	31.00	M
132 18	DOKTORBREEN	77 320	16 400	SW	SW	5153	20	F	61	292.00	1	30.3	80	1000	480	0	430	2	62.00	M
132 19		77 311	16 183							3.60	2								0.24	
132 20	STORVOLBREEN	77 320	16 140							3.20	2								0.20	
132 21	STEENSTRUPBREEN	77 361	16 170	W	SW	5102	27	F	61	32.00	1	9.2	80	1000	480	200	480	2	4.40	
132 22	SYSSELMANNBREEN	77 376	16 040	SW	S	5102	27	F	61	32.80	1	11.0	80	1050	540	150	470	2	4.60	
132 23	RINGBREEN	77 355	15 540	SW	SE	5251	22	F	61	9.60	1	4.9	80	850	490	260	450	2	0.96	
132 24	REIDBREEN	77 372	15 485	W	W	5252	27	F	60	7.50	1	4.0	80	850	450	220	390	2	0.68	
132 25	MJELLFONNA	77 384	15 460							2.10	2								0.10	
132 26	MARTINBREEN	77 384	15 400	S	S	5252	27	F	60	7.20	1	5.0	80	650	460	230	430	2	0.65	S
132 27	CHARPENTIERBREEN	77 372	15 350							4.30	2								0.31	S
132 28	VENETZBREEN	77 362	15 350							3.40	2								0.22	
132 29		77 361	15 300							1.00	2								0.02	
132 30	RICHTERBREEN	77 387	15 300	W	W	5202	27	F	60	10.60	1	5.5	80	900	500	220	370	2	1.10	

N 4W1 SPITSBERGEN 3 BELLSUND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
132 31	INSTEBREEN	77 400	15 200	W	SW	5302	27	F	60	6.10	1	6.0	80	750	420	200	350	2	0.52	
132 32	BERRKLETTBREEN	77 386	15 095							2.50	2								0.14	
132 33	MIDTERHUKBREEN	77 392	14 540							1.15	2								0.03	

28 glaciers < 1 km^2 A= 8.70 km^2

3 NATHORST LAND N

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
133 01	KOLKBREEN	77 404	15 100							2.00	2								0.10	
133 02	NIPILBREEN	77 410	15 180							1.10	2								0.03	
133 03	SYNSHOVDBREEN	77 410	15 250							3.95	2								0.28	
133 04	FRYSJABREEN	77 405	15 350	N	NW	5302	27	F	60	14.90	1	6.5	80	750	450	130	380	2	1.70	
133 05	LEINEGGBREEN	77 431	15 365							1.60	2								0.07	
133 06	KRYLBREEN	77 427	15 400	N	N	5202	27	F	60	5.60	1	4.7	60	850	470	240	430	2	0.46	
133 07	SKARVISEN	77 411	15 420							2.65	2								0.15	
133 08	GREENBREEN	77 400	15 460	N	NE	5352	27	F	60	8.20	1	5.4	80	950	420	250	400	2	0.77	
133 09	HØEG-OMDALBREEN	77 400	15 520	NW	NW	5352	27	F	61	14.00	1	7.0	80	900	490	250	450	2	1.60	
133 10	KVITSKARVBREEN	77 400	16 120	W	NW	5103	77	F	61	34.00	1	8.5	60	1100	580	200	530	2	4.80	
133 11	LØYNDBREEN	77 427	16 060							4.60	2								0.35	
133 12	LANGLIBREEN	77 438	16 125							4.70	2								0.36	
133 13	RÅNEBREEN	77 451	16 185							2.20	2								0.11	
133 14	VENGEBREEN	77 444	16 200							3.80	2								0.26	
133 15	SNØKUVBREEN	77 425	16 210	N	NE	5152	27	F	71	12.80	1	6.5	71	1000	590	100	470	2	1.40	
133 16	SVALBREEN	77 400	16 350	N	N	5152	27	F	71	65.70	1	13.0	80	1100	540	140	470	2	11.00	
133 17	BESSEMERBREEN	77 468	16 400							1.15	2								0.03	

26 glaciers < 1 km^2 A= 12.15 km^2

N 4W1 SPITSBERGEN 3 BELLSUND

4 RINDERSBUKTA

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
134 01	ELEKTROBREEN	77 466	16 435							1.40	2								0.05	
134 02	NOBELBREEN	77 444	16 420	NW	NE	5252	27	F	61	10.20	1	5.8	61	1050	600	300	550	2	1.00	
134 03	HETTEBREEN	77 447	16 475	N	N					2.60	2								0.15	
134 04	HØGBREEN	77 451	16 505	N	N					3.00	2								0.18	
134 05		77 447	16 580							1.15	2								0.03	
134 06	SCHEELEBREEN	77 420	16 570	N	N	5141	22	F	70	58.40	1	13.5	80	1050	510	0	350	2	9.30	
134 07	PEISBREEN	77 441	17 087	N	N					4.80	2								0.37	
134 08	SKOBREEN	77 423	17 132	NE	NE	5200	40	F	70	18.20	1	8.0	80	800	390	225	290	2	2.20	
134 09	PAULABREEN	77 417	17 238	NW	NW	5241	22	F	70	64.60	1	16.0	80	750	400	0	330	2	10.50	
134 10	BAKANINBREEN	77 466	17 351	SW	NW	5241	22	F	70	60.80	1	16.0	80	750	400	0	330	2	9.76	MS
134 11	RAGNA-MARIEBREEN	77 480	17 236	SW	SW	5200	40	F	70	13.10	1	8.0	80	700	400	160	350	2	1.44	
134 12	METTEBREEN	77 490	17 150	SW	SW	5103	70	F	70	9.60	1	6.9	71	850	420	80	370	2	0.96	
134 13	VALLÅKRABREEN	77 520	17 085	SW	SW	5102	27	F	70	28.00	1	11.0	80	800	450	100	380	2	3.80	
134 14	BJARTFONNA S	77 509	16 575							2.95	2								0.18	

13 glaciers < 1 km^2 A= 5.70 km^2

5 KJELLSTRØMDALEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
135 01	STABBARPBREEN	77 516	16 565							2.85	2								0.17	
135 02	BOSARPBREEN	77 533	17 035							4.25	2								0.31	
135 03	BILLESHOLMBREEN	77 541	17 090							1.35	2								0.05	
135 04	BJUVBREEN	77 545	17 125							1.60	2								0.07	M
135 05	HYLLINGEBREEN	77 547	17 180	NW	NW	5207	27	F	70	5.00	1	4.5	77	850	450	100	420	2	0.39	MS
135 06	KROPPBREEN	77 542	17 255	NE	NE	5202	27	J	70	17.60	1	10.3	70	750	400	90	360	2	2.10	

N 4W1 SPITSBERGEN 3 BELLSUND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
135 07	EDVARDBREEN	77 527	17 340	NE	N	5102	27	F	61	68.30	1	18.0	80	800	360	40	350	2	11.00	
135 08	BRORBREEN	77 596	17 500	W	W	5102	27	F	70	6.20	1	4.0	70	600	400	180	390	2	0.53	
135 09	VRÅBREEN	78 039	17 042							4.60	1								0.35	
135 10		78 030	17 415							1.30	1								0.04	
135 11		78 026	17 400							1.20	1								0.04	
135 12	SKUTBREEN	78 030	17 335	SW	SW	5103	70	F	70	9.70	1	5.5	70	750	450	150	400	2	0.97	S
135 13	U/STORKNAUSEN E	78 013	17 255							1.00	1								0.02	S
135 14	U/SLOTTSMØYA SW	78 024	17 215							3.65	2								0.25	S
135 15	SÅTEBREEN	78 036	17 280	W	W	5102	27	I	77	9.60	1	5.8	77	800	470	180	450	2	0.96	
135 16	OPPDALSBREEN	78 054	17 280	W	SW	5152	27	I	77	6.10	1	4.9	77	750	530	240	490	2	0.52	
135 17	INNERBREEN	78 066	17 250	SW	SW	5153	22	I	77	6.20	1	4.0	77	850	580	330	520	2	0.53	
135 18		78 060	17 180							1.75	2								0.08	
135 19		78 052	17 170							1.75	2								0.08	
135 20		78 050	17 115							2.50	2								0.14	
135 21	SLOTTSBREEN	78 059	17 105	W	W	5322	27	I	77	5.00	1	4.7	77	850	550	250	550	2	0.39	
135 22	HETTEBREEN	78 069	17 091							2.55	2								0.14	
135 23	TRONISEN	78 069	17 010	NE	E	5352	27	I	77	5.10	1	4.0	77	1000	600	400	570	2	0.40	2
135 24	BERGMESTERBREEN	78 051	16 540	SE	SE	5101	27	I	77	8.80	1	5.2	77	900	570	260	470	2	0.85	
135 25		78 027	17 085							1.00	2								0.02	
135 26	GLITREBREEN	78 017	17 085							2.70	2								0.16	
135 27	KJEGLEBREEN	78 000	17 105							3.80	2								0.26	
135 28	TINKARPBREEN	77 590	17 126							2.10	2								0.10	
135 29	PÅLSJØBREEN	77 595	17 025	S	S	5102	27	I	61	11.10	1	6.5	77	950	550	100	500	2	1.20	
135 30	HELSINGBORGBREEN	77 574	16 505	SE	SE	5102	27	I	77	10.00	1	8.0	77	900	480	130	480	2	1.00	
135 31	HÖGANÄSBREEN	77 567	16 420	E	SE	4102	27	I	77	13.40	1	6.5	77	900	550	110	480	2	1.50	
135 32	VARPBREEN	77 555	16 375							1.75	2								0.08	
135 33	URDKOLLBREEN	77 539	16 150							3.30	2								0.21	
135 34	KROKRYGGBREEN	77 531	16 125							1.35	2								0.05	
135 35		77 526	16 085							1.35	2								0.05	

33 glaciers < 1 km^2 A= 12.5 km^2

N 4W1 SPITSBERGEN 3 BELLSUND

6 REINDALEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
136 01		77 522	15 525							3.45	2								0.23	
136 02	GREINBREANE W	77 533	15 570							3.00	2								0.18	
136 03	GREINBREANE C	77 542	16 005							3.50	2								0.23	
136 04	GREINBREANE E	77 539	16 050	N	NW	5152	27	J	61	5.10	1	3.5	61	1000	500	260	550	2	0.40	
136 05	SAMUELSSONBREEN	77 551	16 105							2.40	2								0.13	
136 06	CÖSTERBREEN	77 560	16 140							2.50	2								0.14	
136 07	LIVBREEN	77 558	16 210	N	NW	5252	27	I	77	6.00	1	3.3	77	1000	750	370	650	2	0.50	
136 08	ANKERBREEN	77 524	16 300	NW	W	5253	77	I	77	7.70	1	6.5	77	1200	650	250	640	2	0.71	
136 09	SLAKBREEN	77 588	16 320	NW	W	4202	27	I	77	41.50	1	13.5	77	1050	620	180	530	2	6.10	M
136 10		78 005	16 290							1.90	2								0.09	
136 11		78 011	16 325							1.10	2								0.03	
136 12		78 007	16 370							3.70	2								0.25	
136 13	MARTHABREEN	78 006	16 430	NE	NE	5353	77	I	77	18.30	1	7.8	77	1050	600	240	500	2	2.20	MS
136 14		78 017	16 450							1.05	2								0.03	
136 15	LUNCKEBREEN	78 017	16 485							2.40	2								0.13	S
136 16	VEGBREEN	78 016	17 000	N	N	5202	27	I	77	16.20	1	6.0	77	900	600	260	500	2	1.90	
136 17		78 047	16 470							1.15	2								0.03	
136 18	AREBREEN	78 048	16 380	S	S	5407	04	I	77	1.75	2	2.0	77	800	550	300	500	2	0.08	MS
136 19	KOKBREEN	78 050	16 230	S	S	5101	27	I	77	24.00	1	8.0	77	850	600	250	510	2	3.10	
136 20		78 032	16 150							1.10	2								0.03	
136 21		78 035	16 100							1.15	2								0.03	
136 22	PLOGBREEN	78 049	16 130	W	W	5102	27	J	61	8.40	1	3.8	77	950	650	350	590	2	0.80	
136 23		78 058	16 190							1.00	2								0.02	
136 24	AYERBREEN	78 050	16 085							4.50	2								0.34	
136 25	GIBSONBREEN	78 038	16 000	E	E					3.25	2								0.20	

N 4W1 SPITSBERGEN 3 BELLSUND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
136 26	TILLBERGFONNA	78 040	15 455							4.10	2								0.30	
136 27	TUFSBREEN	78 030	15 395							3.30	2								0.21	
136 28	BROMBREEN	78 010	15 365							2.15	2								0.11	
136 29	LÅGSNYTBREEN	77 599	15 400							2.25	2								0.12	
136 30	HØGSNYTBREEN	77 589	15 350							2.00	2								0.10	
136 31	STUTTDALSBREEN	77 600	15 350							1.70	2								0.07	
136 32	PASSFJELLBREEN E	78 008	15 005	NE	NE	5203	20	J	60	8.70	1	4.4	60	700	500	250	450	2	0.84	
136 33	TAVLEBREEN	77 578	15 060	NE	NE	5102	27	J	60	10.90	1	5.9	60	750	470	250	440	2	1.10	2
136 34		77 557	15 045							1.15	2								0.03	
136 35	KALVDALSBREEN	77 550	15 070							3.90	2								0.27	
136 36	RYPEFJELLBREEN	77 539	15 105							2.25	2								0.12	
136 37		77 531	15 105							1.00	2								0.02	
136 38	VASSDALSBREEN	77 540	15 000							2.30	2								0.12	
136 39	STENEHJEMBREEN	77 498	14 590							2.30	2								0.12	
136 40	KOLFJELLBREEN	77 488	14 590							3.00	2								0.18	

33 glaciers < 1 km^2 A= 16.10 km^2

7 NORDENSKIÖLD LAND SW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
137 01	ISKOLLBREEN	77 498	14 545							1.90	2								0.09	
137 02	MARSTRANDERBREEN	77 553	14 580	W	W	5102	27	J	60	9.90	1	4.5	60	700	460	200	410	2	1.00	2
137 03	GLEDITSCHFONNA	77 545	14 415							4.85	2								0.37	
137 04	FOLKVARD BUGGEBR	77 525	14 400							1.10	2								0.03	
137 05	FLYGARFONNA	77 529	14 350							1.75	2								0.08	

N 4W1 SPITSBERGEN 3 BELLSUND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
137 06	NO AURDALSBRE	77 526	14 310							2.70	2								0.16	
137 07	SØ AURDALSBRE	77 518	14 305							1.15	2								0.03	
137 08	FRIDTJOVBREEN	77 500	14 260	SE	SE	5241	22	I	69	48.70	1	13.0	80	600	350	0	260	2	11.00	MS+
137 09	SAGABREEN	77 468	14 270							4.30	2								0.31	
137 10	ERDMANNBREEN	77 520	14 090	E	SE	5302	27	I	69	11.40	1	5.1	69	550	350	130	310	2	1.40	M+
137 11	SARTORIUSBREEN	77 506	14 170							1.70	2								0.07	

15 glaciers < 1 km^2 A= 6.25 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
131	WEDEL JARLSBERG LAND NW	587	38	256	43.7	440	344	50
132	VAN KEULENFJORDEN	1822	59	1273	69.9	451	379	248
133	NATHORST LAND N	495	43	195	39.4	534	468	23
134	RINDERSBUKTA	438	23	287	65.5	439	349	47
135	KJELLSTRØMDALEN	625	68	240	38.4	421	392	21
136	REINDALEN	1022	73	235	23.0	589	518	26
137	NORDENSKIÖLD LAND SW	427	26	96	22.4	374	289	15
13	BELLSUND	5416	330	2582	47.7	461	388	430

N 4W1 SPITSBERGEN 4 ISFJORDEN

1 NORDENSKIÖLD LAND NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
141 01	DAHLFONNA	77 545	14 030	N	N	5102	27	E	69	13.80	1	4.5	69	650	340	100	230	2	1.00	M+
141 02	SOLFONNA	77 590	13 575							1.65	2								0.07	
141 03	LINNÉBREEN	77 580	13 550							3.85	2								0.27	
141 04	VARDEBREEN	78 043	13 545							3.20	2								0.20	
141 05	VØRINGBREEN	78 026	13 580	NE	N	5302	27	E	69	2.10	2	1.6	69	500	280	130	260	2	0.14	M+
141 06	HEFTYEBREEN	78 000	14 000							1.00	2								0.02	
141 07		77 593	14 030							1.50	2								0.06	
141 08	ALDEGONDABREEN	77 584	14 055	NE	NE	5302	27	E	69	9.10	1	4.8	69	500	330	70	240	2	0.91	M+
141 09	GRØNFJORDBREANE	77 540	14 150	N	NE	5201	27	E	69	38.30	1	7.0	80	550	330	90	280	2	3.80	M+
141 10	JANSSONBREEN	77 539	14 305	N	N	5102	27	E	69	5.70	1	4.5	80	500	310	100	370	2	0.47	
141 11	BAALSRUDBREEN	77 547	14 360							4.40	2								0.33	
141 12	JAMDALSBREEN	77 562	14 410							2.70	2								0.16	
141 13	GULLSTRANDBREEN	77 575	14 400							1.30	2								0.04	
141 14	LACMANNBREEN	77 570	14 435							1.00	2								0.02	
141 15	SKAVLEFJELLBREEN	77 574	14 535							2.05	2								0.10	
141 16	TUNGEBREEN	77 574	14 580							4.15	2								0.30	
141 17	IRABREEN	78 014	14 410							2.10	2								0.10	
141 18	PAXBREEN	78 023	14 400							1.15	2								0.03	2
141 19	HÄGGBREEN	78 019	14 435							1.25	2								0.04	
141 20	STOLLEYBREEN	78 012	14 460							1.45	2								0.05	

N 4W1 SPITSBERGEN 4 ISFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS MOR	PHOTO T	PHOTO YR	AREA (km^2)	AREA A	LEN. (km)	LEN. YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
141 21	PASSFJELLBREEN W	78 010	14 560						2.50	2								0.14	
141 22		78 021	15 000						1.70	2								0.07	
141 23		78 020	15 130						1.20	2								0.04	
141 24		78 031	15 195						1.55	2								0.06	
141 25		78 015	15 275						1.20	2								0.04	
141 26	MEDALSBREEN	78 014	15 330						4.65	2								0.35	
141 27		78 034	15 340						1.50	2								0.06	
141 28	BØDALSBREEN	78 054	15 400						4.05	2								0.29	
141 29	DRYADBREEN	78 088	15 270						2.15	2								0.11	
141 30		78 090	15 095						1.15	2								0.03	

40 glaciers < 1 km^2 A= 16.70 km^2

2 ADVENTDALEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS MOR	PHOTO T	PHOTO YR	AREA (km^2)	AREA A	LEN. (km)	LEN. YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
142 01	GRUMANTBREEN	78 087	15 130						2.85	2								0.17	
142 02	HÅBERGBREEN	78 084	15 200						3.50	2								0.23	
142 03		78 114	15 275						1.05	2								0.03	
142 04	LONGYEARBREEN	78 105	15 300	NE	NE	5302	27	F 60	4.00	2	4.8	80	1000	580	250	530	2	0.28	M
142 05	LARSBREEN	78 107	15 345	N	NE	5302	27	F 60	4.15	2	3.7	80	800	620	300	570	2	0.30	
142 06	BOGERBREEN	78 080	15 380	N	NW	5323	70	F 60	5.30	1	4.0	80	900	600	300	540	2	0.42	M
142 07		78 083	15 415						1.85	2								0.08	
142 08		78 093	15 470						1.10	2								0.03	
142 09		78 076	15 460						1.50	2								0.06	
142 10	SVENDSENBREEN	78 067	15 435						2.45	2								0.13	

N 4W1 SPITSBERGEN 4 ISFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
142 11	SCOTT TURNERBR	78 062	15 570	NE	NE	5103	77	F	61	5.60	1	8.0	61	950	530	250	530	2	0.46	S
142 12	RIEPERBREEN	78 071	16 070	W	W	4302	27	F	61	6.00	1	4.0	60	900	640	260	450	2	0.50	M
142 13	FOXFONNA N	78 074	16 100							3.95	2								0.22	2M+
142 14	FOXBREEN	78 059	16 190	NE	NE	4102	27	E	77	10.80	1	3.4	77	900	630	300	540	2	1.10	M
142 15	HALLWYLBREEN	78 087	16 230							1.70	2								0.07	
142 16	GLØTTFJELLBREEN	78 081	16 285	N	N	5153	77	E	77	13.10	1	5.7	77	1050	620	260	540	2	1.40	S
142 17	DRØNBREEN	78 070	16 500	NE	N	5122	27	E	77	32.90	1	10.4	77	850	540	250	500	2	4.60	S
142 18	BREIFONNA	78 097	17 070							4.50	2								0.34	3
142 19	ARNICABREEN	78 143	17 400							1.75	2								0.08	
142 20		78 139	16 305							1.30	2								0.04	
142 21	TELLBREEN	78 152	16 110	NE	N	5302	27	E	77	5.40	1	4.2	77	800	580	340	480	2	0.44	
142 22		78 142	16 130							1.20	2								0.04	
142 23		78 135	16 140							1.10	2								0.03	
142 24		78 132	16 170							1.35	2								0.05	
142 25	ALTBREEN	78 135	16 075							2.60	2								0.15	
142 26	BLEKUMBREEN	78 148	16 040							3.25	2								0.21	
142 27	MÄLARBREEN	78 161	16 040							3.95	2								0.28	
142 28		78 160	15 505							1.15	2								0.03	
142 29	BRANDTBREEN	78 171	15 575							2.30	2								0.12	
142 30	KNORRINGBREEN	78 181	16 035							2.70	2								0.16	

37 glaciers < 1 km^2 A= 15.00 km^2

3 SASSENDALEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
143 01		78 185	16 065							1.60	2								0.07	
143 02	BLACKBREEN	78 171	16 080							3.45	2								0.23	
143 03	FANGENBREEN	78 160	16 115							1.80	2								0.08	
143 04	ARCTOWSKIBREEN	78 144	16 340							3.30	2								0.21	
143 05		78 153	16 370							1.95	2								0.09	

N 4W1 SPITSBERGEN 4 ISFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
143 06	FLOWERBREEN	78 163	16 350							2.25	2								0.12	
143 07	LUSITANIABREEN	78 162	16 460							4.45	2								0.33	
143 08	DUBOISBREEN	78 152	16 460							3.65	2								0.25	
143 09		78 143	16 470							2.00	2								0.10	2
143 10	KAMPFONNA	78 109	17 080	N	N	0302	27	E	77	6.10	1	3.0	77	900	690	350	X650	2	0.52	*4
143 11		78 094	17 125							2.90	2								0.17	3
143 12	VENDOMBREEN	78 078	17 160	NW	NE	5153	77	E	77	16.50	1	7.3	77	860	570	140	500	2	1.90	S
143 13	JINNBREEN	78 086	17 300	NW	NW	4352	27	F	70	21.20	1	8.4	77	750	530	220	420	1	2.70	HEF
143 14	HELLEFONNA W	78 103	17 305							3.50	2								0.23	HEF
143 15	HELLEFONNA NW	78 111	17 335	NW	NW	4303	70	F	61	8.60	1	5.0	61	750	580	150	380	1	0.83	HEF
143 16		78 131	17 365							1.10	1								0.03	
143 17	HELLEFONNA N	78 121	17 420	NE	E	4102	27	F	61	6.90	1	5.1	61	680	570	160	450	1	0.61	HEF
143 18	MARMORBREEN	78 107	17 500	E	E	4207	27	F	71	13.20	1	6.9	80	680	500	100	400	2	1.50	HEF S
143 19	VEITBREEN	78 105	18 040							3.30	1								0.21	NOF
143 20		78 117	18 015							1.55	1								0.06	NOF
143 21	LUMPBREEN	78 130	18 020	W	W	4102	27	F	71	9.00	1	4.4	71	660	500	150	420	1	0.88	NOF
143 22		78 145	17 565							3.20	1								0.20	NOF
143 23		78 151	17 595							1.00	1								0.02	
143 24	SKROTTBREEN	78 152	18 100	NW	N					10.90	1	4.5	70						1.20	NOF
143 25		78 177	18 933	NW	NW					1.80	1	2.5	70						0.09	NOF
143 26	NORDMANNSFON. NW	78 186	18 165	W	W					19.80	1	4.5	70						2.45	NOF
143 27	RABOTBREEN	78 190	18 090	S	SW	4103	77	F	70	106.00	1	16.0	70	700	500	90	360	1	19.00	FII
143 28	FIMBULISEN W	78 210	17 380	SW	W	0333	20	F	70	34.00	1	5.1	70	700	620	250	600	2	4.80	FII *5

30 glaciers $< 1\ km^2$ A= $7.45\ km^2$

N 4W1 SPITSBERGEN 4 ISFJORDEN

4 TEMPELFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
144 01	WANDBREEN	78 230	17 380	NW	NW	4202	27	F	71	5.10	2	4.7	71	700	600	300	Y400	2	0.40	FII
144 02	VON POSTBREEN	78 260	17 530	W	W	4142	22	F	71	174.00	1	21.8	80	1000	560	0	470	2	34.00	FII MS
144 03	TUNABREEN	78 350	17 330	SW	S	4247	22	F	71	203.00	1	34.7	80	1050	680	0	510	2	41.00	FIF MS
144 04	BRUCEBREEN	78 290	17 175	S	S	5201	27	F	71	7.30	1	7.0	71	850	550	80	410	1	0.66	
144 05	BURN-MURDOCHBR	78 280	17 065	S	SW	5102	27	F	61	8.30	1	5.3	61	900	480	100	420	1	0.79	
144 06		78 263	16 570							1.30	1								0.04	
144 07	KOMMISSÆRBREEN	78 255	16 525							1.00	1								0.02	
144 08		78 253	16 430							1.50	1								0.06	
144 09	MACLEANBREEN	78 261	16 525							2.05	1								0.10	
144 10		78 294	17 010							1.00	1								0.02	
144 11	BOLTONBREEN	78 298	17 040	W	W	5103	77	F	61	6.60	1	6.1	61	850	550	100	390	1	0.57	
144 12	METHUENBREEN	78 311	17 120	NW	NW	5103	70	F	61	12.20	1	7.0	61	1100	510	100	430	1	1.30	
144 12	PINKBREEN	78 327	17 160							1.30	1								0.04	
144 14		78 343	17 230							1.50	1								0.06	
144 15	FLORABREEN	78 361	17 200	SW	S	5103	70	F	66	13.10	1	7.0	66	1050	530	180	480	1	1.40	
144 16		78 354	17 140							2.00	1								0.10	
144 17	MARGARETBREEN	78 350	17 065	SW	S	5203	70	F	61	7.60	1	7.2	61	970	460	140	500	1	0.70	
144 18	STENHOUSEBREEN	78 313	16 470							2.30	1								0.12	
144 19		78 304	16 440							1.20	1								0.04	

18 glaciers < 1 km^2 A= 5.85 km^2

N 4W1 SPITSBERGEN 4 ISFJORDEN

5 BILLEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
145 01		78 318	16 405							4.30	1								0.31	
145 02		78 326	16 480							1.20	1								0.04	
145 03	FAIRWEATHERBREEN	78 342	16 550							4.40	1								0.33	
145 04	AUSTBOTNEN	78 355	16 485							1.00	1								0.02	
145 05	MATHEWBREEN	78 360	16 570							3.30	1								0.21	
145 06	NORDENSKIÖLDBR.	78 420	17 110	SW	W	4242	22	F	66	242.00	1	26.0	80	1200	750	0	520	2	36.00	LOF M+
145 07	POLLOCKBREEN	78 419	16 505							2.70	2								0.16	
145 08	EBBABREEN	78 440	16 570	SW	SW	5202	27	F	61	25.00	1	8.5	61	1120	630	100	620	2	3.30	
145 09	BERTRAMBREEN	78 449	16 490							4.90	3								0.38	
145 10	RAGNARBREEN	78 454	16 440	W	SW	4202	27	F	61	8.00	2	7.0	61	700	450	90	370	2	0.75	
145 11	HØRBYEBREEN	78 454	16 170	E	SE	5102	27	F	60	23.30	1	10.5	60	750	450	100	340	2	3.00	
145 12	SVENBREEN	78 434	16 180							4.20	2								0.30	
145 13	FERDINANDBREEN	78 424	16 195							1.60	2								0.07	
145 14	ELSABREEN	78 411	16 225							1.05	2								0.03	
145 15	BERTILBREEN	78 414	16 160	S	S	5302	27	F	60	5.40	1	5.2	60	700	510	150	440	2	0.49	M+
145 16	MUNINBREEN	78 430	16 070	SE	S	5102	27	F	60	7.90	1	5.0	60	650	450	220	390	2	0.73	
145 17		78 414	16 020							1.70	2								0.07	
145 18		78 406	16 000							2.70	2								0.16	2
145 19		78 408	15 120							3.50	1								0.23	
145 20		78 392	15 575							1.85	1								0.08	
145 21	JOTUNFONNA	78 364	16 070	N	S	3303	77	F	60	19.00	1	4.0	60	710	550	300	X550	2	2.30	3
145 22	FROSTISEN	78 325	15 420	NE	NE	3303	77	F	60	19.80	1	5.2	60	650	520	70	X500	2	2.50	4S
145 23		78 321	15 535							1.35	1								0.05	

25 glaciers < 1 km^2 A= 6.95 km^2

N 4W1 SPITSBERGEN 4 ISFJORDEN

6 DICKSONFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
146 01		78 371	15 485	S	E	3302	27	F	60	8.00	1	2.0	60	660	560	330	X550	2	0.75	5
146 02		78 410	15 460							2.35	2								0.12	
146 03		78 424	15 435							1.85	2								0.08	
146 04		78 416	15 480							2.00	2								0.10	
146 05		78 437	16 020							2.15	2								0.11	
146 06	STENSIÖBREEN	78 448	16 035							3.75	2								0.26	
146 07	GONVILLEBREEN	78 460	16 015	W	W	5103	70	F	60	7.90	1	4.4	60	750	490	300	480	2	0.73	
146 08	ROBERTSONBREEN	78 472	15 580	W	W	5302	27	F	60	5.00	1	3.7	60	700	470	260	400	2	0.39	
146 09		78 485	15 455							1.50	3								0.06	2
146 10		78 486	15 490							1.25	2								0.04	
146 11	KINAMURBREEN	78 490	15 580							4.45	2								0.33	
146 12	SOPHUSBREEN	78 513	15 385							2.15	2								0.11	
146 13		78 518	15 355							2.05	2								0.10	
146 14	GAVLHAUGBREEN	78 528	15 295							2.95	2								0.18	
146 15		78 542	15 350							2.50	2								0.14	
146 16		78 547	15 295							1.50	2								0.06	
146 17	FYRISBREEN	78 560	15 340	W	W	5103	27	F	70	7.30	1	4.1	70	900	700	320	570	2	0.66	S
146 18	BATTYEBREEN	78 595	14 510	SE	SE	5102	27	F	66	130.00	1	21.8	66	1120	630	90	480	2	24.00	
146 19	BARMFJELLBREEN	78 545	14 490	NE	E	5152	27	F	66	41.90	1	11.0	66	1140	600	100	550	1	6.20	
146 20		78 550	15 015							3.70	2								0.25	
146 21		78 545	14 530							1.95	1								0.09	
146 22		78 526	14 590							3.65	1								0.25	S
146 23	BRENNBREEN	78 526	15 000							3.60	1								0.24	
146 24		78 496	14 590							1.90	1								0.09	
146 25	SØLVBREEN	78 500	14 510							3.45	4								0.23	

N 4W1 SPITSBERGEN 4 ISFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
146 26	GYGREBREEN	79 483	14 545							3.65	1								0.25	
146 27	URBREEN	79 468	14 540							2.50	1								0.14	
146 28		78 427	15 000							2.35	1								0.12	
146 29	HANSDALSBREEN	78 414	15 010							2.60	2								0.15	
146 30		78 408	15 020							1.10	2								0.03	

