An Archaeological Survey in the West Greenland Inland, summer 2008, in Advance of Proposed Development of Hydroelectric Power.

- **Report prepared for ALCOA,**
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ALCOA

By
Pauline K. Knudsen
with contributions by Fuuja Larsen & Mikkel Myrup.

Nunatta Katersugaasivia Allagateqaarfiallu
Greenland National Museum and Archives

Report on archaeological surveys in areas bordering the lakes Tasersiaq (7e), Qaamasoq, Tarsartuup Tasersua and Tussaap Tasia (6g) carried out for Alcoa August 2008.

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Introduction

The surveys were carried out in continuation of the mapping of archaeological sites from the summer of 2007. The areas bordering Tasersiap Qalia, Qaamasoq, the northern part of Tarsartuup Tasersua and the lake between Qaamasoq and Tussaap Tasia were not surveyed in the summer of 2007 due to problems with helicopter service, lack of knowledge about conditions on some localities and finally due to ice covered lakes. Tarsartuup Tasersua is the lake that was wrongly named Imarsuaq (710) in the previous reports. To avoid the difficulties experienced last summer a number of precautions were taken. Among others the surveys were undertaken in the late summer to avoid ice on the lakes and the team was dropped at the eastern part of Tasersiap Qalia as last summer's attempt going up against the current in the channel between Tasersiap Qalia and Tasersiaq did not succeed.

The crew from this summer's survey consisted of: Museum technician Fuuja Larsen, curator Mikkel Myrup and archaeologist Pauline K. Knudsen, all having several years of experience doing archaeological surveying in arctic areas. The first two mentioned are members of the staff at The Greenland National Museum. The latter is on the project solely to undertake archaeological as well as ethnographic work as agreed employed upon between The Greenland National Museum and Alcoa. The surveys were carried out between August 3rd and August 22nd and were mainly done from a zodiac. Transfer between the main areas to be surveyed, Tasersiaq (7e), Tarsartuup Tasersua (6g, North) and Tussaap Tasia (6g, South) was done by helicopter.

As conditions on the investigations are already described in the report from April 2008 these will not be repeated here. Some of the sites found in the summer of 2007 were revisited for video recording sites and the surrounding landscapes and for digging test pits for sampling material for radiocarbon dating. The digging of test pits will contribute to some additional contextual insight of the sites and determine the depth of the cultural layers. In addition it was the team's intention to contextualize the archaeological structures within the framework of the surrounding cultural landscape. Besides Pauline Knudsen conducts ethnographic studies which until now mostly have consisted of collecting traditional knowledge on the historic use of the area around Tarsartuup Tasersua (6g).

Several results from radiocarbon analysis are mentioned in the report for 2007. Only two of the samples (L125X1a and L132) produced dates which were not within the C14 plateau (1640 – 1955AD). Both were collected from the surface by the shores of Tasersiaq (7e). Because of the find context they one can not be sure of them as deriving from human activities. But one of the samples, L125X1a had been identified as a Tibia (shank bone) from a caribou. It is unlikely that this dense bone broke from natural decaying processes. It is most likely broken by humans to get hold of the marrow, as the historic Inuit usually did (Kisia Lyberth, 2002:16). C14 analysis on the fragment produced dates in the time range between 1301 – 1398AD (KIA35097) and indicates the Inuit's presence by Tasersiaq in the 14th century.

Hopefully the samples collected from the test pits in the summer of 2008 will produce C14 dates confirming the early presence of Inuit by Tasersiaq and make clear the time depth of Inuit's presence in area 6g. Charcoals samples expected to be remains from the Saqqaq Culture were choose for the express service for C14 analysis, which has a limit on five samples. The results met our expectations as they all produced dates were distributed in the time range of 2134 – 1779 BC. Now we know that the first people to

hunt by the shores of Tasersiaq were from the Saqqaq Culture. Results from the remaining 11 samples for C14 analysis are expected by April 2009.

Summary of finds

Types of structures	Number of types at 7e	Number of types at 6g	Total
tent house	23	12	**35**
tent ring	5	4	**9**
pal. structure	10	0	**10**
hunter's bed	14	6	**20**
fireplace	0	0	**0**
cache	5	2	**7**
play house	2	2	**4**
grave	1	1	**2**
rock shelter	1	0	**1**
cairn system	1	0	**1**
shooting blind	1	1	**2**
fox trap	1	0	**1**
single Cairn	4	1	**5**
bone concentr.	0	0	**0**
other	2	0	**2**
total	70	29	**99**

Description of sites

Tasersiaq (7e)

As mentioned in the introduction is was not possible to reach the eastern most part of Tasersiap in the summer of 2007. The main aim of survey was to map the archaeological sites in the eastern part of the lake. Former mapped sites were also revisited to collect samples, to video document areas of cultural and historical significance.

Tasersiap Qalia

L155 - A hunter's bed/tent house -The shores of Tasersiap Qalia has presumably not hosted hunting parties for longer periods in the past, as only one hunter's bed/tent house was recorded on the survey around the inlet. The structure build by one or two layers of head sized or larger stones were situated just by the Northern shoreline on a small island near to the Northern shore of the inlet.

Because of heavy precipitation, surveying the shores of the inlet was delayed one day. The camp day was used for recording archaeological features on the eastern bank of the river between Aagissat and Umiatsiaasat (see map. 4). The narrow strip of land area between the river and the steep cliffs flanked by large boulders and animal paths had obviously been a good hunting place.

L156 to L160 - A temporary settlement - Between and under some boulders we found hunter's beds, shelters, shooting blinds and cairns. This area lies above the proposed "flooding zone", but as the weather did not permit survey in the zodiac, recording the area near camp was an obvious task to do.
This area on the eastern river bank was probably used from time to time due to the hunting advantages provided by the topography. Interviews obtained from hunters who used to stay at Allorariit and Igguutia (see map 4) before the 1950'es revealed that they occasionally used Umiatsiaasat as a satellite hunting area.

Figure 1: *The passage between the river and the cliffs to the left is cut through by paths trodden by animals. Among the fallen rocks hunters beds, caves, shooting blinds and cairns are to be found. The site shows the former hunters' ability to take advantage of landscape formations.*

The eastern shore of Tasersiap Qalia was not surveyed because the glacier reaches out to the lake and occasionally pieces of ice breaks off and falls into the lake. Also it was not possible to do survey on the eastern shore of the channel between Tasersiap Qalia and Tasersiaq because the current and low waters did not allow us to come near enough to the coast. Habitation of the two areas seems unlikely because of the inaccessibility of the area and the cold winds, that most of the time blows from the ice sheet. Occasional hunting in these areas cannot be ruled out, but traces would be sparse, probably restricted to a few cairns and shooting blinds.

Structures recorded at Tasersiap Qalia:

L155	tent ring	pos. N66°16,208' / W50°05,202'	Tasersiap Qalia
L156	3 hunter's beds	pos. N66°18,663' / W49°55,038'	Tasersiap Qalia
L157	rock shelter	pos. N66°18,725' / W49°55,087'	Tasersiap Qalia
L158	shooting blind	pos. N66°18,745' / W49°55,117'	Tasersiap Qalia
L159	row + heap of stones	pos. N66°18,503' / W49°54,827'	Tasersiap Qalia
L160	hunter's bed	pos. N66°18,493' / W49°54,861'	Tasersiap Qalia

Tasersiaq east

The sites L120 and L121 were revisited with the purpose of, 1) conducting a more comprehensive recording, 2) digging test pits to determine the limits of the site and for sampling 3) and finally for video recording of the sites. Ten test pits dug into the vegetated area WNW of the tent ring (L120 feature A) and the box hearth (L120 feature B) produced no further finds or cultural layers. A plan over feature A, were mapped in scale 1:25. Finds of tools and charcoal from the area with boiling stones were collected. Search in the adjacent area resulted in finds of a variety of flakes from chalcedony, killiaq and quartz. But no features or tools were found. The charcoal sample produced dates within the time range 2132 – 1965BC (KIA37451)

From site L 121, a tent house from the Thule Culture or the later period, a plan of the feature were drawn in scale 1:25.

L161 - **Fireplace** - A box hearth from the Saqqaq culture was discovered east to our camp site. The feature was built against a boulder by the beach. The feature was mapped in scale 1:10 and dug for sampling of charcoal for C14 dating. The collected charcoal produced dates within the time range 1973 – 1831BC (KIA37454).

L 162 – Settlement - At some distance to the east of L161 on the headland a settlement with 8 tent houses, 3 cairns and 2 meat caches were recorded and mapped. The tent houses are situated on terraces from approximately 2 – 12 meters' above the lake. On the second visit to the site two meat caches and an unknown structure (L), a depression on the bedrock were stones for preparing animal hides probably were crushed according to Agnethe Rosing. Also a whetstone was recorded on the surface just by the caches. The surface of the site is covered by only a thin layer of vegetation, and in some areas were the vegetation had eroded away only sand is visible. Layers of cultural significance are absent. Until now the site is the most easterly situated settlement on the shores of Lake Tasersiaq. The site is presumably the settlement east of Qoornoq Kangilleq mentioned in the legend of Aariassuaq told by Aron of Kangeq. As the settlement is not marked on the map drawn by Jens Kreutzmann in 1863, it can be presumed that was out of use as early as the1850-ties or may by earlier.

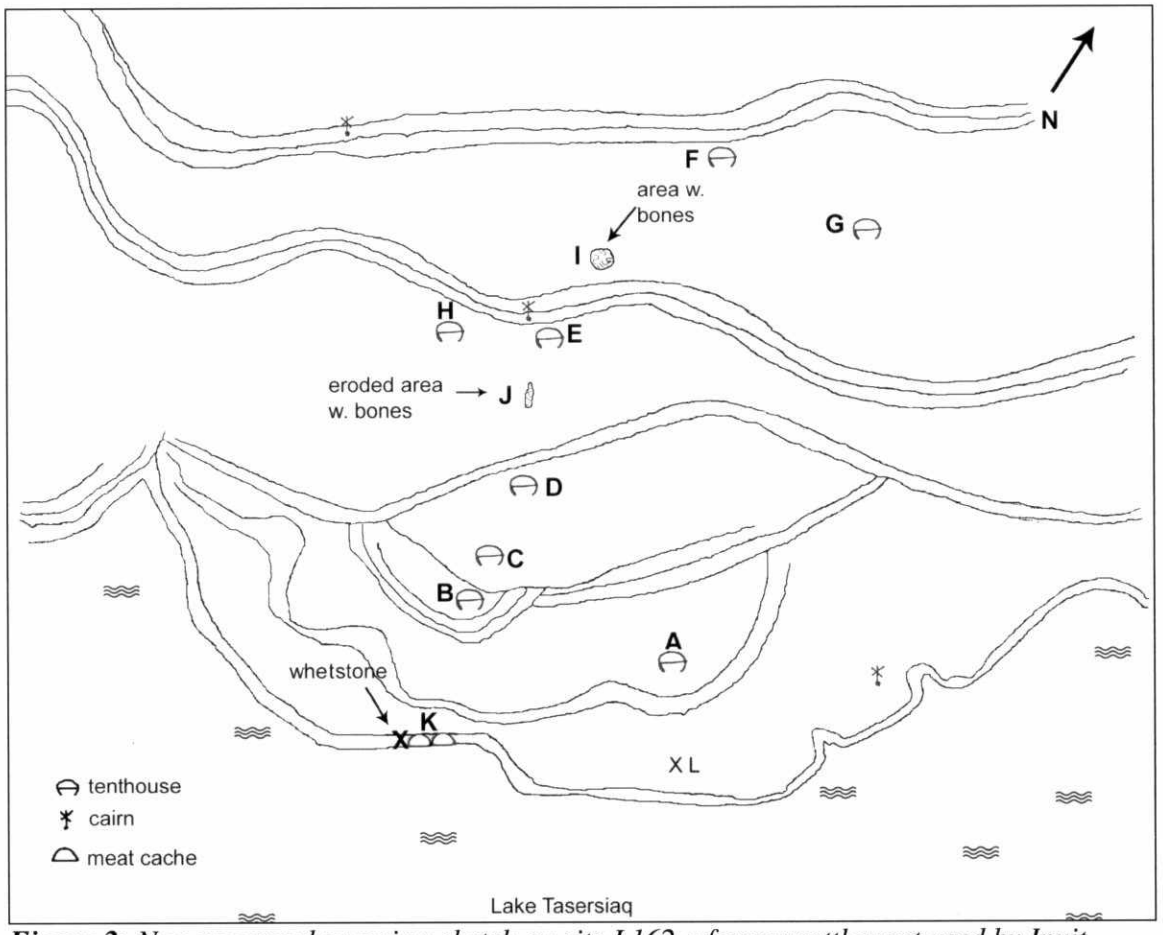


Figure 2: *Non measured overview sketch on site L162 a former settlement used by Inuit caribou hunters.*

L 163 – fireplace - Approximately 4 meters above the beach 100 metes southwest of L120, a rock crystal core was found. Test pitting revealed cultural layers containing flakes and charcoal. Samples were collected for C14 dating produced C14 dates within the time range 2133 -1925BC (KIA37456). Another test pit was dug 24 meters' to the West, were a flake was found, but it produced no further findings or cultural layers.

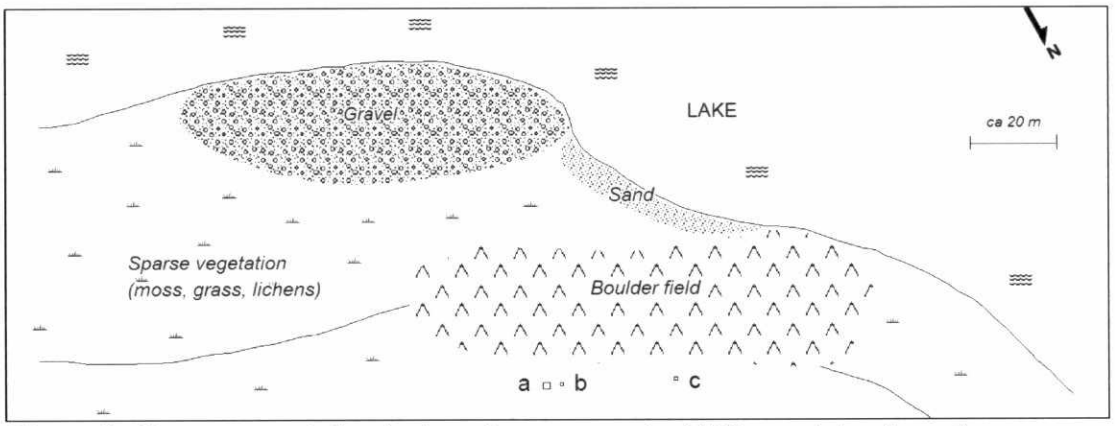


Figure 3: *Non measured sketch plan of area were site L163 remaining from the Saqqaq Culture. a, b and c are test pits.*

L164 – Settlement - During the four days the crew stayed by the sites L120 and L121 the water in the lake sank, presumably because of the decrease in the melting of the inland ice. The receding water revealed 6 tent rings with axial features (L164) on the beach. A knife and a core from rock crystal were found between the structures. The charcoal sampled from feature E produced C14 dates in the time range of 1942 – 1779BC (KIA37457) relating the structures to the Saqqaq Culture.

Figure 4: *Rock crystal knife found on the beach between the Saqqaq Culture tent rings. Length: approx. 3 centimetres*

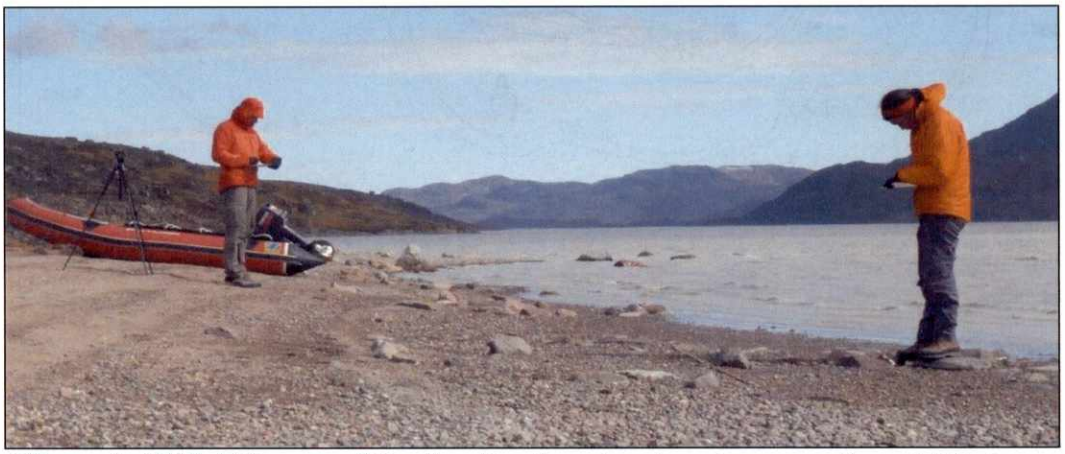


Figure 5: *Mikkel Myrup and Pauline Knudsen drawing plans over the axial features on the beach from the Saqqaq Cultural phase site L164.*

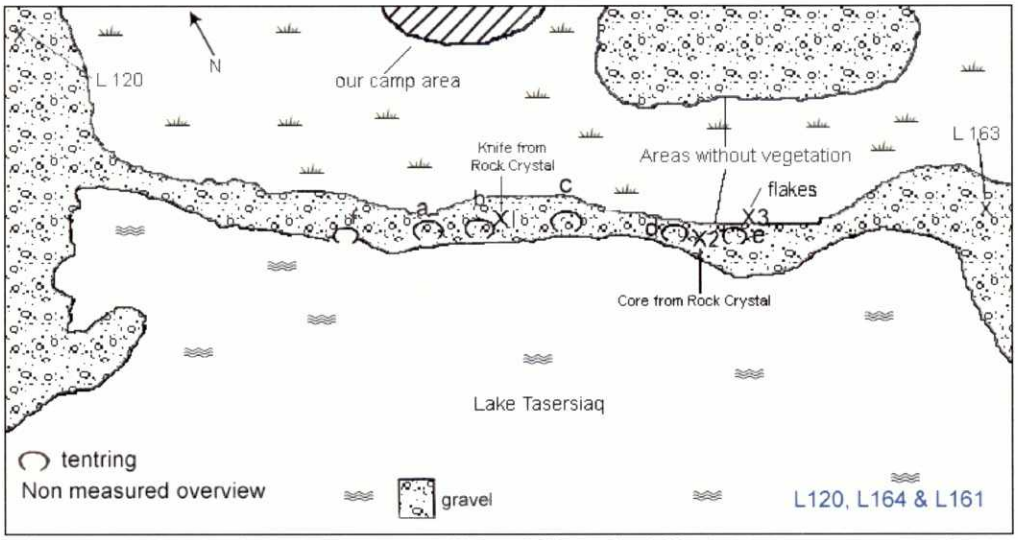


Figure 6: *Sketch plan of the sites L120, L163 and L164. A-F: Tent rings on the beach area were site L164 is situated.*

L165 - Hunting system - On the southern shore of Lake Tasersiaq a structure consisting of three cairns (L165) were recorded. Perhaps the structure is an improvement of the existing favorable possibilities the landscape renders for caribou drive hunting.

