The 1998 Petroglyph Project: Phase II

Interim Report

Department of Archaeology

AVATAQ CULTURAL INSTITUTE

Prince of Wales Northern Heritage Centre, NWT

Inuit Heritage Trust

Ministère de la Culture et des Communications du Québec

JANUARY 1999

Contents

Figures

Tables

INTRODUCTION

The Petroglyph Project originated from the Municipality of Kangirsujuaq (Figure 1) who had for a number of years expressed some concerns about the preservation of the Qajartalik site (JhEv-1). In recent years, increased visits at the site have had negative impacts on the petroglyphs. Thus, it was decided that a first expedition would be organized in 1996 to verify the state of preservation of the Qajartalik site, as well as implementing a preliminary survey of the area to determine its archaeological potential for a long-term research project. In 1997, the fieldwork followed the recommendations presented in 1996, including the continued work at the petroglyph site and the survey started during Phase I, as well as the implementation of a first field school for Inuit students at the JhEv-3 site. Two Pre-Dorset sites were also partially excavated. In 1998, the field work was divided in 3 parts: the continued study of the petroglyph site (JhEv-1), the extensive sampling and partial excavations of 5 Palaeoeskimo sites, and the continuation of the survey work on Aivirtuuq, Ukiivik, and in the area of Douglas Harbour, northwest of Kangirsujuaq.

The following document summarizes this third field season. First, a brief account of the work done at the JhEv-1 site is presented. It will be followed by a discussion of the preliminary results of the excavations and extensive sampling. Lastly, a final chapter will present briefly the results of the survey.

The fieldwork team was composed of Daniel Gendron, archaeologist at Avataq and Director of the project. He was assisted by Claude Pinard, also from Avataq, and responsible for the excavation and the survey. Luc Litwinionek, and Leila Inksetter, both students at University of Montreal were also part of the team. Daniel Arsenault and Louis Gagnon worked with Daniel Gendron at the petroglyph site. The crew was accompanied 5 Inuit students (Joanasi Pilurtuut, Louisa and Lucy Ilimasaut, Tomasie Qissiq, and Uqituq Tertiluk). Finally, 3 hunters (Arpik Tuniq, Arpik Irniq, and William Tuukaq), and one cook (Elisapie Ohituk) completed the field crew.

We would like to thank the following individuals and organizations for their help and support throughout the continuation of Phase II: Mr. Charlie Arngak, Mayor of Kangirsujuaq, for his constant support and the use of his fishing boat to transport the crew and the equipment to Qikertaaluk; Mr. Robert Fréchette, from the Corporation of Kangirsujuaq, for his invaluable assistance in every technical aspects of the project; the Makivik Corporation for accepting to finance the 1998 installment of the project; the local Hunters Support office; Northern Stores and the Kangirsujuaq COOP; the Kativik School Board for the loan of a house; and, finally, to all the inhabitants of Kangirsujuaq. They showed us once again what a difference it can make when a whole community is supporting enthusiastically a project of this scope. Now we struggle to keep the project alive.

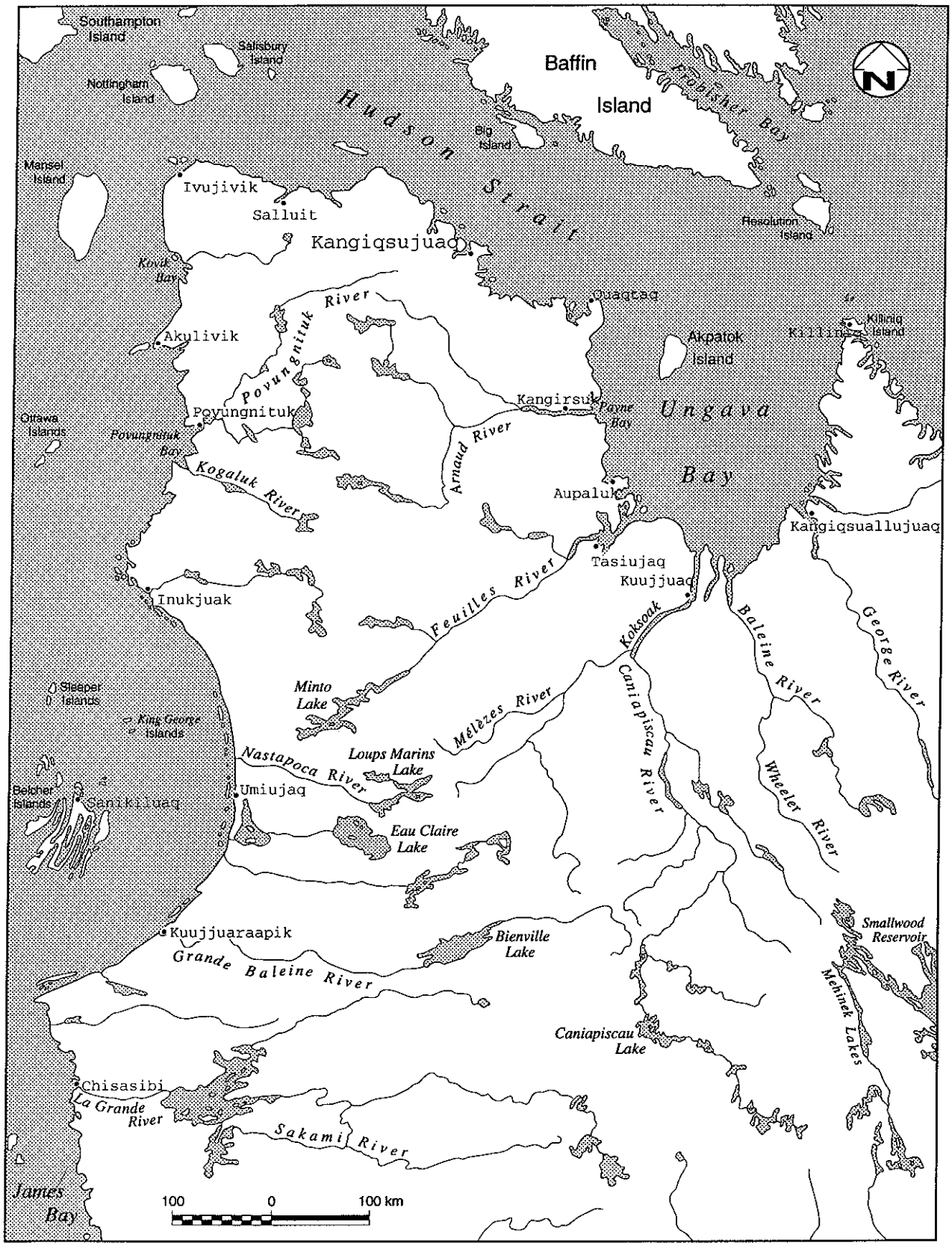


Figure 1. Location of Kangirsujuaq, Nunavik.

The Qajartalik Site (JhEv-1)

Introduction

The JhEv-1 site is located at the northeastern extremity of Qikertaaluk island on a small peninsula named Qajartalik, which literally means "the place where there is a qajaq". Qikertaaluk is situated in Whitley Bay, roughly 40 km southeast of Kangirsujuaq (Figure 2)[1] . Fieldwork at this location started on July 12 and was completed on July 25, 1998.

Preliminary Results

The objectives of this third visit was to continue gathering information on the state of preservation of the outcrops, as well as to pursue the identification and recording of the engravings, and start removing some of the surface deposits on blocks B and C. We also concentrated on identifying more precisely the Dorset and Thule (including modern Inuit) extraction zones scattered throughout the 2 major blocks. Finally, one other test pit has been open to the south of block B at the foot of the 2 fallen slabs (Figure 3).

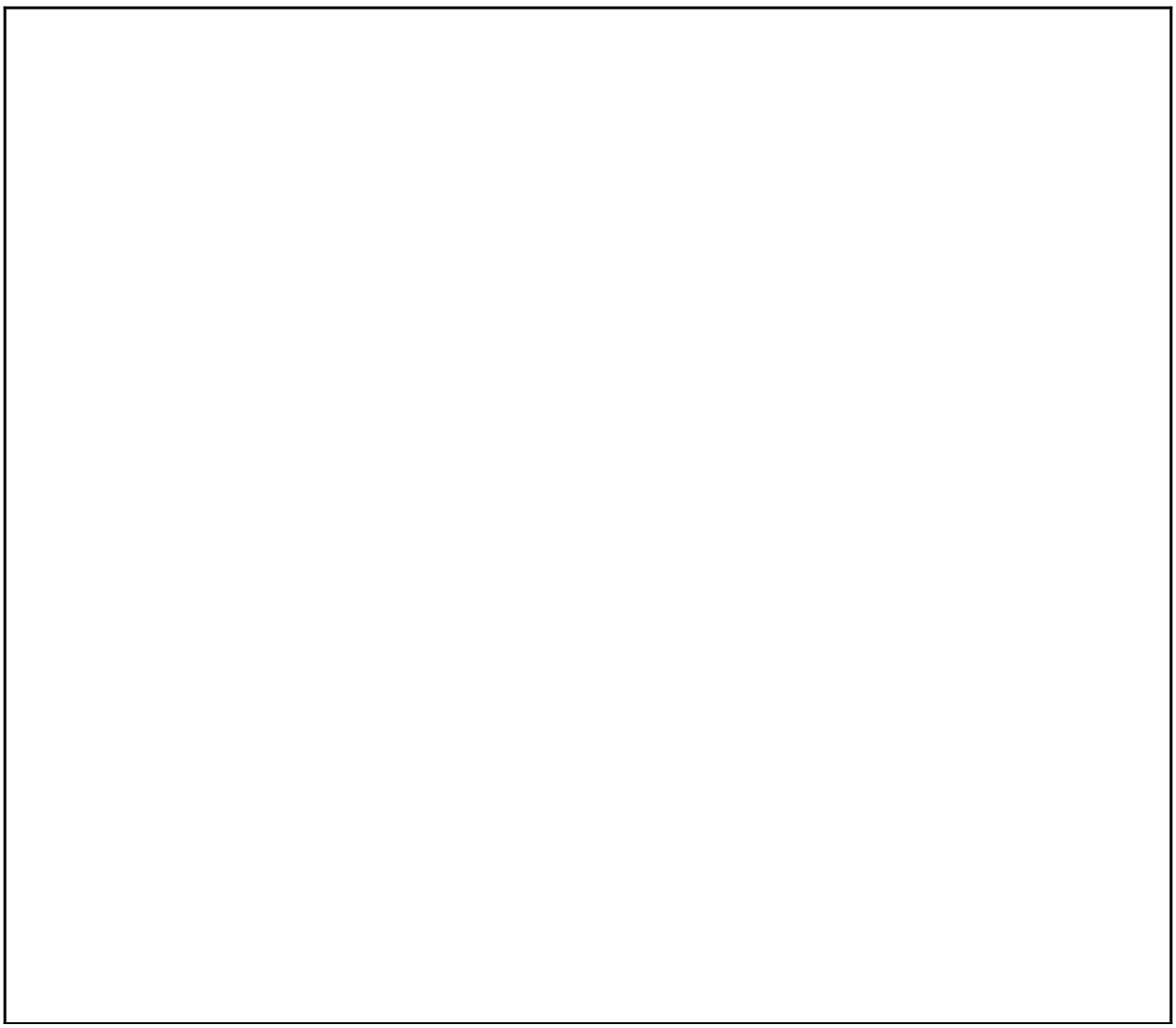
- **State of Preservation**

The general state of preservation of the 3 outcrops is influenced by numerous variables, but the rate at which most of them affect the outcrops are difficult to evaluate at the present time because of the lack of comparative data. We can perceive the long-term effects of windblown material, snowfall, rainfall, freezing and thawing, lichens growth on the soapstone blocks, but there is no easy way to measure their increase on a yearly basis. Thus, most observations made are currently punctual. We can observe a slight deterioration on portions of the 3 blocks, most notably on the expanding cracks resulting from the accumulation of water, and its subsequent freezing and thawing events. Also, weathering and surface erosion on the major surfaces of outcrops B and C are important, as is the case for one portion located on the northern face of block B where the surface is literally melting away. This might be related to the poor quality of the soapstone in this area, which seems to contain a higher percentage of calcareous rock. However, this phenomenon is not observed elsewhere on the site.

Erosion and weathering traces are quite visible on at least 75% of the engravings. However, the rate at which the engravings are eroding away is difficult to ascertain at this time. Also, we need to consider the fact that not all engravings have been carved in the same way. Some are characterized by very deep grooves, and these are amongst the most visible one. Others were done using different techniques, which involved only scratching of the surface or hammering the surface. But in all instances, there are examples of heavy weathering and erosion. Thus, their locations on the blocks are also important in measuring their rates of disintegration. More or less horizontal areas directly exposed to wind, rain and snowfalls would likely be the first to be affected.

We have mentioned in the past (cf., Avataq Cultural Institute 1997; 1998) the probable impact of lichen growth on the outcrops. Because lichens feed from the mineral present in the rock, they have a tendency to affect in the long-term the integrity of the soapstone. Although this remains true, it appears that at least the predominant lichen variety would have a protective effect on some of the engravings by acting as a shield against active erosion agents. In the long run these lichens will have negative impacts too, but in the meantime we decided that leaving them in place was the best protection for the engravings until a more permanent solution can be found. Removal of the li-

[1] See Avataq Cultural Institute, The 1996 Petroglyph Project: Phase I. Interim Report (December 1996) for a description of the Qajartalik site.



Qajartdik and Qikirtaaluk Islands. (25 El5 E-E & 25 El6 0-W)

Sites excavated or sampled in 1998 are underlined.

Figure 2 Qikertaaluk, site locations.

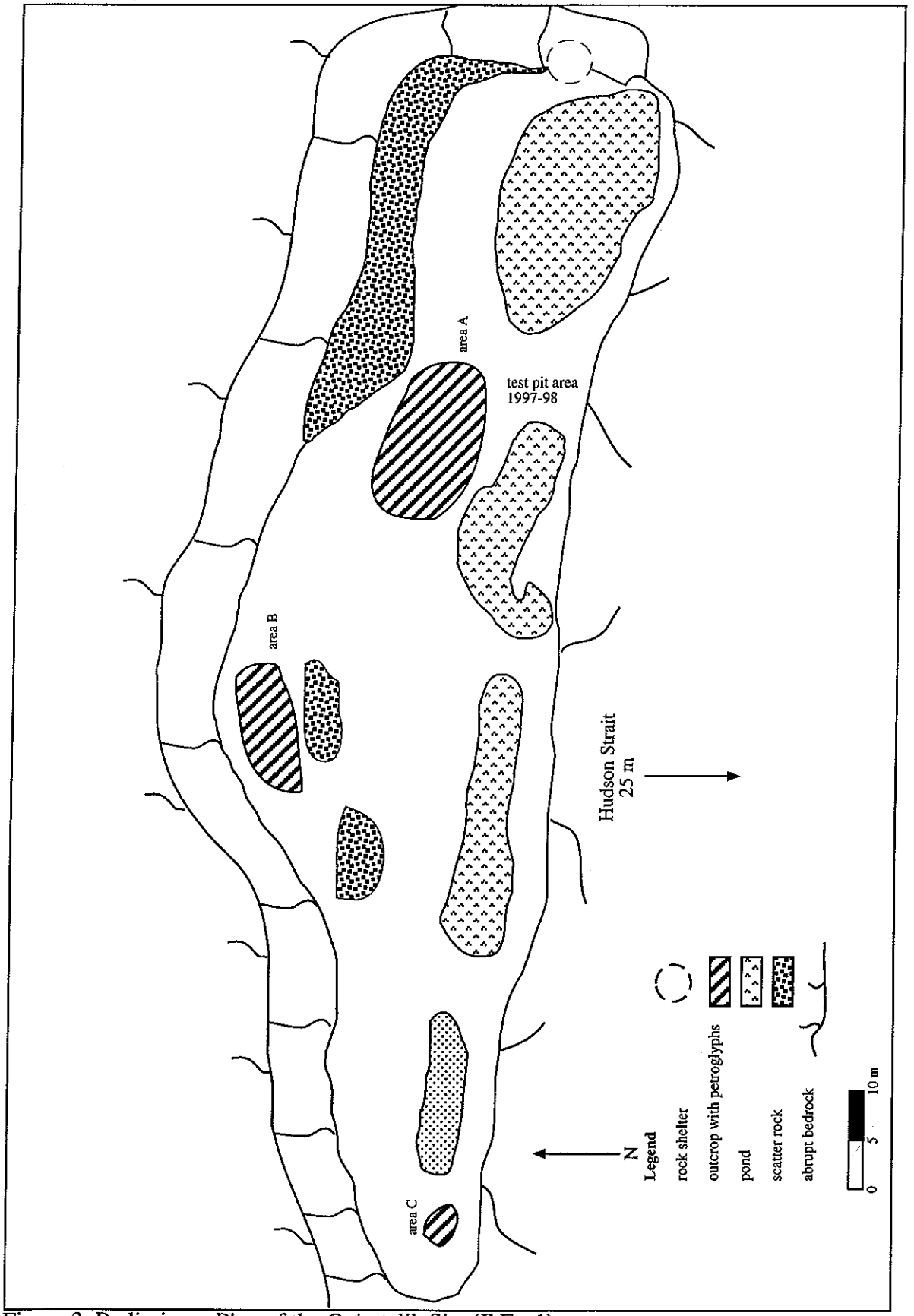


Figure 3. Preliminary Plan of the Qajartalik Site (JhEv-1).

chens was also postponed until we can determine the safest way to eradicate them from the blocks without further damaging the latter.

In order to get some idea of the rate of deterioration, we hope to be able to compare their current state with photos that were taken in the early 60s by Saladin d'Anglure, as well as with clichés taken in the 1970s and 1980s.

- **The engravings**

In the early 1960s, Bernard Saladin d'Anglure had identified 95 faces at Qajartalik (Saladin d'Anglure 1962). At the end of the 1996 season we had brought the total to 115 engravings. In 1997, 35 new engravings were added, bringing the total to 150. The continued examination of the 3 outcrops resulted last summer in the addition of at least 15 new engravings. Most of these new faces are very difficult to see, and are invisible when lighting is inappropriate.

The stylistic analysis of the engravings is still preliminary. However, we can already confirm that the subdivision in 2 main types, with several sub-types, presented by Saladin d'Anglure in the 1960s (1962), was sketchy at best. The variety of faces visible at the site is much more important, and more complex. At least 4 main types can be identified clearly, and others are variations on these. This analysis also considers more variables than Saladin d'Anglure did: the general shape; the facial details (i.e., eyes, nose, mouth, and other facial attributes), their treatment, the size of the engravings, and the techniques involved in making them (grooving, scratching, hammering, etc.).