44 glaciers < 1 km^2 A= 17.50 km^2

7 EKMANFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
147 01	KAPITOLBREEN	78 419	14 565							2.20	1								0.11	
147 02		78 466	14 500							1.25	1								0.04	
147 03	HATTBREEN	78 487	14 470							2.50	1								0.14	
147 04		78 503	14 470							1.30	1								0.04	
147 05	GUFSBREEN	78 518	14 500	SW	SW	5102	27	F	66	6.00	1	4.8	66	900	570	250	470	1	0.50	
147 06	MÅLARBREEN	78 512	14 345							2.50	1								0.14	
147 07	BITIHORNBREEN	78 521	14 400							2.70	1								0.16	
147 08		78 533	14 370							1.65	1								0.07	2
147 09		78 546	14 295							1.10	1								0.03	
147 10	ORSABREEN	79 000	14 120	SE	S	4253	22	F	66	147.00	1	32.0	66	1060	620	50	490	2	28.00	HOF M
147 11	MORABREEN	78 566	14 075	SE	SE	4152	20	F	66	94.00	1	26.0	66	1050	600	60	470	2	16.00	HOF
147 12		78 519	14 035							1.75	1								0.08	
147 13	HOLMSTRÖMBREEN	78 510	14 110	SE	SE	4152	27	F	66	145.00	1	28.0	66	1100	540	20	450	2	28.00	HOF M
147 14		78 471	14 180							3.80	1								0.26	3
147 15	QVARNSTRØMBREEN	78 464	14 179	SE	SE	5252	20	F	66	32.60	1	14.0	66	700	470	100	420	2	4.30	
147 16	SEFSTRÖMBREEN	78 450	13 570	SE	SE	5141	27	F	66	155.00	1	23.0	80	950	500	0	390	2	30.00	MS
147 17	BARDEBREEN	78 400	14 060	E	E	5252	22	F	66	30.80	1	11.9	80	700	400	20	370	1	4.30	

6 glaciers < 1 km^2 A= 1.20 km^2

N 4W1 SPITSBERGEN 4 ISFJORDEN

8 OSCAR II LAND E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
148 01	LAPPBREEN	78 385	14 160							3.70	1								0.25	
148 02		78 374	14 130							1.15	1								0.03	
148 03	SVEABREEN	78 360	14 060	SE	SE	5241	22	F	66	174.00	1	31.2	80	950	450	0	300	1	34.00	M
148 04		78 310	14 140							3.10	1								0.19	
148 05	WAHLENBERGBREEN	78 300	14 030	SE	SE	5241	22	F	66	131.00	1	26.7	80	850	430	0	250	1	24.00	MS
148 06		78 267	14 180							1.35	1								0.05	

3 glaciers < 1 km^2 A= 1.45 km^2

9 OSCAR II LAND SE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
149 01	BOREBREEN	78 265	13 540	SE	SE	5241	22	F	66	120.00	1	22.0	80	750	380	0	260	1	22.00	M
149 02	NANSENBREEN	78 220	13 560	SE	SE	5241	27	F	66	45.10	1	14.6	80	650	290	0	240	1	6.80	MS
149 03	ESMARKBREEN	78 193	13 440	SE	SE	5241	27	F	66	50.50	1	15.4	80	650	300	0	240	2	7.80	
149 04	KIÆRBREEN	78 183	13 440							2.15	2								0.11	
149 05	KJERULFBREEN	78 175	13 390	SE	SE	5142	22	F	66	21.60	1	6.0	80	600	240	0	230	2	2.70	2
149 06	PROTEKTORBREEN	78 146	13 410	NE	NE	5242	22	F	66	7.60	1	4.0	80	700	250	0	200	2	0.70	
149 07	TORGNYBREEN	79 142	13 330							3.00	2								0.18	

12 glaciers < 1 km^2 A= 6.45 km^2

N 4W1 SPITSBERGEN 4 ISFJORDEN

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
141	NORDENSKIÖLD LAND NW	893	70	140	15.7	334	272	10
142	ADVENTDALEN	694	67	149	21.5	585	515	12
143	SASSENDALEN	1085	58	270	24.9	540	429	35
144	TEMPELFJORDEN	785	37	458	58.4	612	484	81
145	BILLEFJORDEN	907	48	397	43.8	682	508	52
146	DICKSONFJORDEN	1013	74	278	27.5	617	499	37
147	EKMANFJORDEN	1036	23	623	60.8	541	437	119
148	OSCAR II LAND E	436	9	316	72.4	443	279	59
149	OSCAR II LAND SE	460	19	256	55.7	332	248	40
14	ISFJORDEN	7309	400	2887	39.6	543	420	445

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

1 PRINS KARLS FORLAND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
151 01	ARCHIB. GEIKIEBR.	78 271	11 320	NE	NE	5112	27	F	66	6.30	1	3.9	80	600	200	30	200	2	0.54	
151 02	MIDTRE GEIKIEBR.	78 283	11 300							3.50	2								0.23	
151 03	JAMES GEIKIEBR.	78 296	11 250							4.70	2								0.36	
151 04	DODDSBREEN	78 311	11 200							2.00	2								0.10	
151 05	MAGDABREEN	78 338	11 100							3.70	2								0.25	
151 06	ALFREDBREEN	78 342	11 060							4.65	1								0.35	
151 07	SØ BUCHANANISEN	78 370	11 040	E	E	0111	27	F	66	18.30	1	4.3	80	1000	170	0	200	2	2.20	*
151 08	NO BUCHANANISEN	78 400	10 590	NE	NE	0111	22	F	66	10.30	1	3.0	80	1000	400	0	200	2	1.10	*
151 09	FALLBREEN	78 421	10 590							3.95	1								0.28	
151 10	MURRAYBREEN	78 437	10 580	E	E	5311	27	F	66	11.30	1	5.4	80	500	180	0	250	2	1.20	
151 11	AU VESALBREEN	78 445	10 550							1.20	2								0.04	
151 12	VE VESALBREEN	78 445	10 520							1.15	2								0.03	
151 13	MILLERBREEN	78 423	10 520	N	NW	5302	27	F	66	6.40	1	5.0	66	650	310	50	260	2	0.55	
151 14	PARNASSBREEN	78 377	10 580							1.45	2								0.05	

19 glaciers < 1 km^2 A= 4.70 km^2

2 OSCAR II LAND SW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
152 01	LEXFJELLBREEN	78 156	13 300							3.45	2								0.23	
152 02	VETTERNBREEN	78 187	13 240	SW	S	4203	77	F	66	38.60	1	14.0	66	650	300	70	240	2	5.60	
152 03	VENERNBREEN	78 205	13 200	SW	W	4222	27	F	66	45.50	1	15.4	66	650	340	50	320	1	6.90	
152 04	EIDEMBREEN	78 250	13 190	W	W	5222	27	F	66	158.00	1	20.2	66	750	370	10	370	1	16.00	M+
152 05	HYDROGRAFBREEN	78 270	12 450	SW	S	5102	27	F	66	28.50	1	7.6	66	600	290	80	260	1	3.90	M
152 06		78 258	12 385							1.00	1								0.02	

7 glaciers < 1 km^2 A= 3.80 km^2

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

3 ST. JONSFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
153 01		78 287	12 336							1.90	1								0.09	
153 02	BULLBREEN	78 288	12 400	NE	N	5102	22	F	66	14.20	1	6.1	66	500	270	0	200	1	1.60	
153 03	HOLMESLETBREEN W	78 293	12 510							1.05	1								0.03	
153 04	HOLMESLETBREEN E	78 293	12 550							1.00	1								0.02	M
153 05	LØVLIEBREEN	78 288	13 010	NW	N	5102	27	F	66	12.70	1	6.8	66	650	280	10	200	1	1.40	M
153 06	GUNNARBREEN	78 292	13 075							4.00	1								0.28	
153 07	ANNA SOFIEBREEN	78 292	13 124							3.00	1								0.18	
153 08	CHARLESBREEN	78 300	13 220	N	NW	5301	22	F	66	27.80	1	9.5	66	650	350	0	340	1	3.80	
153 09		78 316	13 184							2.15	1								0.11	
153 10	VEGARDBREEN	78 319	13 220	W	NW	5102	27	F	66	11.40	1	6.5	66	800	360	30	380	2	1.20	
153 11	PAULBREEN	78 336	13 263							3.30	1								0.21	
153 12	VINTERVEGEN	78 350	13 310	NW	SW	5241	22	F	66	31.60	1	12.4	80	950	500	0	340	2	4.40	M
153 13	OSBORNEBREEN	78 380	13 170	S	S	4141	22	F	66	152.00	1	20.1	80	950	450	0	300	2	29.00	MS
153 14	KONOWBREEN	78 360	12 590	S	SE	4241	22	F	66	49.60	1	14.4	80	750	320	0	210	1	7.60	LØF M
153 15	SMALGANGEN	78 337	13 010							1.80	1								0.08	
153 16	GAFFELBREEN	78 337	12 520	S	S	5151	22	F	66	23.40	1	7.6	80	750	400	0	290	1	3.00	
153 17		78 330	12 590							1.40	1								0.05	
153 18	ANKERBREEN	78 308	12 390							4.90	1								0.38	
153 19	DAHLBREEN	78 370	12 360	SW	SW	4241	22	F	66	134.00	1	18.6	80	900	450	0	330	2	25.00	LØF M
153 20	OLIVERBREEN	78 364	12 225							1.45	2								0.05	
153 21	ANDREASBREEN	78 369	12 175	SW	SW	5302	27	F	66	6.70	1	5.1	66	600	330	80	250	2	0.59	
153 22	EIVINDBREEN	78 379	12 170							3.00	2								0.18	

10 glaciers < 1 km^2 A= 3.10 km^2

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

4 OSCAR II LAND NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
154 01	ELISEBREEN	78 388	12 130	SW	SW	5122	27	F	66	11.40	1	9.0	66	850	350	80	300	2	1.20	
154 02	IRENEBREEN	78 399	12 070							4.70	2								0.36	
154 03	WALDEMARBREEN	78 405	12 030							3.30	2								0.21	
154 04	AAVATSMARKBREEN	78 420	12 130	W	W	4241	27	F	66	81.00	1	15.1	80	750	400	0	390	2	14.00	LØF M
154 05	ERIKKABREEN	78 440	12 040	NW	W	5353	70	F	66	5.30	1	5.0	66	600	330	150	300	2	0.42	
154 06	HAAKENBREEN	78 447	11 590							1.55	2								0.06	
154 07	CISSYBREEN	78 449	11 580							2.20	2								0.11	
154 08	ARTHURBREEN	78 463	11 550							3.60	2								0.24	
154 09	TASSBREEN	78 469	11 555							1.50	2								0.06	
154 10		78 479	11 500							1.00	2								0.02	
154 11		78 478	11 530							1.65	2								0.07	
154 12	COMFORTLESSBREEN	78 460	12 080	NW	NW	5142	27	F	66	64.70	1	14.9	76	1000	360	0	360	2	11.00	M
154 13	UVERSBREEN	78 470	12 320	NW	NW	5253	70	F	66	63.40	1	20.5	66	800	400	50	440	1	10.00	LØF M
154 14	EDITHBREEN	78 511	12 070							4.30	2								0.31	
154 15	STEENBREEN	78 518	11 560							1.20	2								0.04	M

5 glaciers < 1 km^2 A= 2.95 km^2

5 KONGSFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
155 01	TRONGSKARDBREEN	78 551	11 370							1.20	2								0.04	
155 02	MØREBREEN	78 558	11 410							1.30	2								0.04	
155 03	VE BRØGGERBREEN	78 547	11 435	NE	NE	5152	27	E	77	5.20	1	4.3	80	550	250	30	200	1	0.23	M+

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
155 04	AU BRØGGERBREEN	78 535	11 500	N	N	5152	27	E	77	11.80	1	6.0	80	600	260	40	245	1	0.65	MS+
155 05	VE LOVÉNBREEN	78 542	11 555							2.45	1								0.13	
155 06	MIDRE LOVÉNBREEN	78 530	12 040	NE	N	5222	27	E	77	5.95	1	4.8	80	650	330	40	260	1	0.45	MS+
155 07	AU LOVÉNBREEN	78 527	12 090	NW	N	5222	27	F	77	6.20	1	4.8	77	600	320	40	270	2	0.53	M
155 08	PEDERSENBREEN	78 515	12 175	N	N	5202	27	F	77	5.60	1	5.4	77	650	450	90	320	2	0.46	
155 09	BOTNFJELLBREEN	78 507	12 260	NE	NE	5152	22	F	66	6.20	1	4.8	66	750	450	100	440	2	0.53	
155 10	KONGSVEGEN	78 480	12 590	NW	NW	4241	22	F	66	189.00	1	27.0	80	1050	500	0	470	2	37.00	MS
155 11	KRONEBREEN	78 580	13 110	S	W	4241	22	F	66	690.00	1	42.7	80	1400	650	0	670	2	140.00	HOF 3MS+
155 12	CONWAYBREEN	79 000	12 450	S	W	5241	22	F	66	56.60	1	16.6	80	1100	750	0	460	2	8.90	
155 13	FEIRINGBREEN	79 013	12 290	S	S	5103	72	F	66	7.60	1	6.6	66	850	520	50	420	1	0.70	
155 14	SKREIFJELLBREEN	79 016	12 195							2.60	1								0.15	
155 15	BLOMSTRANDBREEN	79 047	12 250	SW	S	5141	22	F	66	102.00	1	21.0	80	1050	500	0	500	2	18.00	2MS
155 16	OLSSØNBREEN	79 036	11 575							1.90	1								0.09	

9 glaciers < 1 km^2 A= 3.50 km^2

6 KROSSFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
156 01	FJORTENDE JULIBR	79 078	12 130	W	W	5141	22	F	66	81.00	1	18.4	80	1200	400	0	550	2	14.00	M
156 02	D'ARODESBREEN	79 088	12 040	SW	W	5302	22	E	70	16.10	1	9.8	70	750	400	10	360	1	1.90	
156 03	FLAKBREEN	79 103	11 585	N	N	5302	27	E	70	6.00	1	3.8	70	750	470	80	380	1	0.50	
156 04		79 105	12 045							2.30	1								0.12	
156 05	FLANKEBREEN	79 105	12 080							2.80	1								0.17	
156 06		79 106	12 150							2.80	1								0.17	
156 07	TINAYREBREEN	79 122	12 260	W	W	4141	22	F	66	53.10	1	15.7	80	1200	700	0	400	2	8.30	ISF
156 08	SNØDOMBREEN	79 134	12 090							2.60	1								0.15	
156 09		79 141	12 080							1.10	1								0.03	
156 10		79 146	12 100							1.50	1								0.06	

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
156 11	MAYERBREEN	79 149	12 250	S	W	4141	22	F	66	43.70	1	15.0	80	1200	550	0	510	2	6.60	ISF M
156 12	KOLLERBREEN	79 193	12 210	W	SW	5142	22	F	66	29.60	1	11.0	80	1250	450	0	280	2	4.10	M
156 13	SUPANBREEN	79 200	12 000	W	SW	5102	27	F	66	18.40	1	9.4	66	770	410	10	300	1	2.20	
156 14	LILLIEHØØKBREEN	79 240	11 400	S	S	4141	22	F	66	259.00	1	21.5	80	1000	450	0	290	1	54.00	M
156 15	FORBESBREEN	79 192	11 230	NE	E	4241	22	E	70	12.10	1	5.2	80	600	350	0	220	1	1.30	
156 16	ØYENBREEN	79 181	11 270							3.60	1								0.24	
156 17	SLØRBREEN	79 172	11 275							3.00	1								0.18	
156 18	HÅRBREEN	79 161	11 230							1.75	1								0.08	
156 19	KARLBREEN	79 143	11 327							1.25	1								0.04	
156 20	HERGESELLBREEN	79 134	11 359							1.05	1								0.03	
156 21	WILLEBREEN	79 083	11 275							1.30	1								0.04	

20 glaciers < 1 km^2 A= 7.35 km^2

7 ALBERT I LAND W

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
157 01	BLÅSHAUGBREEN	79 116	11 295							1.60	1								0.07	
157 02	VEOBREEN	79 132	11 315							4.00	1								0.28	
157 03	DRONNINGBREEN	79 155	11 180	S	S	4302	27	E	70	10.10	1	7.3	70	650	320	30	250	1	1.00	
157 04	FØRSTEBREEN	79 170	11 120	S	SW	4322	27	E	70	24.40	1	9.0	80	500	380	0	320	1	3.20	
157 05	ANDREBREEN	79 200	11 065	W	SW	5202	27	E	70	20.20	1	8.5	80	700	300	0	250	1	2.50	
157 06	TREDJEBREEN	79 228	11 050	W	SW	4102	27	E	70	36.80	1	10.6	80	700	340	0	260	1	5.30	2
157 07		79 237	11 030							1.60	1								0.07	
157 08	FEMTEBREEN	79 250	11 020	NW	W	5202	27	E	70	5.60	1	5.5	70	550	310	10	300	1	0.46	
157 09	SJETTEBREEN	79 270	11 150	W	W	4142	22	E	70	66.70	1	13.5	80	800	450	0	380	1	11.00	
157 10	MUNTHEBREEN	79 286	11 020							3.00	1								0.18	

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
157 11	SJUBREEN	79 296	10 580	W	W	5242	27	E	70	8.90	1	5.8	80	800	260	0	220	1	0.86	
157 12	KNIVSEGGBREEN	79 305	10 550							2.00	1								0.10	
157 13	NEPEBREEN	79 314	10 520							1.55	1								0.06	
157 14	HAMBURGBREEN	79 317	10 470							3.70	1								0.25	
157 15	ADAMBREEN	79 329	10 490							2.65	1								0.15	
157 16	GULLYBREEN	79 315	11 000	NW	NW	5141	22	E	70	11.10	1	4.7	80	600	300	0	200	1	1.20	
157 17	BROKEBREEN	79 319	11 080							4.95	1								0.39	
157 18	WAGGONWAYBREEN	79 305	11 200	NW	NW	5141	22	E	70	45.40	1	11.6	80	800	440	0	410	1	6.90	
157 19	ALKEBREEN	79 351	11 150							3.10	1								0.19	
157 20	BUCHANBREEN	79 349	11 065							2.45	1								0.13	
157 21	SKARPEGGBREEN	79 359	11 020							1.70	1								0.07	
157 22	YTSTEBREEN	79 361	10 545							1.35	1								0.05	
157 23	KNATTBREEN	79 366	10 575							2.95	1								0.18	

11 glaciers < 1 km^2 A= 2.90 km^2

8 SMEERENBURGFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
158 01	KVASSPIGGBREEN	79 373	11 045							2.55	1								0.14	
158 02	SCHEIBREEN	79 362	11 130	N	N	5142	27	F	66	19.70	1	7.5	66	750	270	0	230	1	2.40	2
158 03	BORGBREEN	79 371	11 225							1.55	1								0.06	
158 04	SMEERENBURGBREEN	79 350	11 360	N	NW	5141	22	F	66	114.40	1	16.4	80	800	470	0	320	1	21.00	
158 05	VIKSBREEN	79 393	11 305							2.05	1								0.10	
158 06	MARSTRANDBREEN	79 400	11 265	SW	SW	5142	22	F	66	6.20	1	4.6	80	800	400	0	250	1	0.53	
158 07	GULLMARBREEN	79 404	11 225							2.00	1								0.10	
158 08	BRATTEKLEIVBREEN	79 408	11 195							1.05	1								0.03	
158 09	SELLSTRÖMBREEN	79 418	11 265	S	W	5242	22	F	66	11.00	1	6.5	80	700	260	0	250	1	1.10	
158 10	FRAMBREEN	79 430	11 170	W	W	5342	22	F	66	6.30	1	3.8	80	700	250	0	230	1	0.54	

N 4W1 SPITSBERGEN 5 SPITSBERGEN NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
158 11	KENNEDYBREEN	79 445	11 200	NW	NW	5242	22	F	66	10.00	1	5.0	80	700	220	0	240	1	1.00	
158 12	SVITJODBREEN	79 430	11 370	NW	NW	5242	22	F	66	41.60	1	11.5	80	900	380	0	220	1	6.20	
158 13	JARLBREEN	79 459	11 345							1.90	1								0.09	
158 14	HOLMIABREEN	79 472	11 360							3.15	1								0.20	

16 glaciers < 1 km^2 A= 8.30 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
151	PRINS KARLS FORLAND	622	33	84	13.4	244	218	7
152	OSCAR II LAND SW	518	13	279	53.8	347	331	33
153	ST. JONSFJORDEN	678	32	495	73.1	418	299	79
154	OSCAR II LAND NW	490	20	254	51.8	386	389	38
155	KONGSFJORDEN	1428	25	1099	77.0	603	592	214
156	KROSSFJORDEN	817	41	551	67.5	472	362	94
157	ALBERT I LAND W	483	34	269	55.6	388	326	35
158	SMEERENBURGFJORDEN	407	30	232	56.9	403	279	33
15	SPITSBERGEN NW	5443	228	3263	59.9	478	423	533

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

1 RAUDFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
161 01	MAKAROVBREEN	79 487	11 455							4.30	1								0.31	
161 02	HAMILTONBREEN	79 465	11 410	N	NE	5242	22	F	66	14.60	1	5.4	80	700	350	0	180	2	1.60	
161 03	ARNELIUSBREEN	79 458	11 510							2.35	1								0.12	
161 04	SMITHBREEN	79 441	11 480	E	E	5242	22	F	66	14.80	1	6.1	80	650	300	0	190	1	1.70	
161 05		79 430	11 560							1.20	1								0.04	
161 06	FUHRMEISTERBREEN	79 426	11 515							3.55	1								0.24	
161 07	TINDEBREEN	79 420	11 570							1.10	1								0.03	
161 08	SKLIA	79 414	11 560							4.00	1								0.28	
161 09	PORTIERBREEN	79 405	11 555	NE	NE	5142	22	F	66	6.10	1	4.0	80	650	450	0	240	1	0.52	
161 10	CHAUVEAUBREEN	79 385	11 550	E	NE	5241	22	F	66	19.00	1	8.3	80	750	400	0	220	1	2.30	
161 11	RAUDFJORDBREEN	79 355	12 050	NE	NE	5141	22	F	66	68.60	1	16.0	80	900	400	0	300	2	11.00	2M
161 12		79 380	12 200							2.35	1								0.12	
161 13		79 385	12 225							1.35	1								0.05	
161 14	ANDRÉEBREEN	79 400	12 300	N	NW	5303	70	F	66	7.50	1	5.5	66	900	370	80	280	2	0.68	
161 15	HALLBREEN	79 412	12 265							1.25	1								0.04	
161 16		79 419	12 260							1.00	1								0.02	
161 17	APEBREEN	79 428	12 285	W	W	5123	70	F	66	5.20	1	2.9	66	650	440	150	340	1	0.41	2
161 18	BISKAYERFONNA	79 475	12 170	NW	N	3302	27	F	66	13.60	1	2.4	66	480	350	20	X350	2	1.50	5
161 19	ARLABREEN	79 444	12 365	NE	NE	5302	27	F	66	6.40	1	5.8	66	720	360	30	250	1	0.55	
161 20	SERLABREEN	79 437	12 390	NE	NE	5302	27	F	66	5.10	1	3.6	66	550	330	70	200	1	0.40	

17 glaciers < 1 km^2 A= 7.50 km^2

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

2 LIEFDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
162 01	PARADISBREEN	79 426	12 400	E	E	5202	27	F	66	7.90	1	5.4	66	750	410	40	260	1	0.73	
162 02	EVABREEN	79 411	12 345	SE	E	5301	27	F	66	6.40	1	4.7	66	650	450	100	270	1	0.55	
162 03		79 400	12 350							3.55	2								0.24	
162 04	ALBERTBREEN	79 395	12 440							4.30	1								0.31	
162 05	HANNABREEN	79 384	12 345	E	SE	5203	70	F	66	9.20	1	6.0	66	750	400	50	320	1	0.90	
162 06	ERIKBREEN	79 370	12 300	E	SE	5322	27	F	66	9.50	1	6.0	66	750	500	30	350	1	0.94	
162 07	IDABREEN	79 360	12 171	SE	SE	4101	22	F	66	8.60	1	3.2	66	250	150	0			0.83	
162 08	EMMABREEN	79 330	12 140	E	E	5142	22	F	66	15.70	1	7.1	80	1000	390	0	400	1	1.80	
162 09		79 320	12 170							1.80	1								0.08	
162 10	SELIGERBREEN	79 300	12 120	NE	NE	5141	22	F	66	47.40	1	9.1	80	900	540	0	410	1	7.20	
162 11	MONACOBREEN	79 240	12 340	N	N	4141	22	F	66	408.00	1	42.4	80	1250	600	0	370	2	91.00	ISF M
162 12		79 304	12 420							1.45	1								0.05	
162 13		79 310	12 435							2.45	1								0.13	
162 14		79 320	12 470							3.85	1								0.27	
162 15		79 328	12 515							2.05	1								0.10	
162 16		79 330	12 560							2.55	1								0.14	
162 17		79 331	12 595							1.10	1								0.03	

6 glaciers $< 1\ km^2$ A= $1.75\ km^2$

3 BOCKFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
163 01		79 315	12 580	NE	E	5103	70	F	66	9.80	1	6.6	66	800	470	100	300	1	0.98	
163 02	BØRREBREEN	79 300	12 560	NE	NE	5203	70	F	66	19.30	1	9.1	66	900	520	50	330	2	2.40	
163 03		79 288	13 035							3.30	1								0.21	
163 04		79 279	13 035							2.55	1								0.14	

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
163 05		79 273	13 010							3.00	1								0.18	
163 06	FRIEDRICHBREEN	79 260	13 000	NE	NE	5202	22	F	66	28.20	1	10.2	66	1250	580	0	450	2	3.80	
163 07	ADOLFBREEN	79 255	13 120	NE	NE	5202	27	F	66	10.00	1	7.9	66	1250	450	50	400	1	1.00	
163 08	NYGÅRDBREEN	79 238	13 110	E	NE	5202	27	F	66	7.80	1	7.2	66	1300	510	20	330	1	0.73	
163 09	SCHELDERUPBREEN	79 230	13 120	E	NE	5202	27	F	66	7.80	1	8.0	66	1000	670	20	400	1	0.73	
163 10	KARLSBREEN	79 180	13 250	NE	N	5102	27	F	66	104.00	1	18.0	66	1300	600	20	500	2	19.00	

7 glaciers < 1 km^2 A= 1.45 km^2

4 WOODFJORDEN S

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
164 01		79 216	13 365							2.00	1								0.10	
164 02		79 206	13 400							3.50	1								0.23	
164 03		79 192	13 370							1.25	2								0.04	
164 04		79 173	13 380							2.35	1								0.12	
164 05		79 150	13 335							2.10	1								0.10	
164 06	VONBREEN	79 090	13 430	NE	NE	4102	27	F	66	169.00	1	24.3	66	1250	610	30	540	2	33.00	HOF
164 07		79 129	13 570							1.35	1								0.05	
164 08		79 120	13 550							1.60	1								0.07	
164 09		79 107	13 550							2.85	1								0.17	
164 10	JOHANBREEN	79 090	13 560	N	NE	5122	27	F	66	12.50	1	8.9	66	1100	560	100	540	1	1.40	
164 11	ELNABREEN	79 070	14 060	NE	N	4253	70	F	66	26.50	1	14.8	66	1050	700	170	560	1	3.50	HOF MS
164 12	RUNEBREEN NW	79 117	14 090							1.35	1								0.05	
164 13	RUNEBREEN SE	79 109	14 125							1.50	1								0.06	2
164 14		79 100	14 150							2.00	1								0.10	
164 15		79 092	14 175							3.20	1								0.20	

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
164 16		79 100	14 255							3.50	1								0.23	4
164 17	ABRAHAMSENBREEN	79 045	14 150	NE	NE	4107	77	F	66	107.00	1	19.8	80	1150	680	70	600	2	19.00	HOF S
164 18		79 084	14 460	SW	W	5302	27	F	66	8.20	1	7.0	66	1200	910	300	700	2	0.77	
164 19		79 098	14 435							3.20	1								0.20	
164 20		79 109	14 435							1.55	1								0.06	
164 21	GINNUNGAGAP	79 127	14 440	W	W	5102	27	F	66	11.20	1	7.1	66	1250	900	220	720	2	1.20	
164 22		79 145	14 355	SW	SW	5102	27	F	66	7.70	1	5.6	66	1200	850	330	720	2	0.71	
164 23		79 154	14 315							1.25	1								0.04	
164 24		79 155	14 255							1.05	1								0.03	
164 25		79 158	14 160							1.70	1								0.07	
164 26		79 167	14 310	NW	NW	5107	27	F	66	12.10	1	6.7	69	1250	740	250	600	2	1.30	S
164 27		79 175	14 315							4.60	1								0.35	
164 28		79 223	14 180							1.50	1								0.06	
164 29		79 215	14 265	NE	NE	5102	27	F	69	7.30	1	4.7	69	1300	850	400	790	2	0.66	
164 30		79 218	14 365	NW	NW	5102	27	F	69	10.50	1	6.0	69	1200	860	300	680	2	1.10	
164 31		79 244	14 300							2.10	1								0.10	
164 32	HOVBREEN	79 259	14 265							2.80	1								0.17	
164 33		79 272	14 265							1.05	1								0.03	
164 34		79 283	14 275							1.65	1								0.07	
164 35		79 291	14 225							1.30	1								0.04	

40 glaciers < 1 km^2 A= 16.70 km^2

5 ANDREE LAND NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
165 01		79 318	14 025							1.50	1								0.06	
165 02		79 317	14 055							1.10	1								0.03	
165 03		79 313	14 075							1.35	1								0.05	
165 04		79 300	14 245							4.40	1								0.33	
165 05		79 312	14 280							4.95	1								0.39	

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
165 06		79 325	14 290							3.00	1								0.18	
165 07	GEORGBREEN	79 371	14 285	NW	N	5103	70	F	66	8.10	1	7.2	66	950	520	100	440	2	0.76	
165 08	ERSTBREEN	79 350	14 280							1.75	1								0.08	
165 09	OTTOBREEN	79 365	14 305	N	NW	5103	70	F	66	7.00	1	4.6	66	700	460	150	350	2	0.62	
165 10		79 379	14 340							4.10	1								0.30	
165 11	MORITZBREEN	79 393	14 275							1.65	1								0.07	
165 12	BYBREEN	79 416	14 270							2.50	1								0.14	
165 13	UGLEBREEN	79 418	14 325							2.55	1								0.14	
165 14	GARMBREEN	79 450	14 335							2.95	1								0.18	

13 glaciers < 1 km^2 A= 5.35 km^2

6 ANDREE LAND NE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
166 01	BALBERGBREEN	79 445	14 400	NE	N	5103	70	F	66	5.40	1	4.1	66	600	310	90	230	1	0.44	
166 02		79 426	14 390							1.15	1								0.03	
166 03	LANDBREEN	79 410	14 335							4.40	1								0.33	
166 04	VOGTBREEN	79 394	14 375	N	NE	5153	70	F	66	12.10	1	5.5	66	650	420	100	280	1	1.30	
166 05	SVARTDALSBREEN	79 404	14 500							2.05	1								0.10	
166 06		79 397	14 490							1.20	1								0.04	
166 07		79 390	14 470							2.00	1								0.10	
166 08		79 378	14 470							1.75	1								0.08	
166 09		79 370	14 405	SE	SE	5103	70	F	66	5.00	1	3.1	66	720	480	200	370	1	0.39	
166 10		79 348	14 380	NE	NE	5103	70	F	66	11.70	1	6.7	66	900	570	170	450	1	1.20	

N 4W1 SPITSBERGEN — 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
166 11		79 363	14 550							1.05	1								0.03	
166 12	SKAUGUMBREEN	79 328	14 445	E	NE	5103	70	F	66	10.40	1	7.1	66	950	620	210	500	1	1.10	
166 13		79 317	14 380	SE	SE	5103	70	F	66	5.10	1	4.0	66	1100	650	400	620	2	0.40	
166 14		79 295	14 325							3.30	1								0.21	
166 15		79 288	14 370							3.30	1								0.21	
166 16		79 273	14 330							2.40	1								0.13	
166 17		79 255	14 320							3.55	1								0.24	
166 18	FORKBREEN	79 240	14 385	N	N	5103	70	F	66	12.30	1	5.3	66	1050	870	450	700	2	1.30	
166 19		79 260	14 450							3.60	1								0.24	
166 20		79 280	14 525							1.20	1								0.04	
166 21		79 265	14 525							2.25	1								0.12	
166 22		79 250	14 550	E	NE	5103	70	F	66	5.80	1	6.4	66	1200	850	440	670	2	0.48	

32 glaciers $< 1\ km^2$ A= $14.85\ km^2$

7 ANDREE LAND SE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
167 01		79 228	15 080							1.70	2								0.07	
167 02		79 238	15 015							1.00	2								0.02	
167 03	ANNE-MARIEBREEN	79 235	14 560	E	SE	5102	27	F	69	9.50	1	7.0	69	1200	880	400	720	2	0.94	
167 04		79 220	14 535							1.75	1								0.08	
167 05		79 217	14 465							2.50	1								0.14	
167 06		79 212	14 425							1.05	1								0.03	
167 07		79 197	14 420	NE	NE	5102	27	F	69	14.30	1	7.2	69	1250	880	320	720	2	1.60	
167 08		79 195	14 510							1.30	1								0.04	
167 09		79 182	14 530							4.50	1								0.34	
167 10	EDDABREEN	79 160	14 500	E	NE	5102	27	F	69	23.00	1	8.6	69	1250	890	300	760	2	2.90	