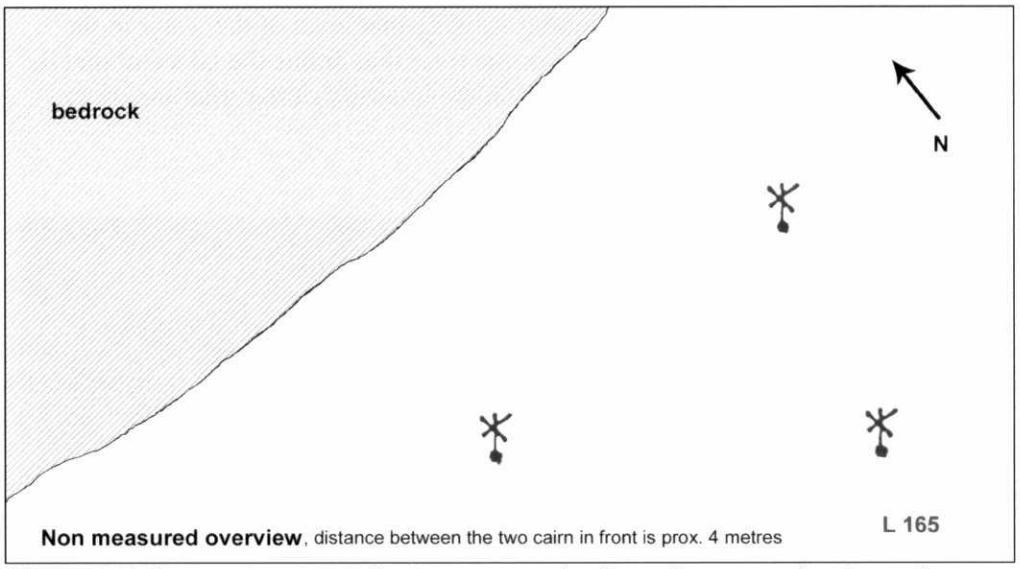


Figure 7: *Three cairns on a sloping area at the foot of a mountain situated among scatters of rocks and boulders and West to a gorge suitable for driving caribous.*

L166 – Two axial features - Opposite to site L 123 on a promontory two Saqqaq culture tent rings with axial features, L 166, were found on the gravel surface. Except from a small flake the features produced no finds.

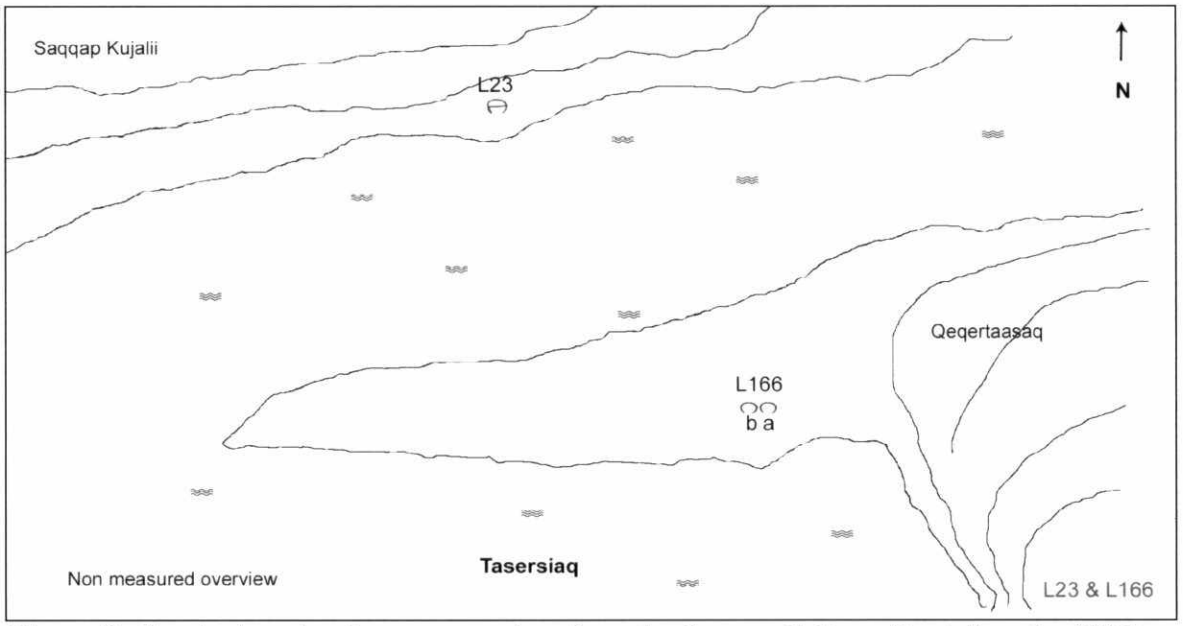


Figure 8: *Sketch plan showing two tent rings from the Saqqaq Culture situated south of L23 – a tent house.*

Sailing on Tasersiaq between site L165 and L166 the crew observed above the lakeshore different colored bands, presumably signs of variations on the level of water in the lake during

the times. Oral tradition from Kangaamiut (Andreas Lyberth, 2002:2) tells that the glacier by the western end of Tasersiaq occasionally blocked the river which drains the lake. Also Jens Kreutzmann (1863) wrote a note in his map of the area, that people staying in the Sarfartoq valley were drowned by the flooding, when the glacier that blocked the outflow of Tasersiaq broke. From our observations and the oral tradition it is likely that level of the water in the lake occasionally increased when the glacier blocked the river that drains the lake and that the water level also varies during the summer depending on the intensity of the smelting of the glaciers.

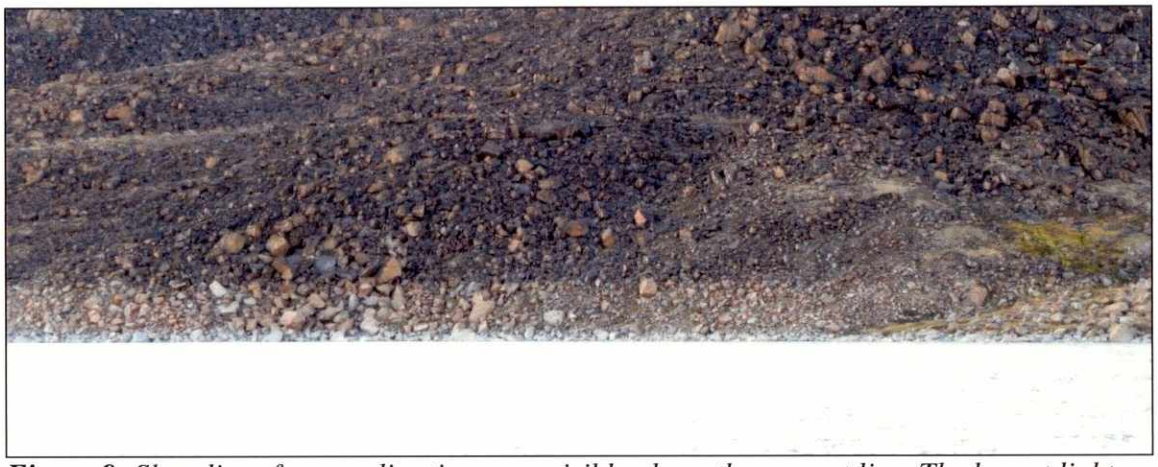


Figure 9: *Shorelines from earlier times are visible above the current line. The lowest lighter band, reaching up to approx. ½ meters above current shoreline, probably shows the latest variation on the level of water in Lake Tasersiaq. The upper band shows an older shoreline.*

The discovery of the sites L161, L162, L163 L164, L165 and L166 indicates that the eastern part of Tasersiaq in earlier times, probably before 1850AD from time to time had been an attractive hunting area. The sites found just above the shore line indicates, that there might be more sites to be found on the beaches of Tasersiaq late in the summer when the water in the lake recedes. The sites near to the lake shores in the Eastern part of Tasersiaq indicates that it is unlikely to find layers of cultural significance in that part of the areas bordering the lake, as the sand are covered by only sparse vegetation.

Recorded sites Tasersiaq east:

L 161	box hearth	pos.	N66°12,638 / W50°04,516' at	Tasersiaq E
L 162	settlement	"	N66°12,651 / W50°03,909' "	Tasersiaq E
L 163	settlement	"	N66°12,597 / W50°05,074' "	Tasersiaq E
L 164	settlement	"	N66°12,617 / W50°04,579' "	Tasersiaq E
L 165	hunting drive	"	N66°11,098 / W50°08,948' "	Tasersiaq E
L 166	settlement	"	N66°13,692 / W50°24,704' "	Tasersiaq E

The settlements by the currents of Tasersiaq

The sites were revisited with the purpose of, 1) digging test pits, 2) sampling for analysis 3) and for video recording.

No mitten could to be localized at Qoornoq Kangilleq (L563). One test pit was dug inside structure A5, as it gave the impression of considerable layers of cultural significance, and it was possible to find an area without stones under the surface. The pit was dug to a depth of 30

centimeters in the SW part of the tent house. Layers of coffee brown turf containing roots and caribou antlers made digging difficult, and a big stone eventually made it impossible to dig further down. A caribou rib bone and vertebrae were sampled at bottom of the pit. More layers of cultural significance are probably to be found beneath the big stone.
Charcoal for radiocarbon dating was collected from structure A17. The coal sampled by lifting stones inside the structure, were dated to the time range 2077 – 1963BC (KIA37461) Besides the video recordings from the site shorelines East and West of it were without success searched for a grave mentioned in the legend about Aariassuaq told by Aron of Kangeq.

L167 – A cache and a fox trap - Two new features by the lake shore west of the settlement, L563. The structures consisted of a presumed cache and a crumbled fox trap (L 167 a + b).

For sampling of caribou bones for C14 dating two test pits were dug into the mitten area just beneath the tent houses A2 at Qoornoq Killeq, L558. Due the weather conditions no video recordings were obtained.

Recorded structures by the settlements at the currents of Tasersiaq:
L 167 Shelter/cache + fox trap. Pos. N66°12,803' / W50°47,014'at Qoornoq Kangilleq

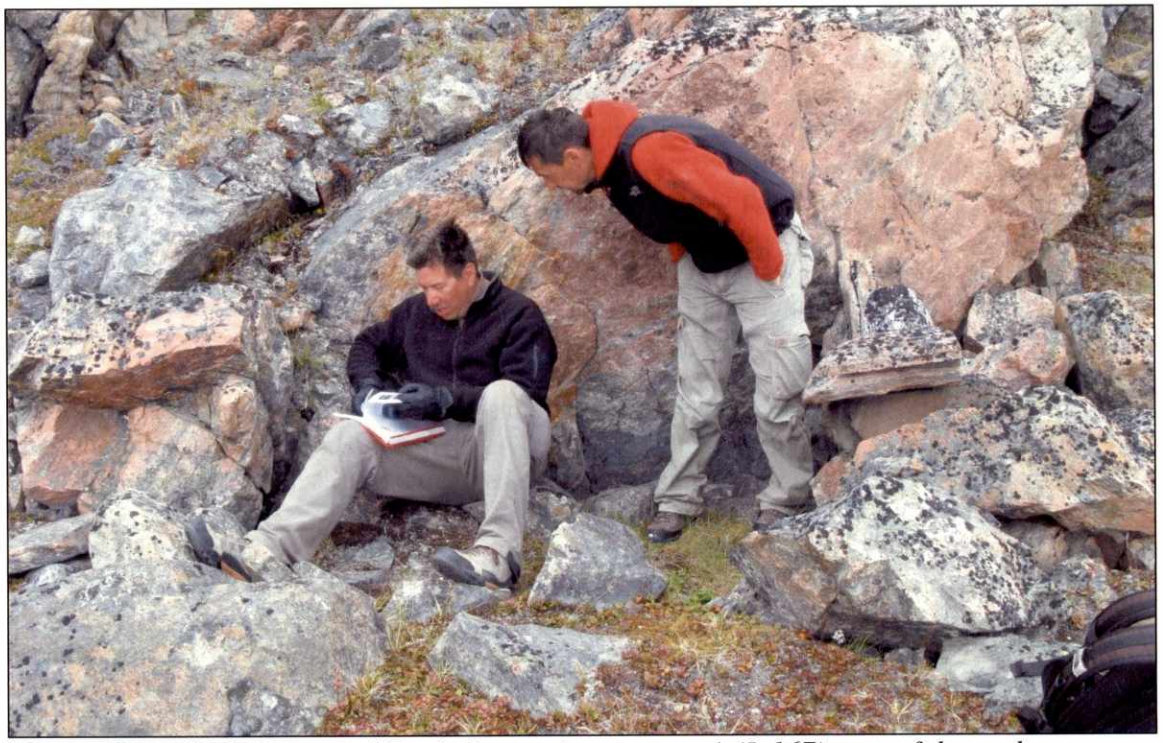


Figure 10: *Mikkel Myrup and Fuuja Larsen in structure A (L 167) west of the settlement Qoornoq Kangilleq.*

Tasersiaq West

On the northern shore L151 were revisited for sampling material for radiocarbon dating from a grave and its ante chamber and for video recording of the site. An arrowhead was collected from the antechamber and an ulna from the grave.

L124b – A tent house - By the rock, Napasoq, giving name to the site another tent house L124b were recorded below the rock and just above the shore.

Figure 11: *Tent house L124 B situated by the boulder "Napasoq" and just above the shore line, in the western part of Tasersiaq.*

Site L127 by Qaarsormiut was revisited to collect charcoal from the Saqqaq culture tent ring. Unfortunately charcoal was absent in the feature and it was not possible to identify layers of cultural significance under the stone from which the feature were build. Search in the immediate area bordering the structure gave no results.

On the southern shore of Tasersiaq in the settlement of Issormiut, L 567, a test pit was dug 25 centimeters into the midden area just beneath the tent houses and a caribou bone were sampled. Some caribou bones were also taken up from a cavity between two boulders presumably feature I, between the tent houses. Both samples were collected for radiocarbon dating.

L168 – A temporary settlement – The settlement consisted of presumably two tent houses and three hunter's beds build against a bedrock wall. As the presumed tent houses did not look as substantial as usual the settlement is regarded as a temporary settlement.

L169 – A hunter's bed - At the hinterland of Issormiut, at some distance from site L168 a hunter's bed were also recorded

While waiting for the delayed helicopter transfer to area 6g the hunting territory surrounding Quantum Lake was video recorded and two of the localities recorded last summer were inspected as the structures (cairns, shooting blinds and hunter's beds) were build quit on the edge of steep cliffs, which is a very strange position.

Figure 12: *Settlement L168 situated west of Issormiut, L567.*

Recorded sites at Tasersiaq West:

L124 B	tent house. Add. to prev.	Pos.	N 66°12,659' / W 51°01,989'	at	Napasoq
L 168	temporary settlement	"	N 66°14,683' / W 51°15,007'	"	Issormiut
L 169	hunter's bed	"	N 66°14,662' / W 51°15,256'	"	Issormiut

Qaamasoq, Tarsartuup Tasersua and Tussaap Tasia (6g)

The aim of visiting the area was to survey stretches which due to different reasons were not reached in the summer of 2007. Due to some confusion the helicopter which transferred the team to the southern area did not bring fuel for the outboard motor and the weather did not permit delivery the next three days. After receiving fuel supplies, the final part of the planned surveying was carried out. More time could have been used for this part of the survey. But we considered it to risky delaying the planned helicopter transfer to Tussaap Tasia, because of the unstable weather and the bad weather forecasts for the rest of the week.

