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DEPARTMENT OF ENERGY, MINES AND RESOURCES

Glacier Inventory of Canada - Axel Heiberg Island, Northwest Territories

C.S.L. OMMANNEY

TECHNICAL BULLETIN NO.37

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(Area 4644)

C.S.L. OMMANNEY

INLAND WATERS BRANCH
DEPARTMENT OF ENERGY, MINES AND RESOURCES
OTTAWA, CANADA, 1969

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4.2 Central Axel Heiberg Island.

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4.4 Northern and Eastern Axel Heiberg Island.

Preface

In accordance with the recommendations respecting the International Hydrological Decade, Canada is engaged in an inventory of all perennial ice and snow masses on the land surfaces. The data obtained through this inventory will contribute in an important way to the overall assessment of water quantity in the country.

This is the first of a series of reports being published on the data collected for this glacier inventory. Individual maps, computer printouts or punched cards of the data will be made available on request.

Anyone who has worked, is working, or plans to work in the area covered by this report is requested to provide photographs, maps, measurements or descriptions of any glacier for a glaciological archive that is being developed. The basic inventory data, photographs, descriptions and other data on any glacier in Canada will be kept in this archive and will be made available to anyone who wishes to make use of them.

Requests for information on the Canadian glacier inventory or contributions to the inventory should be directed to the Glacier Inventory Section, Glaciology Subdivision, Inland Waters Branch, Department of Energy, Mines and Resources, Ottawa.

Simon Ommanney,
Head, Glacier Inventory Section,
Glaciology Subdivision

Préface

Conformément aux recommandations de la Décennie hydrologique internationale, le Canada a entrepris un inventaire de toutes les glaces et neiges éternelles qui recouvrent les masses terrestres. Les données fournies par cet inventaire contribueront à l'évaluation de la quantité totale d'eau que possède notre pays.

Ce rapport sera le premier d'une série de publications ayant trait aux données rassemblées en vue de l'inventaire des glaciers. Des cartes individuelles, des imprimés d'ordinateur ou des cartes perforées indiquant les données disponibles seront fournis sur demande.

Les données de base, photographies, descriptions et autres renseignements ayant trait à tous les glaciers du Canada seront conservés aux archives de la glaciologie qui se constituent actuellement et seront communiqués à tous ceux qui désirent les utiliser. Tous ceux qui ont travaillé ou travaillent dans les domaines auxquels touche ce rapport sont priés de communiquer les photographies, cartes ou descriptions de glaciers dont ils disposent, pour la constitution de ces archives.

Les demandes de renseignements au sujet de l'inventaire des glaciers du Canada, ou les contributions à cet inventaire, doivent être adressées à la Section de l'inventaire des glaciers, Sous-division de la glaciologie, Direction des eaux intérieures, ministère de l'Energie, des Mines et des Ressources, Ottawa.

C. Simon L. Ommanney,
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Sous-division de la glaciologie.

Abstract

Axel Heiberg Island (80°N, 90°W) has been used as a pilot study for the first Canadian glacier inventory report for the International Hydrological Decade. The island has 1121 glaciers which cover 11,735 km^2, or 31 per cent of the land area, and which have an estimated volume of 3,222 km^3 of ice. Basic data for each glacier are presented as a computer printout and referenced to a set of index maps. Details of the physiography, climate and history of the island, as well as source materials and procedures used, are discussed.

Resumé

L'île Axel Heiberg (80°N, 90°O) a servi de cadre à une étude-pilote en vue du premier rapport sur l'inventaire des glaciers canadiens aux fins de la Décennie hydrologique internationale. Cette île possède 1121 glaciers, qui recouvrent 11,735 km^2 ou 31 p. 100 de la surface de l'île, et dont le volume est évalué à 3,222 km^3 de glace. Les données de base ayant trait à chaque glacier sont présentées sur un imprimé d'ordinateur, et sont référencées à une série de cartes index. L'auteur relève les détails physiographiques, climatologiques et historiques se rapportant à cette île, ainsi que les sources de renseignements et les méthodes utilisées.

CHAPTER 1

Introduction

This glacier inventory of Axel Heiberg Island is the first in a series of inventory reports that will be published to fulfill the recommendations made for the International Hydrological Decade (IHD) by the working group that produced 'Perennial ice and snow masses; a guide for compilation and assemblage of data for a world inventory' (UNESCO/IASH, 1970). Much of this report was in fact a feasibility study for many of the recommendations made in the UNESCO guide.

Although it might have seemed more appropriate to carry out a pilot study of this nature in an area of greater human and economic importance it was necessary that the recommendations be tested in one of the least favourable areas so that success there would prove the general applicability and suitability of the proposals and ensure that the study could be carried out for all glacierized areas in the country.

Axel Heiberg Island was selected for the first glacier inventory for the following reasons:

1) The ice cover on the island is varied and includes many different glacier types.

2) Because the island is remote, most glacier inventory information is obtainable only from aerial photographs and maps; this parallels the situation in many of the other parts of the world for which glacier inventories are required.

3) Vertical air photo coverage is available for the whole of Axel Heiberg Island. A small portion of the western part was flown in 1958 and the remainder of the island in 1959.

4) Since 1959 detailed field work in the earth sciences has been carried out by McGill University in a small area of Axel Heiberg Island. The main Expedition Area has been in the west-central part (Figs. 1 and 3 insert).

5) Excellent large scale maps of the Expedition Area and local glaciers are available for the determination of errors on the smaller scale topographical maps.

6) The author is familiar with the Expedition Area having worked there for five field seasons. His knowledge of the terrain facilitated the air photo interpretation.

The sequence and manner of presenting the material follows closely the methods outlined in the UNESCO guide. It moves logically through a general historical, physiographic and climatic discussion to an assessment of the source materials; to solutions of problems encountered and, only then; to the glacier inventory itself. At the time the study began, some of the materials used in the final work were not available so there is some discussion of how the inventory would have been carried out based on the earlier source material. A comprehensive bibliography is provided as part of the source material. The data printout is in an Appendix and the index maps are included in a pocket at the back of this report.

The data printout includes some information additional to that requested in the UNESCO guide. The five-digit, Special Comments is a coding of general information on literature, photographs, moraines, unusual features and glacier dammed lakes. A detailed manual for the Canadian glacier inventory contains a discussion of all the required data as well as the procedures followed and the techniques used. The Standard Data Sheet used for the Canadian inventory was published in a recent paper by Ommanney et al (1969).

Part of this study, the inventory of Steacie Ice Cap (Area 46441), was included as one of the three pilot studies for the UNESCO guide (Ommanney, 1970).

CHAPTER 2

Historical Information

Axel Heiberg Island was discovered by the "Second Norwegian Polar Expedition in the Fram, 1898-1902", led by Otto Sverdrup and named after one of the sponsors. Peary (1907), writing some years after the publication of the results of Sverdrup's expedition claims to have discovered the island first.

> ... Nansen's Strait and beyond it the northern part of the western land which I saw from the heights of the Ellesmere Land ice cap in July, 1898, and named Jesup Land, through Sverdrup has later given it the name of Heiberger Land. (Peary, 1907, p. 202)

However Peary would have had no way of knowing that what he saw in 1898 was not merely an extension of the west coast of Ellesmere Island unless Sverdrup (1904) had given an account of his sledge trip almost the whole way around the island.

On April 26th, 1899, Sverdrup and Bay first sighted the land mass that they later determined to be an island and named Axel Heiberg.

> There we saw, far away on the horizon, a chain of mountains which we had already faintly seen from the place of the slaughter. It was a true Alpine landscape, with sharp crags and snow-covered peaks ... The other side of the fjord was a great chain of mountains, several thousand feet in height, with snow-filled clefts and black abysses, jagged peaks and wild precipices. (Sverdrup, 1904, p. 130, 136)

Work by Sverdrup, Isachsen, Fosheim and Hassel, of this Norwegian expedition, resulted in the first map of the entire island except for a small stretch of the coast.

All the early expeditions travelled in the spring along the coast on sea ice and no attempt was made to penetrate into the interior. Sverdrup and Schei have few comments on the glaciers and glaciation of Axel Heiberg Island. In Skaare Fiord Sverdrup made the following observations.

> On its west side were three short bits of glacier falling abruptly down to the bottom of the valley ... A little south of the mouth of the valley a glacier snout protruded towards a big stretch of sands ... Several icebergs inside the fjord, some of them fairly large, seemed to point to a largish glacier at the head of it. It was proved later, however, that our surmise was incorrect. (Sverdrup, 1904, p. 234)

Continuing his trip along the south coast, Sverdrup passed Gletscherfjord (Glacier Fiord) where "in the inner part of the fjord protruded glaciers, which appeared to fall into the sea" (Sverdrup, 1904, p. 245). The Norwegians did take some photographs of Axel Heiberg Island but the most interesting trip, that along the west coast, was plagued by bad weather and few pictures were taken.

Schei, in his account of the geology, includes a section on the glaciation of Ellesmere and Heiberg Lands.

> Although the actual glacial covering disappears on the west coast of Ellesmere Island, a covering of the kind is again to be found on Heiberg Land, in the tracts adjacent to Gletscherfjord, Ulvefjord, and Skaarefjord ... The position of the marine terraces with regard to now existing glaciers indicates very conspicuously that the glaciation during the last great submersion of the land was not in any case of greater intensity than it is now, and that it has never since that period exceeded its present intensity. (Sverdrup, 1904, p. 465)

In June 1906, Peary reached the northern part of Axel Heiberg Island and left a cairn which Cook (1911) was unable to find. Cook commented on the "high glacier-abandoned valleys" (Cook, 1911, p. 193) which he observed on the northeastern side of the island.

MacMillan (1918) was the next visitor to the area and Green, a member of his party, was able to map that section of the northwest coast not covered by Sverdrup's expedition.

Stefansson, who discovered Meighen Island in the spring of 1917, states that "there are glaciers of considerable size in Ellesmere and Axel Heiberg Islands" (Stefansson, 1921, p. 12). This observation appears to have been based on information from other explorers.

Towards the end of the 1920's the Royal Canadian Mounted Police (RCMP) began a series of patrols through the arctic islands in support of Canadian claims to sovereignty over the area discovered by the Norwegians (Fetherstonhaugh, 1938). These patrols were coastal sledge trips so, while there was much discussion about the condition of the sea ice, there were few observations on the distribution of land ice (Dominion of Canada, 1927-30, 1932-34). Constable R.W. Hamilton, who visited the southern part of the island in the spring of 1929, refers to a glacier seen in Glacier Fiord (letter to author, 1965). About the same time, Corporal E. Anstead visited other parts of Axel Heiberg Island and made the following observation from the vicinity of Schei Peninsula.

> In the dim distance the land was very mountainous, at least four or five thousand feet high with what appeared to be a great hang-over from the ice cap. (letter to author, 1965)

Anstead appears to have been the first to have seen the ice cap on Axel Heiberg Island.

On March 20th, 1932, Corporals H.W. Stallworthy and R.W. Hamilton left Bache Peninsula on a search for the missing German Arctic Expedition under Dr. H.E.K. Krueger. Stallworthy completed a remarkable sledge trip around Axel Heiberg Island and found a note from Krueger in Peary's cairn at Cape Thomas Hubbard. The RCMP report deals with sledging conditions, wildlife and cairns visited but makes no mention of observation of the interior. An unfortunate accident destroyed all the pictures taken by Stallworthy on his trip.

A sledge trip along the south coast was made in 1938 by David Haig-Thomas.

> ... as far as I could judge by this walk into Axel Heiberg Island, and from my sledge journey along the east and south coasts, it was a land almost free from ice-cap. (Haig-Thomas, 1939, p. 211)

Another visit to the southern part of the island was made in 1940 by G. Thorlaksson and C. Vibe of the Danish Thule and Ellesmere Land Expedition, 1939-1941, led by James van Hauen (Vibe, 1948). The glaciers mapped by them in Skaare, Glacier and Wolf fiords do not provide any information not already depicted on Isachsen's map of some 40 years earlier; in fact the outline of the coast north of Mokka fiord is less accurate.

The work of the Danish expedition marked the end of the early period of exploration on Axel Heiberg Island. The years after World War II ushered in era of intense interest in northern research - an interest dictated more by the needs of national security than scientific inquisitiveness. Experienced pilots and versatile small aircraft enabled scientists to visit previously inaccessible regions. In 1953 the first aircraft landing on Axel Heiberg Island was made on Buchanan Lake, at the head of Mokka Fiord. Two years later, during 'Operation Franklin', two geologists, J. MacMillan and J.G. Souther, made crossings of the island and the latter dug a series of snow pits on the Strand Glacier (personal communication, 1963).

During the 1950's some general studies of Axel Heiberg Island were published based mainly on early Canadian and United States' aerial photography taken as part of both governments mapping programs. A study by Taylor for the American Geographical Society devoted a volume to Axel Heiberg Island and discussed its ice cover in detail in a volume on glaciology (Taylor,

1950, 1955, 1956a, b). Dunbar and Greenaway (1956), in a somewhat similar study provided information on the ice masses of Axel Heiberg Island from an air photo interpretation of Arctic Canada. Based mainly on the work of Taylor, two other general studies which include comments on the ice cover of the island, Sharp (1956) and Mercer and Hatcher (1958), were completed.

In July 1959, a reconnaissance party of four from McGill University visited Axel Heiberg Island to undertake preliminary investigations and determine the location of a base camp for a large scientific expedition. The base camp was set up beside a small lake in west-central Axel Heiberg Island (79°25'N, 90°45'W). This camp provided easy access on foot to four glaciers on which scientific observations were made - the White, Thompson, Baby and Crusoe glaciers. Logistic support by a Piper Super Cub equipped with balloon tires enabled landings to be made on snow, ice and unprepared ground on other parts of the island. In 1960, thirty-four scientists, assistants and technicians participated in the Jacobsen-McGill University Arctic Research Expedition to Axel Heiberg Island under the leadership of Dr. Fritz Müller. In 1961, only twenty-two people returned to the island for the summer season and by 1962 the number had been further reduced to nine. By 1963 the long-term programs were well established and, since then, field parties of three to eight, sponsored by McGill University and financed by the National Research Council of Canada, have returned to the island every summer to continue glaciological and related studies.

Preliminary accounts of the field work have been published (Müller, B.S., 1961, b; Müller et al, 1963). Results of the detailed scientific investigations are published as a series of continuing reports known as the Axel Heiberg Island Research Reports. By the end of 1969 ten of these reports had been published - three geological (Fricker, 1963b; Fricker and Trettin, 1963; Hoen, 1964), four meteorological (Andrews, 1964; Havens, 1964b; Havens, Müller and Wilmot, 1965; Müller and Roskin-Sharlin, 1967), one geophysical (Redpath, 1965), one glaciological (Adams, 1966a), and one geomorphological (Maag, 1969).

In conclusion the reports of those who visited Axel Heiberg Island up to the middle of the 1950's contain either very general or almost no information on the limits of the land ice. It is therefore impossible to assemble sufficient detail to establish glacier fluctuations as has been done for Baffin Island by Falconer (1962). However, the work of the McGill parties has determined, for a small area, the nature of glacier fluctuations for the last 9000 years (Müller, 1966) from which inferences may be made to other parts of the island.

CHAPTER 3

Physiography

Axel Heiberg Island, situated between latitudes 78°08'N and 81°21'N and longitudes 85°W and 96°W (Figure 1), is the second most northerly of the

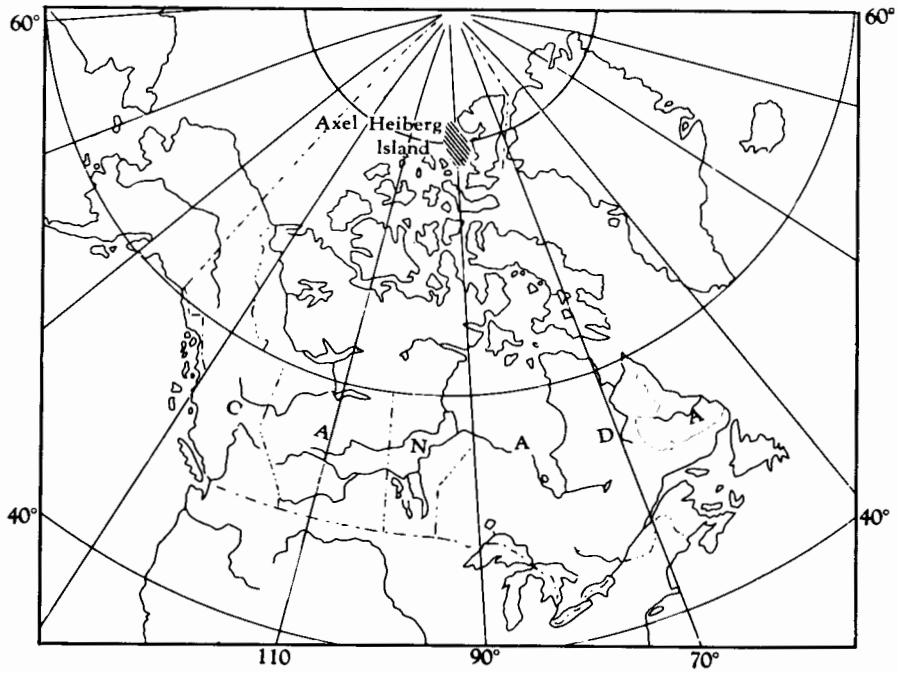

Figure 1. Location of Axel Heiberg Island (courtesy of Axel Heiberg Expedition).

major islands in the Canadian Arctic Archipelago. It lies on the edge of the Arctic Ocean to the west of Ellesmere Island from which it is separated by the large fiord-like channels of Nansen and Eureka sounds (Figure 3, p. 11). The island has a wide variety of glaciers and mountains that rise to 2000 metres above sea-level (Figure 2).

Geology

Recent geological data on Axel Heiberg Island were collected in 1955 by the Geological Survey of Canada on 'Operation Franklin', and during subsequent fieldwork (Fortier, 1963; Thorsteinsson and Tozer, 1957, 1960;

Figure 2. West-central Axel Heiberg Island looking north, showing the White (4E15) and Thompson (4E21) Glaciers and the McGill Ice Cap. (EMR 8M 219-60L, 11 August, 1948).

Tozer, 1960, 1961). The detailed geology of the Expedition Area was analyzed by Fricker (1963b).

Axel Heiberg Island lies within the Sverdrup Basin, an area of heavy sedimentation from the middle Pennsylvanian to the early Tertiary. Studies by Thorsteinsson and Tozer (1961) indicate that the axis of the basin extends from northern Sabine Peninsula on Melville Island, northeasterly through the Ringnes Islands and Axel Heiberg Island, to northern Ellesmere Island (Fig. 3, p. 11).

Folding and thrust faulting occurred throughout the Queen Elizabeth Island in Tertiary times and nearly all of Axel Heiberg Island was affected. The principal Tertiary structures strike north to south and have strongly influenced the topography and, subsequently, the present ice distribution and movement. The Tertiary anticlines of the southern part of the island have characteristically long axes, flat crests and steeply inclined limbs. In the west-central part, the folds have short plunging axes and the anticlines commonly have diapiric cores. Diapirs and piercement domes are characteristic of the axial part of the Sverdrup Basin (Kranck, 1961 a, b; Hoen, 1964).

Glaciation

Little is known of the extent or chronology of Pleistocene glaciation of Axel Heiberg Island. Elevated strandlines that indicate glacio-isostatic recovery have been observed in many places along the coast. These strandlines, together with erratics found in many places, support the theory that ice covered considerably more of the island on at least one occasion. It is possible that at one time the ice masses of Axel Heiberg, Ellesmere and Devon Islands combined to form one large mass. Smith (1961) maintains that Nansen and Eureka sounds were probably eroded by outlet glaciers from Ellesmere Island when the ice cover was more extensive.

Climatic Change

Information on postglacial climatic change on Axel Heiberg Island has been obtained from the dating of shells, moraines, peat deposits and driftwood, and over a shorter time period, from analysis of deep snow pits. Conclusions drawn by Müller (1966) indicate that changes in the last 9000 years have been considerably smaller than in more southerly latitudes. During this period it is unlikely the glaciers have ever advanced more than a few hundred metres beyond their present terminal positions. Evidence was found by Müller (1966) for a postglacial optimum about 6000 B.P.

Present Ice Cover

Measurements made for this inventory show that at present, 31.5 per cent of the total land area of 37,200 km^2 is ice covered. Most of this ice is found in the two major ice fields - the McGill Ice Cap and Steacie Ice Cap - separated by a major structural trough extending from the head of Wolf Fiord in the south to Strand Fiord (see maps in pocket inside back cover). Many other small ice caps are found along the southern, western and northern margins of the island. Outlet glaciers from the McGill Ice Cap drain mainly westward and one, Iceberg Glacier (46444F - 56), reaches tidewater. From the main north-northwest to south-southeast mountain range of the island, the ice spreads out to the east in a large undulating sheet terminating in a series of lobes. The eastern lowlands are essentially ice free.

Regime of Glaciers

Studies of glaciers in the Expedition Area and of the McGill Ice Cap provide some information on the present regime of the glaciers. Analysis of a deep shaft on the McGill Ice Cap (Müller, 1963i, p. 27) gives a mean annual accumulation on the ice cap of 37.1 cm of water over a 41-year period. This indicates that the previously accepted 'desert' value of about 15 cm of water for the mean precipitation of this area may have to be revised.

CHAPTER 4

Weather and Climate

Detailed meteorological observations have only been made on Axel Heiberg Island since 1960 and this period is too short for definite statements to be made about the climate. Table 1 lists the stations and the approximate number of days of their continuous operation; Table 2 lists the main meteorological parameters recorded at each station. The locations of the main stations are shown in Figure 3. The installations at Sherwood Head and Moraine Camp were designed for year-round operation but the record is not complete. The following stations have operated intermittently since 1960.

Axel Heiberg Island Weather Stations

Base Camp: (79°25'N, 90°45'W) is on ice-free ground 190 m above sea level near a small lake and approximately 6.5 km inland from the head of Expedition Fiord. Mountainous country affords some protection; Wolf Mountain about 5 km northwest is 1000 m higher than the station, as is Bastion Ridge, 7 km to the southwest. A long-term recorder (Rauchfuss) was installed in 1965 to provide year-round information on temperature and wind. In 1969 it was moved to Point Alec and replaced with the Ott Mark II weather station. This unit provides integrated 3-hourly totals of wind run and short-wave radiation and instantaneous 3-hourly values of temperature (air and soil), relative humidity, wind direction, pressure, and precipitation (Whiting and Müller, 1969). In 1969 these observations were supplemented by air and soil temperature and humidity profiles, net radiation and lysimeter records.

Lower Ice: (79°26'N, 90°39'W) is on a slight ice-dome in the centre of the tongue of White Glacier 208 m above sea level and some 3 km north-northeast of Base Camp. The mountains overlooking White Glacier rise 1800 m above sea level to the north, but in all other directions the site is open. Lower Ice is considered to have meteorological conditions typical of the ablation areas of glaciers in this region. In 1968 an Ott Mark I long-term recorder was installed for the summer season and provided 3-hourly values of temperature and relative humidity (Müller, 1969a). A similar record was obtained for the summer of 1969.

TABLE 1

NUMBER OF DAYS OF METEOROLOGICAL OBSERVATIONS

Stations	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Base Camp	108	100	71	70	10	40	60	115	121	224
Lower Ice	108	100	56	-	-	-	-	-	99	119
Moraine Camp	-	-	-	-	-	189	365	365	366	365
Point Alec	-	-	-	-	-	-	-	-	-	184
Upper Ice I	92	-	-	-	-	-	-	-	-	-
Upper Ice II	-	100	4	-	-	-	-	-	-	-
Sherwood Head	-	130	365	365	366	120	-	-	-	-
Eureka	366	365	365	365	366	365	365	365	366	365
Isachsen	366	365	365	365	366	365	365	365	366	365
Decca Green	-	65	-	-	-	-	-	-	-	-
Meighen Ice Cap	65	92	76	-	-	-	-	-	95	91

TABLE 2

METEOROLOGICAL PARAMETERS OBSERVED

Stations	Years of Operation	Synoptic	Pressure	Temperature	Precipitation	Wind run	Humidity	Upper Air	Radiation	Sunshine
Base Camp	*1960-1969	x	x	x	x	x	x		x	x
	1965-1969			x		x				
	1969-		x	x	x	x	x		x	
Lower Ice	*1960-1962	x	x	x	x	x	x		x	x
	*1968-			x			x			
Moraine Camp	1965-		x	x		x	x			x
Point Alec	1969-			x		x				x
Upper Ice I	*1960	x	x	x	x	x	x		x	x
Upper Ice II	*1961-1962	x	x	x	x	x	x		x	x
Sherwood Head	1961-1965	x	x	x						
Eureka	1947-	x	x	x	x	x	x	x	+x	x
Isachsen	1948-	x	x	x	x	x	x	x	+x	x
Decca Green	*1961			x	x	x	x			
Meighen Ice Cap	*1959-1962			x	x		x			
	*1968-	x	x	x	x	x	x		x	x

* Summer observations only.
\+ Record for only part of period indicated.

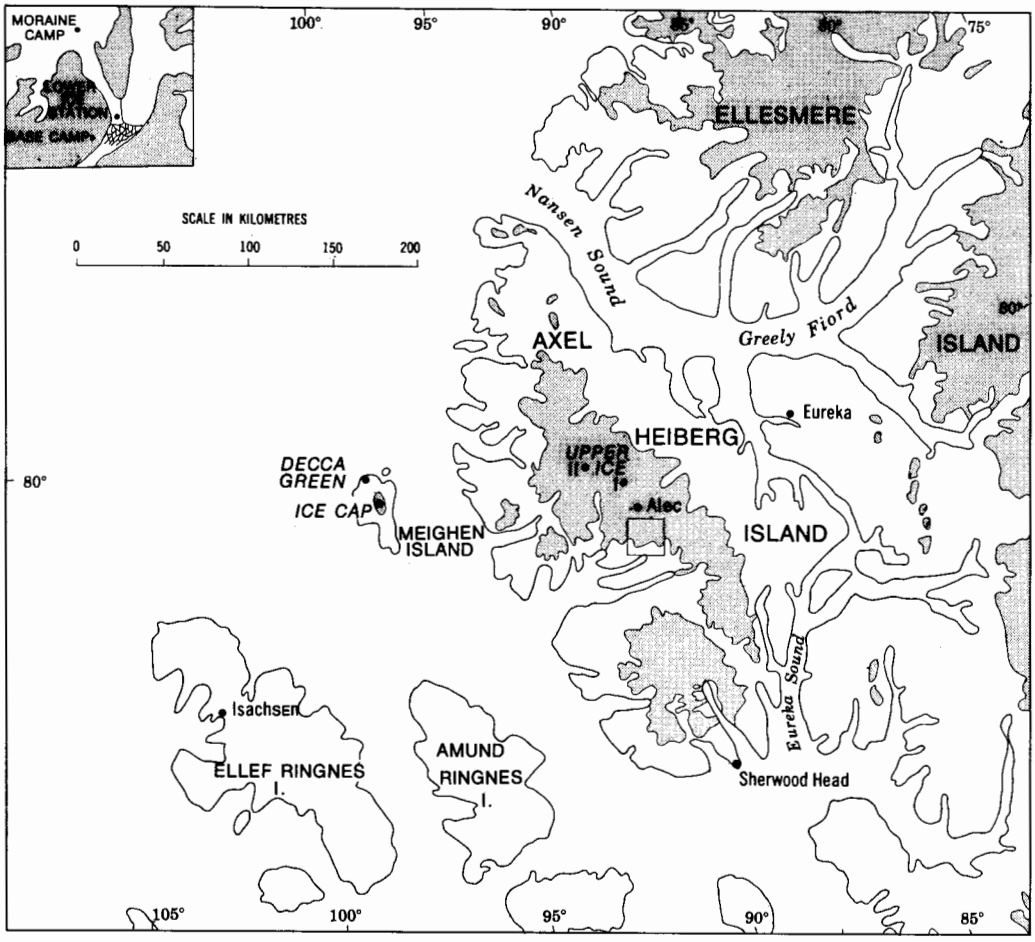

Figure 3. Location of main weather stations.

Moraine Camp: (79°29'N, 90°49'W) was established in 1965 890 m above sea level, the approximate elevation of the mean equilibrium line. The station consists of three Rauchfuss Mark II, two-channel, long-term recorders measuring wind speed and direction, temperature and humidity, and pressure and sunshine duration. Measurements are made every six minutes throughout the year. Problems in the instrumentation resulted in some incomplete records during the first few years of operation (Seifert, 1968).

Point Alec: (79°32'N, 90°58'W) was set up in July 1969 and equipped with the modified Rauchfuss recorder from Base Camp. The station is located on a small rock outcrop high in the accumulation area of White Glacier, 1520 m above sea level and over 5 km northwest of Moraine Camp. Year round observations of temperature, wind and sunshine duration are obtained (J. Whiting, 1970, personal communication).

Upper Ice I: (79°36'N, 90°12'W) was situated on an ice-dome of the McGill Ice Cap, 1530 m above sea level. It occupied the south-central part of the ice cap and its elevation roughly corresponded to that of the ice cap as a whole. The station was only occupied in 1960.

Upper Ice II: (79°56'N, 92°W) was set up on the McGill Ice Cap, 1920 m above sea level and 65 km north-northwest of the Base Camp. Located on a slight saddle, the station was about 1.5 km east-southeast of White Crown, the highest mountain on the island from which the McGill Ice Cap slopes gradually to the northeast and drops off sharply to the southwest. The site was open to cyclonic systems moving from the south and southwest. Upper Ice II was considered to be representative of a large portion of the ice cap. The station was occupied in the summer of 1961 and again for very short periods in the summers of 1962 and 1963.

Sherwood Head: (78°12'N, 89°43'W) 61 m above sea level, was on the southern tip of Axel Heiberg Island on the peninsula which separates Wolf and Glacier fiords. This nuclear-powered weather station was a joint Canadian-United States project and transmitted synoptic weather data to Resolute Bay on Cornwallis Island (Polar Record, 1962a). Unfortunately, due to technical problems, very few observations were recorded in the last two years of operation.

Neighbouring Weather Stations

The Isachsen and Eureka weather stations have been recording continuously since the late 1940's. Decca Green and the Meighen Island Ice Cap stations were set up as part of the Polar Continental Shelf Project by the Department of Energy, Mines and Resources. Records from the joint Canadian - United States' weather stations are published semi-annually in the Arctic Summary (Department of Transport, 1947-1970).

Eureka: (80°N, 85°56'W), 7 m above sea level, is on the west coast of Ellesmere Island close to the centre of the land mass of Ellesmere and Axel Heiberg Islands, the two being separated by the narrow channel of Eureka and Nansen Sounds. It was established in April 1947 as a joint Canadian-United States weather station and has since been operated by the Department of Transport (D.O.T.) and the United States Weather Bureau. Hills about 10 km to the northwest, northeast and southwest rise to 1000 m.

Isachsen: (78°47'N, 103°32'W), 30 m above sea level, is on the northwest coast of Ellef Rignes Island at the head of Deer Bay. A rocky ridge about 1.5 km south of the station has an elevation of 180 m. The hills, 7 km north and northwest of the station, rise to 250 m above sea level while others 5 km to the southeast rise to about 150 m. Like Eureka, Isachsen is a joint Canadian-United States weather station; observations at Isachsen began in April 1948.

Decca Green: (80°02'N, 100°W), 10 m above sea level, was at the northwest corner of Meighen Island on a gravel plain, about 3 km from the Arctic Ocean. The site was open to the northeast but, to the southeast, the land rose gently to the Meighen Island Ice Cap and the hills 7 km away.

Meighen Island Ice Cap: (79°58'N, 99°09'W), was established in 1959 and operated during the summer season until 1962. The station was located 241 m above sea level on top of the small ice cap (76 km^2) which covers about one tenth of Meighen Island. In 1968 meteorological observations were resumed on the island with the operation of two stations, Main Camp and North Camp. In 1969 subsiduary stations were established as part of the meso-scale study of the relation between climate and the "health" of the ice cap (Ice, 1969c; B. Taylor-Barge, 1970, personal communication).

An analysis of the climate of Axel Heiberg Island based on data from most of the stations mentioned above has been made by Müller and Roskin-Sharlin (1967).

It appears that the circumpolar atmospheric circulation described by Hare and Orvig (1958) and Hare (1959) strongly influences the weather of Axel Heiberg Island. Surface pressure systems were found to be shallow and mainly dependent on the upper air flow although the distribution of land, water, ice and mountains had a noticeable effect on local weather.

Andrews (1964) noted that in the summer of 1960, the heaviest snowfalls and the significant rainfalls at Lower Ice occurred in connection with cyclonic disturbances which tracked from the west and southwest, across the Queen Elizabeth Islands from north of Siberia or Alaska. At Upper Ice I, winds from the southeast, associated with approaching cyclones, brought the heaviest snowfalls to the ice cap. Müller and Roskin-Sharlin (1967) confirm the influence of these major upper air movements on the amount of precipitation received. Thus it appears that the major source of nourishment for the glaciers of Axel Heiberg Island is the moisture laden cyclones which move across the northern Queen Elizabeth Islands. Comparison of precipitation values for the various stations revealed marked differences. Isachsen's climate was found to be considerably more maritime than Eureka's which showed some continental features. That of Axel Heiberg Island, situated between the two, has a transitional character.

The cyclones which frequently develop over Davis Strait and Baffin Bay largely nourish the glaciers on Devon Island and southwest Ellesmere Island (Koerner, 1966) but it is unlikely they contribute in any noticeable measure to the development of glaciers on Axel Heiberg Island.

CHAPTER 5

Map Sources

The scale and quality of map coverage for a given area considerably influence the accuracy of any glacier inventory.

Up to 1965

There were five maps of Axel Heiberg Island available in 1965 which would have provided the basis for a reasonable assessment of ice-covered areas. They were not, however, of a quality high enough to provide all the detailed information needed for an adequate glacier inventory. They are discussed below.

(1) Map accompanying Sverdrup's report (Sverdrup, 1904): The first map of Axel Heiberg Island was made by the Second Norwegian Polar Expedition (Figure 4). It simply shows the coastline and is based on a series of ground surveys made by Rittmeister Isachsen during his sledge journeys in 1900 and 1901.

(2) 1:506,880 Canadian Aeronautical (1944 and 1946): The first Canadian map was not published until forty years later. This and the revised edition of 1946 were based mainly on Isachsen's map but included observations of later explorers. The coastal outline remained virtually unchanged.

(3) 1:250,000 American Aeronautical (1948): The first trimetrogon air photo coverage of the island was obtained in 1947 during the United States' Army Air Force 'Operation Polaris'. The flight lines covered mainly coastal areas. From the photos, maps to a scale of 1:250,000 were drawn and published in 1948; they were superior to any available Canadian maps. Details of this map series, produced by the Aeronautical Chart Service, Washington, are given in the following table:

TABLE 3

AMERICAN AERONAUTICAL EDITION, 1:250,000

Map Sheet	Date of Photography	Publication Date	Contour Int. (ft)
Wolf Fiord (21BIII)	April-Aug., 1947	Nov. 1948	1000
Mökka Fiord (21BII)	July, 1947	Nov. 1948	1000
Bukken Fiord (7DIII)	July, 1947	Oct. 1948	1000
Emma Fiord (7DII)	Sept., 1944-Feb., 1945	Feb. 1947	1000

The coverage was incomplete and most glaciers were poorly depicted since flight lines seldom crossed the interior of the island. The fact that some photos were taken in April, when the winter snow still hid the boundary between the ice and land, also contributed to the inadequacy of these maps as a basis for the inventory. Height values were established by aircraft radar and the contours, which are little more than form lines, were used with very little change on all but the most recent Canadian maps.

(4) 1:506,880 Canadian Aeronautical (1955, 1960 and 1963): In the early 1950's, the Royal Canadian Air Force extended the trimetrogon air photo coverage to include Axel Heiberg Island and an aeronautical edition was compiled from these photos, using contours from the American Aeronautical series. Ice cover and individual glaciers are poorly shown and contours are unreliable. According to this map, the highest ice-covered peak was located in a non-existent mountain range on the eastern side of the ice cap, over 40 km east of its true position.

(5) 1:500,000 Canadian Topographical (1960 and 1963): This is also based on the trimetrogon photography of the early 1950's. The delineation of the glacierized area is much improved and many of the inaccuracies present on the Canadian Aeronautical map ((4) above) were corrected. There was a lot of snow when the photos were taken and many of the glaciers on the map are, in reality, only small valleys filled with drift snow. In any case, the scale is two times less than the minimum suggested for a world glacier

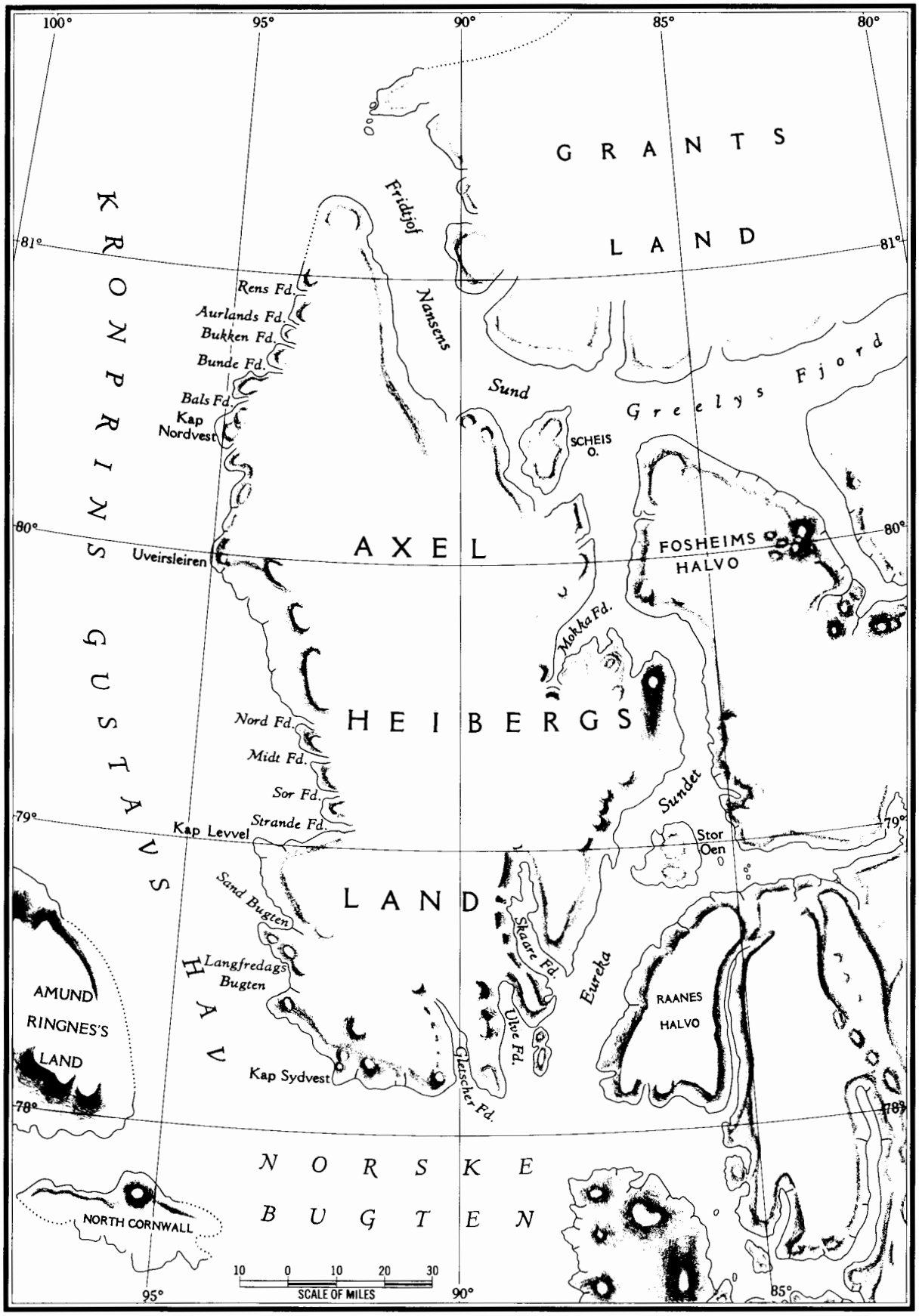

Figure 4. Isachsen's map of Axel Heiberg Island (after Isachsen in Sverdrup, 1904).

inventory and unsuitable for identifying and measuring the smaller ice bodies.

An area bounded by latitudes 79°20'N and 79°35'N and longitudes 90°W and 91°W was chosen for a comparison of the qualities of maps (4) and (5). The contours are no more than form lines and provide no height values of any accuracy. The relevant portions of the two maps are reproduced in Figure 5 and show clearly the great differences in detail and accuracy.

After 1965

(6) Air Photo Compilation (1967): Without the help of air photos much of the data taken from even the best of the foregoing maps would certainly have been below the level of accuracy recommended for glacier inventory records. For improved results in area measurements, a new map (of the same area already compared in Figure 5) was drafted from aerial photographs. The photo scales varied from approximately 1:50,000 to 1:60,000 and, as explained below, an intermediate scale had to be calculated for the map.

Tracings of the glacierized area on each photograph were made, the line of flight drawn in, and the tracings for each flight line then combined. Once the six flight lines had been completed, the tracings were fitted together as well as the side lap would permit and the glacier outlines for the whole area drawn in. As far as possible only the central portion of each photo was used. The resulting map is shown in reduced size in Figure 6.

Many substantial difficulties were met in arriving at a practicable scale for the map. Normally, 60 per cent forward lap and 30 per cent side lap are required but, while the former was mostly satisfied, adequate side lap was not often attained in the test area. Variations in aircraft altitude and drift, and divergence of the camera axis from the vertical were further sources of error for which no allowance could be made in the construction of the map. It was also difficult to compensate for photographic

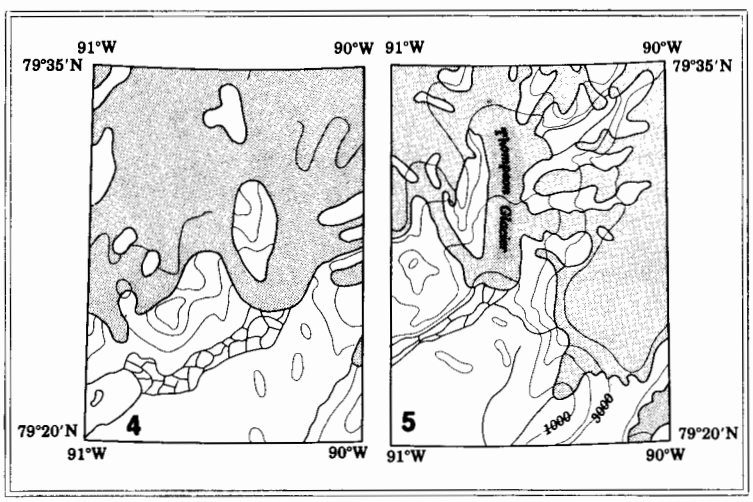

Figure 5. Comparison of an identical region from two maps (after Department of Mines and Technical Surveys).

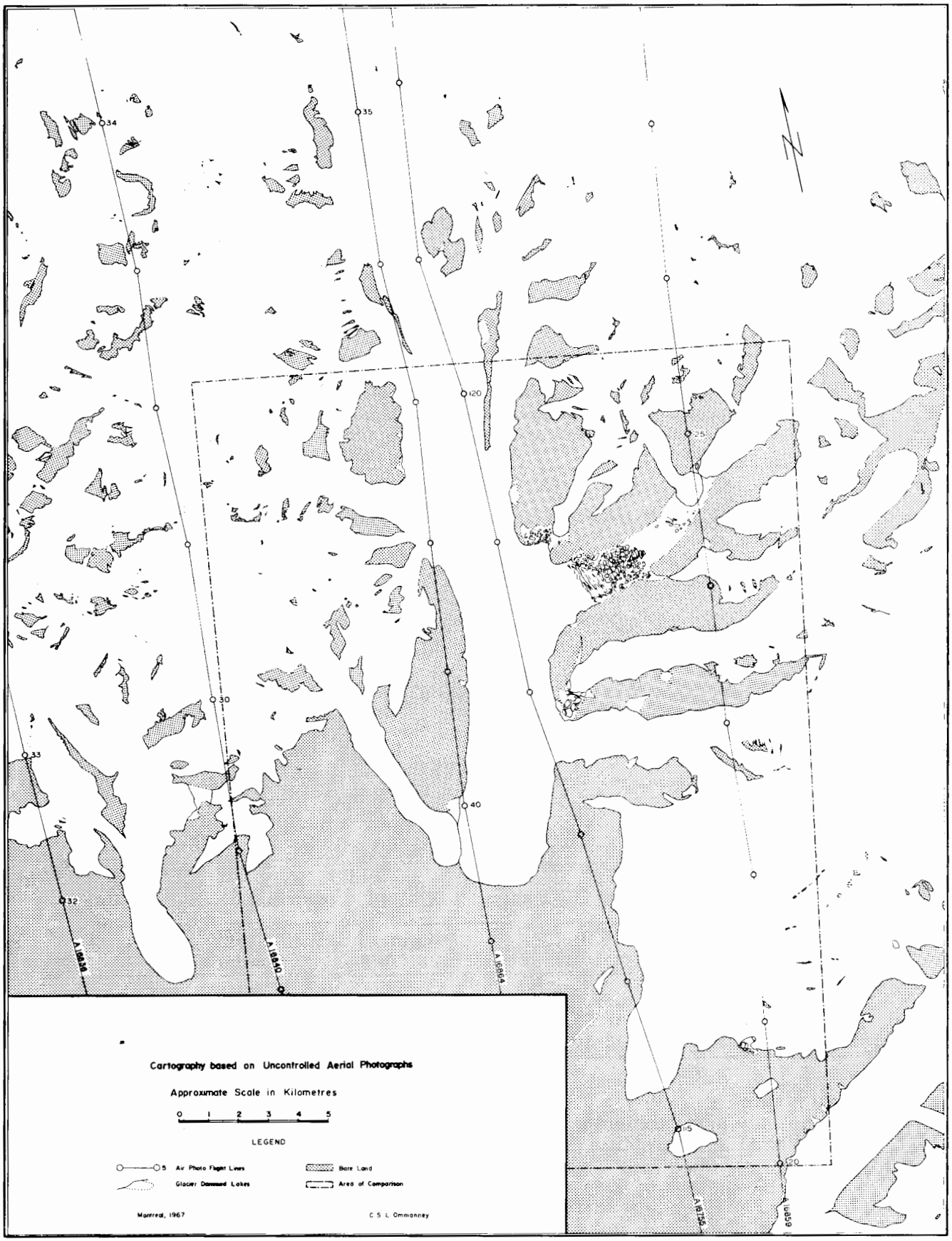

Figure 6. Thompson Glacier region, Axel Heiberg Island.

distortions caused by variations in ground elevation; for example, elevations in the Thompson Glacier region range from sea level up to 1800 m. Another complication was the fact that the same camera lens was not used throughout the test area; half the flight lines were taken at f = 152.38 mm and the other half at f = 152.16 mm. Allowances were made for the foregoing scale complications by weighting the ice-covered areas at different elevations as shown in Table 4, the area percentages being taken off the 1:500,000 map on the assumption this was the best available. The scale of the resultant map came out at 1:53,000.

TABLE 4

SCALE CALCULATIONS FOR AIR PHOTO MAP

Elev. ft asl	Elev. above ground (m)	Scale for f=152.38	Scale for f=152.16	% of Area	Mean Scale
750	8115.4	1:58,508	1:58,592	2	1:58,550
1500	8686.8	1:57,007	1:57,090	11	1:57,048
2500	8382.0	1:55,007	1:55,087	18	1:55,047
3500	8077.2	1:53,007	1:53,084	24	1:53,046
4500	7772.4	1:51,007	1:51,080	45	1:51,044

Finally the total ice cover within the designated test area was measured on three comparable maps - the Canadian Topographic map (5), the Air Photo Compilation (6) and a map of the Thompson Glacier Region (1:50,000) produced as a result of field work by McGill University parties. The Thompson Glacier Region map, the accuracy of which is discussed by Blachut and Müller (1966), served as the standard for this comparison. The result of the comparison is shown in Table 5.

TABLE 5

COMPARISON OF AREA MEASUREMENTS FOR A LARGE AREA

Maps	Map Scale	Glacierized Area (km^2)	% of Standard
Topographical (5)	1:500,000	314.94	112
Air Photo Map (6)	1: 53,000	266.08	94
Thompson Region	1: 50,000	282.87	100

The Topographical map (5) gives a 12 per cent deviation and the Air Photo map (6) only half that error. This limited assessment points to the air photo compilation yielding the more accurate measurement of a large area.

Comparison of area measurements for two individual glaciers in the test area, the Baby and White glaciers, revealed a similar result (Table 6).

TABLE 6

COMPARISON OF AREA MEASUREMENTS FOR A SMALL AREA

Maps	Baby Gl. (km^2)	% of Standard	White Gl. (km^2)	% of Standard
Topographical (5)			39.09	104
Air Photo Map (6)	0.80	102	37.12	98
Thompson Region	0.78	100	37.88	100

The quality of an air photo compilation is dependent on a combination of good photography and favourable ground factors. It can never compare with the product of good ground control. Further, the larger the area, especially if it is entirely ice-covered, the more likely will be the introduction of adverse factors such as side lap deficiencies, elevation differences and insufficient ground features to permit the proper alignment of flight lines.

Nevertheless, the above two comparisons seem to indicate that linear and area measurements reasonably adequate for a glacier inventory may well be obtainable from air photo compilations in the absence of suitable maps.

(7) 1:250,000 Canadian Topographical (1966 to 1968): By 1967 advance prints of an excellent new Canadian Topographical map series produced by the Department of Energy, Mines and Resources, at a scale of 1:125,000 became available. This map series, published at a scale of 1:250,000, covers Axel Heiberg Island with eleven sheets, details of which are listed in Table 7.

TABLE 7

CANADIAN TOPOGRAPHICAL MAP, 1:250,000

Map Sheets	Survey	Compi-lation	Publi-cation	Contour Interval
49F Eureka Sound South	1962	1965-6	1967	500 ft
59E Glacier Fiord	1961	1965	1966	500 ft
59F Haig Thomas Island	1961	1965	1966	200 ft
49G Eureka Sound North	-	1965	1966	500 ft
59H Strand Fiord	1961-1962	1965	1967	500 ft
59G Middle Fiord	1961	1966	1967	500 ft
69H Meighen Island South	1959-1961	1965	1966	500 ft
340B Greely Fiord West	1962	1965	1966	500 ft
560A Bukken Fiord	1960,1962	1965	1967	500 ft
560B Meighen Island North	1960-1961	1965	1966	500 ft
560D Cape Stallworthy	1962	1965	1966	500 ft

The maps were compiled from the 1958 and 1959 Canadian Government aerial photography of Axel Heiberg Island.

For these maps the accuracy of the tellurometer traverse survey is considered to be of the order of 1/7,000 and is adjusted to shoran positions. Theoretically, points of detail should be within 200 feet of their true position or within plotting accuracy but there may be further deviations in weakly controlled parts. The contouring was done by projection plotters based on airborne profile records (APR) so elevations should be accurate to within one-half the contour interval.

The advance prints of the 1:250,000 map series were used for the glacier inventory of the whole of Axel Heiberg Island as they permitted detailed plotting of drainage divides and small patches of snow and ice.

CHAPTER 6

Photographic Sources

Good air photo coverage of Axel Heiberg Island was an important contribution to the successful compilation of its glacier inventory. Photographs, in conjunction with maps, permitted the accurate delineation of the ice, assessment of the transient snowline elevation, delineation of the catchment area for each glacier and classification of each glacier.

There are several different sets of photographs available for the island although the time period covers only some twenty years.

Operation Polaris Photography

Partial trimetrogon air photo coverage of the island was obtained by the United States Army Air Force during Operation Polaris, in 1947. Unfortunately at the time of photography much of the island was cloud covered and the termini of many glaciers obscured. Furthermore, due to the poor quality of the prints, it may be difficult to use some of the photographs for comparative studies. The flight line numbers and other details are listed in Table 8. Prints of these photographs are held in storage by the National Air Photo Library in Ottawa.

Canadian Trimetrogon Photography

A much more complete set of photographs of Axel Heiberg Island was obtained by the Royal Canadian Air Force between 1950 and 1952. The quality of the photography is reasonably good and compared to the photography in 1947, fewer parts of the island were cloud-covered. Unfortunately, either a recent snowfall or a larger than usual snowpack makes it difficult to distinguish the boundary between annual and perennial ice and snow. Prints of the photographs and the flight line index are also available through the National Air Photo Library in Ottawa.

TABLE 8

OPERATION POLARIS PHOTOGRAPHS

Flight Line Number	Date of Photography	Height above sea level (ft)	Focal Length of Camera (ins)
7M157	28/7/47	19,500	6
7M168	28/7/47	20,000	6
8M160	28/7/47	20,000	6
8M200	28/7/47	20,000	6
8M219	30/7/48	22,000	6

TABLE 9

CANADIAN TRIMETROGON PHOTOGRAPHS

Flight Line Number	Date of Photography	Height above sea level (ft)	Focal Length of Camera (mm)
T - 404	16/7/50	20,000	151.61
T - 405	15/7/50	20,000	161.29
T - 408	16/7/50	20,000	161.29
T - 410	16/7/50	20,000	161.29
T - 411	16/7/50	20,000	161.29
T - 412	16/7/50	20,000	161.29
T - 440	18/7/50	20,000	161.29
T - 491	28/7/52	20,000	153.85
T - 492	28/7/52	20,000	153.85
T - 498	28/7/52	20,000	153.85

Canadian Vertical Photography

In 1958 and 1959, complete vertical air photo coverage of Axel Heiberg Island was flown. The quality of the photographs is excellent and hardly any of the island was cloud-covered. Contrast on the prints varies depending on the process used and it has been found that the most recent prints, produced by an automatic process, show excellent contrast between the ice and snow areas. Forward lap on all flights is better than fifty per cent, but side lap between some flights is missing. Details of these photographs, obtainable from the National Air Photo Library, Ottawa, are summarized in Table 10.

Low Level Photography

In 1960 a complete set of low level aerial photographs of the Expedition Area were taken for the purpose of compiling the large scale map of the Expedition Area mentioned in Chapter 5. Details of this set of photography have been given by Haumann (1963a, p. 89).

TABLE 10

CANADIAN VERTICAL PHOTOGRAPHS

Flight Line Number	Date of Photography	Height above sea level (ft)	Focal Length of Camera (mm)
A16186	22/7/58	30,000	152.17
A16197	24/7/58	30,000	152.17
A16753	22/7/59	30,000	152.16
A16754	28/7/59	30,000	152.16
A16755	28/7/59	30,000	152.16
A16765	29/7/59	30,000	152.16
A16836	28/7/59	30,000	152.46
A16840	13/8/59	30,000	152.38
A16858	28/7/59	30,000	152.38
A16859	28/7/59	30,000	152.38
A16860	29/7/59	30,000	152.46
A16861	5/8/59	30,000	152.46
A16862	4/8/59	30,000	152.46
A16863	13/8/59	30,000	152.16
A16864	13/8/59	30,000	152.38
A16865	17/8/59	30,000	152.16
A16866	16/8/59	30,000	152.38
A16876	23/8/59	12,000	152.50

In 1961, M. Dunbar took several photographs of the glaciers in Glacier Fiord.

In 1964, A. Post, while collecting information for a study on fluctuating glacier termini, took low level photographs at numerous locations over the island. The approximate locations of these photographs are shown in Figure 7.

Since 1959, a large number of low level and ground photographs have been taken by those working with the McGill University expeditions.

Details of all the above mentioned low level and ground photographs, and prints of many of them, may be obtained from the Glacier Inventory Section, Glaciology Sub-division.

Although the glaciers of Axel Heiberg Island are not very active, the period covered by photography is now long enough that snout activity may be determined in quantitative terms.

In summary, despite the remoteness of the area, excellent photographic material on which to base a glacier inventory is available for Axel Heiberg Island.