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
167 11		79 152	14 595							2.90	1								0.17	
167 12	BINNEBREEN	79 167	15 120	NE	E	5103	70	F	69	5.50	1	4.7	69	1100	850	500	750	2	0.45	
167 13		79 152	15 170							3.80	2								0.26	
167 14		79 146	15 220							3.15	2								0.20	
167 15		79 153	15 265							1.35	2								0.05	
167 16		79 150	15 075							4.45	2								0.33	
167 17	UGGBREEN	79 140	15 010	E	E	5202	27	F	69	9.60	1	7.3	69	1200	800	400	760	2	0.96	
167 18		79 125	15 100							3.20	2								0.20	
167 19		79 126	15 310							1.00	2								0.02	
167 20		79 117	15 250							4.60	2								0.35	
167 21		79 130	15 010							1.20	2								0.04	
167 22	BELSHORNBREEN	79 095	15 010	NE	E	4153	70	F	69	40.60	1	12.1	69	1300	860	300	780	2	6.00	
167 23		79 095	15 145							1.10	2								0.03	
167 24	BUKKEBREEN	79 075	15 070	E	E	5102	27	F	69	10.80	1	8.8	69	1250	650	340	560	2	1.10	
167 25	YGGBREEN	79 067	15 200	NE	E	5102	27	F	60	13.50	1	10.1	60	1150	600	100	550	2	1.50	
167 26		79 055	15 300							1.55	2								0.06	
167 27	ANGELBREEN	79 043	15 225	E	E	5102	27	F	60	7.10	1	7.1	60	880	590	150	530	2	0.64	
167 28	SKRUKKEBREEN	79 030	15 205							2.45	2								0.13	
167 29		79 037	15 125							1.25	2								0.04	
167 30	LISBETBREEN	79 038	15 000	S	SE	5153	77	F	69	67.70	1	21.5	69	1250	630	130	560	2	11.00	
167 31	UNIVERSITETSBR	78 587	15 240	SE	NE	5152	27	F	60	25.30	1	12.4	60	900	510	150	400	2	3.30	2
167 32	HODSBREEN	78 593	15 320							2.65	2								0.15	
167 33		79 008	15 400							3.45	2								0.23	

28 glaciers < 1 km^2 A= 12.20 km^2

N 4W1 SPITSBERGEN — 6 WOOD-/ WIJDEFJORDEN — 8 AUSTFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
168 01		79 016	15 505							2.80	2								0.17	
168 02		79 000	15 400							2.70	2								0.16	
168 03	ARBOBREEN	78 587	15 400							2.80	2								0.17	
168 04	HØEGDALSBREEN	78 575	15 430	NE	NE	5152	27	F	60	11.10	1	7.0	60	950	540	220	500	2	1.20	
168 05	MANNBREEN	78 568	15 510	N	N	5303	70	F	60	5.40	1	4.0	60	950	660	250	470	2	0.44	
168 06	PURPURBREEN	78 573	15 560							2.40	2								0.13	
168 07	KASTELLBREEN	78 582	16 000							1.00	2								0.02	
168 08		78 575	16 000							2.10	2								0.10	
168 09	SKRÅBREEN	78 554	15 470							1.70	2								0.07	
168 10	VASSKILBREEN,NOR	78 545	15 405							3.40	2								0.22	
168 11	VASSKILBREEN,SØR	78 530	15 380	N	NE	5302	27	F	60	6.30	1	5.5	60	850	350	150	300	2	0.54	2
168 12	DELBREEN	78 527	15 475							4.10	2								0.30	
168 13		75 521	15 555							2.00	2								0.10	
168 14		78 519	15 575							2.30	2								0.12	
168 15	GYLDENBREEN	78 516	16 055							3.85	2								0.27	
168 16	MANCHESTERBREEN	78 487	16 045	N	N	5123	70	F	60	19.00	1	5.8	60	750	400	220	370	2	2.30	
168 17	SOUTHAMPTONBREEN	78 486	16 095							3.50	1								0.23	
168 18	CAMBRIDGEBREEN	78 487	16 210	NW	NW	5102	22	F	66	23.20	1	7.7	60	800	510	100	320	2	3.00	
168 19		78 465	16 325							1.80	2								0.08	
168 20	MITTAG-LEFFLERBR	78 480	16 550	SW	NW	4142	22	F	61	360.00	1	33.1	80	1250	760	0	520	2	90.00	LOF M+
168 21	ESKOLABREEN	78 548	16 430	SW	W	4302	27	F	61	12.60	2	8.1	61	1200	890	150	Y580	2	1.40	
168 22	STUBENDORFFBREEN	79 000	16 500	SW	W	5142	27	F	61	100.00	1	25.6	80	1300	820	0	600	2	18.00	M
168 23		79 002	16 305							1.15	2								0.03	
168 24	SMUTSBREEN	79 024	16 370	W	W	5102	27	F	61	35.10	1	14.0	61	1300	740	100	600	2	5.00	
168 25		79 033	16 315							1.15	2								0.03	

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
168 26		79 037	16 265							1.25	2								0.04	
168 27	SANDERBREEN	79 052	16 310	NW	NW	5253	70	F	61	6.70	1	7.3	61	1000	640	120	580	2	0.59	
168 28	PAGETBREEN	79 057	16 145							1.85	2								0.08	
168 29	TRYGGVEBREEN	79 070	16 360	W	W	5152	27	F	61	33.30	1	12.0	61	1300	820	100	720	2	4.70	
168 30		79 075	16 235							1.30	2								0.04	
168 31		79 084	16 230	SW	W	5102	27	F	60	5.20	2	4.6	60	1340	800	250	Y620	2	0.41	
168 32		79 000	16 220							3.20	2								0.20	
168 33	PLANCKBREEN	79 103	16 275	N	NW	5103	70	F	61	10.50	1	6.6	60	1340	890	220	Y630	2	1.10	
168 34		79 106	16 345							3.25	2								0.21	
168 35	REINBUKKBREEN	79 120	16 390	N	W	4102	27	F	61	37.70	1	13.2	61	1700	1070	210	Y640	2	5.50	
168 36		79 138	16 385							3.25	3								0.21	
168 37		79 140	16 300			3330	70	F	61	2.95	2		61	1250	1120	550	1100	2	0.18	2

19 glaciers $< 1\ km^2$ A= 6.15 km^2

9 NY FRIESLAND W

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
169 01	COOKBREEN	79 155	16 370	W	W	4302	27	F	61	32.20	1	14.0	61	1200	880	180	Y740	2	5.50	ÅSF M+
169 02	RINGHORNBREEN	79 192	16 350	W	W	4301	27	F	61	80.00	1	14.0	61	1200	1000	180	Y640	2	14.00	ÅSF
169 03	MUSPELLVIDDA SW	79 240	16 220	W	W	0200	27	F	60	73.40	1	15.4	60	1050	910	300	Y620	2	12.00	ÅSF *4
169 04	MUSPELLVIDDA W	79 260	16 140	W	W	0303	70	F	60	13.00	2	5.2	60	930	750	400	Y570	2	1.40	ÅSF *
169 05	MUSPELLVIDDA NW	79 274	16 100	W	W	4202	27	F	60	7.30	2	5.1	60	920	840	400	Y500	2	0.66	ÅSF
169 06	SØRBREEN	79 280	16 200	NW	NW	4302	22	F	61	106.00	1	21.2	80	1050	820	0	Y600	2	19.00	ÅSF M
169 07	MIDTBREEN	79 320	16 200	W	W	4342	22	F	61	83.00	1	20.6	80	1000	850	0	Y620	2	14.00	ÅSF
169 08	FENRISULVBREEN	79 350	16 110	W	W	4303	70	F	61	33.50	2	16.5	60	940	810	50	Y410	2	4.70	ÅSF
169 09	NORDBREEN	79 380	16 100	NW	W	4342	22	F	60	86.00	1	22.0	80	930	720	0	Y450	2	15.00	ÅSF
169 10	ÅSGÅRDSFONNA NW	79 450	16 200	NW	NW	0304	70	F	60	103.00	1	20.0	60	850	600	90	Y450	2	18.00	ÅSF *3S

N 4W1 SPITSBERGEN 6 WOOD-/ WIJDEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
169 11	TÅBREEN	79 475	16 300	N	N	4303	70	F	61	21.00	1	11.3	61	640	500	170	400	2	2.60	ÅSF 2
169 12		79 173	16 240							1.35	2								0.05	
169 13		79 363	16 015							3.90	3								0.27	
169 14		79 372	15 590							1.15	3								0.03	
169 15		79 502	16 000							2.55	3								0.14	
169 16	KRONGLEISEN	79 483	16 200	W	W	2000	00	F	60	7.80	2	5.3	60	520	390	300	X400	2	0.73	2
169 17		79 490	16 295							1.30	3								0.04	
169 18	HEIFONNA	79 535	16 280	NE	NE	2000	00	F	61	18.20	2	3.0	61	380	250	90	X250	2	2.20	2
169 19	FLÅISEN	79 564	16 200	NE	NE	3300	00	F	60	18.00	2	2.6	60	370	320	90	X250	2	2.20	2

12 glaciers < 1 km^2 A= 2.85 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
161	RAUDFJORDEN	521	37	191	36.6	383	267	23
162	LIEFDEFJORDEN	900	23	538	59.7	578	370	105
163	BOCKFJORDEN	405	17	197	48.7	576	448	29
164	WOODFJORDEN S	1118	75	441	39.4	673	582	66
165	ANDREE LAND NW	278	27	52	18.8	537	398	3
166	ANDREE LAND NE	492	54	116	23.5	616	481	9
167	ANDREE LAND SE	925	61	291	31.5	724	630	34
168	AUSTFJORDEN	1360	56	728	53.5	767	546	137
169	NY FRIESLAND W	1598	31	696	43.5	768	536	113
16	WOOD-/ WIJDEFJORDEN	7597	381	3250	42.8	680	500	519

1 NY FRIESLAND NE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
171 01	DUNÉRBREEN	79 470	16 490	N	N	4223	70	F	70	260.00	1	29.5	70	920	650	70	350	2	54.00	ÅSF
171 02	KLUFTBREEN	79 493	17 120	N	N	4200	20	F	66	14.80	2	7.0	66	520	350	190	X300	2	1.70	
171 03		79 528	17 060	N	N	7700	00	F	71	8.00	2	2.5	71	450	350	90	X300	2	0.75	3
171 04	REINBOGBREEN	79 525	17 125							3.75	3								0.26	
171 05	VALHALLFONNA E	79 440	17 370	E	E	0340	42	F	66	310.00	1	17.5	80	850	350	0	X350	3	66.00	ÅSF *6M

7 glaciers < 1 km^2 A= 3.65 km^2

2 LOMFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
172 01	RIMFAKSEBREEN	79 370	17 360	SE	SE	4323	77	F	66	35.50	1	11.3	66	840	550	50	430	2	5.10	ÅSF
172 02	GULLFAKSEBREEN	79 330	17 100	SE	E	4103	77	F	66	93.00	1	21.0	66	970	800	50	Y520	2	16.00	ÅSF
172 03	SKINFAKSEBREEN	79 290	17 050	E	E	4303	70	F	66	163.00	2	27.0	66	1100	900	100	Y600	2	31.00	ÅSF 6
172 04		79 286	17 300							1.45	4								0.05	
172 05	BIVRASTFONNA	79 260	17 140	SE	E	3302	27	F	66	30.60	1	3.5	66	750	700	200	X700	2	4.20	2
172 06	VETERANEN	79 100	17 190	NE	N	5103	70	F	66	300.00	1	44.0	80	1500	800	90	750	2	84.00	M
172 07	VASSBREEN	79 181	17 320	NE	N	5142	20	F	66	6.80	2	3.5	66	950	700	300	500	3	0.60	3
172 08	KANTBREEN	79 200	17 520	NW	NW	4340	70	F	66	153.00	1	21.0	66	1100	700	0	Y350	2	29.00	BAF 2M
172 09	BALDERFONNA NW	79 247	18 190	N	N	0303	20	F	70	49.00	2	6.5	70	700	450	170	X450	2	7.50	BAF *M
172 10	BALDERFONNA N	79 276	18 335	N	NW	4122	70	J	70	8.50	1	4.2	71	450	350	100	300	2	0.82	BAF
172 11		79 280	18 410	N	NW	4303	70	J	70	5.35	1	4.0	71	420	350	80	300	2	0.43	
172 12	TORSFONNA SW	79 288	18 120	SW	SW	0303	20	F	70	25.00	2	4.5	66	650	550	350	X550	2	3.30	*M
172 13	FRØYABREEN	79 327	18 130	NW	NW	4302	27	F	70	23.20	2	8.0	70	650	450	30	300	2	3.00	
172 14	ODINJØKULEN N	79 345	18 210	NE	NE	0302	27	F	70	46.60	2	6.0	70	650	400	0	X250	2	7.10	*4M
172 15	TOMMELBREEN	79 300	18 320	E	E	4242	20	F	70	63.00	1	9.0	80	650	250	0	X250	2	10.00	2

14 glaciers < 1 km^2 A= 4.60 km^2

N 4W1 SPITSBERGEN 7 SPITSBERGEN NE

3 OLAV V LAND NW

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
173 01	RELIKTBREEN	79 262	18 440	E	E	4342	27	F	70	19.00	1	7.0	80	450	370	0	220	2	2.30	BAF
173 02	SVEN LUDVIGBREEN	79 232	18 440	E	E	4342	22	F	70	46.30	2	10.5	80	630	440	0	200	2	7.00	BAF
173 03	HØDBREEN	79 215	18 450	E	E	4242	22	F	70	10.00	2	5.0	80	470	350	0	180	2	1.00	BAF
173 04		79 198	18 460							4.35	3								0.32	BAF
173 05	KOSTERBREEN	79 190	18 400	E	SE	4242	22	F	70	47.00	2	11.5	80	700	480	0	230	2	7.10	BAF S
173 06	BALDERFONNA E	79 175	18 400	SE	SE	0302	27	F	70	7.10	2	4.4	70	520	400	60	X400	2	0.64	BAF *
173 07	CHYDENIUSBREEN	79 120	18 000	NE	NE	4141	22	F	69	340.00	1	39.5	80	1500	850	0	480	2	74.00	
173 08	POLARISBREEN	79 115	18 270	NE	N	4141	22	F	69	125.00	1	21.0	80	1050	650	0	350	2	23.00	URF
173 09	LODERBREEN	79 121	18 465	E	E	5342	20	F	70	25.40	1	6.5	80	620	350	0	200	2	3.40	
173 10	HINLOPENBREEN	79 000	19 000	E	N	4147	22	F	69	1250.00	1	68.5	80	1600	700	0	390	2	330.00	OIF S

2 glaciers < 1 km^2 A= 0.70 km^2

4 OLAV V LAND NE

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
174 01	VAIGATTBREEN	79 070	19 300	NE	NE	4341	20	I	70	74.00	1	10.8	80	630	280	0	X200	2	12.00	OIF
174 02		79 028	19 390	E	NE	4342	22	I	70	73.00	1	12.0	80	630	350	0	Y200	2	12.00	OIF 2S
174 03	ROONBREEN	79 005	19 240	NE	E	4341	42	I	70	37.00	2	7.5	80	550	350	0	Y180	2	5.30	OIF
174 04	MOLTKEBREEN	78 570	19 520	E	NE	4342	20	F	70	60.50	1	10.0	80	550	250	0	X210	2	9.70	OIF
174 05		78 580	20 130	E	NE	3342	20	J	70	14.90	1	3.0	80	380	230	0	200	2	1.70	3
174 06	HOCHSTATTERBREEN	78 530	20 120	NE	NE	4342	42	F	69	580.00	1	37.5	80	620	350	0	X300	2	140.00	OIF S
174 07		78 500	20 570	N	NE	4342	42	I	70	68.00	1	10.7	80	600	260	0	X250	2	11.00	OIF
174 08	KORISTKABREEN	78 490	21 140	NE	NE	4341	20	I	70	50.00	1	13.0	80	550	300	0	Y200	2	7.70	OIF
174 09	HANNBREEN	78 454	21 180	E	E	4341	20	I	70	41.00	1	12.8	80	550	320	0	250	2	6.10	OIF
174 10		78 431	21 150							3.00	3								0.18	OIF
174 11		79 040	20 290	W	S	3303	77	F	70	43.20	1	4.0	70	500	350	100	X300	2	6.40	3

6 glaciers < 1 km^2 A= 1.35 km^2

N 4W1 SPITSBERGEN 7 SPITSBERGEN NE

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
171	NY FRIESLAND NE	826	12	600	72.7	483	348	123
172	LOMFJORDEN	1558	29	1009	64.7	698	538	203
173	OLAV V LAND NW	2183	12	1875	85.9	701	390	444
174	OLAV V LAND NE	1277	17	1046	81.9	329	265	209
17	SPITSBERGEN NE	5844	70	4530	77.5	586	389	979

TOTAL 4W1 SPITSBERGEN

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
11	SPITSBERGEN SE	4319	114	3079	71.3	359	314	571
12	SPITSBERGEN S	3242	96	2207	68.1	306	260	422
13	BELLSUND	5416	330	2582	47.7	461	388	430
14	ISFJORDEN	7309	400	2894	39.6	543	420	445
15	SPITSBERGEN NW	5443	228	3263	59.9	478	423	533
16	WOOD-/ WIJDEFJORDEN	7597	381	3250	42.8	680	500	519
17	SPITSBERGEN NE	5844	70	4530	77.5	586	389	979
1	SPITSBERGEN	39170	1619	21805	55.0	501	389	3899

N 4W2 NORDAUSTLANDET 1 NORDAUSTLANDET S

1 NORDAUSTLANDET S

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
211 01	STORØYJØKULEN	80 005	28 050	E	E	3344	00	F	77	29.10	1	3.2	77	240	140	0	X100	1	4.00	
211 02	WORSLEYBREEN	80 000	26 502	E	E	4340	20	F	77	101.14	1	16.3	77	500	280	0	X300	3	18.00	AUF
211 03		79 553	26 453	E	E	4340	20	F	77	71.00	1	15.2	77	500	330	0	X300	3	12.00	AUF
211 04		79 524	26 343	SE	E	4340	20	F	77	248.55	1	23.0	77	600	330	0	X300	3	51.00	AUF
211 05		79 491	26 204	SE	SE	4340	20	F	77	176.74	1	22.0	77	600	375	0	X300	3	35.00	AUF
211 06		79 452	25 344	SE	SE	4340		N	80	670.73	1	33.0		740	490	0			160.00	AUF M
211 07		79 362	25 180	SE	SE	4340	00	N	80	242.93	1	25.0	80	650	380	0	X400	3	50.00	AUF
211 08		79 335	24 325	S	SE	4340	00	N	80	1271.14	1	60.0	80	770	440	0	X400	3	330.00	AUF S
211 09		79 223	24 282	S	S	0340	00	N	80	232.80	1	18.5	80	410	250	0	X400	3	48.00	AUF *
211 10	BRÅSVELLBREEN	79 252	23 350	S	S	4341	10	N	80	1111.39	1	45.0	80	670	325	0	X350	3	280.00	AUF MS
211 11		79 324	22 125	S	S	0203	10	F	70	352.35	1	12.5	80	630	380	0	X400	3	77.00	AUF *
211 12	ROSENTHALBREEN	79 252	21 234	SE	SE	4303	10	F	69	95.85	1	11.0	80	470	330	0	X350	2	17.00	VGF
211 13	MARIEBREEN	79 254	21 564	SW	W	4342	10	F	69	81.38	1	9.5	80	470	330	0	X350	2	14.00	VGF
211 14	GLITNEFONNA SW	79 291	20 101	SE	SE	4303	00	F	69	93.60	1	8.0	80	450	320	0	X300	2	16.00	GLF 2

16 glaciers < 1 km^2 A= 4.15 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
211		5194	30	4785	92.1	365	365	1120
21	NORDAUSTLANDET SE	5194	30	4785	92.1	365	365	1120

N 4W2 NORDAUSTLANDET 2 NORDAUSTLANDET W

1 PALANDERBUKTA

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
221 01	GLITNEFONNA NE	79 325	20 154	N	N	4340	00	F	69	79.65	1	5.6	80	450	300	0	X250	2	13.00	GLF 3S
221 02	PALANDERBREEN	79 301	20 560	NW	N	4307	10	F	69	60.30	1	9.5	80	470	320	0	X300	2	9.60	VGF 2S
221 03	ERICABREEN	79 301	21 152	N	N	4302	10	F	69	54.08	1	8.5	80	470	320	0	X300	2	8.50	VGF
221 04		79 352	21 222	SW	SW	0203	10	F	70	169.65	1	12.0	80	570	350	0	X400	3	33.00	AUF *5
221 05	U/ ZEIPELFJ E	79 379	20 410							1.20	3								0.04	

3 glaciers < 1 km^2 A= 1.90 km^2

2 WAHLENBERGFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
222 01		79 393	21 204	N	N	0303	20	F	69	65.70	1	8.0	80	500	300	0	X300	2	11.00	AUF *4
222 02		79 376	21 501	NW	NW	4341	22	F	70	142.88	1	14.5	80	560	325	0	X350	3	27.00	AUF
222 03	ETONBREEN	79 395	22 376	W	W	4341	22	F	70	664.20	1	42.0	80	680	420	0	X350	3	160.00	AUF 2S
222 04	WINSNESBREEN	79 483	22 583	W	W	0301	22	F	70	300.15	1	33.0	80	770	570	150	X350	3	64.00	AUF *2
222 05		79 523	21 516	S	S	0300	20	F	77	55.60	1	10.0	80	525	420	190	X450	2	8.80	VEF *2
222 06	BODLEYBREEN	79 525	21 303	S	S	4347	20	F	77	92.00	1	15.5	80	610	360	0	X450	2	16.00	VEF S
222 07	ELTONBREEN	79 524	21 102	S	S	0300	20	F	77	82.70	1	16.8	80	620	420	180	X450	2	14.00	VEF *2
222 08	ALDOUSBREEN	79 530	20 531	S	S	4342	22	F	77	126.00	1	21.0	80	620	375	0	X400	2	23.00	VEF
222 09	FRAZERBREEN	79 526	20 293	S	S	4342	22	F	77	220.90	1	22.5	80	620	330	0	X350	2	45.00	VEF
222 10	IDUNBREEN	79 515	19 482	S	S	4342	22	F	77	323.20	1	25.4	80	610	360	0	X300	2	70.00	VEF 2
222 11	BRAGEBREEN	79 491	19 141	S	S	4342	22	F	77	106.70	1	14.5	80	450	310	0	X300	2	19.00	
222 12	GIMLEBREEN	79 472	18 514	S	S	4342	25	F	77	70.80	1	10.5	80	350	170	0	X250	2	12.00	VEF 2
222 13	U/ IDUNFJ S	79 453	20 020							1.20	3								0.04	

11 glaciers < 1 km^2 A= 5.65 km^2

N 4W2 NORDAUSTLANDET 2 NORDAUSTLANDET W

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
221	PALANDERBUKTA	493	8	367	74.4	331	336	65
222	WHALENBERGFJORDEN	2500	24	2258	90.3	395	349	468
22	NORDAUSTLANDET W	2993	32	2625	87.7	386	347	533

N 4W2 NORDAUSTLANDET 3 NORDAUSTLANDET NW

1 MURCHISONFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
231 01		79 514	18 473	W	W	0303	10	F	70	30.70	1	8.5	80	410	275	140	X350	2	4.20	VEF *
231 02		79 552	19 141	W	W	0300	00	F	70	78.45	1	7.5	70	510	370	150	X230	1	13.00	VEF *
231 03	FORSIUSBREEN	79 503	18 273							7.15	2								0.64	
231 04	BACKABREEN	79 531	18 432							6.55	2								0.57	
231 05	U/BACKABREEN W	79 520	18 330							4.50	3								0.34	
231 06	U/CELSIUSBGT E	80 003	18 560							1.50	3								0.06	

23 glaciers < 1 km^2 A= 5.00 km^2

2 LADY FRANKLINFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
232 01	DE GEER FONNA	80 006	19 120	S	SE	3300	00	F	70	5.75	1	4.6	70	350	250	180	X250	1	0.48	2
232 02		79 594	19 441	W	W	0303	10	F	70	133.50	1	14.5	80	620	425	100	X350	2	25.00	VEF *
232 03	S FRANKLINBREEN	80 023	20 195	W	W	4342	27	F	70	284.00	1	34.0	80	610	450	0	300	2	60.00	VEF S
232 04	N FRANKLINBREEN	80 071	20 014	W	W	4342	27	F	70	148.50	1	22.5	80	510	380	0	300	2	28.00	VEF 2
232 05	U/DONCKERFJ W	80 023	19 170							2.40	3								0.13	

45 glaciers < 1 km^2 A= 9.70 km^2

N 4W2 NORDAUSTLANDET 3 NORDAUSTLANDET NW

3 BRENNEVINSFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
233 01		80 113	20 011	W	W	0303	40	F	70	34.60	1	9.0	69	520	440	230	X450	2	4.90	VEF *2
233 02		80 163	20 051	N	N	0303	40	F	70	13.20	1	3.0	69	460	290	190	X450	2	1.50	VEF *2
233 03	U/FRANKLINFJ E	80 040	19 150							3.90	3								0.27	
233 04	SNØTOPPBREEN	80 248	19 330							4.00	3								0.28	

24 glaciers < 1 km^2 A= 6.15 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
231	MURCHISONFJORDEN	581	29	134	23.0	347	264	19
232	LADY FRANKLINFJORDEN	970	50	584	60.2	425	311	114
233	BRENNEVINSFJORDEN	285	28	62	21.7	407	450	7
23	NORDAUSTLANDET NW	1836	107	780	42.5	412	313	140

1 LAPONIAHALVØYA E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
241 01	LINDHAGENBREEN	80 134	20 085	NW	NE	0303	40	F	70	38.90	1	12.0	69	600	350	90	X450	2	5.70	VEF *2
241 02		80 130	20 272	N	N	0303	40	F	70	38.10	1	9.0	69	600	450	240	X450	2	5.50	VEF *
241 03	SABINEBREEN	80 102	20 374	NE	NE	4343	70	F	69	52.90	1	10.0	80	570	350	0	350	2	8.30	VEF
241 04	MAUDBREEN	80 071	21 022	NE	N	4323	70	F	69	142.35	1	17.0	69	570	350	50	350	2	27.00	VEF 2
241 05	VÅGSBREEN	80 282	19 440							1.10	3								0.03	
241 06	U/LAPONIAFJ N	80 276	19 470							1.60	3								0.07	
241 07	U/LAPONIAFJ S	80 259	19 470							2.50	3								0.14	
241 08	U/KJETTA W	80 244	19 540							4.90	3								0.38	
241 09	MIKKEL REVBREEN	80 225	20 070							3.20	3								0.20	
241 10	U/RAVEDALEN S	80 200	20 190							2.50	3								0.14	

4 glaciers < 1 km^2 A= 1.60 km^2

2 RIJPFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
242 01	RIJPBREEN	80 035	21 130	NE	E	4340	40	F	70	231.50	1	20.5	80	620	425	0	400	2	47.00	VEF 2S
242 02		80 011	21 524	E	E	0303	10	F	70	151.20	1	13.0	80	610	450	140	X450	2	29.00	VEF *
242 03		79 545	23 061	NW	NW	0303	10	F	77	94.95	1	10.0	77	700	550	220	X450	3	17.00	AUF *
242 04	AHLMANNFONNA W	80 070	22 390	W	W	3300	22	F	69	15.00	1	4.3	69	430	340	30	X320	2	1.70	
242 05	U /NORDENSK VA E	80 228	22 290	S	S	3300	00	F	69	7.00	3	3.0	69	420	280	100	X270	2	0.62	2
242 06	U/COXFJELLET E	80 212	22 500							2.00	3								0.10	
242 07	U /FLYSJØEN NE	79 520	22 300							2.30	3								0.12	

8 glaciers < 1 km^2 A= 2.50 km^2

N 4W2 NORDAUSTLANDET 4 NORDAUSTLANDET N

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
241	LAPONIAHALVØYA E	643	14	290	45.0	365	378	47
242	RIJPFJORDEN	1316	15	506	38.5	452	420	96
24	NORDAUSTLANDET N	1959	29	796	40.6	421	405	143

N 4W2 NORDAUSTLANDET 5 NORDAUSTLANDET NE

1 DUVEFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
251 01	U /PLATENH ØYA N	80 253	23 100	SE	E	2203	70	F	69	11.20	1	2.5	69	400	330	10	280	2	1.20	3
251 02	U /COXFJELLET E	80 212	22 500							2.30	3								0.12	
251 03	U /WRIGHTTPN NW	80 173	23 030	E	E	7700	01	F	69	6.30	1	1.5	69	200	170	150	X180	1	0.54	
251 04	AHLMANNFONNA E	80 070	22 390	W	W	3300	22	F	69	15.00	1	4.3	69	430	340	30	X320	2	1.70	
251 05		79 575	23 192	N	N	4303	10	F	77	373.70	1	30.0	77	770	600	0	X450	3	82.00	AUF
251 06	DUVEBREEN	80 001	24 171	N	NW	4303	10	F	77	334.00	1	40.0	77	760	550	0	X450	3	72.00	AUF

2 glaciers < 1 km^2 A= 1.10 km^2

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
252 01	SCHWEIGAARDBREEN	80 024	24 471	N	N	4343	10	F	77	473.30	1	45.0	77	740	500	0	X350	3	110.00	AUF 2
252 02	NILSENBREEN	80 024	25 111	N	N	4343	10	F	77	263.60	1	43.0	77	690	500	0	X350	3	55.00	AUF
252 03	SEXEBREEN	80 063	25 345	N	N	0343	10	F	77	79.80	2	15.0	77	520	350	80	X350	3	14.00	AUF *2
252 04	LEIGHBREEN	80 014	26 012	NE	NE	4340	10	F	77	715.40	1	47.0	77	680	440	0	X250	3	170.00	AUF

0 glaciers < 1 km^2

N 4W2 NORDAUSTLANDET 5 NORDAUSTLANDET NE

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
251	DUVEFJORDEN	1215	8	744	61.2	565	442	158
252		1800	4	1532	85.1	465	303	350
25	NORDAUSTLANDET NE	3015	12	2276	75.5	498	348	508

TOTAL 4W2 NORDAUSTLANDET

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
21	NORDAUSTLANDET SE	5194	30	4785	92.1	365	365	1120
22	NORDAUSTLANDET W	2993	32	2625	87.7	386	347	533
23	NORDAUSTLANDET NW	1836	107	780	42.5	412	313	140
24	NORDAUSTLANDET N	1959	29	796	40.6	421	405	143
25	NORDAUSTLANDET NE	3015	12	2276	75.5	498	348	508
2	NORDAUSTLANDET	14997	214	11262	75.0	406	356	2444

N 4W3 SVALBARD SE 1 EDGEØYA

1 TJUVFJORDEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
311 01	KVITKÅPA SW	77 232	22 522	W	W	4202	27	J	71	13.70	1	4.5	80	510	350	50	X350	2	1.50	KVK 3S
311 02		77 252	22 554	W	W	4202	27	J	71	10.50	1	4.0	71	410	330	70	X300	2	1.10	KVK
311 03		77 271	22 545	W	SW	4202	27	J	71	7.90	1	4.4	71	470	330	100	X300	2	0.73	KVK
311 04		77 282	23 043	NE	N	4202	27	J	71	11.80	1	6.0	71	470	225	50	X300	2	1.30	KVK
311 05		77 303	23 132	W	W	4301	27	J	71	13.35	1	6.2	80	360	300	40	300	2	1.50	EØJ
311 06	DELTABREEN	77 354	23 193	W	W	4201	27	J	71	186.70	1	17.6	80	420	210	0	300	2	37.00	EØJ
311 07		77 381	23 052							3.60	2								0.24	
311 08		77 385	23 023							2.85	2								0.17	
311 09		77 421	23 060	NW	W	4002		J	71	7.40	1	5.5	71	520	350	50	250	2	0.67	EØJ
311 10	GANDBREEN S	77 433	23 050	W	W	4320	77	J	71	39.15	1	12.5	71	460	250	25	250	2	5.70	EØJ
311 11	GANDBREEN N	77 450	23 020	W	W	4320	77	J	71	45.55	1	10.0	71	510	240	25	250	2	6.90	EØJ
311 12	SEIDBREEN	77 492	22 544	W	SW	4322	27	J	71	49.45	1	13.0	71	510	310	40	300	2	7.60	EØJ
311 13		77 495	22 491	W	W	4300		J	71	6.45	1	4.5	71	370	290	90	300	2	0.56	EØJ
311 14		77 515	22 473	W	SW	4303	27	J	71	25.15	1	7.5	71	400	270	50	300	2	3.30	EØJ
311 15		77 521	22 335	E	S	4302	00	J	71	7.00	1	4.0	71	350	250	100	X400	2	0.62	STS
311 16		77 513	22 225	SE	SE	4202		J	71	33.40	1	8.5	71	530	360	70	X400	2	4.70	STS
311 17		77 494	22 151	S	S	4102		J	71	7.65	1	5.0		430	330	100			0.70	STS
311 18		77 441	22 121							1.10	3								0.03	
311 19		77 423	22 084	NE	SE	4302	27	J	71	26.70	1	7.5	71	560	360	100	400	2	3.60	DGF 2
311 20	VEIDEBREEN	77 400	22 072	E	E	4302	27	J	71	47.15	1	14.5	71	560	330	40	400	2	7.20	DGF