Qaamasoq

Survey on areas bordering Qaamasup Tasia did not produce new features, but six more features were discovered at site L103 between Qaamasoq and Tarsartuup Tasersua, were we had our camp.

New recorded structures at site L103 between Qaamasoq and Tarsartuup Tasersua:

L103, 2 hunter's beds, 2 caches + 2 tent rings. Pos. N65°02,686 / 50°08,120 at Qaamasoq

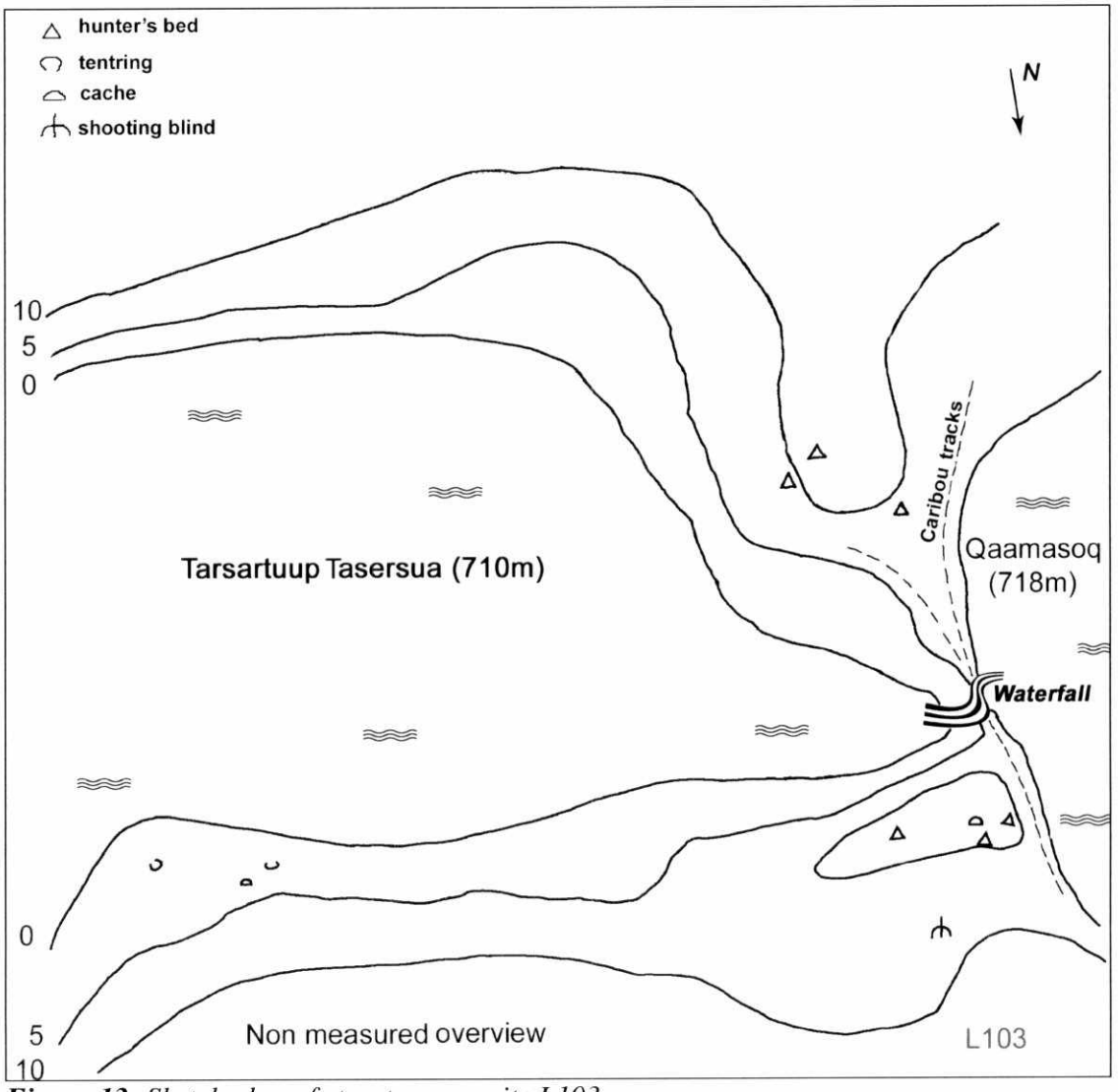


Figure 13: *Sketch plan of structures on site L103*

Northern part of Tarsartuup Tasersua

Survey in the northernmost part of Tarsartuup Tasersua produced more sites of different types. L14 was revisited for sampling material for radiocarbon dating. A test pit in feature 1 produced no samples, but under the layer of vegetation in feature 6 some caribou bones were collected.

L171 - Hunter's beds/tent houses - Situated on a small island near to the western shore of the lake. Three features resembling something between hunter's beds and tent houses are built around a big rock.

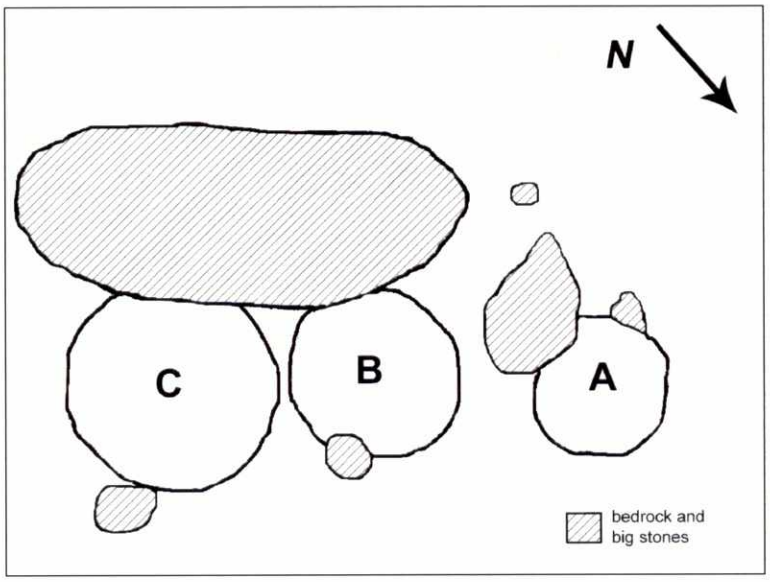


Figure 14: *Non measured sketch plan of the structures on site L171.*

L172 – A settlement – The site consisting of one or two tent houses (A & B) built against a big rock situated approximately 30 metres north of two shooting blinds (D 1 & 2)situated quite near the lake shore. Later visitors had inscribed their names and some years on the rocks just behind the blinds. A cache is built against the outcrop to the west of the structures.

Figure 15: *Shooting blind situated by the lake shore at site L172. In the background sit L173 is visible on the promontory and farther behind on the next promontory site L174.*

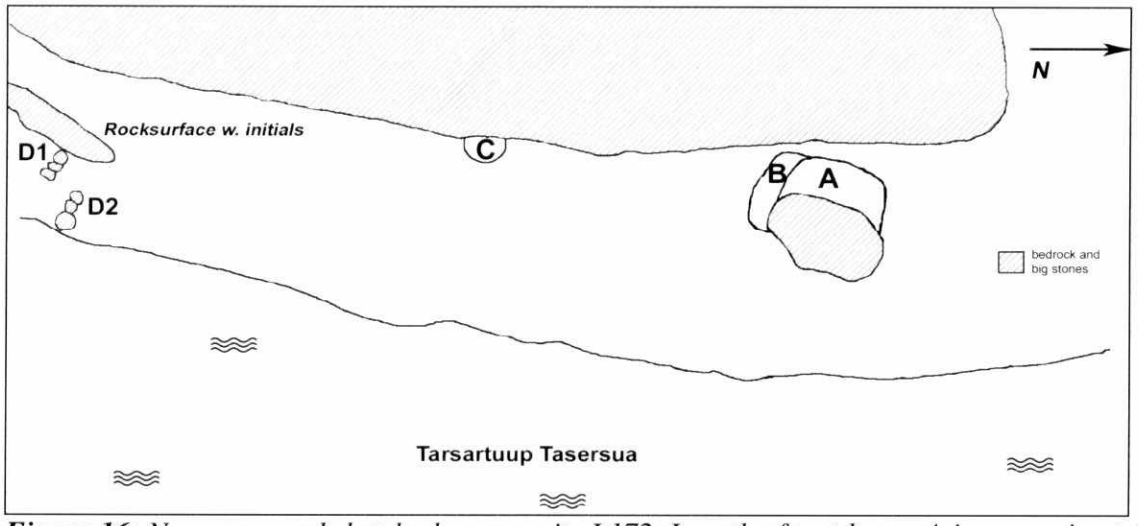


Figure 16: *Non measured sketch plan over site L172. Length of tent house A is approximately 2 ½ meters.*

L173 - Three observation posts – The site comprises three hunter's beds situated on a narrow promontory SE of L172 on the eastern shore of the lake.

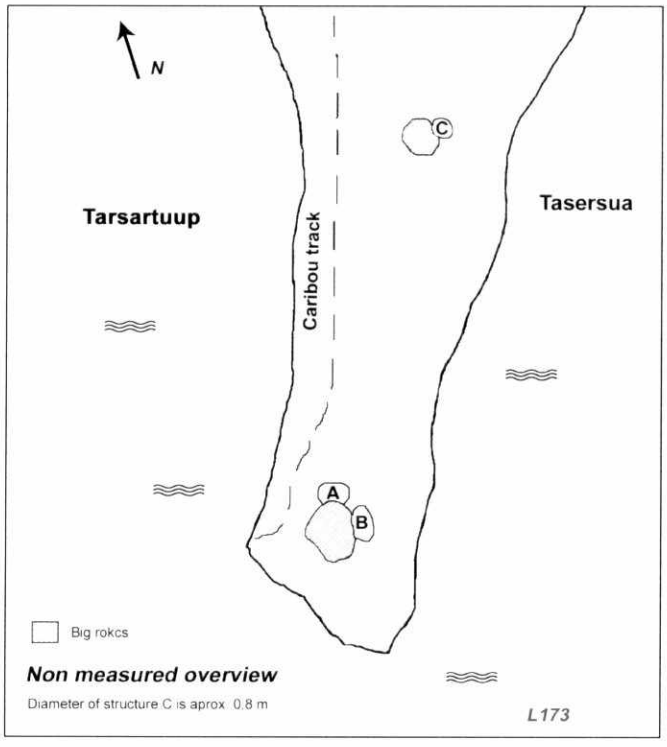


Figure 17: *Plan over promontory where three hunter's beds are situated.*

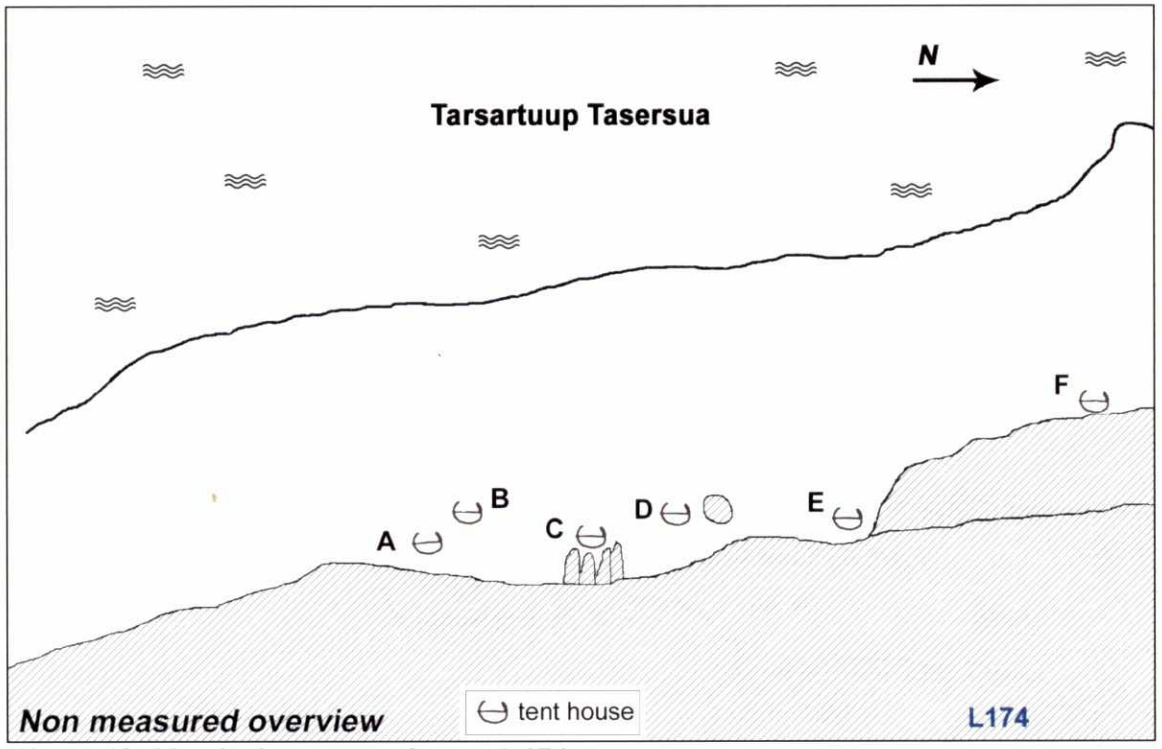


Figure 18: *Sketch plan over settlement L 174*

L174 - A settlement - On the Eastern shore of a little inlet at least 2 stone huts and 4 tent houses are built against an outcrop on a promontory south east of L173.

Figure 19: *Ruin of a stone hut from site L174.*

L 172-74

The three last described sites presumably are to be regarded as connected to each other. They are situated in northernmost, narrow part where Lake Tarsartooq turns into a river. On both shores of the narrow part a lot of animal paths are visible. This area is probably a place were caribous cross the lake. Hunters from settlement L174 presumably used the hunter's beds on the promontory at site L173 when looking out for swimming animals. Here the kayaks could easily be put into the lake to get the prey. Hunters at site L171 could take the surviving animals

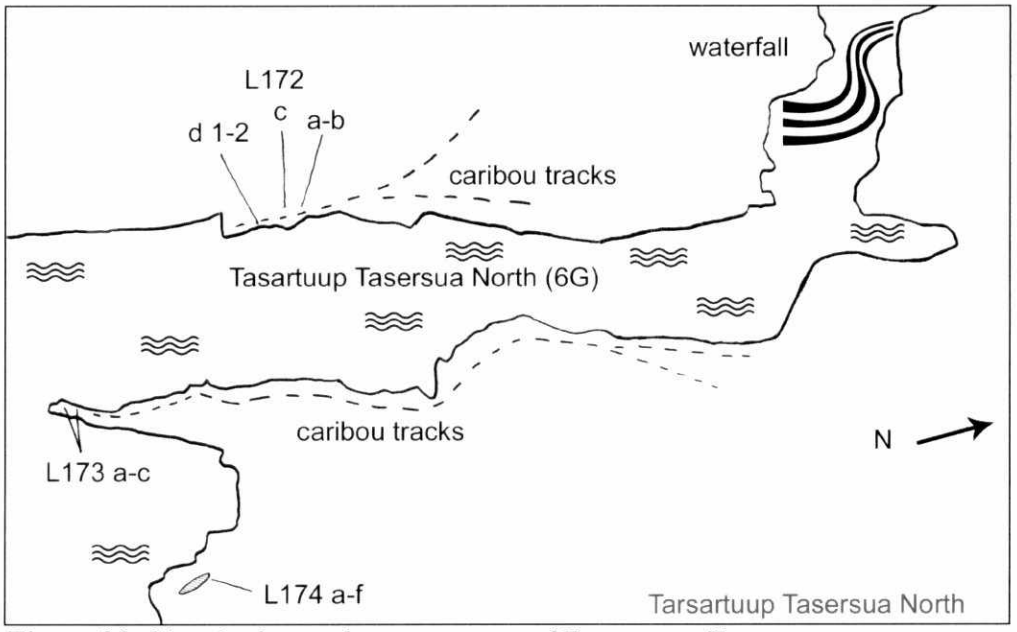


Figure 20: *Sites in the northern most part of Tarsartuup Tasersua.*

Recorded sites in the northernmost part of Tarsartuup Tasersua

L 170	Hunters bed	Pos. N65°13,503' / W50°14,896' at Tarsartuup N
L 171	Settlement	" N65°08,012' / W50°08,741' " Tarsartuup N
L 172	Tent house + shooting bl.	" N65°08,737' / W50°08,979' " Tarsartuup N
L 173	Hunter's bed	" N65°08,580' / W50°08,714' " Tarsartuup N
L 174	Settlement	" N65°08,649' / W50°08,481' " Tarsartuup N

Lake between Qaamasoq and Tussaap Tasia

The lake between Qaamasoq and Tussaap Tasia that was only partly surveyed in the summer of 2007 produced two recent tent rings and a cairn.

Recorded features around lake between Qaamasoq and Tussaap Tasia

L 175	Tent ring + cairn	Pos. N65°00,328' / W50°07,788'
L 176	Tent ring	Pos. N64°59,372 '/ W50°06,701'

Tussaap Tasia

Site L105 by Tussaap Tasia was revisited for sampling. Test pits were dug in features F and J. Bones were not found in F. Caribou bones were collected from feature J and a grave was discovered inside the house. A human bone was collected for radiocarbon dating and DNA-analysis. A caribou bone was also collected from between the stones in the wall of feature A.