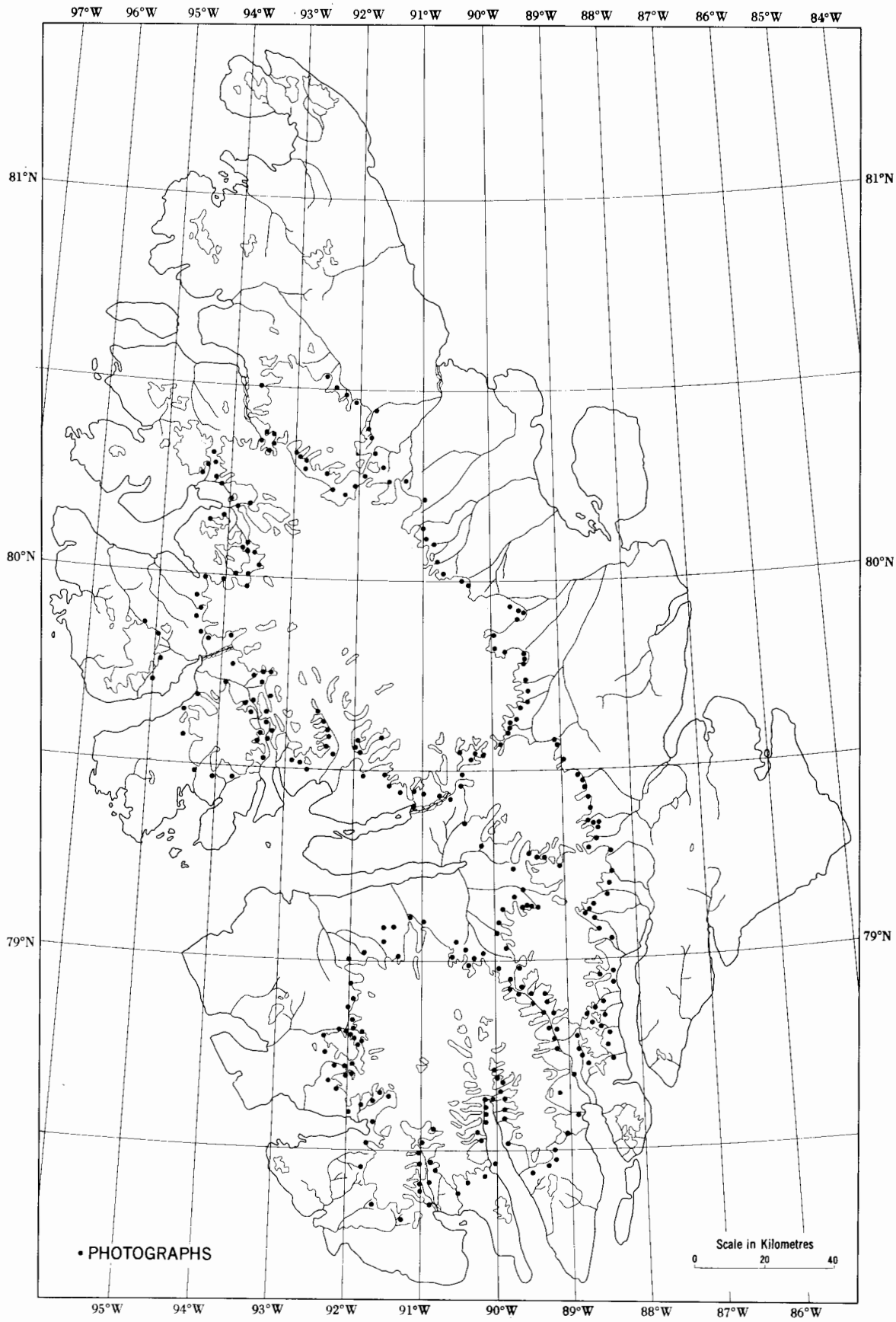

Figure 7. Map showing locations of photos taken by A. Post.

CHAPTER 7

Description of Work Procedure

A definite procedure, developed to speed up preparation of the glacier inventory of Axel Heiberg Island, is described below:

1) The 1:500,000 map of the island was used to divide the glacierized area into five major organic units (Plate 4.0, at back of Report), identified by arabic numerals.

2) A further tentative division of the major regions was made on the same small scale map. To simplify this division, the small ice caps along the western and northern coasts of the island were considered as single units although they drained in several directions and are not therefore hydrological units as recommended by the guide. These subdivisions are shown on Plate 4.0 by letters within the major regions.

3) The extent of the glacierized area was identified according to the limits shown on the 1:125,000 advance prints. This was necessary because the ice delineation in places is difficult to recognize on these single colour maps.

4) Rather than complete one aspect of the inventory for the whole island, i.e. glacier length measurements, small units were taken and the whole inventory completed for each one of them before the next region was started.

5) The air photos of a unit were assembled and examined. Extensive use of a stereoscope is necessary at this stage. The ice limits on the map were compared with those on the photographs and, where necessary, corrections made to the map.

6) The transient snow line was determined on the photographs and then transferred to the map.

7) The delineation of the catchment areas of the individual glaciers was determined from changes in slope observed under the stereoscope. These limits were then marked on the map.

8) The individual glaciers on the map were marked with an identification dot and numbered clockwise.

9) Each glacier was assigned a Standard Data Sheet.

10) To complete the air photo work, all information necessary for classifying, describing and determining the orientation of each glacier was extracted and entered on the data sheets together with the air photo number, date and other relevant particulars.

11) The Geographical and UTM co-ordinates were measured with a transparent overlay.

12) All elevations were listed on a supplementary data conversion sheet (Table 11) as the map values had to be converted from feet to metres. This supplementary data sheet has two columns - one for the map data in feet and the other for their metric equivalents. The conversion could probably have been done more conveniently in a computer.

13) Another supplementary data conversion sheet, similar to that for elevations, was drawn up for the linear and area measurements (Table 12). The linear measurements were made in millimetres on the map and the map scale used as the conversion factor. The area columns are for the entry of the planimeter units.

14) Conversions from the two supplementary data sheets were transferred to the Standard Data Sheet.

15) Accumulation Area Ratios were calculated.

16) Depth values were assigned according to Table 13, discussed in Chapter 9.

17) Volumes of ice were calculated from the area and depth values.

18) The various accuracy ratings were determined.

19) After being checked, items from the right hand side of the Standard Data Sheet were put on computer punch cards.

20) An index map of the area showing the glacier numbers was compiled and filed with the computer print out sheet of the inventory data. The inventory of the next area was then started.

CHAPTER 8

Specific Problems Encountered

Some problems were encountered which by their very nature could not be covered by the recommendations in the UNESCO/IASH guide (1970).

TABLE 11

SUPPLEMENTARY SHEET FOR ELEVATION DATA

	E L E V A T I O N								MEAN ELEVATION			
No.	High	High	Exp	Exp	Tot	Tot	Snow	Snow	Accu	Accu	Abla	Abla

TABLE 12

SUPPLEMENTARY SHEET FOR LINEAR AND AREA DATA

	L E N G T H						W I D T H		S U R F A C E A R E A					
	Abla.		Whole Glacier											
No.	Tot	Tot	Exp	Exp	Tot	Tot	Wide	Wide	Acc	Acc	Abl	Abl	Exp	Exp

In some cases it was not practical to sub-divide the smaller ice bodies in the southern, western and northern parts of the island into individual hydrological basins. In other areas, sub-division into hydrological basins resulted in the break-up of organic units such as the Steacie and McGill ice caps. The major ice mass of the eastern McGill Ice Cap, for example, presented particular difficulties in the locating of drainage divides between different catchment basins. Poor contour lines in the accumulation area, particularly on the flat parts of the ice cap, made it difficult to dissect into organic units. Because of these difficulties, it was decided not to split the eastern drainage of the ice cap into its separate outlet glaciers but to consider it as one unit for the purposes of measurement. However, for identification purposes, each outlet glacier was given a number. The effect of this decision is apparent in the printout for 46444L (Appendix, p. 94).

On the whole, the depiction of the glacierized area on the maps was found to correspond closely to that observed on the photographs. Generalization of ice limits on the published 1:250,000 map resulted in the elimination of some of the smaller ice bodies. The largest such ice mass added to the map was 2.6 km^2 while the smallest were in the order of 0.1 km^2.

All values measured in English units were converted directly to metric without any rounding-off of the figures. This conversion was very time consuming and will be done by computer for other areas. Although the elevations given in the Appendix are listed to the nearest metre, the figure is a straight conversion and can only be considered accurate to within ± 20 metres. Elevations can only be measured to the nearest 50 feet and to this must be added the estimated accuracy of the map contours of plus or minus half a contour interval, or 250 ft. (Tuttle, personal communication). These estimated accuracy values are expressed in the accuracy ratings shown with the data.

It was found necessary to include one additional symbol for the Orientation to those of the 8 point compass. 'R' was introduced for those small ice caps which had no preferred orientation, or Radial flow.

Considerable difficulty was encountered in determining the mean elevation of the transient snow line of compound basin glaciers. For such glaciers, the snow line through the different basins may fall in a complex zone varying in elevation by several hundred metres. The mean elevation was determined from individual assessments of each basin.

On Axel Heiberg Island, field work has shown that a considerable amount of superimposed ice and slush usually forms below the transient snow line (Müller, 1962b). This superimposed ice contributes to the accumulation but can hardly be differentiated from the ice of the ablation area on photographs. Thus, the transient snow line given in the data for this inventory will be above the equilibrium line at the time of photography. It was thought that in the few weeks that elapsed between the time of the photography used for most of this inventory and the end of the ablation season, the equilibrium line would have retreated to the approximate location of the transient snow line measured from the photographs. This possibility was somewhat substantiated by observations of the 1959 Axel Heiberg Island party which established that on the White and Baby glaciers some 75 cm of ablation occurred in the lower part of the ablation area after the aerial photographs were taken. If one could determine how much the snow line would rise corresponding to a certain amount of ablation in the lower part of the glacier, that is, if one knew the ablation gradient, then adjustments

could be made for the snow line elevation of other glaciers in the area and a more accurate end-of-season equilibrium line established. To do this, the available data for White Glacier, considered to be representative of part of the island, would have to be analysed and the inter-relationship determined. Adjusted values have not been calculated, partly because it is beyond the scope of this present report and because it was considered that all those who may wish to work with the data would prefer the real-time values.

CHAPTER 9

Area and Volume Measurements

All areas greater than one square kilometre were measured with a Bruning areagraph random dot overlay and mechanical dot counter. The manufacturer's claim that the degree of precision for areas greater than twelve square inches was better than 97 per cent was supported in tests against other standard planimeters and square counting techniques. Experiments carried out by the Glaciology Subdivision have proved that operator variance with the random dot planimeter is small compared to other methods (Stanley, 1967, personal communication). The use of a random dot planimeter provided a considerable saving in time for the large number of area measurements that had to be made. For areas of a few square kilometres a millimetre grid was used so that the same level of accuracy could be maintained.

An XY co-ordinate plotter connected to a computer would provide a more accurate and even faster method of determining linear, area and co-ordinate measurements.

To establish the mean glacier depth, either measured values will be available or an estimate must be made. On Axel Heiberg Island, measured depth values have only been obtained for the White and Thompson glaciers and for one profile on the McGill Ice Cap (Redpath, 1965; Becker, 1961). In 1966, about 120 km of radio echo sounding values were measured over the Thompson Glacier, Hidden Ice Field and the McGill Ice Cap by Robin and Evans of the Scott Polar Research Institute, Cambridge, but final results are not yet available (Evans and Robin, 1966). From the available data for Axel Heiberg Island and from known depths for similar glacierized areas in the Arctic, Table 13 was compiled. For establishing depth estimates, it was sufficient to distinguish four major glacier types. Each of these types was then subdivided into four to six classes for which a specific depth value was assigned.

TABLE 13

ESTIMATED MEAN DEPTH VALUES

Type	Area (km^2)	Depth (m)
ICE FIELDS	0 - 5	20
	5 - 20	30
	20 - 100	50
	100 - 300	100
	300 - 1000	150
	> 1000	200-500
ICE CAPS	0 - 1	15
	1 - 5	25
	5 - 20	75
	20 - 100	150
	100 - 300	250
	> 300	> 250
OUTLET AND VALLEY GLACIERS	0 - 5	50
	5 - 20	125
	20 - 100	200
	> 100	250-500
SMALL MOUNTAIN GLACIERS	0 - 1	15
	1 - 2	20
	2 - 5	35
	5 - 20	50
	> 20	> 50

The depth values given in the table are applicable only to Axel Heiberg Island and would require modification for use in other areas and climatic environments. Table 13 was strictly applied in assigning values for depth with the few exceptions of some valley and outlet glaciers with areas around 5 km^2 for which a value of 75 m depth was given.

Despite the temptation to make individual adjustments of glacier depth when assigning a value from the table, this was seldom done. If the information obtained from the recently developed radio echo sounding equipment enable improvements to be made to Table 13, the necessary adjustments can be completed in a simple computer operation.

CHAPTER 10

Data Presentation and Storage

The inventory data for the glaciers of Axel Heiberg Island and a list of abbreviations used in the computer print out sheets are presented in the Appendix. The Appendix is followed by the completed data for the five major regions of the island and their subdivisions outlined in the general index - Plate 4.0 (back pocket). The general index shows the outline of the four detailed index maps on which the individual glaciers are identified. These four index maps (back pocket) show Southern (Plate 4.1), Central (Plate 4.2), Western (Plate 4.3) and Northern and Eastern (Plate 4.4) Axel Heiberg Island. The inventory data for each glacier are listed on two consecutive pages in the Appendix. The first page lists all the data contained in the first two blocks on the right side of the Standard Data Sheet (Ommanney et al, 1969, p. 21) and the second page, data from the remaining two blocks. The information for each individual glacier is listed as a single line on the two consecutive sheets identifiable by the area coding and glacier number on the left side of each page.

A control Data Corporation (C.D.C.) 3100 computer was used for the printout and the programme is easily adaptable to most other computers. The printout sheets were photographically reduced so that information on about 100 glaciers could be presented on two printed pages.

The first part of the data compilation was completed at McGill University as part of the Axel Heiberg Island research project, under the supervision of Dr. F. Müller. Members of the author's family assisted in the time consuming work of abstracting data from the maps and photographs. The remainder of the measurements were carried out by the Glaciology Subdivision, Inland Waters Branch, Department of Energy, Mines and Resources, Ottawa, where the author has been employed since 1967.

The completed Standard Data Sheets, work maps, computer punch cards, photographs and related data are available through the Glacier Inventory Section of the Glaciology Subdivision. Records on the glaciers of Axel Heiberg Island will be continuously updated as new information becomes available.

CHAPTER 11

Data Summary

In considering glacier inventory data, there are three main stages - the initial data compilation, the assessment of the data and the data analysis. Although this report is primarily concerned with the first of these stages, it becomes necessary to consider questions belonging to the second stage as soon as data summaries are made.

The data for the 1121 glaciers included in the glacier inventory of Axel Heiberg Island are summarized in Table 14. As the first set of values are dependent on the snow line determination, only those based on the 1959 photography have been used. The figures in brackets indicate the degree to which the 1959 values are changed if 1958 data are included. Total area values for 1959 are given separately so that the Mean Accumulation Area Ratio can be determined.

The total number of glaciers on Axel Heiberg Island is, in fact, slightly more than 1121 as, in a few cases, small ice masses were listed together as a group. If, however, the eastern McGill Ice Cap is considered as one accumulation/ablation system, then the total is closer to 1100.

The accuracy of the snow line and the extent to which it reflects the end-of-season situation must be assessed before an analysis is made. The White Glacier (46444E-15) is the only glacier for which field observations on the height of the snow line at the end of the 1959 season are available. The inventory value for the snow line on this glacier (1010 m) is about 100 m below the approximate end-of-season line determined in the field (1120 m) (Müller, 1968, personal communication). The equilibrium line on the White Glacier for 1959 may lie somewhat below the observed snow line and therefore closer to the snow-line elevation obtained for the inventory. On the other hand, it might be possible to use 'net ablation gradients' for the White Glacier (Müller, 1962a) to adjust the inventory value.

The elevation values in the table are arithmetic means of the individual values. For analysis, it will be necessary to weight each elevation value according to the area of the glacier to obtain a more representative average.

From the data summary (Table 14) it appears that there is a variation of some 200 m in the elevation of the snow line and the mean elevations of the ablation and accumulation areas from the eastern and southern parts of the island to the west and northwest. However, there are some small ice masses along the southern and western sides which do not fit

TABLE 14

SUMMARY OF DATA FOR AXEL HEIBERG ISLAND GLACIER INVENTORY, BASED ON 1959 VALUES

Basin Identification	Number of Glaciers	MEAN VALUES FOR 1958-1959 BALANCE YEAR					LARGEST GLACIERS IN BASIN			Total Area (km^2)	Total Volume (km^3)
		Snow Line (m)	Mean Accu. Elevation (m a.s.l.)	Mean Abla. Elevation (m a.s.l.)	Area of Ablation (km^2)	Mean AAR (%)	Maximum Length (km)	Maximum Area (km^2)	Maximum Volume (km^3)		
AREA 4644 1											
A. Wolf Fiord	24	980	1100	760	207.0	45	15.9	88.0	17.6	378.8	66.4
B. Glacier Fiord	48	750	930	600	314.0	57	33.3	382.9	95.5	731.0	146.7
C. Surprise Fiord	30	740	860	540	420.5	57	45.0	641.1	160.3	983.3	217.4
D. Good Friday Bay	(66)	(750)	(850)	(610)	(217.9)	(54)	10.2	53.2	10.6	(474.5)	71.2
and Sand Bay	52	820	930	620	211.2	53				445.5	
E. Strand Fiord	42	1010	1130	850	161.9	65	25.8	149.3	37.3	462.9	88.4
	(210)				(1321.2)	(56)				(3032.3)	590.5
	196				1314.6	56				3004.8	
AREA 4644 2											
A. South and Middle	(47)	(650)	(770)	(520)	(179.0)	(53)	16.4	82.4	16.5	(378.5)	61.4
Fiords	15	740	870	630	86.8	37				138.7	
B. Middle and Li	(26)	(620)	(670)	(470)	(152.8)	(16)	22.5	155.2	15.5	(182.8)	16.2
Fiords	3	-	-	380	0.8	0				1.2	
C. Li Fiord	(28)	(730)	(800)	(560)	(64.3)	(44)	9.9	21.9	4.4	(115.0)	12.8
	24	730	800	600	63.5	44				114.2	
D. Li and Bals Fiords	11	-	-	230	14.4	0	3.2	7.0	0.2	14.4	0.3
E. Bals and Bunde Fiords	24	610	720	460	37.1	29	6.0	19.8	1.5	51.8	2.5
F. Bunde Fiord	16	740	780	650	11.4	22	4.7	4.6	0.2	14.5	0.3
	(152)				(459.0)	(39)				(757.2)	93.6
	93				214.4	30				334.8	
AREA 4644 3											
A. Bukken and Aurland Fiords	43	-	-	350	72.1	0	9.6	21.8	1.1	72.1	2.4
B. Rens Fiord	10	-	-	470	8.4	0	2.9	1.8	0.0	8.4	0.2
C. Northern Ice Caps	47	-	-	320	98.7	0	9.2	18.3	0.8	98.7	3.7
D. South East	58	-	-	660	57.2	0	3.8	5.2	0.3	57.2	1.5
	158				236.4	0				236.4	7.8
AREA 4644 4											
A. Bear Strait Ice Field	16	-	-	740	42.5	0	7.0	11.0	1.4	42.5	3.5
B. Skaare Fiord Ice Fields	31	1010	1070	880	51.0	22	6.9	12.1	1.5	65.2	5.1
C. Wolf Fiord	15	1020	1210	840	72.7	63	17.3	65.3	13.0	195.3	34.4
D. Strand Fiord	48	1050	1200	880	248.8	65	25.3	171.2	68.5	705.7	192.8
E. Expedition Fiord	51	1080	1180	870	230.6	52	35.5	230.3	105.2	483.7	155.2
F. Iceberg Bay	70	910	1070	690	423.8	62	58.4	776.8	388.4	1127.6	460.6
G. Middle Fiord	(36)	(830)	(990)	(600)	(221.8)	(70)	41.3	529.2	264.6	(739.0)	297.7
	29	850	1010	670	187.1	72				675.6	
H. Li Fiord	(118)	(880)	(1080)	(720)	(260.4)	(64)	24.3	166.5	40.6	(734.5)	128.4
	65	940	1140	730	187.6	70				627.6	
J. Bunde Fiord	19	810	940	660	60.8	59	11.0	49.0	9.8	149.4	23.2
K. Northern Ice Cap	93	1020	1120	870	296.9	57	18.1	130.6	39.2	695.2	143.0
L. Eastern - Schei Peninsula	61	1030	1150	910	585.7	76	64.5	1837.2	918.6	2391.7	1020.3
M. Skaare Fiord	36	1070	1200	900	175.2	53	16.3	66.2	13.2	370.3	65.5
	(594)				(2670.2)	(65)				(7700.2)	2529.8
	534				2562.6	66				7529.9	
AREA 4644 5											
Skaare and Mokka Fiords	7	1190	1200	910	7.3	17	3.5	4.1	0.1	8.8	0.2
AREA 4644											
TOTAL	(1121)				(4694.2)	(60)				(11734.9)	3221.6
	988				4335.3	61				11114.8	

() Includes 1958 data.

this picture. A more accurate assessment of variations in the snow-line height over the island will be carried out using a computer program developed for this and other analyses of the inventory data (Ommanney, et al, 1969).

The Accumulation Area Ratio values (AAR) are useful indicators of the mass balance of glaciers for a particular year. Studies of the mass balance of the White Glacier have shown that the glacier is in equilibrium when the ratio of area of wastage to that of nourishment is in the order of 1:2 (Müller, 1962a). Unfortunately, it is not yet sufficiently established to what degree the White Glacier is representative of the ice masses in the area. It is likely that for a healthy mass balance, the ratio should be closer to 1:2.5, that is, the AAR would be about 70 per cent. Therefore, for 1959, the mean AAR of 60 per cent for the island, calculated on a transient snow line with a month remaining in the melt season, probably indicates a slightly negative mass balance situation. Even the 65 per cent obtained for Area 46444, Central Axel Heiberg Island, is slightly below the amount needed for a balanced year. It seems that those parts of the McGill Ice Cap draining into Middle and Li Fiords and to the east were in balance or maybe slightly positive in 1959.

The total land area of Axel Heiberg Island was measured at 37,185 km^2 (14,525 sq. miles). This value is about 1000 sq. miles less than the figure obtained by Taylor (1955) but 1000 sq. miles greater than earlier estimates. The value of 5,170 sq. miles for the total glacierized area given by Sharp (1956), 5,755 sq. miles given by Falconer et al (1958) and that of 4,850 sq. miles quoted by Taylor (1956a) are all greater than the value for ice covered area obtained in this investigation; 11,734 km^2 or 4,584 sq. miles. This difference is in no way an indication of glacier retreat but purely a matter of map accuracy and measuring techniques.

It may be of interest to have information not only for hydrological basins but also for particular glaciological units such as the continuous ice mass of the 'Greater McGill Ice Cap'. This information can readily be obtained by using the index maps and the data sheets given in the Appendix. By using the analysis program that has been developed (Ommanney et al, 1969) any data for any area or combination of areas can be obtained in a matter of minutes.

CHAPTER 12

Conclusions

The most recent estimate of the total glacierized area in Canada is 203,363 km^2 (Henoch, 1967). This means that the ice covered area on Axel Heiberg Island constitutes about six per cent of the Canadian total. Experience over the last two years with the glacier inventory has indicated

that there are probably between 70,000 and 100,000 glaciers in Canada. This estimate is based on the Axel Heiberg inventory and the indexing of almost 12,000 glaciers on Bylot and Baffin islands. Calculations to arrive at this figure have been based on a sliding scale considering the nature and area of the ice cover. Thus the estimate provides for one glacier for every 2 km^2 of ice in the Cordillera and becomes one for every 15 km^2 of ice on Ellesmere Island.

So far, work on the glacier inventory has shown that if one considers the amount of time involved in analyzing the photographs and maps, in transferring data from one to the other and in completing the inventory measurements and conversions, only 10 to 15 glaciers can be inventoried in a day. Measurements for the Axel Heiberg Island inventory were completed in about six months. Thus some 35 man/years of work will be needed to complete the Canadian glacier inventory measurements. Although much of the related bibliographic and information search will be done during this time, some additional man years will have to be set aside for bringing this side of the inventory up-to-date and maintaining the file.

Experience with the inventory has shown it would be possible to delegate a considerable amount of the inventory compilation to non-glaciologists. The most critical decisions involve the determination of ice limits, transient snow lines and the classification of glaciers. If assistants can be obtained who have had some training in air photo interpretation and, ideally, who have some field experience on glaciers, then many of these more critical decisions can be left to them and large areas of perennial ice and snow inventoried with a minimum of supervision.

The discussion of the data summary in Chapter 11 made it clear that an assessment of the quality of the data, in particular the snow-line elevation for a given year and the other values dependent on it, as well as the accuracy of area and especially volume measurements, are of great importance. Further evaluation is necessary before many of the values can be used in an analysis.

The data analysis itself will be relatively easy because the data are available in a format suitable for computer handling. A computer program has been developed that permits sorting according to any required characteristic or classification and from this sort, the average, total, maximum and minimum values and a histogram with specified step sizes of the desired parameters may be obtained (Ommanney et al, 1969).

The application to Axel Heiberg Island of the inventory recommendations outlined in the UNESCO/IASH guide (1970) was accomplished without any great difficulty. From this it can be concluded, in view of the complexity of ice cover on Axel Heiberg Island, that the international proposals are reasonable and that an inventory of all the perennial ice and snow masses on the land surface in Canada should be possible.

It has already become apparent that the rather time consuming and routine job of an inventory of glaciers will not only produce new, more reliable, values for the areas covered by permanent ice and snow, its distribution and an improved estimate of the ice volume, but will also provide a wealth of fringe benefits, such as an invaluable identification system for the many unnamed glaciers, information on the regional variations of the snow line and subsequently the mass balance, information on the lower limits of glacierization, on the present snout activity, on the distribution of glacier types and on the documentation (maps, photographs and literature)

of glaciers in Canada. Using the inventory, an archive will be set up to provide to interested scientists and others all the available information on the glacier of their choice and documentation on those similar in any respect to the one selected. The ability to provide detailed information on a variety of glaciers and on the variations in the ice cover within areas should do much to eliminate from the literature statements to the effect that certain studies on one glacier are representative of so many or all the other glaciers in the area. The inventory data will enable scientists to determine just how representative a glacier is before he is committed to the work.

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Since June 1967 the author has been attached to the Glaciology Subdivision (Head, Dr. O.H. Løken) of the Inland Waters Branch and has received much encouragement and support. This report represents the first of a series of glacier inventory reports covering the whole of Canada that will be produced by the Glaciology Subdivision.

The author was extremely fortunate in being invited to attend many of the meetings of the ICSI Working Group on the World Inventory of Perennial Ice and Snow Masses On and Beneath the Land Surfaces (Chairman, Dr. F. Müller). Many useful ideas and valuable criticism developed from this contact.

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Glacier Inventory Data

Appendix

LIST OF ABBREVIATIONS

IDENT. = Region and Basin identification

NO. = Glacier Number

U.T.M. = Universal Transverse Mercator Grid location

ORIENT - AC = Orientation of the Accumulation Area

ORIENT - AB = Orientation of the Ablation Area

ELEVATIONS - HIGH = Highest Elevation on the Glacier

ELEVATIONS - L.EX = Lowest Exposed Elevation of Glacier

ELEVATIONS - L.TL = Lowest (total) elevation of Glacier

ELEVATIONS - SNOW = Elevation of the Snow Line

MEAN ELEVATION - ACCU = Mean Elevation of the Accumulation Area

MEAN ELEVATION - ABLA = Mean Elevation of the Ablation Area

TOTAL LENGTH - ABLA = Length of Ablation Area including Debris

TOTAL LENGTH - EXP = Total Length of Exposed part of Glacier

TOTAL LENGTH - TOTAL = Total Length including debris cover

SURFACE AREA - EXP = Area of Exposed part of Glacier

SURFACE AREA - TOTAL = Total Area of all Glacier

SURFACE AREA - ABLATION = Total area of Ablation

AAR = Accumulation Area Ratio

(*) = Not accepted by Canadian Permanent Committee on Geographical Names

Figure 8. Area 46441C and D, Southern (EMR T492 R-16).

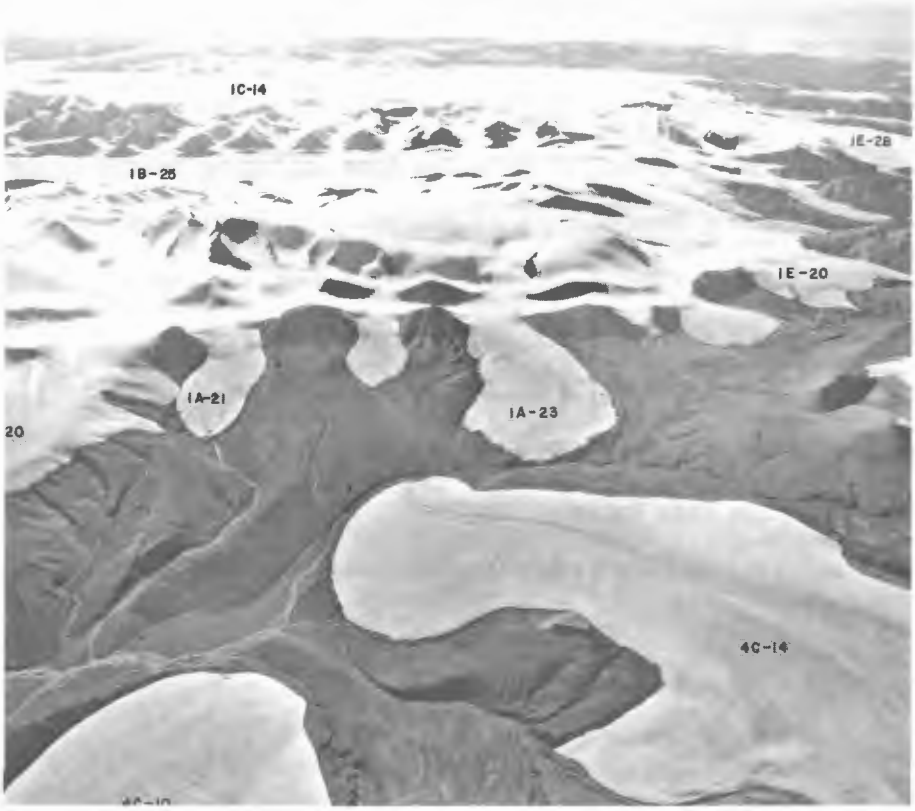

Figure 9. Area 46441A, B, C and E, Southern (EMR T498 R-65).

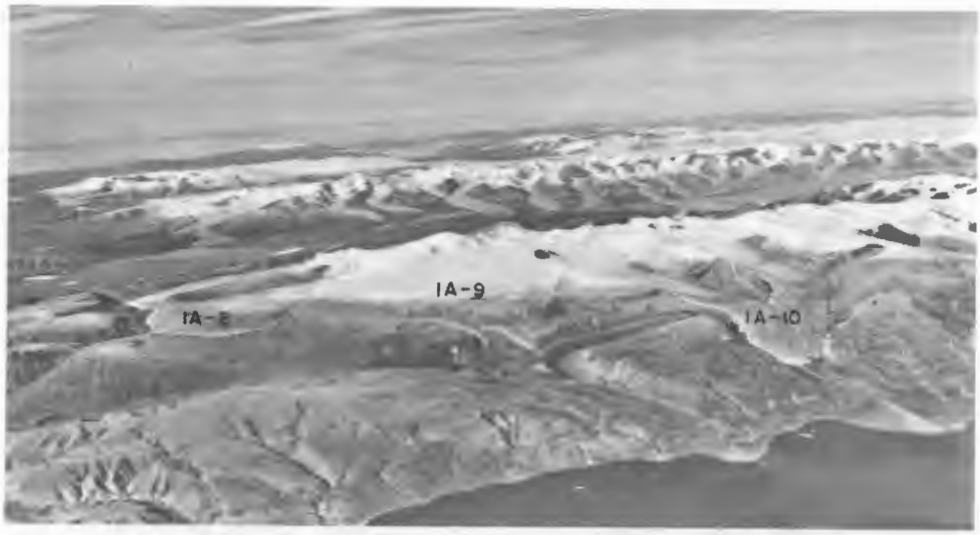

Figure 10. Area 46441A, Southern (EMR T491 L-134)

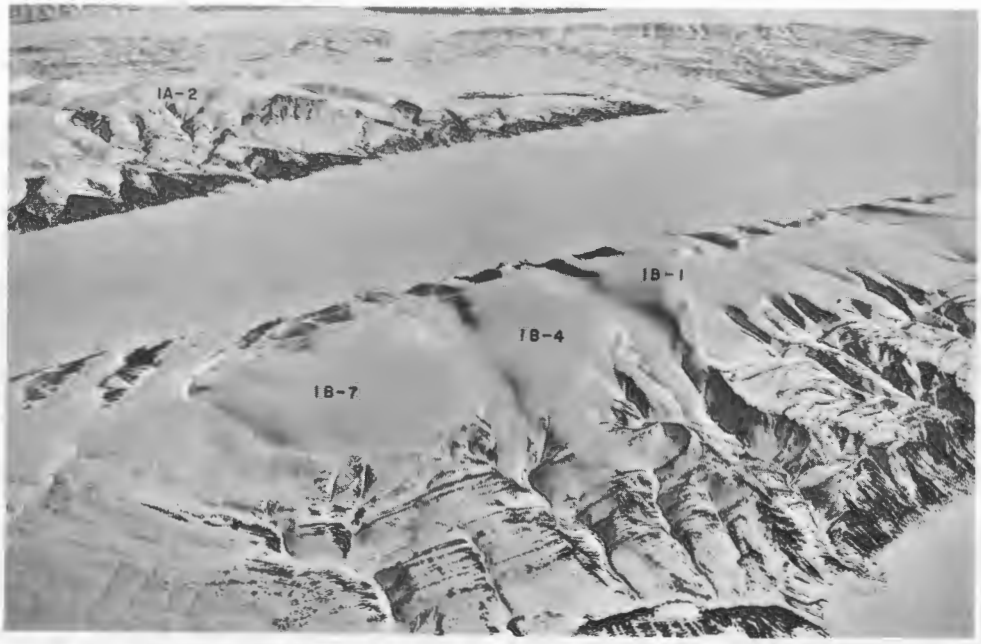

Figure 11. Area 46441A and B, Southern (EMR T502 R-10)

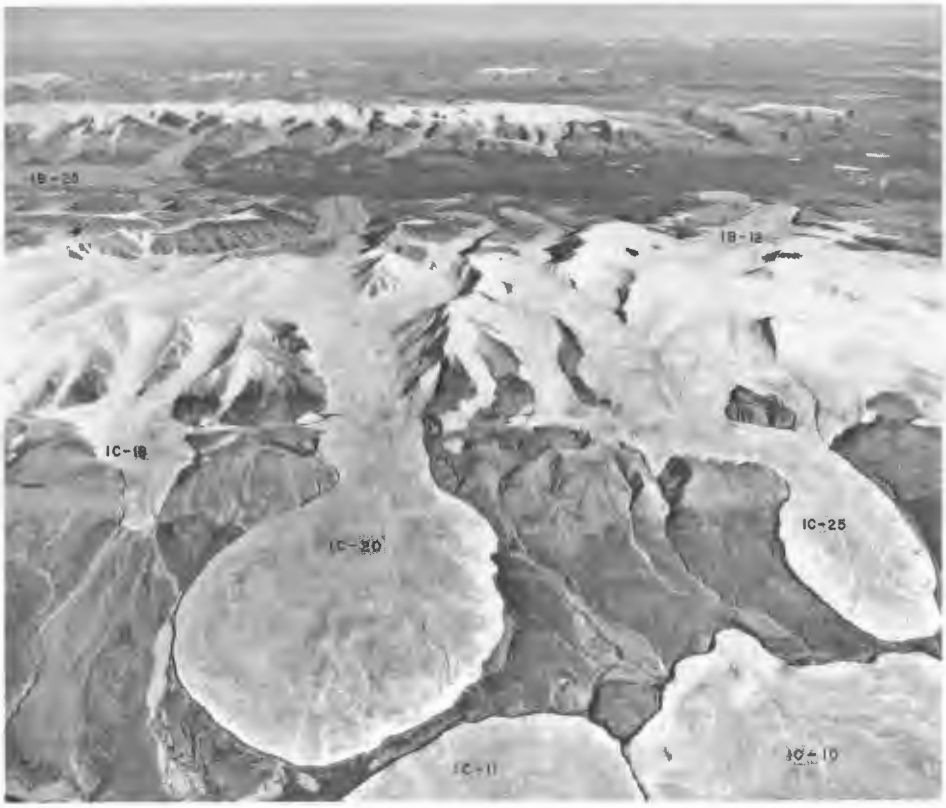

Figure 12. Area 46441B and C, Southern (EMR T489 L-75).

Figure 13. Area 46441C and D, Southern (EMR T440 R-52).

Figure 14. Area 46441C and D, Southern (EMR T440 R-58).

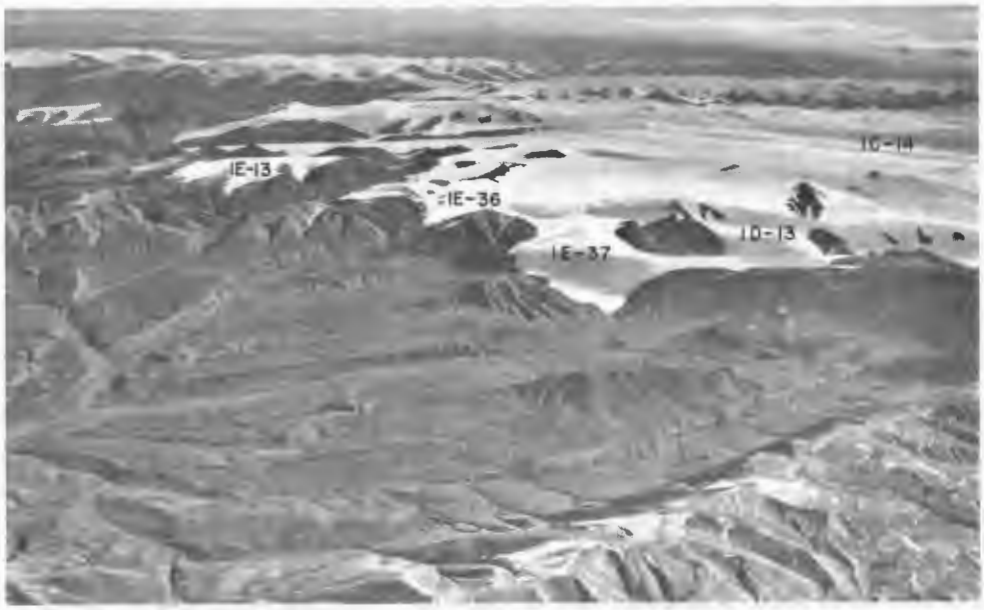

Figure 15. Area 46441C, D and E, Southern (EMR T412 R-94).

A. WOLF FIORD

"See List of Abbreviations on page 69"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46441A	1	W 89 11.0	N 78 22.2	16XDC450987005		S	640	427	427		28 7 59		549 3	2.2	2.2	2.2	.3
46441A	2	W 89 11.0	N 78 24.0	16XDC451087040		W	884	290	290		28 7 59		686 3	6.1	6.1	6.1	
46441A	3	W 89 16.0	N 78 24.8	16XDC449287053		W	686	655	655		28 7 59		667 3	.2	.2	.2	
46441A	4	W 89 19.0	N 78 25.8	16XDC448387072		NW	686	457	457		28 7 59		625 3	1.4	1.4	1.4	
46441A	5	W 89 15.0	N 78 26.5	16XDC449687084		NW	769	625	625		28 7 59		686 3	1.7	1.7	1.7	
46441A	6	W 89 08.0	N 78 26.2	16XDC452297079		NW	762	670	670		28 7 59		701 3	.9	.9	.9	
46441A	7	W 89 05.0	N 78 27.2	16XDC453287099		NW	792	610	610		28 7 59		838 3	2.0	2.0	2.0	
46441A	8	W 89 19.0	N 78 29.3	16XDC448487137	SE	S	1240	396	396	823	28 7 59	945 4	594 3	9.2	14.5	14.5	2.4
46441A	9	W 89 11.0	N 78 32.3	16XDC451687191	E	E	1180	259	259	869	28 7 59	960 4	610 3	4.0	7.1	7.1	
46441A	10	W 89 03.0	N 78 35.5	16XDC454787250	E	E	1234	137	137	884	28 7 59	991 4	625 3	10.0	13.9	13.9	1.9
46441A	11	W 89 13.0	N 78 38.3	16XDC451387303	NE	NE	1097	610	610	1067	28 7 59	1082 4	823 3	1.5	2.0	2.0	
46441A	12	W 89 14.0	N 78 41.5	16XDC451287365	NE	NE	1052	549	549	945	28 7 59	991 4	808 3	1.2	2.4	2.4	
46441A	13	W 89 03.0	N 78 41.5	16XDC455487364	E	E	1378	137	137	975	28 7 59	1129 4	655 3	11.0	15.9	15.9	1.8
46441A	14	W 89 17.0	N 78 45.0	16XDC450587428	E	E	1341	290	290	1006	28 7 59	1129 4	823 3	6.2	7.9	7.9	.9
46441A	15	W 89 18.0	N 78 46.5	16XDC450287456	NE	E	1341	274	274	975	28 7 59	1112 4	823 3	6.2	8.8	8.8	1.0
46441A	16	W 89 21.0	N 78 49.0	16XDC449987503	NE	NE	1402	244	244	884	28 7 59	1052 4	762 3	7.0	10.4	10.5	1.0
46441A	17	W 89 26.5	N 78 49.4	16XDC447287515		SE	1021	914	914		28 7 59		960 3	.9	.9	.9	
46441A	18	W 89 26.0	N 78 50.5	16XDC447487533	E	E	1524	259	259	975	28 7 59	1128 4	762 3	8.6	11.4	11.6	.8
46441A	19	W 89 36.5	N 78 51.1	16XDC443887544	SE	SE	1097	762	762	975	28 7 59	1036 4	884 3	1.2	1.8	1.8	
46441A	20	W 89 34.0	N 78 52.2	16XDC444787565	E	E	1686	335	335	1006	28 7 59	1189 4	823 3	6.4	10.2	10.2	1.1
46441A	21	W 89 43.0	N 78 53.0	16XDC441487583	E	E	1554	442	442	1067	28 7 59	1234 4	853 3	4.2	6.1	6.1	.8
46441A	22	W 89 48.0	N 78 54.2	16XDC439887602	NE	E	1524	564	564	1067	28 7 59	1250 4	869 3	3.2	4.2	4.2	.6
46441A	23	W 89 46.0	N 78 50.7	16XDC441087630	NE	NE	1387	442	442	1128	28 7 59	1295 4	808 3	6.2	8.8	8.8	1.1
46441A	24	W 89 52.0	N 78 56.2	16XDC438487643		NE	1067	732	732		28 7 59		899 3	1.4	1.4	1.4	.2

B. GLACIER FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46441B	1	W 89 48.0	N 78 18.5	16XDB436886942		S	799	305	305		28 7 59		660 3	2.8	2.8	2.8	
46441B	2	W 89 53.0	N 78 19.0	16XDB435086949		W	732	274	274		28 7 59		550 3	2.6	2.6	2.6	
46441B	3	W 89 45.0	N 78 19.2	16XDB438086956		E	732	122	122		28 7 59		460 3	2.7	2.7	2.7	
46441B	4	W 89 52.0	N 78 19.8	16XDB435886964		E	792	442	442		28 7 59		640 3	3.6	3.6	3.6	
46441B	5	W 89 55.0	N 78 20.0	16XDB434086972		W	777	320	320		28 7 59		600 3	2.0	2.0	2.0	.4
46441B	6	W 89 47.0	N 78 20.5	16XDB437486980		E	777	91	91		28 7 59		460 3	3.5	3.5	3.5	
46441B	7	W 89 53.0	N 78 21.5	16XDB435086994		N	777	213	213		28 7 59		610 3	3.0	3.0	3.0	
46441B	8	W 90 22.5	N 78 24.2	15XWT559087044		NE	651	579	579		13 8 59		600 3	.8	.8	.8	
46441B	9	W 90 28.0	N 78 24.5	15XWT558787050		S	549	488	488		13 8 59		515 3	.2	.2	.2	
46441B	10	W 90 22.0	N 78 25.5	15XWT559287068	SE	E	686	290	290	655	13 8 59	670 4	518 3	4.0	4.4	4.4	1.0
46441B	11	W 90 15.0	N 78 26.0	15XWT561487080	S	S	732	488	488	640	13 8 59	686 4	594 3	1.5	1.9	1.9	
46441B	12	W 90 09.0	N 78 26.8	15XWT563687096	SE	E	930	15	15	579	13 8 59	747 4	411 3	8.5	13.1	13.2	.8
46441B	13	W 90 14.0	N 78 28.2	15XWT561687124		E	610	427	427		13 8 59		490 3	.9	.9	.9	
46441B	14	W 90 19.0	N 78 28.8	15XWT560187132	E	E	792	427	427	579	13 8 59	655 4	500 3	1.4	1.6	1.6	
46441B	15	W 90 15.0	N 78 30.5	15XWT561287162	E	NE	1173	137	137	564	13 8 59	732 4	320 3	4.6	9.0	9.0	.8
46441B	16	W 90 16.0	N 78 31.2	15XWT560687176	E	NE	1173	137	137	579	13 8 59	732 4	366 3	4.6	8.4	8.4	.8
46441B	17	W 90 19.0	N 78 31.8	15XWT559687183		NE	686	594	594		13 8 59		640 3	.4	.4	.4	
46441B	18	W 90 18.5	N 78 32.5	15XWT559787197	N	N	640	427	427	533	13 8 59	610 4	457 3	.6	1.0	1.0	
46441B	19	W 90 16.0	N 78 33.5	15XWT560687216	E	E	1410	30	30	579	13 8 59	823 4	335 3	7.8	13.6	13.7	1.4
46441B	20	W 90 14.0	N 78 35.2	15XWT561087252	E	E	1410	76	76	533	13 8 59	762 4	290 3	4.5	11.0	11.2	.8
46441B	21	W 90 13.5	N 78 36.8	15XWT561287278	E	E	1410	91	91	518	13 8 59	777 4	335 3	5.0	10.6	10.9	.9
46441B	22	W 90 12.0	N 78 38.2	15XWT561687306	E	E	1387	122	122	533	13 8 59	800 4	366 3	3.8	8.8	8.8	.6
46441B	23	W 90 12.0	N 78 39.2	15XWT561387322	E	E	1387	137	137	518	13 8 59	800 4	366 3	3.2	9.1	9.1	.6
46441B	24	W 90 13.0	N 78 40.0	15XWT561087345	E	E	1387	152	152	488	13 8 59	792 4	366 3	5.0	8.2	8.2	1.0
46441B	25	W 90 08.0	N 78 41.5	15XWT562887368	S	S	1685	91	91	640	13 8 59	920 4	427 3	23.2	33.2	33.3	4.6
46441B	26	W 90 05.0	N 78 48.0	15XWT563287490	W	W	884	579	579	792	13 8 59	820 4	701 3	.9	1.2	1.2	.2
46441B	27	W 89 56.0	N 78 48.7	16XDC436587501	E		1250	1052	1052		13 8 59	1158 4		.0	.4	.4	
46441B	28	W 89 52.0	N 78 46.2	16XDC437687455	SE	SE	1494	914	914	1067	13 8 59	1250 4	975 3	1.2	1.2	1.2	.1
46441B	29	W 89 53.0	N 78 45.8	16XDC437587448	SE	SE	1494	884	884	1097	13 8 59	1250 4	991 3	.7	1.4	1.4	.2
46441B	30	W 89 58.0	N 78 43.5	16XDC435487410	W	NW	1067	610	610	792	13 8 59	823 4	732 3	.5	.8	.8	
46441B	31	W 89 54.0	N 78 42.2	16XDC436787386	W	W	1265	244	244	914	13 8 59	1082 4	701 3	3.6	5.8	5.8	.5
46441B	32	W 89 47.0	N 78 42.2	16XDC439187384	SW		1250	1189	1189		28 7 59	1200 4		.0	.2	.2	
46441B	33	W 89 55.0	N 78 41.2	16XDC436387366	W	W	1219	274	274	914	13 8 59	1067 4	747 3	3.9	4.8	5.1	.5
46441B	34	W 89 52.0	N 78 40.8	16XDC437287354	W	W	1219	305	305	914	28 7 59	1036 4	701 3	1.6	2.5	2.5	.2
46441B	35	W 89 48.0	N 78 39.2	16XDC438787328	SW	W	1378	76	76	945	28 7 59	1128 4	457 3	11.9	15.6	15.7	1.6
46441B	36	W 89 44.5	N 78 38.8	16XDC439487316	W	N	975	427	427		28 7 59		716 3	1.4	1.4	1.4	.2
46441B	37	W 89 43.0	N 78 37.5	16XDC440387292	W	W	1341	168	168	945	28 7 59	1067 4	732 3	6.2	7.2	7.4	.9
46441B	38	W 89 41.0	N 78 37.0	16XDC440887282		NW	914	564	564		28 7 59		747 3	.8	.8	.8	
46441B	39	W 89 40.0	N 78 36.5	16XDC441287271	SW	SW	975	457	457	945	28 7 59	955 4	777 3	1.4	1.6	1.6	.1
46441B	40	W 89 41.0	N 78 35.5	16XDC440887254	W	W	1219	198	198	945	28 7 59	1036 4	732 3	5.6	6.9	7.0	1.1
46441B	41	W 89 40.0	N 78 34.0	16XDC440987228	W	W	1234	137	137	914	28 7 59	1040 4	716 3	5.9	7.0	7.0	1.1
46441B	42	W 89 40.0	N 78 33.2	16XDC441087214	W	NW	1097	427	427	1090	28 7 59	1093 4	732 3	2.5	2.9	2.9	.5
46441B	43	W 89 40.0	N 78 32.4	16XDC440787197	W	S	1280	137	137	1006	28 7 59	1128 4	716 3	6.2	7.4	7.4	.5
46441B	44	W 89 38.0	N 78 31.2	16XDC441487175	W	SW	1097	381	381	975	28 7 59	1037 4	762 3	2.8	3.4	3.4	.4
46441B	45	W 89 39.0	N 78 30.6	16XDC441287166	W	W	1097	122	122	975	28 7 59	1006 4	701 3	5.0	5.0	5.1	.6
46441B	46	W 89 34.5	N 78 29.6	16XDC442687148		SW	762	564	564		28 7 59		686 3	.6	.6	.6	
46441B	47	W 89 35.0	N 78 29.0	16XDC442587137		W	975	610	610		28 7 59		838 3	1.0	1.0	1.0	
46441B	48	W 89 30.5	N 78 28.3	16XDC444287122	S	S	1143	137	137	884	28 7 59	995 4	640 3	7.1	10.6	10.6	1.1

C. SURPRISE FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46441C	1	W 90 59.0	N 78 17.8	15XWS545486916		SE	640	411	411		28 7 59		533 3	3.4	3.4	3.4	
46441C	2	W 90 58.0	N 78 19.1	15XWS546986944		NW	640	259	259		28 7 59		442 3	2.8	2.8	2.8	
46441C	3	W 91 10.0	N 78 21.0	15XWS541186978	SE	SE	967	259	259	701	28 7 59	777 4	533 3	3.8	5.9	5.9	2.0
46441C	4	W 90 59.0	N 78 21.0	15XWS545386992	E	SE	967	76	76	610	28 7 59	747 4	411 3	8.1	10.6	10.8	1.3
46441C	5	W 91 03.0	N 78 23.0	15XWT543787028		E	762	152	152		28 7 59		564 3	2.6	2.6	2.6	
46441C	6	W 91 01.0	N 78 24.5	15XWT544587046	E	NE	945	122	122	670	28 7 59	762 4	457 3	4.0	4.4	4.6	.6
46441C	7	W 91 02.0	N 78 25.3	15XWT543987060	E	NE	762	305	305	670	28 7 59	700 4	550 3	1.5	1.9	1.9	
46441C	8	W 91 00.5	N 78 26.5	15XWT544687082	E	S	998	107	107	686	28 7 59	770 4	472 3	8.5	11.6	11.7	1.0
46441C	9	W 91 03.0	N 78 27.5	15XWT543887102	E	E	823	183	183	686	28 7 59	770 4	472 3	4.8	7.2	7.2	.6
46441C	10	W 91 00.5	N 78 28.2	15XWT544587115	E	E	1072	122	122	732	28 7 59	853 4	427 3	7.8	12.1	12.1	1.1
46441C	11	W 91 03.0	N 78 29.5	15XWT543487136	E	E	975	137	137	716	28 7 59	838 4	488 3	5.5	10.2	10.2	.9
46441C	12	W 91 06.0	N 78 31.0	15XWT542487164	E	E	792	244	244	732	28 7 59	732 4	518 3	4.3	5.8	5.8	1.0
46441C	13	W 91 16.0	N 78 32.5	15XWT538487191	NE	N	960	366	366	732	28 7 59	853 4	640 3	3.8	6.8	6.8	.9
46441C	14	W 91 10.0	N 78 37.0	15XWT540687274	S	S	1750	46	46	762	13 8 59	975 4	488 3	28.2	45.0	45.0	6.5
46441C	15	W 90 52.0	N 78 36.8	15XWT547187275	W	NW	945	533	533	792	17 8 59	884 4	670 3	1.4	1.9	1.9	.2
46441C	16	W 90 52.5	N 78 35.9	15XWT547087255		NW	594	533	533		17 8 59		560 3	.6	.6	.6	
46441C	17	W 90 54.5	N 78 34.1	15XWT546487223	W	SW	1410	274	274	792	17 8 59	960 4	442 3	7.1	10.9	10.9	1.1
46441C	18	W 90 48.0	N 78 32.5	15XWT548787196	W	W	1097	290	290	884	17 8 59	1052 4	640 3	3.8	4.7	4.8	.8
46441C	19	W 90 45.0	N 78 32.2	15XWT550187190		W	1067	610	610		17 8 59		850 3	1.0	1.0	1.0	.1
46441C	20	W 90 50.0	N 78 30.8	15XWT548287162	W	W	1204	183	183	762	17 8 59	960 4	442 3	6.8	13.9	13.9	1.4
46441C	21	W 90 46.0	N 78 30.5	15XWT545787197		NW	549	503	503		17 8 59		520 3	.2	.2	.2	
46441C	22	W 90 45.0	N 78 30.5	15XWT550287158		N	610	549	549		17 8 59		575 3	.4	.4	.4	
46441C	23	W 90 41.5	N 78 30.5	15XWT551487159	W	SW	1097	610	610	945	17 8 59	1067 4	823 3	1.0	2.1	2.1	.2
46441C	24	W 90 42.0	N 78 29.8	15XWT551287145	W	SW	1097	457	457	869	17 8 59	975 4	610 3	2.8	4.5	4.5	.6
46441C	25	W 90 44.5	N 78 27.8	15XWT550187110	W	W	1204	152	152	701	17 8 59	884 4	503 3	5.0	9.2	9.6	1.4
46441C	26	W 90 41.0	N 78 26.3	15XWT551787080		W	640	152	152		17 8 59		518 3	4.1	4.1	4.1	.8
46441C	27	W 90 32.0	N 78 24.5	15XWT555487051	S	S	962	259	259	701	17 8 59	823 4	545 3	6.6	9.2	9.2	1.2
46441C	28	W 90 37.5	N 78 24.8	15XWT553287053		W	549	503	503		17 8 59		525 3	.2	.2	.2	
46441C	29	W 90 37.0	N 78 24.5	15XWT553487049		W	549	503	503		17 8 59		525 3	.1	.1	.1	
46441C	30	W 90 32.0	N 78 23.0	15XWT555387020		N	610	442	442		17 8 59		515 3	.9	.9	.9	

AREA #46441 SOUTHERN AXEL HEIBERG ISLAND. N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1959