N 4W3 SVALBARD SE 1 EDGEØYA

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
311 21		77 383	22 120							1.05	3								0.03	DGF
311 22	SKARVBREEN	77 364	22 073	E	E	4302	27	J	71	21.75	1	7.0	71	560	340	80	380	2	2.80	DGF
311 23		77 350	22 053							2.00	2								0.10	DGF
311 24		77 344	22 011	S	SW	4302		J	71	7.65	1	5.5		510	290	120	350	2	0.70	DGF
311 25	KUHRBREEN	77 370	21 510	S	S	4302	27	J	71	94.60	1	17.5	71	560	320	10	350	2	17.00	DGF
311 26		77 345	21 383							3.50	2								0.23	KVF
311 27		77 340	21 373							3.10	2								0.19	KVF
311 28	SKRENTBREEN	77 325	21 260	SE	SE	4301	27	J	71	28.60	1	7.2	71	570	320	20	300	2	3.90	KVF
311 29		77 313	21 265							2.35	2								0.12	KVF
311 30		77 305	21 261							1.20	2								0.04	KVF
311 31		77 311	21 217	SW	SW	4302	20	J	71	4.05	2	3.0	71	470	380	150	Y350	2	0.29	KVF 2
311 32		77 320	21 160	S	S	4302	20	J	71	7.00	1	5.0	71	460	370	120	Y350	2	0.62	KVF

13 glaciers < 1 km^2 A= 4.0 km^2

2 EDGEØYA W

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
312 01		77 314	21 100	SW	SW	4302	20	J	71	4.25	2	4.5	71	470	400	150	Y350	1	0.31	KVF
312 02		77 330	21 103	NW	NW	4302	20	J	71	2.85	2	4.0	71	470	390	90	Y350		0.17	KVF
312 03		77 341	21 182	W	W	4302	27	J	71	14.10	1	4.5	71	520	350	70	350	2	1.60	KVF 2
312 04		77 351	21 314	N	N	4202	27	J	71	13.90	1	4.0	71	570	320	100	300	2	1.60	KVF 2
312 05		77 362	21 360							1.05	2								0.03	DGF
312 06		77 381	21 394	W	W	4302		J	71	12.20	1	5.0		550	450	100	350	2	1.30	DGF 2
312 07		77 393	21 384							2.15	2								0.11	DGF
312 08		77 391	21 294							1.20	2								0.04	
312 09		77 404	21 392	NW	NW	4303	70	J	71	7.80	1	4.4	71	560	450	150	400	2	0.73	DGF 2
312 10	SCHWERDTBREEN	77 414	21 453	NW	NW	4303	70	J	71	13.50	1	5.8	71	570	450	140	400	2	1.50	DGF

N 4W3 SVALBARD SE 1 EDGEØYA

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
312 11	PHILIPPIBREEN	77 424	21 542	NW	NW	4302	27	J	71	19.85	1	6.7	71	560	420	100	430	2	2.50	DGF
312 12		77 435	22 012	N	N	4302	27	J	71	9.30	1	3.5	71	470	350	200	430	2	0.92	DGF
312 13		77 443	22 084							2.25	2								0.12	DGF
312 14		77 494	22 084							1.10	2								0.03	STS
312 15		77 525	22 104	SW	SW	4202	77	J	71	31.20	1	7.7	71	560	460	150	X400	2	4.30	STS 2
312 16		77 560	22 005	SW	SW	4302	77	J	71	13.40	1	5.8	71	570	520	100	X400	2	1.50	STS 3
312 17		77 575	21 555	SW	SW	4302		J	71	4.55	2	5.0	71	510	490	150	X400	2	0.34	STS
312 18		77 575	21 520							1.00	3								0.02	
312 19		77 584	22 035	NE	NE	4302		J	71	8.70	1	4.3	71	510	400	100	X400	2	0.84	STS
312 20	RAUNDALSFONNA S	78 032	22 162	S	S	4302		J	71	2.40	2	2.1	71	450	370	150	X350	1	0.13	
312 21		78 024	22 102							1.10	3								0.03	
312 22	BLÅISEN E	78 025	21 540	E	E	4302		J	71	6.80	1	4.0	71	470	420	200	X400	1	0.60	BLI 2
312 23	BLÅISEN S	78 013	21 476	SW	W	4302		J	71	9.30	1	4.0	71	470	360	100	X400	1	0.92	BLI
312 24		78 032	21 446							2.60	2								0.15	
312 25		78 062	21 400	S	S	4302		J	71	10.00	1	2.5	71	460	370	200	X370	1	1.00	KVL
312 26	KVITISEN E	78 045	21 343	NE	NE	4202		J	71	15.30	1	3.3	71	510	400	200	X400	1	1.80	KVL
312 27	KVITISEN SE	78 025	21 350	E	E	4302		J	71	5.40	1	4.5	71	570	420	100	X400	1	0.44	KVL S
312 28	KVITISEN S	78 020	21 323	S	S	4302		J	71	4.60	2	4.2	71	590	520	200	X400	1	0.35	KVL
312 29		78 005	21 223							1.20	3								0.04	
312 30		78 014	21 200							2.00	2								0.10	
312 31	KVITISEN W	78 035	21 292	W	W	4302		J	71	17.70	1	5.4	71	560	340	150	X400	1	2.10	KVL
312 32		78 042	21 153							1.50	2								0.06	
312 33		78 052	21 213							2.90	2								0.17	KVL
312 34		78 063	21 310	NW	NW	4302		J	71	7.90	1	2.1	71	420	320	150	X400	1	0.73	KVL 3

80 glaciers < 1 km^2 A= 19.80 km^2

N 4W3 SVALBARD SE 1 EDGEØYA

3 EDGEØYA E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
313 01		78 073	21 361	NW	NW	4302	27	J	71	3.75	2	3.6	71	420	340	100	X370	1	0.26	KVL
313 02		78 081	21 412	NW	NW	4202	27	J	71	14.00	1	5.1	71	460	330	100	X370	1	1.60	KVL 2
313 03	LANGJØKULEN N	78 095	21 472	N	NE	4302	27	J	71	6.40	1	3.0	71	390	350	100	X370	1	0.55	KVL 2
313 04		78 080	21 473	E	E	4302	27	J	71	11.45	1	3.0	71	460	390	100	X370	1	1.20	KVL 3
313 05	BLÅISEN N	78 035	21 521	N	N	4302	27	J	71	6.75	1	3.1	71	460	390	200	X400	1	0.59	BLI 2
313 06	BERGFONNA S	78 053	21 570	SW	SW	4302	27	J	71	8.60	1	3.5	71	450	350	100	X350	1	0.83	BEF 2S
313 07	BERGFONNA W	78 073	22 012	W	W	4322	27	J	71	7.10	1	3.4	71	420	310	80	X350	1	0.64	BEF 3
313 08	BERGFONNA E	78 071	22 050	E	E	4302	27	J	71	7.95	1	2.5	71	455	360	150	X350	1	0.74	BEF 4
313 09	RAUNDALSFONNA N	78 041	22 172	N	N	4302	27	J	71	6.55	1	3.5	71	450	370	150	X350	1	0.57	3
313 10	RAUNDALSFJELLA	78 030	22 212							5.37	1								0.43	
313 11		77 571	22 074	E	E	4302	77	J	71	19.10	1	5.5	71	560	420	180	X400	2	2.30	STS
313 12	MARSJØBREEN	77 553	22 155	NW	NW	4305		J	71	36.65	1	8.7		550	400	150	X400	2	5.30	STS S
313 13		77 545	22 251	NE	NE	4302	77	J	71	8.65	1	4.0	71	500	400	150	X400	2	0.83	STS
313 14		77 533	22 273	E	E	4302	77	J	71	18.30	1	8.0	71	530	410	150	X400	2	2.20	STS
313 15		77 532	22 490	NW	NW	4303	27	J	71	10.15	1	2.2	71	360	250	120	300	2	1.00	EØJ 2
313 16		77 550	22 513							1.60	2								0.07	
313 17	ALBRECHTBREEN	77 541	23 063	N	N	4220	27	J	71	87.05	1	11.7	71	460	260	25	300	2	15.00	EØJ 2
313 18	STONEBREEN	77 482	23 403	E	E	4312	20	J	71	711.75	1	33.5	80	510	250	0	X250	2	170.00	EØJ S
313 19	KONG JOHANS BRE	77 374	23 464	E	E	4312	20	J	71	106.80	1	16.0	80	460	180	0	200	2	19.00	EØJ S
313 20		77 375	23 443	E	E	4300	22	J	71	10.55	1	6.0	71	420	280	0	250	2	1.10	EØJ 2
313 21		77 325	23 354	SE	SE	4301	22	J	71	26.00	1	4.0	71	420	360	40	250	2	3.50	EØJ 3
313 22	PETTERSENBREEN	77 293	23 244	SE	SE	4303	22	J	71	29.20	1	7.0	71	410	200	0	250	2	4.00	EØJ S
313 23		77 280	23 204	SW	SW	4301	22	J	71	9.50	1	2.7	71	410	350	100	250	2	0.94	EØJ

N 4W3 SVALBARD SE 1 EDGEØYA

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
313 24		77 263	23 194							1.00	3								0.02	
313 25		77 281	23 095	N	N	4302	27	J	71	4.80	2	2.8	71	330	250	100	X300	2	0.37	KVK
313 26		77 271	23 050	NE	E	4302	27	J	71	3.80	2	1.9	71	460	330	180	X300	2	0.26	KVK
313 27		77 262	23 030							1.60	2								0.07	KVK
313 28		77 252	23 011	NE	NE	4302	27	J	71	3.10	2	2.1	71	430	340	200	X300	2	0.19	KVK
313 29		77 235	22 573	E	E	4302	27	J	71	6.00	1	1.8	71	410	280	150	X300	2	0.50	KVK
313 30	HARTMANNBREEN	77 215	22 572	SE	SE	4302	27	J	71	11.35	1	4.6	71	500	330	30	300	2	1.20	KVK 2
313 31		77 213	22 513	S	S	4302	27	J	71	6.45	1	1.5	71	470	400	100	X400	2	0.56	KVK 2

16 glaciers < 1 km^2 A= 4.65 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
311	TJUVFJORDEN	1471	45	723	49.2	283	321	111
312	EDGEØYA W	1286	114	275	21.4	410	389	27
313	EDGEØYA E	2403	47	1196	49.8	267	269	238
31	EDGEØYA	5160	206	2194	42.5	288	299	376

N 4W3 SVALBARD SE 2 BARENTSØYA

1 BARENTSØYA S

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
321 01	FREEMANBREEN	78 200	21 430	SE	S	4341	22	F	70	96.00	1	19.0	80	640	300	0	300		17.00	BAJ S
321 02	DUCKWITZBREEN	78 220	21 050	SW	SW	4341	22	F	70	98.10	1	19.6	80	660	420	0	360	1	17.00	BAJ S
321 03	SOLVEIGDOMEN S	78 260	21 175	SW	SW			F	70	5.35	1	2.0		660	580	440			0.43	BAJ
321 04	SOLVEIGDOMEN N	78 270	20 584	W	W	0300		F	70	18.70	1	4.5	70	650	400	80	330	1	2.30	BAJ *2
321 05	U/ SKRINNDALEN	78 266	20 460							1.55	2								0.06	
321 06	U/ SJODALEN SE	78 276	21 490							1.00	3								0.02	

101 glaciers < 1 km^2 A= 18.90 km^2

2 BARENTSØYA E

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
322 01		78 285	21 054	NW	NW	0300		F	70	22.95	1	6.0	70	490	380	80	330	1	2.90	BAJ *2
322 02	BESSELSBREEN	78 291	21 271	N	N	4241	22	F	70	146.80	1	22.5	80	630	330	0	230	1	28.00	BAJ
322 03	AUGNEBREEN	78 305	21 470	N	N	4	44	F	70	90.60	1	14.0		600	320	25	200	1	16.00	BAJ 3
322 04	HANDBREEN	78 290	21 590							4.15	2								0.30	BAJ
322 05	WILLYBREEN	78 277	22 000	NE	NE	4212	70	F	70	11.40	1	6.0	70	500	250	0	300	1	1.20	BAJ
322 06	ISORMEN	78 265	22 015							1.90	2								0.09	BAJ
322 07	REYMONDBREEN	78 244	21 570	SE	E			F	70	33.00	1	9.0	80	600	270	20	270		4.60	BAJ S
322 08	HÜBNERBREEN	78 225	21 443	SE	E	4103	27	F	70	53.20	1	15.0	80	640	320	20	270		8.30	BAJ S
322 09	U /VESLEMJØSA N	78 324	21 175							1.05	3								0.03	

23 glaciers < 1 km^2 A= 5.10 km^2

N 4W3 SVALBARD SE 2 BARENTSØYA

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
321	BARENTSØYA S	703	107	240	34.1	365	330	37
322	BARENTSØYA E	595	32	370	62.2	322	241	61
32	BARENTSØYA	1298	139	610	47.0	338	274	98

TOTAL 4W3 SVALBARD SE

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
31	EDGEØYA	5160	206	2194	42.5	288	299	376
32	BARENTSØYA	1298	139	610	47.0	338	274	98
3	SVALBARD SE	6458	345	2804	43.0	299	294	474

N 4W4 SVALBARD E 1 KONG KARLS LAND

1 KONG KARLS LAND

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
411 01	RUNDISEN	78 537	29 101						2.80	1								0.17	
411 02	U /TORDENS BGT E	78 526	28 155						2.40	1								0.13	
411 03	U /TORDENS BGT W	78 524	28 095						1.60	2								0.07	
411 04	U /FLATHØGDA E	78 427	26 435						1.20	1								0.04	
411 05	U /FLATHØGDA W	78 424	26 350						3.00	1								0.18	

45 glaciers < 1 km^2 A= 10.60 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
411		345	50	22	6.4	*	*	1
41	KONG KARLS LAND	345	50	22	6.4	0	0	1

TOTAL 4W4 SVALBARD E

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
41	KONG KARLS LAND	345	50	22	6.4			1
4	SVALBARD E	345	50	22	6.4			1

1 KVITØYA

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
511 01	KVITØYJØKULEN	80 110	32 200	SE	NW	3340	00	F	77	705.00	1	13.0	76	370	200	0	X100	2	170.00	

TOTAL 4W5 SVALBARD NE

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
51	KVITØYA	710	1	705	99	200	100	170
5	SVALBARD NE	710	1	705	99	200	100	170

TOTAL 4W SVALBARD

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL	ESTIMATED GLACIER VOLUME km^3
4W1	SPITSBERGEN	39170	1619	21805	55	501	389	3899
4W2	NORDAUSTLANDET	14997	214	11262	75	406	356	2444
4W3	SVALBARD SE	6458	345	2804	43	299	294	474
4W4	SVALBARD E	345	50	22	64			1
4W5	SVALBARD NE	710	1	705	99	200	100	170
4W	SVALBARD	61680	2229	36598	59.0	450	366	6988

Alphabetical list of glaciers in Svalbard

ALPHABETICAL LIST OF THE GLACIERS OF SVALBARD (N 4W)

NAME	REMARK	IDENT
ABRAHAMSENBREEN		164 17
ADAMBREEN		157 15
ADOLFBREEN		163 07
AGNORBREN	PART OF	154 01
AHLMANNFONNA E		251 04
AHLMANNFONNA W		242 04
AKADEMIKERBREEN	PART OF	111 05
AKKARBREEN	PART OF	124 12
AKTIVBREEN	PART OF	168 20
ALBERTBREEN		162 04
ALBRECHTBREEN		313 17
ALDEGONDABREEN		141 08
ALDOUSBREEN		222 08
ALEXANDERBREEN	PART OF	173 10
ALEKSEISØKKET	PART OF	173 10
ALFREDBREEN		151 06
ALKEBREEN		157 19
ALKHORNBREEN	SM GLAC	149
ALPEBREEN	PART OF	156 11
ALTBREEN		142 25
AMUNDSENISEN C	PART OF	125 03
AMUNDSENISEN N	PART OF	125 05
AMUNDSENISEN S	PART OF	124 18
ANDREASBREEN		153 21
ANDREBREEN		157 05
ANDRÈEBREEN		161 14
ANDRINEBREEN		114 03
ANGELBREEN		167 27
ANGELLKROKEN	PART OF	125 01
ANKERBREEN		136 08
ANKERBREEN		153 18
ANNABREEN	SM GLAC	158
ANNA MARGRETHEBREEN		115 06
ANNA SOFIEBREEN		153 07
ANNE-MARIEBREEN		167 03
ANTONIABREEN		131 17
APEBREEN		161 17
ARBOBREEN		168 03
ARCHIBALD GEIKIEBREEN		151 01
ARCTOWSKIBREEN		143 04
ARDENNEBREEN	PART OF	162 11
AREBREEN		136 18
ARIEBREEN	SM GLAC	124
ARKFJELLBREEN	PART OF	123 05
ARLABREEN		161 19
ARKBREEN	PART OF	162 11
ARNELIUSBREEN		161 03
ARNESENBREEN		114 07
ARNICABREEN		142 19
ARTHURBREEN		154 08
ASPELINBREEN	SM GLAC	134
ATGEIRBREEN	PART OF	157 09
AUCELLAISEN, NORDRE	PART OF	124 17
AUCELLAISEN, SØRE	PART OF	124 17
AUGNEBREEN		322 03
AUGUSTBREEN	PART OF	162 07
AULBREEN	SM GLAC	152
AURDALSBRE, NORDRE		137 06
AURDALSBRE, SØRE		137 07
AURKOLLFONNA		132 11
AUSTBOTNEN		145 04

NAME	REMARK	IDENT
AUSTFONNA	ICECAP	2
AUSTGØTABREEN	PART OF	152 04
AUSTJØKULEN N	PART OF	124 09
AUSTJØKULEN S	PART OF	122 02
AUSTRE BRØGGERBREEN		155 04
AUSTRE GRØNFJORDBREEN	PART OF	141 09
AUSTRE LOGNEDALSBRE		131 07
AUSTRE LOVÈNBREEN		155 07
AUSTRE TORELLBREEN		125 03
AUSTRE VESALBREEN		151 11
AYERBREEN		136 24
BACKABREEN		231 03
BACKLUNDBREEN		111 04
BAKANINBREEN		134 10
BALBERGBREEN		166 01
BALCKBREEN	PART OF	161 18
BALDERFONNA		
BALDERFONNA E	PART OF	173 03
BALDERFONNA E	PART OF	173 04
BALDERFONNA E	PART OF	173 05
BALDERFONNA E		173 06
BALDERFONNA N		172 10
BALDERFONNA NE	PART OF	173 01
BALDERFONNA NE	PART OF	173 02
BALDERFONNA NW		172 09
BALDERFONNA SE	PART OF	173 07
BALDERFONNA W	PART OF	172 08
BALLIOLBREEN	PART OF	168 18
BALTBREEN		113 15
BANEBOTNEN E	PART OF	172 06
BANEBOTNEN W	PART OF	168 22
BARBARABREEN		121 06
BARDEBREEN		147 17
BARENTSJØKULEN	ICECAP	32
BARETTBREEN	PART OF	124 11
BARLAUPFONNA	PART OF	132 18
BARMFJELLBREEN		146 19
BARONBREEN	PART OF	155 12
BARSOKBREEN	PART OF	167 31
BARTHBREEN	SM GLAC	192
BASTIONBREEN	PART OF	124 02
BATTYEBREEN		146 18
BAUTABREEN	SM GLAC	124
BAYLYBREEN	PART OF	168 20
BECQUERELBREEN	PART OF	156 14
BEINBREEN	PART OF	121 04
BELCHERISEN		115 09
BELLINGBREEN		115 07
BELSHORNBREEN		167 22
BENDFJELLBREEN	PART OF	124 11
BERESNIKOVBREEN		114 08
BERGFONNA		
BERGFONNA E		313 08
BERGFONNA S		313 06
BERGFONNA W		313 07
BERGLIBREEN	PART OF	169 10
BERGMESTERBREEN		135 24
BERRKLETTBREEN		132 33
BERTILBREEN		145 15

NAME	REMARK	IDENT	NAME	REMARK	IDENT
BERTRAMBREEN		145 09	BLÅISEN		
BESSELSBREEN		322 02	BLÅISEN E		312 22
BESSEMERBREEN		133 17	BLÅISEN N		313 05
BESSHØBREEN	PART OF	132 14	BLÅISEN S		312 23
BEVANBREEN	SM GLAC	121	BLÅKLETTISEN	PART OF	132 14
BIERNAWSKIBREEN	PART OF	132 13	BLÅREVBREEN	PART OF	173 10
BIKSEBREEN	PART OF	146 19	BLÅSHAUGBREEN		157 01
BILLESHOLMBREEN		135 03	BLÅSTERISEN N	PART OF	125 03
BINNEBREEN		167 12	BLÅSTERISEN S	PART OF	124 18
BIRGERBREEN	SM GLAC	158	BODLEYBREEN		222 06
BISKAYERFONNA		161 18	BOGEBREEN	PART OF	144 02
BITIHORNBREEN		147 07	BOGERBREEN		142 06
BIVRASTFONNA		172 05	BOLTONBREEN		144 11
BJARMEBREEN		113 13	BORBREEN	PART OF	135 31
BJARTFONNA N	PART OF	135 01	BORDBREEN	PART OF	121 04
BJARTFONNA NE	PART OF	134 09	BOREBREEN		149 01
BJARTFONNA S		134 14	BORGBREEN		158 03
BJELOPOLSKIBREEN		123 02	BORNBREEN	PART OF	168 35
BJUVBREEN		135 04	BOSARPBREEN		135 02
BJØRLYKKEBREEN	PART OF	156 14	BOTFONNA	PART OF	167 31
BJØRNBREEN	PART OF	131 16	BOTNBREEN	SM GLAC	155
BLACKBREEN		143 02	BOTNFJELLBREEN		155 09
BLANKFJELLBREEN	PART OF	132 14	BRAEMFJELLBREEN	SM GLAC	124
BLEKUMBREEN		142 25	BRAGEBREEN		222 11
BLINDERNBREEN	PART OF	167 30	BRANDTBREEN		142 29
BLOMLIBREEN		131 10	BRATTBREEN	PART OF	155 11
BLOMSTRANDBREEN		155 15	BRATTEGGBREEN	SM GLAC	125
BLOMSTRANDFONNA	PART OF	155 15	BRATTEKLEIVBREEN		158 08
BLUFFBREEN	SM GLAC	158	BRATTHENGBREEN		114 09
BLUMCKEBREANE		131 18	BRATTHENGET	PART OF	172 06

NAME	REMARK	IDENT	NAME	REMARK	IDENT
BRATTHØBREEN	PART OF	125 03	BUTTBREEN	PART OF	133 16
BRATTISEN	PART OF	132 20	BYBREEN		165 12
BRATTKNEIKBREEN	PART OF	122 02	BÆRUMBREEN	PART OF	153 19
BRAZYBREEN	PART OF	123 03	BØCKMANBREEN		131 15
BREIBREEN	PART OF	173 07	BØDALSBREEN		141 28
BREIFONNA		142 18	BØNNEBREEN	PART OF	157 09
BRENNBREEN		146 23	BØRREBREEN		163 02
BROKEBREEN		157 17	BØYGISEN	PART OF	125 03
BROMBREEN		136 28	BAALSRUDBREEN		141 11
BRORBREEN		135 08			
BROTBREEN	PART OF	151 07	CAILLETETBREEN	PART OF	156 14
BRUREBREEN	PART OF	157 09	CAIUSBREEN	PART OF	146 07
BRURESLØRET	PART OF	168 21	CAMBREEN	PART OF	168 24
BRØGGERBREANE			CAMBRIDGEBREEN		168 18
BRØGGERBREEN, AUSTRE		155 04	CHABAUDBREEN	PART OF	162 11
BRØGGERBREEN, VESTRE		155 03	CHARLESBREEN		153 08
BRUCEBREEN		144 04	CHARPENTIERBREEN		132 27
BRURSKANKBREEN	PART OF	146 18	CHAUVEAUBREEN		161 10
BRÜCKNERBREEN	PART OF	156 14	CHOMJAKOVBREEN		124
BRÅSVELLBREEN		211 10	CHYDENIUSBREEN		173 07
BUCHANANISEN			CISSYBREEN		154 07
BUCHANANISEN, NORDRE		151 08	CLASEBREEN	PART OF	221 01
BUCHANANISEN, SØRE		151 07	COLLINSBREEN	PART OF	173 07
BUCHANBREEN		157 20	COMFORTLESSBREEN		154 12
BUGGEBREEN, FOLKVARD		137 04	CONWAYBREEN		155 12
BULDREBREEN	PART OF	171 05	CONWAYJØKULEN	PART OF	168 20
BULLBREEN		153 02	COOKBREEN		169 01
BUKKEBREEN		167 24	COOPERBREEN	SM GLAC	144
BUNGEBREEN		123 05	CORYELLBREEN	SM GLAC	121
BURN-MURDOCHBREEN		144 05	CRAMMERBREANE		

NAME	REMARK	IDENT	NAME	REMARK	IDENT
CRAMMERBREANE N		131 13	DOMINANTBREEN	PART OF	132 14
CRAMMERBREANE S		131 14	DOMISEN N	PART OF	112 03
CROFTBREEN	PART OF	242 02	DOMISEN S	PART OF	112 05
CROLLBREEN		121 01	DRACOISEN NW	PART OF	173 07
CÖSTERBREEN		136 06	DRACOISEN SE	PART OF	173 08
			DREVBREEN	PART OF	124 12
DAHLBREEN		153 19	DRONNINGBREEN		157 03
DAHLFONNA		141 01	DRYADBREEN		141 29
DALBURGBREEN	PART OF	136 22	DRØNBREEN		142 17
DARBOUXBREEN	PART OF	156 14	DUBOISBREEN		143 08
D'ARODESBREEN		156 02	DUCKWITZBREEN		321 02
DAUDBREEN		113 01	DUMSKOLTBREEN	SM GLAC	122
DAUDMANNSBREEN N	PART OF	149 06	DUNDERDALSBREEN		131 04
DAUDMANNSBREEN S	SM GLAC	149	DUNÈRBREEN		171 01
DAVISBREEN		115 09	DUVEBREEN		251 06
DE GEERFONNA		232 01	DVERGBREEN	SM GLAC	172
DEILEGGBREEN	PART OF	124 20	DVERGFONNA	PART OF	132 04
DELBREEN		168 12	DÖLTERBREEN		131 05
DELTABREEN		311 06			
DEVIKBREEN	PART OF	153 13	EBBABREEN		145 08
DIADEMBREEN	PART OF	155 11	EDDABREEN		167 10
DISBREEN	PART OF	132 18	EDGEØYJØKULEN	ICECAP	31
DIGERFONNA	ICECAP	31	EDINBURGHBREEN	PART OF	172 06
DISKBREEN	PART OF	147 12	EDITHBREEN		154 14
DMITRIEVBREEN	PART OF	124 08	EDMONDSBREEN	PART OF	168 20
DOBROWOLSKIBREEN	PART OF	132 14	EDVARDBREEN		135 07
DODDSBREEN		151 04	EGGBREEN		124 06
DOKTORBREEN		132 18	EGGBREEN	SM GLAC	141
DOLLFUSBREEN	PART OF	131 16	EIDEMBREEN		152 04
DOLKBREEN	PART OF	113 01	EIMFJELLBREANE	SM GLAC	124

NAME	REMARK	IDENT
EINDRIDEBREEN	PART OF	222 01
EIVINDBREEN		153 22
ELBOBREEN	PART OF	111 05
ELEKTROBREEN		134 01
ELFENBEINBREEN		113 07
ELISEBREEN		154 01
ELLKROKEN	PART OF	125 01
ELNABREEN		164 11
ELSABREEN		145 14
ELTONBREEN		222 07
EMMABREEN		162 07
ERDMANNBREEN		137 10
ERICABREEN		221 03
ERIKBREEN		162 06
ERIKKABREEN		154 05
ERNSTBREEN		165 08
ESKOLABREEN		168 21
ESMARKBREEN		149 03
ETONBREEN		222 03
EVABREEN		162 02
FAIRBAIRNBREEN	PART OF	168 20
FAIRWEATHERBREEN		145 03
FALLBREEN		151 09
FALLBERGISEN	PART OF	115 09
FANGENBREEN		143 03
FANTASTIQUEBREEN	PART OF	168 20
FATUMBREEN	PART OF	155 11
FEIRINGBREEN		155 13
FEISELBREEN	PART OF	135 31
FEMTEBREEN		157 08
FENRISULVBREEN		169 08
FERDINANDBREEN		145 13
FILANTROPBREEN	PART OF	133 16
FILCHNERFONNA		
FILCHNERFONNA E	PART OF	111 05
FILCHNERFONNA SW	PART OF	144 02
FILCHNERFONNA W	PART OF	144 03
FIMBULISEN		
FIMBULISEN E	PART OF	112 01
FIMBULISEN NW	PART OF	144 01
FIMBULISEN SE	PART OF	143 27
FIMBULISEN W		143 28
FINSTERWALDERBREEN		132 02
FIRMBREEN	PART OF	134 09
FISKARBREEN	PART OF	124 11
FITZBILLYBREEN	PART OF	172 06
FJELGBREEN	PART OF	153 19
FJERDEBREEN	PART OF	157 06
FJORTENDE JULIBREEN		156 01
FLAKBREEN		156 03
FLANKEBREEN		156 05
FLATBREEN	PART OF	124 11
FLATBREEN SE	PART OF	121 04
FLEINISEN	PART OF	142 14
FLEKSURBREEN	PART OF	142 17
FLORABREEN		144 15
FLOWERBREEN		143 06
FLYGARFONNA		137 05
FLÅISEN		169 19

NAME	REMARK	IDENT	NAME	REMARK	IDENT
FOLDNUTFONNA	PART OF	131 16	FYRISBREEN		146 17
FOLKVARD BUGGEBREEN		137 04	FØRSTEBREEN		157 04
FORBESBREEN		156 15			
FORKBREEN		166 18	GAFFELBREEN		153 16
FORMIDABLEBREEN	PART OF	168 20	GALLERBREEN	PART OF	172 06
FORSIUSBREEN		231 03	GANDBREEN N		311 11
FOXBREEN		142 14	GANDBREEN S		311 10
FOXFONNA			GANGPASSBREEN	SM GLAC	124
FOXFONNA N		142 13	GANSKIJBREEN		111 02
FOXFONNA SE	PART OF	142 14	GARDNERBREEN	PART OF	164 17
FOXFONNA SW	PART OF	142 12	GARMBREEN		165 14
FRAMBREEN		158 10	GARWOODBREEN	PART OF	124 02
FRANKLINBREEN, NORDRE		232 04	GAVLHAUGBREEN		146 14
FRANKLINBREEN, SØRE		232 03	GEABREEN	SM GLAC	149
FRAZERBREEN		222 09	GEEBREEN	PART OF	111 05
FREDFONNA N	PART OF	124 09	GEIKIEBREANE		
FREDFONNA S	PART OF	122 02	GEIKIEBREEN, ARCHIBALD		151 01
FREEMANBREEN		321 01	GEIKIEBREEN, JAMES		151 03
FRIDTJOVBREEN		137 08	GEIKIEBREEN, MIDTRE		151 02
FRIEDRICHBREEN		163 06	GEORGBREEN		165 07
FRIGGKÅPA	PART OF	145 19	GERRITBREEN	PART OF	145 06
FROSTBREEN	PART OF	172 05	GIBSONBREEN		136 25
FROSTISEN		145 22	GIMLEBREEN		222 12
FRYSJABREEN		133 04	GINNUNGAGAP		164 21
FRÆNKELBREEN	PART OF	164 06	GLASGOWBREEN	PART OF	172 06
FRØYABREEN		172 13	GLASIOLOGBREEN	PART OF	132 17
FUGLEBREEN	PART OF	124 20	GLEDITSCHFONNA		137 03
FUGLEPYNTBREEN	SM GLAC	158	GLERBREEN	PART OF	171 05
FUHRMEISTERBREEN		161 06	GLIMISEN	PART OF	124 12
FUREBREEN	PART OF	114 03	GLINTBREEN	PART OF	172 08