The majority of the engravings possess anthropomorphic attributes, although none of the faces actually represent a human figure. However, a single engraving does not conform to this pattern. This engraving is located on the surface of block B, near its western extremity. It does not exhibit the complexity observed in the other engravings. It is simply a more or less circular shape with 2 dots where the eyes would be, and a single groove that starts between the 'eyes' and ends two-third of the way. When examined closely, this engraving looks vaguely like an 'owl' figure.

- **Extraction Zones**

In 1996 and 1997, we had made observations on the recent (i.e., Thule and/or historic Inuit use of the location) extraction zones that were readily visible on the 2 major outcrops (Avataq Cultural Institute 1997; 1998). In 1997, we also started to notice these 'nodule' shapes, and small oval depressions in different sectors of the 2 large outcrops. They appeared to represent a previous use of the quarry, although at the time we did not link them directly to extraction activities. After an exchange of e-mails with Mr. Chris Nagle of the Smithsonian Institute, we had decided to pay a closer look at these depressions because they fit the description of the Dorset extraction zones identified at the Fleur de Lys quarry site in Newfoundland.

Close examination of the 2 major outcrops yielded over 150 of these Dorset extraction zones. They are generally oval in shape measuring 20 to 30cm long by 15 to 20cm wide (Some are smaller, others bigger). Some appear to have been abandoned prior to the extraction, the outlining shape of a bowl or lamp preform is still in place. In other cases, a small protuberance occupies the center of these depressions, indicating that the desired preform was obtain and extracted. Another interesting aspect of these depressions is that they exhibit negative imprints of the tools used for the extraction. The shape and size of these finer imprints suggest that they were made using an end scraper or a similar tool. The crushing of the outer portions of the depressions would have been obtained using a coarser object.

It was planned to start removing the sandy deposit present on the major outcrops. We started this exercise on a small portion of block B (1.00 x 0.50 m). To our surprise, this sandy deposit turned out to be an accumulation of over 30cm of sand from which thousands of soapstone flakes and

debris exhibiting percussion marks were recovered. Along with these flakes we also found 5 complete 'choppers'. They are crudely made, and only the distal portions have been modified bifacially. These tools, the first recovered from the Qajartalik site, were probably used to rough out the extraction zones. Once these zones were delineated a finer tool could then be used to prepare the preform prior to extraction. The large choppers could then have been used again to remove the preform, which could have been completed on location or brought elsewhere.

Four other extraction zones were identified under this sandy deposit. However, unlike the ones that are exposed to air and lichen growth, these extraction zones are 'intact', and offer a clearer picture of the work involved in extracting the preforms. The use of a scraper-like tool to delineate the preform is even more strongly suggested in these cases.

Lastly, in identifying the extraction zones we also noticed that some of these had affected some of the engravings (i.e., part of the face is missing). Conversely, some engravings have been carved inside extraction zones. These occurrences indicate that, during Dorset times, the quarry was used both for procurement and for 'spiritual' purposes concurrently or at the same time.

- **Test Pit**

One new test pit was excavated immediately to the south of the 2 fallen soapstone blocks (originally from block B), to complement the information gathered in 1997 (Figure 3). As the previous testing was inconclusive in revealing any useful data, we decided to open an area of 2 m x 1m immediately to the south of the 2 blocks. Once again, we were hoping to identify other petroglyphs, and collect datable material. However, we quickly realized that the underground water had completely disintegrated the surface of the larger block eliminating any possibility of finding new engravings. Also, we were not able to retrieve any organic material, nor any artefacts from this test pit.

- **Artefacts**

Finally, we did collect one other artefact from Qajartalik. Louis Gagnon found it by accident under the rubble immediately to the north of block B. The lamp preform affects an oval shape, and partial measurements are 9.5 x 7.5cm. Part of the lamp preform is missing. The outer portion is slightly convex, while the reverse has been partially worked. The preform was probably broken before it was finished. On both surface we can identify scraper-like marks. It is similar in shape and size to the small lamps generally associated with Late Dorset occupations. This object is the first 'diagnostic' artefact collected from this site.

Archaeological Excavations

JhEv-33

The JhEv-33 site occupies a small boulder field in the western portion of Qajartalik (Figure 4). The site is composed of 3 tent rings, 2 cache pits and 1 cache. The occupation traces are located between 32 and 35 m.a.s.l. Structure 1 is a bilobate structure with a clearly defined mid-passage. The other 2 structures are respectively oval and circular in shape, and both are lacking a mid-passage.

In 1998, we finished the excavation of the Structure 1 that was started in 1997 (Avataq Cultural Institute 1998). We also completely excavated Structures 2 and 3. The dimensions of Structure 1 are 2.50 x 3.00 m, and the mid-passage is oriented E-W (Figure 5). In and around the Structure patches of vegetation are present. There is no stratigraphic profile *per se* the excavated layer being composed of boulders intermixed with sandy inclusion. The average depth of excavation was 30 cm. In this type of context, the artefacts are found in-between the boulders at variable depth. The living soil being the surface, the vertical location of artefacts is not important. Generally, the smaller the object the deeper it will be found. No organic material was identified as such, but the sandy deposit near the mid-passage section of the NE quadrant contained a high level of carbonized sand, and traces of carbonized grease. The artefacts are more numerous in the southern part of the structure, and in the northern part mostly flakes where found (cf., Figure 5).

Structure 2 and 3 are shallow depression (less than 10 cm in depth). No internal features are visible. The structures are located in a vegetation-less portion of the boulder field. As was the case for Structure 1, the artefacts are found in-between the boulders. Again, there is no stratigraphic profile to speak of the whole layer being composed of boulders. However, the sandy inclusion observed in structure 1 is absent here. Structure 2 is oval in shape and measures 3.10 x 3.60 m and is oriented N-S (Figure 6). Traces of charcoal were observed in the NE quadrant, but not in sufficient quantity for conventional radiocarbon dating. The number of artefacts found is relatively low, and they are mostly concentrated in the northern section of the structure. Structure 3 is also oval in shape and is 2.50 x 3.00 m in dimensions and is oriented E-W (Figure 7). Artefacts are more numerous than in Structure 2 and they are distributed more evenly with a flake concentration in the SE quadrant. Also, a dozen bone fragments were collected in the NW quadrant. However, these fragments are too small for species identification, but they seem to belong to sea mammals.

The JhEv-33 lithic collection comprises 42 tools or tool fragments. The majority of the artefacts are in milky quartz; chert, quartz crystal, and Diana quartzite are also present in small numbers. Three complete points were found: one stemmed triangular point in Diana quartzite, and 2 stemmed triangular in milky quartz. Another point fragment in chert has an interesting characteristic: it has finely serrated edges reminiscent of Independence I end blades. Amongst the other tools that were collected, we found a knife and 2 end scrapers in milky quartz, 8 microblades and 2 burin spalls. An abrader in quartzite was also found on the surface near Structure 1.

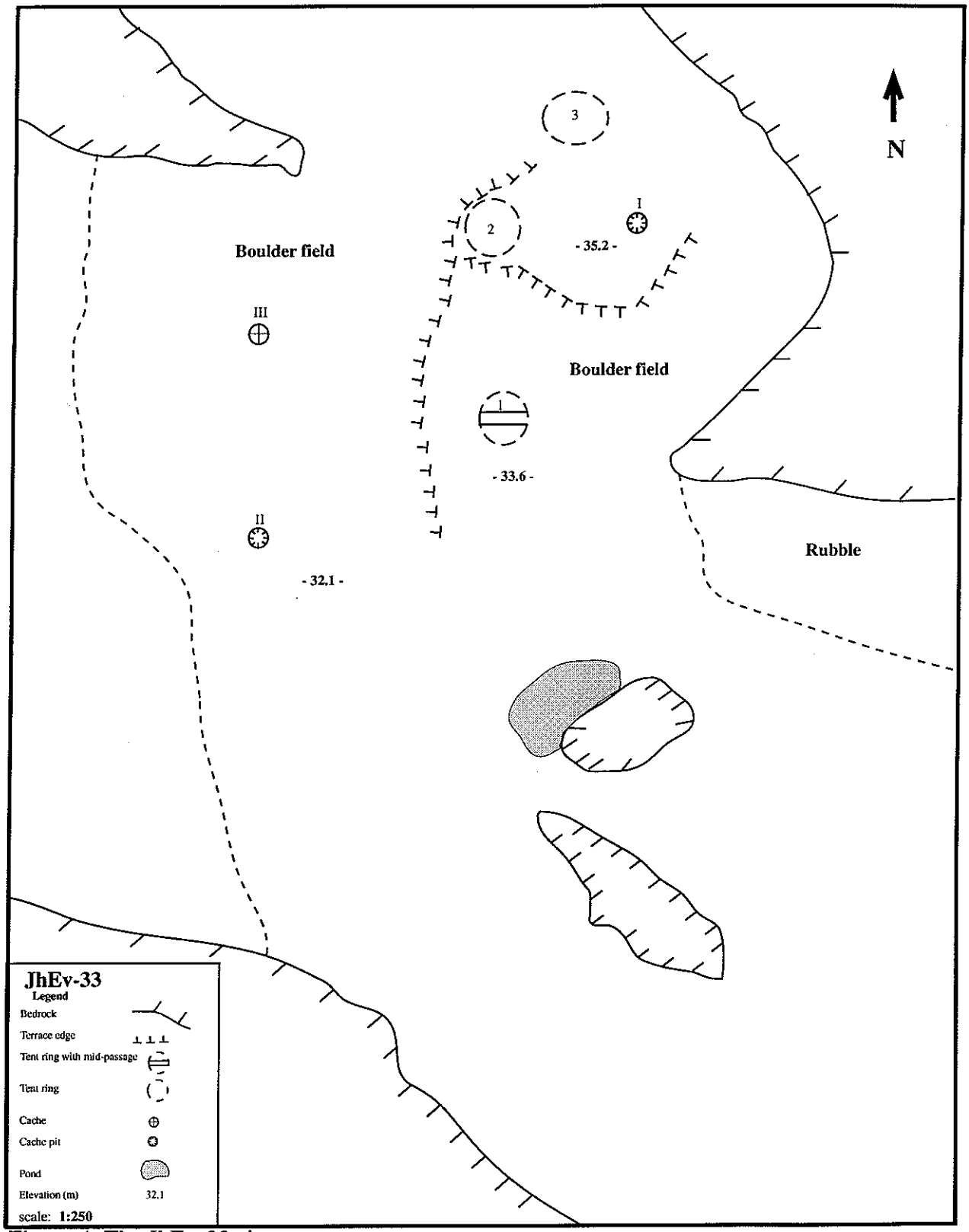


Figure 4. The JhEv-33 site

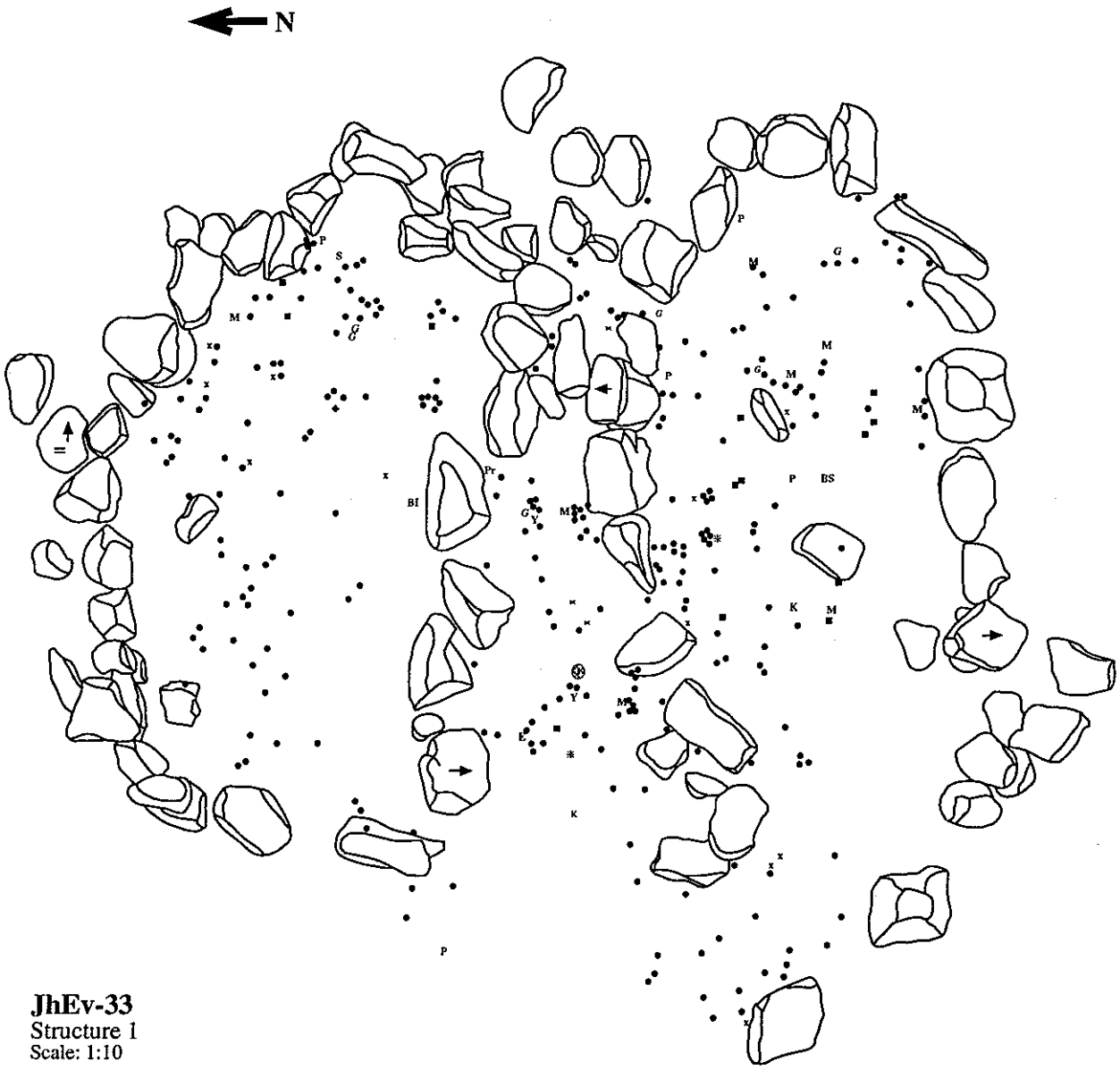


Figure 5. The JhEv-33 site, Structure 1, after excavation.

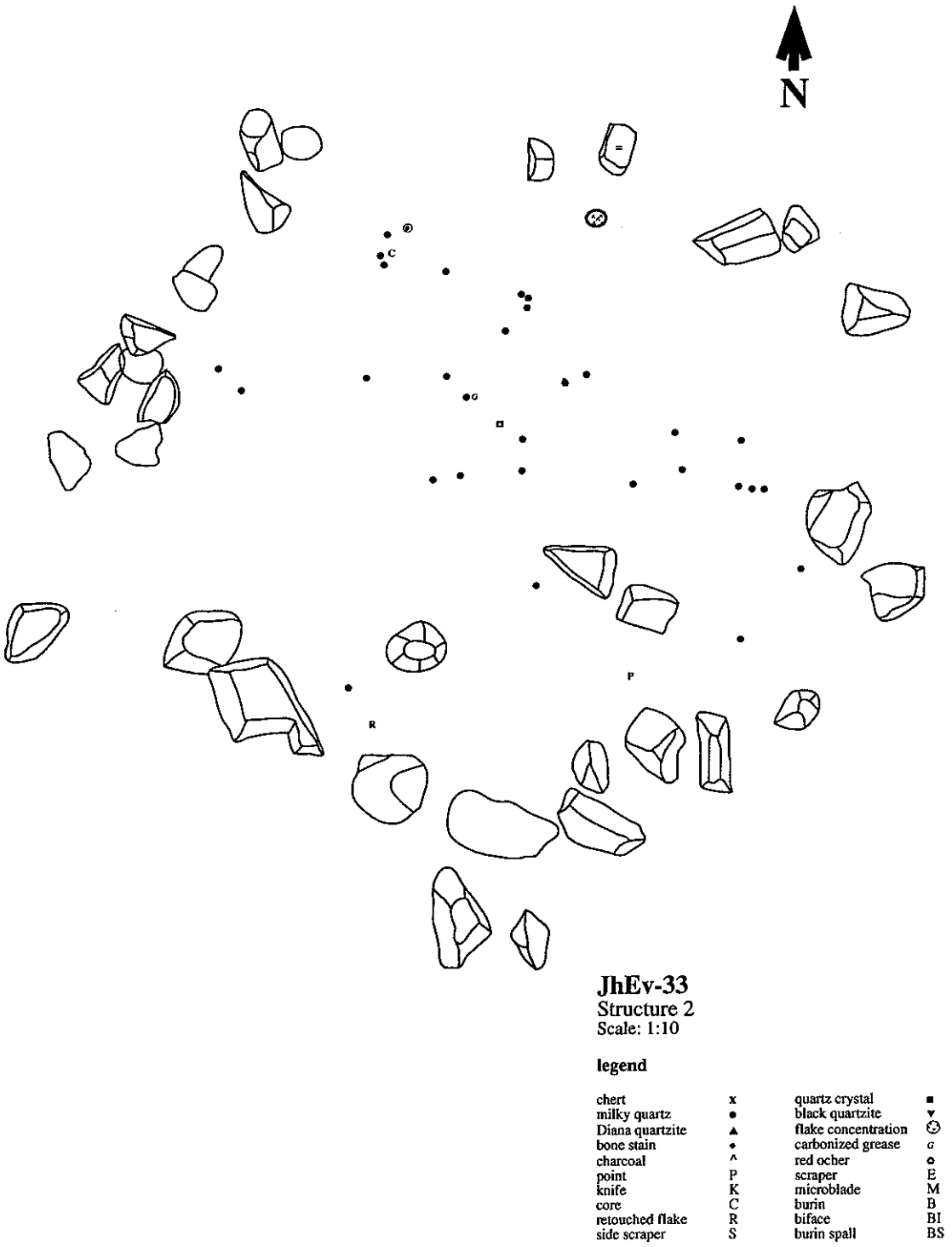


Figure 6. The JhEv-33 site, Structure 2, after excavation.