A. WOLF FIORD

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46441A	1	.91	.91 3	.91 3	0	15	.01	3 650132	42000	ATTACHED TO 46441A -2	
46441A	2	11.39	11.39 3	11.39 3	0	75	.85	3 390132	42000	TWO SMALL OUTLET STREAMS	
46441A	3	.10	.10 3	.10 3	0	15	.00	3 390132	42000		
46441A	4	.50	.50 3	.50 3	0	15	.01	3 390132	42000		
46441A	5	1.71	1.71 3	1.71 3	0	25	.04	3 390132	42100	SMALL BANDED ICE CAP	
46441A	6	.40	.40 3	.40 3	0	15	.01	3 390132	42100	SMALL BANDED ICE CAP	
46441A	7	1.51	1.51 3	1.51 3	0	25	.04	3 390132	42100	SMALL BLACK BANDED ICE CAP	
46441A	8	48.28	48.28 3	25.70 3	47	200	9.66	3 532114	44001	OUTLET FROM TONGUE 46441B-4B	
46441A	9	8.68	8.68 3	1.72 3	80	30	.26	3 200112	42000	TWO SMALL TONGUES	
46441A	10	64.21	64.21 3	34.88 3	46	200	12.84	3 510114	42007	TWO MAIN STREAMS	
46441A	11	2.62	2.62 3	2.32 3	11	25	.58	3 390112	42000	LARGE VEGETATION FREE AREA	
46441A	12	4.03	4.03 3	2.82 3	30	25	.10	3 300112	44000	FOUR SMALL OUTLET STREAMS	
46441A	13	88.00	88.00 3	44.76 3	49	200	17.60	3 510114	44129	COMPLEX SYSTEM 7 MAJOR BASINS	
46441A	14	10.59	10.59 3	7.26 3	32	125	1.33	3 530112	42110	VISIBLE FLOW PLANES	
46441A	15	16.54	16.54 3	12.00 3	27	125	2.07	3 520112	42010		
46441A	16	24.19	24.59 3	11.99 3	51	200	4.92	3 530112	42013		
46441A	17	.40	.40 3	.40 3	0	15	.01	3 300132	42000		
46441A	18	34.27	35.38 3	18.75 3	47	200	7.00	3 512112	42111	GOOD TERMINAL MORAINE	
46441A	19	1.11	1.11 3	1.01 3	9	20	.02	3 650112	42000		
46441A	20	23.28	23.58 3	10.28 3	56	200	4.72	3 536112	42010	TWO SMALL DISTRIBUTARIES	
46441A	21	9.17	9.17 3	4.13 3	55	125	1.15	3 505112	42010	FLOW PLANES ON SNOUT	
46441A	22	5.64	5.64 3	1.51 3	73	125	.71	3 522112	42001	FLOW PLANES ON SNOUT	
46441A	23	19.05	19.05 3	9.57 3	51	125	2.38	3 532112	42010		
46441A	24	1.41	1.41 3	1.41 3	0	50	.07	3 520112	42000	STRUCTURALLY CONTROLLED VALLEY	

B. GLACIER FIORD

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46441B	1	3.33	3.33 3	3.33 3	0	25	.08	3 300132	42000	SMALL DOME	
46441B	2	1.71	1.91 3	1.91 3	0	50	.01	3 400132	42010		
46441B	3	1.51	1.51 3	1.51 3	0	50	.01	3 400132	42000		
46441B	4	5.04	5.04 3	5.04 3	0	75	.37	3 300132	42000	SMALL DOME	
46441B	5	1.41	1.41 3	1.41 3	0	50	.01	3 400132	42000		
46441B	6	2.92	3.12 3	3.12 3	0	50	.16	3 400132	42010	DRAINAGE CHANNEL CUTS SNOUT	
46441B	7	5.94	5.94 3	5.94 3	0	75	.45	3 300132	42000	SMALL DOME	
46441B	8	.30	.30 3	.30 3	0	15	.00	3 390132	42000		
46441B	9	.15	.15 3	.15 3	0	15	.00	3 650112	42000	REMNANT	
46441B	10	7.87	7.87 3	7.06 3	10	125	.98	3 530110	42002	DRAINAGE CHANNEL CUTS SNOUT	
46441B	11	2.01	2.01 3	1.31 3	35	20	.04	3 200112	42000	BIFURCATING TONGUE	
46441B	12	30.44	30.44 3	14.62 3	54	200	6.31	3 520114	44152	WELL DEVELOPED MORAINES	
46441B	13	.50	.50 3	.50 3	0	20	.01	3 220102	42000		
46441B	14	.70	.70 3	.30 3	57	15	.01	3 650110	42000		
46441B	15	14.02	14.52 3	4.94 3	66	125	1.82	3 520114	44010		
46441B	16	9.98	10.68 3	4.33 3	59	125	1.33	3 530112	44012		
46441B	17	.20	.20 3	.20 3	0	15	.00	3 650112	42000		
46441B	18	.25	.25 3	.15 3	30	15	.00	3 650112	42000		
46441B	19	34.27	35.08 3	13.61 3	61	200	7.02	3 510112	44143	WELL DEVELOPED MORAINES	
46441B	20	15.42	15.92 3	4.63 3	72	125	2.00	3 520112	44012	3 MAIN BASINS	
46441B	21	15.42	16.12 3	5.03 3	69	125	2.01	3 520112	44044	TWO MAIN STREAMS	
46441B	22	11.49	11.89 3	3.12 3	74	125	1.49	3 535112	44011	TOUCHES 46441B-25	
46441B	23	10.69	10.69 3	2.12 3	80	125	1.34	3 535112	44010	TOUCHES 46441B-25	
46441B	24	32.36	32.36 3	7.06 3	80	200	6.47	3 415112	44012	TOUCHES 46441B-25 3 MAIN STREAMS	
46441B	25	382.13	382.94 3	135.88 3	65	250	95.53	3 410113	44139	MANY TRIBUTARY GLACIERS.MAY SURGE	
46441B	26	.60	.60 3	.40 3	33	15	.01	3 620112	42010		
46441B	27	.11	.11 3	.00 3	100	15	.00	3 650112	42000		
46441B	28	.50	.50 3	.10 3	80	15	.01	3 650112	42000		
46441B	29	.60	.60 3	.30 3	50	15	.01	3 620112	42000		
46441B	30	.70	.70 3	.30 3	57	15	.01	3 650112	42000	OVERFLOW FROM TRIB TO 46441B-25	
46441B	31	5.35	5.35 3	3.33 3	38	125	.60	3 520112	42002	TRIM LINES	
46441B	32	.20	.20 3	.00 3	100	20	.00	3 203112	42000		
46441B	33	4.48	4.43 3	3.73 3	16	50	.22	3 520112	42010	TWO ACCU BASINS	
46441B	34	1.31	1.31 3	.91 3	31	20	.03	3 620112	44000	3 ACCU BASINS	
46441B	35	49.39	50.80 3	24.59 3	52	200	10.16	3 512113	44175	5 STREAMS 11 BASINS	
46441B	36	.23	.28 3	.28 3	0	15	.00	3 650112	44000		
46441B	37	14.51	14.91 3	9.77 3	34	125	1.87	3 513114	44012	2 MAIN STREAMS	
46441B	38	.19	.19 3	.19 3	0	15	.00	3 650102	42000		
46441B	39	.54	.54 3	.38 3	30	15	.01	3 650112	42000	TRIM LINES	
46441B	40	8.16	8.16 3	6.04 3	29	125	1.06	3 530114	44110	FLOW PLANES	
46441B	41	11.89	12.19 3	8.26 3	32	125	1.52	3 510114	44041	2 STREAMS	
46441B	42	1.81	1.91 3	1.71 3	10	20	.04	3 655112	44000	TOUCHES 46441B-41	
46441B	43	7.86	7.86 3	6.65 3	15	125	.98	3 525112	44012	TOUCHES 46441B-44 AND 45	
46441B	44	2.42	2.42 3	1.41 3	42	50	.11	3 535112	44000	TOUCHES 46441B-43	
46441B	45	4.33	4.33 3	4.33 3	4	50	.23	3 535112	44040	TOUCHES 46441B-43	
46441B	46	.40	.40 3	.40 3	0	15	.01	3 650102	42000		
46441B	47	.60	.60 3	.60 3	0	15	.01	3 390102	42000		
46441B	48	17.74	17.74 3	12.80 3	28	125	2.22	3 535112	42010	TOUCHES DISTRIBUTARY 46441B-8	

C. SURPRISE FIORD

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46441C	1	10.48	10.48 3	5.44 3	0	30	.31	3 200102	42001		
46441C	2	5.04	5.04 3	5.04 3	0	30	.15	3 200112	42000	3 ICE STREAMS	
46441C	3	18.44	18.59 3	15.67 3	16	125	2.32	3 403112	42010	2 MAIN STREAMS	
46441C	4	18.45	20.77 3	15.73 3	24	200	4.15	3 522112	42153	WELL DEFINED MORAINES	
46441C	5	2.87	2.92 3	2.92 3	0	20	.06	3 200112	42000		
46441C	6	3.75	3.83 3	2.72 3	29	50	.19	3 530112	44011	STEEP HEADWALL	
46441C	7	1.41	1.41 3	1.11 3	21	20	.03	3 655112	44000	TRIM LINES	
46441C	8	43.14	45.06 3	23.79 3	47	200	9.11	3 421412	44052	EXPANDED FOOT JOINS 46441C-9	
46441C	9	10.28	10.58 3	7.46 3	29	30	.32	3 201112	44010	JOINS 46441C-8,10	
46441C	10	34.67	34.67 3	15.52 3	55	200	6.94	3 401114	44012	JOINS 46441C-9,11	
46441C	11	27.72	27.72 3	14.01 3	49	200	5.54	3 401114	44003	EXPANDED FOOT JOINS 46441C-10	
46441C	12	9.98	9.98 3	8.37 3	16	125	1.25	3 402114	44000	STEEP ICE CLIFFS	
46441C	13	17.34	17.34 3	10.89 3	37	125	2.17	3 405114	42000	JOINS 46441C-14	
46441C	14	641.09	641.09 3	214.10 3	67	250	160.27	3 411114	44119	INTERMONTANE GLACIER MAYBE SURGE	GOOD FRIDAY BAY
46441C	15	1.51	1.51 3	.81 3	46	50	.08	3 535310	44000	JOINS 46441C-14	
46441C	16	.25	.25 3	.25 3	0	15	.00	3 650112	44000		
46441C	17	26.51	26.51 3	15.32 3	42	200	5.30	3 515114	44015	JOINS 46441C-14 3 MAIN BASINS	
46441C	18	5.74	6.04 3	4.33 3	28	125	.75	3 510112	44011	TWO MAIN BASINS	
46441C	19	.20	.20 3	.20 3	0	15	.00	3 650112	42000		
46441C	20	31.95	32.25 3	14.01 3	57	200	6.45	3 522113	44110	BULBOUS EXPANDED FOOT	
46441C	21	.10	.10 3	.10 3	0	15	.00	3 690102	42000		
46441C	22	.20	.20 3	.20 3	0	20	.00	3 200101	42000	PROBABLY REMNANT LOBE OF IC-20	
46441C	23	.90	.90 3	.50 3	44	15	.01	3 650112	42000	TRIM LINES VISIBLE	
46441C	24	3.32	3.32 3	1.81 3	45	50	.17	3 535112	44000	JOINS 46441C-25	
46441C	25	29.24	29.64 3	15.02 3	49	200	5.94	3 520112	44012	FLOWS ROUND NUNATAK	
46441C	26	5.85	6.45 3	6.45 3	0	125	.81	3 532112	44011		
46441C	27	25.30	25.30 3	17.64 3	30	200	5.06	3 533112	44003	PROMINENT DRAINAGE CHANNEL	
46441C	28	.10	.10 3	.10 3	0	15	.00	3 790102	42000		
46441C	29	.10	.10 3	.10 3	0	15	.00	3 790102	42000		
46441C	30	.91	.91 3	.91 3	0	15	.01	3 100132	42000		

D. GOOD FRIDAY BAY AND SAND BAY

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IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46441D	1	W 93 42.0	N 78 53.3	15XWT485087574	NE	NE	549	290	290	305	22 7 58	442 4	295 3	.4	1.6	1.6	
46441D	2	W 93 46.0	N 78 53.5	15XWT483687578	NE	NE	427	274	274	305	22 7 58	366 4	290 3	.2	.5	.5	
46441D	3	W 93 47.0	N 78 53.5	15XWT483287578	NE	NE	442	229	229	305	22 7 58	381 4	274 3	.3	.8	.8	
46441D	4	W 92 37.8	N 78 56.1	15XWT508287627		N	716	547	547		28 7 59		631 3	.8	.8	.8	
46441D	5	W 92 40.0	N 78 55.5	15XWT507087616		NW	724	547	547		28 7 59		636 3	.6	.6	.6	
46441D	6	W 92 53.5	N 78 52.7	15XWT502487561	NW	NW	935	411	411	823	22 7 58	914 4	610 3	.4	1.4	1.4	
46441D	7	W 92 48.5	N 78 53.0	15XWT504287568	N	N	935	427	427	823	22 7 58	884 4	610 3	1.1	1.9	1.9	
46441D	8	W 92 52.0	N 78 51.2	15XWT503087535	NE		732	305	305		22 7 58	686 4		.0	1.2	1.2	
46441D	9	W 92 57.5	N 78 50.0	15XWT501087513	NW	NW	972	305	305	777	22 7 58	853 4	670 3	2.5	3.9	3.9	
46441D	10	W 92 15.5	N 78 50.7	15XWT516087525		NW	747	610	610		28 7 59		679 3	.9	.9	.9	
46441D	11	W 92 12.5	N 78 50.7	15XWT517087525		N	747	571	571		28 7 59		659 3	.9	.9	.9	
46441D	12	W 92 11.5	N 78 51.2	15XWT517487535		NW	768	598	598		28 7 59		683 3	.7	.7	.7	
46441D	13	W 91 47.5	N 78 55.0	15XWT526087607	W	NW	1485	564	564	823	28 7 59	960 4	747 3	3.1	9.2	9.2	2.1
46441D	14	W 91 45.0	N 78 53.2	15XWT526887575	W	NW	1372	579	579	823	28 7 59	975 4	762 3	1.8	6.8	6.8	
46441D	15	W 91 48.0	N 78 51.2	15XWT525887539	W	W	1372	427	427	838	28 7 59	1173 4	732 3	4.1	10.2	10.2	
46441D	16	W 91 47.0	N 78 49.5	15XWT526387505	W	W	1372	305	305	838	28 7 59	1062 4	686 3	4.6	10.2	10.2	
46441D	17	W 91 45.0	N 78 48.2	15XWT527287582	W	W	1250	290	290	777	28 7 59	930 4	610 3	3.9	9.0	9.0	
46441D	18	W 91 42.0	N 78 47.3	15XWT528287464	W	W	828	579	579	777	28 7 59	808 4	686 3	1.1	1.4	1.4	
46441D	19	W 91 41.5	N 78 46.8	15XWT528587455	W	W	823	594	594	747	28 7 59	808 4	686 3	.6	1.0	1.0	
46441D	20	W 91 38.0	N 78 45.9	15XWT529787438	W	W	1204	427	427	777	28 7 59	1006 4	670 3	2.4	8.0	8.0	2.5
46441D	21	W 91 38.0	N 78 44.2	15XWT529987408	W	NW	1204	320	320	792	28 7 59	975 4	625 3	2.5	6.2	6.2	.9
46441D	22	W 91 39.0	N 78 43.5	15XWT529587395	W	NW	1072	320	320	732	28 7 59	869 4	625 3	4.1	7.1	7.1	.8
46441D	23	W 91 41.0	N 78 42.8	15XWT528887382	NW	NW	1072	274	274	701	28 7 59	838 4	655 3	3.1	9.5	9.5	.9
46441D	24	W 91 55.0	N 78 43.7	15XWT523987397	S	SW	1106	457	457	823	25 7 59	960 4	670 3	1.9	2.8	2.9	.5
46441D	25	W 92 04.5	N 78 44.4	15XWT520287411	SW	SW	1057	183	183	914	25 7 59	1006 4	576 3	5.1	6.5	6.5	.9
46441D	26	W 92 11.0	N 78 45.8	15XWT517987432	S	S	1057	366	366	869	25 7 59	914 4	655 3	2.5	3.8	3.8	.6
46441D	27	W 92 24.5	N 78 45.3	15XWT512987424	N	N	747	411	411	610	22 7 58	686 4	533 3	.8	1.6	1.6	
46441D	28	W 92 14.5	N 78 46.8	15XWT516587452	NE	NE	914	229	213	792	25 7 59	869 4	625 3	2.3	2.5	2.6	.5
46441D	29	W 92 12.0	N 78 47.0	15XWT517487456	NE	NE	884	244	244	853	25 7 59	869 4	640 3	1.6	1.8	1.8	.2
46441D	30	W 92 10.0	N 78 47.5	15XWT518287464	N	N	945	366	366	884	25 7 59	930 4	762 3	1.7	2.0	2.0	
46441D	31	W 92 07.0	N 78 47.5	15XWT519287466	N	N	991	427	427	945	25 7 59	975 4	792 3	2.1	2.4	2.4	
46441D	32	W 92 05.0	N 78 47.5	15XWT519887465	N	N	991	305	305	945	25 7 59	975 4	762 3	1.8	2.1	2.1	.1
46441D	33	W 92 03.0	N 78 47.5	15XWT520687466	N	N	1006	244	183	930	25 7 59	975 4	762 3	2.8	3.2	3.5	.8
46441D	34	W 91 58.5	N 78 47.0	15XWT522387457	N	N	1028	442	442	930	25 7 59	960 4	732 3	1.9	2.9	2.9	.5
46441D	35	W 91 56.0	N 78 47.0	15XWT523387457		NE	1028	549	549		25 7 59		762 3	1.9	1.9	1.9	.4
46441D	36	W 91 53.0	N 78 46.5	15XWT524287446	NE	NE	1028	518	518	869	25 7 59	914 4	716 3	1.8	2.5	2.5	.9
46441D	37	W 91 51.5	N 78 45.8	15XWT525087436	NE	NE	1067	549	549	853	25 7 59	914 4	716 3	1.5	2.2	2.2	.6
46441D	38	W 91 49.0	N 78 44.7	15XWT525787416	E	E	1106	564	564	823	22 7 59	1006 4	732 3	1.4	2.5	2.5	.2
46441D	39	W 92 07.5	N 78 41.8	15XWT519287361		NW	755	610	610		25 7 59		670 3	.9	.9	.9	
46441D	40	W 91 50.0	N 78 41.4	15XWT525687354	NW	NW	1250	274	274	747	25 7 59	884 4	549 3	6.2	9.5	9.5	1.2
46441D	41	W 91 57.0	N 78 41.2	15XWT523087352	NE	N	960	290	290	762	25 7 59	899 4	550 3	2.6	3.9	3.9	.5
46441D	42	W 92 05.0	N 78 40.6	15XWT520287339	NW	N	975	229	229	762	25 7 59	838 4	594 3	4.1	5.6	5.6	.8
46441D	43	W 92 02.0	N 78 39.2	15XWT521487310	W	W	945	427	427	914	25 7 59	925 4	640 3	2.1	2.4	2.4	.5
46441D	44	W 91 56.0	N 78 37.7	15XWT523787283	S	S	1006	274	274	777	25 7 59	884 4	594 3	4.5	7.5	7.5	1.2
46441D	45	W 91 44.5	N 78 38.0	15XWT527887292	S	S	1250	290	290	777	25 7 59	960 4	564 3	2.3	5.0	5.0	.8
46441D	46	W 91 38.0	N 78 38.3	15XWT530287298	SE	SE	1250	427	427	777	28 7 59	1036 4	564 3	2.1	4.0	4.1	.5
46441D	47	W 91 37.0	N 78 39.0	15XWT530487310	SE	SE	945	747	747	838	28 7 59	880 4	780 3	.3	.5	.5	.6
46441D	48	W 91 32.0	N 78 38.8	15XWT532387306	S	S	1067	457	457	823	28 7 59	960 4	701 3	2.5	4.0	4.0	1.4
46441D	49	W 91 25.5	N 78 38.7	15XWT534887306	S	S	1067	549	549	823	28 7 59	884 4	670 3	2.1	3.6	3.6	1.0
46441D	50	W 91 21.0	N 78 38.8	15XWT536487308	S	SE	869	427	427	823	28 7 59	840 4	655 3	2.6	3.0	3.0	.5
46441D	51	W 91 22.5	N 78 38.2	15XWT535887298		NE	655	579	579		28 7 59		610 3	.9	.9	.9	
46441D	52	W 91 22.5	N 78 37.3	15XWT535987280		NE	670	579	579		28 7 59		615 3	.8	.8	.8	
46441D	53	W 91 27.5	N 78 31.7	15XWT534587174		NW	762	366	366		28 7 59		579 3	1.0	1.0	1.0	
46441D	54	W 91 26.0	N 78 30.8	15XWT534987159	NW	NW	1072	137	137	823	28 7 59	975 4	457 3	4.4	5.6	5.6	.2
46441D	55	W 91 29.5	N 78 30.8	15XWT533587159	W	NW	853	533	533	825	28 7 59	835 4	670 3	1.0	1.0	1.1	
46441D	56	W 91 31.0	N 78 30.3	15XWT533187151		NW	853	533	533		28 7 59		670 3	.9	.9	.9	
46441D	57	W 91 31.5	N 78 29.2	15XWT532987129	W	NW	1072	152	152	823	28 7 59	960 4	564 3	4.8	7.8	7.8	1.5
46441D	58	W 91 31.5	N 78 28.3	15XWT532887114	W	W	1072	427	427	823	28 7 59	960 4	670 3	1.9	4.4	4.4	.6
46441D	59	W 91 34.0	N 78 25.8	15XWT532087064	W	SW	1072	274	274	686	28 7 59	884 4	564 3	5.0	8.5	8.5	
46441D	60	W 91 24.0	N 78 22.1	15XWS536186996	SW	SW	967	274	274	747	28 7 59	808 4	579 3	5.4	8.0	8.0	
46441D	61	W 92 46.0	N 78 26.8	15XWT505187079	E	E	845	244	244	411	22 7 58	610 4	335 3	.6	2.5	2.5	
46441D	62	W 92 48.0	N 78 27.5	15XWT504587093	NE	E	701	213	213	457	22 7 58	594 4	381 3	1.0	2.6	2.6	.2
46441D	63	W 92 52.0	N 78 27.0	15XWT503087084	W		792	488	488		22 7 58	670 4		.0	.8	.8	
46441D	64	W 92 51.0	N 78 25.8	15XWT503487063	NW	NW	823	335	335	457	22 7 58	655 4	427 3	.6	1.8	1.8	
46441D	65	W 92 46.0	N 78 25.5	15XWT505287056	S	S	549	366	366	457	22 7 58	518 4	427 3	.2	1.5	1.5	
46441D	66	W 92 42.0	N 78 25.8	15XWT506887062	NE	NE	610	183	183	396	22 7 58	503 4	290 3	1.2	3.0	3.0	.5

E. STRAND FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46441E	1	W 90 41.0	N 79 06.8	15XWT548787834		N	975	808	808		13 8 59		945 3	1.0	1.0	1.0	
46441E	2	W 90 44.0	N 79 07.0	15XWT547687837	E	E	1250	762	762	1067	13 8 59	1220 4	960 3	.6	1.2	1.2	
46441E	3	W 90 45.0	N 79 09.2	15XWT547287880		N	716	670	670		13 8 59		690 3	.3	.3	.3	
46441E	4	W 90 47.0	N 79 08.2	15XWT546687860	W	W	1250	762	762	1158	13 8 59	1204 4	1052 3	1.0	1.4	1.4	
46441E	5	W 90 47.0	N 79 07.6	15XWT546687846	W	NW	1250	884	884	1158	13 8 59	1204 4	1052 3	.7	1.2	1.2	
46441E	6	W 90 47.0	N 79 07.0	15XWT546587836	W	NW	1250	732	732	1158	13 8 59	1204 4	1036 3	1.6	2.1	2.1	.2
46441E	7	W 90 49.0	N 79 06.2	15XWT546087823	W	N	1250	914	914	1158	13 8 59	1204 4	1006 3	1.6	2.2	2.2	
46441E	8	W 90 54.0	N 79 06.9	15XWT544387834		NE	1006	914	914		13 8 59		960 3	2.2	2.2	2.2	
46441E	9	W 91 16.0	N 79 02.8	15XWT536787753		N	1021	678	678		13 8 59		1006 3	.6	.6	.6	
46441E	10	W 91 17.0	N 79 03.5	15XWT536387768		N	1021	945	945		13 8 59		1006 3	.6	.6	.6	
46441E	11	W 91 18.0	N 79 04.2	15XWT535987783		N	1067	844	844		13 8 59		975 3	.9	.9	.9	
46441E	12	W 91 24.0	N 79 04.1	15XWT533787778		N	960	823	823		13 8 59		930 3	.8	.8	.8	
46441E	13	W 91 24.0	N 79 02.4	15XWT534087745	W	W	1128	754	754	1067	13 8 59	1097 4	991 3	1.8	6.0	6.0	
46441E	14	W 91 42.0	N 79 04.3	15XWT527587782		N	914	640	640		28 7 59		945 3	2.2	2.2	2.2	
46441E	15	W 91 45.0	N 79 04.3	15XWT528487782		NW	975	869	869		28 7 59		945 3	.6	.6	.6	
46441E	16	W 92 10.0	N 79 06.0	15XWT517587813		NE	960	762	762		25 7 59		914 3	.9	.9	.9	
46441E	17	W 92 12.0	N 79 06.8	15XWT517087824		N	945	564	564		25 7 59		762 3	1.4	1.4	1.4	
46441E	18	W 92 15.5	N 79 06.3	15XWT515687818		W	670	335	335		25 7 59		457 3	.8	.8	.8	
46441E	19	W 89 54.0	N 78 57.2	15XWT438187663	NE	NE	1387	594	594	1006	28 7 59	1219 4	823 3	3.0	4.7	4.7	.7
46441E	20	W 90 04.0	N 78 58.0	15XWT562887681	N	N	1494	457	457	945	13 8 59	1069 4	762 3	4.6	9.1	9.1	
46441E	21	W 90 10.0	N 78 58.0	15XWT560487676	N	NW	1494	427	427	945	13 8 59	1112 4	777 3	4.8	8.0	8.0	1.5
46441E	22	W 90 17.0	N 78 57.5	15XWT557987668	NE	N	975	488	488	792	13 8 59	899 4	701 3	2.8	6.5	6.5	
46441E	23	W 90 22.0	N 78 57.6	15XWT556287668	NE	N	823	488	488	792	13 8 59	805 4	640 3	1.4	1.5	1.5	
46441E	24	W 90 22.0	N 78 59.0	15XWT556287696	NE	N	1749	274	274	853	13 8 59	1128 4	716 3	5.2	21.2	21.2	.8
46441E	25	W 90 33.0	N 78 59.5	15XWT552287700	NE	NE	1372	899	899	1219	13 8 59	1280 4	1040 3	1.0	1.2	1.2	
46441E	26	W 90 34.0	N 78 59.7	15XWT551987704	NE	NE	1295	1021	1021	1219	13 8 59	1250 4	1110 3	.6	.9	.9	
46441E	27	W 90 33.0	N 79 00.8	15XWT552187723	E	N	1250	503	503	1006	13 8 59	1097 4	869 3	3.1	4.2	4.2	.5
46441E	28	W 90 47.0	N 78 59.9	15XWT547087706	N	NW	1676	152	152	991	13 8 59	1219 4	808 3	8.5	15.8	15.8	1.5
46441E	29	W 90 59.0	N 78 59.0	15XWT543287691	NW	NW	1554	701	701	945	28 7 59	1189 4	884 3	4.2	9.3	9.3	
46441E	30	W 91 06.0	N 78 59.0	15XWT540487688	N	N	1027	122	122	975	13 8 59	1189 4	762 3	13.5	25.8	25.8	3.6
46441E	31	W 91 13.5	N 78 59.2	15XWT537887690	N	N	1173	732	732	991	13 8 59	1082 4	823 3	1.0	1.2	1.2	
46441E	32	W 91 19.0	N 78 58.0	15XWT535887682	NE	NE	1189	899	899	991	13 8 59	1052 4	930 3	.6	1.5	1.5	
46441E	33	W 91 22.0	N 78 58.0	15XWT534887667	N	N	1530	732	732	991	13 8 59	1190 4	914 3	2.2	6.5	6.5	
46441E	34	W 91 31.5	N 79 00.2	15XWT531487705		N	808	701	701		28 7 59		762 3	1.2	1.2	1.2	
46441E	35	W 91 37.0	N 79 00.5	15XWT529487710		NE	975	762	762		28 7 59		945 3	1.9	1.9	1.9	
46441E	36	W 91 41.0	N 78 58.8	15XWT528187682	NW	N	1067	594	594	972	28 7 59	980 4	914 3	2.8	3.1	3.1	
46441E	37	W 91 48.0	N 78 57.5	15XWT525687654	NW	N	1485	533	533	869	28 7 59	1158 4	701 3	6.0	16.2	16.2	2.0
46441E	38	W 92 26.6	N 78 57.9	15XWT511987660		NE	823	472	472		28 7 59		648 3	1.0	1.0	1.0	
46441E	39	W 92 26.5	N 78 58.2	15XWT512087665		NE	732	547	547		28 7 59		640 3	.4	.4	.4	
46441E	40	W 92 28.0	N 78 58.5	15XWT511387671		NE	732	547	547		28 7 59		640 3	.4	.4	.4	
46441E	41	W 92 29.4	N 78 58.6	15XWT510987673		NE	785	488	488		28 7 59		637 3	1.2	1.2	1.2	
46441E	42	W 92 36.5	N 78 59.3	15XWT510287686		N	792	617	617		28 7 59		705 3	.7	.7	.7	

D. GOOD FRIDAY BAY AND SAND BAY

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46441D	1	.40	.40 3	.30 3	25	15	.01	3 700112	42000		
46441D	2	.10	.10 3	.05 3	50	15	.00	3 700112	42000	TOUCHES 46441D-1	
46441D	3	.20	.20 3	.10 3	50	15	.00	3 700112	42000		
46441D	4	.20	.20 3	.20 3	0	15	.00	3 700112	42000		
46441D	5	.21	.21 3	.21 3	0	15	.00	3 700112	42000		
46441D	6	1.31	1.31 3	.50 3	62	20	.03	3 650112	42000		
46441D	7	2.01	2.01 3	1.51 3	25	20	.04	3 200112	42000	POSSIBLY HAS TERMINAL MORAINE	
46441D	8	1.71	1.71 3	.00 3	100	20	.03	3 640112	42000		
46441D	9	9.97	10.07 3	2.72 3	73	30	.30	3 200112	42000	IRREGULAR SHAPED ICE MASS	
46441D	10	.41	.41 3	.41 3	0	15	.01	3 700112	42000		
46441D	11	.38	.38 3	.38 3	0	15	.01	3 700112	42000		
46441D	12	.13	.13 3	.13 3	0	15	.00	3 700112	42000		
46441D	13	25.60	25.60 3	7.26 3	72	200	5.12	3 504112	44001	2 LOBES, CALVES INTO LAKE	
46441D	14	8.87	8.87 3	2.52 3	72	125	1.11	3 403112	42000	2 MAIN STREAMS	
46441D	15	32.06	32.06 3	13.51 3	58	200	6.41	3 433113	44010	POOR DELINEATION	
46441D	16	32.76	32.76 3	9.27 3	72	200	6.55	3 525112	44010	SPLIT TONGUE	
46441D	17	18.85	18.85 3	6.96 3	63	125	2.36	3 535113	44010	BROAD ICE STREAM	
46441D	18	1.10	1.10 3	.70 3	36	20	.02	3 650112	44000		
46441D	19	.40	.40 3	.20 3	50	15	.01	3 650112	44000		
46441D	20	28.23	28.23 3	9.48 3	66	200	5.65	3 421113	44010	POOR DELINEATION	
46441D	21	8.46	8.56 3	2.92 3	66	125	1.07	3 535112	44001	JOINS 46441D-22	
46441D	22	10.99	10.99 3	3.23 3	71	125	1.37	3 405112	44011	JOINS 46441D-21,23	
46441D	23	23.88	23.88 3	5.74 3	76	200	4.78	3 402113	44010	JOINS 46441D-22 1 SMALL TRIBUTARY	
46441D	24	3.63	3.83 3	1.21 3	68	50	.19	3 530112	44010		
46441D	25	19.56	19.56 3	8.57 3	56	125	2.44	3 522112	44040	LOBES, CREVASSES	
46441D	26	4.63	4.63 3	1.51 3	67	50	.23	3 533112	42000		
46441D	27	1.41	1.41 3	.48 3	72	20	.03	3 700112	42000	2 DISTINCT STREAMS	
46441D	28	2.41	2.56 3	1.86 3	27	50	.13	3 530112	42010	FLOW PLANES	
46441D	29	1.01	1.01 3	.91 3	10	50	.05	3 530112	42110	COMPLEX MORAINES, MAYBE OGIVES	
46441D	30	2.12	2.12 3	2.02 3	5	50	.11	3 403112	42000		
46441D	31	2.27	2.27 3	2.12 3	7	50	.11	3 403112	42000		
46441D	32	.80	.80 3	.70 3	12	50	.04	3 400212	42000		
46441D	33	3.32	3.72 3	3.12 3	16	50	.19	3 400212	42010		
46441D	34	1.61	1.61 3	1.21 3	25	50	.08	3 520112	42010	JOINS 46441D-33 2 BASINS	
46441D	35	1.71	1.71 3	1.71 3	0	20	.03	3 650112	42000	TRIM LINES 2 BASINS	
46441D	36	1.41	1.41 3	1.11 3	21	50	.07	3 530112	42000	TRIM LINES	
46441D	37	2.32	2.32 3	1.51 3	35	50	.12	3 530113	44010		
46441D	38	3.73	3.73 3	1.51 3	60	50	.19	3 530112	44000	TRIM LINES	
46441D	39	.81	.81 3	.81 3	0	15	.01	3 390132	44000		
46441D	40	22.93	22.98 3	11.39 3	50	200	4.60	3 512112	44041	3 MAIN STREAMS	
46441D	41	4.13	4.13 3	3.02 3	27	50	.21	3 520112	44010	JOINS 46441D-40 3 BASINS	
46441D	42	9.07	9.07 3	4.84 3	47	125	1.13	3 533113	44000	MANY LOBES ALONG EDGE	
46441D	43	1.71	1.71 3	1.61 3	6	20	.03	3 650112	44000	BIFURCATING SNOUT	
46441D	44	18.35	18.35 3	8.57 3	53	125	2.29	3 532114	44012		
46441D	45	6.75	6.95 3	2.92 3	58	125	.87	3 530112	44010		
46441D	46	3.53	3.83 3	1.81 3	53	50	.19	3 532112	44010		
46441D	47	.30	.30 3	.20 3	33	15	.00	3 650112	42000		
46441D	48	7.45	7.45 3	3.12 3	58	125	.93	3 530114	44001		
46441D	49	3.83	3.83 3	2.12 3	45	50	.19	3 530110	42000	LOBE SHAPED TONGUE	
46441D	50	2.32	2.32 3	2.22 3	4	50	.12	3 535112	42002	JOINS 46441C-14	
46441D	51	.50	.50 3	.50 3	0	15	.01	3 650112	42000		
46441D	52	.60	.60 3	.60 3	0	15	.01	3 300112	42000	2 SMALL STREAMS	
46441D	53	.40	.40 3	.40 3	0	15	.01	3 730212	42010	4 OTHERS ON SLOPE NOT LISTED	
46441D	54	5.54	5.64 3	2.52 3	55	125	.71	3 405312	42011	SLIGHTLY EXPLANDED FOOT	
46441D	55	.40	.60 3	.55 3	8	15	.01	3 650112	42010		
46441D	56	.60	.60 3	.60 3	0	15	.01	3 650112	42000	REMNANT LOBE	
46441D	57	16.35	17.03 3	8.66 3	49	125	2.13	3 400112	42010		
46441D	58	3.02	3.02 3	1.31 3	57	50	.15	3 400112	42000	POOR DELINEATION	
46441D	59	53.22	53.22 3	31.55 3	41	200	10.64	3 403112	42000	INDEFINITE MASS 2 TONGUES	
46441D	60	39.61	39.61 3	29.33 3	26	200	7.92	3 403112	42001		
46441D	61	3.02	3.02 3	.20 3	93	50	.15	3 526112	42000	2 BASINS, FLOW PLANES	
46441D	62	2.16	2.16 3	.35 3	84	35	.08	3 650112	42010		
46441D	63	1.11	1.11 3	.00 3	100	20	.02	3 730112	42000		
46441D	64	1.36	1.36 3	.35 3	74	20	.03	3 650112	42010		
46441D	65	1.26	1.26 3	.15 3	88	20	.02	3 730112	42000		
46441D	66	2.82	2.82 3	.30 3	89	35	.10	3 650112	42000		

E. STRAND FIORD

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46441E	1	.40	.40 3	.40 3	0	15	.01	3 650102	42000		
46441E	2	1.91	1.91 3	.40 3	52	20	.04	3 203112	42000	1 DEFINITE STREAM	
46441E	3	.15	.15 3	.15 3	0	15	.00	3 650112	42000		
46441E	4	.90	.90 3	.70 3	22	15	.01	3 650112	42000		
46441E	5	1.00	1.00 3	.50 3	50	15	.02	3 650112	42000		
46441E	6	1.21	1.21 3	.81 3	33	20	.02	3 650112	42000		
46441E	7	1.91	1.91 3	1.81 3	5	20	.04	3 620112	42000	3 BASINS, SNOUT DIVIDED	
46441E	8	.81	.81 3	.81 3	0	15	.01	3 700112	42000	PROBABLY REMNANT OF SMALL ICE CAP	
46441E	9	.20	.20 3	.20 3	0	15	.00	3 650112	42000		
46441E	10	.20	.20 3	.20 3	0	15	.00	3 650112	42000		
46441E	11	.25	.25 3	.25 3	0	15	.00	3 650112	42000		
46441E	12	.30	.30 3	.30 3	0	15	.00	3 650112	42000		
46441E	13	13.91	13.91 3	7.16 3	48	75	1.04	3 300112	42001	2 MAIN STREAMS	
46441E	14	2.02	2.02 3	2.02 3	0	35	.07	3 650112	42000		
46441E	15	.15	.15 3	.15 3	0	15	.00	3 650112	42000		
46441E	16	.60	.60 3	.60 3	0	15	.01	3 650112	42000		
46441E	17	.70	.70 3	.70 3	0	15	.01	3 620112	42000	2 BASINS	
46441E	18	.30	.30 3	.30 3	0	15	.00	3 900100	42010	2 // RIDGES, CRESCENTIC BANDS	
46441E	19	7.86	8.06 3	4.84 3	39	125	1.01	3 532112	42010		
46441E	20	21.57	21.57 3	12.80 3	41	200	4.35	3 426112	42020	2 BASINS 2 TONGUES	
46441E	21	16.83	17.13 3	7.76 3	55	125	2.14	3 420113	44010	2 MAIN STREAMS	
46441E	22	13.21	13.21 3	3.43 3	74	125	1.64	3 430113	44000	PROMINENT DRAINAGE CHANNEL	
46441E	23	1.31	1.46 3	1.01 3	31	20	.03	3 650112	44010		
46441E	24	43.04	43.19 3	10.23 3	75	200	8.64	3 510113	44012	2 MAIN STREAMS	
46441E	25	.70	.70 3	.40 3	43	15	.01	3 625112	44000	JOINS 46441E-26 2 BASINS	
46441E	26	.30	.30 3	.20 3	33	15	.00	3 655112	44000	JOINS 46441E-25	
46441E	27	8.77	8.77 3	3.83 3	56	125	1.10	3 530113	44000	TRIM LINES	
46441E	28	53.93	53.93 3	17.04 3	68	200	10.79	3 432112	44004	DEEP DRAINAGE CHANNELS ON SNOUT	
46441E	29	21.88	21.88 3	7.36 3	66	200	4.38	3 525410	42002	6 BASINS, CALVES INTO LAKE	
46441E	30	149.28	149.28 3	44.55 3	71	250	37.32	3 423113	44009	5 LOBES, LARGE DRAINAGE CHANNEL	
46441E	31	.81	.81 3	.71 3	12	15	.01	3 652112	42000	TRIM LINES	
46441E	32	1.20	1.20 3	.60 3	50	20	.02	3 650112	42000	OVERFLOW FROM 46441E-33	
46441E	33	14.92	15.02 3	3.63 3	76	125	1.88	3 510113	42010	2 MAIN STREAMS	
46441E	34	.40	.40 3	.40 3	0	15	.01	3 650112	42000	REMNANT	
46441E	35	1.21	1.21 3	1.21 3	0	20	.02	3 650112	42000	REMNANT	
46441E	36	7.56	7.56 3	6.35 3	16	50	.38	3 620112	42000		
46441E	37	70.06	70.06 3	17.34 3	75	200	14.01	3 424113	44000	EXPANDED FOOT CALVES IN LAKE	
46441E	38	.20	.20 3	.20 3	0	15	.00	3 650112	42000		
46441E	39	.05	.05 3	.05 3	0	15	.00	3 700112	42000		
46441E	40	.04	.04 3	.04 3	0	15	.00	3 700112	42000		
46441E	41	.33	.33 3	.33 3	0	15	.01	3 700112	42000		
46441E	42	.14	.14 3	.14 3	0	15	.00	3 700112	42000		

Figure 16. Areas 46442A and 46444F and G (EMR T412 L-63).

Figure 17. Areas 46442A and B and 46444G (EMR T410 R-183).

Figure 18. Areas 46442C, D and E, and 46444H, J and K, in background (EMR T410 R-203).

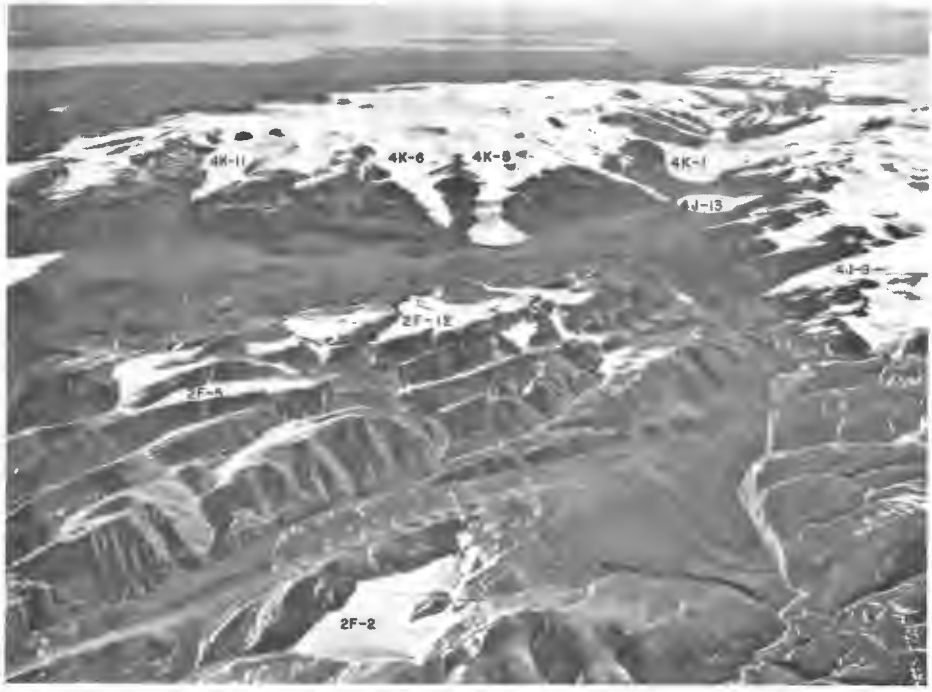

Figure 19. Areas 46442F and 46444J and K (EMR T412 L-32).

A. SOUTH AND MIDDLE FIORDS

"See List of Abbreviations on page 59"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46442A	1	W 93 34.0	N 79 24.3	15XVU488488150		E	610	442	442		22 7 58		518 3	.6	.6	.6	
46442A	2	W 93 40.0	N 79 23.6	15XVU486588137		W	640	488	488		22 7 58		594 3	.8	.8	.8	
46442A	3	W 93 38.0	N 79 24.5	15XVU486988152		W	668	244	244		22 7 58		533 3	3.5	3.5	3.5	
46442A	4	W 94 04.0	N 79 26.4	15XVU478088186		W	381	335	335		22 7 58		360 3	1.0	1.0	1.0	
46442A	5	W 94 04.0	N 79 27.7	15XVU478488207		SW	381	335	335		22 7 58		360 3	2.5	2.5	2.5	
46442A	6	W 94 48.0	N 79 22.8	15XVU462888130		NE	320	213	213		24 7 58		274 3	1.0	1.0	1.0	.5
46442A	7	W 94 52.0	N 79 25.8	15XVU461688186		W	450	335	335		24 7 58		396 3	1.8	1.8	1.8	
46442A	8	W 94 54.0	N 79 26.4	15XVU460988192		SW	335	168	168		24 7 58		244 3	1.0	1.0	1.0	
46442A	9	W 94 53.0	N 79 27.1	15XVU461588209		N	472	274	274		24 7 58		381 3	2.4	2.4	2.4	
46442A	10	W 93 28.0	N 79 26.8	15XVU490488197		NW	655	610	610		28 7 59		630 3	.6	.6	.6	
46442A	11	W 93 34.0	N 79 27.5	15XVU488388211		E	914	747	747		28 7 59		838 3	.6	.6	.6	.2
46442A	12	W 93 36.0	N 79 27.5	15XVU487988210		W	914	640	640		28 7 59		792 3	.2	.2	.2	
46442A	13	W 93 34.0	N 79 27.8	15XVU488488217		E	914	610	610		28 7 59		762 3	.8	.8	.8	.3
46442A	14	W 93 38.0	N 79 28.5	15XVU486288230	SW	W	915	305	305	457	22 7 58	625 4	396 3	.9	4.2	4.2	1.1
46442A	15	W 93 43.0	N 79 30.0	15XVU484988238	SW	SW	975	274	274	457	22 7 58	655 4	396 3	1.2	5.6	5.6	.9
46442A	16	W 93 50.0	N 79 29.8	15XVU483288250	SW		747	549	549		22 7 58	640 4		.0	.4	.4	
46442A	17	W 93 52.0	N 79 29.8	15XVU482488254	N		610	457	457		22 7 58	533 4		.0	.6	.6	
46442A	18	W 93 51.0	N 79 29.9	15XVU482688257	W		670	549	549		22 7 58	610 4		.0	.6	.6	.1
46442A	19	W 94 00.0	N 79 30.0	15XVU481788271	W	SW	792	107	107	427	22 7 58	640 4	366 3	4.1	10.9	10.9	2.2
46442A	20	W 94 15.0	N 79 30.0	15XVU476488296	W	W	975	122	122	549	22 7 58	777 4	457 3	7.6	16.4	16.4	5.0
46442A	21	W 94 25.0	N 79 32.8	15XVU471288312		NW	335	274	274		22 7 58		305 3	.6	.6	.6	
46442A	22	W 94 18.0	N 79 34.7	15XVU473088343	W	W	686	274	274	564	22 7 58	655 4	503 3	2.0	4.6	4.6	1.0
46442A	23	W 94 18.0	N 79 34.7	15XVU473188376	N	N	701	213	213	579	22 7 58	655 4	472 3	1.9	3.5	3.5	.4
46442A	24	W 94 31.0	N 79 36.5	15XVU470588385		NE	520	183	183		22 7 58		470 3	3.8	3.8	3.8	
46442A	25	W 94 27.0	N 79 36.4	15XVU470788380		N	610	457	457		22 7 58		533 3	.9	.9	.9	.1
46442A	26	W 94 25.5	N 79 36.7	15XVU471388382		NE	602	503	503		22 7 58		549 3	.2	.2	.2	
46442A	27	W 94 23.0	N 79 37.0	15XVU472188389		NE	457	305	305		22 7 58		381 3	.4	.4	.4	.1
46442A	28	W 94 10.0	N 79 36.0	15XVU474888396	W	N	1219	137	122	610	22 7 58	716 4	442 3	5.0	14.6	14.8	1.0
46442A	29	W 94 08.0	N 79 37.4	15XVU476888399	NW	NW	1219	457	457	610	22 7 58	889 4	533 3	1.0	2.9	2.9	.4
46442A	30	W 94 06.0	N 79 38.2	15XVU477888410	NW	NW	1219	488	488	610	22 7 58	914 4	533 3	.3	2.8	2.8	.8
46442A	31	W 94 04.0	N 79 39.0	15XVU477688432	NW	NW	1219	122	122	670	22 7 58	853 4	472 3	4.1	9.5	9.5	1.5
46442A	32	W 94 03.0	N 79 40.0	15XVU478388449	NW	N	1036	305	305	701	22 7 58	853 4	549 3	1.8	3.9	3.9	.6
46442A	33	W 96 02.0	N 79 40.8	15XVU479188458	NW	NW	975	396	396	716	22 7 58	838 4	594 3	1.0	12.0	12.0	.5
46442A	34	W 94 00.5	N 79 41.8	15XVU479888465	NW	N	945	518	518	762	22 7 58	823 4	610 3	.5	1.0	1.0	.2
46442A	35	W 93 58.5	N 79 41.2	15XVU480388467	NW	N	914	457	457	762	22 7 58	823 4	610 3	1.8	1.1	1.1	.2
46442A	36	W 93 50.0	N 79 40.0	15XVU482688463	N	N	1219	122	107	655	22 7 58	838 4	457 3	5.0	8.3	8.4	.9
46442A	37	W 93 44.0	N 79 40.0	15XVU485288444		N	914	442	442		28 7 59		640 3	2.0	2.0	2.0	.4
46442A	38	W 93 37.0	N 79 39.5	15XVU486588427	E	NE	838	152	145	747	28 7 59	792 4	503 3	4.4	5.3	5.5	.8
46442A	39	W 93 30.0	N 79 38.0	15XVU488888391	E	E	1219	152	152	823	28 7 59	960 4	549 3	6.4	9.6	9.6	2.0
46442A	40	W 93 28.0	N 79 34.8	15XVU491888342	E	E	1202	229	229	670	28 7 59	930 4	625 3	4.2	6.6	6.6	.6
46442A	41	W 93 26.0	N 79 33.8	15XVU491788325	S	SE	975	152	152	670	28 7 59	732 4	610 3	2.8	3.6	3.6	.6
46442A	42	W 93 18.0	N 79 32.0	15XVU492688298	SE	E	1128	122	122	792	28 7 59	884 4	472 3	7.0	8.8	8.8	.9
46442A	43	W 93 27.0	N 79 31.0	15XVU490488278		SE	823	274	274		28 7 59		503 3	2.8	2.8	2.8	.5
46442A	44	W 93 35.0	N 79 30.2	15XVU489488245	S	E	1158	122	122	732	28 7 59	945 4	488 3	6.2	8.1	8.1	.9
46442A	45	W 93 28.0	N 79 28.3	15XVU490688226		N	701	610	610		28 7 59		655 3	.2	.2	.2	
46442A	46	W 93 27.0	N 79 28.2	15XVU490688223		E	914	427	427		28 7 59		670 3	1.1	1.1	1.1	.2
46442A	47	W 93 30.0	N 79 28.0	15XVU489688220		W	914	457	457		28 7 59		686 3	1.0	1.0	1.0	.4

B. MIDDLE AND LI FIORDS

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46442B	1	W 94 53.5	N 79 42.2	15XVU462388489		NW	518	442	442		24 7 58		457 3	.5	.5	.5	
46442B	2	W 94 57.0	N 79 42.0	15XVU461088489	N	N	594	366	366	488	24 7 58	518 4	457 3	.8	2.0	2.0	
46442B	3	W 95 29.0	N 79 39.4	15XVU450288440		S	427	381	381		24 7 58		408 3	.5	.5	.5	
46442B	4	W 95 11.0	N 79 46.5	15XVU456888570	W	W	823	152	152	610	24 7 58	762 4	518 3	.0	22.5	22.5	11.2
46442B	5	W 95 26.0	N 79 48.5	15XVU452088610		W	457	305	305		24 7 58		381 3	.9	.9	.9	
46442B	6	W 95 28.0	N 79 49.7	15XVU451488631		NW	503	298	298		24 7 58		427 3	1.5	1.5	1.5	
46442B	7	W 95 39.0	N 79 50.3	15XVU447988645		W	503	411	411		24 7 58		472 3	1.1	1.1	1.1	
46442B	8	W 95 43.0	N 79 50.2	15XVU446588643		SW	396	305	305		24 7 58		350 3	.8	.8	.8	
46442B	9	W 95 49.0	N 79 50.5	15XVU444588649		W	335	290	290		24 7 58		305 3	.5	.5	.5	
46442B	10	W 95 41.0	N 79 51.8	15XVU447488672		N	564	305	305		24 7 58		500 3	4.5	4.5	4.5	1.9
46442B	11	W 95 46.5	N 79 52.8	15XVU445688690		N	457	366	366		24 7 58		411 3	.8	.8	.8	
46442B	12	W 95 28.0	N 79 50.3	15XVU451388643		W	518	335	335		24 7 58		457 3	1.2	1.2	1.2	
46442B	13	W 95 24.5	N 79 71.3	15XVU452588661		N	594	427	427		24 7 58		503 3	1.9	1.9	1.9	
46442B	14	W 95 15.0	N 79 51.1	15XVU455688656		N	850	259	259		24 7 58		298 3	1.1	1.1	1.1	
46442B	15	W 96 35.0	N 79 53.3	14XND546988699		N	457	15	15		29 7 59		274 3	.2	.2	.2	
46442B	16	W 96 27.5	N 80 06.0	14XND548788937		N	583	442	442		29 7 59		549 3	.8	.8	.8	
46442B	17	W 96 23.0	N 80 06.8	14XND550288944		N	427	229	229		29 7 59		328 3	.6	.6	.6	
46442B	18	W 94 37.0	N 79 57.7	15XVU468788777		SW	701	549	549		22 7 58		640 3	1.5	1.5	1.5	
46442B	19	W 94 37.5	N 79 54.4	15XVU468188714		N	640	472	472		22 7 58		549 3	1.4	1.4	1.4	
46442B	20	W 94 37.0	N 79 53.7	15XVU468588700	W	W	762	450	450	686	22 7 58	716 3	579 4	1.0	1.4	1.4	
46442B	21	W 94 34.0	N 79 54.0	15XVU469488705	NE	NE	716	503	503	686	22 7 58	701 4	610 3	.5	.7	.7	
46442B	22	W 94 54.0	N 79 50.5	15XVU462588643		NW	724	503	503		24 7 58		610 3	1.4	1.4	1.4	
46442B	23	W 94 49.5	N 79 50.8	15XVU464088649		N	724	305	305		24 7 58		610 3	2.7	2.7	2.7	.4
46442B	24	W 94 47.0	N 79 50.3	15XVU464988640		NE	724	518	518		24 7 58		610 3	2.4	2.4	2.4	.3
46442B	25	W 94 43.5	N 79 50.5	15XVU466088643		NW	762	350	350		22 7 58		472 3	1.6	1.6	1.6	
46442B	26	W 94 40.5	N 79 50.4	15XVU467088640		NW	800	366	366		22 7 58		518 3	2.4	2.4	2.4	

AREA *46442 WESTERN AXEL HEIBERG ISLAND, N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1969