An unmapped tent house was recorded as feature O. Two playhouses (P + Q) were added to previous recordings.

New recorded sites by Tussaap Tasia
L105 Tent house, 2 playhouses + grave, Pos. N64°55,587' / W50°11,590' at Tussaap Tasia

Summary of results

The results from the surveys and the sampling were fruitful. Survey by the shores of Tasersiap Qalia made clear that the area have not been used as a permanent hunting area. Probably hunting has only occurred from time to time. The discovery of the settlements (L161, L162, L163, L164, and 166) in the eastern part of Tasersiaq indicates that this part of the lake had been used by people both from The Saqqaq Culture and by Inuit presumable since the 14th century. This is probably the first time that remains from the Saqqaq Culture have been found that far inland in West Greenland. Settlement L162 confirms that a Inuit settlement east of Qoornoq Kangilleq (L563) had existed as told by Aron from Kangeq in the legend about Aariassuaq.

The observation by the survey team of the lowering of the water in the lake indicates that probably more features could be discovered by surveying the shorelines in late summer, were the melting of the icecap is reduced.

Test pits by Lake Tasersiaq East indicate that layers containing cultural significant material are not to be found under the existing building materials. Actually humus is not to be found by the areas bordering the eastern part of Tasersiaq. This correlates with the observation that vegetation by the shores of Tasersiaq gets more abundant from the western end of Qeqertaasaq and the test pitting confirm that layers of cultural significance are not likely to the east of L23.

This season the survey team among other purposes had a special focus on the relations between recorded features and the landscape. In several occasions as described in the recording of the sites L156 – 160 and L172-174 it has provided an understanding of how topographical characteristics combined with prey behavior have influenced the site distribution. It has also been noticed that most of the hunting systems are situated on the southern shore of Tasersiaq. Some of the hunting structures are obviously situated on odd places. Never the less the hunting structures deserve a closer examination which could not be done within the time frame for the surveys his summers.

Summary of previously unknown structures found in 2008

Structures by Qaamasoq, Tarsartuup Tasersua & Tussaap Tasia (6g)

Type of structure	Locality serial number									Total
	103*	105*	170	171	172	173	174	175	176	
tent house		1		3	2		6			12
tent ring	2							1	1	4
paleoesk. structure										0
hunter's bed	2		1			3				6
fireplace										0
cache	2									2
play house		2								2
grave		1								1
rock shelter										0
cairn system										0
shooting blind		1								1
fox trap										0
single cairn								1		1
bone concentration										0
other										0
total	6	5	1	3	2	3	6	2	1	29

* Additions to previous finds of structures at locality

Structures by Tasersiaq (7e)

Type of structure	Locality serial number																Total
	124b	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	
tent house	1								8						2		23
tent ring		1															5
paleoesk. struct.								1		1	6		2				10
hunter's bed			3				1								3	1	14
fireplace																	0
cache									2					1			5
play house																	2
grave																	1
rock shelter				1													1
cairn system												1					1
shooting blind					1												1
fox trap														1			1
single cairn									3								4
bone concentr.																	0
other						1			1								2
total	1	1	3	1	1	1	1	1	14	1	6	1	2	2	5	1	71

Summary of previously unknown sites found in 2008:

Number	Structure	Position N	Position W	Place name	Above lake
L103	2 hunter's beds, 2 caches + 2 tent rings (add. to previous)	65°02,686'	50°08,120'	Qaamasoq / Tarsartuup Taser.	9 – 29 m
L105	tent house, 2 playhouses + grave. (add. to prev.)	64°55,587'	50°11,590'	Tussaap Tasia	2 – 8 m
L124B	tent house (add. to prev.)	66°12,659'	51°01,989'	Napasorsuaq	1,5 m
L 155	tent ring	66°16,208'	50°05,202'	Tasersiap Qal.	0.5 – 1m
L 156	3 hunter's beds	66°18,663'	49°55,038'	Umiatsiaasat	>30 m
L 157	rock shelter	66°18,725'	49°55,087'	Umiatsiaasat	>30 m
L 158	shooting blind	66°18,745'	49°55,117'	Umiatsiaasat	>30 m
L 159	row and heap of stones	66°18,503'	49°54,827'	Umiatsiaasat	30 m
L 160	hunter's bed	66°18,493'	49°54,861'	Umiatsiaasat	26 m
L 161	box hearth	66°12,638'	50°04,516'	Tasersiaq E	2 m
L 162	settlement	66°12,651'	50°03,909'	Tasersiaq E	2 -12 m
L 163	settlement (Saqqaq)	66°12,597'	50°05,074'	Tasersiaq E	4 m
L 164	Settlement (Saqqaq)	66°12,617'	50°04,579'	Tasersiaq E	0 - 0,5 m
L 165	hunting drive	66°11,098'	50°08,948'	Tasersiaq E	11 m
L 166	settlement (Saqqaq)	66°13,692'	50°24,704'	Tasersiaq	2 m
L 167	shelter/cache + fox trap	66°12,803'	50°47,014'	Qoornoq Kang.	2 - 3 m
L 168	temporary settlement	66°14,683'	51°15,007'	Issormiut	30 m
L 169	hunter's bed	66°14,662'	51°15,256'	Issormiut	30 m
L 170	hunter's bed	65°13,503'	50°14,896'	Tarsartuup N	3 m
L 171	settlement	65°08,012'	50°08,741'	Tarsartuup N	3 m
L 172	tent house + shooting bl.	65°08,737'	50°08,979'	Tarsartuup N	1,5 – 3 m
L 173	hunter's beds	65°08,580'	50°08,714'	Tarsartuup N	2 – 3 m
L 174	settlement	65°08,649'	50°08,481'	Tarsartuup N	7 m
L 175	tent ring + cairn	65°00,328'	50°07,788'	Unknown	4 m
L 176	tent ring	64°59,372'	50°06,701'	Unknown	

List of finds from survey in Tasersiaq (7e) and Tarsartuup Tasersua (6g)

Tasersiaq

L 151X1: Ulna from grave, structure A, collected for radiocarbon dating (and DNA-analysis?).
L 151X2: Arrow point collected for radiocarbon dating from ante chamber, structure B.
L 161X1: Charcoal from hearth collected for radiocarbon dating.
L 162X1: Caribou bone from area J, collected for radiocarbon dating.
L 163X1: Killiaq point
L 163X2: Quartz and killiaq flakes
L 163X3: Charcoal from test pit I layer II for radiocarbon dating.
L 163X4: Small quartz flakes.
L 164X1: Rock crystal knife
L 164X2: Quartz core
L 164X3: Rock crystal and quartz flakes
L 164X4: Charcoal from structure E collected for radiocarbon dating.
L 166X1: Calchedony flakes.
L 558X2: Caribou bone from test pit 1 in midden area 3 metres below structure 3 collected for radiocarbon dating at a depth of 15 centimetres.
L 558X3: Caribou bone from test pit 2 in midden area 4, 5 metres below structure 3 collected for radiocarbon dating in a depth of 30 centimetres.
L 563X4: Caribou bone from test pit structure 5 collected for radiocarbon dating.
L 563X5: Charcoal from structure 17 collected for radiocarbon dating.
L 567X1: Caribou bones collected in cavity between stones in structure I for radiocarbon dating.
L 567X1: Caribou bone collected in a depth of 25 centimetres in test pit 1 in midden area below the settlement.

Tarsartuup Tasersua, Qaamasoq and Tussaap Tasia

L 14X1: Caribou bone collected from test pit in structure 6 for radiocarbon dating.
L 103X1: Caribou antler with writing, collected on surface for storage in museum.
L 105X1: Caribou bone from structure A collected for radiocarbon dating.
L 105X2: Salix collected for tree ring dating.
L 105X2: Humorous from grave in structure J collected for radiocarbon (and DNA - analysis?).
L 120X1: Calchedony point.
L 120X2: Killiaq flake
L 120X3: Charcoal from hearth in structure A collected for radiocarbon dating.

List of samples for radiocarbon dating

Tasersiaq
L 120X3: Charcoal from hearth in structure.
L 151X1: Ulna from grave, structure A.
L 151X2: Arrow point collected from ante chamber, structure B.
L 161X1: Charcoal from hearth.
L 162X1: Caribou bone from area J.
L 163X3: Charcoal from test pit I layer II.
L 164X4: Charcoal from surface of structure E.
L 558X2: Caribou bone from test pit 1 in midden area below structure 3 in a depth of 15 cm.
L 558X3: Caribou bone from test pit 2 in midden 4 metres below structure 3 in a depth of 20 cm.
L 563X4: Caribou bone from test pit in structure 5, collected at a depth of 30 centimetres.
L 563X5: Charcoal from structure surface of 17.
L 567X1: Caribou bones from structure I.
L 567X2: Caribou bone from test pit 1 in midden area just below the tent houses.

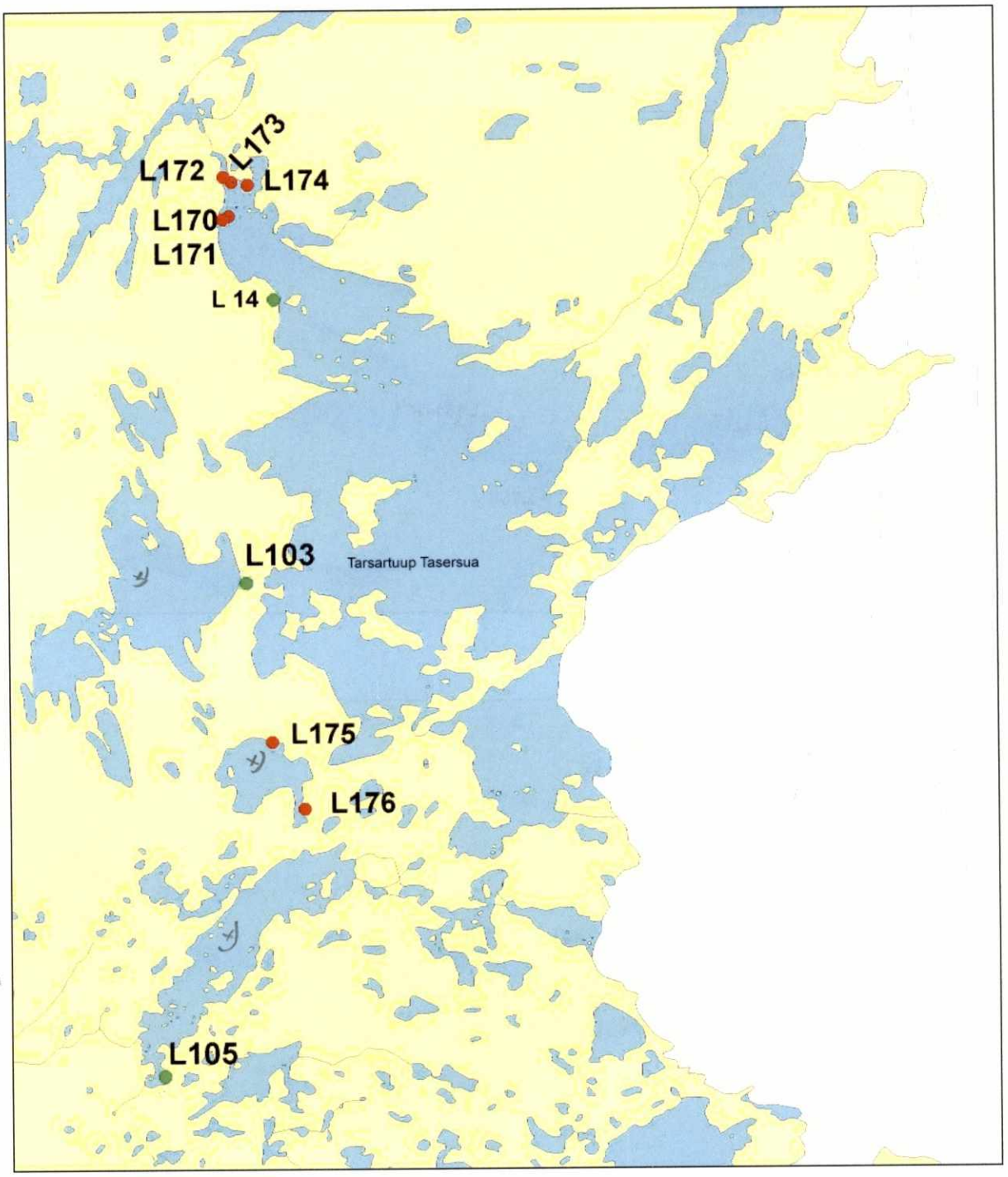
Tarsartuup Tasersua, Qaamasoq and Tussaap Tasia
L 14X1: Caribou bone collected from test pit in structure 6.
L 105X1: Caribou bone from between stones in wall in structure A.
L 105X2: Humorous from grave in structure J.

List of samples collected for tree ring dating

L 105X2: Salix collected for tree ring dating

List of samples collected for DNA-analysis

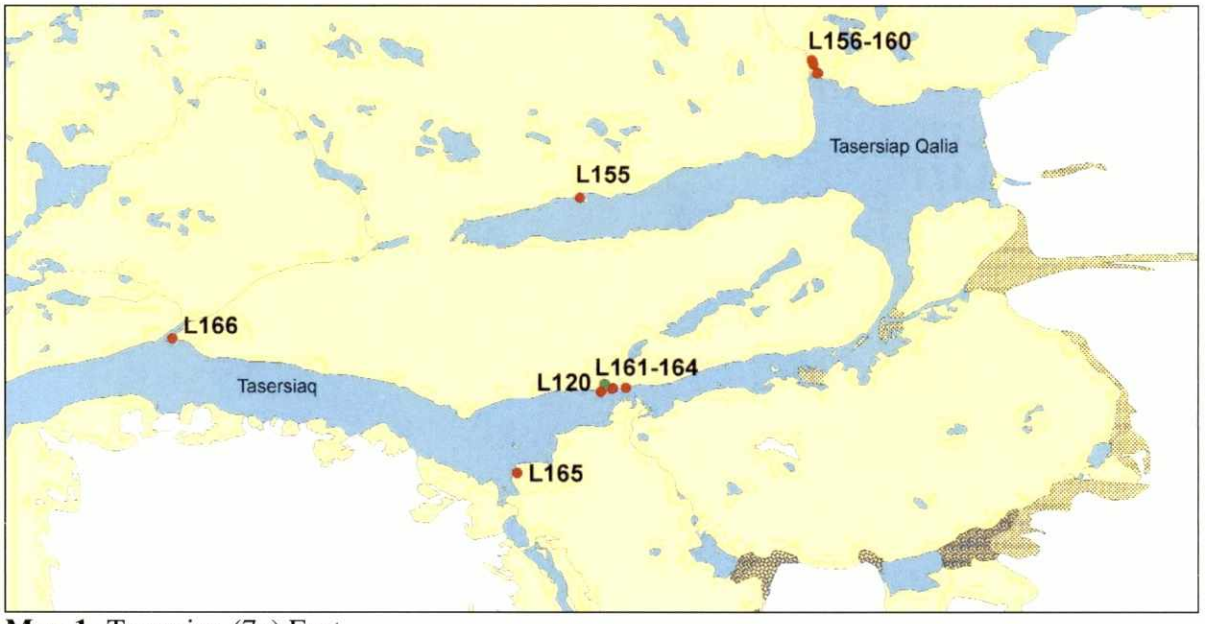
L 151X1: Ulna from grave, structure A
L 105X2: Humorous from grave in structure J



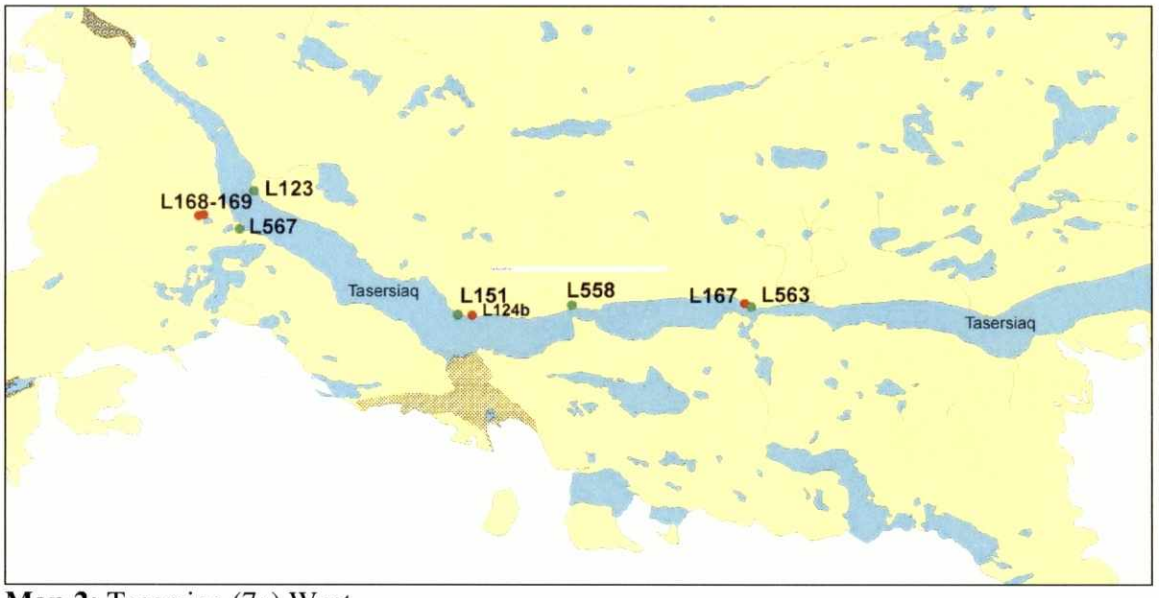
Map no. 3: Tarsartuup Tasersua, Qaamasoq og Tussaap Tasia (6g)