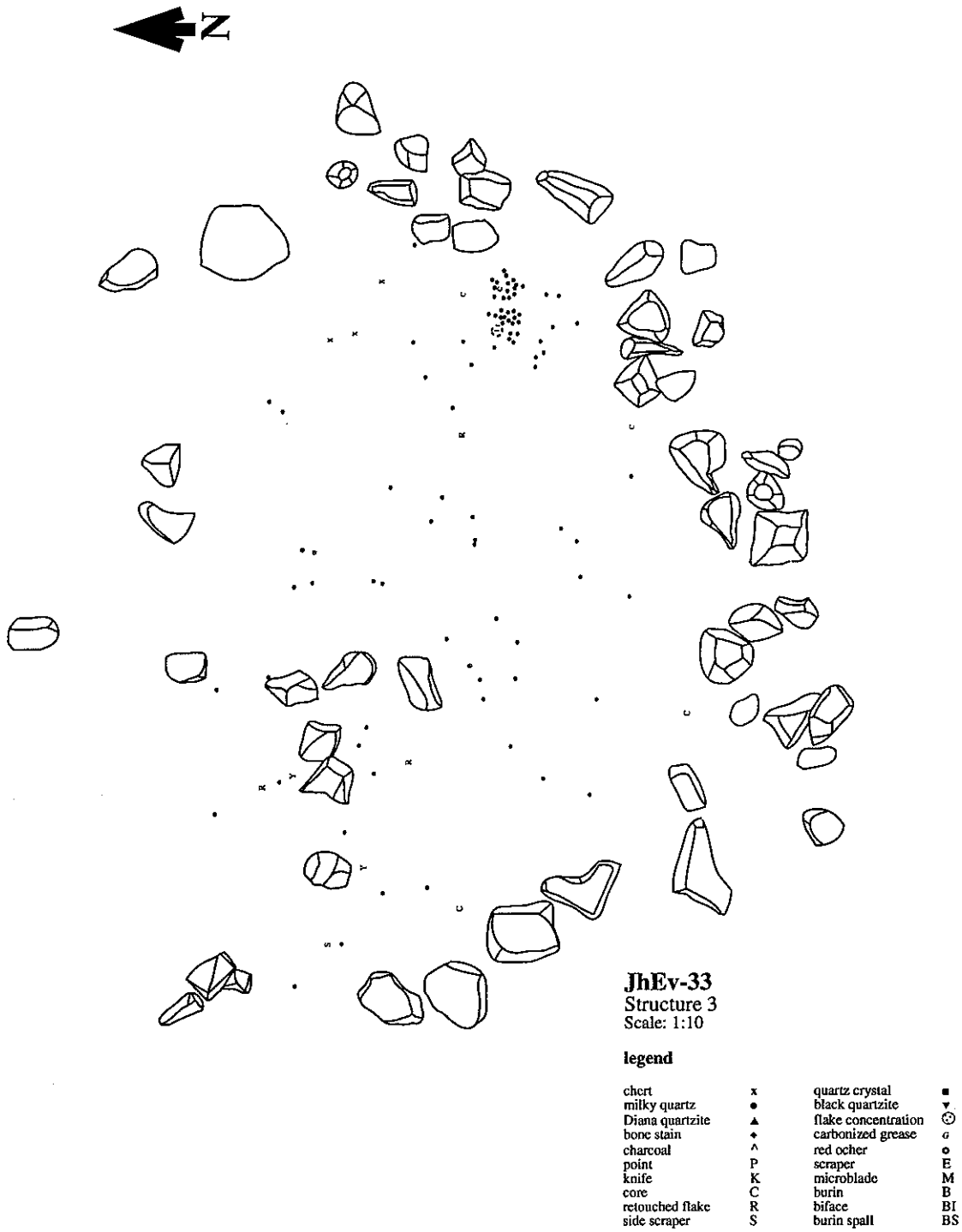


Figure 7. The JhEv-33 site, Structure 3, after excavation.

Other Sites

Four other sites were also sampled in 1998. All of them had been inventoried in 1996 and 1997, but no testing had been done at the time of discovery, except for surface collection on 3 of them (Avataq Cultural Institute 1997; 1998). These site are JhEv-9, 12, 13 and 39. All these sites are situated in the northwestern part of Qikertaaluk Island (Figure 3).

JhEv-9

The JhEv-9 site was first discovered in 1996. At the time, we had observed 5 tent rings, and a few scattered artefacts, but no plan was made. Thus, our first task last summer was to prepare a field plan of the site. The site is now comprised of 12 tent rings, including two with a mid-passage, and 4 features: 2 hunting blinds, one exterior hearth and one lithic workshop (Figure 8). More structures could eventually be identified in the western portion of the site at lower elevations. All the tent rings were sampled with 0.50 x 0.50 m^2 test pits. Positive test pits occurred in all tent rings, with the exception of structures 5, 6 and 10.

The lithic collection is comprised of 20 tools and tool fragments, and all are in quartz, and mostly of the milky variety. All debitage is also in quartz, with a single chert flake. The elevation of the site (i.e., 30.0-31.0 m.a.s.l.), and the tool types suggest an Early Palaeoeskimo affiliation for this site.

JhEv-12

The JhEv-12 site, which is located less than a kilometre to the north of JhEv-9, was initially discovered in 1996, at which time a sketch of the location was made, as well as a surface collection in a sand deflation. The main feature of this site is a rock alignment 60m long with a stone circle at each end (Figure 9). The 2 stone circles were tested and also some test pits were done along the alignment; each test pits measured $1m^2$. Stone circle 1 (renamed Structure 1) is situated at the west end of the alignment. Six test pits were excavated and 5 were positive. The test pits in Structure 1 revealed also a stone pavement. Structure 2 (formerly stone circle 2) is at the north end of the alignment. Eight test pits were excavated; 6 in the southern section and 2 in the northern section. The latter 2 were negative. As in Structure 1, part of a stone pavement was found. In both cases the pavement seem to be the extension of the rock alignment or at least in continuation with the alignment. Finally, of the 5 test pits excavated along the alignment, 3 were positive.

The artefacts recovered in both structures are mostly in milky quartz, but chert, slate and black quartzite are also present. Two flakes in slate exhibit some polishing. One triangular point in black quartzite was found in Structure 2. One side scraper and one end scraper in milky quartz were recovered from Structure 1. A microblade in chert was found in test pit 8 and a flake core in chert in test pit 10. Both of these test pits are located along the alignment.

Based on the artefacts recovered an Early Dorset affiliation may be considered for the JhEv-12 site. However, further excavations are needed to determine the actual function of this site.

JhEv-13

The JhEv-13 site is situated on the same crest as JhEv-12, and approximately 200 m to the northeast from the latter. Thirteen tent rings and two features were observed on this site (Figure 10). Seven structures were tested (0.50 x 0.50m test pit) and feature I, a 'doll house', was also tested. Of the several artefacts found on the surface, one was close to Structure 3 and the others were located near Structure 12, between the tent ring and the bedrock outcrop. Once again, milky quartz is the predominant raw material found on this site. Based on the artefacts collected so far, the presumed cultural affiliation for this site is Dorset.

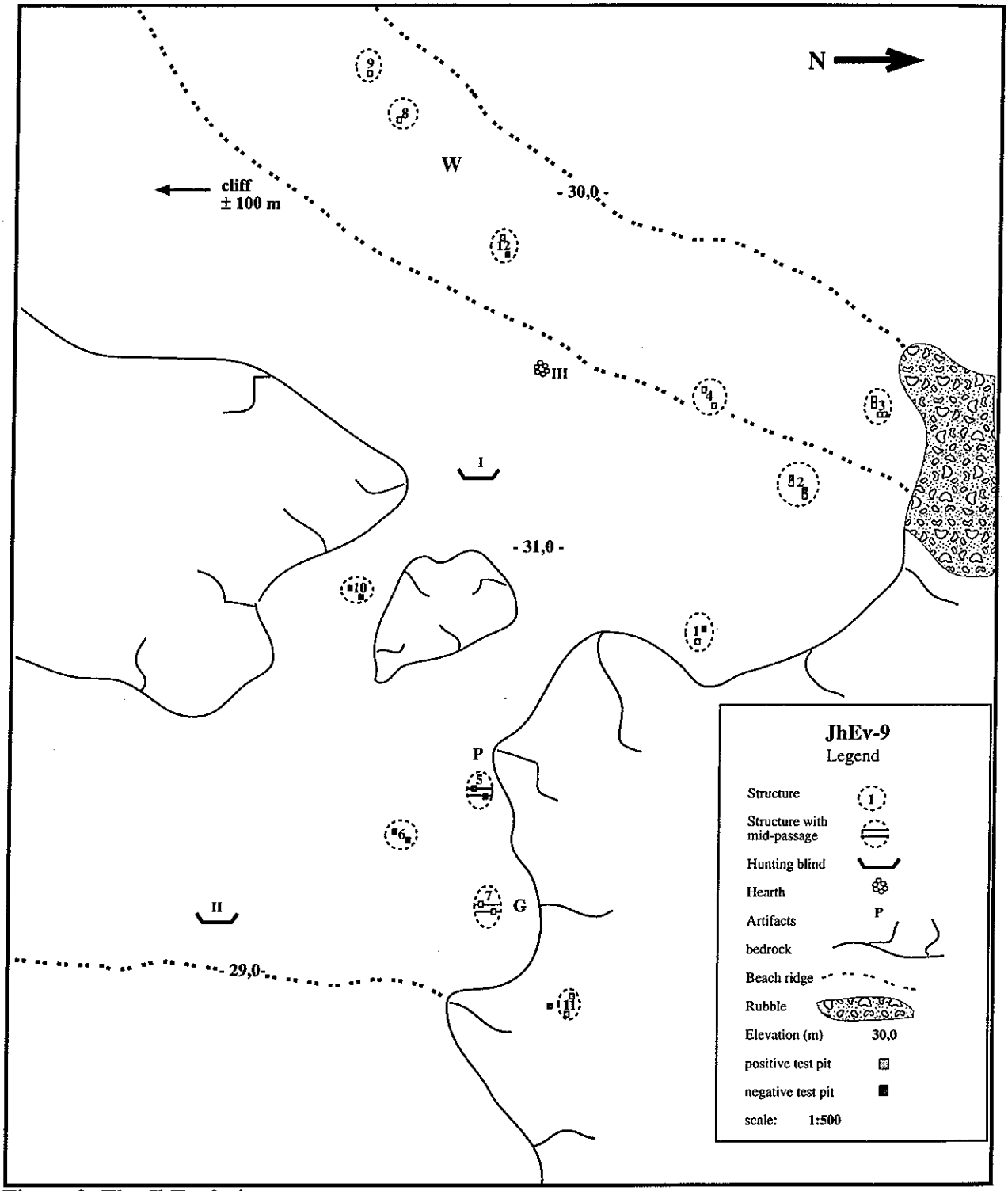


Figure 8. The JhEv-9 site.

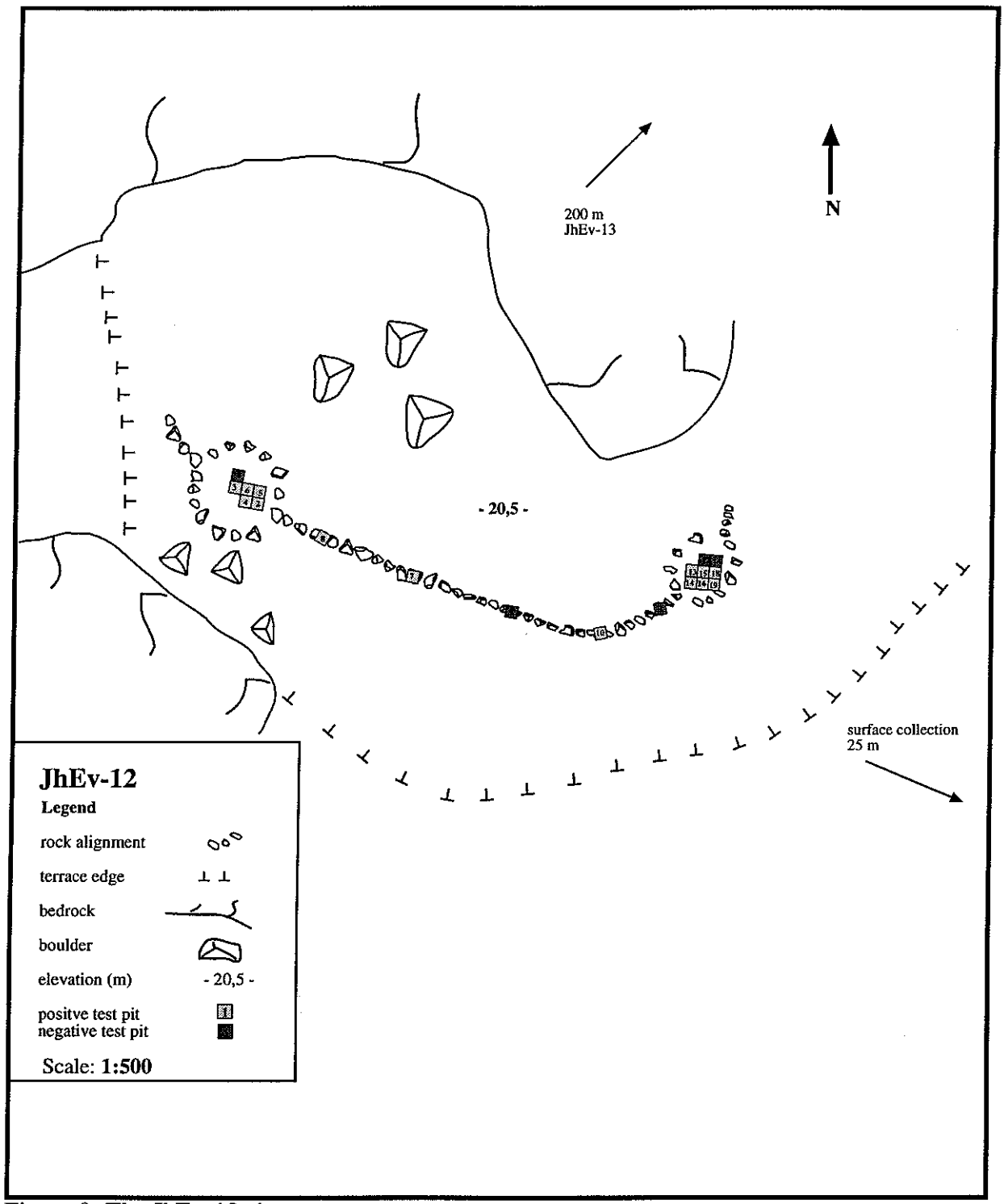


Figure 9. The JhEv-12 site.

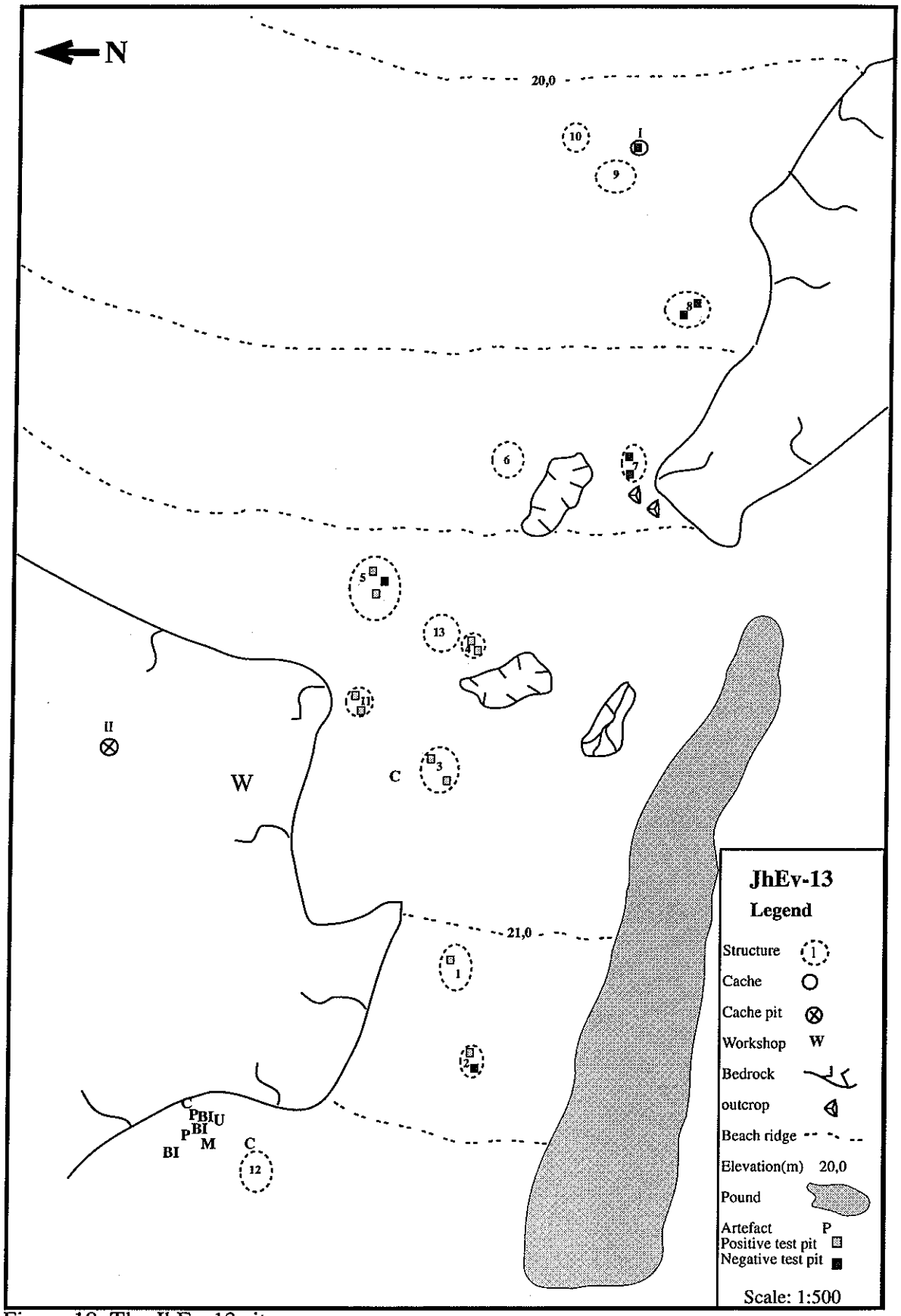


Figure 10. The JhEv-13 site.

JhEv-39

This site was first observed in 1997 (Avataq Cultural Institute 1998). It is situated near (± 300 m to the north) the JhEv-12 site. Like the former, the JhEv-39 site's main feature is a rock alignment (Figure 11). This alignment is more or less a straight line measuring 19 metres in length with two alcove-like features visible at each end. We also identified 4 tent rings, one with a mid-passage. Several more habitation structures could eventually be identified in the southern part of the site. All tent rings and the two alcove-like features were tested. However, the test pits in Structure 1 and in the southern alcove-like feature were negative. All tools visible on the surface were collected. Once again, milky quartz is the predominant raw material. The occupations of this site are definitely Palaeoeskimo in origin (some elements suggest a Pre-Dorset presence, while others indicate a Dorset occupation). However, a more precise attribution will need supplementary work.