A. SOUTH AND MIDDLE FIORDS

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL		SURFACE AREA ABLATION		AAR	DEPTH	VOLUME		TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46442A	1	.50	.50	3	.50	3	0	15	.01	3	650112	42000	JUST SEPARATED FROM 46442A-3	
46442A	2	.40	.40	3	.40	3	0	15	.01	3	650112	42000	ATTACHED TO 46442A-3	
46442A	3	5.85	5.85	3	5.85	3	0	75	.44	3	300112	42000	3 MAIN OUTLET STREAMS	
46442A	4	.50	.50	3	.50	3	0	15	.01	3	300112	42000	2 SMALL DOMES	
46442A	5	1.21	1.21	3	1.21	3	0	25	.03	3	300112	42000	3 DOMES JOINED BY ICE RIDGE	
46442A	6	.70	.70	3	.70	3	0	15	.01	3	300112	42000	SMALL REMNANT	
46442A	7	1.61	1.61	3	1.61	3	0	25	.04	3	300112	42000	REMNANT JOINED TO 46442A-9	
46442A	8	.91	.91	3	.91	3	0	15	.01	3	770112	42000	REMNANT SHEET. JUST JOINS 46442A-7	
46442A	9	1.31	1.31	3	1.31	3	0	25	.03	3	300112	42000	THIN. LONG ICE CAP JOINS 46442A-7	
46442A	10	.25	.25	3	.25	3	0	15	.00	3	300112	42000		
46442A	11	.25	.25	3	.25	3	0	15	.00	3	650212	42000	SHARES DIVIDE WITH 46442A-12	
46442A	12	.15	.15	3	.15	3	0	15	.00	3	650112	42000	SHARES DIVIDE WITH 46442A-11	
46442A	13	.20	.20	3	.20	3	0	15	.00	3	650112	42010	REMNANT WITH ABLATION MORAINE	
46442A	14	8.07	8.07	3	.81	3	90	125	1.01	3	435114	42000	SNOUT JOINS 46442A-15	
46442A	15	7.76	7.76	3	1.21	3	84	125	.97	3	535114	42000	JOINS 46442A-14	
46442A	16	.40	.40	3	.00	3	100	50	.02	3	403212	42000	SMALL SPILL-OVER FROM ICE FIELD	
46442A	17	.30	.30	3	.00	3	100	15	.00	3	650112	42000		
46442A	18	.25	.25	3	.00	3	100	15	.00	3	770212	42000	PLASTERED AGAINST RIDGE	
46442A	19	31.75	31.75	3	13.61	3	57	200	6.35	3	522114	42003	LARGE DRAINAGE STREAM	
46442A	20	82.35	82.35	3	38.30	3	54	200	16.47	3	430114	42001	DRAINS WEST SIDE OF ICE FIELD	
46442A	21	.35	.35	3	.35	3	0	15	.00	3	300112	42000	SMALL REMNANT	
46442A	22	14.32	14.32	3	4.64	3	68	50	.72	3	403114	42000	PROBABLY RETREAT TO NORTH	
46442A	23	5.74	5.74	3	1.71	3	70	125	.72	3	430112	42000	STOPS SHORT OF DAMMED LAKE	
46442A	24	3.02	3.02	3	3.02	3	0	35	.10	3	700112	42000		
46442A	25	.40	.40	3	.40	3	0	15	.01	3	700112	42000		
46442A	26	.15	.15	3	.15	3	0	15	.00	3	700112	42000		
46442A	27	.15	.15	3	.15	3	0	15	.00	3	650112	42000		
46442A	28	38.21	38.71	3	8.87	3	77	200	7.74	3	420112	42013	DRAINS 3 BASINS. SEVERAL MORAINES	
46442A	29	2.21	2.21	3	.60	3	73	35	.08	3	650412	42001	SOME CALVING INTO DAMMED LAKE	
46442A	30	2.37	2.37	3	.25	3	89	35	.08	3	650212	42000	DOUBLE SNOUT STOPS SHORT OF LAKE	
46442A	31	14.51	14.71	3	5.84	3	60	125	1.84	3	430112	44040	MANY MORAINES VISIBLE	
46442A	32	3.33	3.33	3	.91	3	73	35	.12	3	640112	44000	SOME TRIM LINES ROUND ACCU. BASIN	
46442A	33	1.10	1.10	3	.45	3	59	20	.02	3	650112	42000		
46442A	34	.35	.35	3	.15	3	57	15	.00	3	650112	42000	JOINS 46442A-35	
46442A	35	.40	.40	3	.20	3	50	15	.01	3	650112	44000	JOINS 46442A-34	
46442A	36	20.57	20.77	3	9.68	3	53	200	4.10	3	422112	44040	2 MAIN ICE STREAMS	
46442A	37	1.11	1.11	3	1.11	3	0	20	.02	3	650112	42000	ALMOST ICE APRON	
46442A	38	5.24	5.39	3	4.38	3	19	125	.67	3	430312	42110	WELL DEVELOPED TERMINAL MORAINE	
46442A	39	68.55	68.80	3	32.71	3	52	200	13.76	3	421114	44050	DRAINS MOST OF EAST OF ICE FIELD	
46442A	40	9.27	9.27	3	6.65	3	28	125	1.16	3	422114	44031		
46442A	21	5.64	5.64	3	4.94	3	12	125	.70	3	530112	42000	MEANDERING SURFACE STREAM	
46442A	42	17.03	17.03	3	11.79	3	31	125	2.13	3	522114	44031	DOG-LEGGED GLACIER	
46442A	43	1.81	1.81	3	1.81	3	0	50	.09	3	530112	42000	MAYBE AVALANCHE FED	
46442A	44	15.62	15.62	3	9.37	3	40	125	1.95	3	420114	42020	2 MAIN STREAMS	
46442A	45	.15	.15	3	.15	3	0	15	.00	3	650112	42000	UPPER BASIN ALMOST THAT OF CIRQUE	
46442A	46	.40	.40	3	.40	3	0	15	.01	3	650012	42000		
46442A	47	.50	.50	3	.50	3	0	15	.01	3	650112	42000	SHARES DIVIDE WITH 46442A-46	

B. MIDDLE AND LI FIORDS

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL		SURFACE AREA ABLATION		AAR	DEPTH	VOLUME		TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46442B	1	.10	.10	3	.10	3	0	15	.00	3	650112	42000		
46442B	2	1.61	1.61	3	.40	3	75	20	.03	3	200112	42000	OUTLET GLACIER FLOWS TO NORTH	
46442B	3	.10	.10	3	.10	3	0	15	.00	3	700112	42000	REMNANT OF ICE FIELD NOT ATTACHED	
46442B	4	155.23	155.23	3	127.01	3	18	100	15.52	3	203112	44000	SEVERAL DOMES	
46442B	5	.75	.75	3	.75	3	0	15	.01	3	790102	42000	SEPARATED FROM ICE FIELD	
46442B	6	1.31	1.31	3	1.31	3	0	20	.03	3	650112	42000	REMNANT ICE FIELD OUTLET. SEPARATE	
46442B	7	1.61	1.61	3	1.61	3	0	20	.03	3	200112	42100	VERY CLEAR FIRN LINES	
46442B	8	.30	.30	3	.30	3	0	15	.00	3	770112	42000	MAY BE REMNANT OF 46442B-7	
46442B	9	.20	.20	3	.20	3	0	15	.00	3	790112	42000	INACTIVE ICE	
46442B	10	5.95	5.95	3	5.95	3	0	30	.18	3	200112	42000	DOME AT SOUTH END SEVERAL NUNATAK	
46442B	11	.30	.30	3	.30	3	0	15	.00	3	700112	42000	NOT PROPERLY CONFINED IN VALLEY	
46442B	12	.50	.50	3	.50	3	0	15	.01	3	700112	42000		
46442B	13	2.32	2.32	3	2.32	3	0	35	.08	3	700112	42000		
46442B	14	.50	.50	3	.50	3	0	15	.01	3	700112	44000	DRIFT FORMATION IN VALLEY	
46442B	15	.15	.15	3	.15	3	0	15	.00	3	770112	42000		
46442B	16	.20	.30	3	.30	3	0	15	.00	3	650112	42000	DEBRIS COVERED SNOUT	
46442B	17	.20	.30	3	.30	3	0	15	.00	3	650112	42010		
46442B	18	.81	.81	3	.81	3	0	15	.01	3	300112	42000		
46442B	19	.81	.81	3	.81	3	0	15	.01	3	650112	42000		
46442B	20	1.10	1.10	3	.70	3	36	20	.02	3	650112	42000	SHARES DIVIDE WITH 46442B-21	
46442B	21	.50	.50	3	.40	3	20	15	.01	3	650112	42010	SHARES DIVIDE WITH 46442B-20	
46442B	22	.91	.91	3	.91	3	0	15	.01	3	650112	42000	JOINS 46442B-23	
46442B	23	2.62	2.62	3	2.62	3	0	35	.09	3	650112	42000	JOINS 46442B-22 AND 24	
46442B	24	1.71	1.71	3	1.71	3	0	20	.03	3	650112	42000	SHARES DIVIDE WITH 46442B-23	
46442B	25	.65	.65	3	.65	3	0	15	.01	3	650112	42000	MAYBE REMNANT	
46442B	26	2.32	2.32	3	2.32	3	0	35	.08	3	700112	42000		

C. LI FIORD

"See List of Abbreviations on page 53"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46442C	1	W 94 53.0	N 80 11.0	15XVU464089023		NW	610	518	518		28 7 59		549 3	1.2	1.2	1.2	
46442C	2	W 94 53.5	N 80 12.2	15XVU464089047		N	518	396	396		28 7 59		427 3	1.4	1.4	1.4	
46442C	3	W 94 57.5	N 80 12.0	15XVU462789044		N	457	366	366		28 7 59		411 3	.8	.8	.8	
46442C	4	W 95 19.5	N 80 11.2	15XVV455789028		N	457	274	274		24 7 58		381 3	1.4	1.4	1.4	
46442C	5	W 95 26.0	N 80 11.3	15XVV453589031		N	457	107	107		24 7 58		320 3	1.6	1.6	1.6	
46442C	6	W 95 28.5	N 80 11.3	15XVV452889033		N	610	122	122		24 7 58		335 3	1.6	1.6	1.6	
46442C	7	W 95 29.5	N 80 11.2	15XVV452389031		N	488	152	152		24 7 58		335 3	1.1	1.1	1.1	
46442C	8	W 94 29.0	N 80 15.9	15XVV471989115		NW	762	579	579		28 7 59		640 3	.9	.9	.9	
46442C	9	W 94 34.0	N 80 16.3	15XVV470589119	S	S	899	335	335	777	28 7 59	823 4	625 3	3.7	5.9	5.9	1.6
46442C	10	W 94 39.0	N 80 17.6	15XVV468989146	SW	SW	884	549	549	792	28 7 59	838 4	747 3	1.9	4.0	4.0	
46442C	11	W 94 43.0	N 80 17.0	15XVV467689133		SW	754	457	457		28 7 59		640 3	1.5	1.5	1.5	
46442C	12	W 94 48.0	N 80 18.4	15XVV466289160		W	762	518	518		28 7 59		610 3	1.1	1.1	1.1	
46442C	13	W 94 47.5	N 80 19.5	15XVV466589182	NW	NW	884	305	305	693	28 7 59	808 4	594 3	3.4	6.9	6.9	
46442C	14	W 94 59.5	N 80 20.0	15XVV462689194	N	N	701	457	457	670	28 7 59	678 4	594 3	1.5	2.2	2.2	
46442C	15	W 95 03.0	N 80 19.5	15XVV461589185		N	686	442	442		28 7 59		549 3	1.3	1.3	1.3	
46442C	16	W 94 44.0	N 80 20.5	15XVV467689201	NW	W	853	442	442	716	28 7 59	792 4	610 3	1.9	5.6	5.6	
46442C	17	W 94 48.5	N 80 22.2	15XVV466289233		N	771	427	427		28 7 59		594 3	1.8	1.8	1.8	
46442C	18	W 94 51.5	N 80 22.5	15XVV465389237		N	773	411	411		28 7 59		640 3	2.8	2.8	2.8	
46442C	19	W 94 44.0	N 80 22.4	15XVV467789235	NW	NW	792	320	320	640	28 7 59	701 4	549 3	1.9	4.4	4.4	
46442C	20	W 94 40.0	N 80 22.8	15XVV468889243		NW	655	518	518		28 7 59		610 3	.5	.5	.5	
46442C	21	W 94 39.5	N 80 23.1	15XVV469089248		NW	625	457	457		28 7 59		564 3	.4	.4	.4	
46442C	22	W 94 35.0	N 80 23.0	15XVV470689247	N	N	1036	274	274	610	28 7 59	808 4	488 3	3.1	9.9	9.9	
46442C	23	W 94 24.0	N 80 21.5	15XVV473789216	N	N	823	457	457	670	28 7 59	732 4	640 3	1.5	2.5	2.5	
46442C	24	W 94 18.0	N 80 20.8	15XVV475689203	E	E	853	411	411	762	28 7 59	823 4	564 3	3.1	4.4	4.4	1.1
46442C	25	W 94 19.5	N 80 19.9	15XVV475289186		N	914	457	457		28 7 59		762 3	1.8	1.8	1.8	
46442C	26	W 94 18.5	N 80 18.0	15XVV475389149	SE	S	884	122	122	777	28 7 59	838 4	518 3	5.6	6.9	6.9	.6
46442C	27	W 94 24.0	N 80 17.0	15XVV473689134	SE	S	975	488	488	838	28 7 59	930 4	716 3	1.4	4.0	4.0	
46442C	28	W 94 26.5	N 80 16.7	15XVV472789128	S	S	914	457	457	853	28 7 59	884 4	732 3	1.2	1.4	1.4	

D. LI AND BALS FIORDS

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46442D	1	W 96 06.0	N 80 15.8	14XNE554889120		N	247	183	183		28 7 59		215 3	.4	.4	.4	
46442D	2	W 96 04.5	N 80 16.4	14XNE555289133		N	335	259	259		28 7 59		297 3	.4	.4	.4	
46442D	3	W 96 04.2	N 80 16.7	14XNE555389138		N	244	155	155		28 7 59		185 3	.6	.6	.6	
46442D	4	W 96 03.3	N 80 17.0	14XNE555589143		N	229	38	38		28 7 59		134 3	.6	.6	.6	
46442D	5	W 96 07.5	N 80 19.2	14XNE553889185		N	76	38	38		28 7 59		57 3	.2	.2	.2	
46442D	6	W 96 03.5	N 80 22.1	14XNE554989239		N	152	27	27		28 7 59		91 3	.9	.9	.9	
46442D	7	W 95 44.5	N 80 21.2	15XVV448789211		N	168	122	122		28 7 59		145 3	.5	.5	.5	
46442D	8	W 95 42.0	N 80 20.2	15XVV449389201		N	434	145	145		28 7 59		305 3	2.8	2.8	2.8	
46442D	9	W 95 50.0	N 80 18.4	15XVV446789168		R	427	229	229		28 7 59		305 3	3.2	3.2	3.2	
46442D	10	W 95 41.0	N 80 18.5	15XVV449489169		NE	427	297	297		28 7 59		366 3	1.2	1.2	1.2	
46442D	11	W 95 41.0	N 80 17.1	15XVV449489144		SW	533	297	297		28 7 59		442 3	2.6	2.6	2.6	

E. BALS AND BUNDE FIORDS

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46442E	1	W 94 44.5	N 80 25.9	15XVV467789302		SE	792	579	579		28 7 59		685 3	.7	.7	.7	
46442E	2	W 94 46.5	N 80 25.0	15XVV466989286		S	792	427	427		28 7 59		609 3	1.5	1.5	1.5	
46442E	3	W 94 50.5	N 80 24.9	15XVV465789283		S	457	396	396		28 7 59		426 3	.7	.7	.7	
46442E	4	W 94 55.5	N 80 24.8	15XVV464189283		S	457	366	366		28 7 59		411 3	.6	.6	.6	
46442E	5	W 94 53.0	N 80 26.3	15XVV465089309	NW	NW	925	335	335	701	28 7 59	813 4	518 3	2.0	2.6	2.6	
46442E	6	W 95 12.0	N 80 27.8	15XVV459289934	NW	NW	792	396	396	610	28 7 59	701 4	488 3	2.9	6.0	6.0	
46442E	7	W 95 16.0	N 80 29.3	15XVV458189369		NW	488	305	305		28 7 59		396 3	2.6	2.6	2.6	
46442E	8	W 95 13.0	N 80 29.8	15XVV459189379		SW	457	335	335		28 7 59		396 3	1.6	1.6	1.6	
46442E	9	W 95 31.0	N 80 32.9	15XVV453589436		N	366	305	305		28 7 59		330 3	.8	.8	.8	
46442E	10	W 95 28.0	N 80 32.5	15XVV454889428		N	366	305	305		28 7 59		330 3	2.4	2.4	2.4	
46442E	11	W 95 16.5	N 80 31.7	15XVV458289413		N	350	305	305		28 7 59		327 3	.5	.5	.5	
46442E	12	W 95 09.5	N 80 31.6	15XVV460389411		N	366	335	335		28 7 59		350 3	.8	.8	.8	
46442E	13	W 94 59.5	N 80 30.8	15XVV463389394		NE	640	335	335		28 7 59		487 3	2.0	2.0	2.0	
46442E	14	W 95 01.0	N 80 29.0	15XVV462689377		NW	777	549	549		28 7 59		663 3	.1	.1	.1	
46442E	15	W 94 59.0	N 80 30.0	15XVV463589380		NW	701	549	549		28 7 59		625 3	.3	.3	.3	
46442E	16	W 94 56.0	N 80 29.9	15XVV464689377		N	640	427	427		28 7 59		533 3	1.3	1.3	1.3	
46442E	17	W 95 04.0	N 80 29.0	15XVV461789363	NW	NW	792	518	518	686	28 7 59	739 4	602 3	1.3	2.3	2.3	
46442E	18	W 94 51.5	N 80 29.0	15XVV465589361	E	E	792	274	274	701	28 7 59	746 4	492 3	3.8	4.8	4.8	
46442E	19	W 94 44.0	N 80 28.3	15XVV468089341		NE	488	427	427		28 7 59		457 3	.5	.5	.5	
46442E	20	W 94 51.0	N 80 27.6	15XVV465789336		NE	762	396	396	488	28 7 59	625 4	442 3	.6	2.7	2.7	
46442E	21	W 94 48.5	N 80 27.5	15XVV466589333		N	610	503	503		28 7 59		556 3	1.6	1.6	1.6	
46442E	22	W 94 44.0	N 80 27.2	15XVV467989326	N	N	914	152	152	488	28 7 59	700 4	336 3	1.8	4.3	4.3	
46442E	23	W 95 40.0	N 80 41.6	15XVV451989601		N	305	0	0		28 7 59		150 3	.6	.6	.6	
46442E	24	W 95 18.5	N 80 38.7	15XVV458189544		SW	518	366	366		28 7 59		450 3	.8	.8	.8	

F. BUNDE FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46442F	1	W 94 11.0	N 80 24.1	15XVV478189265		NE	792	549	549		28 7 59		594 3	.8	.8	.8	
46442F	2	W 94 29.0	N 80 26.4	15XVV472589308		W	579	427	427		28 7 59		520 3	1.6	1.6	1.6	
46442F	3	W 94 19.5	N 80 27.4	15XVV475489327		N	610	305	305		28 7 59		457 3	1.9	1.9	1.9	
46442F	4	W 94 22.0	N 80 28.2	15XVV474789344		NW	518	457	457		28 7 59		457 3	.5	.5	.5	
46442F	5	W 94 15.0	N 80 27.8	15XVV476989335	SW	SW	701	579	579	670	28 7 59	685 4	500 3	1.6	2.6	2.6	
46442F	6	W 94 14.0	N 80 28.5	15XVV477189347	W	W	686	488	488	640	28 7 59	663 4	564 3	.3	.9	.9	
46442F	7	W 94 12.0	N 80 28.6	15XVV477989351		N	732	686	686		28 7 59		695 3	.5	.5	.5	
46442F	8	W 94 11.0	N 80 28.3	15XVV478289344		N	914	686	686		28 7 59		815 3	1.3	1.3	1.3	
46442F	9	W 94 10.0	N 80 27.4	15XVV478489328		NW	914	686	686		28 7 59		815 3	1.1	1.1	1.1	
46442F	10	W 94 08.0	N 80 27.1	15XVV479189322		NE	869	610	610		28 7 59		739 3	1.8	1.8	1.8	
46442F	11	W 94 06.5	N 80 26.8	15XVV479489316		NE	808	686	686		28 7 59		747 3	1.3	1.3	1.3	
46442F	12	W 94 04.5	N 80 25.8	15XVV480289295	E	E	914	457	457	792	28 7 59	853 4	624 3	1.9	2.9	2.9	.4
46442F	13	W 94 09.3	N 80 25.1	15XVV478689284		SW	792	610	610		28 7 59		701 3	.6	.6	.6	
46442F	14	W 94 08.0	N 80 24.6	15XVV479089275		W	762	579	579		28 7 59		670 3	1.0	1.0	1.0	
46442F	15	W 94 01.0	N 80 24.8	15XVV481089278	NE	NE	991	427	427	838	28 7 59	914 4	632 3	1.9	4.7	4.7	.6
46442F	16	W 93 53.0	N 80 29.5	15XVV483689366		SW	900	700	700		5 8 59		800 3	1.9	1.9	1.9	

C. LI FIORD

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46442C	1	.75	.75 3	.75 3	0	15	.01	3 300112	42000	VEG. FREE ZONE TO S.E., BANDING	
46442C	2	1.21	1.21 3	1.21 3	0	20	.02	3 200112	42000	BANDING IN ICE	
46442C	3	.40	.40 3	.40 3	0	15	.01	3 770112	42000		
46442C	4	.22	.22 3	.22 3	0	15	.00	3 700112	42000	DRIFT ICE MASS IN STREAM VALLEY	
46442C	5	.24	.24 3	.24 3	0	15	.00	3 700112	42000	DRIFT ICE MASS IN STREAM VALLEY	
46442C	6	.22	.22 3	.22 3	0	15	.00	3 700112	42000	DRIFT ICE MASS IN STREAM VALLEY	
46442C	7	.19	.19 3	.19 3	0	15	.00	3 700112	42000	DRIFT ICE MASS IN STREAM VALLEY	
46442C	8	1.11	1.11 3	1.11 3	0	20	.02	3 200112	42011	JOINS 46442C-9 AND DAMS LAKE	
46442C	9	10.49	10.49 3	7.16 3	32	125	1.31	3 430113	42001	DAMS LAKE WITH 46442C-8	
46442C	10	9.37	9.37 3	3.63 3	61	30	.28	3 200112	42000	NO CLEAR DRAINAGE STREAMS	
46442C	11	1.51	1.51 3	1.51 3	0	20	.03	3 650112	42000	SMALL OUTLET FROM ICE FIELD	
46442C	12	1.61	1.61 3	1.61 3	0	20	.03	3 775112	42000	JOINS MAIN ICE FIELD	
46442C	13	14.01	14.01 3	7.96 3	43	125	1.75	3 435112	42011	BIFURCATING SNOUT JOINS 46442C-16	
46442C	14	2.52	2.52 3	2.32 3	8	25	.06	3 300112	42000	THIN ICE LINK TO 46442C-15	
46442C	15	1.11	1.11 3	1.11 3	0	20	.02	3 200112	42000		
46442C	16	11.39	11.39 3	3.83 3	66	125	1.42	3 435112	42011	LAKE 46442C-13, JOINS 46442C-19	
46442C	17	1.71	1.71 3	1.71 3	0	20	.03	3 705112	42000	VEG. FREE ZONE, JOINS 46442C-19	
46442C	18	1.71	1.71 3	1.71 3	0	20	.03	3 655112	42000	VEG. FREE ZONE, JOINS 46442C-17	
46442C	19	7.26	7.26 3	3.53 3	51	125	.91	3 420112	42000	2 MAIN BASINS, TRIM LINES	
46442C	20	.14	.14 3	.14 3	0	15	.00	3 650112	42000	TRIM LINES VISIBLE	
46442C	21	.10	.10 3	.10 3	0	15	.00	3 650112	42000	TRIM LINES VISIBLE	
46442C	22	21.88	21.88 3	7.36 3	66	200	4.38	3 432112	42000	DRAINS NORTH OF ICE FIELD	
46442C	23	1.62	1.62 3	.81 3	50	20	.03	3 670112	42000		
46442C	24	6.25	6.35 3	4.13 3	35	125	.79	3 435112	42000	JOINS 46442C-25 STREAM SEPARATES	
46442C	25	1.71	1.71 3	1.71 3	0	20	.03	3 775112	42000	JOINS 46442C-24	
46442C	26	10.89	10.89 3	7.66 3	30	125	1.36	3 432414	42031	LAKE DAMMED BY EXPANDED FOOT	
46442C	27	4.53	4.53 3	1.51 3	67	50	.23	3 430112	42000		
46442C	28	.80	.80 3	.50 3	38	15	.01	3 650112	42000	TRIM LINES ON EAST SIDE	

D. LI AND BALS FIORDS

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46442D	1	.10	.10 3	.10 3	0	15	.00	3 700112	42000	DRIFT ICE IN VALLEY	
46442D	2	.08	.08 3	.08 3	0	15	.00	3 700112	42000	DRIFT ICE IN VALLEY	
46442D	3	.08	.08 3	.08 3	0	15	.00	3 700112	42000	DRIFT ICE IN VALLEY BOTTOM	
46442D	4	.21	.21 3	.21 3	0	15	.00	3 700112	42000	DRIFT ICE IN VALLEY BOTTOM	
46442D	5	.16	.16 3	.16 3	0	15	.00	3 770112	42000	LONG, THIN SLAB OF ICE	
46442D	6	.19	.19 3	.19 3	0	15	.00	3 700112	42000	DRIFT ICE IN VALLEY BOTTOM	
46442D	7	.11	.11 3	.11 3	0	15	.00	3 770112	42000	SMALL ICE MASS PLASTERED ON SLOPE	
46442D	8	1.71	1.71 3	1.71 3	0	20	.03	3 770112	42000	IRREGULAR ICE SHEET	
46442D	9	6.96	6.96 3	6.96 3	0	30	.21	3 200112	42000	JOINS 46442D-10, IRREGULAR FLOW	
46442D	10	2.42	2.42 3	2.42 3	0	20	.05	3 200112	42000	JOINS 46442D-9, VEG. FREE ZONE	
46442D	11	2.42	2.42 3	2.42 3	0	20	.05	3 200112	42000	POSSIBLY REMNANT	

E. BALS AND BUNDE FIORDS

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46442E	1	.50	.50 3	.50 3	0	15	.01	3 650112	42000	SHARES DIVIDE WITH 46442E-22	
46442E	2	1.01	1.01 3	1.01 3	0	20	.02	3 703112	42000		
46442E	3	.13	.13 3	.13 3	0	15	.00	3 700112	42000		
46442E	4	.13	.13 3	.13 3	0	15	.00	3 700112	42000		
46442E	5	4.14	4.14 3	3.03 3	27	35	.14	3 650112	42000	TRIM LINES ON NORTH SIDE	
46442E	6	19.75	19.75 3	12.86 3	35	75	1.48	3 303112	42000	SEVERAL LOBES, MAINLY WESTWARD	
46442E	7	2.52	2.52 3	2.52 3	0	35	.09	3 650112	42000	LOBE OF 46442E-6 BUT SEPARATE	
46442E	8	1.11	1.11 3	1.11 3	0	20	.02	3 650112	42000	EXTENSIVE TRIM LINES	
46442E	9	.36	.36 3	.36 3	0	15	.00	3 700112	42000	TRIM LINES TO N.E.	
46442E	10	.38	.38 3	.38 3	0	15	.00	3 700112	42000		
46442E	11	.16	.16 3	.16 3	0	15	.00	3 700112	42000		
46442E	12	.13	.13 3	.13 3	0	15	.00	3 700112	42000		
46442E	13	1.21	1.21 3	1.21 3	0	20	.02	3 700112	42000		
46442E	14	.61	.61 3	.61 3	0	15	.01	3 650112	42000	EXTENSIVE TRIM LINES	
46442E	15	.40	.40 3	.40 3	0	15	.01	3 650112	42000	EXTENSIVE TRIM LINES	
46442E	16	.61	.61 3	.61 3	0	20	.01	3 650112	42000	EXTENSIVE TRIM LINES	
46442E	17	2.52	2.52 3	1.31 3	48	35	.09	3 650112	42000	TRIM LINES	
46442E	18	8.66	8.66 3	7.55 3	13	50	.43	3 650112	42000	2 SMALL BASINS	
46442E	19	.14	.14 3	.14 3	0	15	.00	3 700112	42000		
46442E	20	1.51	1.51 3	.60 3	60	20	.03	3 650112	42000	TRIM LINES	
46442E	21	1.01	1.01 3	1.01 3	0	15	.00	3 650112	42000	TRIM LINES	
46442E	22	4.35	4.35 3	.83 3	58	35	.15	3 700112	42000		
46442E	23	.20	.20 3	.20 3	0	15	.00	3 770112	42000		
46442E	24	.28	.28 3	.28 3	0	15	.00	3 700112	42000		

F. BUNDE FIORD

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46442F	1	.33	.33 3	.33 3	0	15	.00	3 650112	42000	2 BASINS	
46442F	2	.87	.87 3	.87 3	0	15	.01	3 650112	42000		
46442F	3	.81	.81 3	.81 3	0	15	.01	3 700112	42000		
46442F	4	.09	.09 3	.09 3	0	15	.00	3 700112	42000		
46442F	5	1.11	1.11 3	.71 3	36	20	.02	3 700112	42000	TRIM LINES	
46442F	6	.25	.37 3	.12 3	68	15	.00	3 700112	42000	TRIM LINES	
46442F	7	.26	.26 3	.26 3	0	15	.00	3 700112	42000		
46442F	8	.40	.40 3	.40 3	0	15	.01	3 700112	42000	TRIM LINES	
46442F	9	.71	.71 3	.71 3	0	15	.01	3 700112	42000	FEEDS LAKE WITH 46442F-10	
46442F	10	1.31	1.31 3	1.31 3	0	20	.03	3 700112	42000	FEEDS LAKE WITH 46442F-9	
46442F	11	.09	.09 3	.09 3	0	15	.00	3 700112	42000		
46442F	12	4.65	4.65 3	2.82 3	39	35	.16	3 640112	42000	TWO TONGUES, TRIM LINES	
46442F	13	.22	.22 3	.22 3	0	15	.00	3 700112	42000		
46442F	14	.22	.22 3	.22 3	0	15	.00	3 700112	42000		
46442F	15	2.33	2.33 3	1.61 3	31	35	.08	3 640112	42000	2 BASINS	
46442F	16	.87	.87 3	.87 3	0	15	.01	3 901020	42000	LIES ALONG VALLEY WALL	

Figure 20. Area 46443A and D (EMR T412 L-19).

Figure 21. Area 46443A and D (EMR T412 L-156).

Figure 22. Area 46443B (EMR T412 L-13).

Figure 23. Area 46443C (EMR T412 L-5).

AREA #46443 NORTHERN AXEL HEIBERG ISLAND, N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1959

A. BUKKEN AND AURLAND FIORDS

"See List of Abbreviations on page 59"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46443A	1	W 93 51.0	N 80 47.2	15XVV484389692		N	503	396	396		28 7 59		442 3	.9	.9	.9	
46443A	2	W 93 59.0	N 80 46.1	15XVV482389673		N	472	381	381		28 7 59		411 3	.8	.8	.8	
46443A	3	W 93 58.0	N 80 47.5	15XVV482889698		NE	744	457	457		28 7 59		610 3	.7	.7	.7	
46443A	4	W 94 25.0	N 80 47.5	15XVV474789701		NE	488	427	427		28 7 59		457 3	.4	.4	.4	
46443A	5	W 94 31.0	N 80 46.8	15XVV472889689		N	259	229	229		28 7 59		244 3	.4	.4	.4	
46443A	6	W 94 34.5	N 80 47.9	15XVV471789708		E	335	259	259		28 7 59		305 3	.3	.3	.3	
46443A	7	W 94 29.0	N 80 48.0	15XVV473589711		NE	411	366	366		28 7 59		396 3	.2	.2	.2	
46443A	8	W 94 22.5	N 80 49.2	15XVV475589731		NE	610	244	244		28 7 59		518 3	3.0	3.0	3.0	
46443A	9	W 94 29.5	N 80 51.8	15XVV473589779		NE	594	152	152		28 7 59		244 3	4.0	4.0	4.0	
46443A	10	W 94 36.0	N 80 52.9	15XVV471689804		NE	480	152	152		28 7 59		229 3	9.6	9.6	9.6	
46443A	11	W 94 50.0	N 80 52.7	15XVV467589800		NE	274	213	213		28 7 59		244 3	1.1	1.1	1.1	
46443A	12	W 95 15.0	N 80 49.6	15XVV459989745		N	305	274	274		28 7 59		290 3	.5	.5	.5	
46443A	13	W 95 15.0	N 80 51.4	15XVV460089776		N	305	107	107		28 7 59		152 3	1.0	1.0	1.0	
46443A	14	W 95 08.5	N 80 57.1	15XVV462389887		N	183	137	137		28 7 59		152 3	.2	.2	.2	
46443A	15	W 94 54.0	N 80 55.5	15XVV466489853		N	564	259	244		28 7 59		335 3	1.0	1.0	1.0	
46443A	16	W 94 50.0	N 80 59.3	15XVV467989924		NE	305	91	91		28 7 59		137 3	.5	.5	.5	
46443A	17	W 94 46.0	N 80 58.6	15XVV469189911		NE	335	122	122		28 7 59		229 3	.6	.6	.6	
46443A	18	W 94 44.0	N 80 57.8	15XVV469489896		NE	320	259	259		28 7 59		290 3	.4	.4	.4	
46443A	19	W 94 41.5	N 80 57.6	15XVV470389894		NE	350	244	244		28 7 59		274 3	2.1	2.1	2.1	
46443A	20	W 94 31.0	N 81 00.0	15XVV473389936		N	183	122	122		28 7 59		152 3	.6	.6	.6	
46443A	21	W 94 22.0	N 80 54.5	15XVV476089831		N	229	152	152		28 7 59		183 3	.8	.8	.8	
46443A	22	W 94 16.0	N 80 54.9	15XVV477889838		NE	442	183	183		28 7 59		335 3	.8	.8	.8	
46443A	23	W 94 13.0	N 80 54.5	15XVV478689832		NE	488	198	198		28 7 59		381 3	.9	.9	.9	
46443A	24	W 94 13.0	N 80 53.7	15XVV478789815		NE	503	259	259		28 7 59		320 3	1.2	1.2	1.2	
46443A	25	W 94 14.0	N 80 52.5	15XVV478289792		N	305	274	274		28 7 59		290 3	.4	.4	.4	
46443A	26	W 94 20.5	N 80 52.7	15XVV476389797		N	305	198	198		28 7 59		259 3	1.9	1.9	1.9	
46443A	27	W 94 21.0	N 80 51.3	15XVV476189770		N	427	213	213		28 7 59		274 3	2.9	2.9	2.9	
46443A	28	W 93 51.0	N 80 49.8	15XVV485089740		N	518	381	381		28 7 59		442 3	1.8	1.8	1.8	
46443A	29	W 93 54.0	N 80 51.8	15XVV484389778		NW	645	396	396		28 7 59		564 3	3.8	3.8	3.8	
46443A	30	W 94 00.5	N 80 52.8	15XVV482289798		N	457	366	366		28 7 59		411 3	.4	.4	.4	
46443A	31	W 93 53.0	N 80 52.6	15XVV484589793		N	549	427	427		28 7 59		488 3	.5	.5	.5	
46443A	32	N 93 52.0	W 80 52.9	15XVV484889798		NW	625	411	411		28 7 59		549 3	1.2	1.2	1.2	
46443A	33	W 93 52.0	N 80 54.0	15XVV485089818		N	610	427	427		28 7 59		518 3	.5	.5	.5	
46443A	34	W 93 58.0	N 80 53.9	15XVV483189818		SW	549	274			28 7 59		411 3	3.0	3.0	3.0	
46443A	35	W 94 01.0	N 80 54.2	15XVV482289823		N	366	305	305		28 7 59		335 3	.2	.2	.2	
46443A	36	W 93 57.0	N 80 54.7	15XVV483489834		NW	457	396	396		28 7 59		427 3	.4	.4	.4	
46443A	37	W 94 03.0	N 80 56.0	15XVV481589858		S	305	244	244		28 7 59		274 3	.5	.5	.5	
46443A	38	W 93 54.0	N 80 55.7	15XVV484489851		N	625	290	290		28 7 59		503 3	2.4	2.4	2.4	
46443A	39	W 93 47.0	N 80 54.8	15XVV486289836		NE	640	290	290		28 7 59		457 3	2.5	2.5	2.5	
46443A	40	W 93 46.0	N 80 53.3	15XVV486789806		NE	640	290	290		28 7 59		488 3	2.6	2.6	2.6	
46443A	41	W 93 41.0	N 80 53.2	15XVV488289804		S	366	274	274		28 7 59		335 3	.6	.6	.6	
46443A	42	W 93 41.0	N 80 51.2	15XVV488089767		N	701	274	274		28 7 59		442 3	1.6	1.6	1.6	
46443A	43	W 93 46.0	N 80 51.3	15XVV486489767		N	457	305	305		28 7 59		411 3	.8	.8	.8	

H. HENS FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46443B	1	W 92 56.5	N 80 58.0	15XWV501289895		E	670	427	427		28 7 59		549 3	1.0	1.0	1.0	
46443B	2	W 92 59.5	N 80 58.7	15XWV500489906		NW	670	305	305		28 7 59		518 3	2.0	2.0	2.0	.2
46443B	3	W 93 05.0	N 80 48.9	15XWV498489911		E	610	305	305		28 7 59		457 3	.9	.9	.9	
46443B	4	W 93 08.5	N 80 59.3	15XWV497689920		NE	533	350	350		28 7 59		427 3	1.9	1.9	1.9	.2
46443B	5	W 93 13.0	N 81 00.1	15XWV496489935		NW	640	274	274		28 7 59		518 3	1.0	1.0	1.0	.2
46443B	6	W 93 10.5	N 81 00.1	15XWV497089935		SE	640	350	350		28 7 59		503 3	1.5	1.5	1.5	.2
46443B	7	W 93 04.5	N 80 49.9	15XWV498789929		N	488	350	350		28 7 59		427 3	1.1	1.1	1.1	
46443B	8	W 92 59.0	N 80 59.7	15XWV500589925		N	579	305	305		28 7 59		533 3	1.1	1.1	1.1	.2
46443B	9	W 92 55.5	N 80 59.8	15XWV501589927		N	670	259	259		28 7 59		549 3	2.9	2.9	2.9	.2
46443B	10	W 92 33.0	N 81 00.2	15XWV507889937		E	274	213	213		28 7 59		244 3	1.1	1.1	1.1	.1

AREA *46443 NORTHERN AXEL HEIBERG ISLAND, N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1969

A. BUKKEN AND AURLAND FIORDS

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46443A	1	.30	.30 3	.30 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	2	.30	.30 3	.30 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	3	.66	.66 3	.66 3	0	15	.01	3 770112	42000	SNOWDRIFT ICE	
46443A	4	.20	.20 3	.20 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	5	.20	.20 3	.20 3	0	15	.00	3 700112	42000	SNOWDRIFT ICE IN DEPRESSION	
46443A	6	.30	.30 3	.30 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	7	.10	.10 3	.10 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	8	2.72	2.72 3	2.72 3	0	35	.10	3 700112	42000		
46443A	9	9.27	9.27 3	9.27 3	0	30	.28	3 200132	42000	NUNATAK IN MIDDLE	
46443A	10	21.77	21.77 3	21.77 3	0	50	1.09	3 200132	42000	NO DEFINITE OUTLET STREAMS	
46443A	11	1.01	1.01 3	1.01 3	0	25	.03	3 300132	42000	APPARENTLY RADIAL FLOW	
46443A	12	.10	.10 3	.10 3	0	15	.00	3 700112	42000	SNOWDRIFT ICE	
46443A	13	.20	.20 3	.20 3	0	15	.00	3 700212	42000	PROBABLY DRIFT ORIGIN	
46443A	14	.30	.30 3	.30 3	0	15	.00	3 770112	42000	PROBABLY SNOWDRIFT ICE	
46443A	15	.76	.76 3	.76 3	0	15	.01	3 640112	42010	MORAINE AT FOOT OF SOUTHERN TIP	
46443A	16	.15	.15 3	.15 3	0	15	.00	3 770112	42000	PROBABLY SNOWDRIFT ICE	
46443A	17	.20	.20 3	.20 3	0	15	.00	3 700212	42000	PLASTERED ALONG CLIFF	
46443A	18	.25	.25 3	.25 3	0	15	.00	3 750112	42000	OCCUPIES HOLLOW ON STEEP SLOPE	
46443A	19	1.06	1.06 3	1.06 3	0	20	.02	3 770112	42000	SNOWDRIFT ICE	
46443A	20	.71	.71 3	.71 3	0	15	.01	3 770112	42000	SNOWDRIFT ICE	
46443A	21	.50	.50 3	.50 3	0	15	.01	3 770112	42000	PROBABLY SNOWDRIFT ICE	
46443A	22	.15	.15 3	.15 3	0	15	.00	3 770112	42000	PROBABLY SNOWDRIFT ICE	
46443A	23	.35	.35 3	.35 3	0	15	.00	3 770112	42000	HAS SHAPE LIKE GLACIER TONGUE	
46443A	24	.61	.61 3	.61 3	0	15	.01	3 770112	42000	SNOWDRIFT ICE	
46443A	25	.40	.40 3	.40 3	0	15	.01	3 770112	42000	QUITE LARGE SNOWDRIFT ICE MASS	
46443A	26	1.21	1.21 3	1.21 3	0	20	.02	3 700132	42000	NO REAL FLOW DIRECTION	
46443A	27	3.43	3.43 3	3.43 3	0	20	.07	3 200132	42000	2 NUNATAKS VISIBLE	
46443A	28	1.11	1.11 3	1.11 3	0	20	.02	3 770112	42000	PROBABLY SNOWDRIFT ICE	
46443A	29	8.87	8.87 3	8.87 3	0	30	.27	3 200132	42000	FLOW IN SEVERAL DIRECTIONS	
46443A	30	.20	.20 3	.20 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	31	.30	.30 3	.30 3	0	15	.00	3 700112	42000	SNOWDRIFT ICE IN RIVER VALLEY	
46443A	32	.61	.61 3	.61 3	0	15	.01	3 650112	42000	WELL DEVELOPED TONGUE	
46443A	33	.30	.30 3	.30 3	0	15	.00	3 770112	42000	SNOWDRIFT ICE	
46443A	34	1.51	1.51 3	1.51 3	0	20	.03	2 620112	42000	2 MAIN BASINS, MAYBE REMNANT	
46443A	35	.20	.20 3	.20 3	0	15	.00	3 700112	42000	SNOWDRIFT ICE IN DEPRESSION	
46443A	36	.20	.20 3	.20 3	0	15	.00	3 700112	42000	SNOWDRIFT ICE IN STREAM VALLEY	
46443A	37	.30	.30 3	.30 3	0	15	.00	3 770112	42000	ROUND SHAPED ICE MASS	
46443A	38	2.02	2.02 3	2.02 3	0	35	.07	3 650112	42000	SIMPLE BASIN	
46443A	39	1.71	1.71 3	1.71 3	0	20	.03	3 650112	42000	TRIANGULAR SECTION NEAR TONGUE	
46443A	40	5.14	5.14 3	5.14 3	0	50	.26	3 640112	42000		
46443A	41	.40	.40 3	.40 3	0	15	.01	3 700112	42000	PROBABLY SNOWDRIFT ICE	
46443A	42	1.41	1.41 3	1.41 3	0	20	.03	3 750112	42000	2 BASINS	
46443A	43	.61	.61 3	.61 3	0	15	.01	3 700112	42000	SNOWDRIFT ICE IN RIVER VALLEY	

B. HENS FIORD

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46443B	1	.30	.30 3	.30 3	0	15	.00	3 700112	42000	POSSIBLY REMNANT NICHE GLACIER	
46443B	2	1.46	1.46 3	1.46 3	0	20	.03	3 650112	42000	SMALL ICE MASS JOINS TERMINUS	
46443B	3	.30	.30 3	.30 3	0	15	.00	3 700112	42000		
46443B	4	1.31	1.31 3	1.31 3	0	20	.03	3 650112	42000	2 BASINS, TERMINATES IN LAKE	
46443B	5	.50	.50 3	.50 3	0	15	.01	3 650132	42000	SHARES DIVIDE WITH 46443B-6	
46443B	6	1.21	1.21 3	1.21 3	0	20	.02	3 650112	42000	2 BASINS, TERMINATES IN LAKE	
46443B	7	.81	.81 3	.81 3	0	15	.01	3 650112	42000	BROAD ICE MASS, DIVIDED STREAM	
46443B	8	.40	.40 3	.40 3	0	15	.01	3 650112	42000	VEG. FREE ZONE	
46443B	9	1.81	1.81 3	1.81 3	0	20	.04	3 650112	42000	2 BASINS, VEG. FREE ZONE	
46443B	10	.30	.30 3	.30 3	0	15	.00	3 650112	42000		

C. NORTHERN ICE CAPS

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IDENT	NO.		LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION AHLA	TOTAL LENGTH AHLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46443C	1	W	94 13.0	N 81 15.5	15XVA479290218		E	168	91	91		28 7 59		122 3	1.8	1.8	1.8	
46443C	2	W	94 12.0	N 81 17.0	15XVA479890252		N	183	122	122		28 7 59		152 3	.9	.9	.9	
46443C	3	W	94 10.0	N 81 17.5	15XVA480490255		N	183	122	122		28 7 59		152 3	.5	.5	.5	
46443C	4	W	94 04.0	N 81 18.5	15XVA482090239		N	244	122	122		28 7 59		152 3	2.1	2.1	2.1	
46443C	5	W	94 04.0	N 81 19.5	15XVA481990294		N	183	91	91		28 7 59		137 3	.5	.5	.5	
46443C	6	W	93 41.0	N 81 14.5	15XVA484890202		E	305	152	152		25 7 59		229 3	1.0	1.0	1.0	
46443C	7	W	93 52.0	N 81 17.5	15XVA485290255		SW	335	274	274		25 7 59		320 3	1.2	1.2	1.2	.4
46443C	8	W	93 55.0	N 81 19.0	15XVA484590282		W	335	183	183		25 7 59		274 3	.8	.8	.8	
46443C	9	W	93 47.0	N 81 17.0	15XVA487290251		NE	457	122	122		25 7 59		305 3	9.2	9.2	9.2	
46443C	10	W	93 41.5	N 81 18.5	15XVA487790275		NE	213	107	107		25 7 59		152 3	.9	.9	.9	
46443C	11	W	93 42.0	N 81 18.2	15XVA488290269		NE	213	122	122		25 7 59		168 3	.5	.5	.5	
46443C	12	W	93 37.0	N 81 18.0	15XVA489590263		N	152	91	91		25 7 59		122 3	4.0	4.0	4.0	.2
46443C	13	W	93 35.0	N 81 17.5	15XVA490690254		NE	122	91	91		25 7 59		107 3	.6	.6	.6	
46443C	14	W	93 32.0	N 81 17.5	15XVA491090252		N	152	91	91		25 7 59		122 3	.9	.9	.9	
46443C	15	W	93 36.0	N 81 16.5	15XVA489890240		NW	305	137	137		25 7 59		259 3	5.2	5.2	5.2	
46443C	16	W	93 50.0	N 81 21.0	15XVA485990319		NW	61	30	30		25 7 59		46 3	.1	.1	.1	
46443C	17	W	93 47.0	N 81 20.5	15XVA486690310		NW	61	30	30		25 7 59		46 3	.1	.1	.1	
46443C	18	W	93 46.0	N 81 19.8	15XVA487090299		NW	152	61	61		25 7 59		107 3	.8	.8	.8	
46443C	19	W	93 41.0	N 81 20.0	15XVA488690304		NW	61	30	30		25 7 59		46 3	.1	.1	.1	
46443C	20	W	93 12.0	N 81 15.5	15XVA496690221		W	215	122	122		28 7 59		168 3	1.2	1.2	1.2	.4
46443C	21	W	93 11.0	N 81 16.5	15XVA497490236		NW	244	91	91		28 7 59		152 3	2.4	2.4	2.4	.5
46443C	22	W	93 07.0	N 81 18.0	15XVA498390258		R	244	122	122		28 7 59		198 3	3.4	3.4	3.4	
46443C	23	W	93 05.0	N 81 16.0	15XVA498690223		SW	290	107	107		28 7 59		213 3	5.1	5.1	5.1	
46443C	24	W	93 03.0	N 81 20.2	15XVA499390306		NE	610	457	457		28 7 59		533 3	.5	.5	.5	.1
46443C	25	W	93 01.0	N 81 20.0	15XVA499790301		NE	640	305	305		28 7 59		549 3	1.0	1.0	1.0	.4
46443C	26	W	93 00.0	N 81 19.8	15XVA499990294		NE	640	457	457		28 7 59		579 3	1.0	1.0	1.0	.3
46443C	27	W	92 59.0	N 81 19.5	15XVA500390291		NE	640	457	457		28 7 59		610 3	.5	.5	.5	.1
46443C	28	W	92 59.0	N 81 19.2	15XWA500390287		NE	640	488	488		28 7 59		625 3	.5	.5	.5	.1
46443C	29	W	92 47.0	N 81 16.0	15XWA503590227		SE	670	305	305		28 7 59		518 3	2.0	2.0	2.0	.2
46443C	30	W	92 53.0	N 81 17.5	15XWA501690255		W	518	274	274		28 7 59		427 3	1.1	1.1	1.1	.5
46443C	31	W	92 53.5	N 81 18.5	15XWA502090276		NE	305	122	122		28 7 59		213 3	1.6	1.6	1.6	.4
46443C	32	W	92 52.0	N 81 18.0	15XWA502390269		NE	670	61	61		28 7 59		518 3	5.2	5.2	5.2	.3
46443C	33	W	92 48.0	N 81 18.2	15XWA503390269		N	396	305	305		28 7 59		350 3	.5	.5	.5	.1
46443C	34	W	92 47.0	N 81 18.0	15XWA503590263		N	610	457	457		28 7 59		518 3	.3	.3	.3	.1
46443C	35	W	92 46.0	N 81 17.0	15XWA504090257		N	701	610	610		28 7 59		655 3	.5	.5	.5	.1
46443C	36	W	92 45.5	N 81 17.4	15XWA504190253		NE	747	610	610		28 7 59		670 3	.5	.5	.5	.1
46443C	37	W	92 37.0	N 81 17.2	15XWA506290250		NE	305	15	15		28 7 59		168 3	.5	.5	.5	.2
46443C	38	W	92 41.0	N 81 16.5	15XWA505190231		R	701	244	244		28 7 59		518 3	6.9	6.9	6.9	
46443C	39	W	92 35.0	N 81 16.0	15XWA507290226		NE	670	0	0		28 7 59		503 3	3.9	3.9	3.9	.4
46443C	40	W	92 28.0	N 81 16.5	15XWA509090235		NE	305	61	61		28 7 59		213 3	.6	.6	.6	
46443C	41	W	92 25.5	N 81 15.5	15XWA509790218		N	488	366	366		28 7 59		335 3	1.1	1.1	1.1	.1
46443C	42	W	92 22.0	N 81 15.0	15XWA510490208		E	440	274	274		28 7 59		370 3	2.1	2.1	2.1	.7
46443C	43	W	92 20.0	N 81 11.8	15XWA511490152		SE	457	305	305		28 7 59		400 3	.9	.9	.9	.1
46443C	44	W	92 23.0	N 81 12.2	15XWA510790158		SW	625	549	549		28 7 59		579 3	.5	.5	.5	.2
46443C	45	W	92 21.0	N 81 12.5	15XWA511090170		N	625	305	305		28 7 59		457 3	1.8	1.8	1.8	.2
46443C	46	W	92 15.0	N 81 12.5	15XWA512690163		E	610	274	274		28 7 59		366 3	2.1	2.1	2.1	.2
46443C	47	W	92 10.0	N 81 11.4	15XWA514190143		N	457	366	366		28 7 59		411 3	.5	.5	.5	.2

D. SOUTH EAST

IDENT	NO.		LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION AHLA	TOTAL LENGTH AHLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46443D	1	W	92 41.5	N 80 46.8	15XWV505689592		NE	701	594	594		28 7 59		670 3	.7	.7	.7	
46443D	2	W	92 43.0	N 80 47.0	15XWV505089595		E	732	579	579		28 7 59		670 3	.9	.9	.9	
46443D	3	W	92 44.0	N 80 47.4	15XWV505089603		NE	732	259	259		28 7 59		594 3	.4	.4	.4	
46443D	4	W	92 51.0	N 80 47.6	15XWV502689608		N	945	533	533		28 7 59		655 3	1.6	1.6	1.6	
46443D	5	W	92 56.0	N 82 47.8	15XWV501289614		NE	762	457	457		28 7 59		518 3	1.0	1.0	1.0	
46443D	6	W	92 42.5	N 82 47.8	15XWV505689611		SE	838	579	579		28 7 59		747 3	1.1	1.1	1.1	
46443D	7	W	92 46.0	N 80 48.2	15XWV504389619		N	975	457	457		28 7 59		716 3	1.7	1.7	1.7	
46443D	8	W	92 43.5	N 80 48.8	15XWV505089630		W	823	457	457		28 7 59		625 3	1.8	1.8	1.8	.1
46443D	9	W	92 38.5	N 80 48.7	15XWV506589628		E	914	518	518		28 7 59		747 3	1.9	1.9	1.9	
46443D	10	W	92 39.0	N 80 49.8	15XWV506389647		E	777	442	442		28 7 59		625 3	2.0	2.0	2.0	
46443D	11	W	92 44.0	N 80 00.0	15XWV504789652		N	792	427	427		28 7 59		610 3	1.1	1.1	1.1	
46443D	12	W	92 40.5	N 80 45.2	15XWV506089656		E	792	472	472		28 7 59		625 3	.9	.9	.9	
46443D	13	W	92 57.0	N 80 45.8	15XWV501089666		E	777	564	564		17 8 59		701 3	1.2	1.2	1.2	
46443D	14	W	92 48.5	N 80 46.7	15XWV503489682		NE	732	396	396		17 8 59		640 3	1.1	1.1	1.1	
46443D	15	W	92 53.0	N 80 47.2	15XWV502289691		E	1067	472	472		17 8 59		640 3	2.6	2.6	2.6	
46443D	16	W	92 59.0	N 80 47.8	15XWV500489700		N	823	442	442		17 8 59		640 3	3.6	3.6	3.6	
46443D	17	W	92 53.0	N 80 47.9	15XWV502089704		SE	792	479	479		17 8 59		701 3	.9	.9	.9	
46443D	18	W	93 07.0	N 80 47.5	15XWV498089696		W	549	427	427		17 8 59		518 3	1.1	1.1	1.1	
46443D	19	W	93 12.0	N 80 48.2	15XWV496589711		W	625	396	396		17 8 59		533 3	.8	.8	.8	
46443D	20	W	93 13.0	N 80 48.8	15XWV496289720		W	732	427	427		17 8 59		549 3	1.5	1.5	1.5	
46443D	21	W	93 16.5	N 80 49.5	15XWV495189735		W	610	442	442		17 8 59		518 3	1.1	1.1	1.1	
46443D	22	W	93 12.5	N 80 50.0	15XWV506389744		NE	762	411	411		17 8 59		518 3	1.1	1.1	1.1	
46443D	23	W	93 08.5	N 80 49.0	15XWV497689725		NE	914	457	457		17 8 59		732 3	1.0	1.0	1.0	
46443D	24	W	93 07.0	N 80 48.5	15XWV498089714		E	914	518	518		17 8 59		716 3	1.4	1.4	1.4	
46443D	25	W	92 50.5	N 80 48.8	15XWV502889722		S	792	594	594		28 7 59		701 3	1.2	1.2	1.2	
46443D	26	W	92 53.5	N 80 49.4	15XWV502089732		W	625	579	579		28 7 59		610 3	1.0	1.0	1.0	
46443D	27	W	92 52.0	N 80 50.2	15XWV502489746		W	655	442	442		28 7 59		625 3	2.6	2.6	2.6	
46443D	28	W	92 50.0	N 80 50.3	15XWV503089748		NW	655	396	396		28 7 59		625 3	1.6	1.6	1.6	
46443D	29	W	92 44.0	N 80 50.5	15XWV504489752		NW	853	411	411		28 7 59		640 3	3.5	3.5	3.5	.2
46443D	30	W	92 37.0	N 80 51.0	15XWV506789762		NW	762	427	427		28 7 59		655 3	3.4	3.4	3.4	.2
46443D	31	W	92 39.0	N 80 49.8	15XWV506289740		SE	823	549	549		28 7 59		686 3	1.6	1.6	1.6	
46443D	32	W	92 40.0	N 80 49.1	15XWV505889726		SE	948	457	457		28 7 59		762 3	3.8	3.8	3.8	
46443D	33	W	92 40.0	N 80 52.2	15XWV505989783		NW	762	350	350		28 7 59		549 3	1.3	1.3	1.3	
46443D	34	W	92 37.5	N 80 52.4	15XWV506889788		NW	777	335	335		28 7 59		594 3	1.3	1.3	1.3	
46443D	35	W	92 41.0	N 80 53.4	15XWV505789806		E	884	457	457		28 7 59		701 3	2.9	2.9	2.9	.1
46443D	36	W	92 45.5	N 80 53.7	15XWV504489814		N	777	564	564		28 7 59		670 3	.5	.5	.5	
46443D	37	W	92 43.0	N 80 54.0	15XWV505189816		NE	777	427	427		28 7 59		640 3	1.2	1.2	1.2	.1
46443D	38	W	92 39.0	N 80 54.1	15XWV506389819		N	747	594	594		28 7 59		655 3	.5	.5	.5	
46443D	39	W	92 34.5	N 80 54.3	15XWV507689824		E	792	670	670		28 7 59		762 3	.4	.4	.4	
46443D	40	W	92 34.5	N 80 54.8	15XWV507789835		NE	747	610	610		28 7 59		686 3	.3	.3	.3	
46443D	41	W	92 31.5	N 80 55.5	15XWV508489846		N	670	610	610		28 7 59		625 3	.1	.1	.1	
46443D	42	W	92 29.5	N 80 55.4	15XWV509189844		NE	670	610	610		28 7 59		625 3	.1	.1	.1	
46443D	43	W	92 31.0	N 80 54.9	15XWV508789836		E	686	457	457		28 7 59		549 3	1.1	1.1	1.1	
46443D	44	W	92 25.0	N 80 53.8	15XWV510589812		NW	625	564	564		28 7 59		579 3	.4	.4	.4	
46443D	45	W	92 28.0	N 80 53.0	15XWV509689800		NW	625	564	564		28 7 59		594 3	.4	.4	.4	
46443D	46	W	92 24.5	N 80 52.8	15XWV510589796		NE	945	686	686		28 7 59		838 3	1.2	1.2	1.2	
46443D	47	W	92 30.0	N 80 52.9	15XWV508889796		NE	945	518	518		28 7 59		701 3	1.8	1.8	1.8	
46443D	48	W	92 27.0	N 80 52.2	15XWV509789786		SE	670	579	579		28 7 59		640 3	1.8	1.8	1.8	
46443D	49	W	92 31.0	N 80 51.4	15XWV508589769		SE	914	579	579		28 7 59		808 3	3.0	3.0	3.0	
46443D	50	W	92 30.5	N 80 50.5	15XWV508889754		E	701	579	579		28 7 59		640 3	1.1	1.1	1.1	
46443D	51	W	92 31.0	N 80 49.5	15XWV508689734		N	640	564	564		28 7 59		610 3	1.0	1.0	1.0	
46443D	52	W	92 29.0	N 80 49.6	15XWV509289736		W	792	701	701		28 7 59		762 3	.3	.3	.3	
46443D	53	W	92 27.0	N 80 50.2	15XWV509789747		NE	853	564	564		28 7 59		762 3	1.8	1.8	1.8	
46443D	54	W	92 25.0	N 80 50.5	15XWV510589752		N	838	594	594		28 7 59		762 3	.9	.9	.9	
46443D	55	W	92 22.0	N 80 50.7	15XWV511389756		NE	838	457	457		28 7 59		732 3	1.4	1.4	1.4	
46443D	56	W	92 20.5	N 80 50.2	15XWV511789748		SE	825	579	579		28 7 59		747 3	1.0	1.0	1.0	
46443D	57	W	92 23.0	N 80 49.5	15XWV511089736		E	853	457	457		28 7 59		732 3	2.0	2.0	2.0	
46443D	58	W	92 26.5	N 80 49.0	15XWV510089725		S	747	594	594		28 7 59		670 3	.8	.8	.8	