Maps of the survey areas and localities mentioned in the report

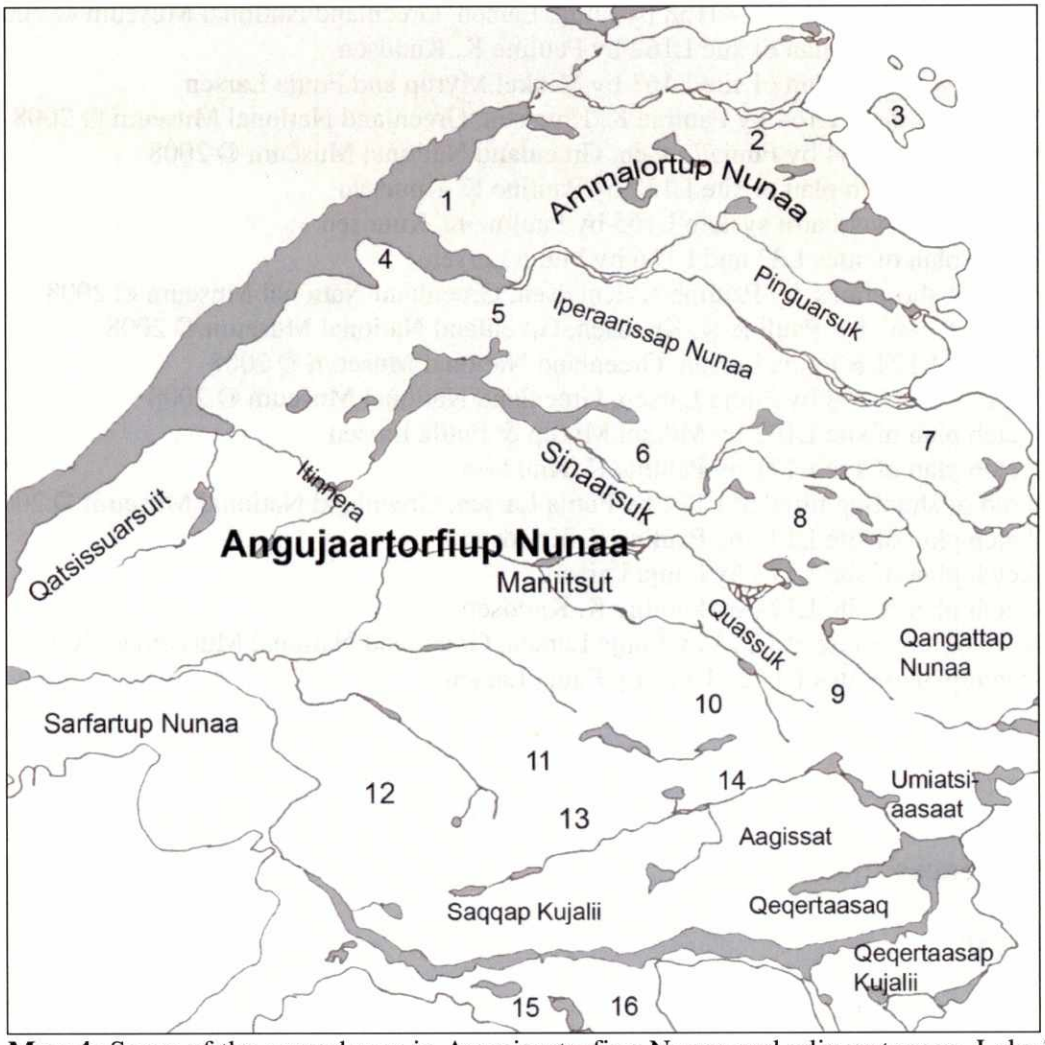
● Sites recorded in 2008 and ● sites recorded in 2008 2007



Map 1: Tasersiaq (7e) East



Map 2: Tasersiaq (7e) West.



Map 4: Some of the named area in Angujaartorfiup Nunaa and adjacent areas. Lake Tasersiaq are situated in the lower part of the areas (the Settlements, Allorariit and Igguutia, are situated in area 10):

1. Nakajanga
2. Perserajuut
3. Isorlersuaq
4. Nuuerut
5. Qoornup Nunaa
6. Ungooriarfik
7. Akuliarusersuaq
8. Qeqertaarsullup Nunaa
9. Ujarattooq
10. Ujarattuup Killia
11. Anariartorfik
12. Narsaarsuk
13. Saqqaa Killeq
14. Saqqaa Kangilleq
15. Qivittup Nunaa
16. Amitsulooq

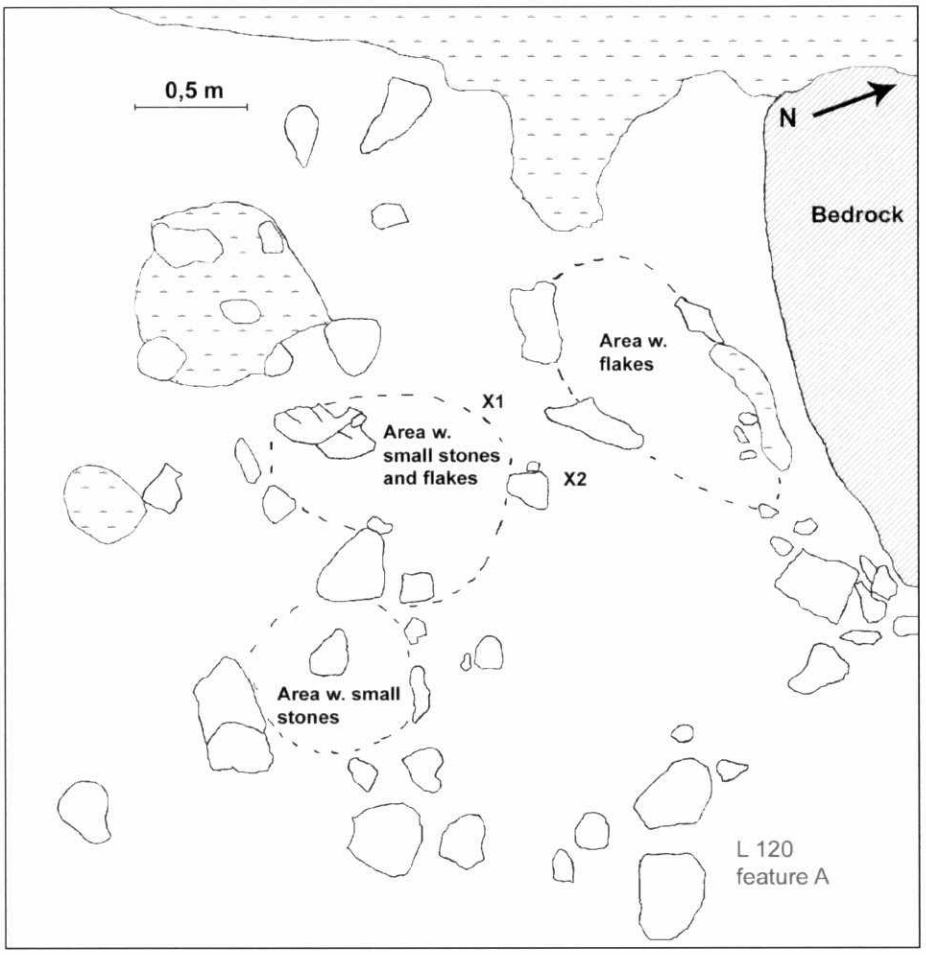
List of figures:

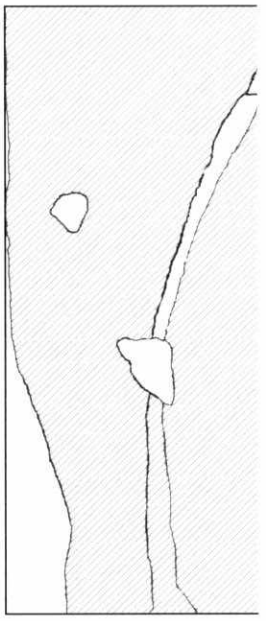
Source references

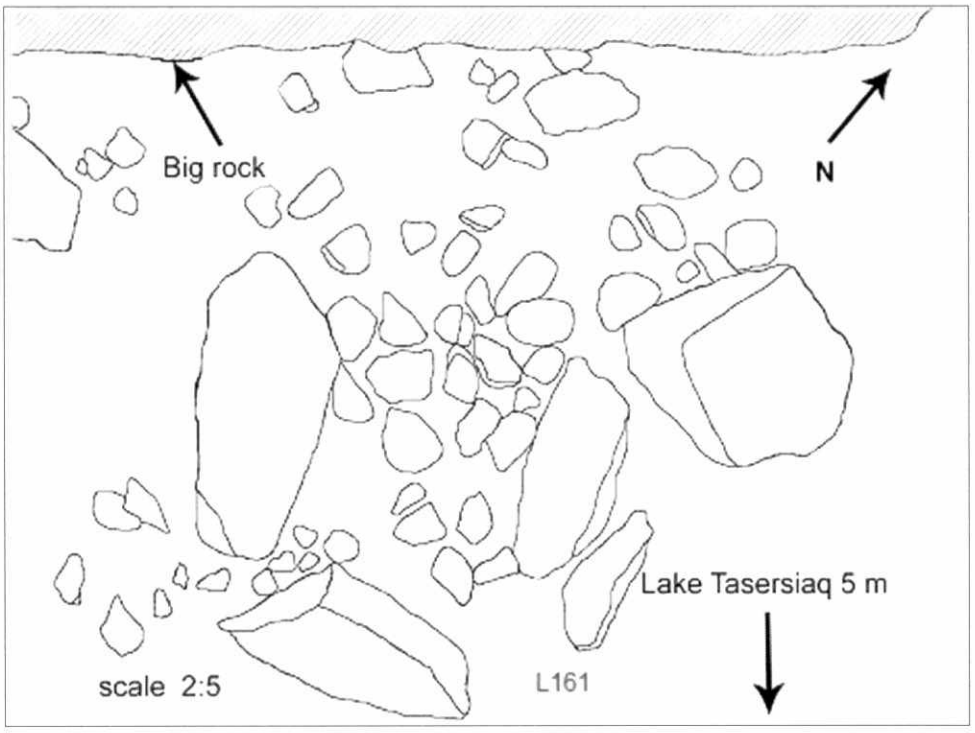
Aron of Kangeq:

Appendix

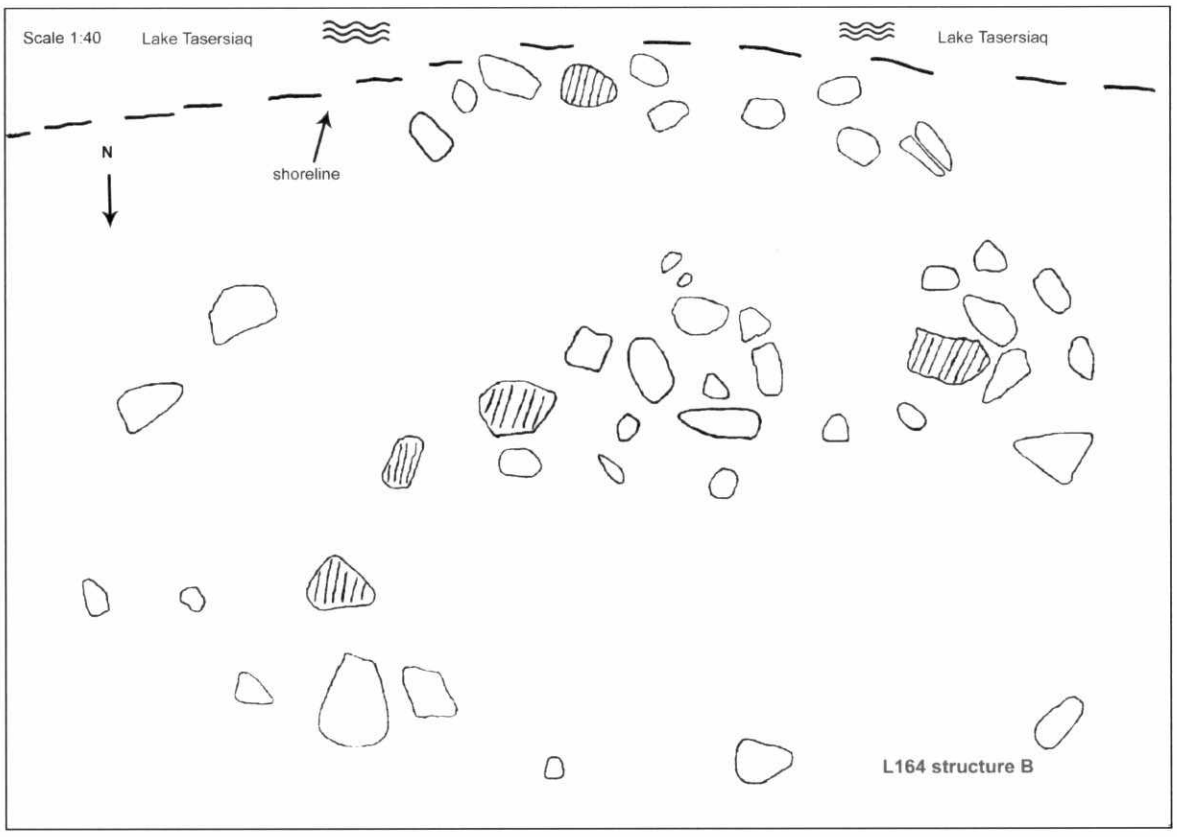
Sketch plans over some of the archaeological structures

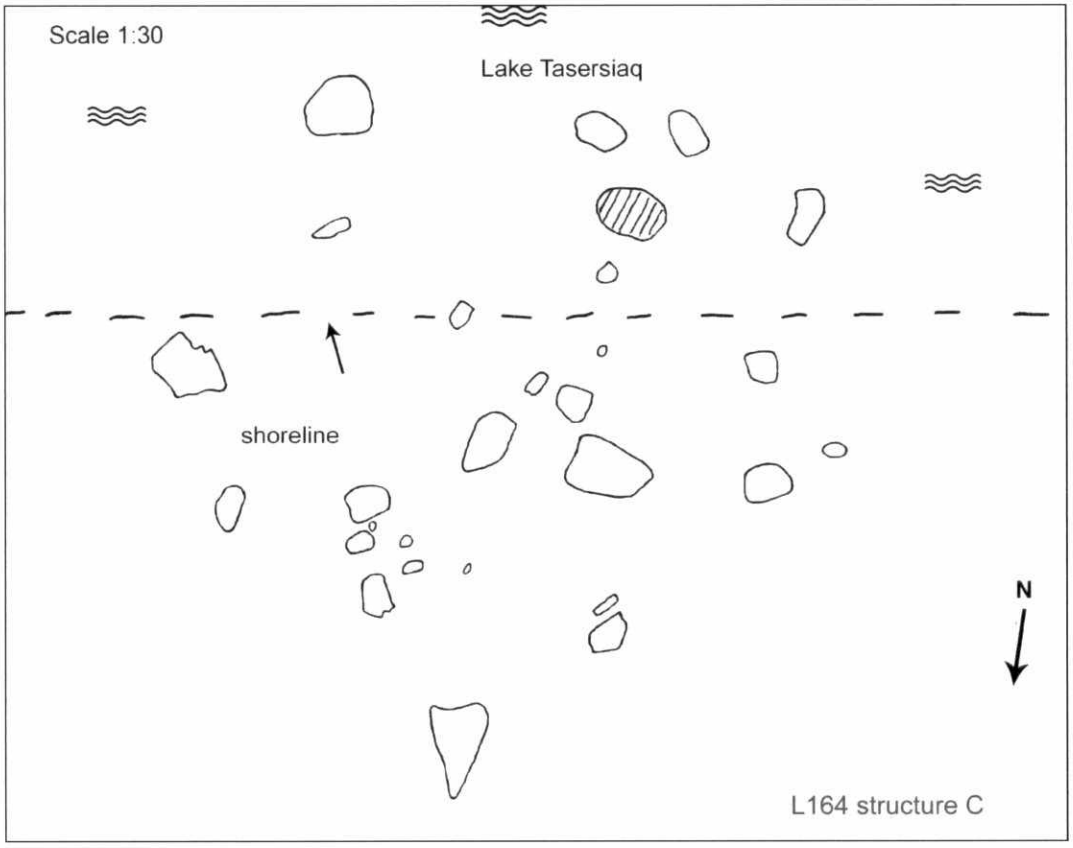

0,5 m
N
Bedrock
Area w.
flakes
X1
Area w.
small stones
and flakes
X2
Area w. small
stones
L 120
feature A