1998 Survey Results (Figure 12)

Aivirtuuq (Figure 13)

One of the goals of the survey on the Aivirtuuq Peninsula was to re-locate the JiEv-4 site. As reported by Plumet, this site is characterized by a long house structure (Plumet 1985; Aménatech 1984). However, we were not able to re-locate this site at this time. We will have to check the registered information for inaccuracies, and attempt another re-location in 1999.

During the brief survey of this Peninsula, 3 new sites were located: one Palaeoeskimo and 2 historic Inuit (Table 1). Of the 2 historic sites one is peculiar. The JiEv-15 site is some kind of midden essentially composed of bones scattered at the foot of a cliff. The 'midden' is located 1 kilometre from the closest shoreline, which in itself is kind of interesting because bone preservation is still quite good, and most of the artefacts collected are generally fairly recent. Also, the bones are principally of marine mammals (i.e., large whale, walrus, and seal), but some caribou bones were also observed. Among the bones several artefacts were found, including several bone and wood knife handles, metal knife blades, cup, metal stove fragments and soapstone pot fragments. We also found two cartridges. Nobody among the Elders of Kangirsujuaq knows of that location or remembers large whale hunting in the region. However, the location could have been used at least during the 19th century, without anybody remembering it, as it is suggested by most of the manufactured implements. An earlier use could also be considered, but it will necessitate further examination and testing of the site.

Site	Geographic Coordinates	U.T.M.	Altitude (m.a.s.l.)	Cultural Features	Cultural Affiliation
JiEv-13			30	5 tent rings, 1 heavy tent ring, many possible structures, 1 cache	Palaeoeskimo
				2 large tent rings, llarge cache, 2 hunting blind, 1 12m long row of large boulder	Historic
				Large butchering site, large whale, walrus,seal, caribou bones, artifacts visible on the surface	Historic

Table 1. Sites located on Aivirtuuq Point, 25 El5 East 25 El6 West.

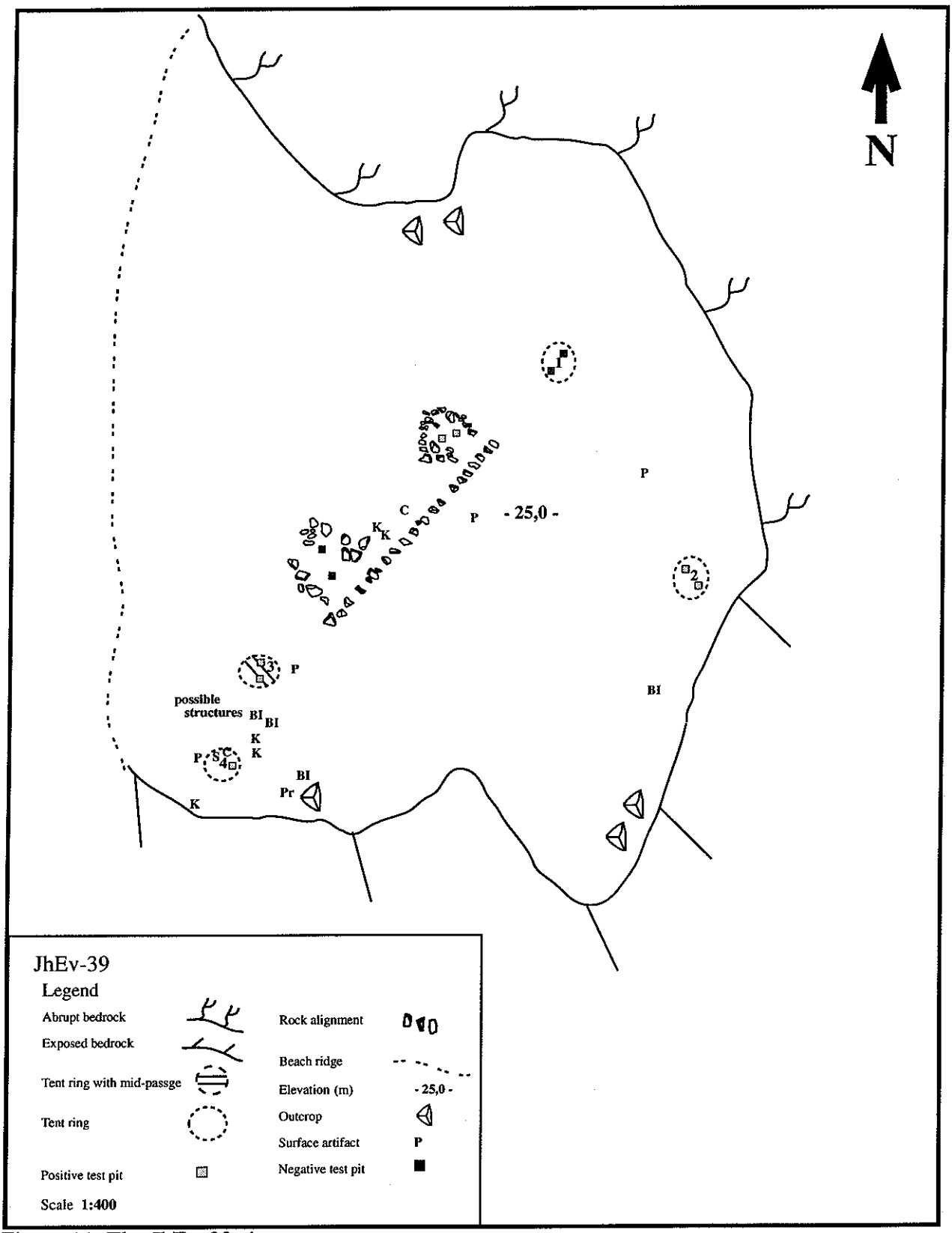


Figure 11. The JhEv-39 site.

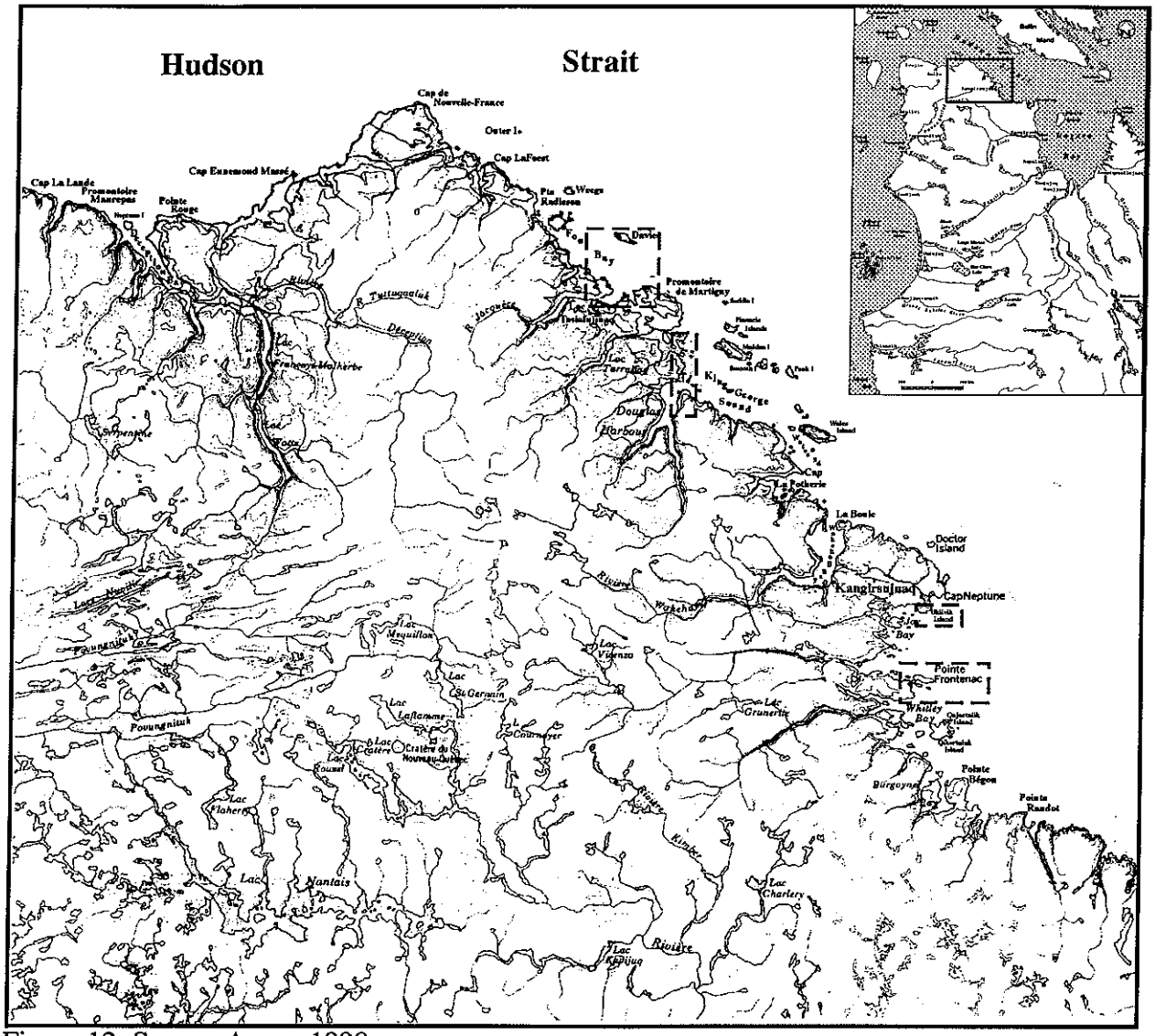


Figure 12. Survey Areas, 1998.

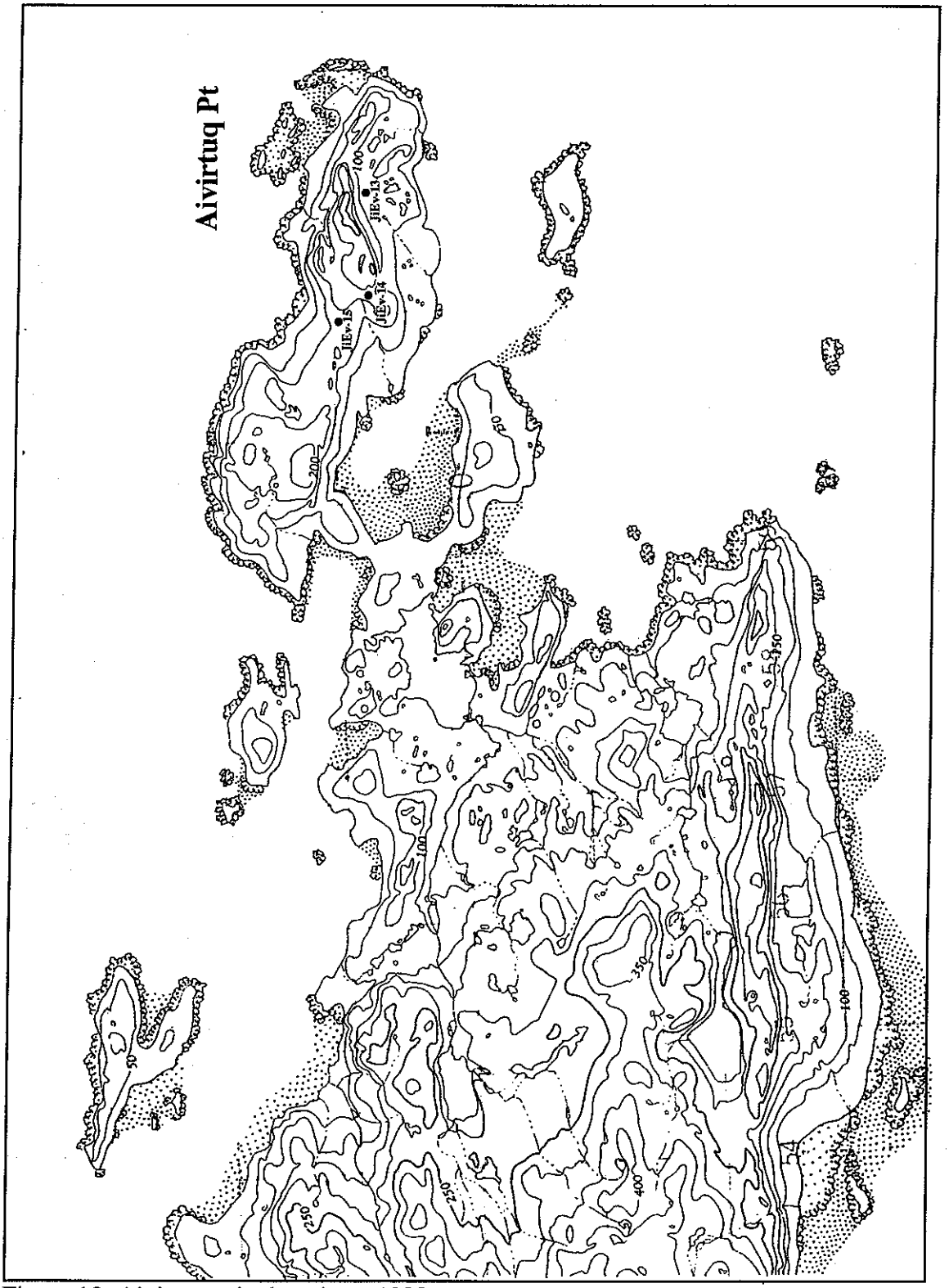


Figure 13. Aivirtuuq site locations, 1998.

Ukiivik (Figure **14)**

The main purpose of the Ukiivik island survey was to have a new look at the sites that were previously identified in the late 1960s and in the 1980s (Barré 1970; Labrèche 1989). We also wanted to cover portions of the island that were apparently never explored in the past. Finally, we wanted to locate a possible milky quartz quarry that had been mentioned several times in the past by different authors. However, we did not find a 'quarry', but many quartz veins are actually present on the island. As was the case in Burgoyne Bay (cf., Avataq Cultural Institute 1998), these veins might actually be the source we sought after, but none exhibited traces of extraction like the Burgoyne Bay veins. Five new sites were found all of them belonging to the Palaeoeskimo period (Table 2). One of them, the JjEv-16 site has a Neoeskimo component. The JjEv-17 site is a Dorset winter site with 3 semi-subterranean dwellings (Figure 15).

Table 2. Sites located on Ukiivik Island, 25 El12 E-E & 25 Ell1 W-W.

Qanartalik (Douglas Harbour) (Figures **16 & 17)**

The coast in and around Douglas Harbour is mountainous and abrupt exhibiting few descent places for camps. We concentrated our efforts in those few locations. The majority of the sites found are warm-weather Neoeskimo camp sites (Tables 3, 4, 5, 6, and 7). Only 4 sites represented winter occupations: JlFd-I (first observed in 1977), JlFd-3, 7 and 9. It seems that winter was spent in snow houses or on the offshore islands. Several islands are present in the area, but strong winds prevented their inclusion in the survey work.

Site	Geographic Coordinates		(m.a.s.l.)	Cultural Features	Cultural Affiliation
JlFd-3			30 to 60	2 semi-subterranean structures, 3 possible structures, 6 kayak cache pits, 1 fox trap, many cache pits	Pre-Dorset
JlFd-4	N		20	3 tent rings, artifacts visible on surface	Dorset
JlFd-5			10	+ 10 heavy tent rings, many caches	Neoeskimo

Table 3. Sites located on Tinitiqi Island, 35 W15.

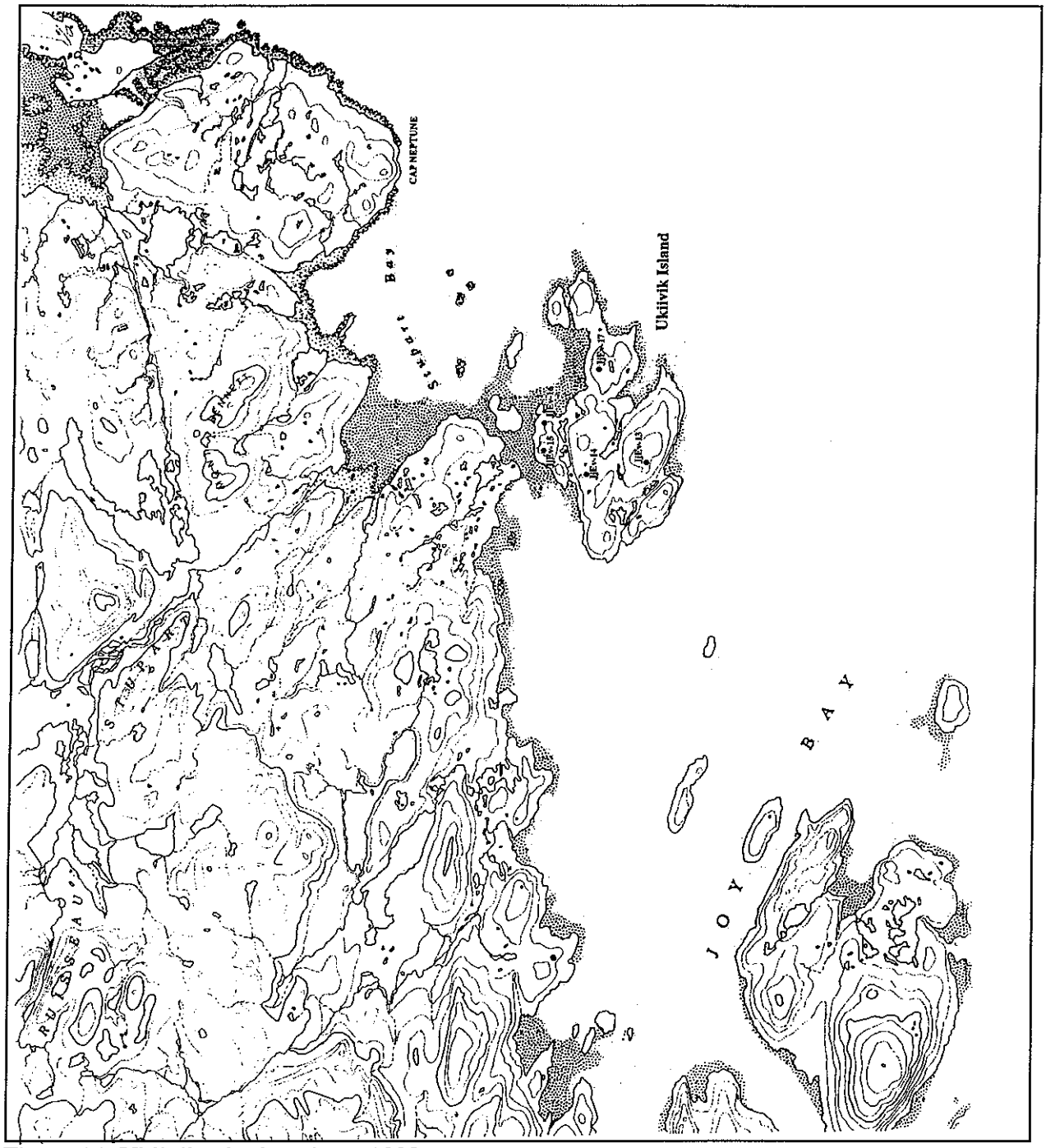


Figure 14. Ukiivik, site locations, 1998.

