

Report:
Archaeological investigations at Hjellvika, 1998,
Sundet gbnr. 71/2 and 71/3,
Ulstein K., Møre og Romsdal



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Innberetning: Archaeological investigations at Hjellvika, Sundet gnr/bnr 71/2 and 71/3, Ulstein K., Møre og Romsdal.

Introduction

Background

Statens Vegvesen's *Eiksundsambandet* is a road, bridge and undersea tunnel project that will provide outer Sunnmøre with a ferie-free road link to the mainland. In relation to this development Møre og Romsdal fylkeskommune undertook an archaeological survey at Hjellvika, on the farm Sundet, island of Eika, Ulstein k., Møre og Romsdal (Gellein og Kleiva 1997, see also Gjerland 1985). In the course of that survey ten archaeological localities were identified. Of these, six were in conflict with the development plans.

In letters to the Archeological Institutt, Bergen Musuem/University of Bergen, dated 24/9-97 and 19/2-98, Møre og Romsdal fylkeskommune advised dispensation from the Law of Antiquities for the six localities that were found to be in conflict with Statens Vegvesen's plans for development. Dispensation was granted on the condition that archaeological investigations of the localities be undertaken, where these investigations were to be financed by the developer.

The investigations were undertaken between 24/8-98 and 18/9-98, with the participation of David N. Simpson, Asle Bruen Olsen, Tor Arne Waraas, Hege Alisøy and Terje Østegård.

Goals

The six localities to be investigated included Hjellvika Loc. 1, 2, 5, 7, 8 and 10 (figs 1, 2 and 3)¹. The principle object of the investigation was Loc. 1, a Stone Age locality. Here the intention was to excavate a representative portion of the locality with the aim of dating it and, as far as possible, to collect data that might be used to determine the range of activities that took place on it. The investigations of the remaining localities were considered to be of secondary priority and were to be carried out only insofar as possible within the framework of the investigation of Loc. 1. Loc. 2 and Loc. 5 were interpreted as charcoal mills (*kullmille*) by the survey teams. Having been previously radiocarbon dated (Loc. 2: 530+/-40 BP T-13165, Loc. 5: 310 +/-50 BP T-13166)² the goal of this investigation was to secure information regarding their size and construction.

¹ With regard to figure 3, it has been reported by Statens Vegvesen that the elevation contours on the base map used to prepare this figure are in error. Specifically, they note that the elevations in the flat "lagoon area" are in fact 1 meter higher than reported on the map. Based on measurements we undertook in the field it has been confirmed that this error also affects Loc. 1. It is uncertain if this error affects other areas as well. It should be observed that several additional maps included in this report also stem from the same base map. Where this is the case the error will be noted in the text of the relevant figures.

² All dates are reported as uncalibrated radio-carbon years BP (before present, where *present* is taken to be 1950). Results calibrated to calendar years are presented in Appendix 1, page 51.