NAME	REMARK	IDENT	NAME	REMARK	IDENT
GLITNEFONNA NE		221 01	GRÅNUTBREEN	PART OF	137 08
GLITNEFONNA SW		211 14	GUFSBREEN		147 05
GLITREBREEN		135 26	GULLFAKSEBREEN		172 02
GLOPEKEN	PART OF	147 12	GULLMARBREEN		158 07
GLØTTFJELLBREEN		142 16	GULLSTRANDBREEN		141 13
GLØTTFONNA	SM GLAC	131	GULLYBREEN		157 16
GOÈSBREEN		124 01	GUNNARBREEN		153 06
GONVILLEBREEN		146 07	GYGREBREEN		146 26
GRANTABREEN	PART OF	168 24	GYLDENBREEN		168 15
GRAVNESBREEN	SM GLAC	157	GYNTSLOTTET E, PER	PART OF	321 06
GREENBREEN		133 08	GYNTSLOTTET W, PER	PART OF	321 07
GREINBREANE C		136 03	GÅSBREEN		124 02
GREINBREANE E		136 04			
GREINBREANE W		136 02	HAGERMANNBREEN	PART OF	135 07
GRENNABREEN	SM GLAC	165	HAKEBREEN	PART OF	156 01
GRENSEBREEN	PART OF	155 10	HALLBREEN		161 15
GRIBNEFJELLBREEN	PART OF	134 10	HALLWYLBREEN		142 15
GRIMFJELLBREEN	PART OF	124 12	HAMARBREEN	PART OF	147 16
GROBREEN	PART OF	124 09	HAMBERGBREEN		121 04
GROPBREEN	PART OF	111 05	HAMBURGBREEN		157 14
GRUMANTBREEN		142 01	HAMILTONBREEN		161 02
GRUSDIEVBREEN	PART OF	173 10	HANDBREEN		322 04
GRUVFONNA			HANNABREEN		162 05
GRUVFONNA E	PART OF	135 19	HANNBREEN		174 09
GRUVFONNA N	PART OF	136 09	HANSBREEN		124 20
GRUVFONNA SE	PART OF	135 20	HANSDALSBREEN		146 29
GRØNFJORDBREANE		141 09	HANS HENRIKBREEN	PART OF	158 04
GRØNFJORDBREEN, AUSTRE	PART OF	141 09	HAREBREEN	PART OF	133 16
GRØNFJORDBREEN, VESTRE	PART OF	141 09	HARKERBREEN	PART OF	168 22
GRÅKALLBREEN		123 07	HARLANDISEN NW	PART OF	173 07

NAME	REMARK	IDENT	NAME	REMARK	IDENT
HARLANDISEN SE	PART OF	173 10	HETTEBREEN		134 03
HARMENSISEN	PART OF	124 12	HETTEBREEN		135 22
HARRIETBREEN	PART OF	149 05	HETTEISEN E	PART OF	134 03
HARTMANNBREEN		313 30	HETTEISEN W	PART OF	134 02
HASSINGERBREEN		132 06	HEUGLINBREEN	PART OF	112 01
HATTBREEN		147 03	HIERTHABREEN	SM GLAC	158
HAVHESTBREEN	PART OF	158 04	HILLBREEN	PART OF	158 02
HAYESBREEN		112 01	HIMINBJØRGFONNA		
HEDGEHOGFONNA N	PART OF	121 04	HIMINBJØRGFONNA E	PART OF	172 06
HEDGEHOGFONNA S	PART OF	122 01	HIMINBJØRGFONNA NW	PART OF	169 02
HEFTYEBREEN		141 06	HIMINBJØRGFONNA SW	PART OF	169 01
HEIFONNA		169 18	HINLOPENBREEN		173 10
HEIMBREEN	PART OF	132 02	HOCHSTETTERBREEN		174 06
HEKSEBREEN	PART OF	152 04	HODSBREEN		167 32
HELLEFONNA			HOELBREEN	PART OF	145 11
HELLEFONNA E	PART OF	113 08	HOLMESLETBREEN, AUSTRE		153 04
HELLEFONNA N		143 17	HOLMESLETBREEN, VESTRE		153 03
HELLEFONNA NE	PART OF	143 18	HOLMIABREEN		158 14
HELLEFONNA NW		143 15	HOLMSTRÖMBREEN		147 13
HELLEFONNA SE	PART OF	113 09	HOLTABREEN	PART OF	155 10
HELLEFONNA SW	PART OF	143 13	HOLTEDAHLFONNA		
HELLEFONNA W		143 14	HOLTEDAHLFONNA E	PART OF	164 17
HELLMANNBREEN	PART OF	156 14	HOLTEDAHLFONNA N	PART OF	164 06
HELSINGBORGBREEN		135 30	HOLTEDAHLFONNA NE	PART OF	164 11
HELSINKIBREEN	PART OF	168 22	HOLTEDAHLFONNA S	PART OF	147 12
HENGEBREEN	PART OF	157 16	HOLTEDAHLFONNA SE	PART OF	147 10
HENRIKBREEN, HANS	PART OF	158 04	HOLTEDAHLFONNA W	PART OF	155 11
HERGESELLBREEN		156 20	HOLTENBREEN	PART OF	221 01
HESSBREEN		132 01	HORNBREEN		124 11
HESTSKANKFALLET	PART OF	123 05	HOVBREEN		164 32

NAME	REMARK	IDENT
HUKBREEN	SM GLAC	157
HULDREBREEN	PART OF	152 04
HUMPFONNA	PART OF	131 16
HÜBNERBREEN		322 08
HYDROGRAFBREEN		152 05
HYLLINGEBREEN		135 05
HYRNEBREEN		124 13
HÄGGBREEN		141 19
HØDBREEN		173 03
HØEGDALSBREEN		168 04
HØEG-OMDALBREEN		133 09
HÖGANÄSBREEN		135 31
HØGBREEN		134 04
HØGHETTA E	PART OF	172 06
HØGHETTA NW	PART OF	169 02
HØGHETTA SW	PART OF	169 01
HØGHOTTBREEN	PART OF	162 11
HØGISEN	PART OF	173 10
HØGSNYTBREEN		136 30
HØGSTEBREEN	PART OF	125 05
HØNERBREEN	PART OF	173 10
HØRBYEBREEN		145 11
HÅBERGBREEN		142 02
HAAKENBREEN		154 06
HÅRBARDBREEN	PART OF	222 10
HÅRBREEN		156 18
IDABREEN	PART OF	162 07
IDAVOLLEN NE	PART OF	169 08
IDAVOLLEN S	PART OF	169 06
IDUNBREEN		222 10
INDREBØBREEN	PART OF	115 01
INFANTFONNA	PART OF	155 11
INGERBREEN	PART OF	114 11
INGLEFIELDBREEN		114 06
INNERBREEN		135 17
INNIFONNA	PART OF	114 12
INSTEBREEN		132 31
IRABREEN		141 17
IRENEBREEN		154 02
ISACHSENFONNA		
ISACHSENFONNA N	PART OF	162 11
ISACHSENFONNA S	PART OF	155 11
ISACHSENFONNA S	PART OF	155 12
ISACHSENFONNA SW	PART OF	155 15
ISACHSENFONNA W	PART OF	156 07
ISACHSENFONNA W	PART OF	156 11
ISBRODDBREEN	PART OF	124 11
ISINGBREEN	PART OF	124 11
ISKAKA E	PART OF	113 03
ISKAKA W	PART OF	113 07
ISKOLLBREEN	PART OF	115 08
ISKOLLBREEN		137 01
ISKOLLEN NE	PART OF	115 05
ISKOLLEN W	PART OF	132 14
ISMØYBREEN	PART OF	124 18
ISORMEN		322 06
ISROSA N	PART OF	112 06
ISROSA S		113 03
ISRUNDINGEN	PART OF	171 05

NAME	REMARK	IDENT	NAME	REMARK	IDENT
ISRYPEBREEN	PART OF	147 16	KAMPFONNA		143 10
ISVEGGEN	PART OF	151 07	KAMRYGGBREEN	PART OF	132 14
IVORYBREEN	PART OF	171 01	KANEBREEN	PART OF	121 04
IWOBREEN	PART OF	124 12	KANTBREEN		172 08
			KAPITOLBREEN		147 01
JAKOBSTIGEN	PART OF	124 07	KAPPFJELLBREEN	PART OF	156 01
JAMBREEN	PART OF	157 18	KAPTEINSBREEN	PART OF	114 87
JAMDALSBREEN		141 12	KARIBREEN	PART OF	115 02
JAMES GEIKIEBREEN		151 03	KARLBREEN		156 19
JANSSONBREEN		141 10	KARLSBREEN		163 10
JARLBREEN		158 13	KASSEBREEN	PART OF	133 16
JARNBREEN	SM GLAC	137	KASSIOPEIAISEN	PART OF	173 10
JASTREBKOVBREEN	PART OF	173 10	KASTELLBREEN		168 07
JEKSELBREEN	PART OF	124 07	KEILHAUBREEN		122 05
JEMELIANOVBREEN		115 05	KEIPBREEN	PART OF	132 14
JENSENBREEN	SM GLAC	125	KEIPBREEN	PART OF	134 10
JERMAKBREEN	PART OF	173 10	KENNEDYBREEN		158 11
JINNBREEN		143 13	KEPLERBREEN	PART OF	173 10
JOHANBREEN		164 10	KILBREEN	SM GLAC	135
JOHANS BRE, KONG		313 19	KINAMURBREEN		146 11
JOHANSENBREEN	PART OF	111 06	KINGBREEN	PART OF	172 06
JOTUNFONNA		145 21	KIÆRBREEN		149 04
JULIBREEN, FJORTENDE		156 01	KIÆRFJELLBREEN	SM GLAC	155
JUNIBREEN	PART OF	156 01	KJEGLEBREEN		135 27
JUTULFONNA N	PART OF	153 08	KJERULFBREEN		149 05
JUTULFONNA S	PART OF	152 04	KJØLHØBREEN	PART OF	134 09
JÖNSBREEN	SM GLAC	137	KLAMPEBREEN	PART OF	153 13
			KLAUSBREEN	PART OF	141 01
KALVDALSBREEN		136 35	KLAUVBREEN	PART OF	143 27
KAMBREEN		121 05	KLEIVBREEN	PART OF	135 05

NAME	REMARK	IDENT	NAME	REMARK	IDENT
KLOBREEN	PART OF	151 08	KONGSBREEN		
KLOCKMANNBREEN	PART OF	125 05	KONGSBREEN C	PART OF	155 11
KLUBBEBREEN		134 06	KONGSBREEN N	PART OF	155 12
KLUFTBREEN		171 02	KONGSBREEN S	PART OF	155 10
KLUNSBREEN	PART OF	113 07	KONGSVEGEN		155 10
KNAPEISEN E	PART OF	112 06	KONOWBREEN		153 14
KNAPEISEN S	PART OF	113 07	KONSULBREEN	PART OF	155 15
KNAPEISEN W	PART OF	143 24	KORISTKABREEN		174 08
KNATTBREEN		157 23	KORTBREEN	PART OF	172 06
KNEIKBREEN, NORDRE	PART OF	124 07	KOSTERBREEN		173 05
KNEIKBREEN, SØRE	PART OF	124 07	KOTEBREEN	PART OF	132 05
KNIVSEGGBREEN		157 12	KROHNBREEN	PART OF	124 12
KNOKISEN	PART OF	132 14	KROKBREEN	PART OF	152 02
KNOLLISEN N	PART OF	157 09	KROKFJELLBREEN	PART OF	152 02
KNOLLISEN S	PART OF	156 14	KROKFONNA	SM GLAC	141
KNOPPBREEN	PART OF	134 09	KROKRYGGBREEN		135 34
KNORRINGBREEN		142 30	KRONEBREEN		155 11
KNOTTBREEN	PART OF	157 19	KRONGLEBREEN	PART OF	122 02
KNULTFONNA	PART OF	132 13	KRONGLEISEN		169 16
KOKBREEN		136 19	KROPPBREEN		135 06
KOKKBREEN	PART OF	125 05	KRULLFONNA	PART OF	154 04
KOLDROMBREEN	PART OF	135 02	KRUSEBREEN	SM GLAC	124
KOLFJELLBREEN		136 40	KRYLBREEN		133 06
KOLKBREEN		133 01	KRØKJEBREEN	PART OF	132 17
KOLLEBREEN	SM GLAC	161	KUHRBREEN		311 25
KOLLERBREEN		156 12	KÜKENTHALBREEN	SM GLAC	4
KOMETBREEN	PART OF	168 22	KUTTEBREEN	PART OF	156 14
KOMMISSÆRBREEN		144 07	KUVBREEN	PART OF	132 14
KOMSBREEN	PART OF	124 12	KVALBREEN		115 01
KONG JOHANS BRE		313 19	KVALFANGARBREEN		124 16

NAME	REMARK	IDENT	NAME	REMARK	IDENT
KVALPYNTFONNA	ICECAP	31	LANSEBREEN	PART OF	132 14
KVASSEGGBREEN	PART OF	124 06	LAPPBREEN		148 01
KVASSPIGGBREEN		158 01	LARSBREEN		142 05
KVASTBREEN	PART OF	115 05	LARUSBREEN	SM GLAC	158
KVERVBREEN	PART OF	125 03	LATHAMBREEN E	PART OF	122 02
KVITBREEN	PART OF	173 10	LATHAMBREEN W	PART OF	123 03
KVITHETTBREEN	PART OF	123 03	LEFFLERBREEN, MITTAG		168 20
KVITISEN	ICECAP	31	LEIFBREEN	PART OF	122 02
KVITKÅPA	ICECAP	31	LEIGHBREEN		252 04
KVITREVBREEN	PART OF	173 10	LEINBREEN	PART OF	132 02
KVITRYGGFONNA	PART OF	136 16	LEINEGGBREEN		133 05
KVITSKARVBREEN		133 10	LEMSTRØMFONNA	PART OF	168 22
KVITTOPPBREEN	PART OF	161 17	LESTRISBREEN	SM GLAC	158
KVITUNGISEN E	PART OF	124 18	LEXFJELLBREEN		152 01
KVITUNGISEN W	PART OF	124 20	LIBREEN		131 03
KVITØYJØKULEN		51	LIBREEN	PART OF	161 18
KYRKJEBREEN	PART OF	147 12	LIESTØLBREEN		132 17
KÖNIGSBERGBREEN	PART OF	112 01	LIFJELLFONNA	PART OF	125 05
KÖRBERBREEN		124 04	LILLIEHÖÖKBREEN		156 14
			LINDHAGENBREEN		241 01
LACHAMBREBREEN	SM GLAC	158	LINDSTRØMBREEN	PART OF	115 02
LACMANNBREEN		141 14	LINGBREEN	PART OF	161 18
LANDBREEN		166 03	LINNÈBREEN		141 03
LANGRUNDISEN	SM GLAC	4	LISBETBREEN		167 30
LANGHANSBREEN	PART OF	111 06	LIVBREEN		136 07
LANGJØKULEN N		313 03	LJOSFONN	PART OF	132 14
LANGKOLLBREEN	PART OF	125 05	LODERBREEN		173 09
LANGLEIKBREEN	PART OF	124 12	LOFTHUSBREEN	PART OF	142 17
LANGLIBREEN		133 12	LOGNBREEN	PART OF	134 09
LANGRYGGBREEN		132 12	LOGNEDALSBRE, AUSTRE		131 07

NAME	REMARK	IDENT	NAME	REMARK	IDENT
LOGNEDALSBRE, VESTRE		131 06	LØVENSKIOLDFONNA W	PART OF	154 04
LOMONOSOVFONNA			LØVLANDBREEN	PART OF	155 15
LOMONOSOVFONNA NE	PART OF	173 10	LØVLIEBREEN		153 05
LOMONOSOVFONNA NW	PART OF	168 20	LØYNDBREEN		133 11
LOMONOSOVFONNA S	PART OF	144 03	LÅGBERGISEN	PART OF	124 18
LOMONOSOVFONNA SE	PART OF	111 05	LÅGRYGGFONNA	PART OF	132 05
LOMONOSOVFONNA W	PART OF	145 06	LÅGSNYTBREEN		136 29
LONGSTAFFBREEN	PART OF	169 10			
LONGYEARBREEN		142 04	MACLEANBREEN		144 09
LORCHBREEN		124 14	MACLEODBOTNEN	SM GLAC	145
LOVÈNBREEN, AUSTRE		155 07	MAGDABREEN		151 05
LOVÈNBREEN, MIDRE		155 06	MAIBREEN	PART OF	156 01
LOVÈNBREEN, VESTRE		155 05	MAKAROVBREEN		161 01
LOÜETBREEN	PART OF	162 11	MANBREEN	PART OF	172 02
LUDOLF SCHJELDERUPBREEN	PART OF	222 01	MANCHESTERBREEN		168 16
LUDVIGBREEN, SVEN		173 02	MANNBREEN		168 05
LUITPOLDBREEN	PART OF	112 01	MARIBREEN	SM GLAC	146
LUMPBREEN		143 21	MARIEBREEN		211 13
LUNCKEBREEN		136 15	MARIEBREEN, ANNE-	PART OF	167 03
LUNDBREEN	PART OF	133 10	MARIEBREEN, RAGNA-	PART OF	134 09
LUNTEBREEN	PART OF	134 06	MARITBREEN	PART OF	144 02
LURØYBREEN	PART OF	158 04	MARGARETBREEN		144 17
LUSITANIABREEN		143 07	MARGITBREEN	PART OF	135 08
LYKKEBREEN	PART OF	111 05	MARGRETHEBREEN, ANNA		115 06
LYNGEBREEN		123 01	MARKBREEN	PART OF	158 04
LØVEISEN	PART OF	125 03	MARKHAMBREEN		121 02
LØVENSKIOLDFONNA			MARMORBREEN		143 18
LØVENSKIOLDFONNA N	PART OF	154 13	MARSJØBREEN		313 12
LØVENSKIOLDFONNA SE	PART OF	153 14	MARSTRANDBREEN		158 06
LØVENSKIOLDFONNA S	PART OF	153 19	MARSTRANDERBREEN		137 02

NAME	REMARK	IDENT	NAME	REMARK	IDENT
MARTHABREEN		136 13	MILLINGBREEN	PART OF	173 10
MARTINBREEN		132 26	MITTAG-LEFFLERBREEN		168 20
MATHEWBREEN		145 05	MJELLFONNA		132 25
MATHIASBREEN		122 06	MOGILNICKIBREEN	PART OF	124 13
MATROSBREEN	PART OF	121 01	MOLTKEBREEN		174 04
MAUDBREEN		241 04	MONACOBREEN		162 11
MAXBREEN	SM GLAC	165	MORABREEN		147 11
MAYERBREEN		156 11	MORITZBREEN		165 11
MC WHAEBREEN	PART OF	168 20	MORSJNEVBREEN	PART OF	115 02
MEDALSBREEN		141 26	MUNINBREEN		145 15
MEDIUMBREEN	PART OF	148 03	MUNTHEBREEN		157 10
MEFONNA N	PART OF	124 07	MURBREEN	PART OF	135 29
MEFONNA S	PART OF	123 03	MURDOCHBREEN, BURN-		144 05
MEHESTBREEN	PART OF	123 05	MURRAYBREEN		151 10
MENDELEJEVBREEN		124 09	MUSPELLVIDDA NE	PART OF	169 06
MERÅKERBREEN	PART OF	146 18	MUSPELLVIDDA NW		169 05
METHUENBREEN		144 12	MUSPELLVIDDA S	PART OF	169 02
METTEBREEN		134 12	MUSPELLVIDDA SW		169 03
MEYERBREEN	PART OF	146 29	MUSPELLVIDDA W		169 04
MIDGARDEN N	PART OF	173 08	MÜHLBACHERBREEN		124 17
MIDGARDEN SE	PART OF	173 10	MÄLARBREEN		142 27
MIDRE LOVÈNBREEN		155 06	MÄRJELBREEN		132 04
MIDTBREEN		169 07	MØREBREEN		155 02
MIDTERHUKBREEN		132 33	MØYSALBREEN	PART OF	142 16
MIDTRE GEIKIEBREEN		151 02	MÅLARBREEN		147 06
MIDTSUNDSTADBREEN	PART OF	169 10	MÅNEBREEN	PART OF	172 06
MIETHEBREEN	PART OF	157 18			
MIKAELBREEN	PART OF	124 11	NAGLEBREEN	PART OF	115 02
MIKKEL REVBREEN		241 09	NAGLISEN N	PART OF	132 14
MILLERBREEN		151 13	NAGLISEN S	PART OF	124 11

NAME	REMARK	IDENT	NAME	REMARK	IDENT
NANNBREEN		125 02	NORDMANNSFONNA W	PART OF	143 22
NANSENBREEN		149 02	NORDRE AURDALSBRE		137 06
NATASCHABREEN	PART OF	134 09	NORDRE BUCHANANISEN		151 08
NATHORSTBREEN		132 14	NORDRE FRANKLINBREEN		232 04
NEGRIBREEN		111 05	NORDRE KNEIKBREEN	PART OF	124 07
NEPEBREEN		157 13	NORDRE VASSKILBREEN		168 10
NIGERBREEN	SM GLAC	124	NORDSYSSELBREEN		114 05
NIKOLAUSBREEN, ST.	PART OF	123 02	NORMANBREEN	PART OF	252 02
NILSENBREEN		252 02	NORNEBREEN	PART OF	124 18
NIPILBREEN		133 02	NÒVBREEN	PART OF	124 11
NOBELBREEN		134 02	NUDDBREEN	PART OF	115 02
NONABREEN	SM GLAC	158	NYGÅRDBREEN		163 08
NORDBOTNEN	SM GLAC	145	NØISBREEN	PART OF	123 03
NORDBREEN		169 09	NØRDSTEBREEN	PART OF	124 20
NORDENFJELDSKEBREEN	PART OF	154 12			
NORDENSKIÖLDBREEN		145 06	OBERSTBREEN	PART OF	162 11
NORDFALLBREEN	PART OF	124 02	ODESSABREEN	PART OF	121 04
NORDLIBREEN	SM GLAC	133	ODINJØKULEN		
NORDMANNSFONNA			ODINJØKULEN N		172 14
NORDMANNSFONNA E	PART OF	112 04	ODINJØKULEN SE	PART OF	172 15
NORDMANNSFONNA N	PART OF	112 01	ODINJØKULEN SW	PART OF	172 13
NORDMANNSFONNA NE	PART OF	112 02	OLAV V LAND ICEFIELD		
NORDMANNSFONNA NE	PART OF	112 03	OLAV V LAND ICEFIELD E	PART OF	111 01
NORDMANNSFONNA NW		143 26	OLAV V LAND ICEFIELD E	PART OF	111 02
NORDMANNSFONNA SW	PART OF	112 06	OLAV V LAND ICEFIELD E	PART OF	174 06
NORDMANNSFONNA SE	PART OF	113 03	OLAV V LAND ICEFIELD E	PART OF	174 05
NORDMANNSFONNA SW	PART OF	113 07	OLAV V LAND ICEFIELD E	PART OF	174 07
NORDMANNSFONNA W	PART OF	143 19	OLAV V LAND ICEFIELD E	PART OF	174 08
NORDMANNSFONNA W	PART OF	143 20	OLAV V LAND ICEFIELD E	PART OF	174 09
NORDMANNSFONNA W	PART OF	143 21	OLAV V LAND ICEFIELD E	PART OF	174 10

NAME	REMARK	IDENT	NAME	REMARK	IDENT
OLAV V LAND ICEFIELD N	PART OF	173 10	PALANDERBREEN		221 02
OLAV V LAND ICEFIELD N	PART OF	174 01	PARADISBREEN		162 01
OLAV V LAND ICEFIELD NE	PART OF	174 02	PARBREANE	PART OF	133 16
OLAV V LAND ICEFIELD NE	PART OF	174 03	PARISBREEN	PART OF	172 06
OLAV V LAND ICEFIELD NE	PART OF	174 04	PARNASSBREEN		151 14
OLAV V LAND ICEFIELD S	PART OF	112 01	PASSBREEN		113 12
OLAV V LAND ICEFIELD SE	PART OF	111 05	PASSFJELLBREEN E		136 32
OLAV V LAND ICEFIELD SE	PART OF	111 03	PASSFJELLBREEN W		141 21
OLAV V LAND ICEFIELD SE	PART OF	111 04	PASSIVBREEN	PART OF	168 20
OLAV V LAND ICEFIELD SW	PART OF	111 06	PAULABREEN		134 09
OLEBREEN	PART OF	155 10	PAULBREEN		153 11
OLIVERBREEN		153 20	PAXBREEN		141 18
OLSOKBREEN		123 03	PAXBREEN	SM GLAC	165
OLSSØNBREEN		155 16	PEDASJENKOBREEN		111 01
OMDALBREEN, HØEG-		133 09	PEDERSENBREEN		155 08
OMMANNEYBREEN	PART OF	115 09	PEISBREEN		134 07
OPALBREEN	PART OF	111 05	PENCKBREEN		132 05
OPPDALSBREEN		135 16	PER GYNTSLOTTET E	PART OF	321 06
ORMBREEN	PART OF	111 05	PER GYNTSLOTTET W	PART OF	321 07
ORTBREEN	PART OF	135 31	PERLEBREEN	PART OF	124 18
ORSABREEN		147 10	PERSEIBREEN		115 03
OSBORNEBREEN		153 13	PERSEUSISEN	PART OF	173 10
OSLOBREEN	PART OF	173 10	PETERMANNBREEN		111 06
OSMUNDBREEN	SM GLAC	133	PETERSBREEN		124 05
OTTOBREEN		165 09	PETROVBREEN	PART OF	111 05
OXFORDBREEN	PART OF	173 10	PETTERSENBREEN		313 22
			PHILIPPBREEN	PART OF	144 02
PAGESBREEN	PART OF	173 08	PHILIPPIBREEN		312 11
PAGETBREEN		168 28	PINKBREEN		144 13
PAIERLBREEN		124 18	PIPEBREEN	PART OF	134 06

NAME	REMARK	IDENT
PJUSKISEN	PART OF	125 05
PLAGGBREEN	PART OF	157 09
PLANCKBREEN		168 33
PLANETBREEN	PART OF	168 22
PLOGBREEN	PART OF	123 05
PLOGBREEN		136 22
POLAKKBREEN	PART OF	132 14
POLARISBREEN		173 08
POLLOCKBREEN		145 07
PORTBREEN	PART OF	124 01
PORTIERBREEN		161 09
POSTBREEN, VON		144 02
POTPESCHNIGGBREEN	PART OF	144 02
PRESIDENTBREEN	PART OF	156 07
PRINSESSEBREEN	SM GLAC	124
PROFESSORBREEN	PART OF	121 04
PROFILBREEN	PART OF	125 05
PROPSBREEN	PART OF	136 13
PROTEKTORBREEN		149 06
PRUVOSTBREEN	PART OF	168 24
PULKOVOBREEN	PART OF	122 02
PURPURBREEN		168 06
PÅLBREEN	PART OF	135 29
PÅLSJØBREEN		135 29
QVARNSTRÖMBREEN		147 15
RABOTBREEN		143 27
RAGNA-MARIEBREEN		134 11
RAGNARBREEN		145 10
RAKBREEN	PART OF	158 04
RAMONDBREEN	PART OF	131 16
RANDBREEN		122 03
RANTEBREEN	PART OF	155 15
RASTISEN	PART OF	125 03
RAUDBERGBREEN	PART OF	173 07
RAUDFJELLBREEN		125 04
RAUDFJORDBREEN		161 11
RAUNDALSFJELLA		313 10
RAUNDALSFONNA N		313 09
RAUNDALSFONNA S		312 20
RECHERCHEBREEN		131 16
REIDBREEN		132 24
REINBOGBREEN		171 04
REINSBUKKBREEN		168 35
RELIKTBREEN		173 01
RENARDBREEN		131 12
RETZIUSBREEN	SM GLAC	158
REVTANNBREEN	PART OF	132 02
REYMONDBREEN		322 07
RICHARDSBREEN		114 11
RICHTERBREEN		132 30
RIEPERBREEN		142 12
RIJPBREEN		242 01
RIMFAKSEBREEN		172 01
RIMFONNA N	PART OF	134 06
RIMFONNA NE	PART OF	134 09
RIMFONNA S	PART OF	132 18
RINGARBREANE		121 08
RINGBREEN		132 23

NAME	REMARK	IDENT	NAME	REMARK	IDENT
RINGERTZBREEN	PART OF	164 06	SAGABREEN		137 09
RINGHORNBREEN		169 02	SAGTINDBREEN	PART OF	156 11
RISSABREEN	SM GLAC	158	SAKSBREEN		131 02
ROBERTSONBREEN		146 08	SALISEN	PART OF	125 03
ROKKBREEN	PART OF	132 18	SALOMONBREEN	SM GLAC	165
RONDEBREEN	PART OF	132 18	SALZBURGBREEN	PART OF	157 19
ROONBREEN		174 03	SAMARINBREEN		124 07
ROSENTHALBREEN		211 12	SAMEBREEN	PART OF	148 03
ROTBREEN	PART OF	156 12	SAMUELSSONBREEN		136 05
ROYAL SOCIETYBREEN	PART OF	169 02	SANDBREEN	SM GLAC	144 03
ROZYCKIBREEN	PART OF	132 13	SANDERBREEN		168 27
RUBINBREEN	PART OF	164 06	SARTORIUSBREEN		137 11
RUGGBREEN	PART OF	167 30	SCHEELEBREEN		134 06
RUGAASFONNA	PART OF	136 19	SCHEIBREEN		158 02
RUNDISEN		411 03	SCHELDERUPBREEN		163 09
RUNEBREEN NW		164 12	SCHJELDERUPBREEN, LUDOL	PART OF	213
RUNEBREEN SE		164 13	SCHWEIGAARDBREEN		252 01
RURIKBREEN		113 14	SCHWERDTBREEN		312 10
RUSKBREEN	PART OF	164 17	SCOTIABREEN	SM GLAC	151
RUSSEBREEN	PART OF	173 10	SCOTTBREEN		131 11
RUTENBERGBREEN	PART OF	313 18	SCOTT TURNERBREEN		142 11
RYGGBREEN	PART OF	121 02	SEDGWICKJØKULEN	PART OF	168 20
RYGGKOLLBREEN	PART OF	133 10	SEFSTRÖMBREEN		147 16
RYPEFJELLBREEN		136 36	SEIDBREEN		311 12
RÆDERBREEN	PART OF	157 06	SEKKEBREEN	PART OF	162 11
RØSBREEN	PART OF	147 10	SELIGERBREEN		162 10
RØYSBREEN	SM GLAC	154	SELLSTRÖMBREEN		158 09
RÅNEBREEN		133 13	SENTRALISEN	PART OF	168 20
			SERLABREEN		161 20
SABINEBREEN		241 03	SEXEBREEN		252 03

NAME	REMARK	IDENT	NAME	REMARK	IDENT
SIEDLECKIBREEN	PART OF	132 13	SKOLTBREEN	PART OF	142 17
SIEGERBREEN		132 07	SKONROKKBREEN	PART OF	149 01
SIGDBREEN	PART OF	132 14	SKREIFJELLBREEN		155 14
SIGNYBREEN	PART OF	124 09	SKRENTBREEN		311 28
SINDREBREEN	PART OF	172 01	SKROMBERGABREEN	SM GLAC	135
SISTEBREEN	PART OF	172 06	SKROTTBREEN		143 24
SJAKTBREEN	PART OF	136 09	SKRUISBREEN		113 08
SJETTEBREEN		157 09	SKRUKKEBREEN		167 28
SJUBREEN		157 11	SKRÅBREEN		168 09
SKANSDALSBREEN	PART OF	145 22	SKUTBREEN		135 12
SKARPEGGBREEN		157 21	SKÅLBREEN	PART OF	172 08
SKARVBREEN		311 22	SKÅLFJELLBREEN, AUSTRE	SM GLAC	124
SKARVISEN		133 07	SKÅLFJELLBREEN, VESTRE	SM GLAC	124
SKAUGUMBREEN		166 12	SLAKBREEN		136 09
SKAVLEFJELLBREEN		141 15	SLOTTSBREEN		135 21
SKILFONNA N	PART OF	121 04	SLYNGBREEN	PART OF	162 11
SKILFONNA S	PART OF	122 02	SLYNGFJELLBREEN	PART OF	125 01
SKILISEN E	PART OF	132 14	SLØRBREEN		156 17
SKILISEN W	PART OF	124 12	SMALEGGBREEN	PART OF	124 09
SKILRYGGBREEN	PART OF	125 01	SMALFJELLBREEN	PART OF	154 12
SKIMEBREEN		115 08	SMALGANGEN		153 15
SKINFAKSEBREEN		172 03	SMAUBREEN	SM GLAC	132
SKJERMISEN	PART OF	121 02	SMEERENBURGBREEN		158 04
SKJOLDFONNA E	PART OF	121 03	SMITHBREEN		161 04
SKJOLDFONNA N	PART OF	121 02	SMUTSBREEN		168 24
SKJOLDFONNA W	PART OF	121 04	SNØDOMBREEN		156 08
SKLIA		161 08	SNØKAMPBREEN	SM GLAC	137
SKOBREEN		134 08	SNØKUVBREEN		133 15
SKODDEBREEN	PART OF	125 05	SNØSALBREEN	SM GLAC	137
SKODDEFJELLBREEN	SM GLAC	124	SNØTOPPBREEN		233 04