C. NORTHERN ICE CAPS

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46443C	1	1.21	1.21 3	1.21 3	0	25	.03 3	400102	42000	PROBABLY REMNANT	
46443C	2	.40	.40 3	.40 3	0	15	.01 3	770102	42000	SHELTERED AT BASE OF HILL	
46443C	3	.20	.20 3	.20 3	0	15	.00 3	770102	42000		
46443C	4	2.02	2.02 3	2.02 3	0	20	.04 3	200102	42000	PARTIAL DRAINAGE TO SW	
46443C	5	.20	.20 3	.20 3	0	15	.00 3	700112	42000	MAYBE REMNANT OF LOCAL ICE CAP	
46443C	6	.60	.60 3	.60 3	0	15	.01 3	700102	42000	PROBABLY REMNANT FROM MAIN ICE	
46443C	7	.70	.70 3	.70 3	0	50	.04 3	400112	42000	DRAINAGE FROM ICEFIELD	
46443C	8	.40	.40 3	.40 3	0	50	.02 3	400112	42000	DRAINAGE FROM ICEFIELD	
46443C	9	16.93	16.93 3	16.93 3	0	30	.51 3	200112	42000	ICE APPEARS TO SUBMERGE VALLEY	
46443C	10	.30	.30 3	.30 3	0	20	.01 3	200102	42000	REMNANT FROM LOCAL ICEFIELD	
46443C	11	.30	.30 3	.30 3	0	15	.00 3	700112	42000	REMNANT FROM LOCAL ICEFIELD	
46443C	12	1.92	1.92 3	1.92 3	0	50	.10 3	400112	42000	DRAINS PART OF ICEFIELD	
46443C	13	.50	.50 3	.50 3	0	15	.01 3	750102	42000	2 BASINS	
46443C	14	.30	.30 3	.30 3	0	15	.00 3	700102	42000	TONGUE EXTENDS FROM BASE OF RIDGE	
46443C	15	5.95	5.95 3	5.95 3	0	30	.18 3	200102	42000		
46443C	16	.20	.20 3	.20 3	0	15	.00 3	770113	42000	PROBABLY SNOWDRIFT ICE	
46443C	17	.20	.20 3	.20 3	0	15	.00 3	770113	42000	PROBABLY SNOWDRIFT ICE	
46443C	18	1.61	1.61 3	1.61 3	0	20	.03 3	730112	42000	OCCUPIES SMALL ROUNDED DEPRESSION	
46443C	19	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443C	20	.50	.50 3	.50 3	0	50	.02 3	400112	42000	VERY FLAT. MAYBE LOBE	
46443C	21	2.32	2.32 3	2.32 3	0	50	.12 3	400112	42000	SHALLOW FLAT TONGUE	
46443C	22	7.56	7.56 3	7.56 3	0	75	.57 3	300112	42000	JOINS REST OF ICEFIELD	
46443C	23	9.98	9.98 3	9.98 3	0	30	.30 3	200112	42000	ICE SHEET JOINING DOMES	
46443C	24	.10	.10 3	.10 3	0	15	.00 3	650112	42000	OVER-DEEPENED VALLEY	
46443C	25	.60	.60 3	.60 3	0	15	.01 3	650112	42000	TERMINATES SHORT OF STEEP CLIFF	
46443C	26	.30	.30 3	.30 3	0	15	.00 3	650112	42000	ADVANCE WOULD SPILL OVER CLIFF	
46443C	27	.15	.15 3	.15 3	0	15	.00 3	650112	42000	OVER-DEEPENED VALLEY	
46443C	28	.15	.15 3	.15 3	0	15	.00 3	650112	42000		
46443C	29	2.72	2.72 3	2.72 3	0	50	.14 3	400112	42000	TWO SMALL TONGUES	
46443C	30	.81	.81 3	.81 3	0	50	.04 3	400112	42000	FLOWS FROM ICE CAP INTO VALLEY	
46443C	31	1.01	1.01 3	1.01 3	0	20	.02 3	640112	42011	MORAINE MAYBE STRUCTURAL RIDGE	
46443C	32	6.35	6.35 3	6.35 3	0	125	.79 3	400112	42010	SNOUT AT SEA-LEVEL BUT NOT TIDAL	
46443C	33	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443C	34	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443C	35	.15	.15 3	.15 3	0	15	.00 3	650112	42000	SHELTERED IN OVER-DEEPENED VALLEY	
46443C	36	.15	.15 3	.15 3	0	15	.00 3	650112	42000	AT HEADWALL OF SMALL VALLEY	
46443C	37	.25	.25 3	.25 3	0	15	.00 3	700322	42000	SPILL OVER FROM ICE FIELD	
46443C	38	18.34	18.34 3	18.34 3	0	30	.55 3	204412	42000	LARGEST OF 3 NORTHERN ICE FIELDS	
46443C	39	8.26	8.26 3	8.26 3	0	125	.03 3	400312	42000	MAIN OUTLET FROM ICE FIELD	
46443C	40	.50	.50 3	.50 3	0	15	.01 3	650412	42000	PROBABLY ONCE LOBE OF ICE FIELD	
46443C	41	.35	.35 3	.35 3	0	15	.00 3	700112	42000	SNOWDRIFT ICE IN STREAM BEDS	
46443C	42	1.11	1.11 3	1.11 3	0	50	.06 3	400112	42000	INACTIVE OUTLET	
46443C	43	.25	.25 3	.25 3	0	15	.00 3	650112	42000		
46443C	44	.20	.20 3	.20 3	0	15	.00 3	650012	42000	JOINS 46443C-45 SPILLS OVER TO SW	
46443C	45	.91	.91 3	.91 3	0	15	.01 3	650112	42000	SMALL TRIB. FROM W SIDE	
46443C	46	1.21	1.21 3	1.21 3	0	20	.02 3	650112	42000	SEVERAL TRIB. BASINS	
46443C	47	.20	.20 3	.20 3	0	15	.00 3	650112	42000		

D. SOUTH EAST

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46443D	1	.20	.20 3	.20 3	0	15	.00 3	650112	42000	OCCUPIES DEPRESSION ON HILL SIDE	
46443D	2	.15	.15 3	.15 3	0	15	.00 3	700112	42000	SNOWDRIFT ICE IN STREAM BED	
46443D	3	.20	.20 3	.20 3	0	15	.00 3	700012	42000	UNION OF 2 SNOWDRIFT ICE MASSES	
46443D	4	1.31	1.31 3	1.31 3	0	20	.03 3	650112	42000	3 BASINS JOIN	
46443D	5	.30	.30 3	.30 3	0	15	.00 3	700112	42000	SNOWDRIFT ICE IN VALLEY BOTTOM	
46443D	6	.40	.40 3	.40 3	0	15	.01 3	700112	42000		
46443D	7	1.11	1.11 3	1.11 3	0	20	.02 3	650112	42000	2 BASINS	
46443D	8	.70	.70 3	.70 3	0	15	.01 3	650112	42000	1 SMALL GLACIERET JOINS GLACIER	
46443D	9	3.51	3.51 3	3.51 3	0	20	.07 3	200112	42000	2 STREAMS DIVIDED BY ROCK KNOB	
46443D	10	1.81	1.81 3	1.81 3	0	20	.04 3	650112	42000	3 MAIN BASINS	
46443D	11	.40	.40 3	.40 3	0	15	.01 3	650112	42000		
46443D	12	.30	.30 3	.30 3	0	15	.00 3	650112	42000		
46443D	13	.81	.81 3	.81 3	0	15	.01 3	650112	42000	2 BASINS, SMALL TRIB. JOINS SNOUT	
46443D	14	.35	.35 3	.35 3	0	15	.00 3	650112	42000	TRIM LINES VISIBLE	
46443D	15	2.02	2.02 3	2.02 3	0	20	.04 3	650132	42000	MAY BECOME INTERRUPTED	
46443D	16	4.33	4.33 3	4.33 3	0	35	.15 3	650132	42000	3 BASINS SOME ICE SPILLS AWAY	
46443D	17	.60	.60 3	.60 3	0	15	.01 3	650112	42000	SMALL ICE MASS IN LARGE BASIN	
46443D	18	.35	.35 3	.35 3	0	15	.00 3	700112	42000	AT JUNCTION OF TWO VALLEYS	
46443D	19	.20	.20 3	.20 3	0	15	.00 3	700112	42000		
46443D	20	.60	.60 3	.60 3	0	15	.01 3	650112	42000	DENDRITIC SHAPED ICE MASS	
46443D	21	.30	.30 3	.30 3	0	15	.00 3	650112	42000		
46443D	22	.40	.40 3	.40 3	0	15	.01 3	650112	42000		
46443D	23	.40	.40 3	.40 3	0	15	.01 3	650112	42000		
46443D	24	1.01	1.01 3	1.01 3	0	20	.02 3	650112	42000	2 SMALL BASINS	
46443D	25	.60	.60 3	.60 3	0	15	.01 3	700112	42000	ICE MASS IN 3 SMALL VALLEYS	
46443D	26	.60	.60 3	.60 3	0	15	.01 3	650112	42000		
46443D	27	2.32	2.32 3	2.32 3	0	35	.08 3	650112	42000		
46443D	28	.70	.70 3	.70 3	0	15	.01 3	650112	42000	TERMINUS JOINS 46443D-27	
46443D	29	4.54	4.54 3	4.54 3	0	35	.16 3	650112	42000	NARROWS TO LONG THIN TONGUE	
46443D	30	3.12	3.12 3	3.12 3	0	20	.06 3	200112	42000	OUTLET TO NW	
46443D	31	1.31	1.31 3	1.31 3	0	20	.03 3	650112	42000	SHARES DIVIDE WITH 46443D-29	
46443D	32	5.24	5.24 3	5.24 3	0	50	.26 3	650112	42000	3 MAIN BASINS	
46443D	33	.50	.50 3	.50 3	0	15	.01 3	650112	42001	TERMINUS DAMS LAKE	
46443D	34	.70	.70 3	.70 3	0	15	.01 3	650112	42000	BULBOUS SNOUT	
46443D	35	2.42	2.42 3	2.42 3	0	35	.09 3	650112	42001	DAMS ELONGATED LAKE	
46443D	36	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443D	37	.40	.40 3	.40 3	0	15	.01 3	650112	42000		
46443D	38	.10	.10 3	.10 3	0	15	.00 3	750112	42000		
46443D	39	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443D	40	.05	.05 3	.05 3	0	15	.00 3	700112	42000		
46443D	41	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443D	42	.05	.05 3	.05 3	0	15	.00 3	700112	42000		
46443D	43	.35	.35 3	.35 3	0	15	.00 3	700112	42000		
46443D	44	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443D	45	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443D	46	.40	.40 3	.40 3	0	15	.01 3	720112	42000	2 SMALL BASINS	
46443D	47	1.31	1.31 3	1.31 3	0	20	.03 3	650112	42000		
46443D	48	1.51	1.51 3	1.51 3	0	20	.03 3	650112	42000		
46443D	49	3.63	3.63 3	3.63 3	0	35	.13 3	650112	42000	TRIM LINE VISIBLE	
46443D	50	.40	.40 3	.40 3	0	15	.01 3	650112	42000	PART SHARES DIVIDE WITH 46443D-49	
46443D	51	.40	.40 3	.40 3	0	15	.01 3	650112	42000		
46443D	52	.10	.10 3	.10 3	0	15	.00 3	700112	42000		
46443D	53	1.01	1.01 3	1.01 3	0	20	.02 3	650112	42000	SHARP BEND IN GLACIER, NUNATAK	
46443D	54	.15	.15 3	.15 3	0	15	.00 3	650112	42000		
46443D	55	.60	.60 3	.60 3	0	15	.01 3	650112	42000		
46443D	56	.35	.35 3	.35 3	0	15	.00 3	650112	42000		
46443D	57	1.81	1.81 3	1.81 3	0	20	.04 3	650112	42000	2 MAIN BASINS. TRIM LINES	
46443D	58	.25	.25 3	.25 3	0	15	.00 3	650112	42000		

Figure 24. Area 46444A and B (EMR T477 R-170).

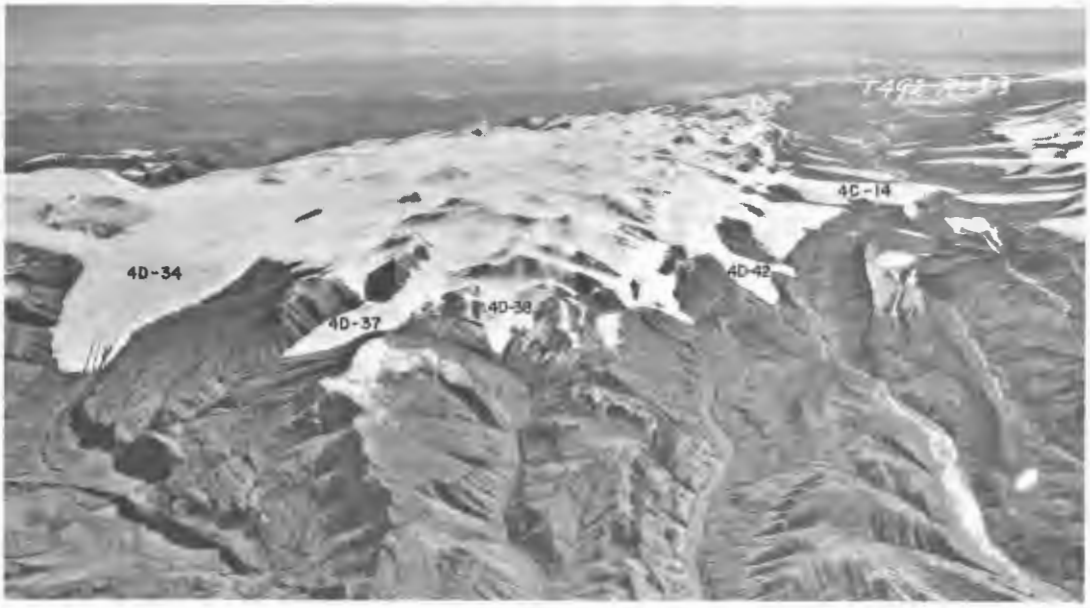

Figure 25. Area 46444C and D, part of Area 46441A on right (EMR T492 R-33).

Figure 26. Area 46444D and E, Expedition Area (EMR T487 L-33).

Figure 27. Area 46444F, G and L, part of Area 46442A in foreground (EMR T489 R-161).

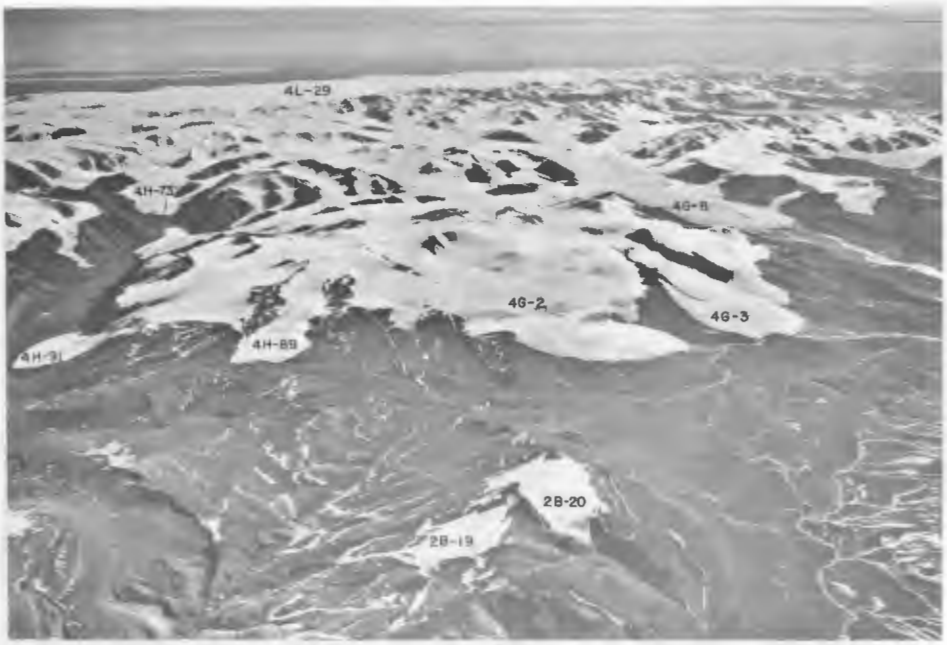

Figure 28. Areas 46444G, H and L, and 46442B (EMR T412 L-50).

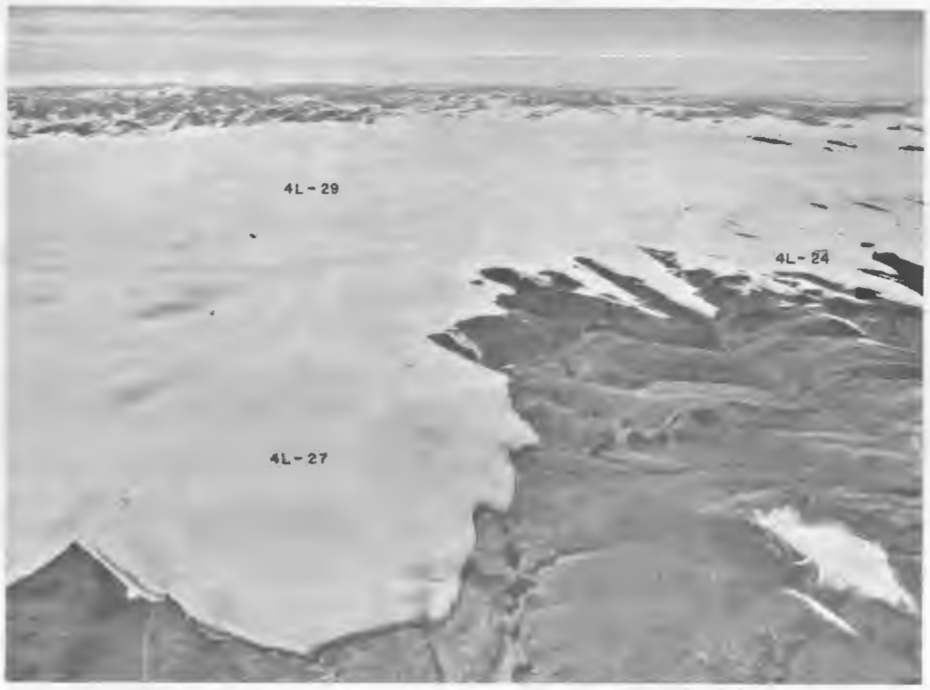

Figure 29. Area 46444L, McGill Ice Cap (EMR T498 R-20).

Figure 30. Area 46444L, McGill Ice Cap (A. Post, 1964, PSF 364-29, EMR).

Figure 31. Area 46444B and M, Steacie Ice Cap (46441) behind (EMR T477 R-128).

AREA *46444 CENTRAL AXEL HEIBERG ISLAND, N.W.T. S.DMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1969

A. BEAR STAIT ICE FIELD

"See List of Abbreviations on page 59"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444A	1	W 88 05.0	N 78 30.5	16XDC475687152		NE	792	457	457		29 7 59		670 3	1.5	1.5	1.5	
46444A	2	W 88 09.0	N 78 31.0	16XDC474487162		N	945	244	244		29 7 59		625 3	4.8	4.8	4.8	.4
46444A	3	W 88 12.0	N 78 30.5	16XDC473087152		NE	945	396	396		29 7 59		762 3	2.1	2.1	2.1	.2
46444A	4	W 88 11.0	N 78 32.5	16XDC473787184		S	1070	137	137		29 7 59		914 3	7.0	7.0	7.0	.4
46444A	5	W 88 16.0	N 78 32.5	16XDC471887190		S	914	305	305		29 7 59		747 3	2.5	2.5	2.5	.2
46444A	6	W 88 19.0	N 78 33.5	16XDC470687209		W	914	518	518		29 7 59		792 3	1.4	1.4	1.4	.2
46444A	7	W 88 19.0	N 78 34.3	16XDC470887221		W	914	366	366		29 7 59		716 3	1.9	1.9	1.9	.2
46444A	8	W 88 18.0	N 78 34.5	16XDC471287225		W	914	488	488		29 7 59		762 3	1.5	1.5	1.5	
46444A	9	W 88 15.0	N 78 35.5	16XDC472287244		N	838	457	457		29 7 59		640 3	1.0	1.0	1.0	
46444A	10	W 88 93.0	N 78 36.0	16XDC474287248		NE	975	472	472		29 7 59		686 3	3.6	3.6	3.6	
46444A	11	W 88 08.5	N 78 37.2	16XDC474887274		N	838	716	716		29 7 59		792 3	.6	.6	.6	
46444A	12	W 88 06.0	N 78 35.5	16XDC475487240		NE	975	290	290		29 7 59		670 3	3.6	3.6	3.6	.4
46444A	13	W 88 05.0	N 78 34.5	16XDC476087225		NE	914	610	610		29 7 59		823 3	.6	.6	.6	
46444A	14	W 88 03.0	N 78 34.0	16XDC476687216		NE	823	381	381		29 7 59		670 3	.2	.2	.2	
46444A	15	W 88 01.0	N 78 33.5	16XDC477487209		NE	914	305	305		29 7 59		655 3	2.2	2.2	2.2	.2
46444A	16	W 88 05.0	N 78 32.5	16XDC475687196		S	975	701	701		29 7 59		869 3	3.3	3.3	3.3	

B. SKAARE FIORD ICE FIELDS

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444B	1	W 88 24.0	N 78 41.0	16XDC469587350		NE	853	747	747		29 7 59		808 3	.5	.5	.5	
46444B	2	W 88 29.0	N 78 41.5	16XDC467487360	SW	SE	1155	442	442	1082	29 7 59	1128 4	808 3	3.6	3.9	3.9	.4
46444B	3	W 88 28.0	N 78 42.3	16XDC468087371	SE		960	830	830		29 7 59	914 4		.0	.4	.4	
46444B	4	W 88 33.0	N 78 42.8	16XDC466487381	SW	NW	1155	442	442	1082	29 7 59	1128 4	792 3	2.4	2.6	2.6	.2
46444B	5	W 88 29.0	N 78 43.0	16XDC467787388	N	N	1155	701	701	914	29 7 59	1052 4	808 3	.7	1.1	1.1	
46444B	6	W 88 27.0	N 78 42.6	16XDC468687380	E	E	1155	732	732	762	29 7 59	945 4	747 3	.1	1.1	1.1	.2
46444B	7	W 88 28.0	N 78 44.3	16XDC467887409	E	E	1097	457	457	945	29 7 59	1000 4	792 3	1.7	2.3	2.4	.2
46444B	8	W 88 30.5	N 78 44.5	16XDC467387414		SE	1006	762	762		29 7 59		899 3	.6	.6	.6	
46444B	9	W 88 38.0	N 78 43.9	16XDC464687409	E	W	1097	360	366	975	29 7 59	1036 4	762 3	2.1	2.2	2.2	.3
46444B	10	W 88 40.0	N 78 44.5	16XDC464687417	SW	SW	1295	152	152	1128	29 7 59	1173 4	923 3	3.4	3.6	3.6	.4
46444B	11	W 88 38.0	N 78 45.5	16XDC464587429	SW	SW	1158	762	762	1128	29 7 59	1173 4	975 3	1.1	1.3	1.3	
46444B	12	W 88 44.0	N 78 45.8	16XDC462487440	SW	SW	1250	259	259	1067	29 7 59	1097 4	1006 3	3.9	3.9	4.0	.5
46444B	13	W 88 44.0	N 78 46.8	16XDC462387454	S	S	1234	427	427	1112	29 7 59	1158 4	975 3	2.7	2.7	2.8	.2
46444B	14	W 88 47.0	N 78 47.8	16XDC461287478	NW	NW	1234	792	792	1006	29 7 59	1128 4	975 3	.8	1.4	1.4	
46444B	15	W 88 49.0	N 78 48.5	16XDC460787492	NW	NW	1234	442	442	991	29 7 59	1082 4	853 3	2.2	3.1	3.1	.4
46444B	16	W 88 47.0	N 78 48.5	16XDC461387493	NW	NW	1082	549	549	1052	29 7 59	1067 4	869 3	2.1	2.2	2.2	
46444B	17	W 88 40.0	N 78 48.5	16XDC463987491	NE	NE	975	686	686	950	29 7 59	1036 4	792 3	1.2	1.3	1.3	
46444B	18	W 88 35.0	N 78 48.3	16XDC465687486	NE	NE	1250	335	335	1021	29 7 59	1097 4	823 3	4.0	4.9	5.0	
46444B	19	W 88 32.5	N 78 47.6	16XDC465687471		NW	975	914	914		29 7 59		960 3	.4	.4	.4	
46444B	20	W 88 26.0	N 78 48.0	16XDC468487474	NE	NE	1250	213	213	1036	29 7 59	1067 4	853 3	6.2	6.8	6.9	.6
46444B	21	W 88 23.0	N 78 45.8	16XDC469287436	NE	NE	1036	716	716	853	29 7 59	945 4	792 3	1.0	2.1	2.1	
46444B	22	W 88 27.0	N 78 44.8	16XDC468587418	E	SE	1295	427	427	975	29 7 59	1173 4	838 3	3.7	3.8	3.9	.2
46444B	23	W 88 29.0	N 78 49.8	16XDC468087510		NW	930	899	899		29 7 59		914 3	.2	.2	.2	
46444B	24	W 88 31.0	N 78 49.8	16XDC467587511	SE		975	914	914		29 7 59	945 4		.0	.2	.2	
46444B	25	W 88 33.0	N 78 49.5	16XDC466587506		NW	975	899	899		29 7 59		945 3	.6	.6	.6	
46444B	26	W 88 34.0	N 78 49.8	16XDC466287513		SW	1067	914	914		29 7 59		991 3	.6	.6	.6	
46444B	27	W 88 29.0	N 78 50.5	16XDC467487524	NE	NE	1259	518	518	1021	29 7 59	1067 4	899 3	2.4	3.4	3.4	.2
46444B	28	W 88 33.0	N 78 51.0	15XDC466687532	NE	N	1259	747	747	1021	29 7 59	1067 4	960 3	1.1	1.9	1.9	
46444B	29	W 88 36.0	N 78 51.0	15XDC465687534	N	N	1259	594	594	975	29 7 59	1067 4	899 3	1.8	2.2	2.2	.2
46444B	30	W 88 40.0	N 78 50.5	16XDC463887528		NE	1030	869	869		29 7 59		960 3	1.2	1.2	1.2	
46444B	31	W 88 43.0	N 78 50.3	16XDC463087525		SE	1110	777	777		29 7 59		991 3	1.2	1.2	1.2	

C. WOLF FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444C	1	W 88 52.0	N 78 49.7	16XDC459287512	SE	SE	1234	564	564	1036	29 7 59	1052 4	777 3	2.4	3.6	3.6	.5
46444C	2	W 89 06.0	N 78 49.8	16XDC455687520	S	SW	1372	213	200	914	13 8 59	1158 4	670 3	7.5	11.8	11.9	1.3
46444C	3	W 89 01.0	N 79 51.5	16XDC456787548	S	SE	1158	884	884	1097	13 8 59	1173 4	1006 3	.6	.9	.9	
46444C	4	W 89 04.0	N 78 51.7	16XDC455287551	W	W	1219	732	732	1067	13 8 59	1128 4	869 3	1.2	1.8	1.8	
46444C	5	W 89 06.5	N 78 51.4	16XDC454787546		SE	762	716	716		13 8 59		747 3	.2	.2	.2	
46444C	6	W 89 08.0	N 78 51.5	16XDC454487560	SW	S	1554	290	290	1036	13 8 59	1189 4	747 3	4.5	6.7	6.8	.5
46444C	7	W 89 09.0	N 78 52.8	16XDC453787572	NW	NW	975	762	762	853	13 8 59	914 4	807 3	.4	.6	.6	
46444C	8	W 89 12.0	N 78 52.8	16XDC452687575	SW	SW	1554	411	400	1036	13 8 59	1402 4	762 3	3.6	7.6	7.8	.5
46444C	9	W 89 17.0	N 78 53.8	16XDC451087590	SW	SW	1646	305	295	1036	13 8 59	1372 4	747 3	5.2	9.8	10.0	.8
46444C	10	W 89 26.0	N 78 55.3	16XDC448287616	SW	SW	1707	274	263	1006	28 7 59	1372 4	732 3	6.6	12.8	12.9	1.1
46444C	11	W 89 17.0	N 78 57.2	16XDC451487655		SE	1219	1067	1067		28 7 59		1143 3	.6	.6	.6	
46444C	12	W 89 22.0	N 78 56.5	16XDC449487644	SW	SW	1494	670	670	1006	28 7 59	1173 4	853 3	1.5	2.9	2.9	.4
46444C	13	W 89 23.5	N 78 57.2	16XDC448887658	S	S	1097	975	975	1036	28 7 59	1067 4	1005 3	.6	.8	.8	
46444C	14	W 89 34.0	N 78 57.0	16XDC445087650	S	S	1646	305	295	1128	28 7 59	1463 4	792 3	10.1	17.2	17.3	1.8
46444C	15	W 89 36.5	N 78 59.6	16XDC444487704	SW	SW	1600	594	594	1052	28 7 59	1250 4	884 3	3.1	10.2	10.2	1.1

AREA #46444 CENTRAL AXEL HEIBERG ISLAND, N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1969

A. BEAR STAIT ICE FIELD

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444A	1	.91	.91 3	.91 3	0	15	.01	3 650132	42000	DRAINS SMALL PART OF ICE-FIELD	
46444A	2	5.95	5.95 3	5.95 3	0	125	.74	3 435132	42000	MAIN OUTLET OF ICE FIELD	
46444A	3	1.51	1.51 3	1.51 3	0	50	.08	3 530132	42100		
46444A	4	10.99	10.99 3	10.99 3	0	125	1.37	3 435132	42010	DOG-LEG, TOUCHES 46444A-2	
46444A	5	1.81	1.81 3	1.81 3	0	50	.09	3 430132	42010	MORAINE COVERED SNOUT	
46444A	6	1.11	1.11 3	1.11 3	0	50	.06	3 430132	42100		
46444A	7	1.01	1.01 3	1.01 3	0	50	.05	3 535132	42110	DEBRIS COVERED SNOUT, JOINS 4A-8	
46444A	8	.81	.81 3	.81 3	0	50	.04	3 435132	42010		
46444A	9	.45	.45 3	.45 3	0	15	.01	3 650132	42000		
46444A	10	5.34	5.34 3	5.34 3	0	125	.67	3 425132	42030	DRAINS 2 BASINS, ALMOST PIEDMONT	
46444A	11	.20	.20 3	.20 3	0	15	.00	3 650132	42000	2 SMALL BASINS	
46444A	12	3.63	3.63 3	3.63 3	0	35	.13	3 645132	42000	DOG-LEG, JOINS 46444A-10	
46444A	13	.20	.20 3	.20 3	0	50	.01	3 550132	42000	PROBABLY REMNANT	
46444A	14	2.12	2.12 3	2.12 3	0	35	.07	3 640132	42000	DRAINS ICE FIELD	
46444A	15	1.51	1.51 3	1.51 3	0	50	.08	3 430132	42100	TRIM LINES ALONG VALLEY SIDES	
46444A	16	4.94	4.94 3	4.94 3	0	25	.12	3 300132	42000	BANDING IN ICE	

B. SKAARE FIORD ICE FIELDS

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444B	1	.15	.15 3	.15 3	0	15	.00	3 300132	42000	SMALL REMNANT ICE BODY	
46444B	2	2.47	2.52 3	2.22 3	12	50	.13	3 535112	42000	DOG-LEG SHARES DIVIDE WITH 4B-4	
46444B	3	.20	.20 3	.00 3	100	15	.00	3 650112	42000		
46444B	4	1.41	1.41 3	1.26 3	11	50	.07	3 535112	42000	DOG-LEG SHARES DIVIDE WITH 4B-2	
46444B	5	1.00	1.00 3	.70 3	30	20	.02	3 670112	42000	DEBRIS COVERED MARGINS	
46444B	6	.60	.60 3	.10 3	83	15	.01	3 650112	42000	LONG THIN TONGUE	
46444B	7	2.22	2.27 3	1.31 3	42	50	.11	3 535112	42010	JOINS 4B-9, TRIM LINES	
46444B	8	.15	.15 3	.15 3	0	15	.00	3 650112	42000	JOINS 4B-9	
46444B	9	1.66	1.66 3	1.41 3	15	50	.08	3 530112	42010		
46444B	10	3.52	3.72 3	3.12 3	10	50	.19	3 510113	42110	3 MAJOR STREAMS, RADIAL CREVASSES	
46444B	11	.80	.80 3	.70 3	12	15	.01	3 650112	42000	LONG THIN SNOUT	
46444B	12	5.04	5.34 3	4.54 3	15	125	.67	3 520112	42010	2 STREAMS DIVIDE ROUND ROCK KNOB	
46444B	13	1.91	2.11 3	1.66 3	21	35	.07	3 650132	42000	DOG-LEG	
46444B	14	.95	.95 3	.60 3	37	50	.05	3 435112	42000	NICHE TYPE, DIVIDE JOINS 46444B-15	
46444B	15	2.37	2.37 3	1.46 3	38	50	.12	3 432113	42001	GLACIER FLOWS INTO ANOTHER VALLEY	
46444B	16	1.01	1.01 3	.91 3	10	50	.05	3 435112	42000	SHARES DIVIDE WITH 46444B-15	
46444B	17	1.31	1.31 3	1.11 3	16	50	.06	3 403112	42000	DRAINS SMALL PART OF ICE FIELD	
46444B	18	10.58	10.73 3	8.87 3	17	125	1.34	3 430112	44011	2 ICE STREAMS, DOG-LEG	
46444B	19	.20	.20 3	.20 3	0	15	.00	3 300132	42000	CARAPACE	
46444B	20	12.00	12.10 3	9.88 3	18	125	1.51	3 532112	44011	1 LARGE BASIN	
46444B	21	3.02	3.02 3	1.61 3	47	35	.10	3 650112	42000		
46444B	22	3.27	3.37 3	2.82 3	16	50	.17	3 535112	42110	TOUCHES 46444B-7 MARGINAL CHANNEL	
46444B	23	.10	.10 3	.10 3	0	15	.00	3 700112	42000		
46444B	24	.40	.40 3	.00 3	100	15	.01	3 773112	42000		
46444B	25	.35	.35 3	.35 3	0	15	.00	3 650112	42000	JOINS 46444B-27	
46444B	26	.20	.20 3	.20 3	0	15	.00	3 700112	42000	REMNANT AT HEAD OF 46444B-27	
46444B	27	2.82	2.82 3	1.81 3	36	50	.14	3 550112	44000	2 MAIN BASINS	
46444B	28	1.21	1.21 3	1.01 3	16	50	.06	3 530112	42000	WITH 4B-27 DRAINS ICE FIELD	
46444B	29	1.51	1.51 3	1.11 3	26	50	.08	3 550112	44010	2 BASINS	
46444B	30	1.11	1.11 3	1.11 3	0	50	.06	3 555112	44010	TOUCHES 46444B-1	
46444B	31	.50	.50 3	.50 3	0	15	.01	3 305132	42000	JOINS 46444B-30	

C. WOLF FIORD

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444C	1	3.33	3.33 3	1.81 3	46	50	.17	3 535113	42000	TOUCHES 46444B-1	
46444C	2	37.70	38.20 3	12.10 3	68	200	7.64	3 532112	44014	DRAINS ICE FIELD, TRIM LINES	
46444C	3	.60	.60 3	.30 3	50	50	.03	3 550112	42000		
46444C	4	1.16	1.16 3	.81 3	30	50	.06	3 550112	44000	2 NUNATAK RIDGES, TOUCHES 4C-6	
46444C	5	.10	.10 3	.10 3	0	15	.00	3 790112	42000	LITTLE LAKE AT SNOUT	
46444C	6	6.86	7.11 3	3.63 3	49	125	.89	3 530112	44000	DOG-LEG, CHANNEL ON SNOUT	
46444C	7	.35	.35 3	.20 3	43	15	.00	3 650112	42000	DIVIDE JOINS 46444C-8	
46444C	8	7.35	7.50 3	2.11 3	72	125	.94	3 530112	44111	RADIAL CREVASSES	
46444C	9	14.32	14.77 3	4.64 3	69	125	1.85	3 530112	44111	RADIAL CREVASSES ON SNOUT	
46444C	10	37.48	37.93 3	11.18 3	71	200	7.59	3 532112	42011	DRAINS ICE FIELD	
46444C	11	.20	.20 3	.20 3	0	15	.00	3 650112	42000	DOES NOT JOIN 46444C-10	
46444C	12	1.61	1.61 3	.70 3	59	50	.08	3 550112	44000	DISTRIBUTING TONGUE	
46444C	13	.25	.25 3	.20 3	20	15	.00	3 650112	42000	JOINS TRIBUTARY OF 46444C-14	
46444C	14	64.81	65.26 3	27.46 3	58	200	13.05	3 421112	44000	2 STREAMS DISTRIBUTING TONGUE	
46444C	15	16.94	16.94 3	7.26 3	57	125	2.12	3 422112	44011	JOINS 464440-43	

D. STRAND FIORD

"See List of Abbreviations on page 59"

IDENT	ND.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444D	1	W 90 15.0	N 79 23.4	15XWU556888146	SW	SW	1615	305	305	1128	28 7 59	1372 4	716 3	8.6	11.4	11.5	
46444D	2	W 90 14.5	N 79 20.5	15XWU557088092		N	1189	914	914		28 7 59		1052 3	2.0	2.0	2.0	
46444D	3	W 90 07.0	N 79 21.5	15XWU559488110		NE	914	823	823		28 7 59		868 3	.8	.8	.8	
46444D	4	W 90 03.0	N 79 07.0	15XWU560888128	S	S	1158	1077	1077	1143	28 7 59	1151 4	1120 3	.3	.3	.4	
46444D	5	W 90 01.0	N 79 07.0	15XWU561388126		S	1067	914	914		28 7 59		991 3	.7	.7	.7	
46444D	6	W 89 57.5	N 79 07.8	16XDB439288138		NW	1448	1067	1067		28 7 59		991 3	.4	.4	.4	
46444D	7	W 89 49.0	N 79 09.0	16XDB442088056	SE	SE	1372	678	686	1067	28 7 59	1219 4	875 3	1.1	2.8	2.9	
46444D	8	W 89 56.0	N 79 06.0	16XDB439688104	SW	SW	1524	229	183	884	28 7 59	1067 4	579 3	14.4	25.0	25.3	1.6
46444D	9	W 89 49.0	N 79 06.0	16XDB441888104	NW	NW	1372	1112	1082	991	28 7 59	1227 4	1180 3	6.5	8.0	8.0	.4
46444D	10	W 89 50.0	N 79 20.4	16XDB441588092	N	N	1280	1128	1128	1189	28 7 59	1234 4	1143 3	.2	.2	.2	
46444D	11	W 89 50.0	N 79 20.4	16XDB441388093	N	N	1280	1097	1097	1187	28 7 59	1234 4	1143 3	.2	.2	.4	
46444D	12	W 89 50.1	N 79 20.5	16XDB441088094	N	N	1280	1067	1067	1219	28 7 59	1250 4	1143 3	.5	.1	.1	
46444D	13	W 89 53.0	N 79 20.2	16XDB440288088		NW	1219	1052	1052		28 7 59		1135 3	.4	.4	.4	
46444D	14	W 89 59.0	N 79 20.1	16XDB440188086		NW	1219	1097	1097		28 7 59		1158 3	.2	.2	.2	
46444D	15	W 89 45.0	N 79 17.7	16XDB443088040	SE	SE	1036	975	975	1006	28 7 59	1021 4	991 3	.6	.9	.9	
46444D	16	W 89 35.0	N 79 18.6	16XDB446488054		N	1280	808	808		28 7 59		991 3	2.0	2.0	2.0	
46444D	17	W 89 35.5	N 79 16.9	16XDB446288024	SW	SW	1402	213	198	945	28 7 59	1173 4	571 3	9.3	20.0	20.0	2.1
46444D	18	W 89 25.5	N 79 18.3	16XDB449888048	NW	NW	1402	792	742	1067	28 7 59	1204 4	960 3	1.4	2.5	2.5	
46444D	19	W 89 23.0	N 79 17.2	16XDB450488030	SW	SW	1402	686	686	1097	28 7 59	1250 4	861 3	2.3	4.8	4.8	
46444D	20	W 89 19.0	N 79 16.6	16XDB452088014	SW	SW	1600	488	428	1143	28 7 59	1372 4	808 3	2.6	5.8	5.8	.8
46444D	21	W 89 19.0	N 79 17.4	16XDB453688028	S		1295	1250	1250		13 8 59	1272 4		.0	.8	.8	
46444D	22	W 89 09.0	N 79 17.3	16XDB455488028	SE	SE	1402	686	686	1067	13 8 59	1234 4	876 3	2.3	4.7	4.7	
46444D	23	W 89 09.0	N 79 16.0	16XDB455488004	W	W	1432	396	396	975	13 8 59	1204 4	686 3	9.1	12.5	12.5	
46444D	24	W 88 56.0	N 79 16.0	16XDB461688000	N	W	1463	747	716	1143	27 7 59	1303 4	930 3	3.1	10.4	10.4	
46444D	25	W 88 56.0	N 79 15.3	16XDC449887988	N	W	1402	762	732	1097	27 7 59	1250 4	914 3	1.9	4.6	4.6	
46444D	26	W 89 12.0	N 79 14.8	16XDC444887984	N	N	1341	457	451	1067	13 8 59	1204 4	762 3	2.1	3.9	3.9	
46444D	27	W 89 16.0	N 79 14.6	16XDC452687980	N	N	975	914	914	945	13 8 59	960 4	930 3	.4	.7	.7	
46444D	28	W 89 19.0	N 79 14.4	16XDC452687974	NW	NW	975	732	732	945	13 8 59	960 4	838 3	1.4	2.3	2.3	
46444D	29	W 89 23.0	N 79 14.3	16XDC450487974	NW	NW	1082	457	457	975	13 8 59	1028 4	716 3	2.6	3.8	3.8	
46444D	30	W 89 27.5	N 79 14.1	16XDC448887978	NW	NW	1372	335	305	930	13 8 59	1128 4	610 3	4.7	10.6	10.6	
46444D	31	W 89 21.0	N 79 11.5	16XDC450887922	SW	SW	1128	1067	1067	1097	27 8 59	1112 4	1082 3	.5	1.0	1.0	
46444D	32	W 89 13.5	N 79 11.0	16XDC453687912	SW	SW	1219	914	914	1143	27 8 59	1181 4	983 3	1.1	1.6	1.6	
46444D	33	W 89 03.5	N 79 11.5	16XDC456887920	SW	SW	1524	1036	1036	1219	13 8 59	1372 4	1125 3	.6	1.8	1.8	
46444D	34	W 89 17.0	N 79 08.4	16XDC452087862	NW	NW	1524	244	229	914	27 8 59	1219 4	571 3	11.4	19.9	20.0	3.2
46444D	35	W 89 28.0	N 79 07.2	16XDC448087840	NE	NE	1128	701	701	945	27 8 59	1036 4	823 3	1.3	2.5	2.5	
46444D	36	W 89 30.5	N 79 07.3	16XDC447287842	N	N	1372	792	792	991	27 8 59	1181 4	891 3	.6	2.3	2.3	
46444D	37	W 89 37.0	N 79 07.4	16XDC444687848	NW	NW	1737	457	457	914	27 8 59	1326 4	686 3	4.0	8.7	8.7	
46444D	38	W 89 43.0	N 79 06.4	16XDC442487828	NW	NW	1372	610	610	1036	27 8 59	1204 4	823 3	2.0	3.3	3.3	
46444D	39	W 89 44.0	N 79 05.6	16XDC442287814		W	1067	884	884		27 8 59		991 3	.7	.7	.7	
46444D	40	W 89 44.0	N 79 05.0	16XDC442087804	W	W	1554	732	732	991	27 8 59	1272 4	859 3	1.8	3.5	3.5	
46444D	41	W 89 43.5	N 79 04.5	16XDC442787792	W	W	1737	549	549	914	27 8 59	1326 4	732 3	2.1	5.2	5.2	
46444D	42	W 89 43.0	N 79 02.8	16XDC442487764	W	W	1158	457	427	1143	27 8 59	1150 4	785 3	5.2	9.1	9.2	
46444D	43	W 89 42.0	N 79 01.0	16XDC445687724	SW	SW	1768	579	579	1067	27 8 59	1417 4	823 3	2.1	6.7	6.7	
46444D	44	W 89 43.5	N 78 58.5	16XDC441987685		W	762	610	610		28 7 59		686 3	1.3	1.3	1.3	
46444D	45	W 89 49.0	N 78 58.4	16XDC439787688		NW	823	640	640		28 7 59		731 3	1.6	1.6	1.6	
46444D	46	W 89 52.0	N 79 01.5	16XDC439287740		NW	975	823	823		27 8 59		747 3	1.3	1.3	1.3	
46444D	47	W 89 54.5	N 79 02.0	16XDC438287748		N	762	610	610		27 8 59		686 3	.5	.5	.5	
46444D	48	W 89 54.0	N 79 02.1	16XDC438487752		W	762	701	701		27 8 59		732 3	.3	.3	.3	

E. EXPEDITION FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444E	1	W 91 22.5	N 79 27.1	15XWU433388208	N	W	1250	625	625	1100	28 7 59	1175 2	900 2	4.0	6.1	6.1	1.1
46444E	2	W 91 14.5	N 79 26.5	15XWU536088195	SE	SE	1110	700	700	1025	28 7 59	1175 2	900 2	1.4	1.9	1.9	.5
46444E	3	W 91 13.5	N 79 27.4	15XWU536388215		SE	1050	985	985		28 7 59		1015 2	.5	.5	.5	.3
46444E	4	W 91 10.0	N 79 25.7	15XWU537788182	S	S	1700	115	115	930	28 7 59	1200 2	675 2	9.1	13.5	13.5	1.5
46444E	5	W 91 01.0	N 79 27.6	15XWU540988217	SW	SW	1700	115	115	930	13 8 59	1200 2	675 2	1.6	2.3	2.3	.6
46444E	6	W 90 59.5	N 79 27.1	15XWU541088210	N	N	937	765	765	900	13 8 59	915 2	875 2	1.0	1.6	1.6	.4
46444E	7	W 91 03.8	N 79 26.5	15XWU539688198		SW	1010	820	820		13 8 59		930 2	.6	.6	.6	
46444E	8	W 91 01.5	N 79 26.6	15XWU540588200	SW	SW	1315	625	625	1075	13 8 59	1150 2	985 2	1.6	2.4	3.4	.5
46444E	9	W 90 58.0	N 79 26.4	15XWU541588194	SW	SW	1175	715	715	1060	13 8 59	1080 2	980 2	1.3	1.6	1.6	.7
46444E	10	W 90 58.0	N 79 26.8	15XWU541688204	NE	NE	1315	775	775	1075	13 8 59	1125 2	1041 2	2.3	2.3	2.3	
46444E	11	W 90 57.5	N 79 27.5	15XWU541688220	S	S	1330	900	900	1125	13 8 59	1225 2	1025 2	.6	1.6	1.6	.3
46444E	12	W 90 56.0	N 79 27.6	15XWU542288222	S		1320	935	935		13 8 59	1160 2		.0	1.4	1.4	.4
46444E	13	W 90 55.0	N 79 27.9	15XWU542588227	S		1300	1015	1015		13 8 59	1150 2		.0	.8	.8	.2
46444E	14	W 90 51.0	N 79 28.4	15XWU543688236	E		1210	1000	1000		13 8 59	1125 2		.0	1.2	1.2	.4
46444E	15	W 90 40.0	N 79 26.7	15XWU547388206	SE	SE	1782	75	53	1010	28 7 59	1225 2	550 2	9.7	15.1	15.3	1.1
46444E	16	W 90 42.0	N 79 29.0	15XWU546888250	S	S	1197	770	770	1080	28 7 59	1125 2	950 2	1.4	2.5	2.5	.5
46444E	17	W 90 37.5	N 79 30.1	15XWU547788268	F		1125	850	850		28 7 59	1025 2		.0	.5	.5	.3
46444E	18	W 90 37.0	N 79 30.4	15XWU548088274	SE		1140	815	815		28 7 59	1000 2		.0	1.6	1.6	.7
46444E	19	W 90 39.0	N 79 30.8	15XWU547788280	N		1050	800	800		28 7 59	925 2		.0	1.1	1.1	.3
46444E	20	W 90 46.0	N 79 32.4	15XWU545388306	N	N	1250	1040	1040	1175	28 7 59	1200 2	1140 2	.3	.4	.4	.3
46444E	21	W 90 30.0	N 79 28.0	15XWU551088234	S	S	1804	50	50	1040	28 7 59	1250 2	600 2	26.6	35.5	35.5	3.0
46444E	22	W 90 32.0	N 79 37.4	15XWU549688404	W		1125	800	800		28 7 59	960 2		.0	.9	.9	.4
46444E	23	W 90 29.0	N 79 33.7	15XWU551088337	W	S	1625	525	515	1100	28 7 59	1300 2	825 2	6.2	9.6	9.6	1.0
46444E	24	W 90 25.0	N 79 34.7	15XWU552088354	W	S	1386	575	575	1050	28 7 59	1170 2	850 2	3.0	3.9	3.9	.4
46444E	25	W 90 23.0	N 79 34.2	15XWU553088344	W	W	1386	650	650	950	28 7 59	1050 2	725 2	1.3	1.7	1.7	.5
46444E	26	W 90 23.5	N 79 32.2	15XWU552888308	SW	SW	1386	412	412	1100	28 7 59	1250 2	775 2	4.2	5.5	5.5	.6
46444E	27	W 90 19.5	N 79 32.7	15XWU554288318	W	W	1330	625	625	1125	28 7 59	1250 2	950 2	1.4	1.8	1.8	.3
46444E	28	W 90 19.0	N 79 32.5	15XWU554488313	W	SW	1330	650	650	1125	28 7 59	1200 2	1000 2	.9	1.3	1.3	.4
46444E	29	W 90 19.0	N 79 31.8	15XWU554488303		SW	1025	835	835		28 7 59		925 2	.6	.6	.6	.1
46444E	30	W 90 18.0	N 79 32.5	15XWU554788313	SE	SE	1380	1025	1025	1200	28 7 59	1290 2	1110 2	.1	.4	.4	.2
46444E	31	W 90 12.0	N 79 32.6	15XWU556788318	S	SE	1516	397	397	1075	28 7 59	1250 2	775 2	4.9	7.3	7.3	.8
46444E	32	W 90 10.2	N 79 34.0	15XWU557088343	SE		1325	1225	1225		28 7 59	1275 2		.0	.2	.2	.1
46444E	33	W 90 10.1	N 79 34.2	15XWU557288346	SE		1375	1200	1200		28 7 59	1240 2		.0	.3	.3	.2
46444E	34	W 90 10.0	N 79 34.3	15XWU557288348	SE		1380	1190	1190		28 7 59	1365 2		.0	.4	.4	.1
46444E	35	W 90 09.1	N 79 34.3	15XWU557588348	SE		1380	1200	1200		28 7 59	1365 2		.0	.3	.3	.1
46444E	36	W 90 06.5	N 79 34.4	15XWU558688350	SE	SE	1516	600	600	1050	28 7 59	1250 2	825 2	1.5	2.5	2.5	1.7
46444E	37	W 90 05.0	N 79 34.7	15XWU558888355	SE	SE	1310	616	616	985	28 7 59	1125 2	775 2	.9	2.1	2.1	.7
46444E	38	W 90 02.0	N 79 34.2	15XWU560088348	S	SW	1625	397	397	1000	28 7 59	1250 2	735 2	3.9	6.5	6.5	1.6
46444E	39	W 89 54.0	N 79 33.8	16XDB441688340	NW	NW	1210	775	750	1025	28 7 59	1125 2	885 2	1.1	2.9	2.9	.6
46444E	40	W 89 57.0	N 79 33.5	16XDB440388336	N	NW	1326	650	650	1025	28 7 59	1125 2	850 2	3.2	4.8	4.8	.8
46444E	41	W 89 59.0	N 79 33.5	16XDB469488354	NW	NW	1378	575	575	1075	28 7 59	1200 2	850 2	3.9	5.5	5.5	.9
46444E	42	W 90 02.0	N 79 32.6	15XWU559988317	NW	NW	1250	975	975	1200	28 7 59	1220 2	1135 2	.5	.6	.6	.7
46444E	43	W 90 04.5	N 79 32.0	15XWU559488308	W	W	1378	850	850	1090	28 7 59	1230 2	990 2	1.0	2.1	2.1	1.1
46444E	44	W 90 08.0	N 79 31.8	15XWU558288304		NW	1050	900	900		28 7 59		975 2				
46444E	45	W 90 07.5	N 79 31.1	15XWU558488290	W	W	1378	415	415	1000	28 7 59	1200 2	760 2	3.5	6.4	6.4	1.0
46444E	46	W 90 12.1	N 79 29.4	15XWU557088260	W	W	1620	347	347	875	28 7 59	1225 2	625 2	6.7	13.5	13.5	1.3
46444E	47	W 90 15.1	N 79 27.8	15XWU556088230	W	W	1638	250	250	980	28 7 59	1300 2	650 2	9.9	18.4	18.4	1.7
46444E	48	W 90 14.0	N 79 26.8	15XWU556788210	N		1233	1100	1100		28 7 59	1175 2		.0	.5	.5	.2
46444E	49	W 90 14.5	N 79 26.4	15XWU555088202		NW	1110	325	325		28 7 59		775 2	3.5	3.5	3.5	.6
46444E	50	W 90 20.0	N 79 24.8	15XWU554788173	SW	SW	1200	700	700	1025	28 7 59	1085 2	900 2	3.0	5.2	5.2	1.6
46444E	51	W 90 22.0	N 79 24.5	15XWU554088165		NW	951	830	830		28 7 59		900 2	.5	.5	.5	.3