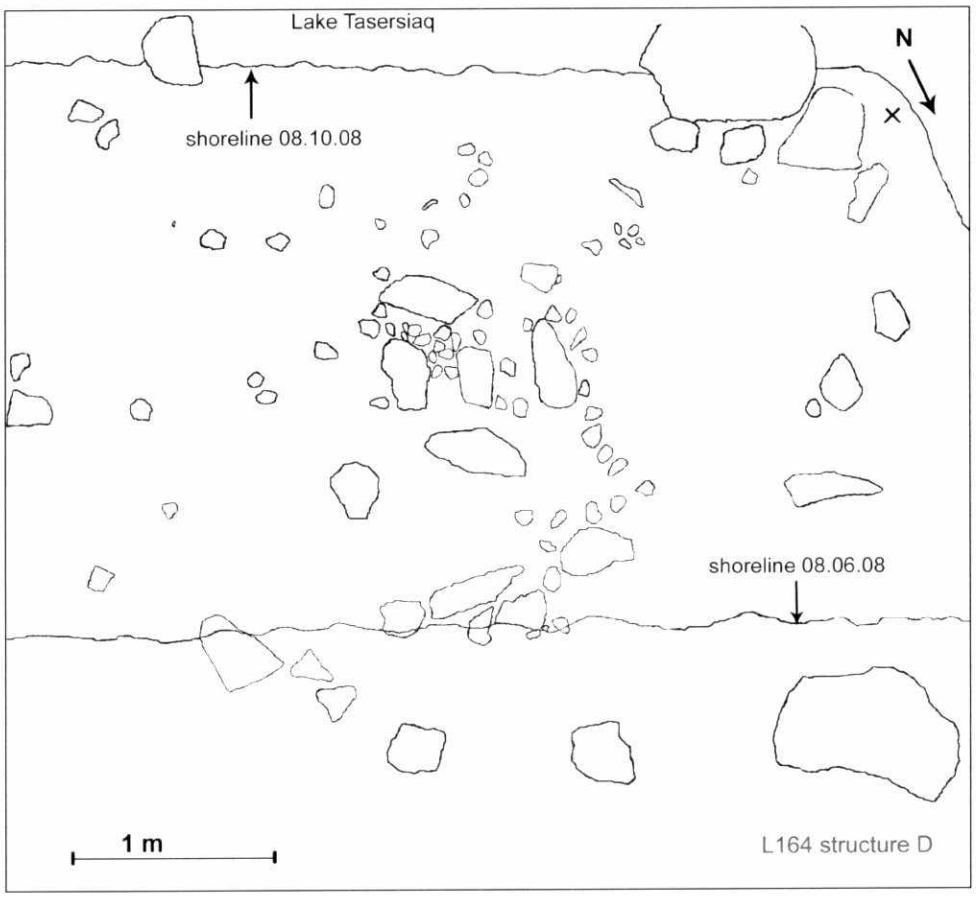


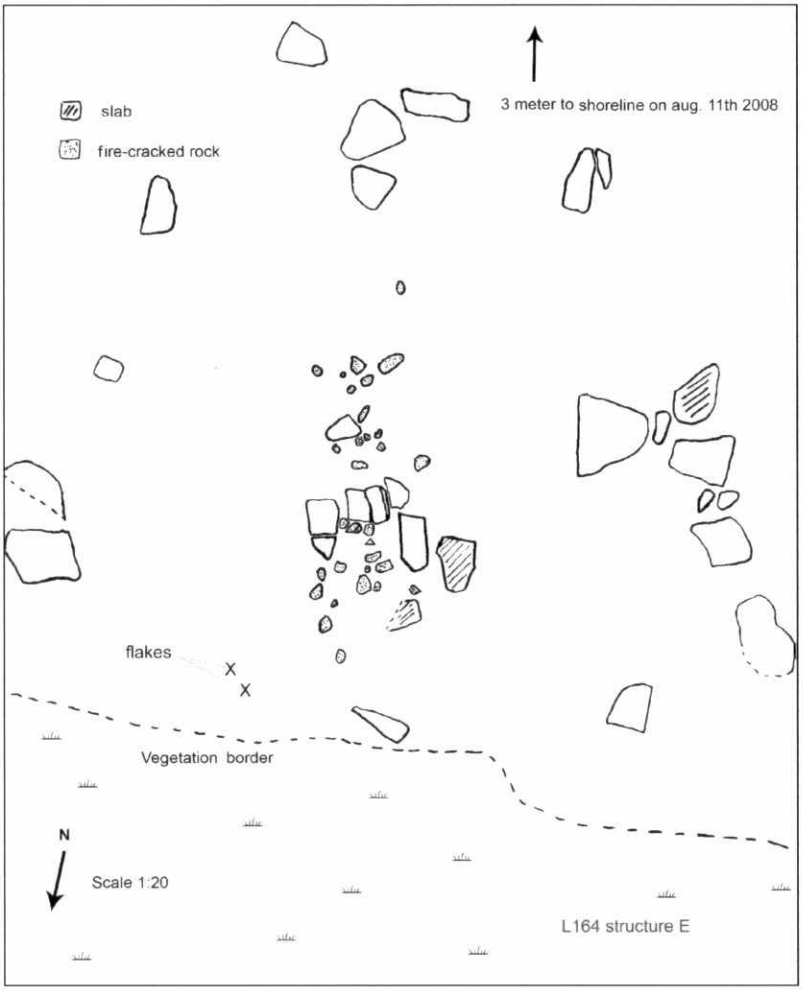

Big rock
N
Lake Tasersiaq 5 m
scale 2:5
L161

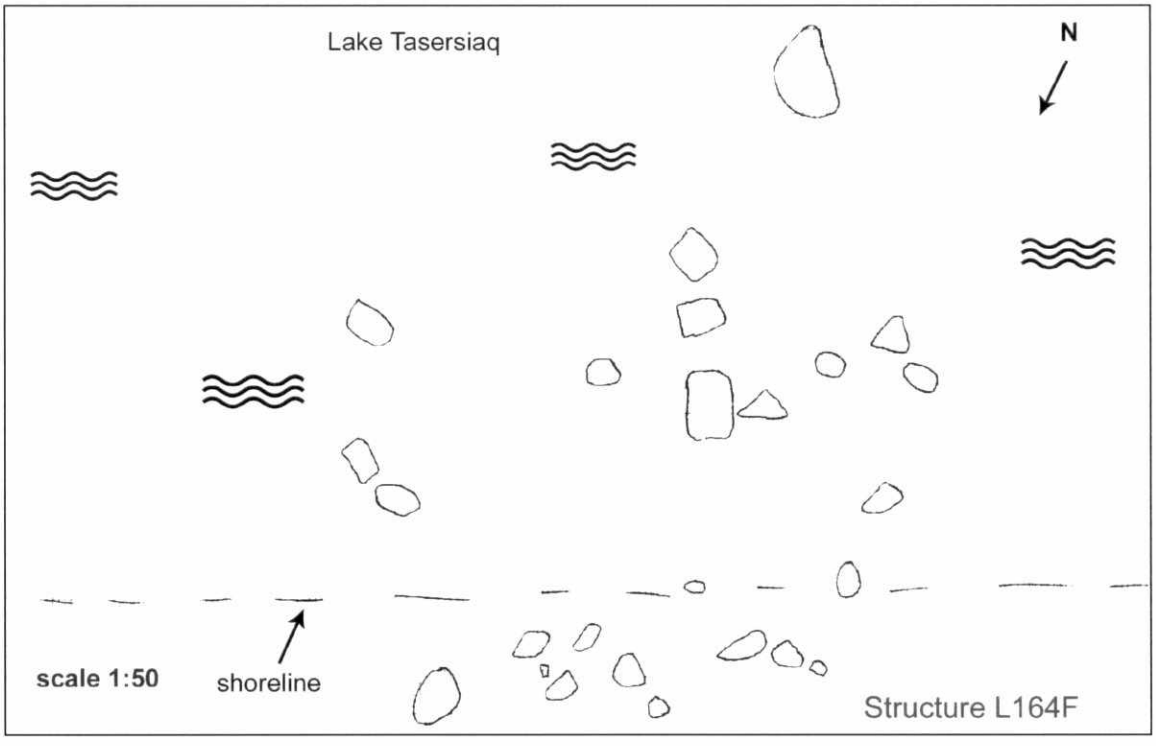

Lake Tasersiaq
Lake Tasersiaq
Scale 1:20
Shoreline
N
Structure L164 A

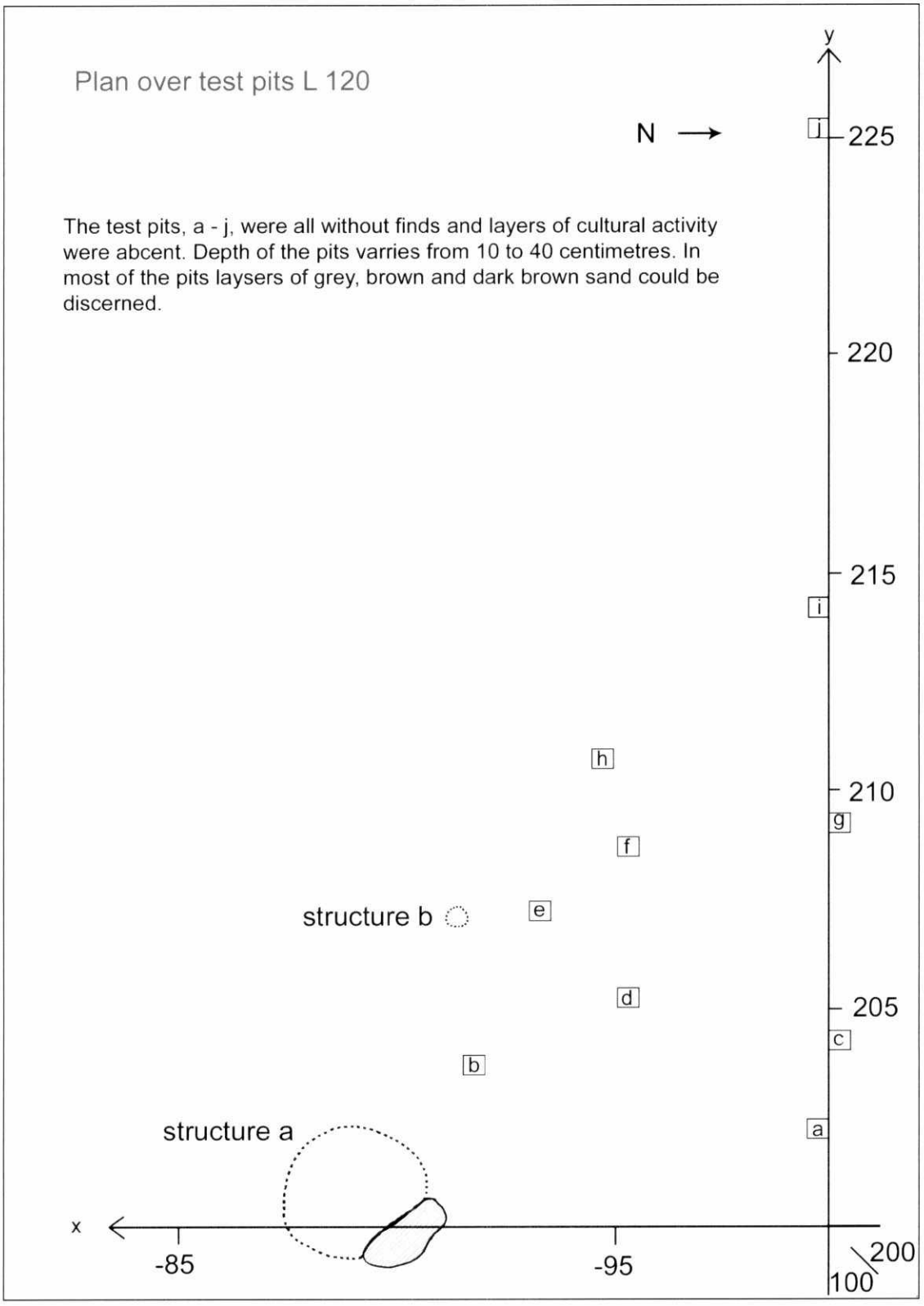

Scale 1:40
Lake Tasersiaq
Lake Tasersiaq
N
shoreline
L164 structure B


Scale 1:30
Lake Tasersiaq
shoreline
N
L164 structure C


Lake Tasersiaq
N
shoreline 08.10.08
shoreline 08.06.08
1 m
L164 structure D


slab
fire-cracked rock
3 meter to shoreline on aug. 11th 2008
flakes
X
X
Vegetation border
N
Scale 1:20
L164 structure E


Lake Tasersiaq
N
scale 1:50
shoreline
Structure L164F


Plan over test pits L 120
N
The test pits, a - j, were all without finds and layers of cultural activity were abcent. Depth of the pits varries from 10 to 40 centimetres. In most of the pits laysers of grey, brown and dark brown sand could be discerned.
y
225
220
215
210
205
200
j
i
h
g
f
e
d
c
b
a
structure b
structure a
x
-85
-95
100

List of photos taken at survey in the summer of 2008

IMG 0328		Fuuja & Mikkel assembling boat	N	03.08.08	Tasersiap Qalia
IMG 0329		Fuuja & Mikkel assembling boat	N	03.08.08	Tasersiap Qalia NE
IMG 0330		Fuuja & Mikkel assembling boat	N	03.08.08	Tasersiap Qalia NE
IMG 0331		Landscape	W	03.08.08	Tasersiap Qalia NE
IMG 0332		View towards West	E	03.08.08	Tasersiap Qalia NE
IMG 0333		Musk oxen	SW	03.08.08	Tasersiap Qalia
IMG 0334		Musk ox	SW	03.08.08	Tasersiap Qalia
IMG 0335	L 156	Hunter's bed	N	04.08.08	Umiatsiaasat
IMG 0336	L 156	Hunter's bed	N	04.08.08	Umiatsiaasat
IMG 0337	L 156	Pauline mapping a hunters bed	SW	04.08.08	Umiatsiaasat
IMG 0338	L 156	Hunter's bed	N	04.08.08	Umiatsiaasat
IMG 0339	L 156	Hunter's bed	N	04.08.08	Umiatsiaasat
IMG 0340	L 156	Hunter's bed	W	04.08.08	Umiatsiaasat
IMG 0341	L 156	Hunter's bed	N	04.08.08	Umiatsiaasat
IMG 0342	L 156	Hunter's bed	W	04.08.08	Umiatsiaasat
IMG 0343	L 157	Rock shelter	SW	04.08.08	Umiatsiaasat
IMG 0344	L 157	Rock shelter	SW	04.08.08	Umiatsiaasat
IMG 0345		Bank on East side of river	N	04.08.08	Umiatsiaasat
IMG 0346		Area with fallen boulders	W	04.08.08	Umiatsiaasat
IMG 0347		Mikkel & Fuuja	N	04.08.08	Umiatsiaasat
IMG 0348		Mikkel videorecording & Fuuja assists	E	06.08.08	Umiatsiaasat
IMG 0349		Mikkel videorecording & Fuuja assists	SE	06.08.08	Umiatsiaasat
IMG 0350		Bank on East side of river S		06.08.08	Umiatsiaasat
IMG 0351	L 158	Path trodden by animals by L 158	SW	06.08.08	Umiatsiaasat
IMG 0352	L 158	Cairn and shooting blind	E	06.08.08	Umiatsiaasat
IMG 0353	L 158	Shooting blind	SE	06.08.08	Umiatsiaasat
IMG 0354	L 158	Shooting blind	SE	06.08.08	Umiatsiaasat
IMG 0355	L 158	Shooting blind	SE	06.08.08	Umiatsiaasat
IMG 0356		Cairn		06.08.08	Umiatsiaasat
IMG 0357	L 158	Shooting blind	N	06.08.08	Umiatsiaasat
IMG 0358		Archaeologists camp	NE	06.08.08	Umiatsiaasat
IMG 0359	L 159	Structure of stones	N	06.08.08	Umiatsiaasat
IMG 0360	L 159	Structure of stones	NE	06.08.08	Umiatsiaasat
IMG 0361	L 159	Structure of stones	NE	06.08.08	Umiatsiaasat
IMG 0362	L 160	Hunter's bed	N	06.08.08	Umiatsiaasat
IMG 0363		Channel between Qalia & Tasersiaq	N	06.08.08	Tasersiap Qalia
IMG 0364		West bank of channel	NE	06.08.08	Tasersiap Qalia
IMG 0365		Mikkel is steering the zodiac	SE	06.08.08	Tasersiap Qalia
IMG 0366		Small waves due to current in channel.	N	06.08.08	Tasersiap Qalia
IMG 0367		The archaeologists camp just N of L164	N	06.08.08	Tasersiaq E
IMG 0368	L 120	Mikkel & Fuuja digging test pits		07.08.08	Tasersiaq E
IMG 0369	L 120	Axial feature from the Saqqaq Culture	S	07.08.08	Tasersiaq
IMG 0370	L 120	Axial feature from the Saqqaq Culture	W	07.08.08	Tasersiaq
IMG 0371	L 120	Axial feature from the Saqqaq Culture	N	07.08.08	Tasersiaq
IMG 0372	L 120	Axial feature from the Saqqaq Culture	E	07.08.08	Tasersiaq
IMG 0373	L 120	Point made from white calchedony		07.08.08	Tasersiaq
IMG 0374	L 120	Point made from white calchedony		07.08.08	Tasersiaq
IMG 0375	L 120	Point made from white calchedony		07.08.08	Tasersiaq E
IMG 0376	L 120A	Point made from white calchedony		07.08.08	Tasersiaq E
IMG 0377	L 120A	Arrowhead made from calchedony		07.08.08	Tasersiaq E
IMG 0378	L 120A	Arrowhead made from calchedony		07.08.08	Tasersiaq E
IMG 0379	L 120B	Collection of boiling stones	S	07.08.08	Tasersiaq E