NAME	REMARK	IDENT	NAME	REMARK	IDENT
SOCIETYBREEN, ROYAL	PART OF	169 03	STEENBREEN		154 15
SOFIEBREEN		124 19	STEENSTRUPBREEN		132 21
SOFIEBREEN, ANNA		153 07	STEINDOLPBREEN	PART OF	133 15
SOKKBREEN	PART OF	134 09	STENEHJEMBREEN		136 39
SOKKELBREEN	PART OF	115 02	STENHOUSEBREEN		144 18
SOKOLOVBREEN	PART OF	123 05	STENSIÖBREEN		146 06
SOLFONNA		141 02	STEPANOVBREEN	PART OF	121 01
SOLHEIMBREEN	PART OF	125 03	STERNABREEN	PART OF	158 12
SOLVEIGDOMEN N		321 04	STERTBREEN	PART OF	147 10
SOLVEIGDOMEN S	PART OF	321 03	STIGBREEN	SM GLAC	151
SOMOVBREEN	PART OF	124 12	STJERTBREEN	PART OF	162 11
SONKLARBREEN		111 03	ST. NIKOLAUSBEEN	PART OF	123 02
SOPHUSBREEN		146 12	STOLBREEN	PART OF	121 02
SOTRYGGFONNA		132 08	STOLLBREEN	PART OF	135 31
SOUTHAMPTONBREEN		168 17	STOLLEYBREEN		141 20
SPOREBREEN	PART OF	132 18	STONEBREEN		313 18
SPÆLBREEN	PART OF	115 05	STORBREEN		124 12
STABBFONNA	PART OF	121 04	STORINGBREEN	PART OF	162 11
STABBARPBREEN		135 01	STORMBREEN	PART OF	168 20
STABBEBREEN	PART OF	157 06	STORMFONNA E	PART OF	228
STABEISBREEN	PART OF	146 18	STORMFONNA W	PART OF	229
STADIONBREEN	PART OF	161 18	STORSKAVLEN		31
STAKKBREEN	PART OF	135 18	STORVOLBREEN		132 20
STALLOBREEN	PART OF	152 04	STORØYJØKULEN	ICECAP	211 01
STAUPBREEN		121 03	STRONGBREEN		115 02
STAUPTINDBREEN	PART OF	146 18	STUBENDORFFBREEN		168 22
STAURBREEN	PART OF	147 12	STUPTINDBREEN	PART OF	124 07
STAXRUDFONNA E	PART OF	162 10	STUTTBREEN	PART OF	168 22
STAXRUDFONNA N	PART OF	161 11	STUTTDALSBREEN		136 31
STAXRUDFONNA S	PART OF	156 14	STØRMERBREEN	PART OF	146 18

NAME	REMARK	IDENT	NAME	REMARK	IDENT
SUESSBREEN	PART OF	132 05	SØRE BUCHANANISEN		151 07
SULSBREEN	PART OF	114 05	SØRE FRANKLINBREEN		232 03
SUPANBREEN		156 13	SØRE KNEIKBREEN	PART OF	124 07
SVALBREEN		133 16	SØRFJELLBREEN	PART OF	171 01
SVALISBREEN		124 10	SØRKAPPFONNA		
SVALISEN	PART OF	132 22	SØRKAPPFONNA NE	PART OF	122 02
SVANSBREEN	PART OF	155 15	SØRKAPPFONNA NW	PART OF	123 03
SVARTDALSBREEN		166 05	SØRKAPPFONNA S	PART OF	122 06
SVARTKUVBREEN		122 04	SØRKAPPFONNA SE	PART OF	122 05
SVEABREEN		148 03	SØRKAPPFONNA SW	PART OF	123 02
SVEIGBREEN		113 09	SÅTEBREEN		135 15
SVEITSARFONNA	PART OF	132 05			
SVELLNOSBREEN	PART OF	136 19	TAGGBREEN	PART OF	156 12
SVENBREEN		145 12	TAGGKAMBREEN	PART OF	156 12
SVENDSENBREEN		142 10	TARMBREEN	PART OF	132 19
SVEN LUDVIGBREEN		173 02	TASSBREEN		154 09
SVERMISEN	PART OF	148 05	TAVLEBREEN		136 33
SVINGBREEN	PART OF	134 09	TEIKNARBREEN	PART OF	161 04
SVINGOMBREEN	PART OF	134 09	TELLBREEN		142 21
SVITJODBREEN		158 12	TELTSLETTA N	PART OF	169 10
SYDOWBREEN	PART OF	312 03	TELTSLETTA S	PART OF	169 09
SYKORABREEN	PART OF	121 04	TESSINBREEN	SM GLAC	158
SYNSHOVDBREEN		133 03	THOMSONBREEN		114 12
SYSSELMANNBREEN		132 22	TILLBERGFONNA		136 26
SØKKBREEN	PART OF	115 02	TILLEYBREEN	PART OF	173 07
SØLBREEN	PART OF	162 10	TINAYREBREEN		156 07
SØLVBREEN		146 25	TINDEBREEN		161 07
SØRBREEN		169 06	TINKARPBREEN		135 28
SØRBULLBREEN		114 04	TIROLARBREEN	PART OF	132 05
SØRE AURDALSBRE		137 07	TJALKBREEN	PART OF	157 09

NAME	REMARK	IDENT	NAME	REMARK	IDENT
TJUKKTARMEN	PART OF	161 11	TSJEBYSJOVBREEN	PART OF	124 04
TJØRNDALSBREEN		131 09	TUFSBREEN		136 27
TOMMELBREEN		172 15	TUNABREEN		144 03
TONEFJELLBREEN	SM GLAC	125	TUNGEBREEN		141 16
TONGBREEN	PART OF	156 01	TUNNELBREEN	SM GLAC	2
TONIKABREEN	PART OF	124 12	TURNERBREEN, SCOTT		142 11
TOPPBREEN	PART OF	122 05	TURRSJØBREEN	PART OF	125 05
TOPPBREEN	SM GLAC	135	TUVBREEN	PART OF	124 20
TORELLBREEN			TVERRBREEN	PART OF	131 16
TORELLBREEN, AUSTRE		125 03	TVILLINGBREANE		132 09
TORELLBREEN, VESTRE		125 05	TVISTEGBREEN	SM GLAC	158
TORGNYBREEN		149 07	TYDALSBREEN	PART OF	147 10
TORSFONNA			TYNNTARMEN	PART OF	158 04
TORSFONNA NE	PART OF	172 15	TØYENBREEN	PART OF	167 31
TORSFONNA NW	PART OF	172 13	TÅBREEN		169 11
TORSFONNA SW		172 12			
TRANSPARENTBREEN	PART OF	111 05	UGGBREEN		167 17
TREDJEBREEN		157 06	UGLEBREEN		165 13
TREKANTBREEN	PART OF	162 11	UJAMNBREEN	PART OF	153 19
TREKLØVERBREEN	PART OF	124 12	ULVEBREEN		112 06
TRETÅBREEN	PART OF	157 18	UNIVERSITETSBREEN		167 31
TRINGABREEN	PART OF	158 13	URANUSISEN	PART OF	168 20
TRINITY HALLBREEN	PART OF	172 06	URBREEN		146 27
TRITOPPBREANE	SM GLAC	151	URDKOLLBREEN		135 33
TROLLBREEN	PART OF	135 30	URIABREEN	SM GLAC	158
TROMSØBREEN		122 01	URNEBREEN	SM GLAC	124
TRONGSKARBREEN		155 01	URSAFONNA		
TRONISEN		135 23	URSAFONNA N	PART OF	173 08
TRUBREEN	PART OF	173 10	URSAFONNA S	PART OF	173 10
TRYGGVEBREEN		168 29	URSAFONNA W	PART OF	173 07

NAME	REMARK	IDENT
USHERBREEN		112 04
UVERSBREEN		154 13
VAIGATTBREEN		174 01
VALETTEBREEN	PART OF	123 03
VALHALLFONNA		
VALHALLFONNA E		171 05
VALHALLFONNA W	PART OF	171 01
VALHALLFONNA S	PART OF	172 01
VALLONBREEN	SM GLAC	133
VALLOTBREEN	PART OF	132 33
VALLÅKRABREEN		134 13
VARDEBREEN		141 04
VARDERYGGFONNA	PART OF	131 16
VARPBREEN		135 32
VASILIEVBREEN		122 02
VASSBREEN		172 07
VASSDALSBREEN		136 38
VASSKILBREEN, NORDRE		168 10
VASSKILBREEN, SØRE		168 11
VEGAFONNA:P.O.AUSTFONNA	ICECAP	2
VEGARDBREEN		153 10
VEGBREEN		136 16
VEGSKARET	PART OF	172 06
VEIDEBREEN		311 20
VEITBREEN		143 19
VENBREEN	PART OF	146 19
VENDOMBREEN		143 12
VENERNBREEN		152 03
VENETZBREEN		132 28
VENGEBREEN		133 14
VEOBREEN		157 02
VETTERNBREEN		152 02
VESALBREANE		
VESALBREEN, AUSTRE		151 11
VESALBREEN, VESTRE		151 12
VESTGØTABREEN	PART OF	152 05
VESTRE BRØGGERBREEN		155 03
VESTRE GRØNFJORDBREEN	PART OF	141 09
VESTRE LOGNEDALSBRE		131 06
VESTRE LOVÈNBREEN		155 05
VESTRE TORELLBREEN		125 05
VESTRE VESALBREEN		151 12
VESTFONNA	ICECAP	2
VESTJØKULEN	PART OF	124 07
VETERANEN		172 06
VICTORBREEN	PART OF	173 07
VIFTEBREEN	PART OF	147 10
VIGILBREEN	PART OF	114 11
VIKINGBREEN	PART OF	222 01
VIKSBREEN		158 05
VINDBREEN	PART OF	132 14
VINDEGGBREEN	PART OF	115 03
VINKELBREEN	PART OF	134 08
VINTERVEGEN		153 12
VITKOVSKIBREEN		123 04
VOGTBREEN		166 04
VONBREEN		164 06
VON POSTBREEN		144 02
VRANGPEISBREEN	PART OF	125 03

NAME	REMARK	IDENT
VRÅBREEN		135 09
VØRINGBREEN		141 05
VÅGSBREEN		241 05
WAGERBREEN	PART OF	173 10
WAGGONWAYBREEN		157 18
WAHLENBERGBREEN		148 05
WALDEMARBREEN		154 03
WANDBREEN		144 01
WERENSKIOLDBREEN		125 01
WERNERBREEN	SM GLAC	125
WIBEBREEN		124 15
WIEDERBREEN		123 06
WIENERBREEN	PART OF	124 20
WILLEBREEN		156 21
WILLYBREEN		322 05
WILNOBREEN	PART OF	132 14
WILSONBREEN	PART OF	111 05
WINSNESBREEN		222 04
WORSLEYBREEN		211 02
WOTHERSPOONBOTNEN	SM GLAC	145
YGGBREEN		167 25
YTSTEBREEN		157 22
ZAGRAISKIISEN	PART OF	132 13
ZAWADZKIBREEN		132 13
ZIMMERBREEN	PART OF	133 10
ØKSBREEN	PART OF	121 04
ØYDEBREEN	PART OF	122 02
ØYENBREEN		156 16
ØYFJELLBREEN	PART OF	162 10
ÅBREEN		114 02
ÅLBREEN	PART OF	169 18
ÅSGÅRDFONNA		
ÅSGÅRDFONNA E	PART OF	172 02
ÅSGÅRDFONNA E	PART OF	172 03
ÅSGÅRDFONNA N	PART OF	169 11
ÅSGÅRDFONNA NE	PART OF	171 01
ÅSGÅRDFONNA NW		169 10
ÅSGÅRDFONNA SE	PART OF	172 06
ÅSGÅRDFONNA SW	PART OF	169 01
ÅSGÅRDFONNA SW	PART OF	169 02
ÅSGÅRDFONNA W	PART OF	169 06
ÅSGÅRDFONNA W	PART OF	169 03
ÅSGÅRDFONNA W	PART OF	169 04
ÅSGÅRDFONNA W	PART OF	169 05
ÅSGÅRDFONNA W	PART OF	169 07
ÅSGÅRDFONNA W	PART OF	169 08
ÅSGÅRDFONNA W	PART OF	169 09
AAVATSMARKBREEN		154 04

GLACIERS OF JAN MAYEN

Beerenberg viewed from the northwest on 23 August 1949. Weyprechtbreen, the outlet glacier that emanates from a breach in the summit crater, has the largest calving front of all the Jan Mayen glaciers. Oblique aerial photograph No. JM490811 from Norsk Polarinstitutt, Oslo.

Jan Mayen is the northernmost island on the Mid-Atlantic Ridge, located at 71°N, 8°W. The island covers an area of 381 km^2 and consists of two types of landscape: Nord-Jan with the 2277 m high Beerenberg volcano cone, and Sør-Jan which is fairly flat and where the highest mountain is 769 m a.s.l. Jan Mayen is situated on the boundary between the cold East Greenland Current and the warm Atlantic currents in the Norwegian Sea. Meteorological observations since 1922 show that the climate is cool oceanic with a mean (1951-1980) annual temperature of -1.2°C near sea level and a mean (1963-1980) precipitation of 685 mm (Steffensen 1982). The island consists of young volcanic rocks. The most recent eruption occurred in 1970 when 3.6 km^2 of new land were formed in the sea (Siggerud 1972).

The glaciers are concentrated on the slopes of Beerenberg (Map 17) and cover 114 km^2, which is nearly 30% of the whole island. They can be divided into 20 separate ice streams. Some of the northwest-facing glaciers extend to sea level and calve into the sea. The mean glacier elevation is 850 m a.s.l. Mass balance investigations (Orheim 1976; Anda 1980) indicate that the equilibrium line altitude varies from about 600 m a.s.l. on the northwest-facing glaciers to about 900 m a.s.l. on southward-facing ones, probably due mainly to variations in the winter accumulation since precipitation is mostly carried on north-northwesterly winds (Steffensen 1982). The mass balance measurements were mainly carried out on Sørbreen and showed a winter balance of 1-2 m of water equivalents. There are large local variations resulting from wind drift and undulating surface topography. The high equilibrium line also explains why there are no glaciers on Sør-Jan. Supraglacial material covers large parts of the lower ablation areas of many of the glaciers on Nord-Jan.

The glaciers on Jan Mayen were first described by Vogt (1863). Later, Mohn (1878, 1882) published some descriptions of the glaciers. The first scientific expedition to Jan Mayen was carried out by Austria in 1882/83. Many of the glaciers were mapped and described and some flow measurements were made (Boldva 1886). In 1937, Sørbreen was mapped (Flint 1948), and in 1938 most of the glacier front positions were surveyed (Jennings 1939, 1948). The glaciers were later studied by Kinsman & Sheard (1963), Sheard (1965), and Dibben(1965). More recent investigations have been carried out by Orheim (1976) and Anda (1980).

Late Holocene glacier variations have been described by Fitch et al. (1962), Lamb et al. (1962) and Anda, Orheim & Mangerud (1985). According to these authors, the glaciers seem to have reached their maximum extension during the Little Ice Age around A.D. 1850. Glacier retreat began around 1910, which corresponds with the start of the recent retreat of the glaciers in Svalbard. The retreat ceased around 1950, when the glacier fronts were probably at their minimum positions in historic times. After 1950, the glaciers have advanced, but their activity culminated around 1960-65. Since then, the fronts seem to have been almost stable.

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N 4W0 JAN MAYEN 1 JAN MAYEN

1 JAN MAYEN

IDENT	GLACIER NAME	LAT N	LONG E	ASPECT AC	ASPECT AB	CLASS	MOR	PHOTO T	PHOTO YR	AREA (km^2)	A	LEN. (km)	YR	ELEVATIONS M A.S.L. MAX	MED	MIN	EQL	A	VOL. (km^3)	NOTE
011 01	SØRBREEN	71 021	8 114	S	S	4302	44	F	75	15.00	1	8.7	75	2200	940	80	X900	3		KOB M
011 02	KPR OLAVS BRE SW	71 028	8 168	SW	SW	0302	24	F	75	11.40	1	7.4	75	2240	860	440	X850	3		KOB *
011 03	KERCKHOFFBREEN	71 038	8 184	W	W	4302	24	F	75	9.00	1	7.3	75	2200	860	280	X800	3		KOB
011 04	CHARCOTBREEN	71 050	8 180	W	W	4302	22	F	75	5.55	1	6.9	75	2240	880	40	X750	3		
011 05	VESTISEN	71 055	8 166	W	W	0302	24	F	75	2.30	1	3.4	75	1500	860	540	X750	3		*
011 06	JORISBREEN	71 061	8 162	NW	NW	4302	29	F	75	3.30	1	6.0	75	2260	980	20	X700	3		
011 07	HAMARBREEN	71 065	8 150	NW	NW	5302	40	F	75	2.25	1	4.7	75	1580	720	10	X650	3		
011 08	WEYPRECHTBREEN	71 070	8 120	NW	NW	5343	20	F	75	8.90	1	6.8	75	2080	800	0	X600	3		
011 09	GJUVBREEN	71 025	8 104	N	NW	5302	20	F	75	2.80	1	5.3	75	2100	660	0	X550	3		
011 10	KJERULFBREEN	71 078	8 032	N	NW	4343	20	F	75	5.80	1	6.4	75	2140	900	0	X600	3		
011 11	SVEND FOYNBREEN	71 080	8 066	N	NW	4343	20	F	75	2.60	1	4.6	75	1400	800	0	X650	3		KMB
011 12	KPRS MARTHAS BRE	71 028	8 028	NE	NE	0305	24	F	75	9.40	1	4.7	70	1320	710	420	X700	3		KMB *5
011 13	DUFFERINBREEN	71 066	8 018	E	E	4305	09	F	75	1.55	1	3.7	75	1500	920	400	X750	3		KMB
011 14	FRIELEBREEN	71 062	8 030	E	E	4353	20	F	75	2.80	1	5.0	75	1660	780	0	X700	3		
011 15	PR HARALDS BRE	71 058	8 036	E	E	4353	20	F	75	3.50	1	5.3	75	2200	980	0	X700	3		
011 16	GRIEGBREEN	71 049	8 036	E	E	4103	20	F	75	4.95	1	5.1	75	2160	830	10	X750	3		
011 17	WILLEBREEN	71 042	8 042	E	E	4102	20	F	75	5.50	1	5.9	75	2160	900	0	X800	3		KOB
011 18	PETERSENBREEN	71 033	8 036	SE	E	4302	22	F	75	5.35	1	5.5	75	1620	820	230	X850	3		KOB
011 19	FOTHERBYBREEN	71 023	8 008	SE	SE	4302	24	F	75	9.00	1	7.2	75	2140	820	300	X850	3		KOB
011 20	WARDBREEN	71 023	8 034	S	SE	4302	22	F	75	3.25	1	5.7	75	2200	1010	550	X900	3		KOB

28 glaciers < 1 km^2 A= 12.30 km^2

SUMMARIES

IDENT	BASIN NAME	BASIN AREA km^2	NUMBER OF GLACIERS	TOTAL GLACIER AREA km^2	GLACIER COVER %	MEAN GLACIER ELEVATION MASL	CLIMATIC EQUILIBRIUM LINE MASL
011	JAN MAYEN	381	48	117	30	850	740

ALPHABETICAL LIST OF THE GLACIERS OF JAN MAYEN (N 4W0)

NAME	REMARK	IDENT	NAME	REMARK	IDENT
CHARCOTBREEN		011 04	KRONPRINS OLAVS BRE SE	PART OF	011 19
CLARKEBREEN	PART OF	011 17	KRONPRINS OLAVS BRE SW		011 02
DUFFERINBREEN		011 13	KRONPRINS OLAVS BRE W	PART OF	011 03
FOTHERBYBREEN		011 19	KRONPRINSESSE MARTHAS BRE		
FOYNBREEN, SVEND		011 11	KRONPRINSESSE MARTHAS BRE NE		011 12
FRIELEBREEN		011 14	KRONPRINSESSE MARTHAS BRE NW	PART OF	011 11
GJUVBREEN		011 09	KRONPRINSESSE MARTHAS BRE S	PART OF	011 14
GRIEGBREEN		011 16	KRONPRINSESSE MARTHAS BRE SE	PART OF	011 13
HAMARBREEN		011 07	KRONPRINSESSE MARTHAS BRE W	PART OF	011 10
HARALDS BRE, PRINS		011 15	PETERSENBREEN		011 18
ISBRODDFONNA	PART OF	011 08	PRINS HARALDS BRE		011 15
JORISBREEN		011 06	SIGURDBREEN	PART OF	011 12
KERCKHOFFBREEN		011 03	SMITHBREEN	PART OF	011 12
KJERULFBREEN		011 10	SVEND FOYNBREEN		011 11
KLOSTERISEN	PART OF	011 16	SØRBREEN		011 01
KRONPRINS OLAVS BRE			VESTISEN		011 05
KRONPRINS OLAVS BRE C	PART OF	011 01	WARDBREEN		011 20
KRONPRINS OLAVS BRE CE	PART OF	011 20	WEYPRECHTBREEN		011 08
KRONPRINS OLAVS BRE E	PART OF	011 18	WILLEBREEN		011 17
KRONPRINS OLAVS BRE NE	PART OF	011 17			

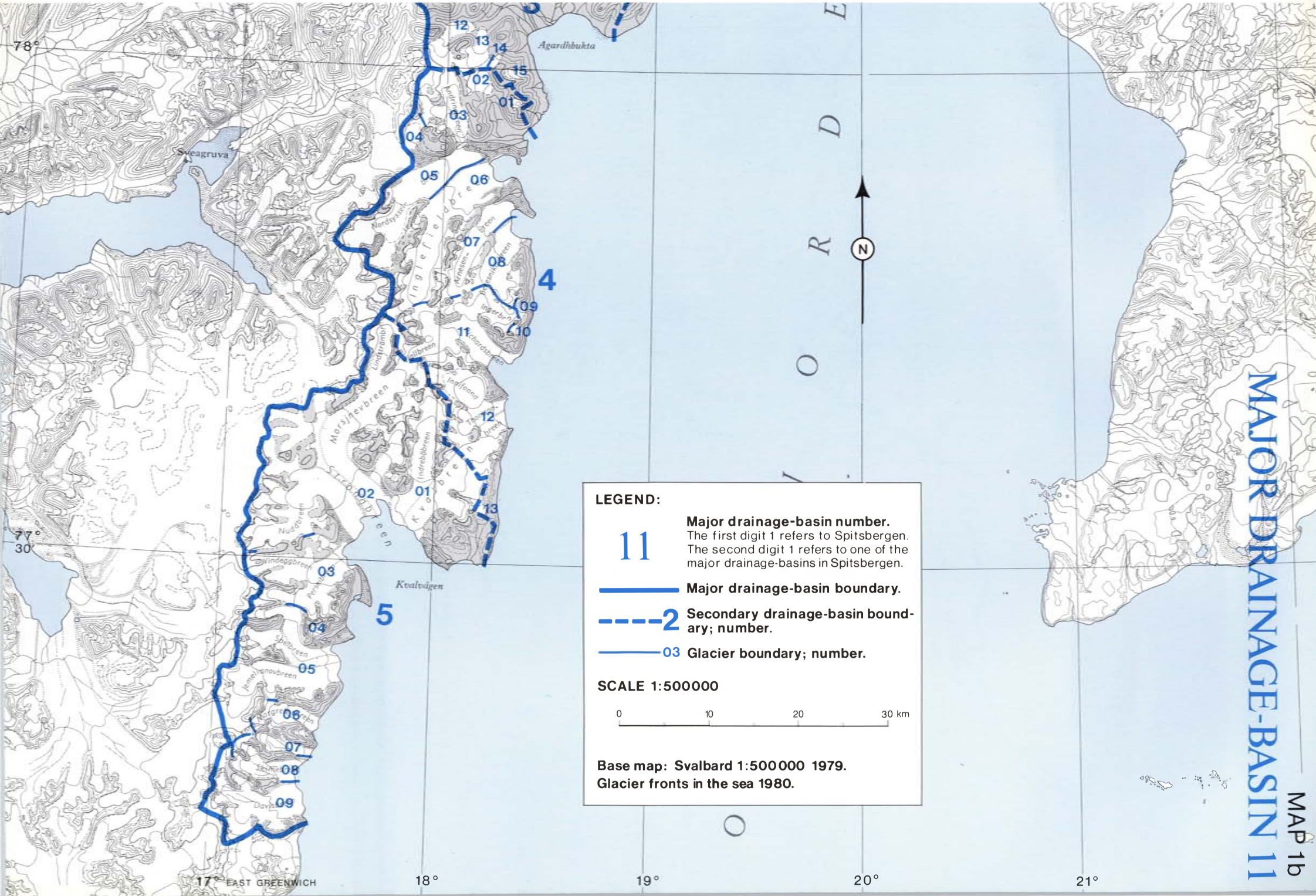
MAPS

GLACIER ATLAS

SVALBARD AND JAN MAYEN

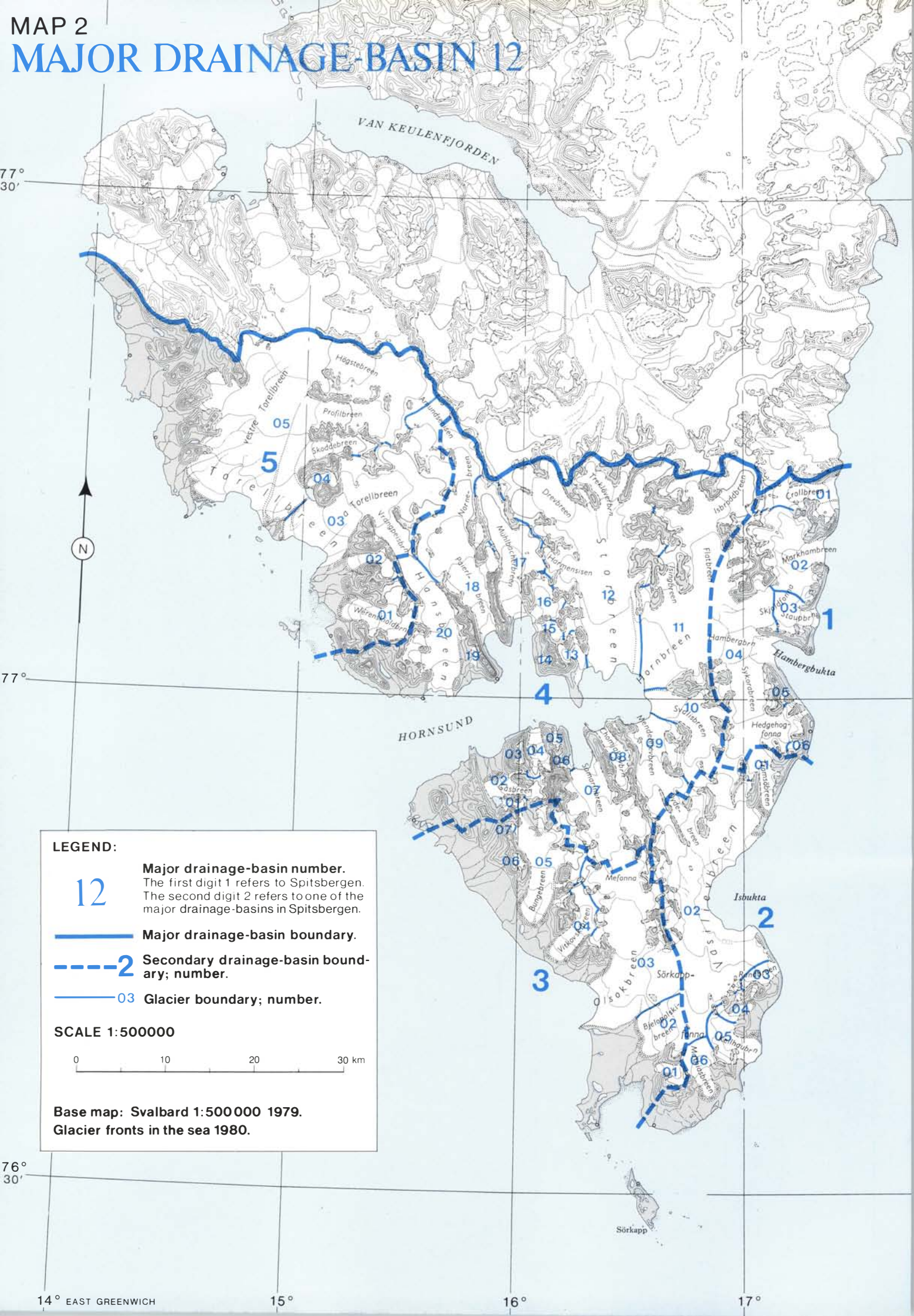
MAP 1a

MAJOR DRAINAGE-BASIN 11


78°
77° 30'
17° EAST GREENWICH
18°
19°
20°
21°
Agardhbukta
Sweagruva
Kvalvågen
4
5
N
LEGEND:
11
Major drainage-basin number. The first digit 1 refers to Spitsbergen. The second digit 1 refers to one of the major drainage-basins in Spitsbergen.
Major drainage-basin boundary.
2
Secondary drainage-basin boundary; number.
03
Glacier boundary; number.
SCALE 1:500000
0
10
20
30 km
Base map: Svalbard 1:500000 1979.
Glacier fronts in the sea 1980.
MAJOR DRAINAGE-BASIN 11
MAP 1b

MAP 2

MAJOR DRAINAGE-BASIN 12



LEGEND:

12 — **Major drainage-basin number.** The first digit 1 refers to Spitsbergen. The second digit 2 refers to one of the major drainage-basins in Spitsbergen.

Major drainage-basin boundary.

2 — **Secondary drainage-basin boundary; number.**

03 — **Glacier boundary; number.**

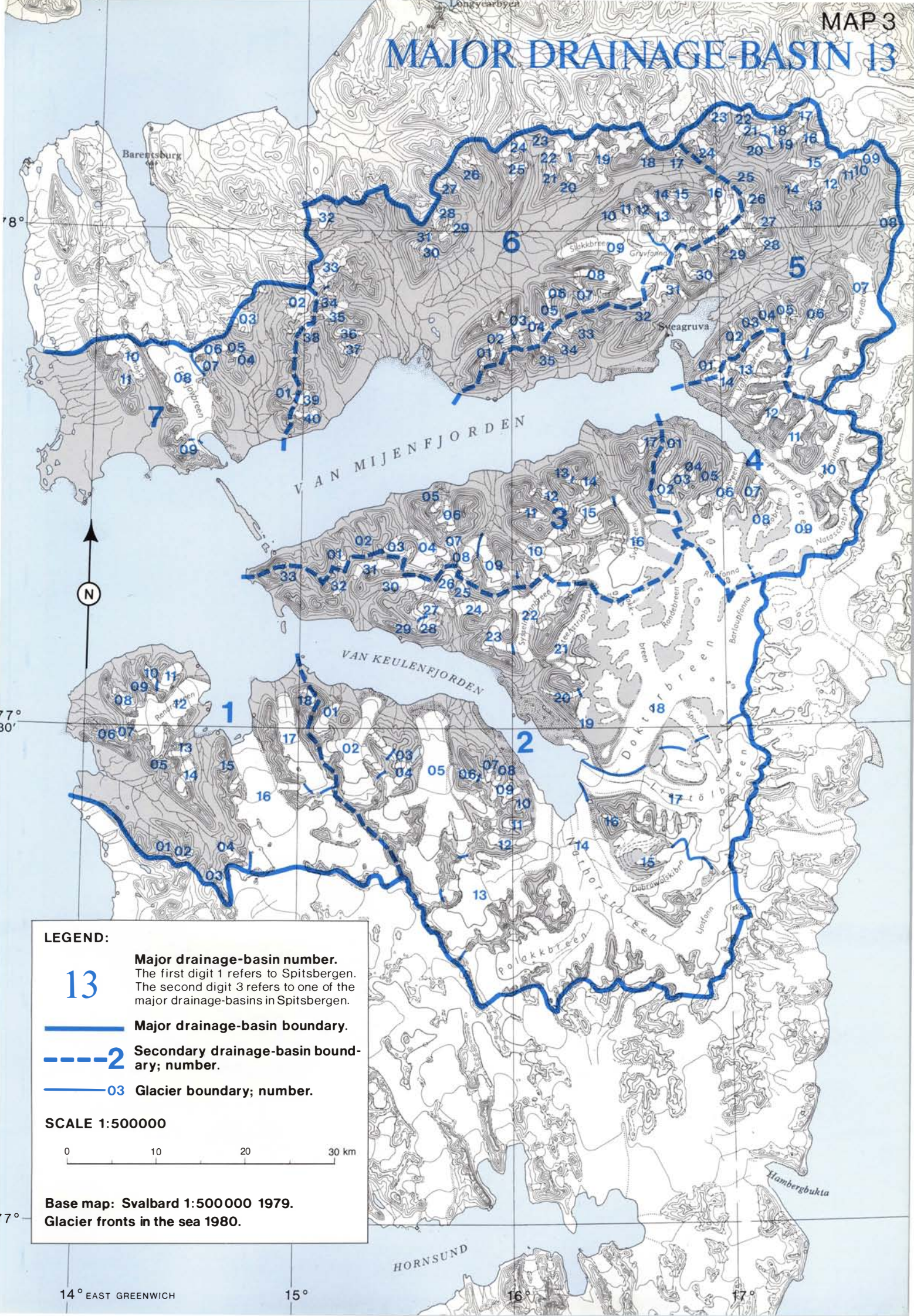
SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1979.
Glacier fronts in the sea 1980.