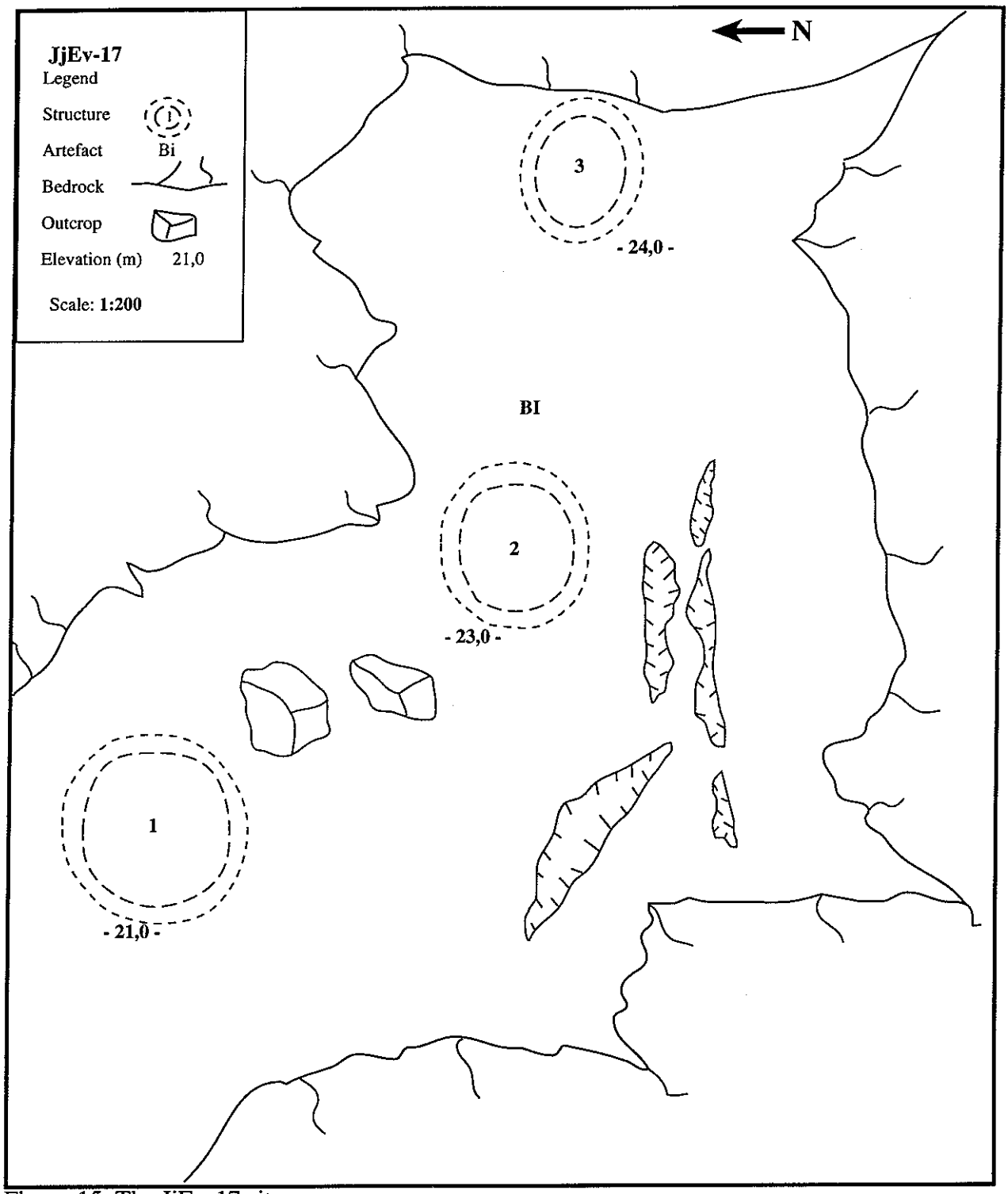


Figure 15. The JjEv-17 site.

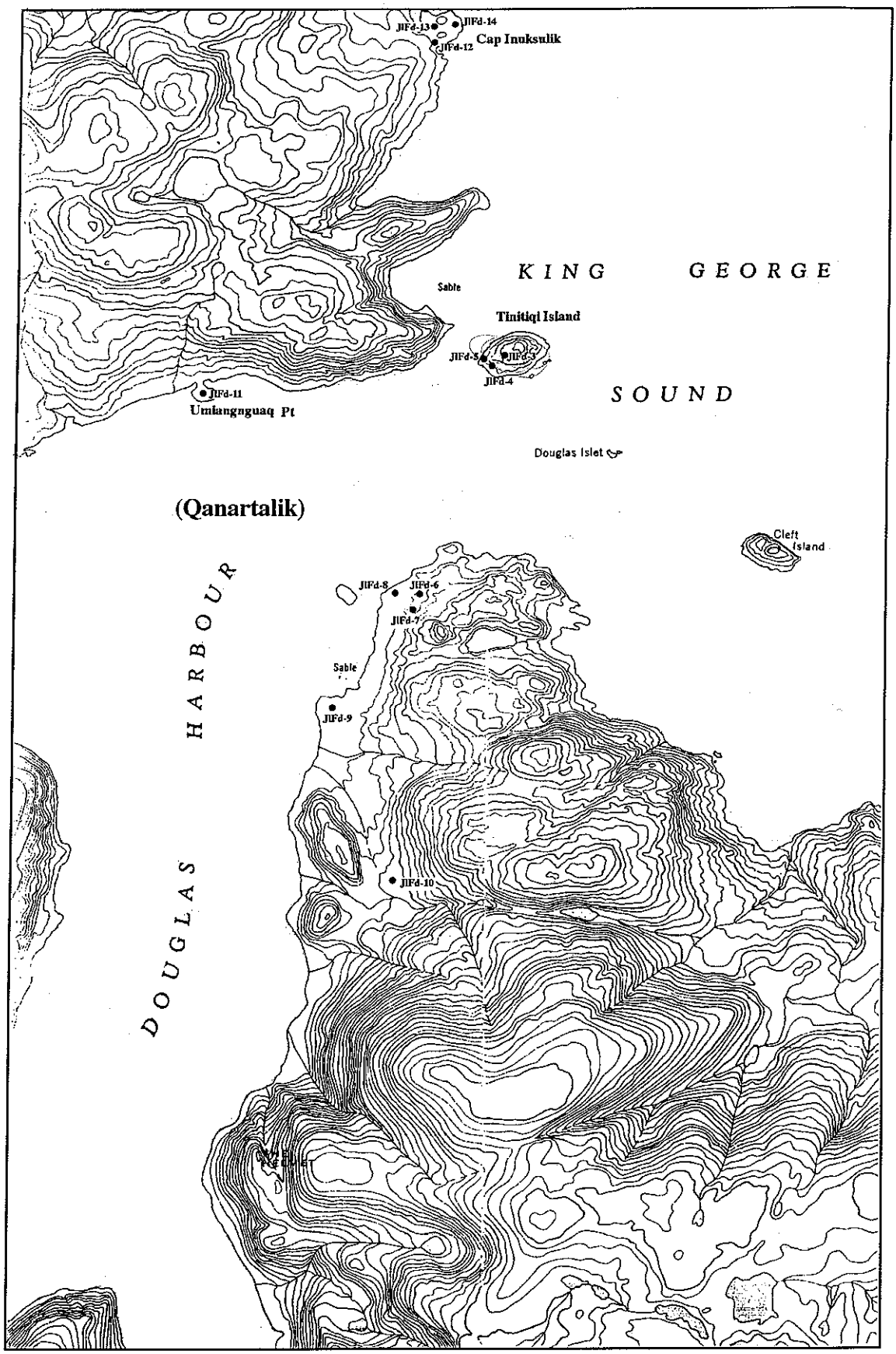


Figure 16 . Douglas Harbour, site locations, 1998 (35H/5).

Interesting features were found on the Neoeskimo JlFd-9 site. At approximately 50m from the semi-subterranean dwellings, there is a large stone structure, probably a wolf trap. In the other part of the site, among the tent rings there is a feature representing half of a stone kayak, including the seating place. This feature is believed to be for training the young people in the use of the kayak.

				alignment 100m long, artifacts visible on	
				wolf trap, 3 fox trap, 1 feature in the shaoe of half a kayak	
JlFd-10			50	3 tent rings, artifacts visible on surface	Palaeoeskimo
JlFd-11				Many tent rings, 2 kayak supports, many caches	

Table 4. Sites located in Qanartalik (Douglas Harbour), 35 H/15.

			Altitude (m.a.s.l.)	Cultural Features	Cultural Affiliation
KaFb-2			50	1 tent ring, 3 possible structures, many cache pits	Early Palaeoeskimo
KaFb-3			15	1 tent ring, 1 cache, 1 fox trap	Historic
KaFb-4			10	2 heavy tent rings	Historic
KaFb-5			40	1 tent ring with mid-passage	Early Palaeoeskimo
KaFb-6			15	2 semi-subterranean structures, 3 tent rings, 6 cache pits	Undetermined-Historic
KaFb-7			35	7 tent rings, 1 fox trap	Palaeoeskimo
KaFb-8		1	5 to 15	+ 15 tent rings, caches	Thule-Historic-Modem

5. Sites located on Niaqungnguutialuk Point, 35 V2.

tent rings, 1 cache,

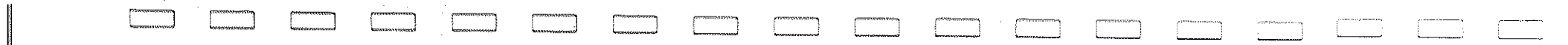
KaFb-13			8	8 tent rings, many caches	
KaFb-14	44" N		10	3 tent rings, 2 caches	
KaFb-15	W		10		Neoeskimo
KaFb-16			30	visible on surface	Palaeoeskimo
KaFb-17			10	20 tent rings	Historic-Modem

	Geographic Coordinates	U.T.M.	(m.a.s.l.)	Cultural Features	Cultural Affiliation
JlFd-12			5 to 15	12 tent rings, many possible tent rings, artifacts visible on surface	Dorset-Neoeskimo-Modern
JlFd-13			20	3 tent rings	Palaeoeskimo
JlFd-14	W		10 to 15	Many tent rings	Historic

Inuksulik Point. 35 H/15.

Tasialujjuap Kuunga (Figures **18 & 19)**

According to informants, this area is a good fishing place for arctic char and for sealing. At the mouth of the river, we mapped a large Neoeskimo winter site (KaFc-9), which comprises 8 semi-subterranean dwellings (Figure 20). Also, several tent rings were observed near that site. However, they were not included on the site plan. At the location of our base camp, in a small bay, we found occupation traces going as far back as the Palaeoeskimo period, and up to the Modem times (i.e., KaFc-23 and 24) (Tables 8 and 9). One of the site identified, a small Palaeoeskimo site, KaFc-12, is badly eroding away. However, the remains of 3 mid-passage structures can still be seen. A surface collection was conducted at this site. Most of the other sites found in this area are tent ring sites.



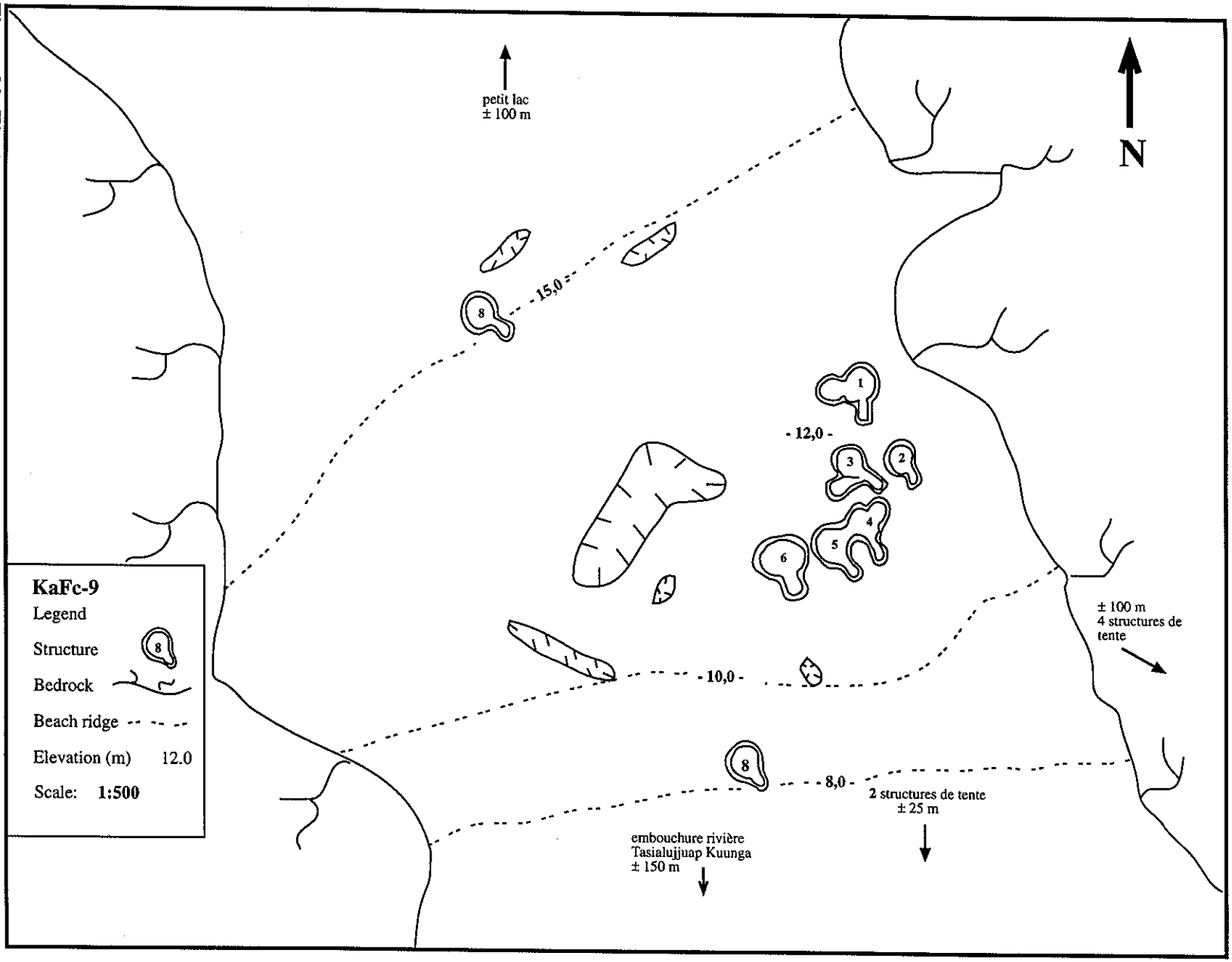


Figure 20. The KaFc-9 site.

		8 semi-subterranean		Neoeskimo	
KaFc-20	W		35	2 tent rings	Early Palaeoeskimo

Table 9. Sites located in Tasialujjuap Kuunga Bay, 35 V2.

Table 9 (continued). Sites located in Tasialujjuap Kuunga Bay, 35 I/2.

In Muriujuup Kangirsunga Bay (Table 9), 2 large Neoeskimo sites were found. The first, KaFc-29, is located on the east coast at the mouth of the Bay. This site is quite large and is composed mostly of tent rings and caches. However, one interesting feature was observed. It is a crescent-shape stone wall measuring 15m in length, and approximately 0.80m in height. Its function is unknown. Also, 3 kayak supports were found near the shore. The other site, KaFc-31, is located on the opposite coast. It is mostly composed of tent rings and caches. A modern cabin is also visible on the site.

Site	Geographic Coordinates	U.T.M.	Altitude (m.a.s.l.)	Cultural Features	
KaFc-25			5	3 tent rings, 1 cache	Historic
KaFc-26			30	1 tent ring	Palaeoeskimo
KaFc-27					Palaeoeskimo-Neoeskimo
KaFc-28				hunting	Palaeoeskimo
				in the center that may he structures, 1 stone	
					Neoeskimo

Another large site, KaFc-32, occupies a boulder field, and is located near the KaFc-31 site. It contains 7 semi-subterranean dwellings, many caches and cache pits, one hunting blind, 3 kayak caches pit and 2 umiak caches pits. Both a Palaeoeskimo and Neoeskimo affiliation are proposed for this site. Most of the other sites found in that Bay are warm-weather sites with Palaeoeskimo and Neoeskimo affiliations.

The Ullijuaq Island was, according to an informant, a good walrus hunting place in the past. The survey of a part of the island confirms this information, but only 3 sites were found past (Table 11). On the KbFc-2 the remains of 3 large caches and a good quantity of walrus bones can be observed on the surface. The other 2 sites are tent ring sites. One is Neoeskimo in origin (KbFc-3), and the other is Palaeoeskimo (KbFc-4).

Site		U.T.M.	Altitude (m.a.s.l.)	Cultural Features	Cultural Affiliation
KbFc-2			8	2 tent rings, 2 caches, many walrus bones on the surface	Historic
KbFc-3			20	5 tent rings, 1 cache	Thule
KbFc-4			35	2 tent rings, 1 cache pit, 1 stone alignment 3m long	Palaeoeskimo

Table 11. Sites located on Ullijuaq Island, 35 I/2.

Conclusion

The 1998 field research at Qajartalik was for the most part the continuation of the work initiated in 1996 and 1997. However, we were able to add new information concerning the use of the quarry during the Dorset period. These new data will permit us to examine in details the extraction techniques used by the Dorset people.