IMG 0380	L 120B	Collection of boiling stones	N	07.08.08	Tasersiaq E
IMG 0381	L 121	Tent house	S	07.08.08	Tasersiaq E
IMG 0382	L 121	Tent house	N	07.08.08	Tasersiaq E
IMG 0383	L 121	Tent house	W	07.08.08	Tasersiaq E
IMG 0384		Young hares	S	07.08.08	Tasersiaq E
IMG 0385		Young hares	S	07.08.08	Tasersiaq E
IMG 0386		Young hare	S	07.08.08	Tasersiaq E
IMG 0387	L 162	Cairn	W	08.08.08	Tasersiaq E
IMG 0388	L 162F	Tent house	W	08.08.08	Tasersiaq E
IMG 0389	L 162F	Tent house	E	08.08.08	Tasersiaq E
IMG 0390	L 162G	Tent house	W	08.08.08	Tasersiaq E
IMG 0391	L 162G	Tent house	S	08.08.08	Tasersiaq E
IMG 0392	L 162E	Tent house	W	08.08.08	Tasersiaq E
IMG 0393	L 162E	Tent house	E	08.08.08	Tasersiaq E
IMG 0394	L 162D	Tent house	E	08.08.08	Tasersiaq E
IMG 0395	L 162D	Tent house	W	08.08.08	Tasersiaq E
IMG 0396	L 162C	Tent house	E	08.08.08	Tasersiaq E
IMG 0397	L 162C	Tent house	W	08.08.08	Tasersiaq E
IMG 0398	L 162B	Tent house	SE	08.08.08	Tasersiaq E
IMG 0399	L 162B	Tent house	NE	08.08.08	Tasersiaq E
IMG 0400	L 162A	Tent house	SE	08.08.08	Tasersiaq E
IMG 0401	L 162	Cairn by lake shore	N	08.08.08	Tasersiaq E
IMG 0402	L 162	Upper part of settlement	E	08.08.08	Tasersiaq E
IMG 0403	L 162	Lower part of settlement	E	08.08.08	Tasersiaq E
IMG 0404		Muskoxen trying to cross Tasersiaq	NW	09.08.08	Tasersiaq E
IMG 0405		Muskoxen trying to cross Tasersiaq	NW	09.08.08	Tasersiaq E
IMG 0406		Muskoxen trying to cross Tasersiaq	NW	09.08.08	Tasersiaq E
IMG 0407		Muskoxen trying to cross Tasersiaq	NW	09.08.08	Tasersiaq E
IMG 0408	L 162K 1	Meat cache	N	09.08.08	Tasersiaq E
IMG 0409	L 162K2	Meat cache	NW	09.08.08	Tasersiaq E
IMG 0410	L 162	Depression in bedrock	NW	09.08.08	Tasersiaq E
IMG 0411		People from Asiaq in their zodiac	NW	10.08.08	Tasersiaq E
IMG 0412	L164 A	Tent ring from the Saqqaq Culture	N	10.08.08	Tasersiaq E
IMG 0413	L164 A	Tent ring from the Saqqaq Culture	E	10.08.08	Tasersiaq E
IMG 0414	L164 B	Tent ring from the Saqqaq Culture	N	10.08.08	Tasersiaq E
IMG 0415	L164 B	Tent ring from the Saqqaq Culture	E	10.08.08	Tasersiaq E
IMG 0416	L164 C	Tent ring from the Saqqaq Culture	NE	10.08.08	Tasersiaq E
IMG 0417	L164 D	Tent ring from the Saqqaq Culture	N	10.08.08	Tasersiaq E
IMG 0418	L164 D	Tent ring from the Saqqaq Culture	E	10.08.08	Tasersiaq E
IMG 0419	L164 E	Tent ring from the Saqqaq Culture	N	10.08.08	Tasersiaq E
IMG 0420	L164 E	Tent ring from the Saqqaq Culture	E	10.08.08	Tasersiaq E
IMG 0421	L 164X1	Knife made from rock crystal		10.08.08	Tasersiaq E
IMG 0422	L 164X1	Knife made from rock crystal		10.08.08	Tasersiaq E
IMG 0423	L 164X2	Core from quartz		10.08.08	Tasersiaq E
IMG 0424	L 165	Cairn system + Fuuja & MikkelSW		10.08.08	Tasersiaq E
IMG 0425	L 165	Cairn system + Mikkel	NE	10.08.08	Tasersiaq E
IMG 0426		Cairn by lake shore near L 165	W	10.08.08	Tasersiaq E
IMG 0427		Landscape East of L 165	W	10.08.08	Tasersiaq E
IMG 0428		Landscape East of L 165	W	10.08.08	Tasersiaq E
IMG 0429		Landscape East of L 165	W	10.08.08	Tasersiaq E
IMG 0430		Landscape East of L 165	W	10.08.08	Tasersiaq E
IMG 0431		Lake shore, southern part of Qeqertaasaq		10.08.08	Tasersiaq E
IMG 0432		Lake shore, southern part of QeqertaasaqS		10.08.08	Tasersiaq E
IMG 0433					

IMG 0434	L 563	The large split boulder	SW	12.08.08	Qoornoq Kangilleq
IMG 0435	L 5639	Observation post	W	12.08.08	Qoornoq Kaniglleq
IMG 0436	L 167A	Cache + Mikkel & Fuuja	S	12.08.08	Qoornoq Kaniglleq
IMG 0437	L 167A	Mikkel sitting inside the cache	S	12.08.08	Qoornoq Kaniglleq
IMG 0438	L 167B	Collapsed fox trap	NW	12.08.08	Qoornoq Kaniglleq
IMG 0439		Mik. & Fuuja in camp W of Napassoq	N	14.08.08	Tasersiaq
IMG 0440	L 151B	Ante chamber	S	14.08.08	Napasoq
IMG 0441	L 151B	Bow inside ante chamber	NW	14.08.08	Napasoq
IMG 0442	L 151B	Bow and arrowheads inside ate chamber	NW	14.08.08	Napasoq
IMG 0443	L 151A	Grave	N	14.08.08	Napasoq
IMG 0444		The boulder named Napasoq	E	14.08.08	Napasoq
IMG 0445		View towards SE	NW	14.08.08	Napasoq
IMG 0446		View towards E	NW	14.08.08	Napasoq
IMG 0447		Mikkel is busy videorecording	SW	14.08.08	Napasoq
IMG 0448		View towards E	NW	14.08.08	Napasoq
IMG 0449	L 124B	Tent house	NW	14.08.08	Napasoq
IMG 0450	L 567	Settlement	SW	14.08.08	Issormiut
IMG 0451	L 567	Crack between two boulders with bones	E	14.08.08	Issormiut
IMG 0452		Crack between two boulders with bones		14.08.08	Issormiut
IMG 0453	L 712	Observation post W of Issormiut	N	15.08.08	Issormiut W
IMG 0454	L 712	Pauline inside the observation struct.	N	15.08.08	Issormiut W
IMG 0455	L 712	Cairn	N	15.08.08	Issormiut W
IMG 0456	L 712	Shooting blind	W	15.08.08	Issormiut W
IMG 0457	L 712	Shooting blind	SW	15.08.08	Issormiut W
IMG 0458	L 712	View from L 712	NW	15.08.08	Issormiut W
IMG 0459	L 712	The structures at L 712	SVW	15.08.08	Issormiut W
IMG 0460	L 712	Outcrop were L712 is situated	E	15.08.08	Issormiut W
IMG 0461		View towards Ujaraannaq from NW	NW	16.08.08	Issormiut W
IMG 0462	L567	Cairn & shooting bl. on outcrop	S	16.08.08	Issormiut SW
IMG 0463	L567	Shooting blind on outcrop	W	16.08.08	Issormiut SW
IMG 0464	L567	Outcrop w. shooting bl. & cairn by	N	16.08.08	Issormiut SW
IMG 0465	L14, 1	Fuuja by tent house	W	19.08.08	Tarsartuup Tasersua N
IMG 0466	L14, 2	Tent house	W	19.08.08	Tarsartuup Tasersua N
IMG 0467	L14, 3 + 8	Tent house and cache	W	19.08.08	Tarsartuup Tasersua N
IMG 0468	L14, 6	Fuuja digging test pit inside struct. No. 6	W	19.08.08	Tarsartuup Tasersua N
IMG 0469	L14, 4	Tent house	N	19.08.08	Tarsartuup Tasersua N
IMG 0470	L14, 5	Hunter's bed	S	19.08.08	Tarsartuup Tasersua N
IMG 0471	L14, 6	Round structure	N	19.08.08	Tarsartuup Tasersua N
IMG 0472		Geodetic marking on bedrock & pole.	W	20.08.08	Tarsartuup Tasersua N
IMG 0473		Geodetic marking on bedrock		20.08.08	Tarsartuup Tasersua N
IMG 0474	L 171A	Hunter's bed on small island	NW	20.08.08	Tarsartuup Tasersua N
IMG 0475	L 171B	Hunter's bed on small island	E	20.08.08	Tarsartuup Tasersua N
IMG 0476	L 171C	Hunter's bed on small island	S	20.08.08	Tarsartuup Tasersua N
IMG 0477	L 171	Boulder surraounded by structures.	S	20.08.08	Tarsartuup Tasersua N
IMG 0478	L 172A	Tent house	N	20.08.08	Tarsartuup Tasersua N
IMG 0479	L 172A+B	Tent houses	NW	20.08.08	Tarsartuup Tasersua N
IMG 0480	L 172B	Tent house	V	20.08.08	Tarsartuup Tasersua N
IMG 0481	L 172C	Cache	S	20.08.08	Tarsartuup Tasersua N
IMG 0482	L 172D	Shooting blind	NW	20.08.08	Tarsartuup Tasersua N
IMG 0483	L 172D2	Shooting blind	NW	20.08.08	Tarsartuup Tasersua N
IMG 0484	L 172	Bedrock with letters and numbers	E	20.08.08	Tarsartuup Tasersua N
IMG 0485	L 172	Bedrock with letters and numbers	E	20.08.08	Tarsartuup Tasersua N
IMG 0486	L 172	Bedrock with letters and numbers	E	20.08.08	Tarsartuup Tasersua N
IMG 0487	L 172	Letters on bedrock	E	20.08.08	Tarsartuup Tasersua N

IMG 0488	L 173A	Hunter's bed		20.08.08	Tarsartuup Tasersua N
IMG 0489	L 173B	Hunter's bed		20.08.08	Tarsartuup Tasersua N
IMG 0490	L 173C	Hunter's bed		20.08.08	Tarsartuup Tasersua N
IMG 0491	L 174A	Stonehut	SE	20.08.08	Tarsartuup Tasersua N
IMG 0492	L 174B	Tent house	SE	20.08.08	Tarsartuup Tasersua N
IMG 0493	L 174C	Tent house	N	20.08.08	Tarsartuup Tasersua N
IMG 0494	L 174D	Tent house	SE	20.08.08	Tarsartuup Tasersua N
IMG 0495	L 174E	Tent house	SE	20.08.08	Tarsartuup Tasersua N
IMG 0496	L 174F	Tent house	SE	20.08.08	Tarsartuup Tasersua N
IMG 0497	L 175	Recent tentring and cairn	S	20.08.08	Name of lake unknown
IMG 0498	L 176	Recent tentring	E	20.08.08	Name of lake unknown
IMG 0499	L 1176	Recent tentring	E	10.08.08	Name of lake unknown
IMG 0500	L 105C	Salix for dendrochronology		10.08.08	Tussaap Tasia
IMG 0501	L 184C	Salix for dendrochronology		10.08.08	Tussaap Tasia
L 1020136	L 155	Tent house	W	03.08.08	Tarsersiap Qalia
L 1020138	L 155	Tent house	E	03.08.08	Tarsersiap Qalia
L 1020205	L 120 A	Axial feature from Saqqaq culture	N	10.08.08	Tasersiaq East
L 1020206	L 120 A	Axial feature from Saqqaq culture	N	10.08.08	Tasersiaq E
L 1020220	L 162	Bedrock with depression and stone	W	07.08.08	Tasersiaq E
L 1020221	L 162	Bedrock with depression and stone	E	07.08.08	Tasersiaq E
L 1020222	L 162	Bedrock with depression and stone	W	07.08.08	Tasersiaq E
L 1020223	L 162	Bedrock with depression and stone	SW	07.08.08	Tasersiaq E
L 1020224	L 162	Whetstone by structures K	S	07.08.08	Tasersiaq E
L 1020238	L 165	System of cairns	N	10.08.08	Tasersiaq E
L 1020239	L 165	System of cairns and landscape	N	10.08.08	Tasersiaq E
L 1020242	L 165	System of cairns	S	10.08.08	Tasersiaq E
L 1020243	L 165	Two cairns from the system +Paaliit	SW	10.08.08	Tasersiaq E
L 1020270	L 166 A	Axial feature	S	11.08.08	Tasersiaq E
L 1020271	L 166 A	Axial feature	S	11.08.08	Tasersiaq E
L 1020272	L 166 A	Axial feature	S	11.08.08	Tasersiaq E
L 1020274	L 166 B	Axial feature	S	11.08.08	Tasersiaq E
L 1020275	L 166 B	Axial feature	S	11.08.08	Tasersiaq E
L 1020276	L 166 B	Axial feature	S	11.08.08	Tasersiaq E
L 1020277	L 166 A	Axial feature + Mikkel & Paaliit	N	11.08.08	Tasersiaq E
L 1020330	L 151 B	Arrowheads		14.08.08	Napasoq
L 1020331	L 151 B	Arrowheads		14.08.08	Napasoq
L 1020332	L 151 B	Arrowheads		14.08.08	Napasoq
L 1020333	L 151 B	Arrowheads		14.08.08	Napasoq
L 1020334	L 151A+B	Mikkel by grave and Paaliit by ante chamber		14.08.08	Napasoq
L 1020335		The boulder "Napasoq"	W	14.08.08	Napasoq
L 1020336		The boulder "Napasoq"	W	14.08.08	Napasoq
L 1020340	L 124 B	Tent house by "Napasoq"	N	14.08.08	Napasoq
L 1020341	L 124 B	Tent house by "Napasoq"	S	14.08.08	Napasoq
L 1020342	L 124 B	Tent house by "Napasoq"	S	14.08.08	Napasoq
L 1020364	L 168	2 tent houses and 3 humter's beds	W	15.08.08	Issormiut
L 1020365	L 169	Hunter's bed	W	15.08.08	Issormiut
L 1020396	L 170	Hunter's bed	NW	20.08.08	Tarsartuup Tasersua N
L 1020405	L 105 J	Grave in tenthouse	SE	22.08.08	Tussaap Tasia W
L 1020410	L 105 P	Playhouse?	NW	22.08.08	Tussaap Tasia W
L 1020411	L 105 Q	Playhouse?	NW	22.08.08	Tussaap Tasia W

Results of Radiocarbon datings

KIA37451 L 120 X 3

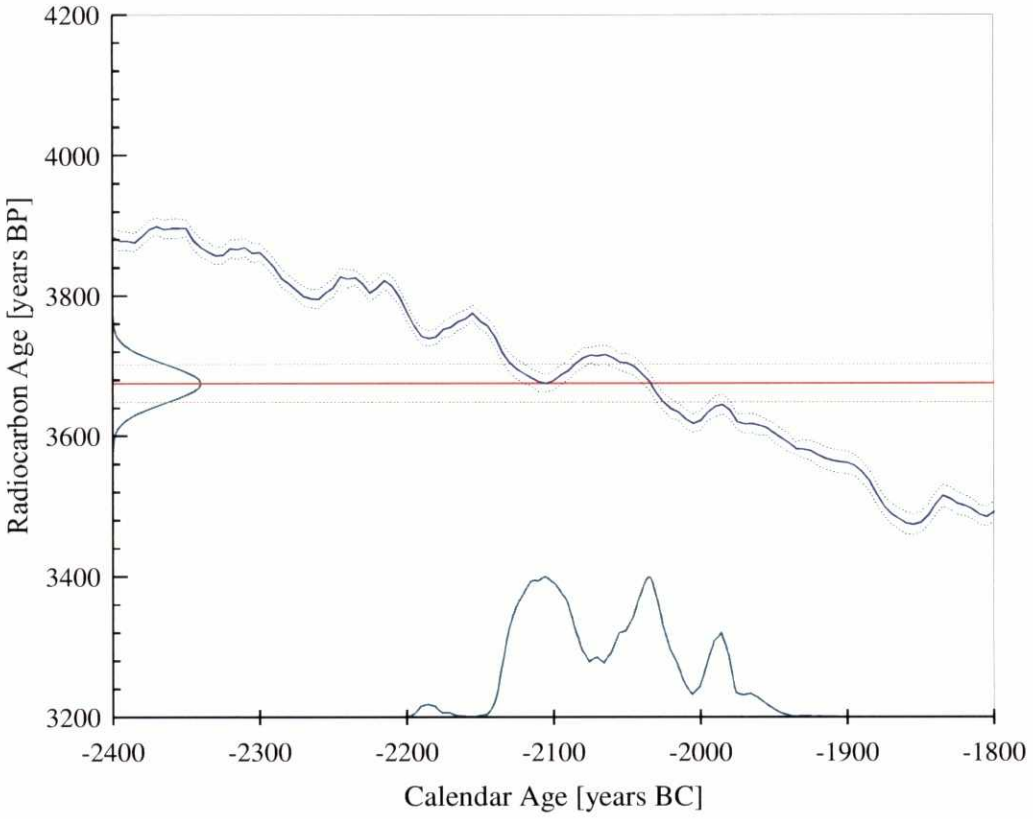
charcoals, Tasrsiaq East, sample depth: on surface

Fraction	Corrected pMC†	Conventional Age	$\delta^{13}C$(‰)‡
charcoal, alkali residue, 4.6 mg C	63.29 ± 0.21	3675 ± 25 BP	-26.62 ± 0.22

Radiocarbon Age: BP 3675 ± 27

One Sigma Range: cal BC 2132 - 2083 (Probability 39.6 %)
(Probability 68,3 %) 2058 - 2023 (Probability 25.3 %)
1990 - 1984 (Probability 3.4 %)

Two Sigma Range: cal BC 2139 - 1972 (Probability 94.4 %)
(Probability 95,4 %) 1969 - 1965 (Probability 1.0 %)



References for calibration:

The calibrated age is according to "CALIB rev 5.01"
Data set : IntCal04, Reimer et al., Radiocarbon 46:1029-1058.,

† "Corrected pMC" indicates the percent of modern (1950) carbon corrected for fractionation using the ^{13}C measurement.