MAP 3

MAJOR DRAINAGE-BASIN 13



LEGEND:

13 **Major drainage-basin number.** The first digit 1 refers to Spitsbergen. The second digit 3 refers to one of the major drainage-basins in Spitsbergen.

Major drainage-basin boundary.

2 **Secondary drainage-basin boundary; number.**

03 **Glacier boundary; number.**

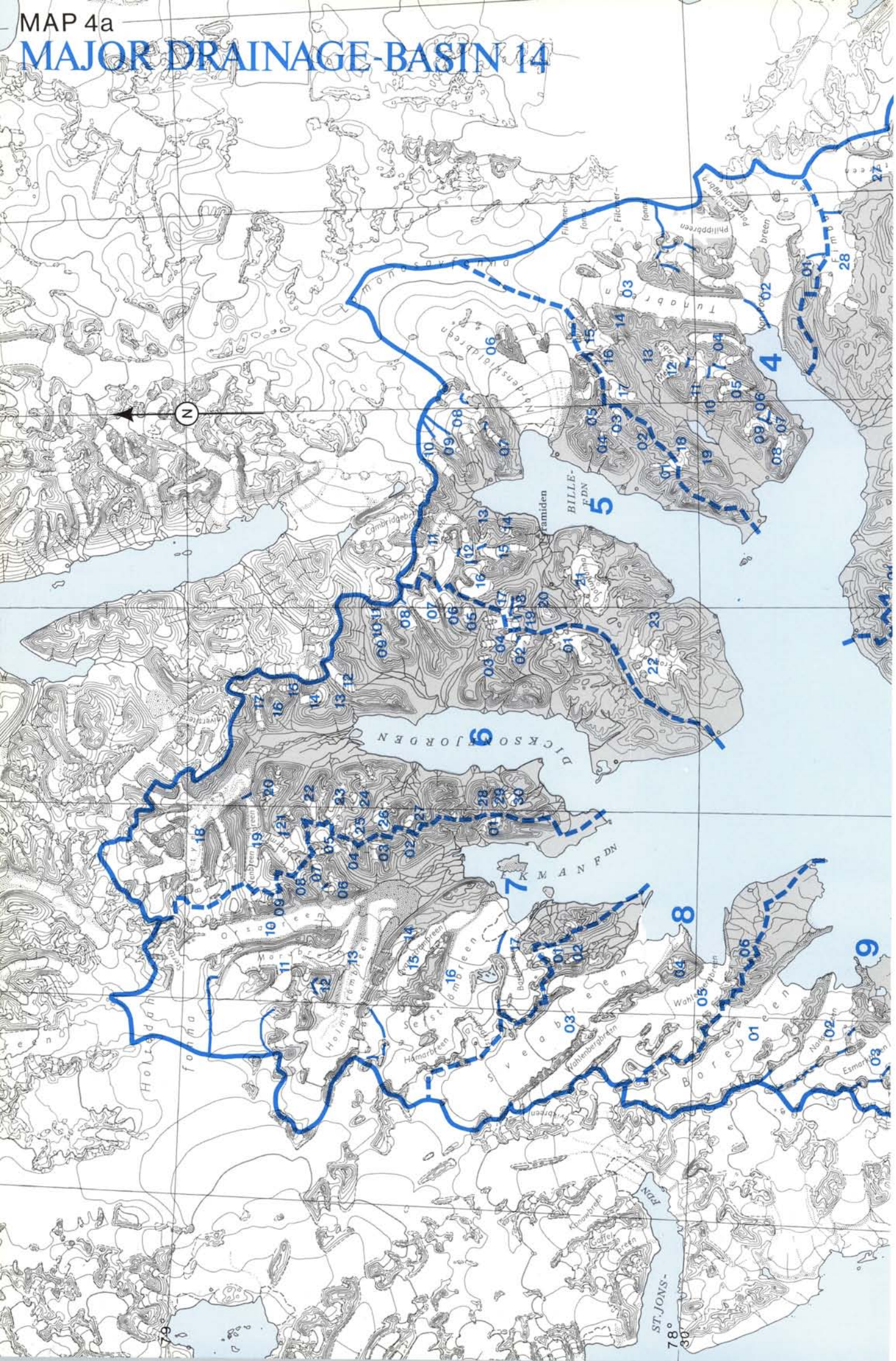
SCALE 1:500000

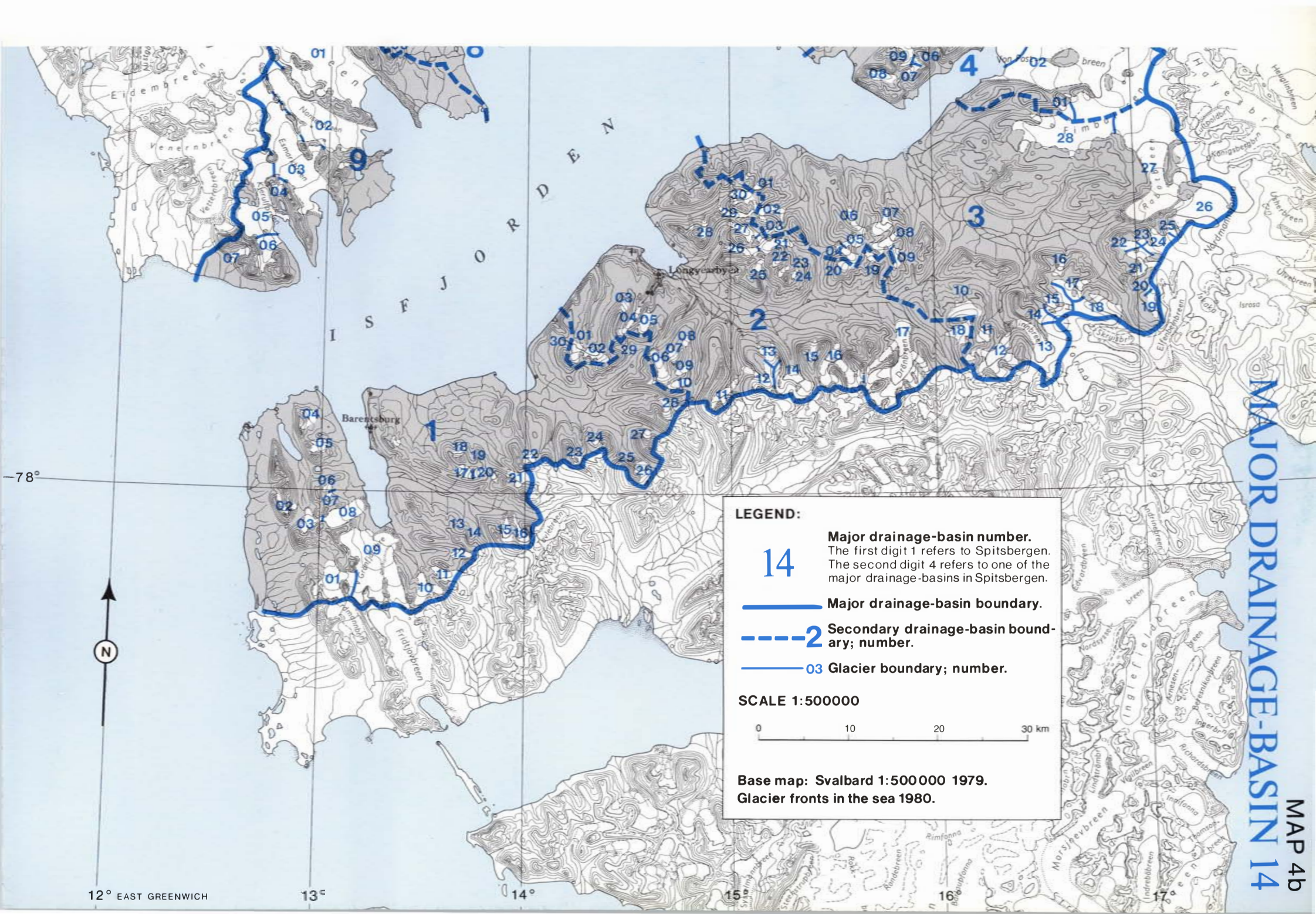
0 10 20 30 km

Base map: Svalbard 1:500000 1979.
Glacier fronts in the sea 1980.

MAP 4a

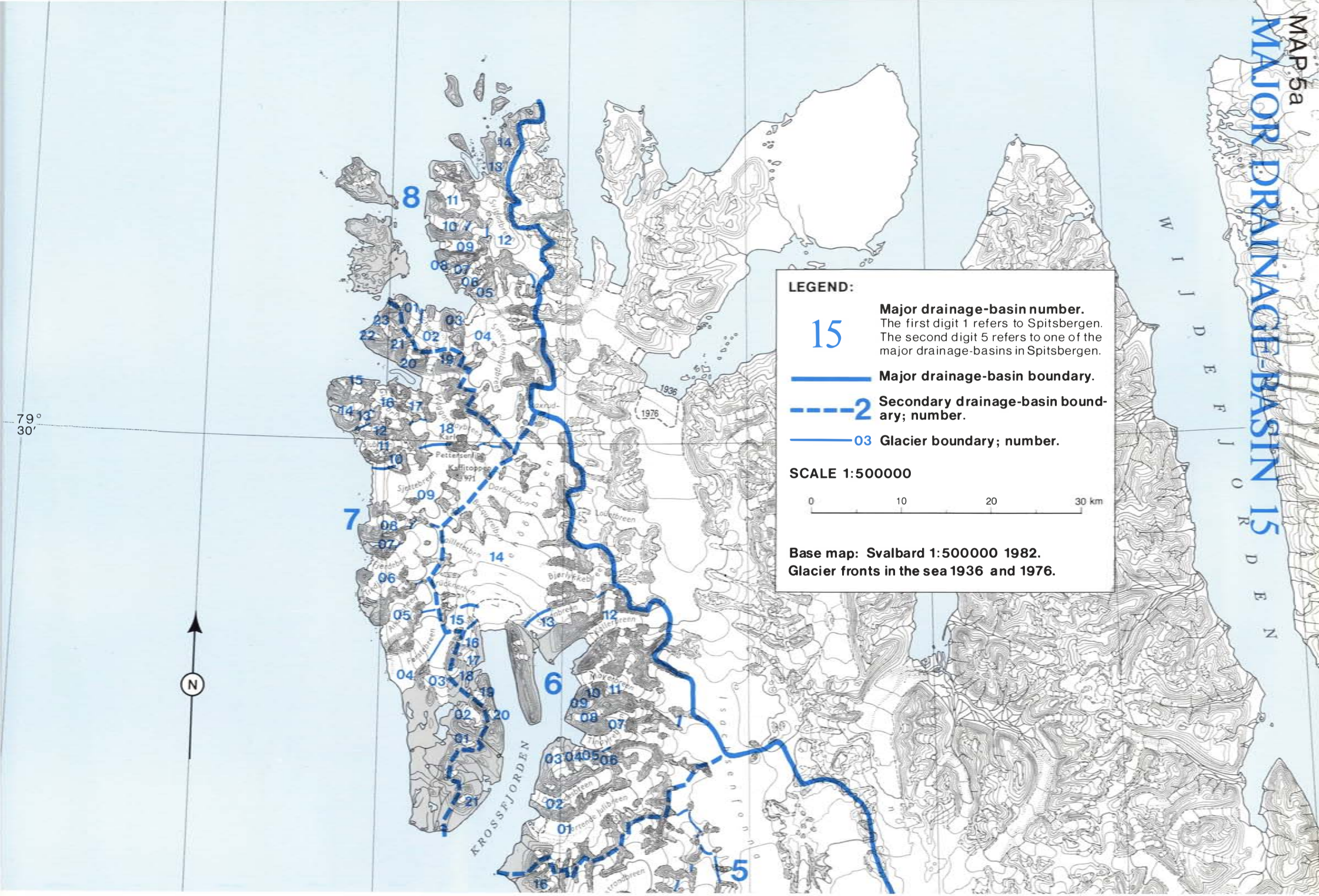
MAJOR DRAINAGE-BASIN 14




MAJOR DRAINAGE-BASIN 14
MAP 4b
LEGEND:
14
Major drainage-basin number.
The first digit 1 refers to Spitsbergen.
The second digit 4 refers to one of the major drainage-basins in Spitsbergen.
Major drainage-basin boundary.
2
Secondary drainage-basin boundary; number.
03 Glacier boundary; number.
SCALE 1:500000
0
10
20
30 km
Base map: Svalbard 1:500000 1979.
Glacier fronts in the sea 1980.
ISFJORDEN
Barentsburg
Longyearbyen
78°
12° EAST GREENWICH
13°
14°
15°
16°
17°
N

MAP 5a

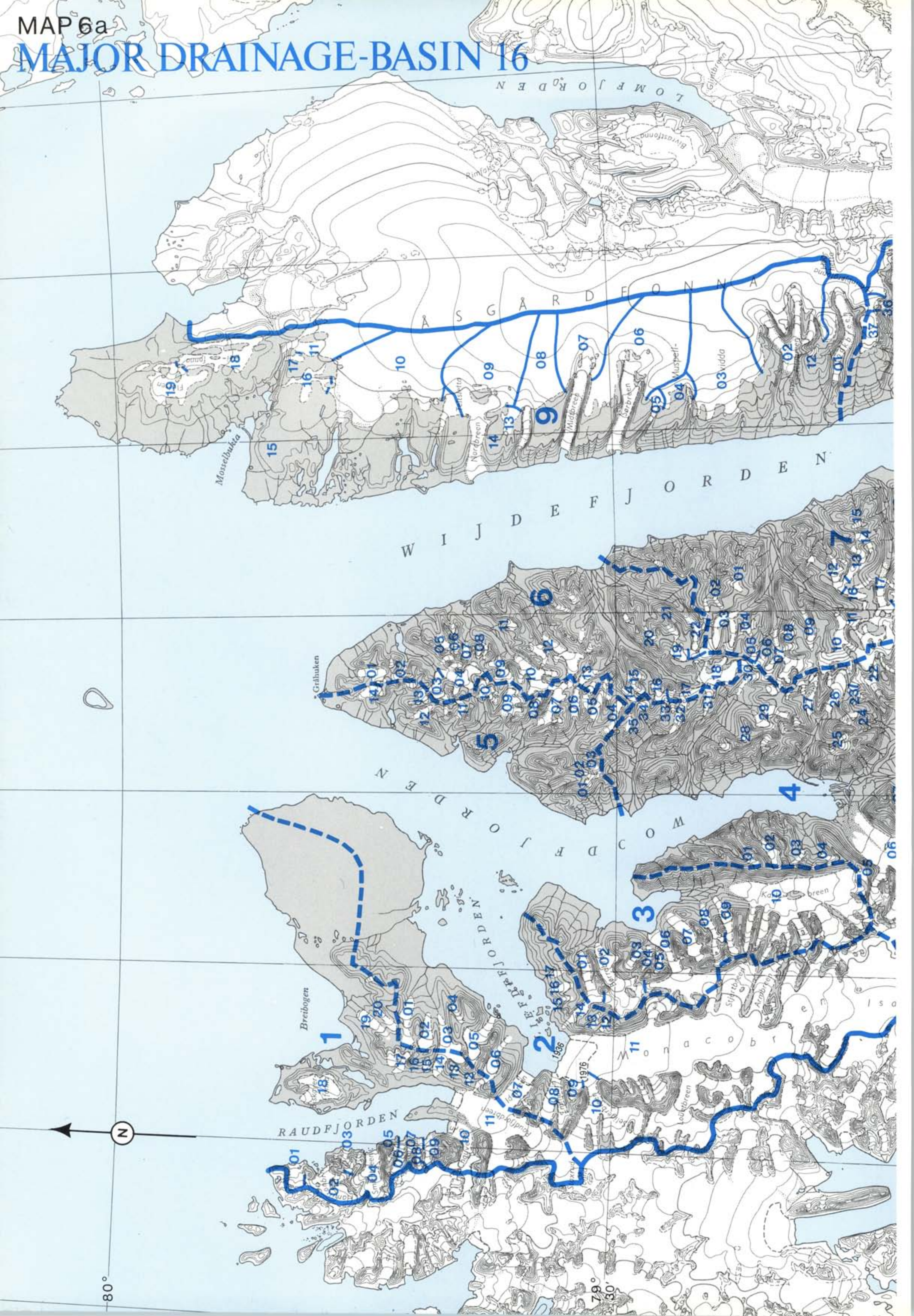
MAJOR DRAINAGE-BASIN 15

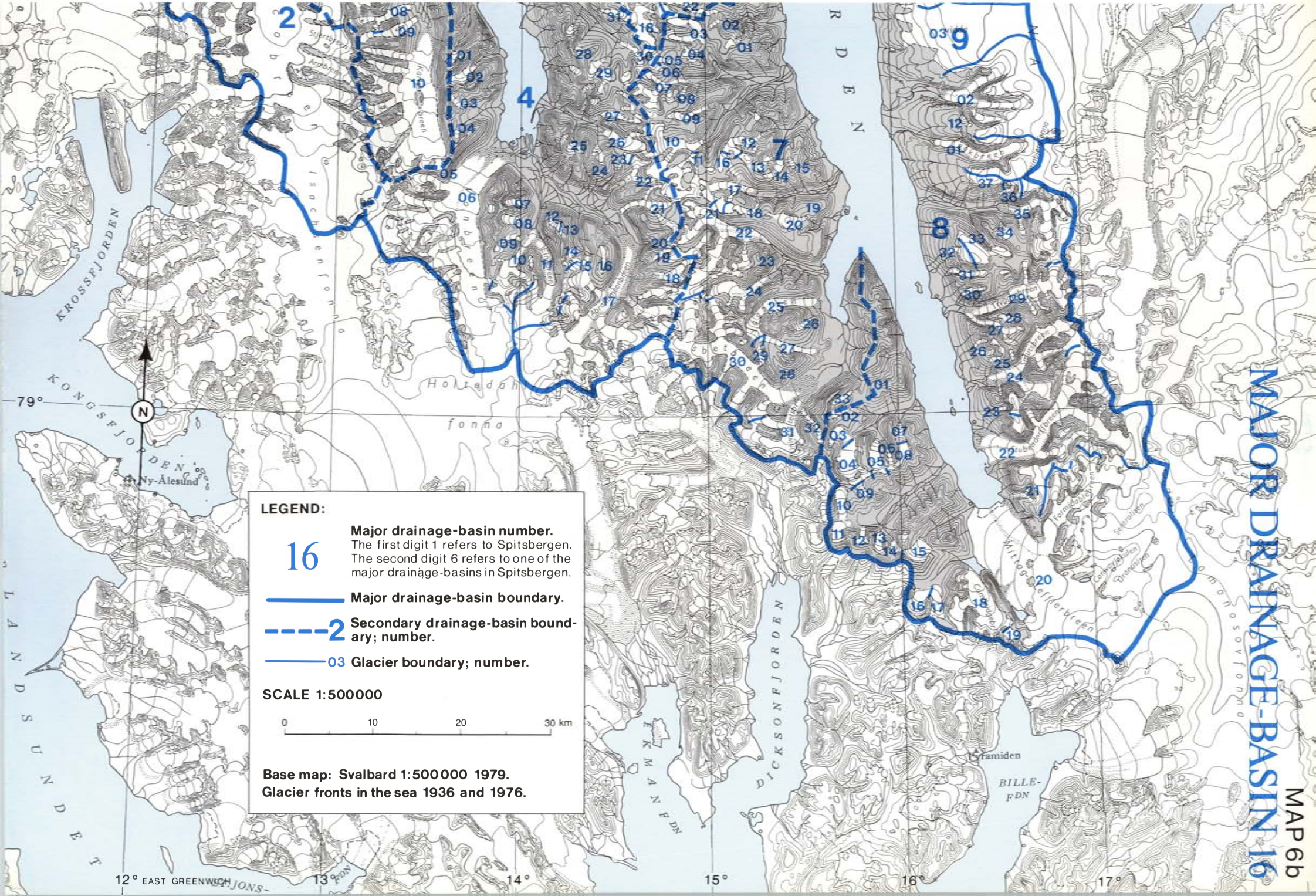


MAJOR DRAINAGE-BASIN 15

MAP 6a

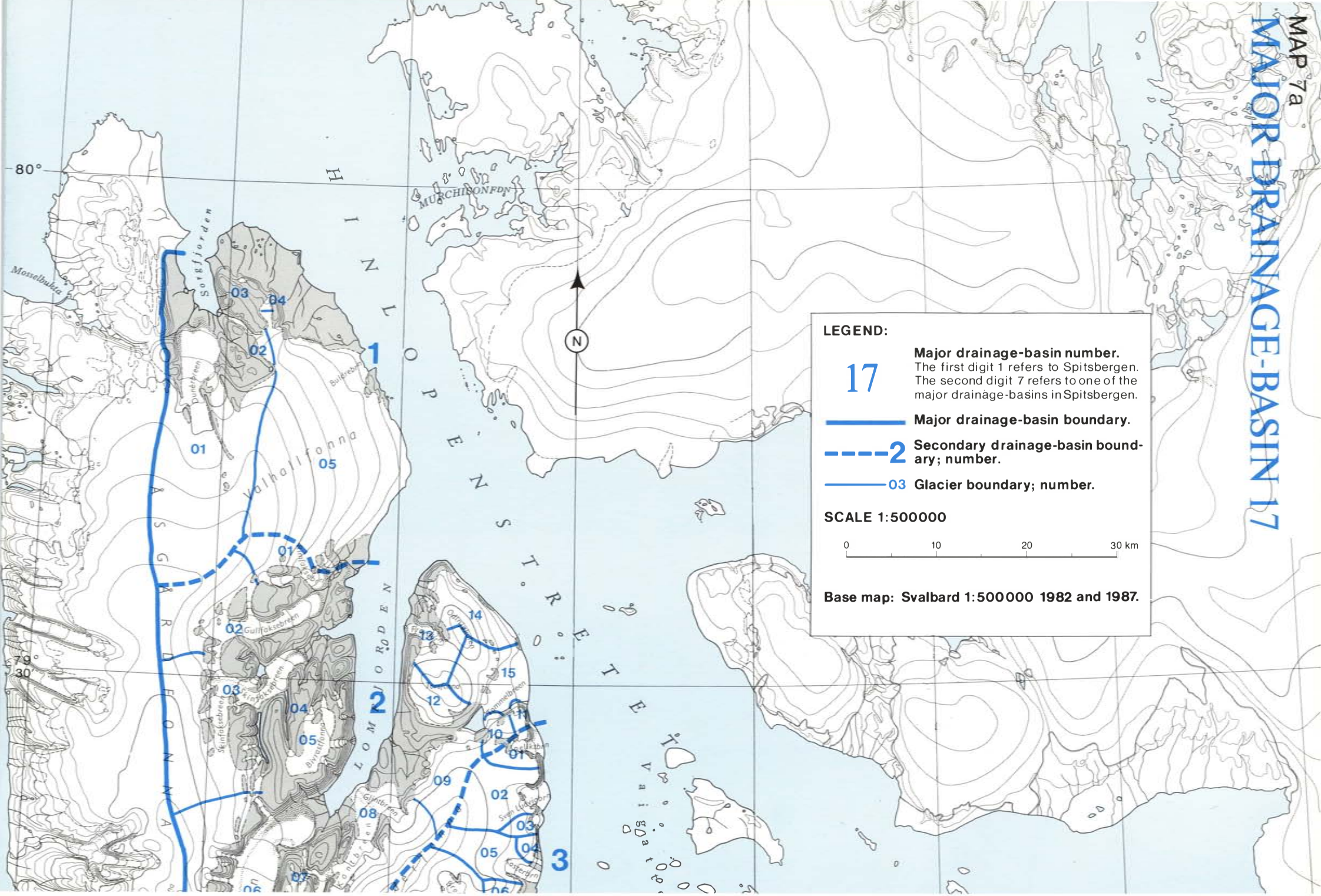
MAJOR DRAINAGE-BASIN 16




MAJOR DRAINAGE-BASIN 16
MAP 6b
LEGEND:
16
Major drainage-basin number. The first digit 1 refers to Spitsbergen. The second digit 6 refers to one of the major drainage-basins in Spitsbergen.
Major drainage-basin boundary.
2
Secondary drainage-basin boundary; number.
03
Glacier boundary; number.
SCALE 1:500000
0
10
20
30 km
Base map: Svalbard 1:500000 1979.
Glacier fronts in the sea 1936 and 1976.
KONGSFJORDEN
KROSSFJORDEN
LANDSUNDET
DICKSONFJORDEN
Ny-Ålesund
Tyramiden
79°
12° EAST GREENWICH
13°
14°
15°
16°
17°

MAP 7a

MAJOR DRAINAGE-BASIN 17



MAP 7b

MAJOR DRAINAGE-BASIN 17

MAP 8a

MAJOR DRAINAGE-BASIN 21

LEGEND:

21 **Major drainage-basin number.** The first digit 2 refers to Nordaustlandet. The second digit 1 refers to one of the major drainage-basins in Nordaustlandet.

Major drainage-basin boundary.

2 **Secondary drainage-basin boundary; number.**

03 **Glacier boundary; number.**

SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1987.
Glacier fronts in the sea 1976.

80°

79° 30′

79°

20° EAST GREENWICH

21°

22°

23°

Palanderisen

Vegabonna

Mariebreen

Rosenthalbreen

Saddomen

Bråsvellbreen

HINLOPENSTRETET

ATTBOGEN

14

13

12

11

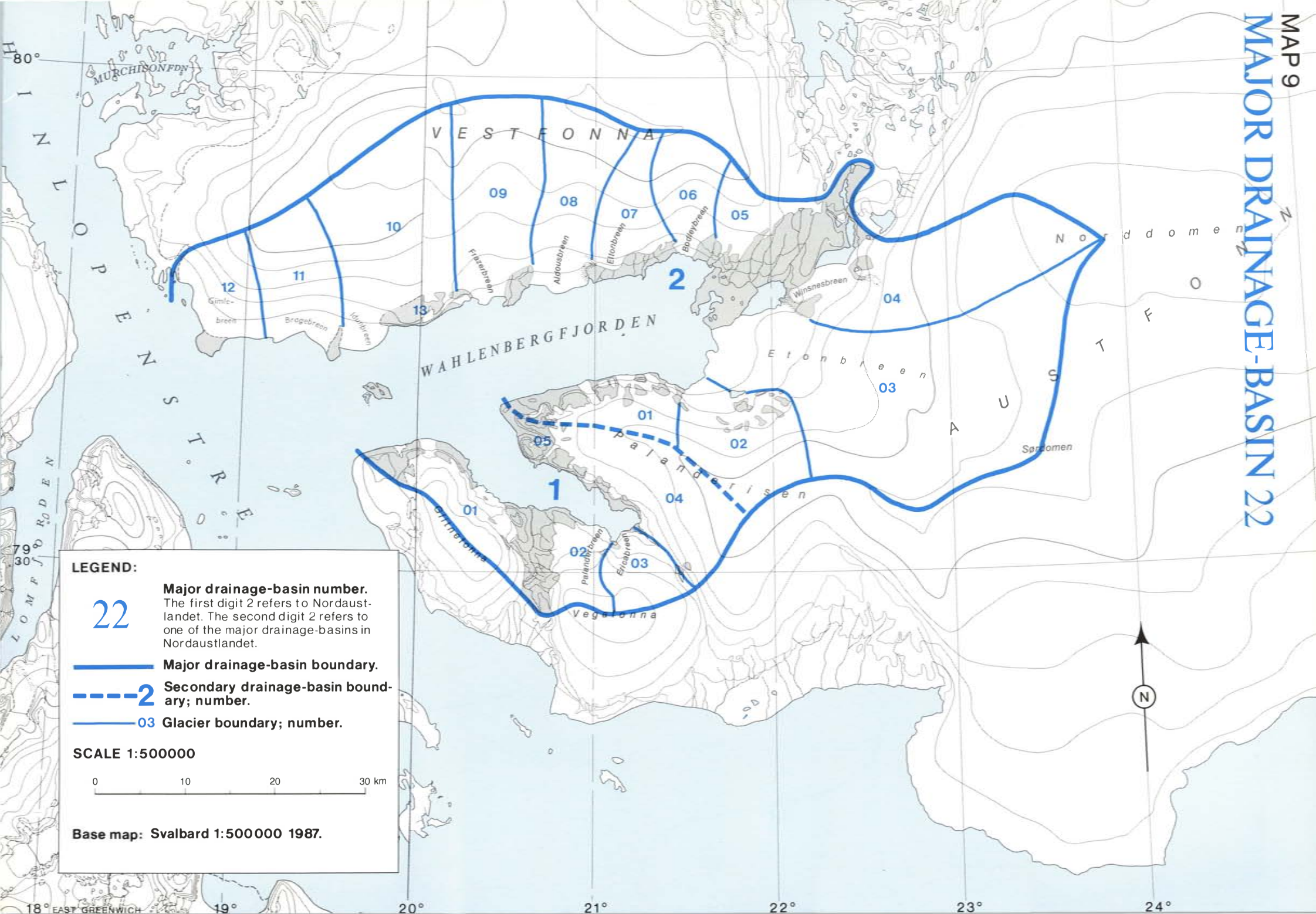
10

1

N

MAP 8b

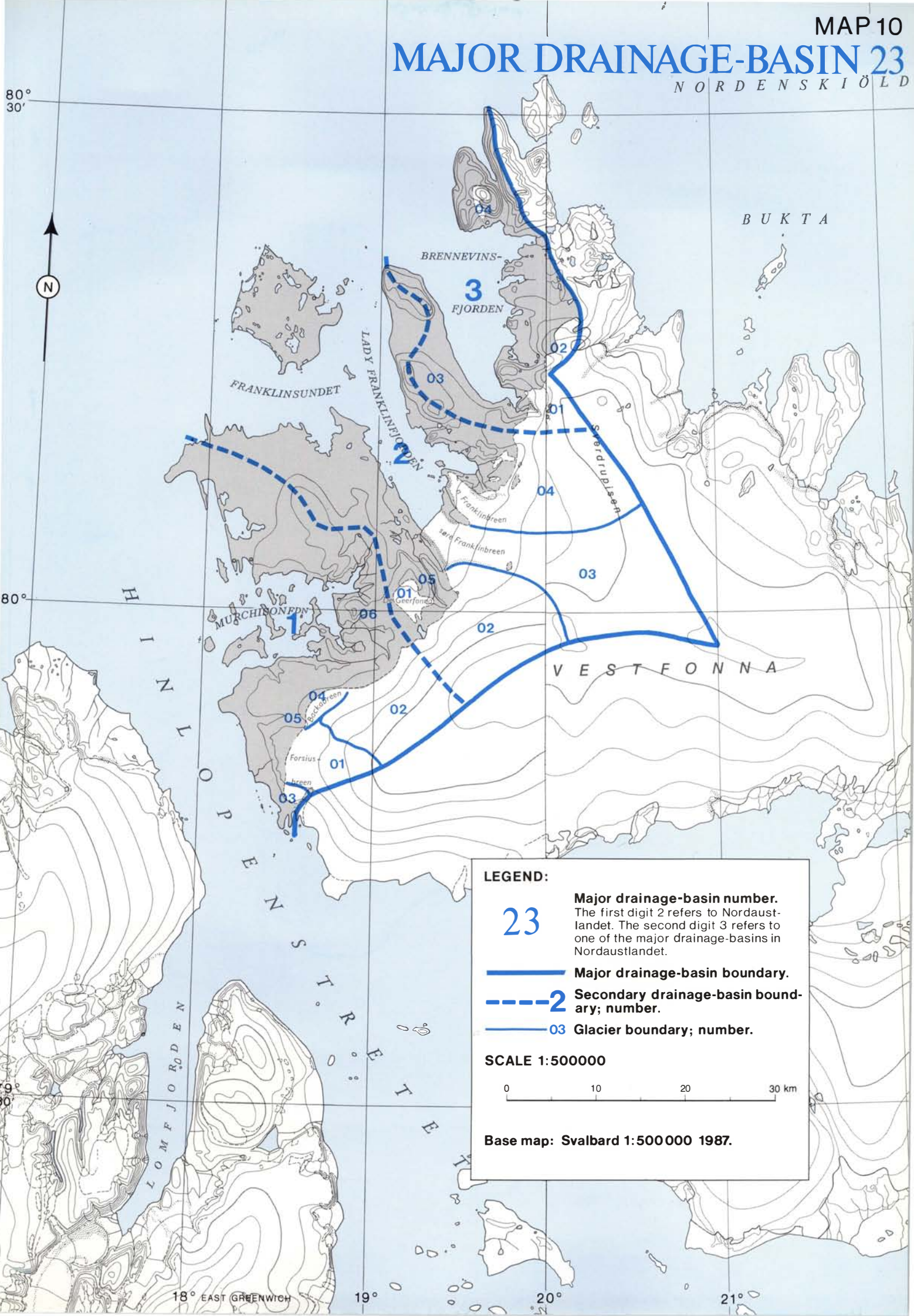
MAJOR DRAINAGE-BASIN 21


MAP 9
MAJOR DRAINAGE-BASIN 22
80°
MURCHISONFJD
VESTFONNA
09
08
07
06
05
10
11
12
13
2
Gimle-breen
Bragebreen
Idunbreen
Fridtjofbreen
Aldousbreen
Ellonbreen
Bodleybreen
Wijnsnesbreen
04
WAHLENBERGFJORDEN
Ellonbreen
03
01
02
05
1
Palanderisen
04
01
02
03
Palanderbreen
Ericabreen
Vegafonna
Sørdomen
Nordaustlandet
79°30'
18° EAST GREENWICH
19°
20°
21°
22°
23°
24°
N
LEGEND:
22
Major drainage-basin number. The first digit 2 refers to Nordaustlandet. The second digit 2 refers to one of the major drainage-basins in Nordaustlandet.
Major drainage-basin boundary.
2
Secondary drainage-basin boundary; number.
03
Glacier boundary; number.
SCALE 1:500000
0
10
20
30 km
Base map: Svalbard 1:500000 1987.