Dating the petroglyphs still remains one of our priorities. However, the different approaches considered until now have proven unsuccessful. At the present time, the indirect method (i.e., diagnostic artefacts or datable organic samples collected in the vicinity of the outcrops) would still be the most reliable. The more sophisticated methods are either impossible to use at this time (i.e., dating the organic contents, if any, present in the silicon deposit that recovers the outcrops) or the time range of human occupation is to limited (i.e., cosmogeny). We are also considering the use of lichenometry, but this method involves a long process of punctual observations before it can be of any utility to us.

There is still many years of work to be done at the Qajartalik site. The results of the 3 first years are very encouraging, and our knowledge of the site is increasing. Hopefully, 1999 will see the continuation of the fieldwork.

The excavation and extensive sampling of the Palaeoeskimo sites yielded interesting information, but unfortunately no datable material was recovered on these sites at this time. As was the case in 1997 with the JhEv-33 and 44 excavations (Avataq Cultural Institute 1998), the Pre-Dorset occupation traces found last summer exhibit Independence I-like traits (i.e., fine serrated edge on end blades, and mid-passage tent rings similar to their Independence counterpart). Dorset sites appear to be less frequent in the area, and the few indications coming from the sampled sites indicate an occupation during the earliest phase of this period. Later sites are still eluding us, although some of the data gathered in the past seemed to indicate their presence, but always with a

scarcity of information (cf., Barré 1970; Labrèche 1989; Plumet 1985; Avataq Cultural Institute 1998). One of the sites (JjEv-17) discovered on Ukiivik could eventually help to fill the gap between the earlier and later Dorset occupations. The identification of Late Dorset sites is important because it would put into perspective the use of the Qajartalik quarry. In this context, one of our priorities for 1999 will be to excavate partly the JjEv-17 site, which is currently the likeliest candidate for a Late Dorset habitation site.

References

Aménatech inc.
1984 Prehistoric Inuit Archaeology in Quebec and Adjacent Regions: A Review and Assessment of Research Perspective. Presented to the Ministère des Affaires Culturelles du Québec, 4 Volumes.

Avataq Cultural Institute
1997 The 1996 Petroglyph Project: Phase I. Interim Report. Presented to the Prince of Wales Northern Heritage Centre, NWT, Inuit Heritage Trust, and the Ministère de la Culture et des Communications du Québec, 36 p.

1998 The 1997 Petroglyph Project: Phase II. Interim Report. Presented to the Prince of Wales Northern Heritage Centre, NWT, Inuit Heritage Trust, and the Ministère de la Culture et des Communications du Québec, 36 p.

Barré, George
1970 Reconnaissance archéologique dans la région de la baie de Wakeham (Nouveau-Québec). La société d'archéologie préhistorique du Québec, Montréal, 107 p.

Labrèche, Yves
1989 Intervention archéologique sur l'île Ukiivik et près de Tupirvikallak, région de Kangiqsujuaq, Nunavik, en 1988. Laboratoire d'archéologie, UQAM, 17 p.

Plumet, Patrick
1985 Archéologie de l'Ungava: Le site de la Pointe aux Bélougas (Qilalugarsiuvik) et les maisons longues dorsétiennes. Collection Paléo-Québec No 18, 471 p.

Saladin d'Anglure, Bernard
1962 'Découverte de pétroglyphes à Qajartalik sur l'île de Qikertaluk', North, IX(6), pp. 34-39.

Photo. 1. The panel exhibiting heavy weathering on Block B (JhEv-1).

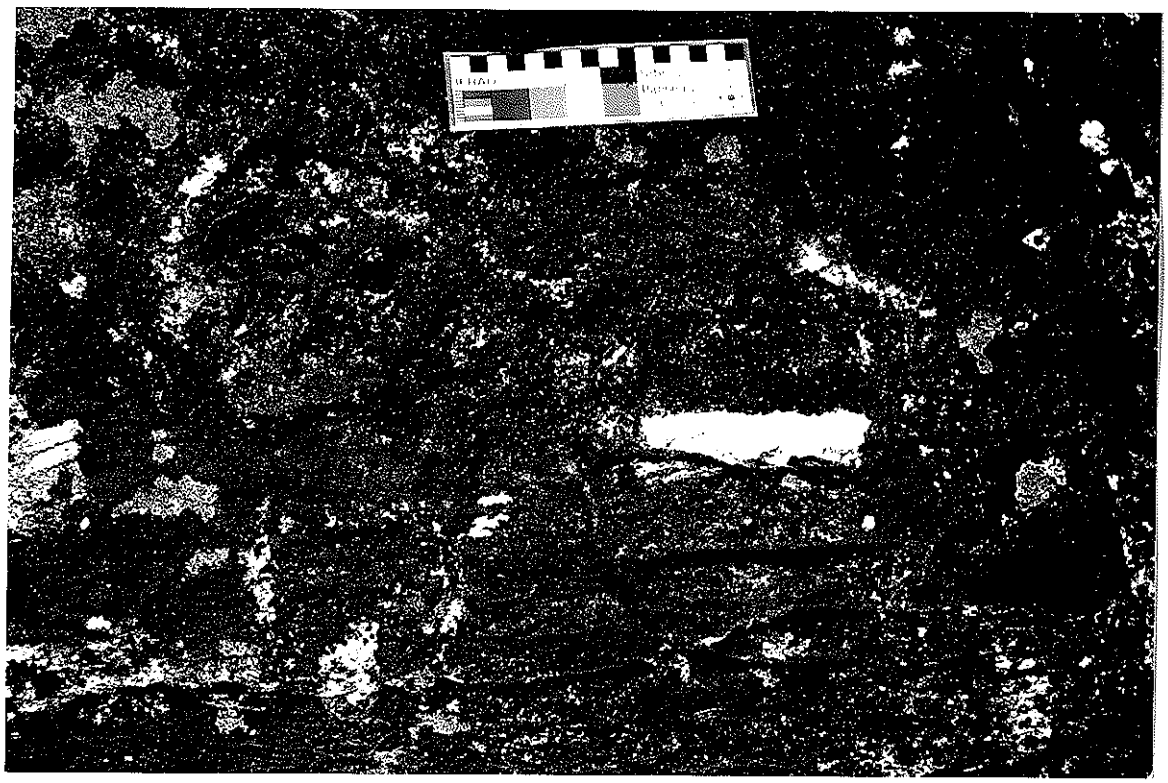


Photo. 2. The Owl-like figure on Block B (JhEv-1).

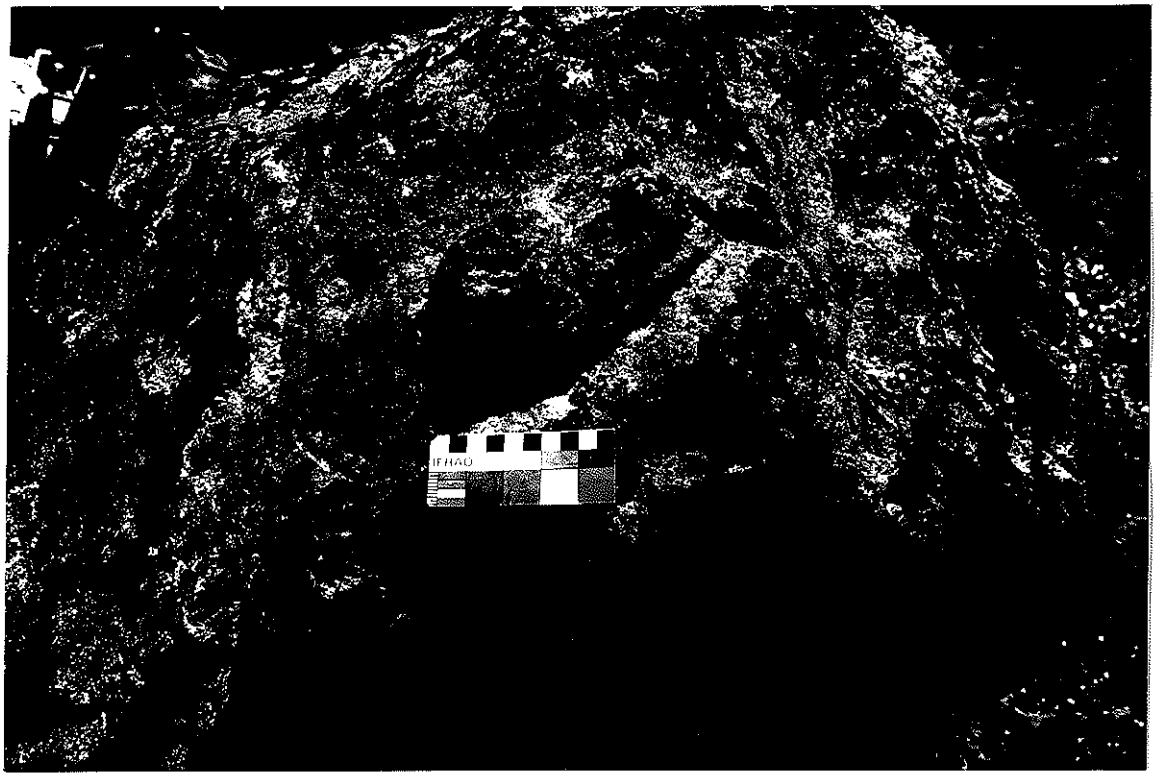


Photo. 3. Dorset extraction zone located on a soapstone outcrop immediately to the north of Block B (JhEv-1).

Photo. 4. Extraction zones uncovered on top of Block B (JhEv-1).

Photo. 5. Structure 1 after sampling. Notice the pavement in the centre (JhEv-12).

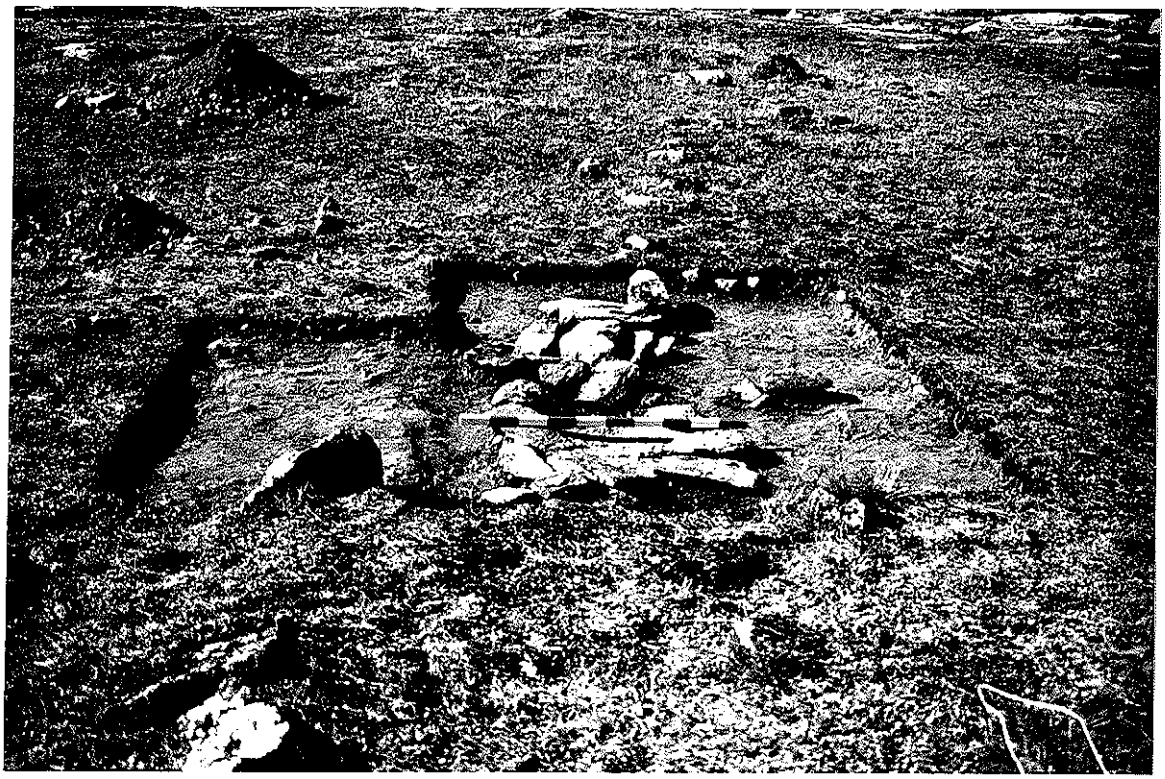


Photo. 6. Structure 2 after sampling. Notice the pavement in the centre (JhEv-12).

Photo. 7. General view of the JiEv-15 site (Aivirtuuq).

Photo. 8. The wolf trap on the JlFd-9 site.

Photo. 9. Stone qayaq feature for training (JlFd-9).

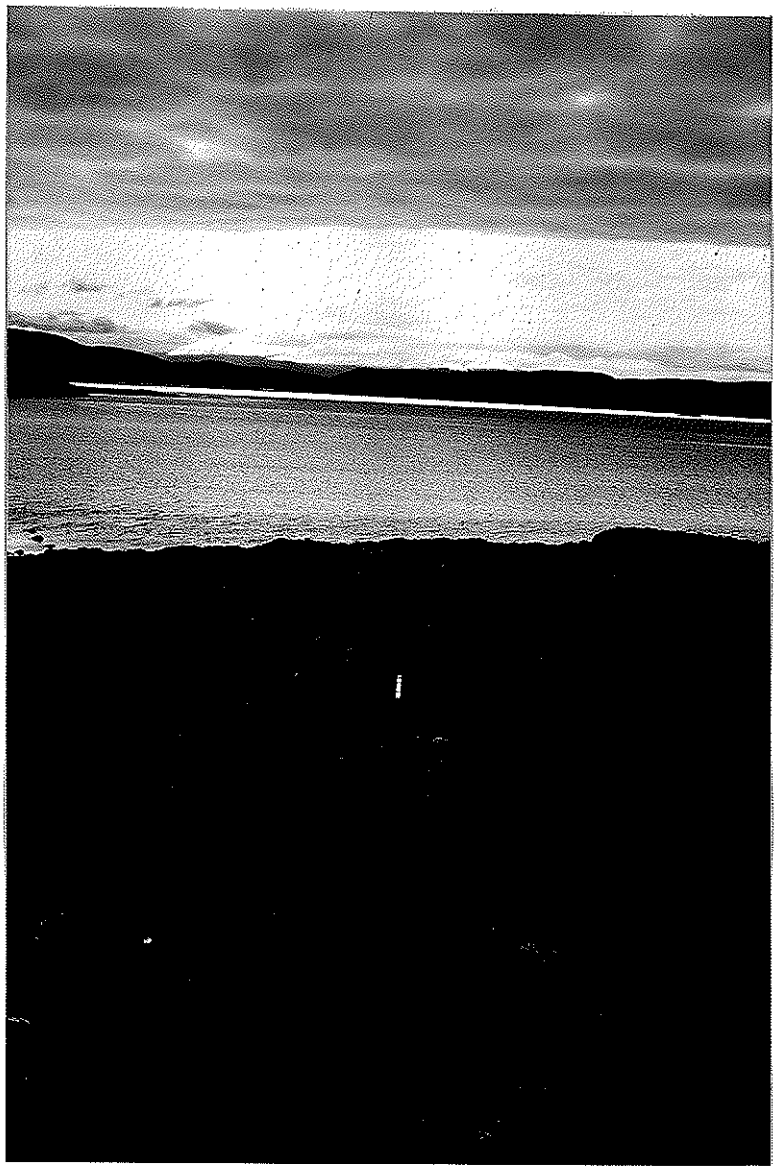


Photo. 10. The stone wall (KaFc-29).

Photo. 11. General view of the KaFc-9 site.

Photo. 12. One umiak cache (KaFc-32).

Photographs

Appendices

Appendix 1. Photographs Catalogue.

Appendix 2. Lithic Catalogues, JhEv-11 and JiEw-2.

APPENDIX 1

Film	Nega. #	Description	Orient.	Date
98/01-1	1	KaFh-11 (#22), Structure 2	S	26/06/98
	2	KaFh-11 (#22) structure 2	S	26/06/98
	3	KaFh-11 (#22), Structure 3,general view	SE	26/06/98
	4	KaFh-1, Structure A, entrance	W	27/06/98
	5	KaFh-1, Structure A, side view	NNE	27/06/98
	6	KaFh-1, Structure A, side view	SSE	27/06/98
	7	KaFh-1, Structure B, entrance	NEE	27/06/98
	8	KaFh-1, Structure B, side view	NEE	27/06/98
	9	KaFh-1, Structure B,back view	W	27/06/98
	10	KaFh-1, Structure B, side view	S	27/06/98
	11	KaFh-1, Structure A - B, general view	NW	27/06/98
	12	KaFh-1, Structure A - B, general view	NW	27/06/98
	13	KaFh-1, Structure A, back view	E	27/06/98
	14	KaFh-1, kayak cache pit	E	27/06/98
	15	KaFh-1, kayak cache pit	W	27/06/98
	16	KaFh-1, general view	W	28/06/98
	17	KaFh-1, general view	NW	28/06/98
	18	KaFh-1, perturbation near Structure B	SW	28/06/98
	19	KaFh-1, perturbation near fox trap	SW	28/06/98
	20	KaFh-1, structure at 50 m east of Structure B	N	28/06/98
	21	KaFh-1, fox trap 20 m east of structure B	N	28/06/98
	22	KaFh-1, structure NW of Structure A	W	28/06/98
	23	KaFh-1, structure NW of Structure A	S	28/06/98
	24	KaFi-1 (#10), protection measures	N	28/06/98
98/1A-1				
	25	JjFa-1, Structure A	W	08/07/98
	26	JjFa-1, Structure A	E	08/07/98
	27	JjFa-1, Structure B	E	08/07/98
	28	JjFa-1, Structure B	W	08/07/98
	29	JjFa-1, Structure C	W	08/07/98
	30	JjFa-1, general view	SE	08/07/98
	31	JjFa-1, general view	E	08/07/98
	32	Joanasi, Tomasi		14/07/98
	33	Lucy		14/07/98
	34	Joanasi, Tomasi, Lucy		14/07/98
	35	Leila		14/07/98
	36	group of students		14/07/98
98/02-1	1	JhEv-1, Zone 14, protuberance A	WSW	16/07/98
	2	JhEv-1, Zone 14, protuberance A	WSW	16/07/98
	3	JhEv-1, Zone 14, protuberance A	S	16/07/98
	4	JhEv-1, Zone 14, protuberance A	S	16/07/98
	5	JhEv-1, Zone 14, protuberance A	E	16/07/98
	6	JhEv-1, Zone 14, protuberance A	E	16/07/98
	7	JhEv-1, Zone 14, protuberance A	WSW	16/07/98