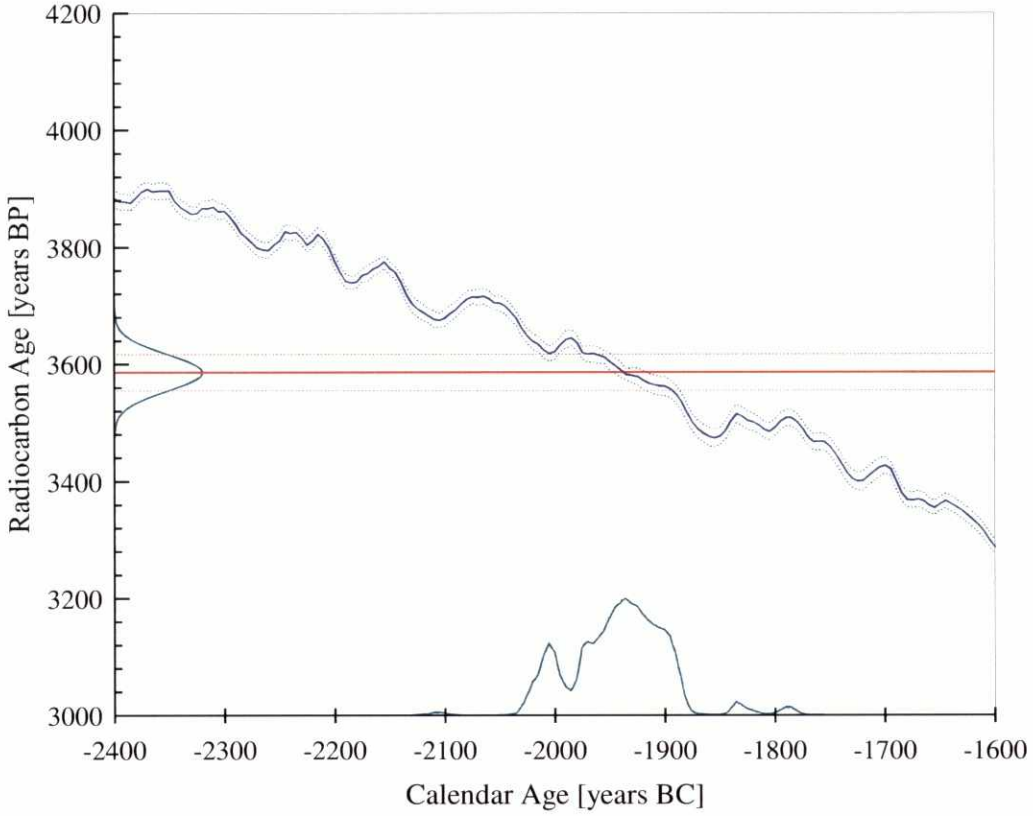
‡ Please note that the $\delta\ ^{13}C$ includes the fractionation occurring in the sample preparation as well as in the AMS measurement and therefore cannot be compared to a mass-spectrometer measurement.

KIA37454 L 161 X 1

charcoal, Tasersiaq East, sample depth: above surface

Fraction	Corrected pMC†	Conventional Age	$\delta^{13}C$(‰)‡
charcoal, alkali residue, 4.7 mg C	63.99 ± 0.25	3585 ± 30 BP	-27.54 ± 0.21

Radiocarbon Age: BP 3586 ± 31
One Sigma Range: cal BC 1973 - 1894 (Probability 68.3 %)
Two Sigma Range: cal BC 2030 - 1880 (Probability 94.4 %)
(Probability 95,4 %) 1838 - 1831 (Probability 1.0 %)



References for calibration:
The calibrated age is according to "CALIB rev 5.01"
Data set : IntCal04, Reimer et al., Radiocarbon 46:1029-1058.,

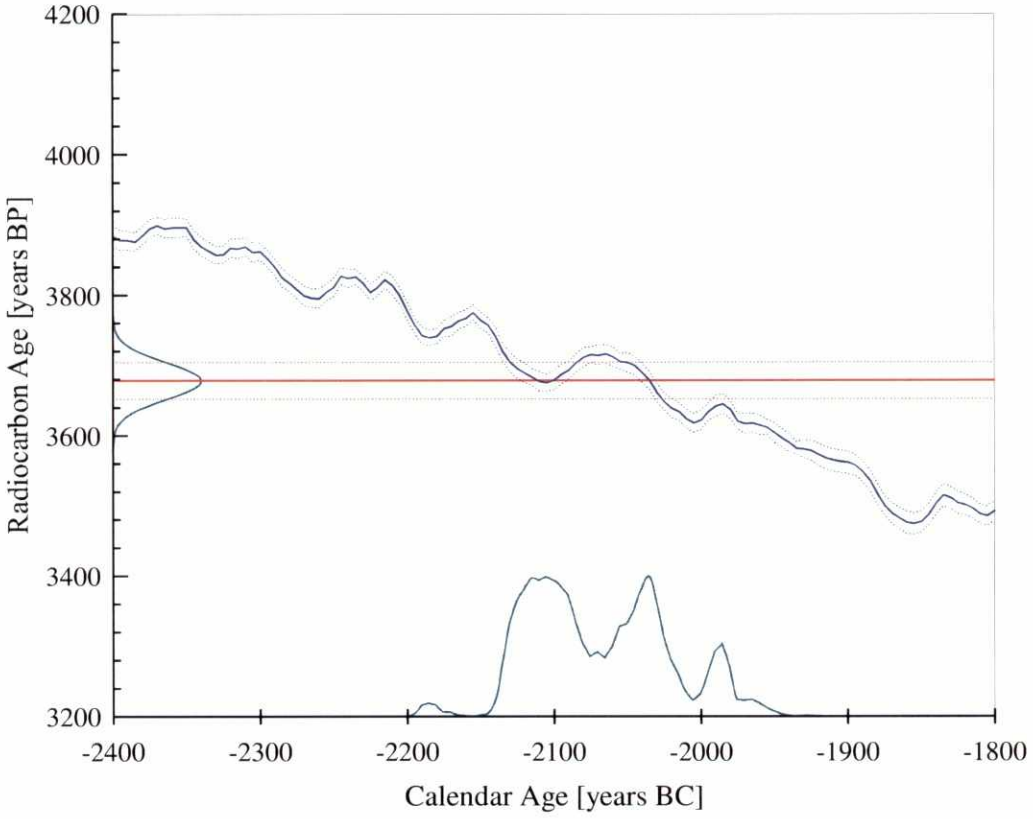
† "Corrected pMC" indicates the percent of modern (1950) carbon corrected for fractionation using the ^{13}C measurement.
‡ Please note that the $\delta\ ^{13}C$ includes the fractionation occurring in the sample preparation as well as in the AMS measurement and therefore cannot be compared to a mass-spectrometer measurement.

KIA37456 L 163 X 3

charcoals from willows (probably salix), Tasersiaq East, sample depth: collected in layer II

Fraction	Corrected pMC†	Conventional Age	$\delta^{13}C$(‰)‡
charcoal, alkali residue, 4.8 mg C	63.26 ± 0.20	3680 ± 25 BP	-25.81 ± 0.22

Radiocarbon Age: BP 3678 ± 26
One Sigma Range: cal BC 2133 - 2082 (Probability 43.0 %)
(Probability 68,3 %) 2059 - 2025 (Probability 25.3 %)
Two Sigma Range: cal BC 2140 - 1975 (Probability 95.4 %)



References for calibration:
The calibrated age is according to "CALIB rev 5.01"
Data set : IntCal04, Reimer et al., Radiocarbon 46:1029-1058.,

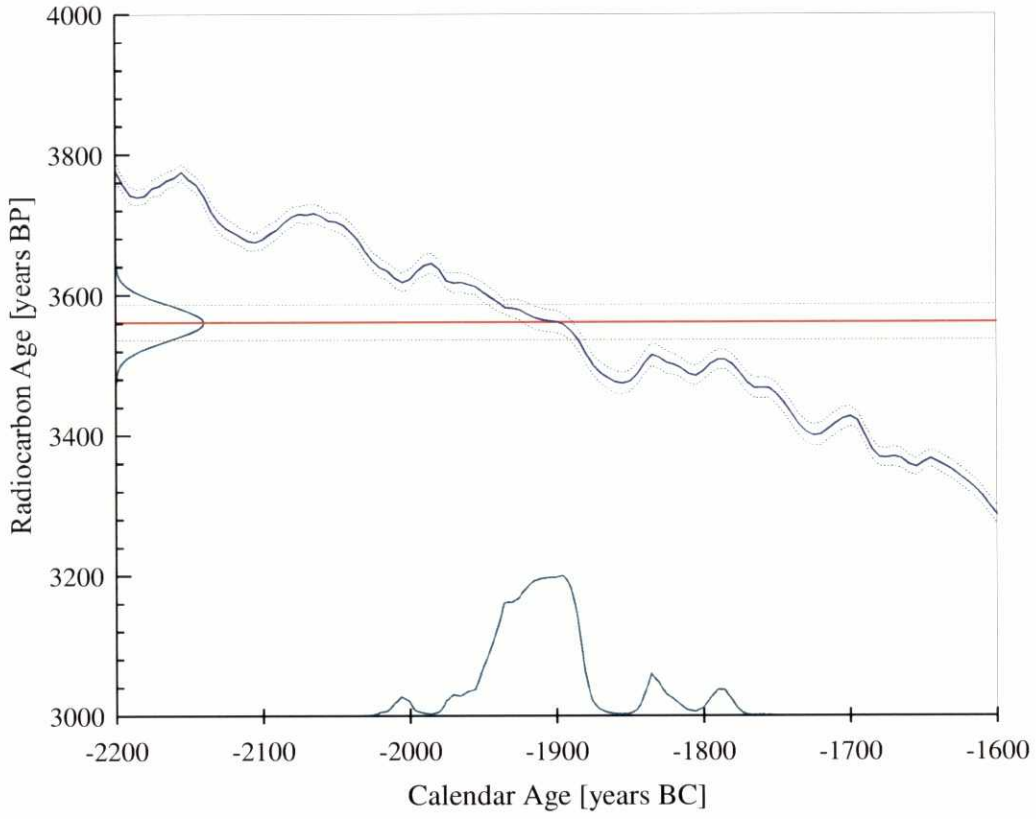
† "Corrected pMC" indicates the percent of modern (1950) carbon corrected for fractionation using the ^{13}C measurement.
‡ Please note that the $\delta\ ^{13}C$ includes the fractionation occurring in the sample preparation as well as in the AMS measurement and therefore cannot be compared to a mass-spectrometer measurement.

KIA37457 L 164 X 4

charcoals from willows (probably salix), just emerged from fresh water lake some days before, when the water receded, Tasersiaq East, sample depth: on surface

Fraction	Corrected pMC†	Conventional Age	$\delta^{13}C$(‰)‡
charcoal, alkali residue, 5.2 mg C	64.19 ± 0.20	3560 ± 25 BP	-25.79 ± 0.25

Radiocarbon Age: BP 3561 ± 25
One Sigma Range: cal BC 1942 - 1885 (Probability 68.3 %)
Two Sigma Range: cal BC 2012 - 2000 (Probability 1.9 %)
(Probability 95,4 %) 1977 - 1874 (Probability 83.0 %)
1844 - 1816 (Probability 6.7 %)
1799 - 1779 (Probability 3.8 %)



References for calibration:
The calibrated age is according to "CALIB rev 5.01"
Data set : IntCal04, Reimer et al., Radiocarbon 46:1029-1058.,

† "Corrected pMC" indicates the percent of modern (1950) carbon corrected for fractionation using the ^{13}C measurement.

‡ Please note that the $\delta^{13}C$ includes the fractionation occurring in the sample preparation as well as in the AMS measurement and therefore cannot be compared to a mass-spectrometer measurement.

KIA37461 L 563 X 5

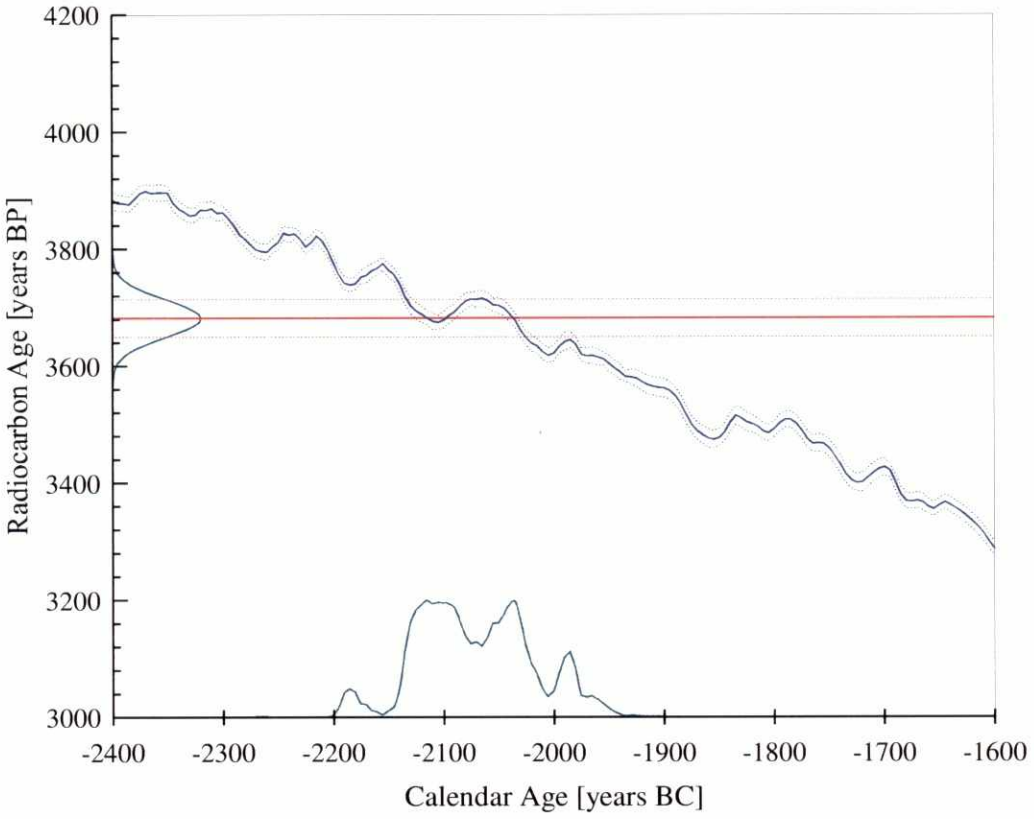
charcoal, Qoornoq Kangilleq, sample depth: on surface below stones which the feature 17 is build from

Fraction	Corrected pMC†	Conventional Age	$\delta^{13}C$(‰)‡
charcoal, alkali residue, 4.8 mg C	63.23 ± 0.25	3680 ± 30 BP	-27.48 ± 0.20

Radiocarbon Age: BP 3682 ± 32

One Sigma Range: cal BC 2134 - 2077 (Probability 41.7 %)
(Probability 68,3 %) 2073 - 2070 (Probability 1.4 %)
2064 - 2027 (Probability 25.3 %)

Two Sigma Range: cal BC 2193 - 2178 (Probability 2.9 %)
(Probability 95,4 %) 2143 - 1963 (Probability 92.5 %)



References for calibration:

The calibrated age is according to "CALIB rev 5.01"
Data set : IntCal04, Reimer et al., Radiocarbon 46:1029-1058.,

† "Corrected pMC" indicates the percent of modern (1950) carbon corrected for fractionation using the ^{13}C measurement.

‡ Please note that the $\delta^{13}C$ includes the fractionation occurring in the sample preparation as well as in the AMS measurement and therefore cannot be compared to a mass-spectrometer measurement.