MAP 10

MAJOR DRAINAGE-BASIN 23

NORDENSKIÖLD



LEGEND:

23 **Major drainage-basin number.** The first digit 2 refers to Nordaustlandet. The second digit 3 refers to one of the major drainage-basins in Nordaustlandet.

Major drainage-basin boundary.

2 **Secondary drainage-basin boundary; number.**

03 **Glacier boundary; number.**

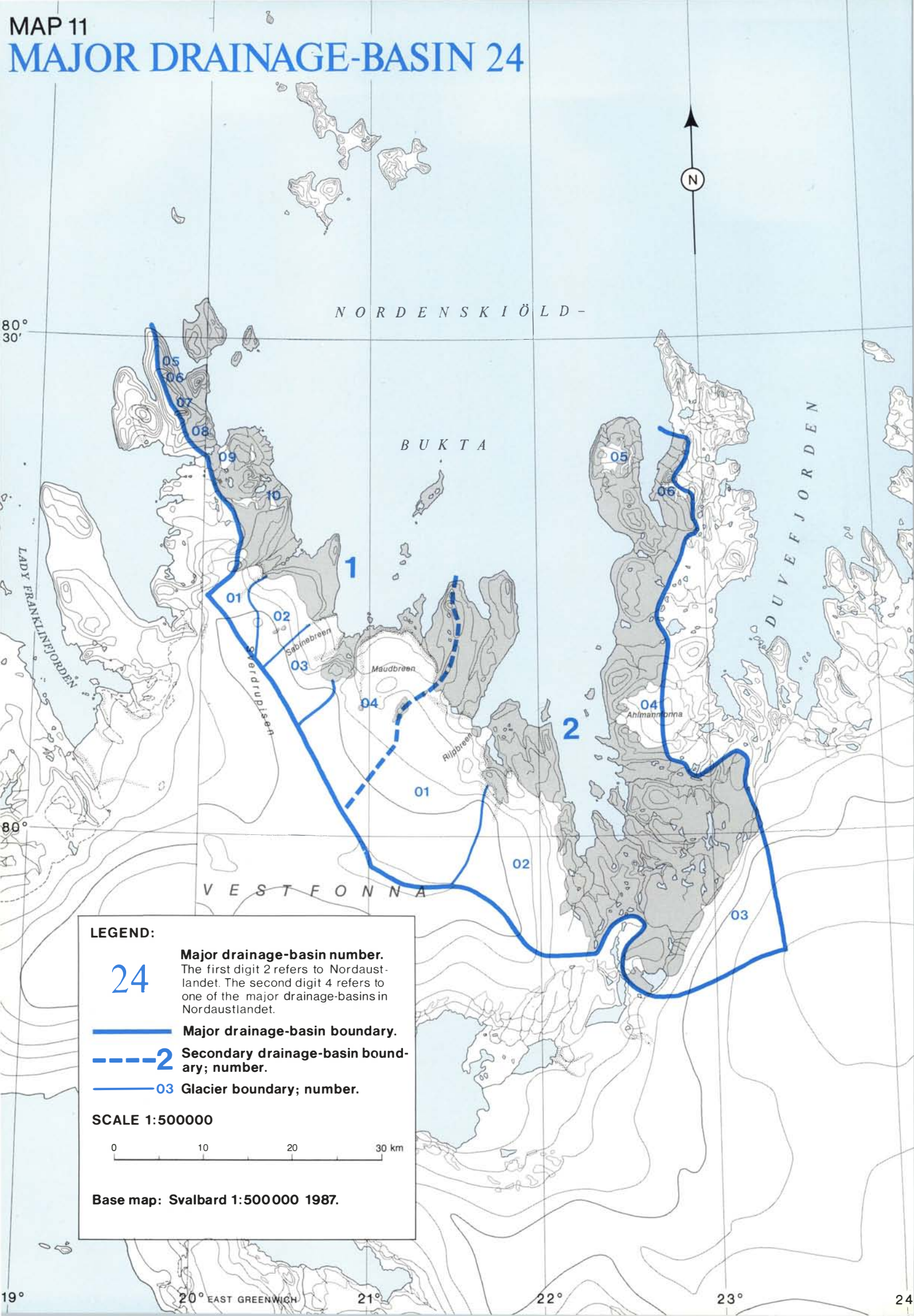
SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1987.

MAP 11

MAJOR DRAINAGE-BASIN 24



LEGEND:

24 **Major drainage-basin number.** The first digit 2 refers to Nordaustlandet. The second digit 4 refers to one of the major drainage-basins in Nordaustlandet.

Major drainage-basin boundary.

2 **Secondary drainage-basin boundary; number.**

03 **Glacier boundary; number.**

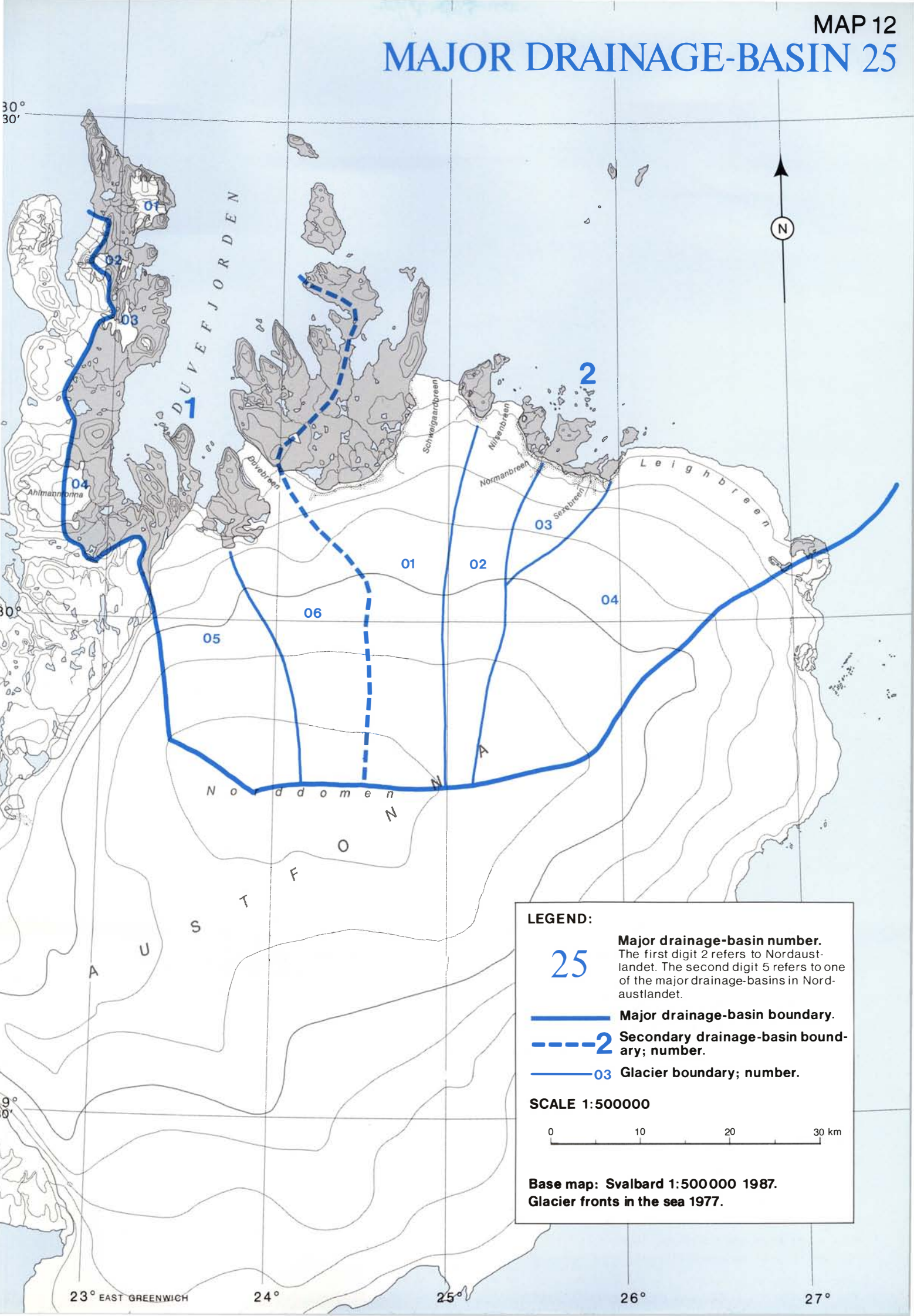
SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1987.

MAP 12

MAJOR DRAINAGE-BASIN 25



LEGEND:

25 — **Major drainage-basin number.** The first digit 2 refers to Nordaustlandet. The second digit 5 refers to one of the major drainage-basins in Nordaustlandet.

Major drainage-basin boundary.

2 — **Secondary drainage-basin boundary; number.**

03 — **Glacier boundary; number.**

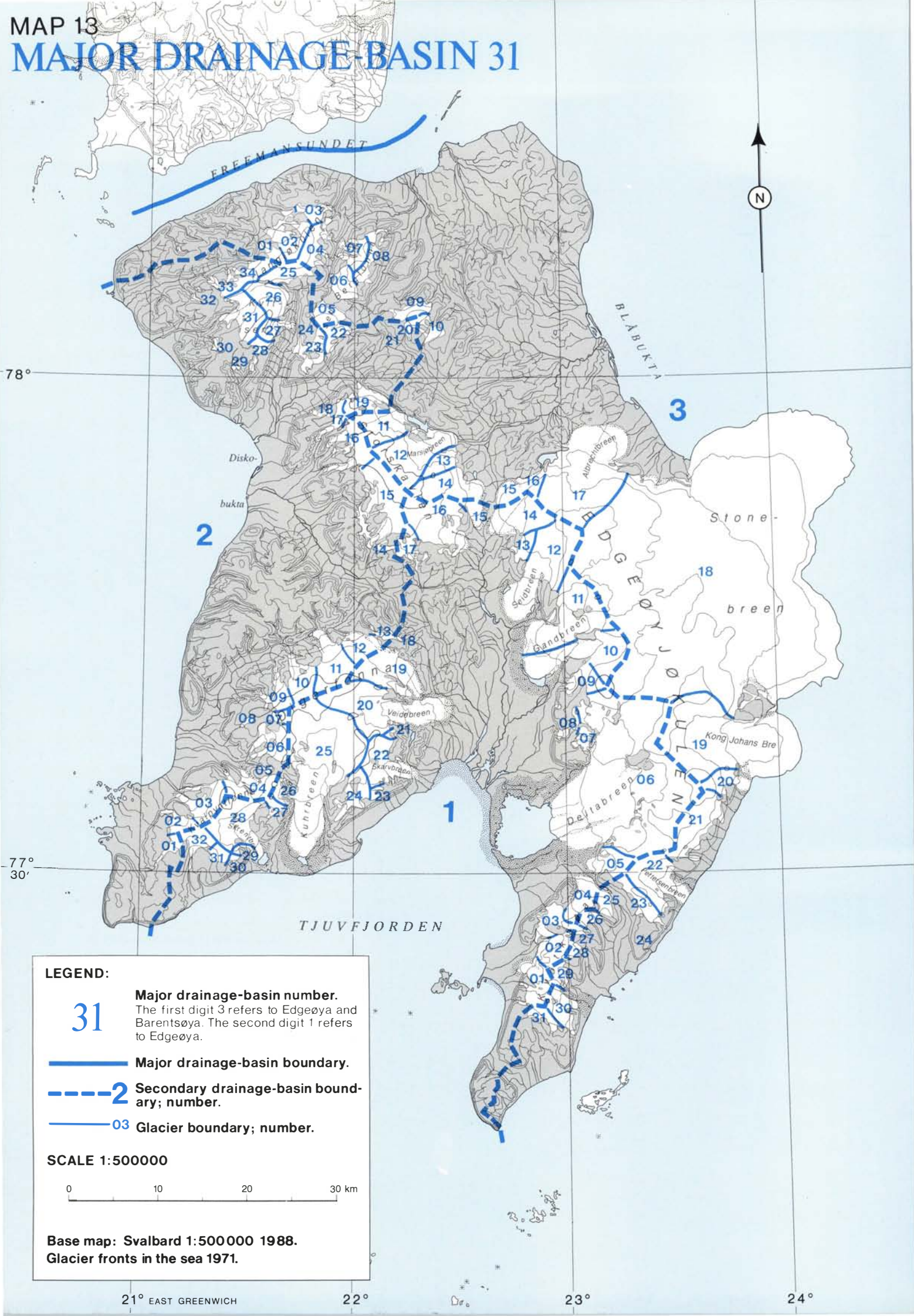
SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1987.
Glacier fronts in the sea 1977.

MAP 13

MAJOR DRAINAGE-BASIN 31



LEGEND:

31 **Major drainage-basin number.** The first digit 3 refers to Edgeøya and Barentsøya. The second digit 1 refers to Edgeøya.

Major drainage-basin boundary.

2 **Secondary drainage-basin boundary; number.**

03 **Glacier boundary; number.**

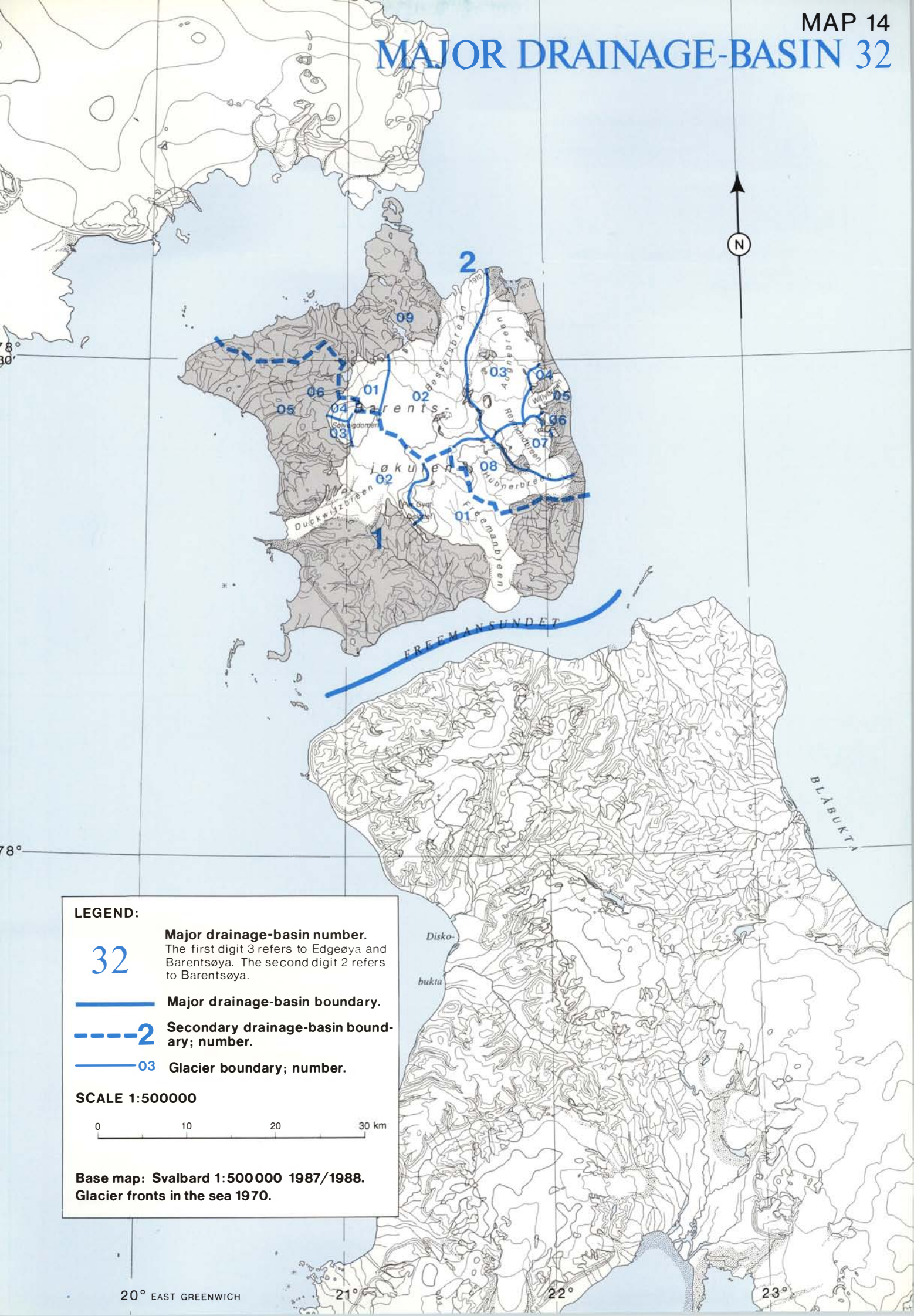
SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1988.
Glacier fronts in the sea 1971.

MAP 14

MAJOR DRAINAGE-BASIN 32



LEGEND:

32 — **Major drainage-basin number.** The first digit 3 refers to Edgeøya and Barentsøya. The second digit 2 refers to Barentsøya.

Major drainage-basin boundary.

2 — **Secondary drainage-basin boundary; number.**

03 — **Glacier boundary; number.**

SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1987/1988.
Glacier fronts in the sea 1970.

MAP 15

MAJOR DRAINAGE-BASIN 41

LEGEND:

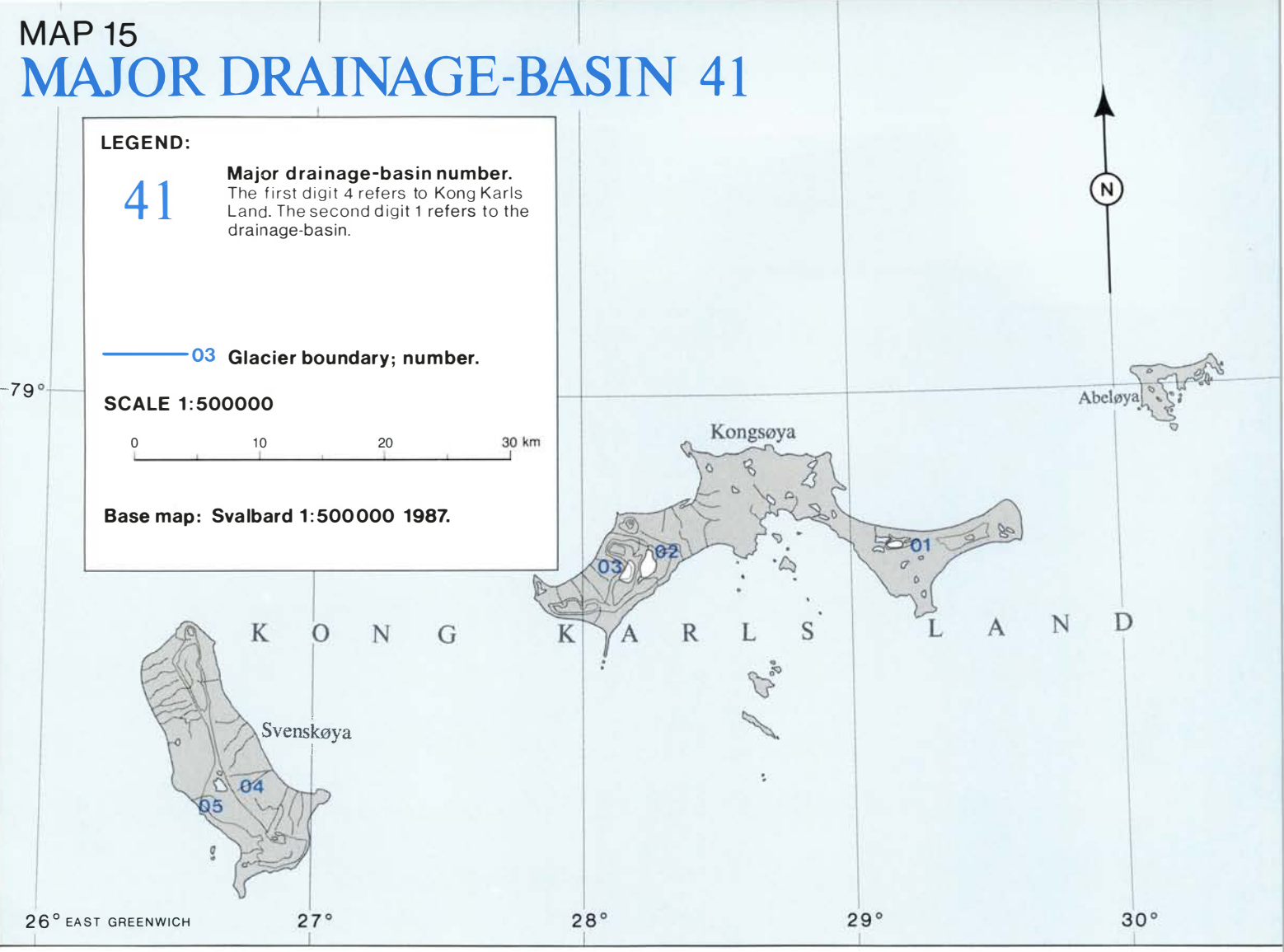
41 **Major drainage-basin number.** The first digit 4 refers to Kong Karls Land. The second digit 1 refers to the drainage-basin.

03 **Glacier boundary; number.**

SCALE 1:500000

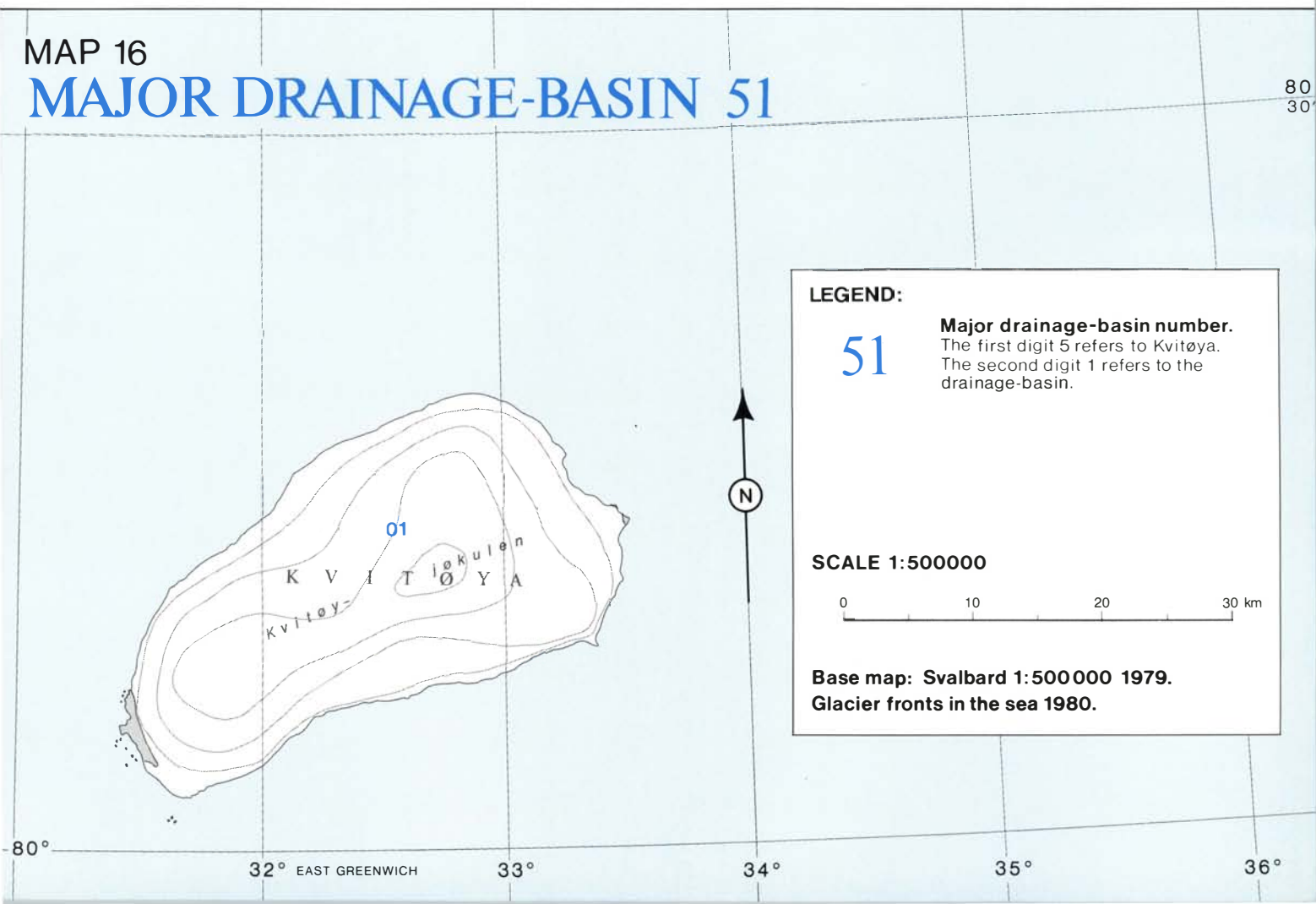
0 10 20 30 km

Base map: Svalbard 1:500000 1987.



MAP 16

MAJOR DRAINAGE-BASIN 51



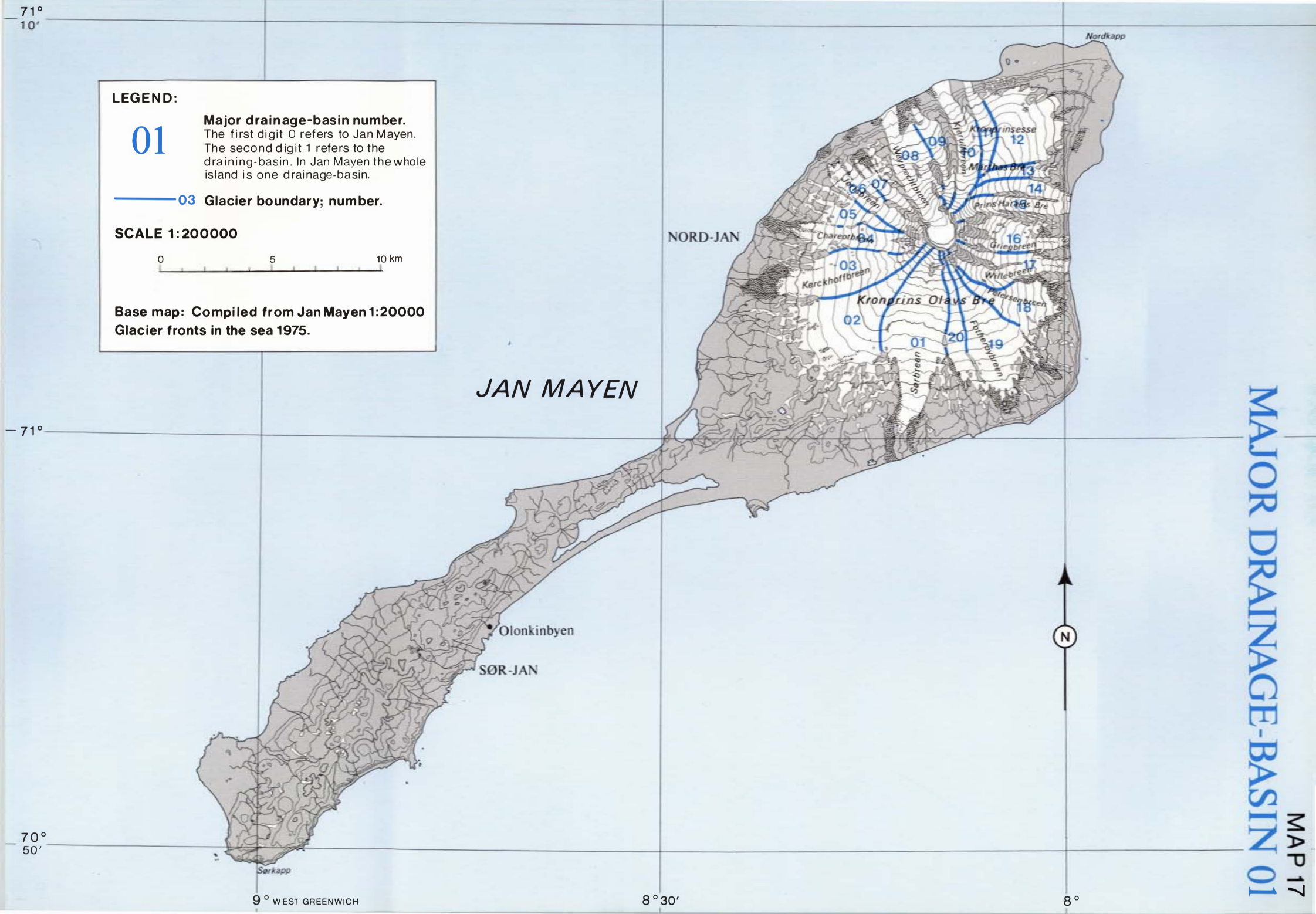
LEGEND:

51 **Major drainage-basin number.** The first digit 5 refers to Kvitøya. The second digit 1 refers to the drainage-basin.

SCALE 1:500000

0 10 20 30 km

Base map: Svalbard 1:500000 1979.
Glacier fronts in the sea 1980.


LEGEND:
01
Major drainage-basin number.
The first digit 0 refers to Jan Mayen.
The second digit 1 refers to the draining-basin. In Jan Mayen the whole island is one drainage-basin.
03 Glacier boundary; number.
SCALE 1:200000
0
5
10 km
Base map: Compiled from Jan Mayen 1:20000
Glacier fronts in the sea 1975.
JAN MAYEN
NORD-JAN
SØR-JAN
Nordkapp
Olonkinbyen
Sørkapp
Kronprinsesse Märthas Bre
Prins Harald Bre
Kronprins Olavs Bre
Kerckhoffbreen
Griegbreen
Willebreen
Petersenbreen
Fotherbybreen
Sørbreen
Weyprechtbreen
Chareotbreen
Kjerulfbreen
01
02
03
04
05
06
07
08
09
10
11
12
13
14
15
16
17
18
19
20
N
71° 10′
71°
70° 50′
9° WEST GREENWICH
8° 30′
8°
MAJOR DRAINAGE-BASIN 01
MAP 17