Film	Nega. #	Description	Orient.	Date
98/02-1	8	JhEv-1, Zone 14, protuberance A	S	16/07/98
	9	JhEv-1, Zone 14, protuberance A	S	16/07/98
	10	JhEv-1, Zone 14, protuberance A	SE	16/07/98
	11	JhEv-1, Zone VII, G detail	E	16/07/98
	12	JhEv-1, Zone VII, G detail	S	16/07/98
	13	JhEv-1, Zone VII, G detail	W	16/07/98
	14	JhEv-1, Zone VII, G detail	N	16/07/98
	15	JhEv-1, Zone VII, G detail	E	16/07/98
	16	JhEv-1, Zone VII, G detail	E	16/07/98
	17	JhEv-1, Zone VII, G detail	W	16/07/98
	18	JhEv-1, Zone VII, G detail	S	16/07/98
98/03-1	1	JhEv-33, Structure 3	S	14/07/98
	2	JhEv-33, Structure 3	S	14/07/98
	3	JhEv-33, Structure 3	N	14/07/98
	4	JhEv-33, Structure 1	E	15/07/98
	5	JhEv-33, Structure 1	W	15/07/98
	6	JhEv-33, Structure1, north lobe	N	15/07/98
	7	JhEv-33, Structure 1, profile north lobe	N	15/07/98
	8	JhEv-33, Structure 2, after excavation	E	16/07/98
	9	JhEv-33, Structure 2, after excavation	W	16/07/98
	10	JhEv-33, Structure 2, after excavation	S	16/07/98
	11	JhEv-33, Structure 1, mid-passage	W	17/07/98
	12	JhEv-33, Structure 1, mid-passage	E	17/07/98
	13	JhEv-33, Structure 1, south lobe	S	17/07/98
	14	JhEv-33, Structure 1, north lobe	N	17/07/98
	15	JhEv-33, Structure 1, south lobe	W	17/07/98
	16	JhEv-33, Structure 1, north lobe	W	17/07/98
	17	JhEv-33, Structure 3, after excavation	SW	17/07/98
	18	JhEv-33, Structure 3, after excavation	NE	17/07/98
	19	JhEv-33, Structure 3, after excavation	S	17/07/98
	20	student on the JhEv-1 site		17/07/98
	21	student on the JhEv-1 site		17/07/98
	22	student on the JhEv-1 site		17/07/98
	23	student on the JhEv-1 site		17/07/98
	24	student on the JhEv-1 site		17/07/98
	25	student on the JhEv-1 site		17/07/98
	26	student on the JhEv-1 site		17/07/98
	27	student on the JhEv-1 site		17/07/98
	28	student on the JhEv-1 site		17/07/98
	29	student on the JhEv-1 site		17/07/98
	30	student on the JhEv-1 site		17/07/98
	31	student on the JhEv-1 site		17/07/98
	32	student on the JhEv-1 site		17/07/98
	33	student on the JhEv-1 site		17/07/98

Film	Nega. #	Description	Orient.	Date
98/03-1	34	student on the JhEv-1 site		17/07/98
	35	student on the JhEv-1 site		17/07/98
	36	student on the JhEv-1 site		17/07/98
98/03-2	1	JhEv-9, Structure 1	E	23/07/98
	2	JhEv-9, Structure 1	E	23/07/98
	3	JhEv-9, Structure 1	NW	23/07/98
	4	JhEv-9, Structure 2	SW	23/07/98
	5	JhEv-9, Structure 2	NE	23/07/98
	6	JhEv-9, Structure 4	SSW	23/07/98
	7	JhEv-9, Structure 4	NE	23/07/98
	8	JhEv-9, Structure 3	SW	23/07/98
	9	JhEv-9, Structure 3	NE	23/07/98
	10	JhEv-9, Structure 8	SE	23/07/98
	11	JhEv-9, Structure 8	NW	23/07/98
	12	JhEv-9, Structure 9	NNW	23/07/98
	13	JhEv-9, Structure 9	SSE	23/07/98
	14	JhEv-9, Feature I, hunting blind	E	23/07/98
	15	JhEv-9, Structure 10	SE	23/07/98
	16	JhEv-9, Structure 10	NW	23/07/98
	17	JhEv-9, Structure 6	SE	23/07/98
	18	JhEv-9, Structure 6	NW	23/07/98
	19	JhEv-9, Structure 5	SSW	23/07/98
	20	JhEv-9, Structure 6	NNE	23/07/98
	21	JhEv-9, Structure 7	W	23/07/98
	22	JhEv-9, Structure 7	E	23/07/98
	23	JhEv-9, Structure 7, mid-passage	S	23/07/98
	24	JhEv-9, Structure 7, mid-passage	N	23/07/98
	25	JhEv-9, Structure 11	W	23/07/98
	26	JhEv-9, Structure 11	NW	23/07/98
	27	JhEv-9, Feature II, hunting blind	E	23/07/98
	28	JhEv-9, general view of west part	NNW	23/07/98
	29	JhEv-9, general view of east part	NE	23/07/98
	30	JhEv-9, general view	N	23/07/98
	31	JhEv-9, general view of west part	W	23/07/98
	32	JhEv-9, general view of east part	S	23/07/98
	33	JhEv-10, general view	N	23/07/98
	34	JhEv-11, general view	N	23/07/98
	35	JhEv-12, general view	N	23/07/98
	36	JhEv-10, general view	N	23/07/98
98/03-3	1	JhEv-9, exterior hearth		23/07/98
	2	JhEv-9, exterior hearth		23/07/98
	3	JiEv-9, large structure	S	26/07/98
	4	JiEv-9, large structure	S	26/07/98

Film	Nega. #	Description		Date
98/03-3	5	JiEv-9, large structure	W	26/07/98
	6	JiEv-13, general view	SSE	26/07/98
	7	JiEv-13, general view	SE	26/07/98
	8			
	9	JiEv-13, Structure 1	ESE	26/07/98
	10	JiEv-13, Structure 1	ESE	26/07/98
	11	JiEv-14, Structure 1	N	26/07/98
	12	JiEv-14, Structure 1, hearth	S	26/07/98
	13	JiEv-14, Structure 2	NW	26/07/98
	14	JiEv-14, Structure 2, hearth	SE	26/07/98
	15	JiEv-14, stone alignment	NW	26/07/98
	16	JiEv-14, stone alignment	NW	26/07/98
	17	JiEv-15, general view	W	26/07/98
	18	JiEv-15, general view	WSW	26/07/98
	19	JiEv-15, general view	SW	26/07/98
	20	JiEv-6, Structure 1	W	26/07/98
	21	JiEv-6, Structure 2	NNW	26/07/98
	22	JiEv-6, Structure 3	NNW	26/07/98
	23	JiEv-6, Structure 4	NW	26/07/98
	24	JiEv-6, Structure 5	NE	26/07/98
	25	JiEv-6, Structure 6	N	26/07/98
	26	JiEv-6, Structure 7	N	26/07/98
	27	JiEv-6, Structure 8	NW	26/07/98
	28	JiEv-6, Structure 9	N	26/07/98
	29	JhEv-39, general view	NNE	29/07/98
	30	JhEv-39, Structure 3	SSW	29/07/98
	31	JhEv-39, Structure 4	SSW	29/07/98
	32	JhEv-39, stone alignment	NE	29/07/98
	33	JhEv-39, Structure 2	S	29/07/98
	34	JhEv-39, Structure 1	SSW	29/07/98
	35	JhEv-13, general view	S	29/07/98
	36	JhEv-13, general view	SSW	29/07/98
98/03-4				
	1	JhEv-13, Structure 12	W	29/07/98
	2	JhEv-13, Structure 12	W	29/07/98
	3	JhEv-13, Structure 2	W	29/07/98
	4	JhEv-13, Structure 1	W	29/07/98
	5	JhEv-13, Structure 3	W	29/07/98
	6	JhEv-13, Structure 5	W	29/07/98
	7	JhEv-13, Structure 5	NE	29/07/98
	8	JhEv-13, Structure 13	W	29/07/98
	9	JhEv-13, Structure 7	W	29/07/98
	10	JhEv-13, Structure 8	W	29/07/98
	11	JhEv-13, Structure 9 and Feature I	W	29/07/98
	12	JhEv-13, Feature I	W	29/07/98

Film	Nega. #	Description	Orient.	Date
98/03-4	13	JhEv-13, Structure 10	W	29/07/98
	14	JhEv-12, Structure 1	NE	29/07/98
	15	JhEv-12, Structure 1	SW	29/07/98
	16	JhEv-12, test pit 8 (alignment)	S	29/07/98
	17	JhEv-12, test pit 7 (alignment)	S	29/07/98
	18	JhEv-12, test pit 9 (alignment)	S	29/07/98
	19	JhEv-12, test pit 10 (alignment)	S	29/07/98
	20	JhEv-12, test pit 11 (alignment)	S	29/07/98
	21	JhEv-12, Structure 2	N	29/07/98
	22	JhEv-12, Structure 2	S	29/07/98
98/04-1				
	23	JjEv-13, general view	N	01/08/98
	24	JjEv-13, Structure 1	NE	01/08/98
	25	JjEv-13, general view	W	01/08/98
	26	JjEv-14, general view	NW	01/08/98
	27	JjEv-14, general view	SE	01/08/98
	28	JjEv-17, Structure 1	N	03/08/98
	29	JjEv-17, Structure2	N	03/08/98
	30	JjEv-17, Structure 3	N	03/08/98
	31	JjEv-17, general view	W	03/08/98
	32	JjEv-17, general view	NE	03/08/98
	33			
	34	KaFb-1, general view	W	05/08/98
	35	KaFb-1, structure at NW extremity	N	05/08/98
98/04-2	1	KaFb-1, cache, structure, general view of the beach	NE	05/08/98
	2	KaFb-1, cache, structure, general view of the beach	NE	05/08/98
	3	KaFb-2, general view	N	05/08/98
	4	KaFb-2, general view	N	05/08/98
	5	KaFb-2, Structure 1	E	05/08/98
	6	KaFb-1, general view	W	05/08/98
	7	KaFb-4, Structure 1	N	05/08/98
	8	KaFb-4, Structure 1	E	05/08/98
	9	KaFb-5, general view	N	05/08/98
	10	KaFb-5, general view	W	05/08/98
	11	KaFb-6, general view	S	05/08/98
	12	KaFb-6, general view	E	07/08/98
	13	JlFd-3, general view	W	07/08/98
	14	JlFd-3, general view	W	07/08/98
	15	JlFd-3, general view	W	07/08/98
	16	JlFd-3, general view	N	07/08/98
	17	JlFd-3, general view	NE	07/08/98
	18	JlFd-3, general view features on 60m terrace	W	07/08/98
	19	JlFd-3, general view features on 60m terrace	W	07/08/98
	20	JlFd-3, general view features on 60m terrace	W	07/08/98

Film	Nega. #	Description	Orient.	Date
98/04-2	21	JlFd-4, Structure 1	W	07/08/98
	22	JlFd-4, general view	W	07/08/98
	23	JlFd-5, general view	W	07/08/98
	24	JlFd-5, stone wall	E	07/08/98
	25	JlFd-5, heavy tent ring	N	07/08/98
	26	JlFd-5, stone wall	W	07/08/98
	27	JlFd-1, semi-subterranean dwelling	SE	07/08/98
	28	JlFd-1, semi-subterranean dwelling	SE	07/08/98
	29	JlFd-1, general view	S	07/08/98
	30	JlFd-1, close-up	S	07/08/98
	31	JlFd-1, semi-subterranean dwelling	W	07/08/98
	32	JlFd-1, semi-subterranean dwelling	W	07/08/98
	33	JlFd-1, semi-subterranean dwelling	S	07/08/98
	34	JlFd-1, semi-subterranean dwelling	S	07/08/98
	35	JlFd-1, general view	NE	07/08/98
	36	JlFd-1, general view	NE	07/08/98
98/04-3	1	JlFd-7, semi-subterranean dwelling	NNE	07/08/98
	2	JlFd-7, semi-subterranean dwelling	NNE	07/08/98
	3	JlFd-7, stone alignment	S	07/08/98
	4	JlFd-7, general view	E	07/08/98
	5	JlFd-7, general view	SW	07/08/98
	6	JlFd-8, general view	N	07/08/98
	7	JlFd-8, general view	N	07/08/98
	8	JlFd-9, Feature, wolf trap	N	07/08/98
	9	JlFd-9, general view	N	07/08/98
	10	JlFd-9, stone kayak for practice(?)	N	07/08/98
	11	JlFd-9, stone kayak for practice(?)	N	07/08/98
	12	JlFd-9, general view	SW	07/08/98
	13	JlFd-9, general view	W	07/08/98
	14	JlFd-9, general view	NW	07/08/98
	15	KaFb-9, general view	NW	09/08/98
	16	KaFb-9, Structure 1	SE	09/08/98
	17	KaFb-9, general view	NE	09/08/98
	18	KaFb-10, general view	S	09/08/98
	19	KaFb-10, general view	SE	09/08/98
	20	KaFb-11, general view	N	09/08/98
	21	KaFb-11, general view	S	09/08/98
	22			
	23	KaFb-12, Structure	NW	09/08/98
	24	KaFb-12, Structure	SE	09/08/98
	25	KaFb-13, general view	SW	09/08/98
	26	KaFb-13, Structure	SW	09/08/98
	27	KaFb-13, general view	NE	09/08/98
	28	JlFd-10, general view	NW	11/08/98

Film	Nega. #	Description	Orient.	Date
98/04-3	29	JlFd-10, general view	NW	11/08/98
	30	JlFd-12, general view	NE	11/08/98
	31	JlFd-12, general view	N	11/08/98
	32	JlFd-12, general view	NE	11/08/98
	33	JlFd-13, general view	SW	11/08/98
	34	JlFd-13, general view	ESE	11/08/98
	35	KaFb-14, cache	E	11/08/98
	36	KaFb-14, Structure	SE	11/08/98
98/04-4	1	KaFb-15, Structure 1	WSW	11/08/98
	2	KaFb-15, Structure 1	WSW	11/08/98
	3	KaFb-15, Structure 1	NNE	11/08/98
	4	KaFb-15, rectangular feature, Structure 1	W	11/08/98
	5	KaFb-15, ovoid feature, Structure 1	E	11/08/98
	6	KaFb-15, Structure 2	NNW	11/08/98
	7	KaFb-15, Structure 2	ESE	11/08/98
	8	KaFb-16, general view	W	11/08/98
	9			
	10	KaFc-9, general view	W	14/08/98
	11	KaFc-9, Structure 1	SW	14/08/98
	12	KaFc-9, Structure 2	S	14/08/98
	13	KaFc-9, Structure 3	SSE	14/08/98
	14	KaFc-9, Structures 4 and 5	SE	14/08/98
	15	KaFc-9, Structure 6	S	14/08/98
	16	KaFc-9, Structure 6	NNW	14/08/98
	17	KaFc-9, Structure 7	E	14/08/98
	18	KaFc-9, general view	E	14/08/98
	19	KaFc-10, kayak cache pit	E	14/08/98
	20	KaFc-10, general view	N	14/08/98
	21	KaFc-10, cache	WSW	14/08/98
	22	KaFc-11, general view	SE	14/08/98
	23			
	24	KaFc-25, general view	NW	14/08/98
	25	KaFc-25, Structure 1	N	14/08/98
	26	KaFc-26, general view	N	14/08/98
	27	KaFc-26, quartz flakes concentration	W	14/08/98
	28	KaFc-27, general view	E	14/08/98
	29	KaFc-27, Structure 1	NE	14/08/98
	30	KaFc-27, Structure 2	W	14/08/98
	31	KaFc-27, Structure 3	E	14/08/98
	32	KaFc-28, Structure 1	ENE	14/08/98
	33	KaFc-28, general view	N	14/08/98
	34	KaFc-29, possible structure	SW	14/08/98
	35	KaFc-29, possible structure	NE	14/08/98
	36	KaFc-29, general view	SW	14/08/98

Film	Nega. #	Description	Orient.	Date
98/04-4	37	KaFc-29, general view	S	14/08/98
98/04-5	1	KaFc-29, hunting blind	NW	14/08/98
	2	KaFc-29, hunting blind	NEN	14/08/98
	3	KaFc-29, hunting blind	SE	14/08/98
	4	KaFc-29, kayak support	W	14/08/98
	5	KaFc-29, kayak support	WNW	14/08/98
	6	KaFc-29, kayak support	SE	14/08/98
	7	KaFc-12, flakes concentration	SE	15/08/98
	8	KaFc-12, Structure 1	NW	15/08/98
	9	KaFc-12, Structure 1	S	15/08/98
	10	KaFc-12, Structure 3	S	15/08/98
	11	KaFc-12, Structure 3	N	15/08/98
	12	KaFc-12, general view	S	15/08/98
	13	KaFc-12, general view	NNW	15/08/98
	14	KaFc-9, Structure 8	W	15/08/98
	15	KaFc-9, Structure 8	E	15/08/98
	16	KaFc-32, kayak cache pit	E	15/08/98
	17	KaFc-32, umiak cache pit	NE	15/08/98
	18	KaFc-32, umiak cache pit	E	15/08/98
	19	KaFc-32, umiak cache pit	NW	15/08/98
	20	KaFc-32, general view	SW	15/08/98
	21	KaFc-32, general view	S	15/08/98
	22	KaFc-13, general view	S	17/08/98
	23	KaFc-13, general view	SW	17/08/98
	24	KaFc-14, general view	W	17/08/98
	25	KaFc-5, Structure 1	E	17/08/98
	26	KaFc-5, general view	W	17/08/98
	27	KaFc-6, Structure	ESE	17/08/98
	28	KaFc-6, general view	E	17/08/98
	29	KaFc-6, Structure	SE	17/08/98
	30	KaFc-6, general view	N	17/08/98
	31	KaFc-3, general view	N	17/08/98
	32	KaFc-3, general view	NE	17/08/98
	33	KaFc-3, Structure	N	17/08/98
	34	KaFc-3, Structure	NW	17/08/98
	35	KaFc-3, general view	W	17/08/98
	36	KaFc-7, general view	N	17/08/98
	37	KaFc-7, general view	S	17/08/98
98/04-6	1	KaFc-7, general view, SE section	NEN	17/08/98
	2	KaFc-7, general view, SE section	NEN	17/08/98
	3	KaFc-7, general view, SE section	W	17/08/98
	4	K aFc-8, general view	SSE	17/08/98
	5	Ka Fc-8, Structure 1	S	17/08/98