D. STRAND FIORD

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444D	1	21.13	21.25 3	3.65 3	83	200	.43 3	430114	52100	SURFACE DRAINAGE CHANNELS	HIDDEN ICE FIELD
46444D	2	1.23	1.23 3	1.23 3	0	25	.03 3	300112	42000	CARAPACE	
46444D	3	.36	.36 3	.36 3	0	15	.01 3	770112	42000		
46444D	4	.53	.53 3	.13 3	75	50	.03 3	403112	42000	DRAINS OFF 46444D-1	
46444D	5	.33	.33 3	.33 3	0	50	.02 3	403112	42000	DRAINS FROM 46444D-1	
46444D	6	.11	.11 3	.11 3	0	15	.00 3	700112	42000	SNOWDRIFT ICE	
46444D	7	3.58	3.63 3	1.01 3	72	50	.18 3	535112	42000	DOG-LEG JOINS 46444D-8	
46444D	8	169.75	171.20 3	55.00 3	68	400	68.48 3	410114	64129	MAJOR STREAM JOINS NEAR SNOUT	STRAND
46444D	9	6.90	6.90 3	3.43 3	50	125	1.09 3	435112	42000	JOINS 46444D-8	
46444D	10	.16	.16 3	.16 3	0	15	.00 3	750112	42000	SPILL-OFF FROM TRIM. OF 46444D-8	
46444D	11	.14	.14 3	.14 3	0	15	.00 3	750112	42000	SPILL-OFF FROM TRIM. OF 46444D-8	
46444D	12	.22	.22 3	.22 3	0	15	.00 3	750112	42000	SPILL-OFF FROM TRIM. OF 46444D-8	
46444D	13	.19	.19 3	.19 3	0	15	.00 3	750112	42000	SPILL OFF FROM TRIM. OF 46444D-8	
46444D	14	.11	.11 3	.11 3	0	15	.00 3	750112	42000	SPILL-OFF FROM TRIM. OF 46444D-8	
46444D	15	.63	.63 3	.13 3	79	50	.03 3	403112	42000	LOBE FROM TRIM. OF 46444D-8	
46444D	16	.71	.71 3	.71 3	0	15	.00 3	750112	42001	SEPARATED FROM 4D-17 BY LAKE	
46444D	17	84.40	84.40 3	19.90 3	76	200	16.88 3	422113	44111	MAJOR OUTLET	
46444D	18	1.61	1.61 3	.61 3	62	50	.08 3	535112	42000	JOINS 46444D-17	
46444D	19	7.85	7.85 3	2.21 3	72	125	.98 3	670112	44000	ICE DIVIDES INTO THREE TONGUES	
46444D	20	4.84	4.84 3	1.11 3	77	50	.24 3	530112	42000	TRIM LINES	
46444D	21	.50	.50 3	.00 3	100	50	.02 3	403112	42000	LOBE OFF 46444D-20	
46444D	22	6.67	6.67 3	1.93 3	71	125	.83 3	535112	42100	JOINS 46444D-23	
46444D	23	59.17	60.50 3	40.70 3	33	200	12.10 3	421114	44101	MAYBE JOKULHLAUP OF LARGE LAKE	
46444D	24	36.07	36.60 3	10.20 3	72	200	7.32 3	434112	42001	JOINS 46444D-25	
46444D	25	6.83	7.17 3	2.23 3	69	125	.90 3	535112	42001	JOINS 46444D-24. CALVES IN LAKE	
46444D	26	6.44	6.44 3	2.11 3	67	125	.80 3	535112	44000	JOINS 46444D-23 NEAR SNOUT	
46444D	27	1.51	1.51 3	1.21 3	20	50	.08 3	453112	42000	SPILLS OVER FROM ICE FIELD	
46444D	28	1.81	1.81 3	1.01 3	44	50	.09 3	453112	42000	SPILLS OVER FROM ICE FIELD	
46444D	29	5.75	5.75 3	3.33 3	42	125	.72 3	453112	42000	SPILLS OVER FROM ICE FIELD	
46444D	30	27.46	27.46 3	6.76 3	75	200	5.49 3	430112	44000	LONG THIN TONGUE. TRIM LINES	
46444D	31	3.14	3.14 3	1.83 3	42	25	.08 3	300112	42000	SOME DRAINAGE TO 46444D-30	
46444D	32	2.34	2.34 3	.71 3	70	50	.12 3	453112	42010	SPILLS OVER FROM BASIN OF 4D-30	
46444D	33	1.41	1.41 3	.40 3	72	50	.07 3	453112	42000	DEBRIS COVERED SNOUT	
46444D	34	170.26	171.10 3	60.60 3	64	400	68.44 3	421114	44127	DRAINS LARGE PART OF ICE FIELD	
46444D	35	1.41	1.41 3	.81 3	42	50	.07 3	530412	42000		
46444D	36	2.84	2.84 3	1.11 3	61	50	.14 3	552112	44001	TONGUE DIVIDED BY ROCK RIDGE	
46444D	37	15.61	15.83 3	3.83 3	76	125	1.98 3	532114	44101	MARGINAL CLIFFS	
46444D	38	4.44	4.44 3	1.41 3	68	50	.22 3	530112	42100	EXTENSIVE DRAINAGE CHANNELS	
46444D	39	.81	.81 3	.81 3	0	15	.00 3	790012	42000	SEPARATED LOBE OF 46444D-38	
46444D	40	1.82	1.82 3	.81 3	56	50	.09 3	533113	44010	JOINS 46444D-41	
46444D	41	6.35	6.35 3	2.52 3	60	125	.79 3	534114	44111	CALVING ALONG MARGINS	
46444D	42	18.22	19.05 3	6.85 3	64	125	2.38 3	422112	44011	FORKED TONGUE	
46444D	43	12.20	12.20 3	4.24 3	65	125	1.52 3	432412	44001	JOINS 46444C-15	
46444D	44	1.11	1.11 3	1.11 3	0	25	.03 3	300112	42000		
46444D	45	.22	.22 3	.22 3	0	15	.00 3	650112	42000	2 THIN TONGUES	
46444D	46	.69	.69 3	.69 3	0	15	.00 3	300114	42000		
46444D	47	.13	.13 3	.13 3	0	15	.00 3	700112	42000	SNOWDRIFT ICE AT VALLEY HEAD	
46444D	48	.03	.03 3	.03 3	0	15	.00 3	700112	42000	SNOWDRIFT ICE MASS	

E. EXPEDITION FIORD

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444E	1	5.89	5.89 3	3.89 2	34	125	.74 3	530412	44002	LOBES ALONG MARGIN. TRIM LINES	
46444E	2	1.08	1.08 3	.74 2	31	50	.05 3	530512	42000	TRIM LINES VISIBLE	
46444E	3	.26	.26 3	.26 2	0	50	.01 3	535112	42000	JOINS CRUSOE (46444E-4)	
46444E	4	43.52	43.52 3	19.00 2	56	200	8.70 3	512114	87202	SPLAYED CREVASSES. FRONTAL CLIFF	CRUSOE
46444E	5	1.22	1.22 3	.82 2	33	50	.06 3	534112	56000	SEPARATED BY MORAINE FROM LAKE	SOUTH WEST SISTER
46444E	6	.71	.71 3	.47 2	34	15	.01 3	670112	54000	BOUNDED BY 46444E-5 AND -9	SADDLE
46444E	7	.04	.04 2	.04 2	0	15	.00 3	750112	56000	REMNANT ICE MASS	
46444E	8	.92	.92 3	.60 2	35	15	.01 3	650112	56000	TRIM LINES	STARVATION(*)
46444E	9	.68	.68 3	.40 2	12	15	.01 3	650112	97100	IHD REPRESENTATIVE GLACIER	BABY
46444E	10	1.28	1.28 3	.79 2	38	20	.02 3	670112	54000	JOINS 46444E-6	BLACK CROWN
46444E	11	.41	.41 3	.15 2	63	15	.01 3	650112	56000	SHARES DIVIDE WITH 46444E-11	SOUTH SISTER
46444E	12	.88	.88 3	.00 2	100	15	.01 3	650112	56000	SHARES DIVIDE WITH 46444E-10	SOUTH EAST SISTER
46444E	13	.55	.55 3	.00 2	100	15	.01 3	643112	56000	THIN ICE SHEET AT HEADWALL	EAST SISTER
46444E	14	.55	.55 3	.00 2	100	15	.01 3	650112	46100	SMALL LOBE ON RIDGE CREST	
46444E	15	37.95	38.00 3	12.64 2	67	200	7.50 3	515112	97112	IHD REPRESENTATIVE GLACIER	WHITE
46444E	16	.75	.75 3	.57 2	24	15	.01 3	650112	46000	SHARES DIVIDE WITH 46444E-15	
46444E	17	.27	.27 3	.00 2	100	15	.00 3	650112	42000	SEPARATED FROM 4E-15 BY ROCK KNOB	
46444E	18	1.10	1.10 3	.00 2	100	20	.02 3	650112	42000	SHARES DIVIDE WITH 46444E-17	
46444E	19	.66	.66 3	.00 2	100	15	.01 3	650112	42000	SMALL LOBE FROM TRIM. TO 4E-21	
46444E	20	.13	.13 3	.10 2	23	15	.00 3	650112	42000	VERY STEEP SLOPE	
46444E	21	230.31	230.31 3	105.23 2	54	500	115.16 3	410114	87169	SURVEYED PUSH MORAINE	THOMPSON
46444E	22	.20	.20 3	.00 2	100	15	.00 3	650112	42000	SMALL GLACIER ON NUNATAK	
46444E	23	13.87	13.87 3	6.32 2	54	125	1.73 3	515112	54101	SEPARATED BY ROCK RIDGE FROM E-21	PARALLEL
46444E	24	1.97	1.97 3	1.15 2	42	50	.10 3	535112	42000	JOINS 46444E-23	
46444E	25	.77	.77 3	.50 2	35	15	.01 3	650112	42000	ROCK RIDGE IN UPPER BASIN	
46444E	26	4.28	4.28 3	3.03 2	29	50	.21 3	520112	54001	SNOUT IN LAKE DAMMED BY 46444E-21	FINGER
46444E	27	.57	.57 3	.34 2	40	15	.01 3	655112	42000	JOINS 46444E-26	
46444E	28	.42	.42 3	.11 2	74	15	.01 3	650112	42000		
46444E	29	.07	.07 3	.07 2	0	15	.00 3	650112	42000		
46444E	30	.06	.06 3	.01 2	83	15	.00 3	670112	46000	THIN ICE MASS AT TOP OF HEADWALL	
46444E	31	11.35	11.35 3	4.43 2	61	125	1.42 3	532112	56000	EXPANDS IN LAKE DAMMED BY 4E-21	PHANTOM
46444E	32	.02	.02 3	.00 2	100	15	.00 3	773112	42000	SMALL LOBE AT HEADWALL	
46444E	33	.03	.03 3	.00 2	100	15	.00 3	703112	42000	SPILL OVER FROM ACCU. OF 4E-31	
46444E	34	.03	.03 3	.00 2	100	15	.00 3	773112	42000	THIN APRON JOINS HEAD OF 4E-31	
46444E	35	.48	.48 3	.00 2	100	15	.01 3	773112	42000	LOBE OFF HEAD OF 46444E-31	
46444E	36	2.07	2.07 3	.79 2	62	50	.10 3	535112	42000	JOINS TRANSIT GLACIER (46444E-38)	
46444E	37	1.18	1.18 3	.26 2	78	50	.06 3	430112	42001	SMALL LOBE FROM 46444E-36	
46444E	38	45.28	45.28 3	18.25 2	60	200	9.06 3	424112	56001	SOUTHERN DRAINAGE OF MAIN ICE CAP	TRANSIT
46444E	39	.35	.35 3	.19 2	46	50	.02 3	535112	42001	JOINS 46444E-40	
46444E	40	3.03	3.03 3	1.58 2	48	50	.15 3	535112	42000	JOINS 46444E-38. -39 AND -41	
46444E	41	4.25	4.25 3	2.08 2	51	50	.21 3	535112	42000	JOINS 46444E-38 AND -40	
46444E	42	.27	.27 3	.23 2	15	15	.00 3	653112	46000	SMALL LOBE AT HEAD OF 4E-41,-43	
46444E	43	1.93	1.93 3	.57 2	70	20	.04 3	650112	46000	LOBE ENDS AT TOP OF CLIFF	
46444E	44	.03	.03 3	.03 2	0	15	.00 3	780112	46000	GROUP OF 4 GLACIERETS	
46444E	45	5.07	5.07 3	3.77 2	26	125	.63 3	530112	46000	DOG-LEG WITH LAKE AT BEND	
46444E	46	28.14	28.14 3	19.18 2	32	200	5.63 3	435112	56004	SEVERAL LOBES OFF MAIN STREAM	ASTRO
46444E	47	18.40	18.61 3	14.61 2	22	125	2.33 3	525112	56013	JOINS WITH 4E-21	PIPER
46444E	48	.08	.08 3	.00 2	100	15	.00 3	770112	42000	SMALL MASS ON MOUNTAIN RIDGE	
46444E	49	3.41	3.41 3	3.41 2	0	50	.17 3	430412	46000	PART OF HIDDEN ICE FIELD	
46444E	50	6.51	6.51 3	3.65 2	44	125	.81 3	433112	46000	LOBE OFF HIDDEN ICE FIELD	
46444E	51	.19	.19 3	.19 2	0	15	.00 3	770112	42010	LONG ICE MASS ON MOUNTAIN TOP	

F. ICEBERG BAY

"See List of Abbreviations on page 58"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION AHLA	TOTAL LENGTH AHLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444F	1	W 93 06.0	N 79 32.5	15XVU498088300	SE	SE	792	305	305	732	28 7 59	762 4	518 3	2.4	3.0	3.0	.8
46444F	2	W 93 10.0	N 79 34.1	15XVU496888332	NW	SW	792	305	305	732	28 7 59	762 4	518 3	3.0	3.1	3.2	
46444F	3	W 93 07.0	N 79 34.1	15XVU497788332		NW	808	655	655		28 7 59		790 3	.2	.2	.2	
46444F	4	W 93 06.5	N 79 34.2	15XVU497788335		NW	823	610	610		28 7 59		770 3	.4	.4	.4	
46444F	5	W 93 01.5	N 79 34.2	15XVU499588334		SE	792	335	335		28 7 59		563 3	1.5	1.5	1.5	.4
46444F	6	W 93 08.0	N 79 34.7	15XVU597488342		NW	823	427	427		28 7 59		625 3	3.4	3.4	3.4	
46444F	7	W 92 59.0	N 79 34.2	15XWU500488333		W	800	740	740		28 7 59		770 3	.2	.2	.2	
46444F	8	W 92 59.5	N 79 35.0	15XWU500288348		NE	792	396	396		28 7 59		546 3	1.3	1.3	1.3	.8
46444F	9	W 93 13.0	N 79 34.0	15XVU498888350		NE	914	152	152		28 7 59		553 3	1.5	1.5	1.5	
46444F	10	W 93 05.0	N 79 35.2	15XVU498488352		W	945	549	549		28 7 59		747 3	2.5	2.5	2.5	.5
46444F	11	W 93 07.0	N 79 35.8	15XVU497688364		W	914	488	488		28 7 59		666 3	2.6	2.4	2.6	.4
46444F	12	W 93 09.2	N 79 36.4	15XVU497088370		W	914	335	335		28 7 59		624 3	2.6	2.5	2.6	.5
46444F	13	W 93 10.5	N 79 36.7	15XVU496688379		W	914	335	335		28 7 59		624 3	2.5	2.4	2.5	.5
46444F	14	W 93 14.0	N 79 35.6	15XVU495688380		SW	427	305	305		28 7 59		366 3	.5	.5	.5	
46444F	15	W 93 18.2	N 79 37.2	15XVU493888388	S	S	1097	274	274	853	28 7 59	975 4	513 3	4.2	5.6	5.6	.9
46444F	16	W 93 20.3	N 79 38.4	15XVU493288412	NW	NW	975	800	800	930	28 7 59	950 4	870 3	.8	1.0	1.0	
46444F	17	W 92 57.5	N 79 36.6	15XWU501088400		W	1219	732	732		28 7 59		975 3	1.3	1.3	1.3	
46444F	18	W 93 05.0	N 79 37.0	15XVU499888384	S	SE	1402	122	122	808	28 7 59	1102 4	462 3	9.4	17.1	17.1	2.3
46444F	19	W 92 50.6	N 79 35.8	15XWU503188367		SW	1080	716	716		13 8 59		860 3	.6	.6	.6	
46444F	20	W 92 51.0	N 79 34.5	15XWU503088360		SW	1006	183	183		13 8 59		594 3	2.1	2.0	2.1	.4
46444F	21	W 92 47.5	N 79 33.0	15XWU504088332		NW	823	427	427		13 8 59		625 3	.9	.9	.9	
46444F	22	W 92 46.5	N 79 33.5	15XWU504688320		SW	762	152	152		28 7 59		457 3	3.7	3.7	3.7	.5
46444F	23	W 92 42.0	N 79 32.0	15XWU506088292	W	W	1128	274	274	884	13 8 59	1006 4	579 3	6.0	7.6	7.6	1.1
46444F	24	W 92 55.0	N 79 31.0	15XWU506688270		N	640	620	620		28 7 59		630 3	3.4	3.4	3.4	
46444F	25	W 92 58.8	N 79 30.7	15XWU500488268		NW	914	610	610		28 7 59		760 3	.9	.9	.9	
46444F	26	W 92 58.0	N 79 30.2	15XWU500588260		NW	945	640	640		28 7 59		750 3	.4	.4	.4	
46444F	27	W 92 42.5	N 79 30.9	15XWU508088270		SW	823	427	427		13 8 59		625 3	1.9	1.8	1.8	
46444F	28	W 92 36.5	N 79 30.5	15XWU508088262		SW	823	579	579		13 8 59		701 3	2.0	2.0	2.0	
46444F	29	W 92 34.0	N 79 29.8	15XWU508888258		SW	945	884	884		13 8 59		914 3	.5	.5	.5	
46444F	30	W 92 32.0	N 79 31.8	15XWU509388290		SW	945	610	610		13 8 59		775 3	.8	.8	.8	
46444F	31	W 92 26.2	N 79 30.8	15XWU511588272		SE	880	762	762		13 8 59		800 3	.4	.4	.4	
46444F	32	W 92 23.5	N 79 31.0	15XWU512288274		SW	945	792	792		13 8 59		868 3	.4	.4	.4	
46444F	33	W 92 27.0	N 79 31.6	15XWU512288274	N	E	853	183	183	792	13 8 59	822 4	487 3	2.6	4.3	4.3	.8
46444F	34	W 92 23.0	N 79 31.4	15XWU512388283	N	N	823	488	488	792	13 8 59	807 4	640 3	1.4	1.6	1.6	
46444F	35	W 92 21.5	N 79 31.4	15XWU518088280		N	792	427	427		13 8 59		609 3	1.1	1.1	1.1	
46444F	36	W 92 29.7	N 79 31.4	15XWU513488280		N	792	701	701		13 8 59		747 3	.5	.5	.5	
46444F	37	W 92 27.5	N 79 32.4	15XWU511088300		E	1036	457	457		13 8 59		746 3	1.6	1.6	1.6	.5
46444F	38	W 92 29.0	N 79 32.7	15XWU510488308	NE	SE	1006	366	366	914	13 8 59	955 4	640 3	2.3	3.0	3.0	.8
46444F	39	W 92 30.0	N 79 33.5	15XWU510088318		E	1311	1067	1067		4 8 59		1189 3	1.3	1.3	1.3	.5
46444F	40	W 92 25.0	N 79 33.6	15XWU511788324		E	792	541	541		4 8 59		651 3	.8	.8	.8	
46444F	41	W 92 30.5	N 79 34.0	15XWU510088330		NE	1250	213	213		4 8 59		731 3	4.6	4.6	4.6	.8
46444F	42	W 92 29.0	N 79 35.7	15XWU510288342		NE	762	610	610		4 8 59		686 3	.4	.4	.4	
46444F	43	W 92 34.0	N 79 35.1	15XWU508588352	E	E	1128	213	213	1067	4 8 59	1097 4	640 3	5.0	7.0	7.0	.8
46444F	44	W 92 31.0	N 79 36.0	15XWU509688368		E	914	488	488		4 8 59		701 3	.4	.4	.4	
46444F	45	W 92 33.5	N 79 36.2	15XWU509088372		NE	1067	457	457		4 8 59		762 3	.8	.8	.8	
46444F	46	W 92 35.0	N 79 36.4	15XWU508288376	E	E	1219	305	305	1158	4 8 59	1189 4	731 3	4.7	5.0	5.0	.5
46444F	47	W 92 34.0	N 79 37.3	15XWU509088390		E	762	244	244		4 8 59		503 3	2.5	2.2	2.5	.4
46444F	48	W 92 36.0	N 79 38.4	15XWU508088412	E	E	1300	890	890	1250	13 8 59	1270 4	1110 3	.7	.9	.9	
46444F	49	W 92 35.5	N 79 38.6	15XWU508288416	E	NE	1372	396	396	1250	13 8 59	1361 4	823 3	2.5	3.0	3.0	.3
46444F	50	W 92 22.5	N 79 45.7	15XWU512388550	S		1372	975	975		28 7 59	1173 4		.0	.5	.5	
46444F	51	W 92 23.5	N 79 45.4	15XWU512388544	SW		1270	914	914		28 7 59	1070 4		.0	.6	.6	
46444F	52	W 92 22.0	N 79 44.7	15XWU512688532		SW	732	670	670		28 7 59		701 3	3.9	3.8	3.8	
46444F	53	W 92 14.0	N 79 43.5	15XWU515388510	NW	W	1372	701	701	823	28 7 59	1047 4	762 3	.5	1.9	2.0	
46444F	54	W 92 12.5	N 79 43.0	15XWU515588500	SW	SW	1544	640	640	792	28 7 59	1168 4	716 3	1.3	2.3	2.3	
46444F	55	W 92 04.5	N 79 50.5	15XWU518888548	N	NW	1184	488	488	1097	28 7 59	1130 4	792 3	1.1	1.1	2.3	
46444F	56	W 92 22.0	N 79 43.5	15XWU512688418	SW	SW	1844	0	0	762	28 7 59	1303 4	341 3	39.9	58.4	58.4	4.3
46444F	57	W 91 55.5	N 79 37.9	15XWU521588408	S	SE	1250	549	549	975	28 7 59	1112 4	762 3	1.4	3.0	3.0	.4
46444F	58	W 91 50.5	N 79 38.8	15XWU523188423	SE	S	1260	750	750	880	28 7 59	1210 4	800 3	.5	1.7	1.7	.2
46444F	59	W 91 34.5	N 79 35.1	15XWU528888356	S	S	1219	701	701	1036	28 7 59	1127 4	868 3	2.4	3.2	3.2	
46444F	60	W 91 43.5	N 79 35.3	15XWU525888354	SW	SW	1128	274	274	975	28 7 59	1026 4	624 3	4.3	7.1	7.1	
46444F	61	W 91 48.0	N 79 33.6	15XWU524488324		SW	945	183	183		13 8 59		564 3	4.9	4.9	4.9	.8
46444F	62	W 91 48.0	N 79 32.0	15XWU524388312		SW	1128	274	274		13 8 59		696 3	2.4	2.4	2.4	
46444F	63	W 91 27.5	N 79 32.5	15XWU531388320		NW	1097	548	548		28 7 59		820 3	1.6	1.6	1.6	
46444F	64	W 91 44.0	N 79 21.4	15XWU525988283	SW	SW	1890	91	91	610	28 7 59	1250 4	350 3	22.7	31.1	31.9	2.6
46444F	65	W 91 31.5	N 79 30.5	15XWU520088268	SW	SW	1859	91	91	732	28 7 59	1127 4	641 3	10.5	19.4	19.7	2.1
46444F	66	W 91 54.5	N 79 29.6	15XWU522388253		SE	823	792	792		28 7 59		813 3	.5	.5	.5	
46444F	67	W 91 30.5	N 79 29.3	15XWU530288250		NW	945	579	579		28 7 59		732 3	1.3	1.3	1.3	
46444F	68	W 91 25.0	N 79 28.7	15XWU532288238		SW	914	488	488		28 7 59		601 2	2.1	2.1	2.1	
46444F	69	W 91 26.0	N 79 27.8	15XWU532088220		SE	914	732	732		28 7 59		823 2	.6	.6	.6	.4
46444F	70	W 91 23.0	N 79 28.2	15XWU533088228		SE	853	762	762		28 7 59		807 2	1.0	1.0	1.0	

G. MIDDLE FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION AHLA	TOTAL LENGTH AHLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444G	1	W 94 13.0	N 79 54.8	15XVU476088720	W	W	1128	427	427	792	22 7 58	960 4	609 3	1.6	2.4	2.4	
46444G	2	W 94 12.0	N 79 53.3	15XVU476688690	W	S	1143	244	244	732	22 7 58	937 4	488 3	4.6	7.5	7.5	
46444G	3	W 94 05.0	N 79 51.3	15XVU478688650	S	W	1128	122	122	792	22 7 58	955 4	457 3	7.0	9.0	9.0	
46444G	4	W 94 06.0	N 79 50.1	15XVU478488632	W	NW	914	244	242	732	22 7 58	823 4	488 3	2.4	5.3	5.3	1.5
46444G	5	W 94 01.0	N 79 49.4	15XVU479788661		W	640	549	549		22 7 58		594 3	.4	.4	.4	
46444G	6	W 93 57.0	N 79 49.9	15XVU481488662		SE	792	701	701		22 7 58		745 3	.6	.6	.6	
46444G	7	W 93 52.0	N 79 50.3	15XVU483088633	S	S	1097	294	290	823	22 7 58	960 4	556 3	2.6	4.0	4.0	.8
46444G	8	W 93 33.0	N 79 49.8	15XVU489388626	SW	SW	1783	122	114	792	28 7 59	1287 4	453 3	21.5	41.2	41.3	4.1
46444G	9	W 93 14.0	N 79 52.1	15XVU495688668	SE		1097	762	762		28 7 59	929 4	.0	.5	.5	.5	
46444G	10	W 93 10.0	N 79 48.2	15XVU496688598	NW	NW	1006	549	549	823	28 7 59	914 4	736 3	1.1	1.6	1.6	
46444G	11	W 93 12.5	N 79 48.2	15XVU495988594	NW	NW	1250	540	540	914	28 7 59	1067 4	700 3	2.3	2.4	2.4	
46444G	12	W 93 12.0	N 79 47.5	15XVU496088582	NW	NW	1280	701	701	945	28 7 59	1007 4	523 3	.8	1.8	1.8	
46444G	13	W 93 13.5	N 79 42.3	15XVU495788576	NW	N	1128	579	579	762	28 7 59	975 4	670 3	.2	3.0	3.0	
46444G	14	W 93 18.0	N 79 43.4	15XVU494288596	NW	NW	1006	518	518	762	28 7 59	884 4	640 3	1.9	2.6	2.6	
46444G	15	W 93 40.0	N 79 7.0	15XVU486888574	N	N	1067	122	122	747	28 7 59	907 4	434 3	2.1	4.0	4.0	.6
46444G	16	W 93 45.0	N 79 44.9	15XVU485388558	NW	NW	1067	213	213	670	28 7 59	868 4	441 3	1.5	3.3	3.3	1.3
46444G	17	W 93 39.5	N 79 44.7	15XVU487088545	SW		945	762	762		28 7 59	853 4		.0	.4	.4	
46444G	18	W 93 38.5	N 79 44.0	15XVU487088540	SW		945	762	762		28 7 59	853 4		.0	3.8	3.8	
46444G	19	W 93 37.5	N 79 45.0	15XVU487688536		SW	945	762	762		28 7 59		853 3	.0	.4	.4	
46444G	20	W 93 27.5	N 79 44.4	15XVU491088545	S	S	1097	274	274	762	28 7 59	924 4	518 3	4.0	7.5	7.5	1.9
46444G	21	W 93 18.0	N 79 43.8	15XVU494388536	SW	W	1280	305	305	762	28 7 59	1021 4	533 3	2.6	7.0	7.0	
46444G	22	W 93 19.0	N 79 43.3	15XVU493888524		S	732	640	640		28 7 59		686 3	.9	.9	.9	
46444G	23	W 93 16.5	N 79 43.3	15XVU494688526		SW	701	640	640		28 7 59		670 3	1.0	1.0	1.0	
46444G	24	W 93 10.5	N 79 43.4	15XVU496688526	W	W	975	610	610	945	28 7 59	960 4	772 3	1.0	1.8	1.8	
46444G	25	W 93 9.5	N 79 42.4	15XVU496888508	W	W	1554	457	457	792	28 7 59	1173 4	619 3	3.3	7.5	7.5	1.4
46444G	26	W 93 10.0	N 79 41.5	15XVU496888490	NW	NW	1554	274	274	1064	28 7 59	1309 4	819 3	7.3	10.3	10.3	1.5
46444G	27	W 93 7.5	N 79 40.6	15XVU497688474	NW	NW	1067	427	427	1006	28 7 59	1036 4	716 3	2.3	2.6	2.6	.5
46444G	28	W 93 7.5	N 79 39.8	15XVU497688462	W	W	1097	459	457	914	28 7 59	1005 4	686 3	1.5	3.5	3.5	.3
46444G	29	W 93 07.0	N 79 39.3	15XVU497688450	W	N	1097	457	457	945	28 7 59	1021 4	701 3	2.4	3.1	3.1	.5
46444G	30	W 93 12.0	N 79 39.6	15XVU496088456	W	N	1524	213	213	670	28 7 59	1097 4	441 3	4.5	12.5	12.5	2.4
46444G	31	W 93 19.0	N 79 39.5	15XVX493688454		N	914	579	579		28 7 59		747 3	.9	.9	.9	
46444G	32	W 93 20.0	N 79 39.5	15XVU493288454		N	884	544	544		28 7 59		714 3	.9	.9	.9	
46444G	33	W 93 21.0	N 79 39.2	15XVU493088448		NW	1219	890	890		28 7 59		1036 3	1.1	1.1	1.1	.4
46444G	34	W 93 24.0	N 79 39.1	15XVU492088445		W	1006	670	670		28 7 59		838 3	.6	.6	.6	
46444G	35	W 93 19.5	N 79 38.6	15XVU493788437		W	1219	722	722		28 7 59		970 3	1.1	1.1	1.1	
46444G	36	W 93 23.0	N 79 37.8	15XVU491388422	W	W	1234	335	305	1006	28 7 59	1120 4	668 3	3.5	3.6	4.3	.8

F. ICEBERG BAY

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444F	1	2.81	2.81 3	2.30 3	18	50	.14 3	530112	44000	CHANNELLED BETWEEN 2 ROCK RIDGES	
46444F	2	3.20	3.32 3	3.02 3	9	50	.16 3	535112	44010	DOG-LEG, JOINS 46444F-5	
46444F	3	.02	.02 3	.02 3	0	15	.00 3	700112	44000	POSSIBLY SNOW DRIFT ICE MASS	
46444F	4	.05	.05 3	.05 3	0	15	.00 3	750112	44000	POSSIBLY SNOW DRIFT ICE MASS	
46444F	5	.80	.96 3	.96 3	0	50	.05 3	530112	44000		
46444F	6	4.05	4.05 3	4.05 3	0	50	.20 3	525112	44000	JOINS 46444F-2 AND -10	
46444F	7	.17	.17 3	.17 3	0	15	.00 3	590112	42000	LONG STRIP ON RIDGE CREST	
46444F	8	.70	.70 3	.70 3	0	15	.01 3	655112	42000	JOINS WITH 46444F-18	
46444F	9	.17	.17 3	.17 3	0	15	.00 3	700112	42000	LONG THIN SNOW DRIFT ICE MASS	
46444F	10	1.80	1.80 3	1.80 3	0	50	.09 3	555112	44000	JOINS WITH 46444F-6	
46444F	11	1.60	1.83 3	1.83 3	0	50	.09 3	550112	44010	TRIM LINES VISIBLE	
46444F	12	1.60	1.76 3	1.76 3	0	50	.08 3	555112	42010	JOINS 46444F-13	
46444F	13	1.80	1.90 3	1.90 3	0	50	.09 3	555112	42010	JOINS 46444F-12	
46444F	14	.19	.19 3	.19 3	0	15	.00 3	790112	42000	SMALL REMNANT BETWEEN 4F-13, -15	
46444F	15	10.73	10.73 3	7.82 3	27	125	1.34 3	522112	44000	2 MAIN BASINS	
46444F	16	.83	.83 3	.64 3	23	15	.01 3	650112	44000	SPILL OVER FROM UPPER 4F-15	
46444F	17	.41	.41 3	.41 3	0	15	.01 3	650112	44000	DOES NOT JOIN 46444F-18	
46444F	18	44.30	44.42 3	22.00 3	50	200	8.88 3	410112	44000	THROUGH GLACIER WITH 46444G-30	
46444F	19	.11	.11 3	.11 3	0	15	.00 3	650112	44000	POSSIBLY SNOW DRIFT NOURISHMENT	
46444F	20	.01	.01 3	.01 3	0	15	.00 3	655112	44010	JOINS 46444F-18	
46444F	21	1.62	1.62 3	1.62 3	0	20	.03 3	650112	44000	2 MAIN BASINS	
46444F	22	3.10	3.16 3	3.16 3	0	50	.16 3	525112	44040	JOINS TONGUE OF 46444F-18	
46444F	23	15.60	15.60 3	10.50 3	33	125	.95 3	532112	42000	SLIGHTLY SPLIT TONGUE	
46444F	24	.07	.07 3	.07 3	0	15	.00 3	750112	42000	SMALL ICE MASS ON TOP OF HILL	
46444F	25	.33	.33 3	.33 3	0	15	.00 3	900122	42000	MANY FEATURES LIKE PUSH MORAINE	
46444F	26	.09	.09 3	.09 3	0	15	.00 3	900122	42000		
46444F	27	.70	.70 3	.70 3	0	15	.01 3	650112	42000	LONG THIN ICE MASS	
46444F	28	1.70	1.70 3	1.70 3	0	20	.03 3	650112	42000	IRREGULAR SHAPED ICE MASS 2 BASIN	
46444F	29	.09	.09 3	.09 3	0	15	.00 3	650112	42000	TRIM LINE NEAR SNOUT	
46444F	30	.31	.31 3	.31 3	0	15	.00 3	650112	42000	SHARES DIVIDE WITH 46444F-33	
46444F	31	.20	.20 3	.20 3	0	50	.01 3	403112	42000	SHARES DIVIDE WITH 46444F-33	
46444F	32	.18	.18 3	.18 3	0	15	.00 3	653112	44000	ICE MASS SHARES DIVIDE WITH 4F-33	
46444F	33	7.26	7.26 3	4.44 3	38	125	.91 3	542112	54102	SLIGHT DOG-LEG	BRANT
46444F	34	.90	.90 3	.80 3	11	50	.05 3	535112	42000	ROCK RIDGE DIVIDES FROM 46444F-33	
46444F	35	.31	.31 3	.31 3	0	15	.00 3	650112	44000	2 SMALL BASINS	
46444F	36	.11	.11 3	.11 3	0	15	.00 3	750112	44000	SMALL REMNANT ICE MASS	
46444F	37	.06	.06 3	.06 3	0	15	.00 3	640112	44000	SOME DEBRIS ON SNOUT	
46444F	38	1.81	1.81 3	1.30 3	28	50	.09 3	530112	54001	DOG-LEG, ICE FALL IN UPPER BASIN	CONCEALED
46444F	39	.70	.70 3	.70 3	0	15	.01 3	650212	42000	LONG THIN ICE MASS	
46444F	40	.22	.22 3	.22 3	0	15	.00 3	550112	42000	SMALL THIN ICE MASS BESIDE	
46444F	41	2.80	2.80 3	2.80 3	0	35	.10 3	642112	54011	LOBE NORTH OF TONGUE	FOUNDATION
46444F	42	.08	.08 3	.08 3	0	15	.00 3	750112	42000	ICE MASS AT HEAD OF GULLY	
46444F	43	10.60	10.60 3	7.80 3	26	50	.53 3	642112	54000	4 BASINS, MANY DRAINAGE CHANNELS	MIDNIGHT
46444F	44	.12	.12 3	.12 3	0	15	.00 3	750112	42000	2 ICE MASSES JUST JOINED AT SIDE	
46444F	45	.23	.23 3	.23 3	0	15	.00 3	650112	42000	SMALL NARROW TONGUE	
46444F	46	3.80	3.85 3	3.43 3	11	50	.19 3	542412	42011	MAYBE SOME AVALANCHE NOURISHMENT	
46444F	47	1.10	1.10 3	1.10 3	0	20	.02 3	640112	42010	SLIGHT EXPANSION OF TONGUE	
46444F	48	.24	.24 3	.20 3	17	15	.00 3	653112	44000	JOINS UPPER PART OF 46444F-49	
46444F	49	2.00	2.00 3	1.60 3	20	20	.04 3	640112	44000		
46444F	50	.17	.17 3	.00 3	100	15	.00 3	650112	42000	SMALL LOBE ON NUNATAK	
46444F	51	.23	.23 3	.00 3	100	15	.00 3	703112	42000	SMALL ICE MASS ON NUNATAK	
46444F	52	.12	.12 3	.12 3	0	15	.00 3	770112	42000	SMALL ICE MASS IN DEPRESSION	
46444F	53	1.00	1.00 3	.20 3	80	15	.02 3	655112	42000	JOINS 46444F-56	
46444F	54	3.50	3.50 3	.80 3	77	35	.12 3	655112	42001	JOINS 46444F-56	
46444F	55	3.20	3.20 3	.90 3	72	25	.08 3	300112	42000	OUTLETS DROP OFF TO JOIN 4F-56	
46444F	56	757.00	776.80 3	252.00 3	68	500	388.40 3	414112	66319	EVIDENCE OF PAST SURGE, TIDAL	ICEBERG
46444F	57	2.10	2.10 3	.40 3	81	50	.11 3	530112	42000	JOINS 46444F-58 IN UPPER PART	
46444F	58	1.01	1.01 3	.09 3	91	50	.05 3	530112	42000	SHARED DIVIDE WITH 46444F-57	
46444F	59	2.80	2.80 3	1.70 3	39	50	.14 3	553112	42000	LAKE AT TERMINUS	
46444F	60	9.85	9.85 3	5.65 3	43	125	1.23 3	520112	44006	LORED ICE STREAM	
46444F	61	3.30	3.30 3	3.30 3	0	50	.17 3	530112	44000	DOES NOT JOIN 46444F-56	
46444F	62	5.15	5.15 3	5.15 3	0	125	.64 3	550112	44000	S-SHAPED ICE STREAM	
46444F	63	1.10	1.10 3	1.10 3	0	20	.02 3	670112	44000	MANY LOBES, ONE LONG STREAM	
46444F	64	119.80	124.90 3	39.08 3	69	350	43.71 3	415412	54010	SIMILAR SURGE FEATURES TO 4F-56	FINSTERWALDER
46444F	65	54.60	58.10 3	17.50 3	70	200	11.62 3	515114	44162	JOINS 4F-64, ICE FALL	
46444F	66	.09	.09 3	.09 3	0	15	.00 3	650112	42000	SMALL MASS ON THE SPHINX	
46444F	67	.70	.70 3	.70 3	0	15	.01 3	300112	44000	CARAPACE WITH OUTLET NORTH	
46444F	68	.40	.40 2	.40 2	0	50	.02 3	530112	44010	THIN STREAM JOINS SNOUT TO SOUTH	
46444F	69	.17	.17 2	.17 2	0	15	.00 3	670112	44000		
46444F	70	.24	.24 2	.24 2	0	15	.00 3	300112	44000	JOINS 46444F-69, 2 DOMES	

G. MIDDLE FIORD

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444G	1	4.15	4.15 3	1.83 3	56	50	.21 3	520112	44000	TWO TONGUES DRAIN W. AND NW.	
46444G	2	25.20	25.20 3	15.60 3	38	200	5.04 3	520112	44100	BROAD ICE STREAM, DOG-LEG TONGUE	
46444G	3	21.95	21.95 3	11.35 3	48	200	4.39 3	532112	42010	JOINED BY 46444G- 4	
46444G	4	7.77	7.77 3	4.34 3	44	125	.97 3	535112	44000	EXPANDED FOOT JOINS 46444G-3	
46444G	5	.01	.01 3	.01 3	0	15	.00 3	700112	42000	MAYBE REMNANT NICHE	
46444G	6	.22	.22 3	.22 3	0	15	.00 3	653112	42000	SMALL LOBE FROM 46444G-4	
46444G	7	4.14	4.14 3	1.42 3	66	35	.14 3	640412	42010	2 MAIN STREAMS	
46444G	8	528.00	529.22 3	131.22 3	75	500	264.61 3	410114	44268	ONE OF MAIN W OUTLET FROM ICE CAP	MIDDLE (*)
46444G	9	.19	.19 3	.00 3	100	15	.00 3	700112	42000	ON NUNATAK OF 46444G-8	
46444G	10	.52	.52 3	.30 3	42	15	.01 3	650112	42000	FORMERLY COALESCED WITH 4G-11	
46444G	11	2.44	2.44 3	1.63 3	33	50	.12 3	655112	42001	JOINS WITH 4G-8, DAMS LAKE	
46444G	12	.50	.50 3	.40 3	20	15	.01 3	655112	42000	DEPRESSION BETWEEN 4G-11 AND -13	
46444G	13	5.14	5.14 3	.15 3	97	50	.26 3	640112	42001	TERMINATES IN LAKE	
46444G	14	2.34	2.56 3	1.63 3	36	35	.09 3	655112	42000	2 MAIN BASINS	
46444G	15	2.64	2.64 3	1.01 3	62	35	.09 3	655112	42010	EXPANDED FOOT JOINS 4G-8	
46444G	16	3.56	3.56 3	1.83 3	49	35	.12 3	650112	42000	BROAD ICE SHEET	
46444G	17	.01	.01 3	.00 3	100	15	.00 3	650112	42000	SPILL OVER FROM DIVIDE WITH 4G-16	
46444G	18	.17	.17 3	.00 3	100	15	.00 3	650112	42000	SPILL OVER FROM DIVIDE WITH 4G-20	
46444G	19	.06	.06 3	.06 3	0	15	.00 3	650112	42000	SPILL OVER FROM DIVIDE WITH 4G-20	
46444G	20	24.00	24.00 3	9.50 3	60	200	4.80 3	430114	44100	SNOUT SPLIT BY DRAINAGE CHANNEL	
46444G	21	24.53	24.53 3	3.63 3	85	200	4.91 3	420114	44021	2 STREAMS, 90 DEGREE TURN	
46444G	22	.38	.38 3	.38 3	0	15	.00 3	770112	42000	PROBABLY SNOWDRIFT FORMATION	
46444G	23	.33	.33 3	.33 3	0	15	.00 3	770112	42000	PROBABLY SNOWDRIFT FORMATION	
46444G	24	.91	.91	.51 3	44	15	.00 3	650112	42000	SOME SNOWDRIFT IN VALLEY TO WEST	
46444G	25	13.21	13.21 3	4.85 3	63	125	1.65 3	525114	44111	EXPANDED FOOT JOINS 4G-26	
46444G	26	35.20	35.20 3	14.90 3	58	200	7.04 3	525114	44004	FORMS PIEDMONT WITH 4G-25 AND -30	
46444G	27	.40	.40 3	.40 3	0	50	.02 3	555112	44010	SEPARATED BY MORAINE FROM 4G-30	
46444G	28	.30	.30 3	.30 3	0	15	.00 3	555112	42010	SEPARATED BY MORAINE FROM 4G-30	
46444G	29	1.50	1.74 3	1.10 3	37	15	.00 3	555112	42010	SEPARATED BY MORAINE FROM 4G-30	
46444G	30	19.45	19.45 3	7.25 3	63	125	2.43 3	535112	44000	FORMS PIEDMONT, L-SHAPED GLACIER	
46444G	31	.16	.16 3	.16 3	0	15	.00 3	670112	42000	ALONG RIDGE DIVIDE OF 4G-33	
46444G	32	.16	.16 3	.16 3	0	15	.00 3	670112	42000	BROAD ICE MASS ALONG HILL SLOPE	
46444G	33	.50	.50 3	.50 3	0	15	.00 3	670112	42000	BROAD ICE SHEET	
46444G	34	.09	.09 3	.09 3	0	15	.00 3	650112	42000	2 SMALL ICE FILLED NICHES	
46444G	35	.60	.60 3	.60 3	0	15	.00 3	670112	42000	SNOWDRIFT ICE AREA WITH TONGUE	
46444G	36	6.29	6.63 3	4.25 3	36	125	.83 3	422112	44110	3 MAIN BASINS, FLOW PLANES	

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444H	1	W 94 31.0	N 88 05.1	15XWT470888912		NE	838	762	762		22 7 58		808 3	.2	.2	.2	
46444H	2	W 94 31.5	N 88 05.1	15XWT470688912		SW	838	792	792		22 7 58		808 3	.2	.2	.2	
46444H	3	W 94 32.5	N 88 06.2	15XWT470288932		NW	853	579	579		22 7 58		732 3	2.0	2.0	2.0	
46444H	4	W 94 29.0	N 88 07.0	15XWT471488948		SW	792	747	747		22 7 58		777 3	.2	.2	.2	
46444H	5	W 94 26.5	N 88 07.2	15XWT472288950		NE	838	594	594		22 7 58		716 3	2.0	2.0	2.0	.4
46444H	6	W 94 28.5	N 88 07.5	15XWT471688956		NE	853	792	792		22 7 58		823 3	.2	.2	.2	
46444H	7	W 94 30.0	N 88 07.6	15XWT471288960		W	853	457	457		22 7 58		747 3	1.1	1.1	1.1	.2
46444H	8	W 94 28.0	N 88 07.7	15XWT472088962		E	853	610	610		22 7 58		732 3	.6	.6	.6	
46444H	9	W 94 20.0	N 88 07.5	15XWT474688956		NW	884	274	274		22 7 58		670 3	2.9	2.9	2.9	.3
46444H	10	W 94 22.1	N 88 06.5	15XWT473688937		SW	869	518	518		22 7 58		762 3	1.0	1.0	1.0	
46444H	11	W 94 17.8	N 88 06.5	15XWT475088938		NW	808	610	610		22 7 58		716 3	.6	.6	.6	
46444H	12	W 94 13.8	N 88 06.4	15XWT476488936		N	971	366	366		22 7 58		777 3	3.4	3.4	3.4	.2
46444H	13	W 94 15.0	N 88 05.8	15XWT476088924		SW	971	547	547		22 7 58		823 3	2.1	2.1	2.1	
46444H	14	W 94 19.5	N 88 05.3	15XWT474588916		NE	762	686	686		22 7 58		732 3	.2	.2	.2	
46444H	15	W 94 20.5	N 88 05.2	15XWT474088913		W	762	610	610		22 7 58		732 3	.8	.8	.8	
46444H	16	W 94 10.0	N 88 06.6	15XWT477688938		N	971	564	564		22 7 58		792 3	3.1	3.1	3.1	.5
46444H	17	W 94 10.0	N 88 05.3	15XWT477688916		E	899	823	823		22 7 58		853 3	.2	.2	.2	
46444H	18	W 94 06.3	N 88 05.7	15XWT478688924		NE	792	716	716		22 7 58		747 3	1.4	1.4	1.4	
46444H	19	W 94 07.8	N 88 06.1	15XWT478688935		N	762	533	533		22 7 58		716 3	.8	.8	.8	.3
46444H	20	W 94 05.5	N 88 06.2	15XWT479088932		E	792	716	716		22 7 58		747 3	.3	.3	.3	
46444H	21	W 94 04.5	N 88 06.6	15XWT479288942		NW	975	533	533		22 7 58		762 3	1.5	1.5	1.5	
46444H	22	W 94 05.0	N 88 06.0	15XWT479088927		SE	808	762	762		22 7 58		792 3	.1	.1	.1	
46444H	23	W 94 01.0	N 88 07.1	15XWT480488947		W	975	579	579		22 7 58		823 3	2.5	2.5	2.5	
46444H	24	W 93 58.0	N 88 07.6	15XWT481588956		SE	960	853	853		22 7 58		930 3	.3	.3	.3	
46444H	25	W 93 57.0	N 88 08.0	15XWT481888964		E	853	808	808		22 7 58		838 3	.2	.2	.2	
46444H	26	W 94 09.2	N 88 07.8	15XWT477888976		NW	960	594	594		22 7 58		792 3	1.0	1.0	1.0	
46444H	27	W 94 08.0	N 88 08.2	15XWT478288970		W	975	320	320		22 7 58		838 3	4.0	4.0	4.0	.5
46444H	28	W 93 59.5	N 88 08.5	15XWT481088997		N	975	290	290		22 7 58		762 3	2.9	2.9	2.9	.5
46444H	29	W 94 04.5	N 88 09.0	15XWT479488984		N	853	579	579		22 7 58		762 3	.8	.8	.8	
46444H	30	W 94 04.8	N 88 19.5	15XVV479789126		NW	975	549	549		28 7 59		762 3	1.7	1.7	1.7	
46444H	31	W 94 06.0	N 88 18.4	15XVV479389158		W	975	213	213		28 7 59		594 3	4.6	4.6	4.6	
46444H	32	W 94 04.0	N 88 17.2	15XVV479889135		NW	914	244	244		28 7 59		579 3	3.2	3.2	3.2	
46444H	33	W 94 01.0	N 88 16.4	15XVV480889123		SW	1006	183	183		28 7 59		594 3	6.9	6.9	6.9	
46444H	34	W 93 54.0	N 88 16.5	15XVV483089120		W	975	579	579		28 7 59		777 3	2.3	2.3	2.3	
46444H	35	W 93 50.5	N 88 16.3	15XVV474089116		N	762	670	670		28 7 59		716 3	.3	.3	.3	
46444H	36	W 93 54.2	N 88 15.0	15XVV483089096	W	W	1250	122	122	792	28 7 59	1021 4	457 3	8.7	11.4	11.4	
46444H	37	W 93 44.5	N 88 13.3	15XVV486089064		S	792	549	549		28 7 59		670 3	.5	.5	.5	
46444H	38	W 93 22.5	N 88 12.7	15XVV492589032	SW		1219	762	762		28 7 59	991 4		.0	2.2	2.2	.3
46444H	39	W 93 20.0	N 88 12.5	15XVV493689045	SW		1280	732	732		28 7 59	1006 4		1.6	1.6	1.6	
46444H	40	W 93 17.0	N 88 12.5	15XVV494689046	SW		1311	884	884		28 7 59	1097 4		.0	1.3	1.3	
46444H	41	W 93 12.0	N 88 11.8	15XVV496089032	SW		1219	670	670		28 7 59	945 4		3.3	3.3	3.3	
46444H	42	W 93 33.0	N 88 11.4	15XVV489489022	SW	S	1402	122	122	823	5 8 59	1112 4	472 3	10.1	16.6	16.6	
46444H	43	W 93 12.0	N 88 10.0	15XVV496289000	NW	NW	1097	579	579	823	5 8 59	960 4	701 3	1.2	2.5	2.5	
46444H	43A	W 93 13.0	N 80 09.6	15XVV495888991	W		1097	884	884		5 8 59	990 4		.6	.6	.6	
46444H	44	W 93 09.0	N 88 10.2	15XVV497289022	S		1341	1219	1219		5 8 59	1280 4		.0	1.3	1.3	
46444H	45	W 93 19.0	N 88 08.6	15XVU493888973	NW	NW	1585	213	213	732	5 8 59	1158 4	472 3	9.3	24.3	24.3	
46444H	46	W 93 06.0	N 88 08.5	15XVU498088970	SW	SW	1402	518	518	975	5 8 59	1189 4	747 3	6.3	12.1	12.1	
46444H	47	W 92 56.0	N 88 08.5	15XWU501288972	N	W	1280	762	762	1036	5 8 59	1158 4	900 3	.8	1.5	1.5	
46444H	48	W 92 53.0	N 88 08.1	15XWU502288965	N	W	1539	762	762	770	5 8 59	1150 4	765 3	.5	2.5	2.5	
46444H	49	W 92 59.7	N 88 07.7	15XWU500088956	NW	SW	1524	579	579	1067	5 8 59	1295 4	823 3	1.6	3.6	3.6	
46444H	50	W 92 58.5	N 88 07.2	15XWU500588956	S		1463	1128	1128		5 8 59	1295 4		.0	1.4	1.4	
46444H	51	W 92 56.0	N 88 07.3	15XWU651488904	S		1585	1280	1280		5 8 59	1432 4		.0	1.4	1.4	
46444H	52	W 93 06.0	N 88 05.3	15XVU498288912	NE		1402	762	762		5 8 59	1082 4		.0	2.8	2.8	
46444H	53	W 93 08.0	N 88 06.0	15XVU497588922	N		1280	732	732		5 8 59	1006 4		.0	2.5	2.5	
46444H	54	W 93 11.0	N 88 06.3	15XVU496588927	N		1250	610	610		5 8 59	930 4		.0	2.6	2.6	
46444H	55	W 93 14.5	N 88 07.0	15XVU495488940	N	N	1372	549	549	701	5 8 59	1036 4	640 3	.9	2.5	2.5	
46444H	56	W 93 17.0	N 88 07.4	15XVU495688946	N	N	1250	457	457	640	5 8 59	945 4	549 3	.8	2.1	2.1	
46444H	57	W 93 14.5	N 88 07.3	15XVU493888957	N	N	1250	457	457	640	5 8 59	945 4	549 3	.8	2.8	2.8	
46444H	58	W 93 22.5	N 88 07.8	15XVU492888958	N	NE	1250	396	396	610	5 8 59	930 4	503 3	1.0	2.9	2.9	
46444H	59	W 93 25.0	N 88 07.5	15XVU492088950	N	NE	1250	488	488	549	5 8 59	899 4	518 3	.9	2.3	2.3	
46444H	60	W 93 26.0	N 88 07.1	15XVU491688945	NE	NE	1097	610	610	945	5 8 59	1021 4	777 3	.5	1.4	1.4	
46444H	61	W 93 28.0	N 88 07.3	15XVU491088948		N	823	792	792		5 8 59		808 3	.5	.5	.5	
46444H	62	W 93 29.0	N 88 07.3	15XVU490688950		N	792	732	732		5 8 59		762 3	.4	.4	.4	
46444H	63	W 93 43.0	N 88 09.0	15XVU486388982	NW	NW	1500	122	122	823	28 7 59	1150 4	472 3	10.6	19.9	19.9	1.0
46444H	64	W 93 38.0	N 88 05.0	15XVU488088920	N	W	1097	457	457	823	28 7 59	960 4	640 3	2.0	4.3	4.3	
46444H	65	W 93 37.0	N 88 04.9	15XVU488088904		NW	945	884	884		28 7 59		914 3	.3	.3	.3	
46444H	66	W 93 37.0	N 88 04.7	15XVU488288900		NW	1067	823	823		28 7 59		945 3	.4	.4	.4	
46444H	67	W 93 34.0	N 88 04.5	15XVU489088974		S	1190	975	975		28 7 59		1085 3	.4	.4	.4	
46444H	68	W 93 38.0	N 88 04.1	15XVU487888992		NW	792	701	701		28 7 59		747 3	.8	.8	.8	
46444H	69	W 93 33.0	N 88 03.9	15XVU489388882	W	W	1372	732	732	1128	28 7 59	1250 4	930 3	2.1	3.1	3.1	
46444H	70	W 93 29.5	N 88 03.5	15XVU490588876	W	W	1432	701	701	1280	28 7 59	1356 4	991 3	2.1	2.8	2.8	
46444H	71	W 93 26.0	N 88 02.5	15XVU495688858	SW	SW	1463	610	610	1097	28 7 59	1280 4	853 3	1.8	2.6	2.6	
46444H	72	W 93 23.0	N 88 02.0	15XVU492488848	SW	SW	1402	488	488	1036	28 7 59	1219 4	762 3	3.9	6.3	6.3	
46444H	73	W 93 33.5	N 79 59.9	15XVU489288812	SW	W	1524	274	274	792	28 7 59	1178 4	533 3	7.3	15.3	15.3	
46444H	74	W 93 35.0	N 79 58.8	15XVU486788792	N	N	1006	427	427	823	28 7 59	914 4	625 3	2.1	2.5	2.5	
46444H	75	W 93 28.5	N 79 59.1	15XVU490888798	N	W	914	549	549	792	28 7 59	869 4	670 3	1.6	2.8	2.8	
46444H	76	W 93 31.5	N 79 59.0	15XVU489888796	N	W	1372	244	244	732	28 7 59	1052 4	488 3	2.5	5.3	5.3	
46444H	77	W 93 37.5	N 79 58.4	15XVU488788786		N	1036	945	945		28 7 59		991 3	.3	.3	.3	
46444H	78	W 93 39.0	N 79 58.5	15XVU487488786		N	1097	601	601		28 7 59		853 3	1.3	1.3	1.3	
46444H	79	W 93 38.0	N 79 58.3	15XVU487888784		S	1097	1036	1036		28 7 59		1067 3	.3	.3	.3	
46444H	80	W 93 42.0	N 79 58.2	15XVU484488784		N	945	732	732		28 7 59		838 3	.6	.6	.6	
46444H	81	W 93 44.0	N 79 57.5	15XVU485888770	SW	NW	1402	396	396	1097	28 7 59	1250 4	747 3	3.0	4.5	4.5	
46444H	82	W 93 51.0	N 79 57.8	15XVU483688776	N	N	1097	122	122	701	28 7 59	899 4	411 3	5.6	8.3	8.3	
46444H	83	W 93 55.0	N 79 55.8	15XVU483088740	E		1067	853	853		22 7 58	960 4		.0	.6	.6	
46444H	84	W 94 01.0	N 79 57.8	15XVU480388777	N	E	1128	274	274	914	22 7 58	1021 4	594 3	3.0	3.3	3.3	
46444H	85	W 94 02.0	N 79 59.0	15XVU480088798		N	152	91	91		22 7 58		122 3	.3	.3	.3	
46444H	86	W 94 04.0	N 79 59.0	15XVU479288798		N	152	61	61		22 7 58		107 3	.6	.6	.6	
46444H	87	W 94 06.0	N 79 58.5	15XVU478788787		N	762	457	457		22 7 58		610 3	.3	.3	.3	
46444H	88	W 94 04.5	N 79 58.1	15XVU479088782		N	1097	732	732		22 7 58		914 3	.9	.9	.9	
46444H	89	W 94 15.5	N 79 56.2	15XVU475488744	NW	NW	1128	427	427	823	22 7 58	975 4	625 3	2.5	4.5	4.5	
46444H	90	W 94 14.1	N 79 56.9	15XVU476088760	W	W	975	701	701	823	22 7 58	899 4	762 3	.6	1.2	1.2	
46444H	91	W 94 09.0	N 79 57.2	15XVU477788764	NW	NW	1158	150	150	792	22 7 58	975 4	402 3	5.4	8.4	8.4	
46444H	92	W 94 17.5	N 79 52.0	15XVU474888780		N	610	183	183		22 7 58		396 3	.9	.9	.9	
46444H	93	W 94 25.0	N 79 58.8	15XVU472488792		N	305	10	10		22 7 58		152 3	.5	.5	.5	
46444H	94	W 94 27.0	N 79 59.0	15XVU471788797		N	152	10	10		22 7 58		76 3	.8	.8	.8	
46444H	95	W 94 05.5	N 79 59.7	15XVU478888810		S	183	10	10		22 7 58		183 3	2.1	2.1	2.1	
46444H	96	W 93 51.0	N 88 00.2	15XVU483288818	S	S	1402	122	122	762	22 7 58	1082 4	442 3	2.8	5.0	50	.4
46444H	97	W 93 42.0	N 88 01.5	15XVU486288842	S		1280	914	914		22 7 58	1097 4		.0	.8	08	
46444H	98	W 93 55.5	N 88 01.0	15XVU482088833	SW	NW	1372	732	732	991	22 7 58	1143 4	816 3	2.8	3.4	304	
46444H	99	W 93 39.5	N 88 02.0	15XVU487288850	NE	NE	1341	610	610	1219	28 7 59	1280 4	914 3	1.6	2.1	201	
46444H	100	W 94 06.0	N 88 01.0	15XVU478688846		S	1128	1097	1097		22 7 58		1112 3	.5	.5	05	
46444H	101	W 94 04.0	N 88 01.7	15XVU479288846		E	975	762	762		22 7 58		853 3	1.5	1.5	105	
46444H	102	W 94 08.0	N 88 01.8	15XVU477888848		W	1036	701	701		22 7 58		853 3	2.3	2.3	203	
46444H	103	W 94 05.0	N 88 02.0	15XVU478888862		W	914	579	579		22 7 58		747 3	1.3	1.3	103	
46444H	104	W 94 09.0	N 88 02.7	15XVU477688864		N	945	488	488		22 7 58		716 3	2.1	2.1	201	
46444H	105	W 94 08.0	N 88 02.8	15XVU478088865		NE	945	442	442		22 7 58		693 3	1.5	1.5	105	
46444H	106	W 93 56.5	N 88 02.0	15XVU481688852		N	945	762	762		22 7 58		853 3	.4	.4	.4	
46444H	107	W 93 58.0	N 88 03.0	15XVU481288870	NW	NW	1341	107	107	853	22 7 58	1097 4	480 3	6.3	10.5	10.5	
46444H	108	W 93 40.5	N 88 02.6	15XVU486888862	NE	NE	1097	732	732	1067	28 7 59	1082 4	900 3	1.1	1.2	1.2	
46444H	109	W 93 41.5	N 88 03.5	15XVU486588878	E	N	1219	579	579	1006	28 7 59	1112 4	792 3	2.9	4.0	4.0	
46444H	110	W 93 45.5	N 88 04.0	15XVU485388887	NE	NE	1067	579	579	1006	28 7 59	1037 4	792 3	1.5	2.3	2.3	
46444H	111	W 94 00.0	N 88 04.2	15XVU480688893		NW	762	457	457		28 7 59		610 3	1.0	1.0	1.0	
46444H	112	W 93 48.0	N 88 04.5	15XVU484688898		SE	1280	1219	1219		28 7 59		1250 3	.8	.8	.8	
46444H	113	W 93 56.0	N 88 05.1	15XVU481088910		NW	1204	274	274		28 7 59		740 3	2.9	2.9	2.9	
46444H	114	W 93 46.5	N 88 05.1	15XVU485088810		E	1128	1067	1067		28 7 59		1097 3	1.8	1.8	1.8	
46444H	115	W 93 51.0	N 88 06.1	15XVU483688928		N	1280	457	457		28 7 59		869 3	4.9	4.9	4.9	
46444H	116	W 93 48.0	N 88 06.3	15XVU484788932		NW	914	290	290		28 7 59		602 3	2.1	2.1	2.1	
46444H	117	W 93 56.0	N 88 12.1	15XVU482289042		NE	945	701	701		28 7 59		823 3	2.1	2.1	2.1	

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	TOTAL	ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444H	1	.08	.08 3	.08 3	0	15	.00 3	700112	42000	SMALL ICE MASS JOINED TO 4H-2	
46444H	2	.08	.08 3	.08 3	0	15	.00 3	700112	42000	SHARES DIVIDE WITH 4H-1	
46444H	3	1.89	1.89 3	1.89 3	0	20	.04 3	200112	42000	THIN SHEET WITH SEVERAL OUTLETS	
46444H	4	.12	.12 3	.12 3	0	15	.00 3	670112	42000	SMALL LOBE OFF ICE FIELD	
46444H	5	.95	.95 3	.95 3	0	50	.05 3	550112	42000	BROAD UPPER BASIN. SLIGHT DOG-LEG	
46444H	6	.19	.19 3	.19 3	0	15	.00 3	670112	42000	ICE MASS ON MOUNTAIN RIDGE	
46444H	7	.95	.95 3	.95 3	0	50	.05 3	550313	42000	SLIGHTLY CASCADING STREAM	
46444H	8	.23	.23 3	.23 3	0	15	.00 3	650112	42000	POSSIBLY REMNANT ICE MASS	
46444H	9	3.78	3.78 3	3.78 3	0	50	.19 3	550112	42010	2 BASINS, TRIM LINES	
46444H	10	1.34	1.34 3	1.34 3	0	15	.02 3	670112	42000	BROAD LOBE OF SMALL ICE FIELD	
46444H	11	1.41	1.41 3	1.41 3	0	20	.03 3	670112	42000	BROAD APRON PART OF ICE FIELD	
46444H	12	2.58	2.58 3	2.58 3	0	50	.13 3	550412	42000	THROUGH WITH 4H-13	
46444H	13	1.12	1.12 3	1.12 3	0	20	.02 3	653112	42000	LOBE OFF 4H-12	
46444H	14	.09	.09 3	.09 3	0	15	.00 3	700112	42000	THROUGH WITH 4H-15	
46444H	15	.14	.14 3	.14 3	0	15	.00 3	700112	42000	LONG THIN ICE MASS ALONG SLOPE	
46444H	16	2.33	2.33 3	2.33 3	0	50	.12 3	550112	42001	DOG-LEG STREAM DAMS LAKE	
46444H	17	.26	.26 3	.26 3	0	15	.00 3	773112	42000	POSSIBLY SNOWDRIFT ICE	
46444H	18	.23	.23 3	.23 3	0	15	.00 3	650112	42000	LOBE OFF TOP OF 4H-16	
46444H	19	.45	.45 3	.45 3	0	15	.01 3	650112	42000	STOPS SHORT OF DAMMED LAKE	
46444H	20	.11	.11 3	.11 3	0	15	.00 3	700112	42000	SMALL SNOWDRIFT ICE MASS	
46444H	21	.80	.80 3	.80 3	0	15	.01 3	650112	42000	S-SHAPED. FLOWS TO DAMMED LAKE	
46444H	22	.03	.03 3	.03 3	0	15	.00 3	700112	42000	PROBABLY REMNANT SNOWDRIFT ICE	
46444H	23	1.94	1.94 3	1.94 3	0	20	.04 3	650112	42000	COMPOUND BASIN STREAM TURNS TO W	
46444H	24	.22	.22 3	.22 3	0	15	.00 3	670112	42000	BROAD SHEET ON MOUNTAIN RIDGE	
46444H	25	.16	.16 3	.16 3	0	15	.00 3	670112	42000	SMALL SPILL-OVER LOBE	
46444H	26	.75	.75 3	.75 3	0	15	.01 3	670112	42000	SQUARE PATCH. SOME FLOW FROM -27	
46444H	27	5.44	5.44 3	5.44 3	0	125	.68 3	553113	42002	BROAD, LOBED MAIN STREAM	
46444H	28	2.80	2.80 3	2.80 3	0	50	.14 3	550112	42000	SLIGHT DOG-LEG	
46444H	29	.26	.26 3	.26 3	0	15	.00 3	650112	42000	2 POSSIBLE GLACIERETS ON SLOPE	
46444H	30	3.43	3.43 3	3.43 3	0	50	.17 3	430112	42000	BROAD SHEET TURNS TO NW	
46444H	31	6.55	6.55 3	6.55 3	0	125	.82 3	522412	42000	2 BASINS, SOME DEBRIS ROUND SNOUT	
46444H	32	2.92	2.92 3	2.92 3	0	50	.15 3	530112	42100	SHEAR PLANES ON SNOUT	
46444H	33	10.79	10.79 3	10.79 3	0	125	1.35 3	522414	42100	2 MAIN BASINS. TONGUE NARROWS	
46444H	34	2.02	2.02 3	2.02 3	0	50	.10 3	650112	42000	QUITE BROAD SHEET	
46444H	35	.78	.78 3	.78 3	0	15	.01 3	670112	42000	PROBABLY REMNANT ICE MASS	
46444H	36	54.03	54.03 3	10.75 3	80	200	10.81 3	512113	42000	3 MAJOR BASINS, SPLAYED CHEVASSES	
46444H	37	.19	.19 3	.19 3	0	15	.00 3	700112	42000	PROBABLY REMNANT SNOW PATCH	
46444H	38	1.11	1.11 3	.00 3	100	15	.02 3	653112	42000	SMALL BASIN SEPARATE FROM 4H-36	
46444H	39	1.11	1.11 3	1.11 3	0	20	.02 3	532212	42000	SNOUT SPREADS AROUND ROCK KNOB	
46444H	40	.81	.81 3	.00 3	100	15	.01 3	552112	42000	LONG THIN ICE MASS TOUCHES 4H-41	
46444H	41	1.61	1.61 3	1.61 3	0	50	.08 3	535112	42000	TRIBUTARY TO 46444H-42	
46444H	42	93.14	93.14 3	19.35 3	79	200	18.63 3	412112	42002	2 MAJOR STREAMS. DAMS LARGE LAKE	
46444H	43	.91	.91 3	.30 3	67	15	.01 3	670112	42000	BROAD SHEET OF ICE	
46444H	43A	.22	.22 3	.22 3	0	15	.00 3	650112	42000	IN VALLEY SOUTH OF 4H-43	
46444H	44	1.40	1.40 3	.00 3	100	20	.03 3	650112	42000	LOBE FROM 46444H-36	
46444H	45	166.54	166.54 3	15.02 3	91	250	40.63 3	412112	42042	4H-46 AND 52-58 ALL JOIN AS TRIBS	
46444H	46	31.55	31.55 3	7.16 3	77	200	6.31 3	525112	42020	JOINED BY 4H-49	
46444H	47	.90	.90 3	.50 3	44	50	.04 3	535112	42000	JOINS WITH 4H-46	
46444H	48	1.98	1.98 3	.09 3	96	50	.10 3	535112	42000	SHARES DIVIDE WITH 4H-47. JOINS 46	
46444H	49	3.63	3.63 3	1.31 3	64	50	.18 3	535112	42020	LARGE ACCU. BASIN. JOINS 4H-46	
46444H	50	.50	.50 3	.00 3	100	15	.01 3	670112	42000	FLOWS OFF DIVIDE WITH 4H-49	
46444H	51	.30	.30 3	.00 3	100	15	.00 3	650112	42000	SHARES DIVIDE WITH 46444H-49	
46444H	52	1.41	1.41 3	.00 3	100	50	.07 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	53	1.81	1.81 3	.00 3	100	50	.09 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	54	2.22	2.22 3	.00 3	100	50	.11 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	55	1.81	1.81 3	.60 3	67	50	.09 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	56	1.10	1.10 3	.40 3	64	50	.06 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	57	1.91	1.91 3	.50 3	74	50	.10 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	58	1.80	1.80 3	.70 3	61	50	.09 3	535212	42010	TRIBUTARY TO 46444H-45	
46444H	59	1.41	1.41 3	.50 3	65	50	.07 3	535212	42000	JOINS 46444H-58	
46444H	60	.60	.60 3	.40 3	33	15	.01 3	650112	42000	LONG THIN ICE MASS JOINS 4H-61	
46444H	61	.20	.20 3	.20 3	0	15	.00 3	770117	42000	THIN ICE SHEET BETWEEN 4H-60/62	
46444H	62	.20	.20 3	.20 3	0	15	.00 3	770112	42000	LOBE JOINING 4H-63	
46444H	63	60.08	60.08 3	18.04 3	70	200	12.02 3	422112	42033	OUTLET FROM N. PART OF ICE CAP	
46444H	64	6.85	6.85 3	4.03 3	41	125	.86 3	422112	42000	SMALL OUTLET OFF 46444H-63	
46444H	65	.62	.62 3	.62 3	0	15	.01 3	700112	42000	TRIANGULAR SHAPED ICE MASS	
46444H	66	.62	.62 3	.62 3	0	15	.01 3	700112	42000	LONG DIRTY ICE MASS	
46444H	67	.94	.94 3	.94 3	0	15	.01 3	700112	42000	SMALL SPILL-OVER LOBE	
46444H	68	2.65	2.65 3	2.65 3	0	35	.09 3	770112	42000	IRREGULAR SHAPED ICE MASS	
46444H	69	2.26	2.26 3	1.71 3	24	50	.11 3	650112	42000	VERY BROAD ICE MASS	
46444H	70	2.32	2.32 3	1.41 3	39	50	.12 3	650112	42000	BROAD ICE MASS WITH THIN SNOUT	
46444H	71	1.40	1.40 3	.70 3	50	50	.07 3	535112	42000	JOINS WITH 46444H-72	
46444H	72	9.27	9.27 3	5.14 3	44	125	1.16 3	532112	42001	TRIANGULAR SNOUT JOINS 4H-71/73	
46444H	73	58.46	58.46 3	17.44 3	70	200	11.69 3	410112	42021	3 MAIN BASINS. DRAINS ICE CAP	
46444H	74	1.10	1.10 3	.70 3	36	50	.06 3	535112	42010	JOINS 4H-73 AND -76	
46444H	75	1.00	1.00 3	.70 3	30	50	.05 3	535112	42010	FLOWS BESIDE TRIB. OF 4H-73	
46444H	76	4.23	4.23 3	1.21 3	71	125	.53 3	535112	42000	JOINS 4H-73	
46444H	77	.20	.20 3	.20 3	0	15	.00 3	650112	42000	NICHE BETWEEN 4H-74 AND -78	
46444H	78	.50	.50 3	.50 3	0	15	.01 3	650112	42000	SLIGHT DOG-LEG	
46444H	79	.20	.20 3	.20 3	0	15	.00 3	650112	42000	NICHE BETWEEN 4H-74 AND -81	
46444H	80	1.09	1.09 3	1.09 3	0	20	.02 3	650112	42000	ICE MASS IN WIDE GULLY	
46444H	81	6.65	6.65 3	3.63 3	45	125	.83 3	520112	42020	2 MAIN STREAMS	
46444H	82	40.82	40.82 3	15.02 3	63	200	8.16 3	412112	42021	4 BASINS. THROUGH WITH 4G-9	
46444H	83	.50	.50 3	.00 3	100	15	.01 3	655112	42000	JOINS UPPER PART OF 4H-82	
46444H	84	3.23	3.23 3	1.21 3	62	50	.16 3	530112	42000	S-SHAPED GLACIER	
46444H	85	1.56	1.56 3	1.56 3	0	20	.03 3	900120	42100		
46444H	86	2.03	2.03 3	2.03 3	0	20	.04 3	900120	42000		
46444H	87	1.40	1.40 3	1.40 3	0	20	.03 3	770112	42000		
46444H	88	.60	.60 3	.60 3	0	15	.01 3	670112	42000	SOMEWHAT LIKE CARAPACE	
46444H	89	4.34	4.34 3	1.92 3	56	125	.54 3	532112	42000	LOBES ON S SIDE	
46444H	90	1.71	1.71 3	1.01 3	41	20	.03 3	673112	42000	BROAD LOBE OFF 4H-91	
46444H	91	10.28	10.28 3	1.11 3	89	200	2.06 3	522414	42050	3 BASINS	
46444H	92	2.03	2.03 3	2.03 3	0	35	.07 3	700112	42000		
46444H	93	2.34	2.34 3	2.34 3	0	20	.05 3	900120	42000		
46444H	94	2.18	2.18 3	2.18 3	0	20	.04 3	900120	42000		
46444H	95	.40	.40 3	.40 3	0	20	.01 3	900120	42000	LARGE GROUP ON VALLEY SIDE	
46444H	96	3.40	3.40 3	2.80 3	18	50	.17 3	520112	42010	SLIGHT DOG-LEG STREAM	
46444H	97	2.18	2.18 3	.00 3	100	35	.08 3	650112	42000	SMALL LOBE OFF TOP OF 4H-107	
46444H	98	4.94	4.94 3	3.43 3	30	125	.62 3	520112	42001	ONE BASIN FEEDS NEAR SNOUT	
46444H	99	2.01	2.01 3	1.61 3	20	20	.00 3	650412	42000	ICE MASS IN WIDE GULLY	
46444H	100	.30	.30 3	.30 3	0	15	.03 3	673112	42000	BROAD ICE LOBE OFF SMALL ICEFIELD	
46444H	101	.30	.30 3	.30 3	0	15	.00 3	653112	42000	ICE APRON AND SMALL TONGUE	
46444H	102	2.82	2.82 3	2.82 3	0	20	.06 3	650112	42000	PART OF SMALL ICE FIELD	
46444H	103	.30	.30 3	.30 3	0	15	.00 3	770112	42000	LONG NARROW ICE MASS	
46444H	104	.50	.50 3	.50 3	0	20	.01 3	700112	42000	SOME FLOW DIRECTION NORTH	
46444H	105	.30	.30 3	.30 3	0	15	.00 3	700112	42000	NARROW STRIP ATTACHED TO 4H-104	
46444H	106	1.40	1.40 3	1.40 3	0	20	.03 3	700112	42000	SMALL TRIANGULAR SHAPED ICE MASS	
46444H	107	27.12	27.12 3	12.16 3	55	200	5.42 3	520112	42102	DRAINS ICE FIELD. DOG-LEG SNOUT	
46444H	108	.80	.80 3	.60 3	25	15	.01 3	650112	42000	PARTLY SPILL OVER FROM 46444H-109	
46444H	109	2.72	2.72 3	1.81 3	33	50	.14 3	430412	42003	BROAD ACCU AREA DOG-LEG SNOUT	
46444H	110	1.81	1.81 3	1.31 3	28	50	.09 3	430412	42000	SHARES DIVIDE WITH 46444H-107	
46444H	111	3.28	3.28 3	3.28 3	0	35	.11 3	700112	42000	LONG THIN ICE MASS IN GULLY	
46444H	112	1.09	1.09 3	1.09 3	0	20	.02 3	670112	42000	SMALL SPILL OVER FROM 4H-115	
46444H	113	2.52	2.52 3	2.52 3	0	50	.13 3	520112	42110	2 BASINS ICE FALL COULD DEVELOP	
46444H	114	2.65	2.65 3	2.65 3	0	35	.09 3	670112	42000	LONG STRIP BESIDE 46444H-115	
46444H	115	5.54	5.54 3	5.54 3	0	125	.69 3	530112	42100	SOME FEEDING TO 46444H-116	
46444H	116	1.41	1.41 3	1.41 3	0	50	.07 3	530112	42101	DOG-LEG OFF 4H-115 DAMS LAKE	
46444H	117	1.60	1.60 3	1.60 3	0	25	.04 3	300112	42000	SOME CHANNELLING ON NORTH SIDE	

J. BUNDE FIORD

"See List of Abbreviations on page 59"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	ELEVATIONS SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444J	1	W 93 49.0	N 80 18.3	15XVV484589156	NE	NE	1075	670	670	790	28 7 59	840 4	710 3	1.6	1.6	3.1	
46444J	2	W 93 46.5	N 80 18.8	15XVV485589165	W	W	980	670	670	830	28 7 59	915 4	780 3	1.3	1.3	1.8	
46444J	3	W 93 48.0	N 80 19.7	15XVV485089180	NW	W	960	740	740	890	28 7 59	955 4	840 3	.9	.9	1.3	
46444J	4	W 94 00.5	N 80 20.5	15XVV481089197		E	820	760	760		28 7 59		790 3	.4	.4	.4	
46444J	5	W 94 05.0	N 80 20.9	15XVV479689206		NW	960	455	455		28 7 59		770 3	3.6	3.6	3.6	
46444J	6	W 94 06.0	N 80 21.9	15XVV479489224		NE	610	380	380		28 7 59		495 3	.8	.8	.8	
46444J	7	W 94 05.0	N 80 21.8	15XVV477789222		NE	610	440	440		28 7 59		525 3	.4	.4	.4	
46444J	8	W 94 03.0	N 80 21.5	15XVV480389217		N	760	335	335		28 7 59		600 3	1.6	1.6	1.6	
46444J	9	W 93 55.0	N 80 20.8	15XVV482689202	N	N	1075	270	270	720	28 7 59	850 4	590 3	3.1	6.3	6.3	
46444J	10	W 93 49.0	N 80 21.0	15XVV484889206	N	N	990	445	445	800	28 7 59	915 4	720 3	2.3	3.8	3.8	
46444J	11	W 93 41.5	N 80 21.0	15XVV487089204	N	N	1065	290	275	800	28 7 59	915 4	715 3	2.0	2.7	2.9	
46444J	12	W 93 37.3	N 80 20.4	15XVV488389194	NE	NE	930	410	410	800	28 7 59	840 4	610 3	1.4	1.9	1.9	
46444J	13	W 93 33.4	N 80 19.6	15XVV489489179	N	N	1260	150	150	765	28 7 59	960 4	490 3	5.5	11.0	11.0	
46444J	14	W 93 27.5	N 80 19.2	15XVV491489171	NW	NW	1065	715	715	820	28 7 59	915 4	760 3	5.0	1.6	1.6	1.3
46444J	15	W 93 26.7	N 80 19.6	15XVV491689179		NE	780	520	520		28 7 59		650 3	.9	.9	.9	
46444J	16	W 93 21.0	N 80 19.2	15XVV493589171	N	N	1265	395	395	745	28 7 59	1005 4	565 3	1.9	5.6	5.6	
46444J	17	W 93 14.3	N 80 19.1	15XVV495489168	N	NW	1160	442	442	760	25 7 59	870 4	640 3	2.5	2.5	4.6	.6
46444J	18	W 93 10.7	N 80 19.3	15XVV496589173	N	NW	1550	274	274	770	25 7 59	1080 4	580 3	5.8	5.8	13.8	1.4
46444J	19	W 93 02.5	N 80 17.9	15XVV499189145	NW	N	1550	560	560	1000	25 7 59	1210 4	732 3	8.1	8.1	13.1	1.2

K. NORTHERN ICE CAP

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	ELEVATIONS HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	ELEVATIONS SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444K	1	W 93 04.5	N 80 21.2	15XVV498689208	SW	W	1676	244	244	945	13 8 59	1219 4	594 3	9.9	15.9	15.9	1.5
46444K	2	W 93 16.5	N 80 21.8	15XVV494989218	W	SW	975	290	290	969	13 8 59	937 4	732 3	3.0	4.2	4.2	.4
46444K	3	W 93 17.5	N 80 22.6	15XVV494689234	S		1015	884	884		13 8 59	945 4		.0	.2	.2	
46444K	4	W 93 23.0	N 80 22.7	15XVV492889236	SW	SW	1250	152	152	853	13 8 59	1006 4	670 3	4.2	8.0	8.0	.6
46444K	5	W 93 33.5	N 80 25.0	15XVV489589281	W	W	1372	107	107	823	5 8 59	1067 4	579 3	6.2	12.0	12.0	.9
46444K	6	W 93 30.5	N 80 26.4	15XVV490589305	W	W	1402	244	244	792	5 8 59	1158 4	655 3	4.4	10.8	10.8	.8
46444K	7	W 93 26.0	N 80 27.3	15XVV492089324		W	975	808	808		13 8 59		945 3				
46444K	8	W 93 28.2	N 80 28.0	15XVV491289337		N	975	488	488		5 8 59		732 3	1.9	1.9	1.9	
46444K	9	W 93 21.5	N 80 28.9	15XVV493389345	NW	NW	1280	610	610	823	13 8 59	1082 4	762 3	1.0	5.1	5.1	
46444K	10	W 93 29.0	N 80 29.2	15XVV491089359		W	762	716	716		13 8 59		747 3	.8	.8	.8	
46444K	11	W 93 24.5	N 80 29.8	15XVV492489370	W	W	1233	290	290	777	13 8 59	1221 4	594 3	3.9	9.2	9.2	1.1
46444K	12	W 93 13.0	N 80 30.8	15XVV496089387	SW	SW	1295	899	899	991	13 8 59	1219 4	930 3	.5	2.1	2.1	
46444K	13	W 93 26.0	N 80 31.4	15XVV492089398		SW	1067	602	602		13 8 59		762 3	2.5	2.5	2.5	
46444K	14	W 93 31.0	N 80 32.1	15XVV490589410	N	N	899	594	594	732	13 8 59	747 4	686 3	1.0	1.8	1.8	
46444K	15	W 93 35.0	N 80 32.3	15XVV489289416		N	610	457	457		5 8 59		533 3	.6	.6	.6	
46444K	16	W 93 31.5	N 80 33.3	15XVV490389435	W	W	945	594	594	823	5 8 59	869 4	762 3	1.5	2.2	2.2	
46444K	17	W 93 32.0	N 80 33.8	15XVV490089443		W	823	732	732		5 8 59		777 3	.6	.6	.6	
46444K	18	W 93 38.0	N 80 33.8	15XVV488489444		SW	640	579	579		5 8 59		610 3	1.1	1.1	1.1	
46444K	19	W 93 32.5	N 80 34.3	15XVV490089452	NW	NW	1050	610	610	853	5 8 59	899 4	762 3	2.1	3.0	3.0	
46444K	20	W 93 29.5	N 80 34.6	15XVV491089458		W	884	823	823		5 8 59		853 3	.2	.2	.2	
46444K	21	W 93 30.8	N 80 35.1	15XVV490689468		W	930	510	510		5 8 59		823 3	1.4	1.4	1.4	
46444K	22	W 93 34.0	N 80 35.9	15XVV489789481		W	732	549	549		5 8 59		610 3	1.4	1.4	1.4	
46444K	23	W 93 42.5	N 80 36.7	15XVV487189496		NW	762	450	450		5 8 59		610 3	1.1	1.1	1.1	
46444K	24	W 93 39.0	N 80 37.3	15XVV488389509		N	792	305	305		28 7 59		549 3	1.8	1.8	1.8	
46444K	25	W 93 28.5	N 80 36.1	15XVV491389487		N	945	305	305		5 8 59		579 3	.2	.2	.2	
46444K	26	W 93 28.5	N 80 36.1	15XVV491389487		N	945	305	305		13 8 59		670 3	2.5	2.5	2.5	
46444K	27	W 93 27.0	N 80 35.5	15XVV491789476		NE	945	457	457		13 8 59		701 3	1.9	1.8	1.8	
46444K	28	W 93 27.0	N 80 35.0	15XVV491789467		E	975	610	610		13 8 59		792 3	.8	.8	.8	
46444K	29	W 93 26.0	N 80 34.6	15XVV492089460		NE	975	457	457		13 8 59		732 3				
46444K	30	W 93 21.5	N 80 34.0	15XVV493489448	NE	N	960	427	427	792	13 8 59	869 4	610 3	2.0	3.2	3.2	
46444K	31	W 93 16.5	N 80 33.5	15XVV495089436	N	N	1340	564	564	853	13 8 59	1036 4	777 3	2.9	5.6	5.6	
46444K	32	W 93 09.0	N 80 33.3	15XVV497389434	N	NW	1311	670	670	914	13 8 59	1036 4	823 3	2.5	5.0	5.0	
46444K	33	W 93 19.6	N 80 38.7	15XVV494089535		N	701	564	564		13 8 59		655 3	.6	.6	.6	
46444K	34	W 93 06.5	N 80 34.8	15XWV498089462		N	945	594	594		17 8 59		762 3	1.8	1.8	1.8	
46444K	35	W 93 02.5	N 80 34.3	15XWV499289452		NE	975	610	610		17 8 59		1128 3	1.6	1.6	1.6	
46444K	36	W 93 01.0	N 80 33.9	15XWV499889444		NE	1006	594	594		17 8 59		823 3	2.1	2.1	2.1	
46444K	37	W 92 58.5	N 80 33.2	15XWV500689434		NE	1021	701	701		17 8 59		853 3	2.4	2.4	2.4	
46444K	38	W 92 49.5	N 80 32.8	15XWV503289426	N	N	1006	732	732	975	17 8 59	991 4	869 3	1.4	1.6	1.6	
46444K	39	W 92 57.0	N 80 32.5	15XWV501089402	NE	NE	1340	732	732	960	17 8 59	1204 4	884 3	1.6	6.6	6.6	
46444K	40	W 92 50.0	N 80 34.8	15XWV503089461	NE	NE	1158	823	823	1097	17 8 59	1112 4	960 3	.6	.9	.9	
46444K	41	W 92 50.0	N 80 35.8	15XWV503089479		NW	1128	762	762		17 8 59		991 3	.6	.6	.6	
46444K	42	W 92 46.5	N 80 36.5	15XWV504289492	N	N	1128	610	610	1067	17 8 59	1094 4	853 3	1.9	2.6	2.6	
46444K	43	W 92 41.0	N 80 36.2	15XWV505789486		E	1067	838	838		17 8 59		914 3	1.0	1.0	1.0	
46444K	44	W 92 45.5	N 80 35.5	15XWV504489474	SE	SE	1128	853	853	1097	17 8 59	1112 4	991 3	.9	1.1	1.1	
46444K	45	W 92 44.0	N 80 32.5	15XWV505089418		NE	1112	1036	1036		28 7 59		1067 3	.3	.3	.3	
46444K	46	W 92 41.0	N 80 32.2	15XWV505789413		E	1200	792	792		28 7 59		1067 3	.9	.9	.9	
46444K	47	W 92 39.0	N 80 31.8	15XWV506489405		NE	1112	762	762		28 7 59		945 3	1.0	1.0	1.0	
46444K	48	W 92 45.0	N 80 30.3	15XWV504689378		N	1006	884	884		17 8 59		960 3	.6	.6	.6	
46444K	49	W 92 43.0	N 80 30.2	15XWV505389377		NE	991	823	823		17 8 59		884 3	.8	.8	.8	
46444K	50	W 92 37.0	N 80 29.5	15XWV507189364	NE	NE	1554	457	457	1067	28 7 59	1189 4	914 3	8.8	18.1	18.1	3.1
46444K	51	W 92 10.0	N 80 35.6	15XWV515389482		N	747	701	701		28 7 59		724 3	.5	.5	.5	
46444K	52	W 92 08.0	N 80 36.0	15XWV516089486		NW	747	701	701		28 7 59		724 3	.4	.4	.4	
46444K	53	W 92 26.0	N 80 29.0	15XWV510589355		N	1128	1052	1052		28 7 59		1112 3	.9	.9	.9	
46444K	54	W 92 19.0	N 80 28.0	15XWV012689339	E	E	1128	594	594	1112	28 7 59	1120 4	914 3	3.8	4.4	4.4	
46444K	55	W 92 12.0	N 80 27.2	15XWV515089321	NE	NE	1280	579	579	1112	28 7 59	1189 4	975 3	5.2	8.0	8.0	
46444K	56	W 92 12.0	N 80 26.8	15XWV515089306		NE	1128	853	853		28 7 59		1006 3	1.1	1.1	1.1	
46444K	57	W 92 08.0	N 80 26.4	15XWV516389308		NE	914	792	792		28 7 59		884 3	.5	.5	.5	
46444K	58	W 92 02.0	N 80 24.8	15XWV517989277	NE	NE	1676	396	396	1189	28 7 59	1372 4	914 3	9.4	17.6	17.6	
46444K	59	W 91 59.0	N 80 21.8	15XWV519189220	E	E	1400	594	594	1128	28 7 59	1250 4	975 3	3.9	8.9	8.9	
46444K	60	W 92 01.0	N 80 20.0	15XWV518789187	E	E	1432	914	914	1189	28 7 59	1280 4	1036 3	1.0	1.4	1.4	
46444K	61	W 91 52.5	N 80 20.2	15XWV521189192		E	1120	914	914		13 8 59		1021 3	.8	.8	.8	
46444K	62	W 92 00.5	N 80 19.5	15XWV518689178		NE	880	700	700		28 7 59		777 3	1.2	1.2	1.2	
46444K	63	W 91 55.5	N 80 19.4	15XWV520289177		E	1097	853	853		13 8 59		1006 3	.9	.9	.9	
46444K	64	W 92 03.5	N 80 17.8	15XWV517889147	SE	SE	1600	518	518	1067	28 7 59	1280 4	792 3	6.2	11.0	11.0	
46444K	65	W 91 48.5	N 80 17.0	15XWV522589133		NW	1189	899	899		13 8 59		1067 3	.8	.8	.8	
46444K	66	W 91 39.0	N 80 17.9	15XWV522589151		NE	1006	610	610		13 8 59		1036 3	1.5	1.5	1.5	
46444K	67	W 91 43.0	N 80 17.3	15XWV524389138	E	E	1245	549	549	1143	13 8 59	1173 4	1036 3	2.9	3.5	3.5	
46444K	68	W 91 38.0	N 80 16.5	15XWV525989123		NE	1036	792	792		13 8 59		945 3	2.0	2.0	2.0	
46444K	69	W 92 10.0	N 80 15.8	15XWV515889109	SE	SE	1189	899	899	1067	28 7 59	1112 4	991 3	1.4	2.6	2.6	
46444K	70	W 92 13.0	N 80 15.0	15XWV514889095	SE	SE	1250	853	853	1112	28 7 59	1143 4	1006 3	1.4	2.1	2.1	
46444K	71	W 92 15.0	N 80 14.6	15XWV514189087	SE	SE	1250	1020	1020	1219	28 7 59	1234 4	1112 3	.8	1.0	1.0	
46444K	72	W 92 21.0	N 80 14.6	15XWV512389088	NW	NW	1250	899	899	1158	28 7 59	1219 4	1082 3	1.6	1.9	1.9	
46444K	73	W 92 20.5	N 80 16.1	15XWV512489114	W	SW	1189	884	884	1128	28 7 59	1173 4	1006 3	2.5	3.5	3.5	
46444K	74	W 92 26.5	N 80 16.7	15XWV510589105		W	1006	945	945		28 7 59		960 3	.8	.8	.8	
46444K	75	W 92 28.5	N 80 16.2	15XWV510089116	W	W	1158	975	975	1082	28 7 59	1112 4	1036 3	.6	.8	.8	
46444K	76	W 92 28.0	N 80 16.7	15XWV510189125	W	NW	1158	930	930	1097	28 7 59	1128 4	1067 3	.5	.8	.8	
46444K	77	W 92 27.5	N 80 16.8	15XWV510289128	W	W	1158	762	762	1112	28 7 59	1143 4	1036 3	.9	1.1	1.1	
46444K	78	W 92 38.0	N 80 17.3	15XWV506989137		NW	991	732	732		17 8 59		884 3	1.1	1.1	1.1	
46444K	79	W 92 37.5	N 80 16.5	15XWV507089121		N	1219	762	762		17 8 59		1036 3	1.0	1.0	1.0	
46444K	80	W 92 37.0	N 80 16.2	15XWV506989113		E	1219	762	762		17 8 59		1036 3	1.4	1.4	1.4	
46444K	81	W 92 42.0	N 80 16.0	15XWV505789113		NW	1067	884	884		17 8 59		838 3	.8	.8	.8	
46444K	82	W 92 41.0	N 80 17.3	15XWV505789136		N	1280	716	716		17 8 59		884 3	2.0	2.0	2.0	
46444K	83	W 92 48.0	N 80 15.8	15XWV503989107		NE	1082	914	914		17 8 59		991 3	1.1	1.1	1.1	
46444K	84	W 92 47.5	N 80 16.4	15XWV504089118	SE	SE	1128	945	945	1067	17 8 59	1082 4	1036 3	.6	.8	.8	
46444K	85	W 92 53.0	N 80 17.4	15XWV502289136	NW	NW	1128	457	457	1082	17 8 59	1097 4	945 3	3.0	3.2	3.2	
46444K	86	W 92 50.0	N 80 17.5	15XWV503189137		NW	1082	716	716		17 8 59		914 3	1.6	1.6	1.6	
46444K	87	W 92 47.5	N 80 17.6	15XWV503989141		N	1082	716	716		17 8 59		884 3	1.4	1.4	1.4	
46444K	88	W 92 40.0	N 80 17.0	15XWV504589130		SE	1082	1006	1006		17 8 59		1036 3	1.2	1.2	1.2	.3
46444K	89	W 92 47.0	N 80 16.8	15XWV504289124	SE	SE	1082	899	899	1036	17 8 59	1052 4	975 3	1.1	1.2	1.2	
46444K	90	W 92 39.0	N 80 18.0	15XWV506589152	SW	W	1524	579	579	1219	25 7 59	1341 4	853 3	7.5	10.5	10.5	
46444K	91	W 92 46.0	N 80 19.3	15XWV504589174	SW	SW	1550	579	579	1169	17 8 59	1311 4	975 3	4.1	5.9	5.9	
46444K	92	W 92 52.5	N 80 19.915	XWV502389186	SW	SW	1560	579	579	1204	17 8 59	1326 4	853 3	3.0	5.0	5.0	
46444K	93	W 92 56.0	N 80 20.815	XWV501389199		S	1300	914	914		17 8 59		1200 3	1.2	1.2	1.2	

J. BUNDE FIORD

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444J	1	7.16	7.16 3	4.33 3	40	30	.21 3	204112	42000	POLYGONAL ICE MASS FLOW UNCLEAR	
46444J	2	1.28	2.28 3	1.08 3	53	35	.08 3	670112	42000	3 MAIN TRIBUTARIES	
46444J	3	1.25	1.25 3	.56 3	55	20	.03 3	670112	42000	2 BASINS, JOINS PART OF 4J-1	
46444J	4	.22	.22 3	.22 3	0	15	.00 3	650112	42000	SMALL LOBE LIKE FEATURE OFF 4J-5	
46444J	5	4.70	4.70 3	4.70 3	0	50	.24 3	530112	42000	WALL-SIDED TONGUE TRIMLINES	
46444J	6	.12	.12 3	.12 3	0	15	.00 3	700112	42000	SMALL ELONGATED ICE PATCH	
46444J	7	.06	.06 3	.06 3	0	15	.00 3	700112	42000	OVAL ICE PATCH	
46444J	8	.47	.47 3	.47 3	0	15	.01 3	770112	42000	CRESCENT SHAPED, JOINS 46444J-5	
46444J	9	11.09	11.09 3	2.92 3	74	75	.83 3	520112	42000	2 BASINS, WEDGE SHAPED TONGUE	
46444J	10	2.62	2.62 3	1.41 3	46	50	.13 3	530112	42000	BROAD ABLA AREA GOES TO THIN ICE	
46444J	11	1.98	2.16 3	1.66 3	23	35	.08 3	650112	42010	2 NICHE GLACIERS COALESCE	
46444J	12	.69	.69 3	.48 3	30	15	.01 3	650112	42000	LONG ICE FILLED GULLY	
46444J	13	27.82	28.02 3	8.87 3	68	200	5.60 3	522112	42110	BULBOUS TONGUE, SPLAYED CREVASSES	
46444J	14	1.11	1.11 3	.22 3	80	20	.02 3	650112	42000	PROBABLY ONCE LOBE OF 46444J-13	
46444J	15	.22	.22 3	.22 3	0	15	.00 3	750112	42000		
46444J	16	7.66	7.66 3	1.41 3	82	75	.57 3	520112	42001	2 STREAMS JOIN ROUND NUNATAK	
46444J	17	3.33	3.33 3	1.41 3	58	50	.17 3	535112	42010	SEPARATED FROM 4J-18 BY MORAINE	
46444J	18	27.22	27.22 3	7.36 3	73	200	5.44 3	535114	42011	JOINS 4J-17 AND 4K-1, LARGE LAKE	
46444J	19	48.98	48.98 3	23.28 3	52	200	9.80 3	524112	42012	5 BASINS, JOINS 4K-1,V.LARGE LAKE	

K. NORTHERN ICE CAP

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444K	1	77.31	77.31 3	21.47 3	72	200	15.46 3	415114	42007	2 MAIN BASINS. DOG-LEG JOINS 4J	
46444K	2	3.93	3.93 3	1.41 3	64	50	.20 3	535112	42001	FLOW PLANES, TRIM LINES, DOG-LEG	
46444K	3	.12	.12 3	.00 3	100	50	.01 3	403112	42000	SPILL OVER FROM ICE CAP	
46444K	4	12.30	12.30 3	3.53 3	71	125	1.54 3	423112	42112	DRAINS ICE CAP, LOBE TO NORTH	
46444K	5	24.80	24.80 3	8.77 3	65	200	4.96 3	433112	42000	DRAINS ICE CAP, EXPANDED FOOT	
46444K	6	23.09	23.09 3	5.95 3	74	200	4.62 3	433112	42001	LOBE TO NORTH. TRIM LINES	
46444K	7	.19	.19 3	.19 3	0	15	.00 3	780112	42000	4 PATCHES, 3 ON N SIDE OF RIDGE	
46444K	8	1.20	1.25 3	1.25 3	0	20	.02 3	205112	42000	FLOW CHANNELLED, JOINS 4K-9	
46444K	9	8.77	8.81 3	1.81 3	79	125	1.10 3	435112	42000	DIRTY TONGUE JOINS 4K-11	
46444K	10	.11	.11 3	.11 3	0	15	.00 3	670112	42000	AT BASE OF HILL SLOPE	
46444K	11	20.97	20.97 3	4.44 3	79	200	4.19 3	430114	42002	DRAINS ICE CAP, SHEAR PLANES	
46444K	12	1.09	1.09 3	.26 3	76	20	.02 3	655112	42000	JOINS 4K-11, EVIDENCE OF TRIMLINE	
46444K	13	1.01	1.01 3	1.01 3	0	20	.02 3	650112	42000	SNOUT MAY SEPARATE TO REMNANT	
46444K	14	3.93	3.93 3	3.02 3	23	25	.10 3	320112	42001	STREAM TO N JOINS THAT FROM BASIN	
46444K	15	.11	.11 3	.11 3	0	15	.00 3	700112	42000		
46444K	16	1.40	1.40 3	.70 3	50	20	.03 3	650112	42000	PART OF SMALL ICE FIELD TRIMLINES	
46444K	17	.14	.14 3	.14 3	0	15	.00 3	670112	42000	THIN SNOW COVER ON TOP	
46444K	18	.47	.47 3	.47 3	0	15	.01 3	700112	42000	STREAM FLOWS S AND THEN W	
46444K	19	2.72	2.72 3	1.71 3	37	35	.10 3	650112	42000	PART OF LOCAL ICE FIELD	
46444K	20	.05	.05 3	.05 3	0	15	.00 3	700112	42000	MAYBE REGELATION SNOWDRIFT ICE	
46444K	21	.59	.59 3	.59 3	0	15	.01 3	650112	42000	TRIM LINES VISIBLE	
46444K	22	.25	.25 3	.25 3	0	15	.00 3	700112	42000	MAYBE SNOWDRIFT ICE	
46444K	23	.56	.56 3	.56 3	0	15	.01 3	650112	42000	VEGETATION FREE ZONE	
46444K	24	.39	.39 3	.39 3	0	15	.00 3	700112	42000		
46444K	25	.14	.14 3	.14 3	0	15	.00 3	670112	42000	AT BASE OF SMALL HILL	
46444K	26	1.11	1.11 3	1.11 3	0	20	.02 3	420412	42100	POSSIBLY OGIVES BELOW ICE FALL	
46444K	27	.47	.47 3	.47 3	0	15	.01 3	650112	42000	DEBRIS COVER ON SNOUT	
46444K	28	.26	.26 3	.26 3	0	15	.00 3	650112	42000	MAYBE DEBRIS-COVERED ICE IN FRONT	
46444K	29	.53	.53 3	.53 3	0	15	.01 3	780112	42000	6 ON NE SIDE OF MOUNTAIN RIDGE	
46444K	30	3.73	3.73 3	1.81 3	51	35	.13 3	650112	42001	SNOUT CURVES TO NORTH	
46444K	31	14.92	14.92 3	5.95 3	60	125	1.86 3	525112	42020	3 BASINS, LOBED SNOUT	
46444K	32	6.04	6.04 3	3.12 3	48	125	.76 3	535112	42000	JOINS 4K-31	
46444K	33	1.51	1.51 3	1.51 3	0	20	.03 3	670112	42000	VEGETATION FREE ZONE	
46444K	34	1.21	1.21 3	1.21 3	0	20	.02 3	650112	42000	2 BASINS BIFURCATING STREAM	
46444K	35	.70	.70 3	.70 3	0	15	.01 3	650112	42000	2 INDISTINCT BASINS	
46444K	36	1.41	1.41 3	1.41 3	0	20	.03 3	650112	42000	SOME SUPERIMPOSITION OF 1 STREAM	
46444K	37	2.62	2.62 3	2.62 3	0	35	.09 3	700112	42000	SLIGHTLY DIVERGENT FLOW	
46444K	38	1.91	1.91 3	1.81 3	5	20	.04 3	640112	42000	SMALL ICE STREAM ENTERS ON WEST	
46444K	39	27.82	27.82 3	7.46 3	73	200	5.56 3	433112	42001	DIVERGENT FLOW, 3 MAIN LOBES	
46444K	40	.42	.42 3	.30 3	29	15	.01 3	650112	42000	VEGETATION FREE ZONE	
46444K	41	.11	.11 3	.11 3	0	15	.00 3	700112	42000	TRIM LINES VISIBLE	
46444K	42	1.81	1.81 3	1.21 3	33	20	.04 3	650112	42000	FINGER-SHAPED SNOUT, TRIM LINES	
46444K	43	.55	.55 3	.55 3	0	15	.01 3	700112	42000		
46444K	44	.36	.36 3	.25 3	30	15	.00 3	650112	42000	TRIM LINES ON NE SIDE	
46444K	45	.12	.12 3	.12 3	0	15	.00 3	650112	42000	JUST BELOW MOUNTAIN RIDGE	
46444K	46	.22	.22 3	.22 3	0	15	.00 3	650112	42000	JUST BELOW MOUNTAIN RIDGE	
46444K	47	.47	.47 3	.47 3	0	15	.01 3	650112	42000	2 SNOW PATCHES TO N OF UPPER PART	
46444K	48	.12	.12 3	.12 3	0	15	.00 3	650112	42000	STOPS SHORT OF ICE-FILLED LAKE	
46444K	49	.44	.44 3	.44 3	0	15	.01 3	650112	42001	FLOWS IN TO LAKE	
46444K	50	130.63	130.63 3	39.31 3	70	300	39.19 3	422114	44000	2 SURFACE LAKES	
46444K	51	.08	.08 3	.08 3	0	15	.00 3	700112	42000	MAYBE REMNANT	
46444K	52	.05	.05 3	.05 3	0	15	.00 3	700112	42000	JUST BELOW MOUNTAIN RIDGE	
46444K	53	.28	.28 3	.28 3	0	15	.00 3	700112	44000	MAYBE REMNANT SPILL-OVER LOBE	
46444K	54	7.86	7.86 3	6.85 3	13	50	.39 3	640112	42000	2 MAIN BASINS, 2 NUNATAKS	
46444K	55	17.13	17.13 3	8.06 3	53	125	2.16 3	432113	44010	DOG-LEG, ROCK SEPARATION FROM -54	
46444K	56	.98	.98 3	.98 3	0	15	.01 3	700112	44010	IN SHALLOW COL	
46444K	57	.11	.11 3	.11 3	0	15	.00 3	650112	42000	MAYBE REMNANT OUTLET	
46444K	58	115.02	115.02 3	61.29 3	48	300	34.51 3	421114	44005	FLOWS AROUND ROCK KNOB	
46444K	59	25.09	25.09 3	9.37 3	63	200	5.02 3	430113	44001	SMALL TONGUE DAMS LAKE TO NORTH	
46444K	60	1.64	1.64 3	.75 3	54	20	.03 3	650112	42000	2 NICHE GLACIERS JOINED NEAR END	
46444K	61	1.04	1.04 3	1.04 3	0	20	.02 3	700112	42000	ROUND SNOW PATCH	
46444K	62	.19	.19 3	.19 3	0	15	.00 3	650112	42000	THROUGH NICHE FROM 4K-64	
46444K	63	.28	.28 3	.28 3	0	15	.00 3	650112	42000		
46444K	64	50.00	50.00 3	18.75 3	62	200	10.00 3	422113	44001	BIFURCATES ROUND ROCK RIDGE	
46444K	65	.22	.22 3	.22 3	0	15	.00 3	650112	42000	STREAM SPLIT BY ROCK KNOB	
46444K	66	.26	.26 3	.26 3	0	15	.00 3	650112	42000		
46444K	67	4.83	4.83 3	4.23 3	12	35	.17 3	650112	42000	2 MAIN BASINS	
46444K	68	.62	.62 3	.62 3	0	15	.01 3	650112	42000	2 NICHE GLACIERS, 1 JOINS 4K-67	
46444K	69	4.43	4.43 3	1.61 3	64	20	.09 3	200112	42000	NO DEFINITE STREAMS	
46444K	70	2.72	2.72 3	1.81 3	33	20	.05 3	200112	42000	SMALL TONGUE	
46444K	71	.42	.42 3	.34 3	19	15	.01 3	650112	42000	RECTANGULAR	
46444K	72	2.72	2.72 3	2.32 3	15	20	.05 3	200112	42000	DRAINS TO 3 SMALL VALLEYS	
46444K	73	7.97	7.97 3	5.85 3	27	30	.24 3	220112	42000	UNION OF 3 ICE MASSES	
46444K	74	.14	.14 3	.14 3	0	15	.00 3	300112	42000	IN DEPRESSION BELOW MTN. SUMMIT	
46444K	75	.50	.50 3	.36 3	28	15	.01 3	650112	42000	DRAINS FROM ICE CAP	
46444K	76	.20	.20 3	.14 3	30	15	.00 3	650112	42000	DRAINS FROM ICE CAP	
46444K	77	.26	.26 3	.23 3	12	15	.00 3	650112	42001	FLOWS TO EDGE OF LAKE	
46444K	78	.17	.17 3	.17 3	0	15	.00 3	650112	42000	DOES NOT JOIN 4K-90	
46444K	79	.22	.22 3	.22 3	0	15	.00 3	650112	42001	DROPS STEEPLY TO SMALL LAKE	
46444K	80	.56	.56 3	.56 3	0	15	.01 3	650112	42001	DOES NOT REACH DAMMED LAKE	
46444K	81	.16	.16 3	.16 3	0	15	.00 3	650112	42000		
46444K	82	2.22	2.22 3	2.22 3	0	35	.08 3	650112	42000	2 BASINS, TOUCHES 4K-90	
46444K	83	.81	.81 3	.81 3	0	15	.01 3	650212	42000	FLOWS OVER STRUCTURAL RIDGE	
46444K	84	.42	.42 3	.34 3	19	15	.01 3	650112	42000	FLOWS FROM ICE CAP TO 2 VALLEYS	
46444K	85	2.57	2.57 3	2.32 3	10	35	.09 3	650112	42000	2 STREAMS DIVIDED BY ROCK RIDGE	
46444K	86	.59	.59 3	.59 3	0	15	.01 3	650112	42000	DIVIDED SNOUT, PART JOINS 4K-85	
46444K	87	.61	.61 3	.61 3	0	15	.01 3	650112	42000	SMALL TRIBUTARY NEAR SNOUT	
46444K	88	.37	.37 3	.37 3	0	15	.00 3	650112	42000		
46444K	89	.67	.67 3	.62 3	7	15	.01 3	650112	42000	2 MAIN BASINS, SMALL TRIBUTARY	
46444K	90	41.73	41.73 3	23.28 3	44	200	8.35 3	524112	42001	3 MAIN BASINS, CALVES INTO LAKE	
46444K	91	9.38	9.38 3	4.84 3	48	125	1.17 3	523112	42021	3 BASINS, SEVERAL LOBES	
46444K	92	4.23	4.23 3	1.81 3	57	50	.21 3	530112	42001	SLIGHT DOG-LEG, NO CALVING	
46444K	93	.25	.25 3	.25 3	0	15	.00 3	650112	42000	E STREAM FLOWS EAST AND WEST	