Film	Nega. #	Description	Orient.	Date
98/04-6	6	KbFc-2, general view	E	17/08/98
	7	KbFc-2, general view	W	17/08/98
	8	KbFc-3, general view	NW	17/08/98
	9	KbFc-3, Structure 1	ESE	17/08/98
	10	KbFc-4, general view	E	17/08/98
	11	KbFc-4, Structure	E	17/08/98
	12	KaFc-15, general view	NEN	18/08/98
	13	KaFc-15, general view	N	18/08/98
	14	KaFc-15, kayak cache pit	E	18/08/98
	15	KaFc-15, Structure 1	E	18/08/98
	16	KaFc-15, cache	N	18/08/98
	17	KaFc-16, Structure 1	SW	18/08/98
	18	KaFc-16, general view	E	18/08/98
	19	KaFc-17, general view	SW	18/08/98
	20	KaFc-17, general view	NEN	18/08/98
	21	KaFc-17, Structure 1	N	18/08/98
	22	KaFc-17, Structure 2	N	18/08/98
	23	KaFc-18, general view	E	18/08/98
	24	KaFc-18, Structure 1	W	18/08/98
	25	KaFc-18, Structure 2	NE	18/08/98
	26			
	27	KaFc-19, general view	S	18/08/98
	28	KaFc-19, Structure 1	N	18/08/98
	29	KaFc-19, fox trap	SW	18/08/98
	30	KaFc-19, Structure 2	S	18/08/98
	31			
	32	KaFc-20, general view	W	18/08/98
	33	KaFc-20, Structure 1	W	18/08/98
	34	KaFc-21, general view	NE	18/08/98
	35	KaFc-21, Structure 1	SW	18/08/98
	36	KaFc-22, Structure	SE	18/08/98

APPENDIX 2

JhEv-1						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	lamp preform	-	N of block B	surface	soapstone	incomplete
2	chopper	Block B/Zone VIIG	conc. 2	sand deposit	coarse quartzite	
3	chopper	Block B/Zone VIIG	conc. 2	sand deposit	coarse quartzite	
4	chopper	Block B/Zone VIIG	conc. 1	sand deposit	undetermined	
5	chopper	Block B/Zone VIIG	conc. 1	sand deposit	undetermined	
6	chopper	Block B/Zone VIIG	conc. 2	sand deposit	undetermined	
N/A	flakes	Block B/Zone VIIG	conc.1 & 2	sand deposit	soapstone	>1000

JhEv-12						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	point			surface	milky quartz	broken in 2 fragments
2	end scraper			surface	milky quartz	
3	microblade			surface	chert	
4	flakes (8)			surface	milky quartz	
1998						
5	side scraper	structure 1	test pit 2	I	milky quartz	
6	end scraper	structure 1	test pit 6	I	milky quartz	
7	microblade	structure 2	test pit 13	I	chert	fragment
8	point	structure 2	test pit 14	I	black quartzite	
9	flake core	structure 2	test pit 16	I	hyalin quartz	
10	ret. flake	structure 2	test pit 15	I	milky quartz	
11	biface frag.	structure 2	test pit 15	I	black quartzite	
12	flake core	structure 2	test pit 18	I	chert	
13	microblade	alignment	test pit 8	I	chert	fragment
14	flake core	alignment	test pit 10	I	chert	
15	core	structure 2	test pit 14	I	milky quartz	
16	ret. flake	structure 2	test pit 19	I	milky quartz	
17	ret. flake	structure 2	test pit 14	I	milky quartz	
18	preform	structure 2	test pit 14	I	milky quartz	
19	biface frag.	structure 2	test pit 16	I	milky quartz	
20	ret. flakes (2)	structure 1	test pit 1	I	slate	polished
21	flakes (3)	structure 1	test pit 2	I	milky quartz	
22	flake	structure 1	test pit 3	I	milky quartz	
23	flake	structure 1	test pit 5	I	quartzite	
24	flakes (5)	structure 1	test pit 6	I	milky quartz	
25	flake	alignment	test pit 7	I	chert	
26	flakes (2)	alignment	test pit 7	I	milky quartz	
27	flake	alignment	test pit 10	I	chert	
28	flakes (32)	structure 2	test pit 13	I	milky quartz	
29	flakes (55)	structure 2	test pit 14	I	milky quartz	
30	flake	structure 2	test pit 14	I	chert	
31	flakes (5)	structure 2	test pit 15	I	milky quartz	
32	flakes (10)	structure 2	test pit 16	I	milky quartz	
33	flakes (2)	structure 2	test pit 19	I	milky quartz	

JhEv-13						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	burin	structure 2	test pit 2	I	quartzite	
2	biface frag.	structure 4	test pit 1	I	milky quartz	
3	biface frag.	structure 4	test pit 1	I	milky quartz	
4	knife	structure 5	test pit 1	I	milky quartz	
5	biface frag.	structure 5	test pit 1	I	crystal quartz	
6	microblade	structure 5	test pit 1	I	hyalin quartz	
7	microblade	structure 5	test pit 1	I	crystal quartz	
8	end scraper	structure 11	test pit 1	I	milky quartz	
9	ret. Flake	structure 11	test pit 1	I	milky quartz	
10	side scraper	structure 11	test pit 1	I	milky quartz	
11	core frag.	structure 11	test pit 1	I	milky quartz	
12	biface frag.	structure 11	test pit 2	I	milky quartz	
13	used flake			surface	milky quartz	308°, 52,5m from BM
14	microblade			surface	crystal quartz	307°, 54m from BM
15	biface frag.			surface	milky quartz	308°, 53,5m from BM
16	biface frag.			surface	milky quartz	308°, 53m from BM
17	core frag.			surface	milky quartz	312°, 52m from BM
18	end blade			surface	milky quartz	proximal frag.,307°,
						53m from BM
19	core frag.			surface	milky quartz	303°, 56m from BM
20	end blade			surface	milky quartz	308°, 53m from BM
21	core frag.			surface	milky quartz	314°, 15m from BM
22	biface frag.			surface	milky quartz	307°, 57m from BM
23	end blade	structure 11	test pit 2	I	milky quartz	distal fragment
24	flakes (10)	structure 1	test pit 1	I	milky quartz	
25	flakes (2)	structure 3	test pit 1	I	milky quartz	
26	flake	structure 3	test pit 2	I	crystal quartz	
27	flakes (33)	structure 4	test pit 1	I	milky quartz	
28	flakes (3)	structure 4	test pit 1	I	chert	
29	flakes (2)	structure 4	test pit 1	I	slate	
30	flakes (13)	structure 4	test pit 2	I	milky quartz	
31	flakes (7)	structure 5	test pit 1	I	hyalin quartz	
32	flakes (3)	structure 5	test pit 3	I	milky quartz	
33	flake	structure 5	test pit 3	I	Diana quartzite	
34	flakes (9)	structure 11	test pit 1	I	milky quartz	
35	flakes (6)	structure 11	test pit 2	I	milky quartz	

JhEv-33						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	microblade	structure 1	N110 E60	III	chert	
2	microblade	structure 1	N35 E16	III	milky quartz	broken in two
3	microblade	structure 1	N125 E57	III	milky quartz	
4	microblade	structure 1	N125 E57	III	milky quartz	
5	point	structure 1	N76 E90	III	chert	
6	point	structure 1	N110 E06	III	quartzite	
7	knife	structure 1	N110 E56	III	milky quarttz	
8	knife	structure 1	N126 E21	III	quartzite	
9	end scraper	structure 1	N5 E104	III	milky quartz	
10	burin spall	structure 1	N70 E84	III	chert	
11	burin spall	structure 1	N125 E07	III	milky quartz	
12	biface frag.	structure 2	N66 E40	rocks	chert	
13	abrader			surface	quartzite	12,6m from datum at 210°, slope below struc. 1
14	ret. flake	structure 1	NE	III	quartz crystal	
15	flakes (51)	structure 1	NE	III	milky quartz	
16	flakes (3)	structure 1	NE	III	chert	
17	flakes (3)	structure 1	NE	III	quartz crystal	
18	flake	structure 1	NE	III	metabasalt ?	
19	flakes (120)	structure 1	SW	III	milky quartz	
20	flakes (2)	structure 1	SW	III	chert	
21	flakes (6)	structure 1	SW	III	quartz crystal	
22	flake	structure 1	SW	III	metabasalt ?	
23	flakes (2)	structure 2	NE	under rocks	milky quartz	
24	flakes (8)	structure 2	NE	under rocks	chert	
25	flakes (2)	structure 2	NE	under rocks	metabasalt ?	
1998						
26	ret. flake	structure 1	N13 W123	III	milky quartz	
27	biface frag.	structure 1	N106 W54	III	milky quartz	
28	microblade	structure 1	N73 W31	III	milky quartz	
29	microblade	structure 1	N112 W10	III	quartz crystal	
30	point frag.	structure 1	N11 W25	III	milky quartz	distal end
31	microblade	structure 1	N63 W21	III	quartz crystal	

Cat. No.	Object	Square metre	Localisation	Level	Raw Material	Remarks
32	microblade	structure 1	N46 W69	III	quartz crystal	
33	biface frag.	structure 1	S29 E14	III	milky quartz	
34	preform	structure 1	S18 E02	III	milky quartz	
35	ret. flake	structure 2	N112 E66	I	slate	
36	core frag.	structure 2	S81 E50	I	milky quartz	
37	core frag.	structure 3	N22 W119	I	milky quartz	
38	core frag.	structure 3	N76 W68	I	milky quartz	
39	core frag.	structure 3	N19 W120	I	milky quartz	
40	ret. flake	structure 3	N04 W65	I	milky quartz	
41	core frag.	structure 3	N99 E53	I	chert	
42	ret. flake	structure 3	S19 E75	I	milky quartz	
43	ret. flake	structure 3	S81 E87	I	milky quartz	
44	scraper	structure 3	S50 E152	I	milky quartz	
45	flake core	structure 3	N03 E135	I	hyalin quartz	
46	unifacial fra	structure 1	NE	III	milky quartz	
47	biface frag.	structure 1	NW	III	milky quartz	
48	unifacial fra	structure 1	NW	III	milky quartz	
49	core frag.	structure 1	NW	III	milky quartz	
50	point	structure 1		III	milky quartz	2 parts stem N104 W96, distal end N30 W85
51	point	structure 1	S28 E189	III	milky quartz	
52	point frag.	structure 2	N92 W52	I	chert	basal fragment with notches
53	biface frag.	structure 2	NE	I	milky quartz	
54	core	structure 3	SW	I	milky quartz	
55	ret. flake	structure 3	NE	I	milky quartz	
56	flakes (40)	structure 1	SE	III	milky quartz	
57	flake (1)	structure 1	SE	III	Diana quartzite	
58	flake (1)	structure 1	SE	III	chert	
59	flakes (4)	structure 1	SE	III	quartz crystal	
60	flakes (45)	structure 1	SW	III	milky quartz	
61	flakes (4)	structure 1	SW	III	chert	
62	flakes (9)	structure 1	NE	III	milky quartz	
63	flake (1)	structure 1	NE	III	chert	
64	flakes (6)	structure 1	NW	III	milky quartz	
65	flakes (5)	structure 2	NE	I	milky quartz	

Cat. No.	Object	Square metre	Localisation	Level	Raw Material	Remarks
66	shatter (1)	structure 2	NE	I	milky quartz	
67	shatter (2)	structure 2	NE	I	hyalin quartz	
68	flake (1)	structure 2	NE	I	quartzite	
69	flakes (9)	structure 2	NW	I	milky quartz	
70	flake (1)	structure 2	NW	I	quartzite	
71	flake (1)	structure 2	NW	I	slate	
72	flakes (3)	structure 2	SW	I	milky quartz	
73	flakes (8)	structure 2	SE	I	milky quartz	
74	flakes (15)	structure 3	NW	I	milky quartz	
75	flakes (10)	structure 3	SW	I	milky quartz	
76	flakes (64)	structure 3	SE	I	milky quartz	
77	flakes (14)	structure 3	NE	I	milky quartz	
78	flakes (2)	structure 3	NE	I	calcedony	
79	flakes (3)	structure 3	NE	I	chert	

JhEv-39						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	point			surface	milky quartz	11 m from south end of alignment
2	point			surface	milky quartz	75 cm from south end of alignment
3	knife			surface	milky quartz	15 m from south end of alignment
4	knife			surface	milky quartz	7,5 m from south end of alignment
5	knife			surface	milky quartz	7,5 m from south end of alignment
6	flake core			surface	milky quartz	8,5 m from south end of alignment
7	flakes (5)			surface	milky quartz	8,5 m from south end of alignment
1998						
8	burin spall	structure 2	test pit 1	I	chert	
9	microblade	structure 4	test pit 1	I	chert	
10	scraper	structure 4	test pit 1	I	milky quartz	
11	core frag.	structure 4	test pit 1	I	milky quartz	
12	biface frag.			surface	milky quartz	221°, 23 m from BM
13	preform			surface	milky quartz	213°, 26 m from BM
14	biface frag.			surface	chert	221°, 23 m from BM
15	biface frag.			surface	milky quartz	125°, 21 m from BM
16	unifacial frag.			surface	milky quartz	211°, 24 m from BM
17	end blade			surface	milky quartz	88°, 14 m from BM
18	scraper			surface	milky quartz	230°, 27m from BM
19	flakes (6)	structure 2	test pit 1	I	milky quartz	
20	flakes (2)	structure 2	test pit 1	I	hyalin quartz	
21	flake	structure 2	test pit 1	I	milky quartz	
22	flakes (2)	structure 2	test pit 2	I	milky quartz	
23	flakes (2)	structure 3	test pit 1	I	milky quartz	
24	flake	structure 3	test pit 2	I	slate	
25	flakes (6)	structure 4	test pit 1	I	milky quartz	
26	flakes (6)	structure 4	test pit 1	I	hyalin quartz	
27	flake	NW circle	test pit 1	I	milky quartz	
28	flakes (3)	NW circle	test pit 2	I	milky quartz	

JhEv-9						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	biface frag.	structure 2	test pit 1	I	milky quartz	
2	knife frag.	structure 2	test pit 2	I	crystal quartz	
3	unifacial frag.	structure 3	test pit 1	I	milky quartz	
4	core frag.	structure 3	test pit 2	I	milky quartz	
5	end scraper	structure 3	test pit 2	I	milky quartz	
6	preform	structure 3	test pit 2	I	milky quartz	
7	ret.flake	structure 7	test pit 1	I	milky quartz	
8	core frag.	structure 7	test pit 1	I	milky quartz	
9	core	structure 7	test pit 1	I	milky quartz	
10	ret.flake	structure 7	test pit 2	I	milky quartz	
11	biface frag.	structure 7	test pit 2	I	milky quartz	
12	core frag.	structure 7	test pit 1	I	milky quartz	
13	ret.flake	structure 8	test pit 1	I	crystal quartz	
14	unifacial frag.	structure 11	test pit 1	I	milky quartz	
15	point			surface	milky quartz	61°, 16m from BM
16	end scraper			surface	milky quartz	70°, 31m from BM
17	point	structure 4	test pit 1	I	milky quartz	
18	flake	structure 2	test pit 1	I	milky quartz	
19	flake	structure 2	test pit 2	I	milky quartz	
20	flakes (3)	structure 2	test pit 3	I	milky quartz	
21	flakes (3)	structure 2	test pit 3	I	hyalin quartz	
22	flakes (8)	structure 4	test pit 1	I	milky quartz	
23	flakes (5)	structure 4	test pit 2	I	milky quartz	
24	flakes (45)	structure 7	test pit 1	I	milky quartz	
25	flakes (56)	structure 7	test pit 2	I	milky quartz	
26	flakes (2)	structure 7	test pit 1	I	hyalin quartz	
27	flakes (11)	structure 8	test pit 1	I	milky quartz	
28	flake	structure 8	test pit 1	I	hyalin quartz	
29	flakes (7)	structure 8	test pit 2	I	milky quartz	
30	flake	structure 11	test pit 1	I	milky quartz	
31	flake	structure 11	test pit 1	I	chert	
32	flakes (6)	structure 11	test pit 2	I	milky quartz	
33	flakes (9)	structure 12	test pit 1	I	milky quartz	
34	flakes (26)	structure 3	test pit 1	I	milky quartz	
35	flakes (508)	structure 8	test pit 1	I	milky quartz	
36	flakes (23)			surface	milky quartz	flake concentration
37	ret.flake			surface	milky quartz	flake concentration
38	biface frag.	structure 7	test pit 1	I	milky quartz	
39	biface frag.	structure 7	test pit 1	I	milky quartz	
40	flakes (5)	structure 1	test pit 1	I	milky quartz	

JjEv-17						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	biface frag.	-	-	surface	milky quartz	-

KaFb-12						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	burin	-	-	surface	chert	
2	flakes (3)	-	-	surface	chert	
3	flakes (4)	-	-	surface	chert	
4	flakes (4)	-	-	surface	Diana quartzite	
5	flakes (2)	-	-	surface	black quartzite	
6	flakes (4)	-	-	surface	quarzite	
7	flakes (2)	-	-	surface	milky quartz	
8	flake	-	-	surface	calcedony	
9	flakes (2)	-	-	surface	slate	

KaFb-9						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	lamp fragment	-	-	surface	soapstone	

KaFc-11						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	blubber beater	-	-	surface	bone	

KaFc-12						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	core	structure 1		surface	crystal quartz	
2	core	structure 1		surface	crystal quartz	
3	microblade core	structure 1		surface	crystal quartz	
4	ret. Flake	structure 1		surface	crystal quartz	
5	flakes (456)	structure 1		surface	crystal quartz	
6	flakes (11)	structure 1		surface	chert	
7	flake	structure 1		surface	calcedony	
8	flakes (6)	structure 2		surface	crystal quartz	
9	flake	structure 2		surface	chert	
10	flakes (2)	structure 2		surface	crystal quartz	
11	core	structure 3		surface	hyalin quartz	
12	microblade core	structure 3		surface	crystal quartz	

KaFc-11						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	biface frag.	-	-	surface	milky quartz	
2	cor frag.	-	-	surface	milky quartz	

KaFc-24						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	biface frag.	-	-	surface	slate	
2	microblade	-	-	surface	crystal quartz	
3	microblade	-	-	surface	crystal quartz	
4	ret. Flake	-	-	surface	chert	
5	burin frag.	-	-	surface	chert	
6	core	-	-	surface	chert	
7	flakes (4)	-	-	surface	slate	
8	flakes (3)	-	-	surface	quaartzite	
9	flakes (5)	-	-	surface	Diana quartzite	
10	flakes (16)	-	-	surface	crystal quartz	
11	flakes (14)	-	-	surface	chert	
12	flake	-	-	surface	calcedony	

KaFc-8						
Cat. No.	**Object**	**Square metre**	**Localisation**	**Level**	**Raw Material**	**Remarks**
1	end scraper	-	-	surface	crystal quartz	
2	flakes (4)	-	-	surface	crystal quartz	