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"See List of Abbreviations on page 59"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444L	1	W 92 44.0	N 80 15.2	15XWV505089096	NE	NE	1158	1067	1067	1082	17 8 59	1112 4	1075 3	.1	1.0	1.0	
46444L	2	W 92 36.8	N 80 14.0	15XWV507289066	NE	NE	1402	731	731	1006	28 7 59	1204 4	869 3	1.1	7.3	7.3	
46444L	3	W 92 28.0	N 80 10.4	15XWU510288998	NE	NE	1330	823	823	1006	28 7 59	1112 4	945 3	1.9	5.1	5.1	
46444L	4	W 92 12.5	N 80 14.1	15XWV515089068		N	1124	884	884		28 7 59		1004 3	1.4	1.4	1.4	
46444L	5	W 92 06.5	N 80 10.6	15XWV516789004		N		731	731	1097	28 7 59		864 3	4.0			
46444L	6	W 91 56.5	N 80 11.6	15XWV520289022	SW	SW	1280	1020	1020	1219	28 7 59	1250 4	1112 3	.8	1.0	1.0	
46444L	7	W 91 58.8	N 80 12.8	15XWV519489046	N	N	1463	884	884	1189	28 7 59	1329 4	1030 3	3.3	4.4	4.4	
46444L	8	W 92 08.2	N 80 14.3	15XWV516489082		N	1128	1036	1036		28 7 59		1082 3	.6	.6	.6	
46444L	9	W 91 58.7	N 80 14.1	15XWV519489080	N	N	1463	732	732	1097	28 7 59	1282 4	914 3	1.6	2.5	2.5	
46444L	10	W 91 47.5	N 80 14.8	15XWV522889092	N	NE	1463	579	579	792	28 7 59	1128 4	686 3	1.5	5.0	5.0	
46444L	11	W 91 43.5	N 80 14.4	15XWV524289085		N	945	777	777		28 7 59		861 3	.9	.9	.9	
46444L	12	W 91 38.0	N 80 13.5	15XWV526089070	NE	NE	1280	579	579	1067	28 7 59	1173 4	823 3	3.9	8.4	8.4	
46444L	13	W 91 31.8	N 80 12.4	15XWV527889053		SW	1006	914	914		13 8 59		960 3	1.3	1.3	1.3	
46444L	14	W 91 34.0	N 80 12.5	15XWU527089050		SW	975	945	945		13 8 59		960 3	.4	.4	.4	
46444L	15	W 91 36.5	N 80 12.2	15XWU526589045	SE	SE	1143	1006	1006	1036	13 8 59	1082 4	1021 3	.8	1.3	1.3	
46444L	16	W 91 38.5	N 80 11.6	15XWV526089030	SE	SE	1280	884	884	1067	13 8 59	1158 4	975 3	.9	1.8	1.8	
46444L	17	W 91 43.8	N 80 10.7	15XWV524389015	NE	NE	1128	823	823	1097	13 8 59	1112 4	990 3	2.6	5.1	5.1	
46444L	18	W 91 44.5	N 80 09.9	15XWV524089000		NE	1158	975	975		13 8 59		1128 3	1.4	1.4	1.4	
46444L	19	W 91 36.5	N 80 10.5	15XWU526589012		N	1097	853	853		13 8 59		975 3	2.8	2.8	2.8	
46444L	20	W 91 26.5	N 80 10.9	15XWV529689020		NW	1036	975	975		13 8 59		1005 3	1.8	1.8	1.8	
46444L	21	W 91 11.8	N 80 11.2	15XWV534189026		NE		427	427	1112	13 8 59		1006 3	12.5			
46444L	22	W 90 52.0	N 80 07.4	15XWV541088956		NE	945	884	884		29 7 59		914 3	.6	.6	.6	
46444L	23	W 91 08.0	N 80 06.0	15XWV536088930		NE		823	823	1128	28 7 59		975 3	3.1			
46444L	24	W 90 57.7	N 80 03.7	15XWU539388888		NE		701	701	1158	28 7 59		930 3	5.0			
46444L	25	W 90 50.0	N 80 03.5	15XWU541788885		NE	1128	975	975		28 7 59		1052 3	2.4	2.4	2.4	
46444L	26	W 90 52.2	N 80 00.4	15XWU541388826		NE		1006	1006	1128	28 7 59		1064 3	3.5			
46444L	27	W 90 27.0	N 79 57.7	15XWU549688786		NE		549	549	1036	28 7 59		880 3	7.5			
46444L	28	W 90 03.8	N 79 54.0	15XWU557588716		E		274	274	1128	28 7 59		800 3	17.0			
46444L	29	W 90 59.0	N 79 54.0	15XWU539588710	NE	NE	2120	274	274	1075	13 8 59	1450 4	900 3	64.5		64.5	25.0
46444L	30	W 90 07.5	N 79 51.6	15XWU557088665		SE		732	732	1067	28 7 59		899 3	2.9			
46444L	31	W 90 03.5	N 79 49.8	15XWU558088636		NE		579	579	1097	28 7 59		838 3	3.6			
46444L	32	W 90 02.0	N 79 47.1	15XWU558788590		NE		701	701	1097	28 7 59		899 3	1.8			
46444L	33	W 89 35.0	N 79 46.9	16XDD448888580		NE		427	427	823	13 8 59		625 3	6.3			
46444L	34	W 89 34.7	N 79 45.3	16XDD448888552	E	E	975	701	701	853	13 8 59	914 4	777 3	1.8	3.3	3.3	
46444L	35	W 89 36.0	N 79 43.5	16XDD448688520	E		1128	975	975		13 8 59	1052 4		.0	2.5	2.5	
46444L	36	W 89 37.0	N 79 42.2	16XDD447888496	E	E	1128	701	701	1067	13 8 59	1097 4	884 3	3.1	4.9	4.9	
46444L	37	W 89 37.0	N 79 41.2	16XDD447888477	F	E	1128	732	732	1056	13 8 59	1082 4	884 3	2.1	4.4	4.4	
46444L	38	W 89 34.0	N 79 40.2	16XDD448788458	F	E	1097	762	762	914	13 8 59	1006 4	838 3	.9	2.1	2.1	
46444L	39	W 89 40.0	N 79 39.7	16XDD446888450	E	SE	1158	732	732	975	13 8 59	1067 4	853 3	1.1	6.1	6.1	
46444L	40	W 89 46.0	N 79 38.7	16XDD444688430	SE	SE	1128	701	701	792	28 7 59	960 4	747 3	1.1	6.1	6.1	
46444L	41	W 89 53.0	N 79 37.5	16XDD442088410		SE		732	732	823	28 7 59		777 3	.8			
46444L	42	W 89 46.0	N 79 35.0	16XDD446288342	SE	E	1280	853	853	975	28 7 59	1128 4	914 3	1.5	3.0	3.0	
46444L	43	W 89 48.7	N 79 34.5	16XDD443288454	F	E	1250	975	975	1006	28 7 59	1128 4	991 3	.5	1.5	1.5	
46444L	44	W 89 48.2	N 79 34.1	16XDD443288446	E	E	1189	884	884	1128	28 7 59	1158 4	1006 3	1.1	2.0	2.0	
46444L	45	W 89 52.5	N 79 33.4	16XDD441888332	SE		1067	975	975		29 7 59	1021 4		.0	.8	.8	
46444L	46	W 89 51.0	N 79 32.6	16XDD442288318	NE	NE	1219	853	853	1067	28 7 59	1143 4	960 3	1.6	4.1	4.1	
46444L	47	W 89 37.0	N 79 32.6	16XDD447688316	N	N	1585	732	732	975	13 8 59	1280 4	853 3	1.8	9.0	9.0	
46444L	48	W 89 12.5	N 79 32.5	16XDD455388310	NE	NE	1554	579	579	914	13 8 59	1234 4	747 3	5.6	14.6	14.6	
46444L	49	W 88 56.5	N 79 27.1	16XDD460488208	E	E	1554	701	701	975	29 7 59	1268 4	835 3	3.6	15.5	15.5	
46444L	50	W 88 50.0	N 79 23.0	16XDD462088133	E	E	1554	549	549	823	29 7 59	1189 4	686 3	2.4	15.6	15.6	
46444L	51	W 88 41.0	N 79 21.6	16XDD465288105		SE	1097	884	884		29 7 59		991 3	1.0	1.0	1.0	
46444L	52	W 88 52.5	N 79 20.7	16XDD461488088	E	E	1280	1036	1036	1128	29 7 59	1204 4	1082 3	.8	2.4	2.4	
46444L	53	W 88 42.0	N 79 20.7	16XDD465088088	E	E	1128	792	792	1036	29 7 59	1082 4	914 3	1.9	5.9	5.9	
46444L	54	W 88 37.5	N 79 19.5	16XDD466688066	NE	NE	1280	823	823	1097	29 7 59	1184 4	960 3	2.3	5.5	5.5	
46444L	55	W 88 53.1	N 79 19.7	16XDD461088070	N	E	1250	1097	1097	1158	29 7 59	1204 4	1128 3	.6	2.3	2.3	
46444L	56	W 88 49.1	N 79 19.2	16XDD462288060	N	N	1250	1067	1067	1128	29 7 59	1184 4	1112 3	.5	1.4	1.4	
46444L	57	W 88 10.0	N 79 35.5	16XDD476488360		NW	762	701	701		29 7 59		731 3	.6	.6	.6	
46444L	58	W 88 09.0	N 79 35.8	16XDD476888366		NW	701	579	579		29 7 59		640 3	.4	.4	.4	
46444L	59	W 88 08.1	N 79 35.6	16XDD477088362		NW	732	518	518		29 7 59		625 3	.5	.5	.5	
46444L	60	W 88 03.9	N 79 34.7	16XDD478488345		NW	1097	884	884		29 7 59		990 3	1.4	1.4	1.4	
46444L	61	W 88 01.0	N 79 32.8	16XDD479688310		W	945	853	853		29 7 59		890 3	3.8	3.8	3.8	

M. SKAARE FIORD

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46444M	1	W 88 42.8	N 78 51.3	16XDC463087538	S	S	1387	579	579	1112	29 7 59	1299 4	847 3	3.8	7.7	7.7	2.6
46444M	2	W 88 41.5	N 78 52.1	16XDC463587554		SE	1219	899	899		29 7 59		1059 3	1.3	1.3	1.3	.7
46444M	3	W 88 40.8	N 78 53.0	16XDC463787574	SE	SE	1387	594	594	1097	29 7 59	1242 4	845 3	2.7	5.3	5.3	1.5
46444M	4	W 88 41.2	N 78 52.7	16XDC465387556	SE	SE	1250	975	975	1128	29 7 59	1189 4	1061 3	.4	1.4	1.4	.5
46444M	5	W 88 33.2	N 78 53.2	16XDC466587575	SE	SE	1250	594	594	1128	29 7 59	1190 3	861 3	2.5	3.6	3.6	1.4
46444M	6	W 88 33.0	N 78 53.8	16XDC466787586	SE	SE	1189	884	884	1128	29 7 59	1153 4	1056 3	.8	1.2	1.2	.6
46444M	7	W 88 30.2	N 78 54.2	16XDC467787593		NW	884	732	732		29 7 59		808 3	1.3	1.3	1.3	1.2
46444M	8	W 88 28.0	N 78 54.8	16XDC468587693		E	1128	1052	1052		29 7 59		1090 3	.7	.7	.7	.6
46444M	9	W 88 31.0	N 78 54.8	16XDC467487606		NE	1082	762	762		29 7 59		922 3	.9	.9	.9	.9
46444M	10	W 88 40.0	N 78 55.3	16XDC464387615	N		1128	1067	1067		29 7 59	1097 4		.0	8.8	8.8	.2
46444M	11	W 88 29.5	N 78 56.0	16XDC467687628	E	E	1585	107	107	1128	29 7 59	1356 4	617 3	11.8	16.3	16.3	1.1
46444M	12	W 88 39.0	N 78 57.0	16XDC464887646	E	SE	1219	777	777	1128	29 7 59	1173 4	952 3	1.4	1.7	1.7	.1
46444M	13	W 88 31.7	N 78 57.4	16XDC467287655		N	1143	914	914		29 7 59		1098 3	.8	.8	.8	.4
46444M	14	W 88 35.0	N 78 57.7	16XDC466287662	S		1311	747	747		29 7 59	1029 4		.0	1.6	1.6	1.4
46444M	15	W 88 26.0	N 78 58.2	16XDC469487670	E	SE	1707	137	137	1128	29 7 59	1011 4	632 3	8.8	15.0	15.0	.8
46444M	16	W 88 23.5	N 78 58.8	16XDC470487682	SE	SE	1402	152	152	1036	29 7 59	1219 4	594 3	6.9	14.4	14.4	
46444M	17	W 88 31.4	N 79 02.0	16XDC467687736	E	E	1402	122	122	1006	29 7 59	1204 4	614 3	7.5	11.8	11.8	1.4
46444M	18	W 88 40.0	N 79 04.4	16XDC464887780	SE	SE	1432	244	244	945	13 8 59	1188 4	594 3	5.6	13.7	13.7	1.3
46444M	19	W 88 21.0	N 79 06.0	16XDC471487810		SE	884	792	792		13 8 59		838 3	2.1	2.1	2.1	1.2
46444M	20	W 88 25.8	N 79 06.4	16XDC469987815		W	884	792	792		13 8 59		838 3	.8	.8	.8	.7
46444M	21	W 88 35.0	N 79 06.5	16XDC466587818		NW	1158	914	914		13 8 59		1036 3	1.4	1.4	1.4	.8
46444M	22	W 88 38.4	N 79 06.6	16XDC465487822		NW	1097	914	914		13 8 59		1005 3	1.0	1.0	1.0	.4
46444M	23	W 88 21.1	N 79 07.2	16XDC471487832		SE	1097	553	553		13 8 59		825 3	2.0	2.0	2.0	.6
46444M	24	W 88 19.5	N 79 07.7	16XDC472087843		SE	975	762	762		13 8 59		868 3	.8	.8	.8	.4
46444M	25	W 88 23.0	N 79 08.0	16XDC470887848		N	1250	828	828		13 8 59		1039 3	1.9	1.9	1.9	1.7
46444M	26	W 88 49.7	N 79 07.9	16XDC464887848	SE	SE	1311	792	792	1067	29 7 59	1189 4	929 3	1.3	2.9	2.9	.4
46444M	27	W 88 47.0	N 79 07.9	16XDC462687846	S	S	1402	1189	1189	1311	29 7 59	1356 4	1250 3	.4	.0	.6	.3
46444M	28	W 88 45.0	N 79 07.8	16XDC463287846	S		1432	1250	1250		29 7 59	1341 4		.0	.3	.3	.3
46444M	29	W 88 42.0	N 79 07.2	16XDC464287832	S	S	1219	91	91	1067	29 7 59	1143 4	579 3	1.0	1.4	1.4	.5
46444M	30	W 88 40.1	N 79 07.6	16XDC464887840	SE	SE	1280	884	884	975	29 7 59	1127 4	929 3	1.1	2.9	2.9	.4
46444M	31	W 88 40.5	N 79 08.0	16XDC464687850	SE	SE	1432	1036	1036	1097	29 7 59	1264 4	1066 3	.4	.9	.9	.4
46444M	32	W 88 39.0	N 79 08.8	16XDC465487865	SE	SE	1463	914	914	975	29 7 59	1219 4	944 3	.5	2.0	2.0	2.0
46444M	33	W 88 32.5	N 79 10.4	16XDC467787892	SE	SE	1478	732	732	1067	29 7 59	1272 4	899 3	4.9	7.5	7.5	
46444M	34	W 88 24.5	N 79 14.2	16XDC470688068	NE	NE	1494	762	762	853	29 7 59	1173 4	807 3	1.3	11.8	11.8	
46444M	35	W 88 40.0	N 79 17.4	16XDB465588026	SE	SE	1219	914	914	1067	29 7 59	1143 4	991 3	1.5	2.5	2.5	.6
46444M	36	W 88 34.7	N 79 18.3	16XDH467288042		E	1219	792	792		29 7 59		1005 3	4.8	4.8	4.8	1.1

L. EASTERN - SCHEI PENINSULA

"See List of Abbreviations on page 59"

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444L	1	1.60	1.61 3	.60 3	63	50	.08 3	433113	42000	SMALL LOBE JOINS 46444J-19	
46444L	2	26.91	26.91 3	8.06 3	70	200	5.38 3	433114	42000	OUTLET LOBE OF ICE CAP	
46444L	3	46.68	46.68 3	12.60 3	73	200	9.34 3	423114	42000	LARGE DRAINAGE AREA OF ICE	
46444L	4	1.01	1.01 3	1.01 3	0	25	.02 3	300112	42000	BANDING IN ICE	
46444L	5							403114	42001	LOBE, PART OF MAIN ICE CAP 4L-29	
46444L	6	.50	.50 3	.30 3	40	50	.02 3	403112	42000	SMALL LOBE ON NUNATAK	
46444L	7	6.35	6.35 3	5.33 3	8	125	.79 3	520112	42000	TOUCHES 46444L-5	
46444L	8	.19	.19 3	.19 3	0	15	.00 3	700112	42000		
46444L	9	1.31	1.31 3	.65 3	50	50	.06 3	530112	42000	SLIGHT DOG-LEG	
46444L	10	6.75	6.75 3	1.81 3	73	125	.84 3	532112	42000	BROAD ICE STREAM	
46444L	11	.28	.28 3	.28 3	0	15	.00 3	700112	42000		
46444L	12	22.08	22.08 3	10.99 3	50	150	3.31 3	303112	44000	PROBABLY REMNANT OF A LARGE 4L-29	
46444L	13	.52	.52 3	.52 3	0	15	.01 3	650112	44000	ALMOST JOINS 4L-12	
46444L	14	.06	.06 3	.06 3	0	15	.00 3	700112	42000		
46444L	15	1.41	1.41 3	.60 3	57	50	.07 3	530112	42001	SHARES DIVIDE WITH 46444L-16	
46444L	16	2.21	2.21 3	.40 3	82	50	.11 3	530112	42000	DRAINS PARTLY FROM 46444L-12	
46444L	17	4.84	4.84 3	1.69 3	65	50	.24 3	423112	42010	DRAINS PARTLY FROM 46444L-12	
46444L	18	1.11	1.11 3	1.11 3	0	20	.02 3	650121	42000	ATTACHED TO 46444L-5 AND -21	
46444L	19	6.65	6.65 3	6.32 3	5	125	.83 3	403112	42000	LOBE FROM 4L-21, JOINS 4L-17	
46444L	20	6.45	6.45 3	6.45 3	0	125	.81 3	403122	42000	LOBE FROM 4L-21	
46444L	21							422114	44000	OUTLET OF MAIN ICE CAP 4L-29	
46444L	22	.50	.50 3	.50 3	0	15	.01 3	650112	44000		
46444L	23							403114	44000	LOBE, PART OF MAIN ICE CAP 4L-29	
46444L	24							403114	42000	LOBE, PART OF MAIN ICE CAP 4L-29	
46444L	25	1.41	1.41 3	1.41 3	0	25	.04 3	300112	42000	MAYBE REMNANT OF LARGER 4L-24	
46444L	26							403112	42000	LOBE, PART OF MAIN ICE CAP 4L-29	
46444L	27							403114	44000	LOBE, PART OF MAIN ICE CAP 4L-29	
46444L	28							422114	44000	OUTLET OF MAIN ICE CAP 4L-29	
46444L	29	1837.24	1837.24 3	414.20 3	77	500	918.62 3	303114	66000	MAJOR ICE CAP	MCGILL ICE CAP(*)
46444L	30							420112	42000	OUTLET FROM MAIN ICE CAP 4L-29	
46444L	31							422112	42000	OUTLET FROM MAIN ICE CAP 4L-29	
46444L	32							403112	42000	LOBE, PART OF MAIN ICE CAP 4L-29	
46444L	33							422114	44000	OUTLET FROM MAIN ICE CAP 4L-29	
46444L	34	6.25	6.25 3	3.33 3	47	125	.78 3	403112	42000	SMALL LOBE FROM OUTLET 4L-33	
46444L	35	6.75	6.75 3	.00 3	100	125	.84 3	403112	42000	LOBE FROM OUTLET 4L-33	
46444L	36	5.85	5.85 3	2.42 3	59	125	.73 3	420112	42000	LATERAL DRAINAGE FROM 4L-33	
46444L	37	5.24	5.24 3	1.41 3	73	125	.66 3	420112	42000	LATERAL DRAINAGE FROM 4L-33	
46444L	38	1.92	1.92 3	.91 3	53	20	.04 3	650112	42000	HOOK-SHAPED TONGUE	
46444L	39	14.31	14.31 3	1.71 3	88	125	1.79 3	420114	42000	OUTLET FROM 4L-33	
46444L	40	14.31	14.31 3	1.71 3	88	125	1.79 3	425114	42000	OUTLET FROM 4L-33, TOUCHES 4L-41	
46444L	41							422114	42000	OUTLET FROM MAIN ICE CAP 4L-29	
46444L	42	2.92	2.92 3	1.61 3	45	50	.15 3	535112	42000	LOBE OF TONGUE FLOWS TO SE	
46444L	43	1.21	1.21 3	.30 3	75	50	.06 3	535112	42000	LIES BETWEEN 46444L-42 AND -44	
46444L	44	1.41	1.41 3	.81 3	42	50	.07 3	535112	42000	JOINS WITH 46444L-43	
46444L	45	.60	.60 3	.00 3	100	15	.01 3	650112	42000		
46444L	46	7.77	7.77 3	1.92 3	75	125	.97 3	493112	42010	THROUGH GLACIER	
46444L	47	54.03	54.03 3	12.70 3	76	200	10.81 3	403112	44100	OUTLET LOBE OF CENTRAL ICE DOME	
46444L	48	90.21	90.21 3	25.80 3	71	200	18.04 3	403112	44100	OUTLET LOBE OF CENTRAL ICE DOME	
46444L	49	102.01	102.01 3	28.93 3	72	250	25.50 3	403112	44100	OUTLET LOBE OF CENTRAL ICE DOME	
46444L	50	75.30	75.30 3	15.02 3	80	200	15.06 3	403112	44100	OUTLET LOBE OF CENTRAL ICE DOME	
46444L	51	.81	.81 3	.81 3	0	15	.01 3	653112	44100	DRAINS FROM S. SIDE OF 4L-50	
46444L	52	1.41	1.41 3	.30 3	79	50	.07 3	530112	42001	ON NUNATAK IN ICE CAP	
46444L	53	9.57	9.57 3	3.83 3	60	125	1.20 3	510112	4410	LARGE LAKE BEHIND MAIN STREAM	
46444L	54	7.56	7.56 3	4.03 3	47	125	.94 3	533112	44100	SHARES DIVIDE WITH 46444L-53	
46444L	55	3.22	3.22 3	.60 3	81	35	.11 3	673112	42001	ICE FRONT VISIBLE BENEATH LAKE	
46444L	56	.90	.90 3	.40 3	56	50	.04 3	403112	42001	WATER OF LAKE COVERS TERMINUS	
46444L	57	.94	.94 3	.94 3	0	15	.01 3	900112	42000	MAYBE DEBRIS COVERED ICE MASS	
46444L	58	.09	.09 3	.09 3	0	15	.00 3	900112	42000	MAYBE DEBRIS COVERED ICE MASS	
46444L	59	.14	.14 3	.14 3	0	15	.00 3	900112	42000	MAYBE DEBRIS COVERED ICE MASS	
46444L	60	.76	.76 3	.76 3	0	15	.01 3	670112	42000	PLASTERED ALONG ONE SIDE OF RIDGE	
46444L	61	.14	.14 3	.14 3	0	15	.00 3	650112	42000	PROBABLY REMNANT ICE MASS	

M. SKAARE FIORD

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46444M	1	17.04	17.04 3	13.00 3	24	125	2.13 3	530114	44003	TRIANGULAR, W.MARGIN LOBED	
46444M	2	.60	.60 3	.60 3	0	15	.01 3	650132	42000		
46444M	3	5.49	5.49 3	2.32 3	58	125	.69 3	530312	44000	DOG-LEG STREAM	
46444M	4	.71	.71 3	.20 3	72	15	.01 3	650112	42000	LATERAL SPILL-OVER FROM 4M-5	
46444M	5	3.81	3.81 3	.61 3	84	50	.19 3	530112	42000	3 SEPARATE TONGUES	
46444M	6	.60	.60 3	.40 3	33	15	.01 3	655112	42000	TOUCHES 4M-5	
46444M	7	.50	.50 3	.50 3	0	50	.02 3	530112	44000		
46444M	8	.30	.30 3	.30 3	0	15	.00 3	300112	44000	CARAPACE ON SIDE OF RIDGE	
46444M	9	1.01	1.01 3	1.01 3	0	20	.02 3	700112	42000	IN NE CORNER OF DEPRESSION	
46444M	10	.20	.20 3	.00 3	100	20	.00 3	200112	44000	SMALL ICE SHEET ON NUNATAK	
46444M	11	51.60	51.60 3	26.40 3	49	200	10.32 3	512114	44253	MAJOR VALLEY GLACIER	
46444M	12	1.20	1.20 3	1.00 3	17	20	.02 3	650112	42000		
46444M	13	1.42	1.42 3	1.42 3	0	20	.03 3	200112	44000	FLAT ICE SHEET	
46444M	14	.30	.30 3	.00 3	100	15	.00 3	650412	42000		
46444M	15	18.03	18.03 3	12.80 3	29	125	2.25 3	525113	44002	JOINS 4M-16, SLIGHT DOG-LEG	
46444M	16	64.50	64.50 3	20.00 3	69	200	12.90 3	525113	44000	DOG-LEG JOINS 4M-15	
46444M	17	20.25	20.25 3	7.85 3	61	200	4.05 3	530113	44000	FLOW PLANES AND // CREVASSES	
46444M	18	62.90	62.90 3	34.80 3	45	200	12.58 3	420114	44102	THROUGH FROM 4D-34 ROCK GL. NEAR	
46444M	19	1.61	1.61 3	1.61 3	0	25	.04 3	300112	42000	SOME PREFERRED FLOW TO SOUTH	
46444M	20	.50	.50 3	.50 3	0	15	.01 3	650112	42000	SMALL REMNANT ICE MASS	
46444M	21	.91	.91 3	.91 3	0	15	.01 3	650112	42000	GULLY FEEDING ALONG SIDES	
46444M	22	.31	.31 3	.31 3	0	15	.00 3	650112	42000	SMALL NICHE REMNANT	
46444M	23	1.21	1.21 3	1.21 3	0	50	.06 3	530112	42000	DRAINAGE FROM SMALL ICE FIELD	
46444M	24	.30	.30 3	.30 3	0	15	.00 3	653112	42000	SOME DRAINAGE FROM SMALL ICEFIELD	
46444M	25	2.21	2.21 3	2.21 3	0	25	.06 3	300112	42000	DOME OF SMALL ICE FIELD	
46444M	26	2.81	2.81 3	.60 3	79	35	.10 3	670112	42000	BROAD ICE MASS DRAINS FROM 4D-34	
46444M	27	.22	.22 3	.12 3	45	15	.00 3	653112	42000		
46444M	28	.30	.30 3	.00 3	100	15	.00 3	653112	42000		
46444M	29	.70	.70 3	.40 3	43	50	.04 3	433112	42000	DRAINS FROM 4M-30 EXPANDED STREAM	
46444M	30	2.42	2.42 3	.50 3	79	50	.12 3	430112	42000	THROUGH FROM 4D-34	
46444M	31	.23	.23 3	.08 3	65	15	.00 3	653112	42000		
46444M	32	4.13	4.13 3	1.41 3	66	50	.21 3	433112	42000	THROUGH LOBE	
46444M	33	31.10	31.10 3	16.20 3	48	200	6.22 3	430112	42000	BROAD OUTLET LOBE	
46444M	34	66.20	66.20 3	21.70 3	67	200	13.24 3	423112	44000	3 LOBES OFF LARGE OUTLET LOBE	
46444M	35	1.30	1.30 3	.80 3	38	20	.03 3	650112	42000	ICE FILLED V-SHAPED DEPRESSION	
46444M	36	3.42	3.42 3	3.12 3	9	50	.17 3	520112	44000	3 MINOR BASINS, SHALLOW VALLEY	

Figure 32. Area 46445 (EMR T491 R-143).

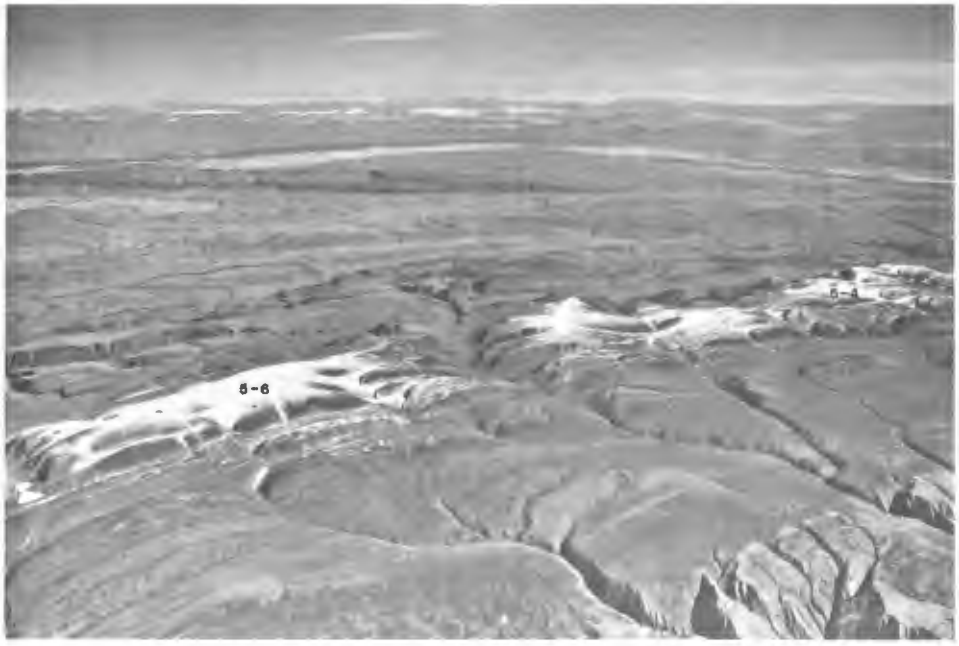

Figure 33. Area 46445 (EMR T491 R-164).

AREA #46445 EASTERN AXEL HEIBERG ISLAND, N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1969

SKAARE AND MOKKA FIORDS

"See List of Abbreviations on page 59"

IDENT	NO.	LONGITUDE	LATITUDE	U.T.M.	ORIENT AC	ORIENT AB	HIGH	ELEVATIONS L.EX	ELEVATIONS L.TL	SNOW	DATE	MEAN ELEVATION ACCU	MEAN ELEVATION ABLA	TOTAL LENGTH ABLA	TOTAL LENGTH EXP	TOTAL LENGTH TOTAL	WIDTH
46445	1	W 87 41.0	N 78 43.4	16XDC485287391		NE	876	625	625		16 8 59		808 3	3.5	3.5	3.5	
46445	2	W 87 36.5	N 78 44.0	16XDC486787403		SW	716	670	670		16 8 59		701 3	.7	.7	.7	
46445	3	W 87 37.0	N 78 44.5	16XDC486587411		W	640	594	594		16 8 59		610 3	.6	.6	.6	
46445	4	W 87 7.5	N 79 16.1	16XDD497487996		SW	1021	914	914		28 7 59		975 3	1.9	1.9	1.9	
46445	5	W 87 19.0	N 79 22.6	16XDD493388118	SW	SW	1250	914	914	1234	28 7 59	1242 4	1067 3	1.3	1.5	1.5	.4
46445	6	W 87 20.0	N 79 23.5	16XDD493288134	SW	SW	1295	884	884	1143	28 7 59	1158 4	1112 3	.6	2.5	2.5	
46445	7	W 87 23.0	N 79 24.1	16XDD492088145		NW	1173	1067	1067		28 7 59		1112 3	.5	.5	.5	

AREA #46445 EASTERN AXEL HEIBERG ISLAND, N.W.T. S.OMMANNEY MCGILL UNIVERSITY AND INLAND WATERS BRANCH 1969

SKAARE AND MOKKA FIORDS

IDENT	NO.	SURFACE AREA EXP	SURFACE AREA TOTAL	SURFACE AREA ABLATION	AAR	DEPTH	VOLUME	TYPE	SPEC.	COMMENTS GENERAL	GLACIER NAME
46445	1	4.13	4.13 3	4.13 3	0	20	.08 3	200112	42000	DRAINS MAINLY TO NORTH	
46445	2	.20	.20 3	.20 3	0	15	.00 3	650112	42000	POSSIBLY REMNANT OF SMALL ICE CAP	
46445	3	.20	.20 3	.20 3	0	15	.00 3	650112	42000	MAYBE REMNANT ICE MASS	
46445	4	.70	.70 3	.70 3	0	15	.01 3	700212	42000	SMALL TONGUE TO NORTH	
46445	5	.80	.80 3	.70 3	12	15	.01 3	650112	42000	3 SMALL ACCUMULATION AREAS	
46445	6	2.49	2.49 3	1.08 3	57	25	.06 3	303112	53000	SEVERAL OUTLET STREAMS	BUCHANAN ICE FIELD
46445	7	.30	.30 3	.30 3	0	15	.00 3	300102	42000	CARAPACE	

Current Technical Bulletins

No. 27 An Automated Method for Determining Mercury in Water. P.D. Goulden and B.K. Afghan, 1970.

A report describing a method for determining the mercury content in water containing mercury concentrations as low as 0.05 μg/l.

No. 28 An Assessment of the Wave Agitation in the Small Boat Basin at the Canada Centre For Inland Waters. T.M. Dick, 1970.

A discussion of the results obtained from a model study of wave action in the small boat basin at the Canada Centre For Inland Waters, Burlington, Ontario.

No. 29 Measurement of Discharge Under Ice Conditions. P.W. Strilaeff and J.H. Wedel, 1970.

An outline of the difficulties encountered in the measurement of discharge under ice cover and a discussion of a possible technique for estimating river discharge using a single velocity in a cross-section.

No. 30 Prediction of Saturation Precipitation of Low Solubility Inorganic Salts from Subsurface Waters under Changing Conditions of Total Concentration, Temperature and Pressure. R.O. van Everdingen, 1970.

A report containing graphs that enable the determination of the degree of (under- or over-) saturation of aqueous solutions with respect to $BaSO_4$, $CaSO_4$, $SrSO_4$, BaF_2, CaF_2 and MgF_2 under a variety of conditions of temperature, pressure and total salt concentrations. Also presented are examples of the influence of temperature changes, dilution, evaporation, addition of common salt, and mixing, on the degree of saturation of the above solutions.

No. 31 A Hydrologic Model of the Lake Ontario Local Drainage Basin. D. Witherspoon, 1970.

A discussion of a hydrologic model proposed for the Lake Ontario local drainage area. The basic principles used in the model are those of water and energy balances. Using estimates of actual evaporation, realistic values of the regional moisture are obtained which, when routed, simulate the measured outflow.

No. 32 Identification of Petroleum Products in Water. A. Demayo, 1970.

A description of an extraction method used in the Water Quality Division laboratory to analyze water samples, and activated carbon samples through which water has been passed, for the presence of crude oil or other petroleum product.

No. 33 Seasonal Variations, Sulphur Mountain Hot Springs, Banff, Alberta. R.O. van Everdingen, 1970.

A study of seasonal variations in the physical and chemical parameters of the sulfurous hot springs on Sulphur Mountain, near Banff, Alberta. In the absence of accurate discharge measurements, only a "minimum required" mixing ratio could be calculated, leading to minimum ion concentrations and a minimum temperature for the cooler water.

No. 34 Instrumentation for Study of Energy Budget of Rawson Lake. R. Chapil, 1970.

A report describing the equipment and procedures used, and some graphical results obtained mainly during 1960 in the Rawson Lake study, a hydrological study of a small research basin in northwestern Ontario.

No. 35 Precipitation of Heavy Metals from Natural and Synthetic Acidic Aqueous Solutions during Neutralization with Limestone. R.O. van Everdingen and J.A. Banner, 1970.

A report describing a method in which iron, aluminum, manganese, copper, lead and zinc in natural and synthetic acidic water with H^+ concentrations ranging from 4.0×10^{-3} to 6.3×10^{-4} are circulated through crushed limestone, resulting in the neutralization of the acidity and removal of varying amounts of the metals.

No. 36 Data Generating Methods in Hydrology. G. Kite and R. Pentland, 1970

A summary providing the background to simulation and showing some of the many methods of generating data now available, an alternative to 1) the traditional but outmoded empirical solutions to flood, drought and storage problems and 2) analytical methods which often are far too complex for real-life problems.

A complete list of titles in the Technical Bulletin Series and copies of any of these publications may be obtained from the Director, Inland Waters Branch, Department of Energy, Mines and Resources, Ottawa, Ontario.

CANADA
INLAND WATERS BRANCH
DEPARTMENT OF ENERGY MINES AND RESOURCES

IWB 1129

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DEPARTMENT OF ENERGY, MINES AND RESOURCES

AXEL HEIBERG ISLAND

GLACIER INVENTORY
AREA 4644 EAST

SCALE IN MILES
20 0 20 40
1:1,666,667

SCALE IN KILOMETRES
20 0 20 40 60 80
1:1,666,667

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PLATE NUMBER 4·0

CANADA

INLAND WATERS BRANCH

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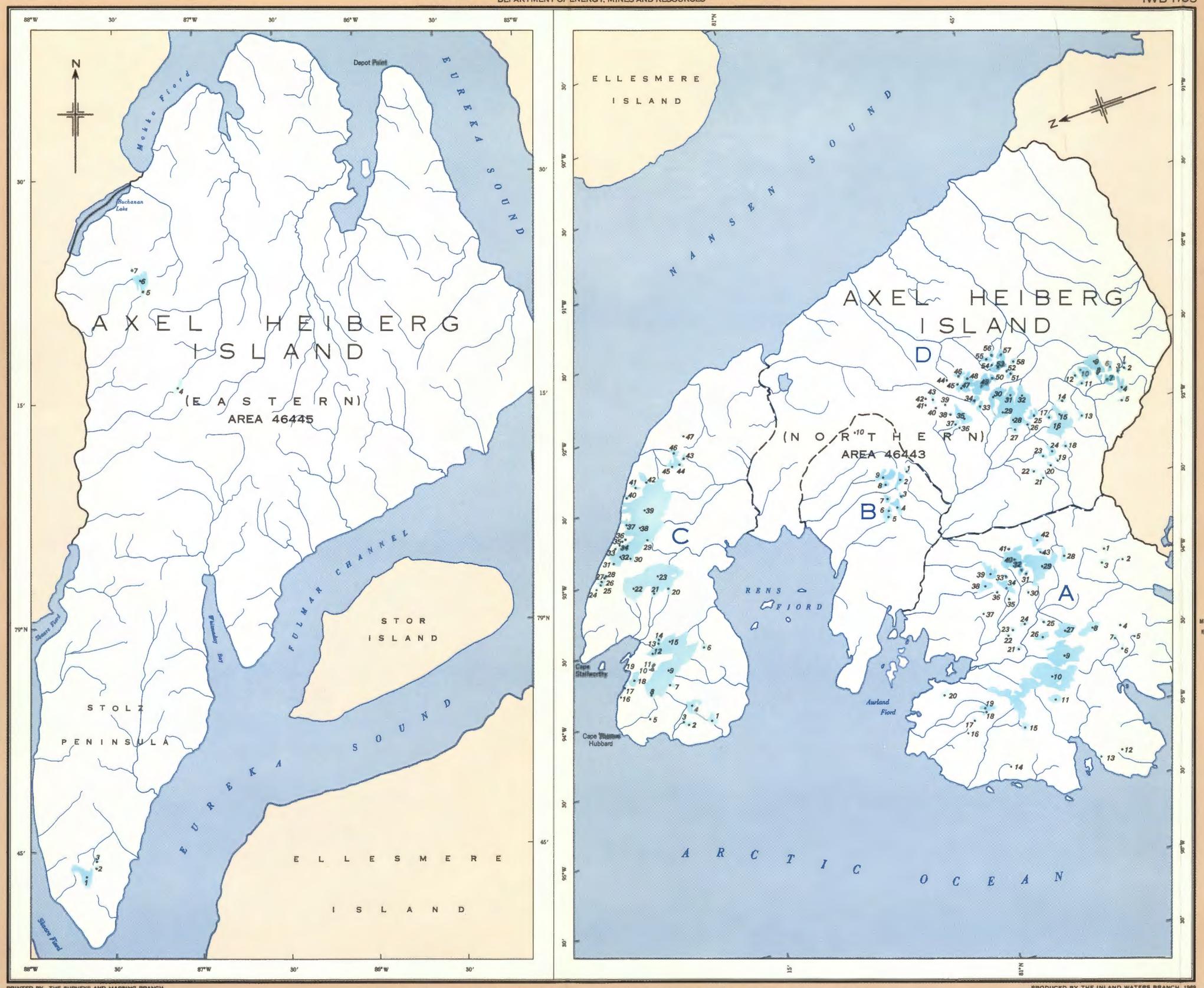
IWB 1105

GLACIER ATLAS
of
CANADA



LEGEND / LÉGENDE

Perennial ice and snow / Glace et neige à perpétuité

Hydrological unit / Unité hydrologique — A

Glacier number / Numéro du glacier — •14

Major drainage divide / Ligne de partage des bassins principaux

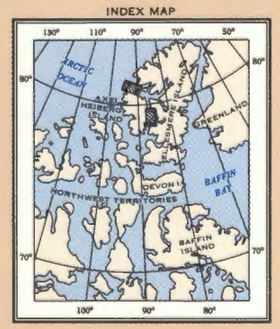
Major region divide / Ligne de partage des régions principales

SCALE 1:500,000

MILES 5 0 5 10 MILES

KILOMETRES 5 0 5 10 15 KILOMETRES

INDEX MAP



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PRODUCED BY THE INLAND WATERS BRANCH, 1969

AXEL HEIBERG ISLAND - EASTERN AND NORTHERN

GLACIER INVENTORY

AREAS 46443 AND 46445

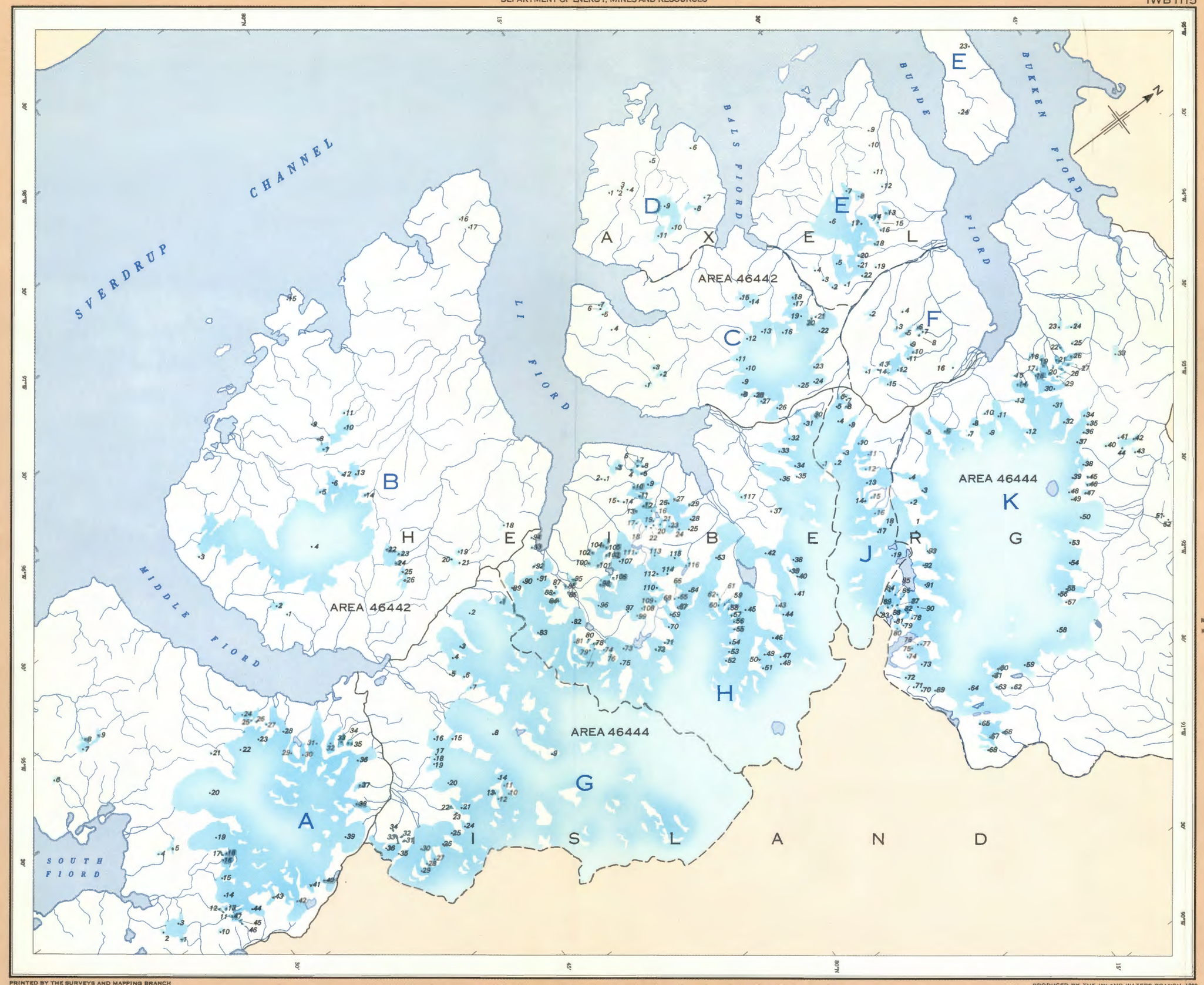
CANADA

INLAND WATERS BRANCH

DEPARTMENT OF ENERGY, MINES AND RESOURCES

IWB 1115

GLACIER ATLAS of CANADA



LEGEND / LÉGENDE

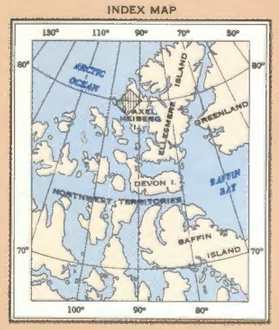
Perennial ice and snow / Glace et neige à perpétuité	
Hydrological unit / Unité hydrologique	A
Glacier number / Numéro du glacier	•113
Major drainage divide / Ligne de partage des bassins principaux	
Major region divide / Ligne de partage des régions principales	

SCALE 1:500,000

MILES 5 0 5 10 MILES

KILOMETRES 5 0 5 10 15 KILOMETRES

INDEX MAP



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AXEL HEIBERG ISLAND - WESTERN

GLACIER INVENTORY

AREAS 46442 AND 46444

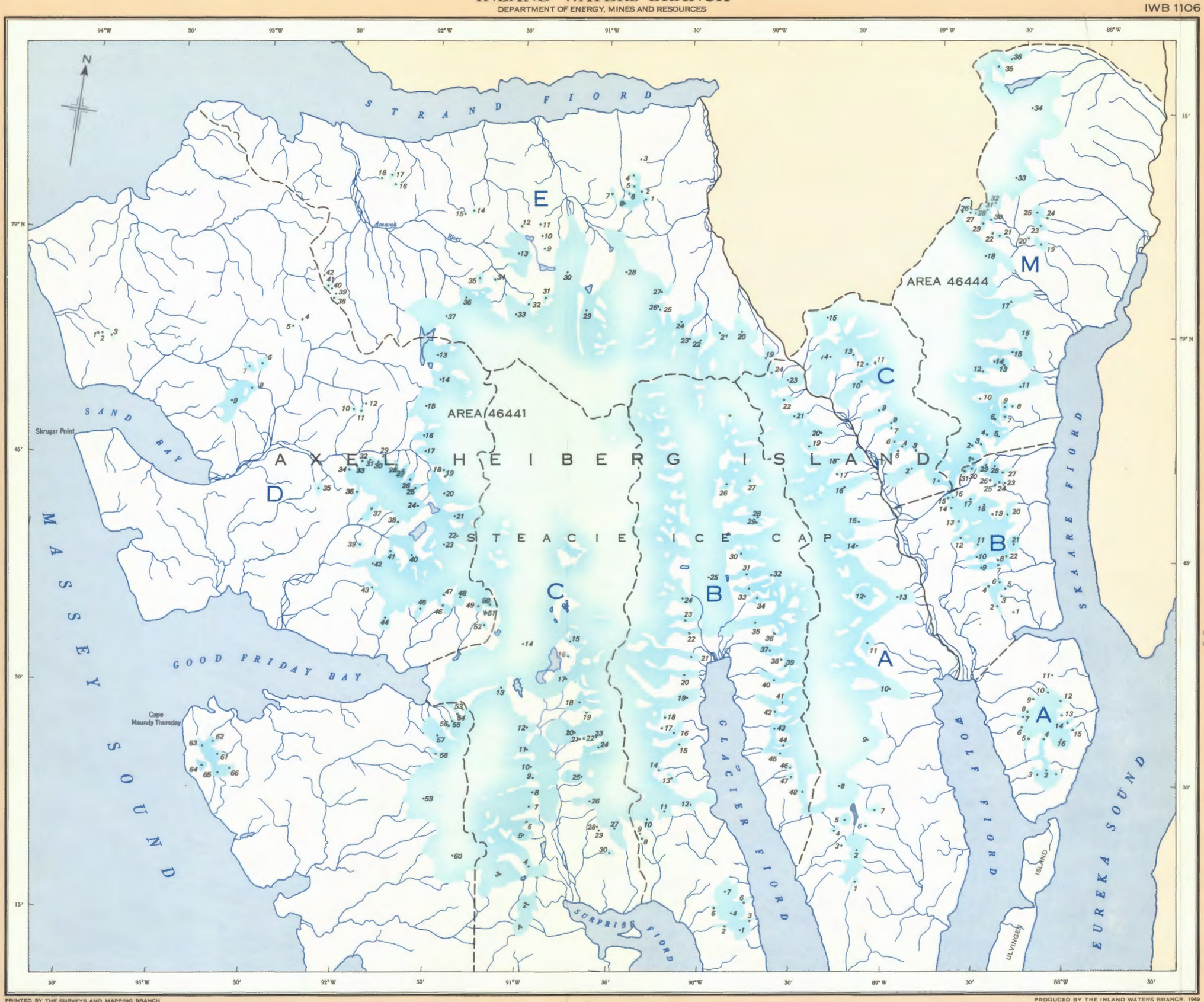
CANADA

INLAND WATERS BRANCH

DEPARTMENT OF ENERGY, MINES AND RESOURCES

IWB 1106

GLACIER ATLAS of CANADA



LEGEND / LÉGENDE

Perennial ice and snow / Glace et neige à perpétuité

Hydrological unit / Unité hydrologique — B

Glacier number / Numéro du glacier — • 139

Major drainage divide / Ligne de partage des bassins principaux

Major region divide / Ligne de partage des régions principales

SCALE 1:500,000

MILES / KILOMETRES

INDEX MAP

PLATE NUMBER 4-1

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DEPARTMENT OF ENERGY, MINES AND RESOURCES

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AXEL HEIBERG ISLAND - SOUTHERN

GLACIER INVENTORY

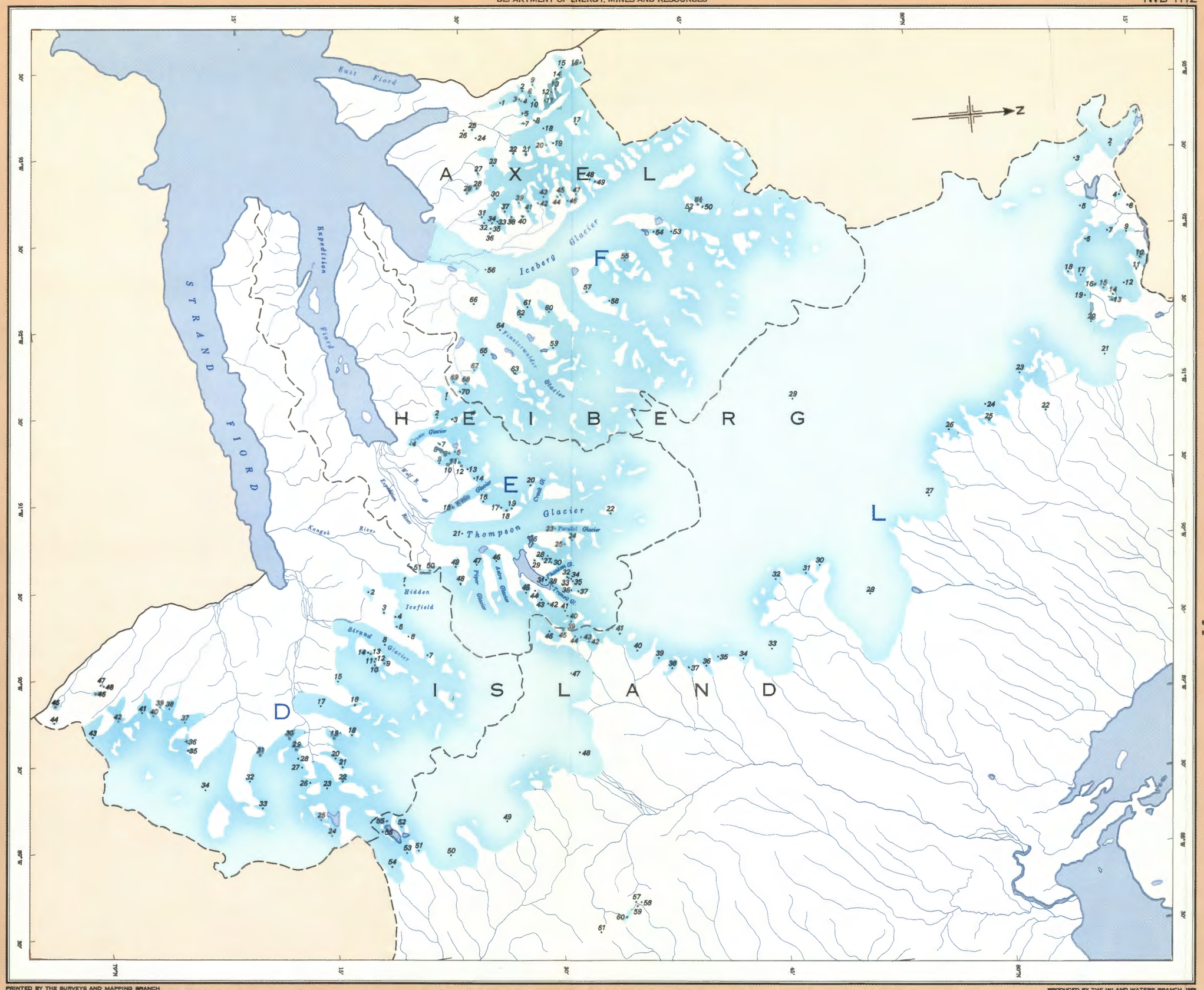
AREAS 46441 AND 46444

CANADA

INLAND WATERS BRANCH

DEPARTMENT OF ENERGY, MINES AND RESOURCES

IWB 1112



GLACIER ATLAS
of
CANADA

LEGEND/LÉGENDE

Perennial ice and snow / Glace et neige à perpétuité	
Hydrological unit / Unité hydrologique	D
Glacier number / Numéro du glacier	• 55
Major drainage divide / Ligne de partage des bassins principaux	
Major region divide / Ligne de partage des régions principales	

SCALE 1:500,000

MILES 5 0 5 10 MILES

KILOMETRES 5 0 5 10 15 KILOMETRES

INDEX MAP

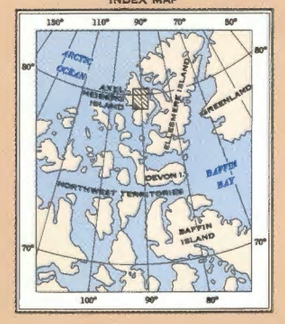


PLATE NUMBER 4•2

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AXEL HEIBERG ISLAND - CENTRAL

GLACIER INVENTORY

AREA 46444

G
707
C338
No.37

Ommanney, C. Simon L.

Glacier inventory of Canada-Axel Heiberg Island, Northwest Territories (Area 4644).

G
707
C338
No.37

Ommanney, C. Simon L.

Glacier inventory of Canada-Axel Heiberg Island, Northwest Territories (Area 4644).

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