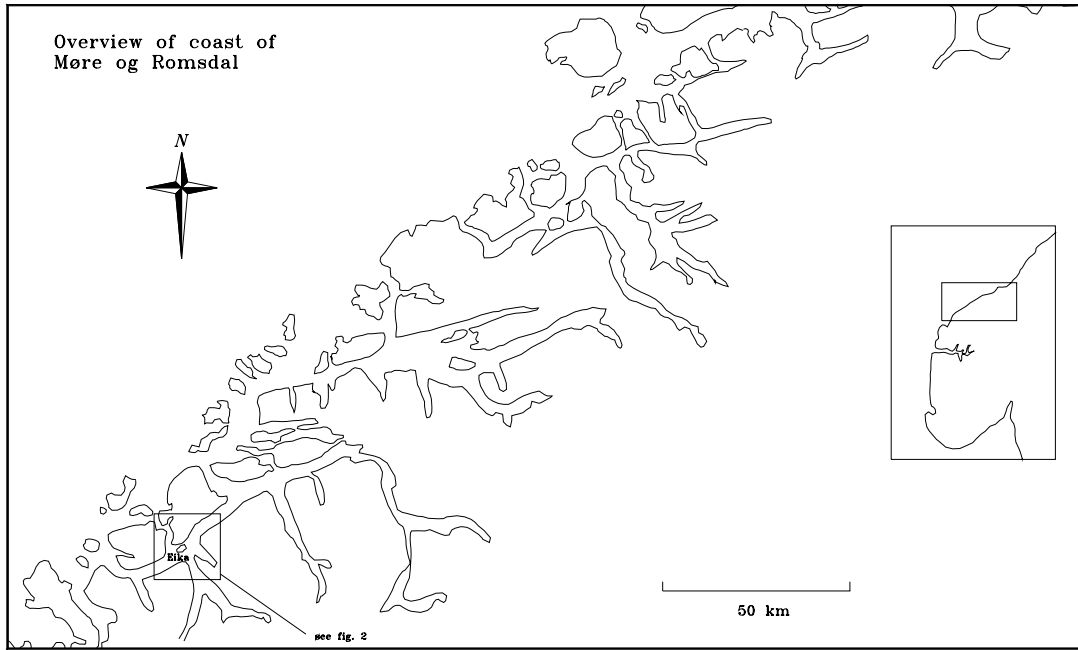


Figure 1, Overview of coast of Møre og Romsdal showing location of Eika.

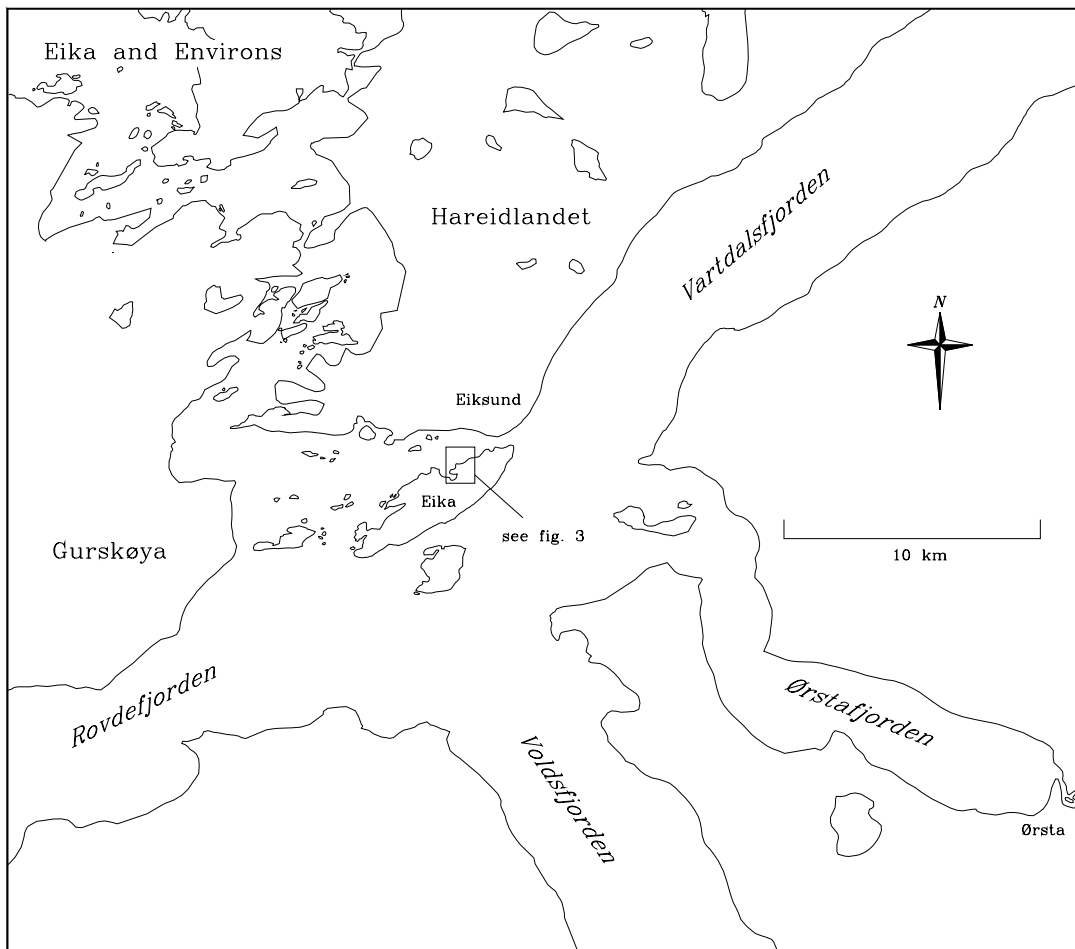
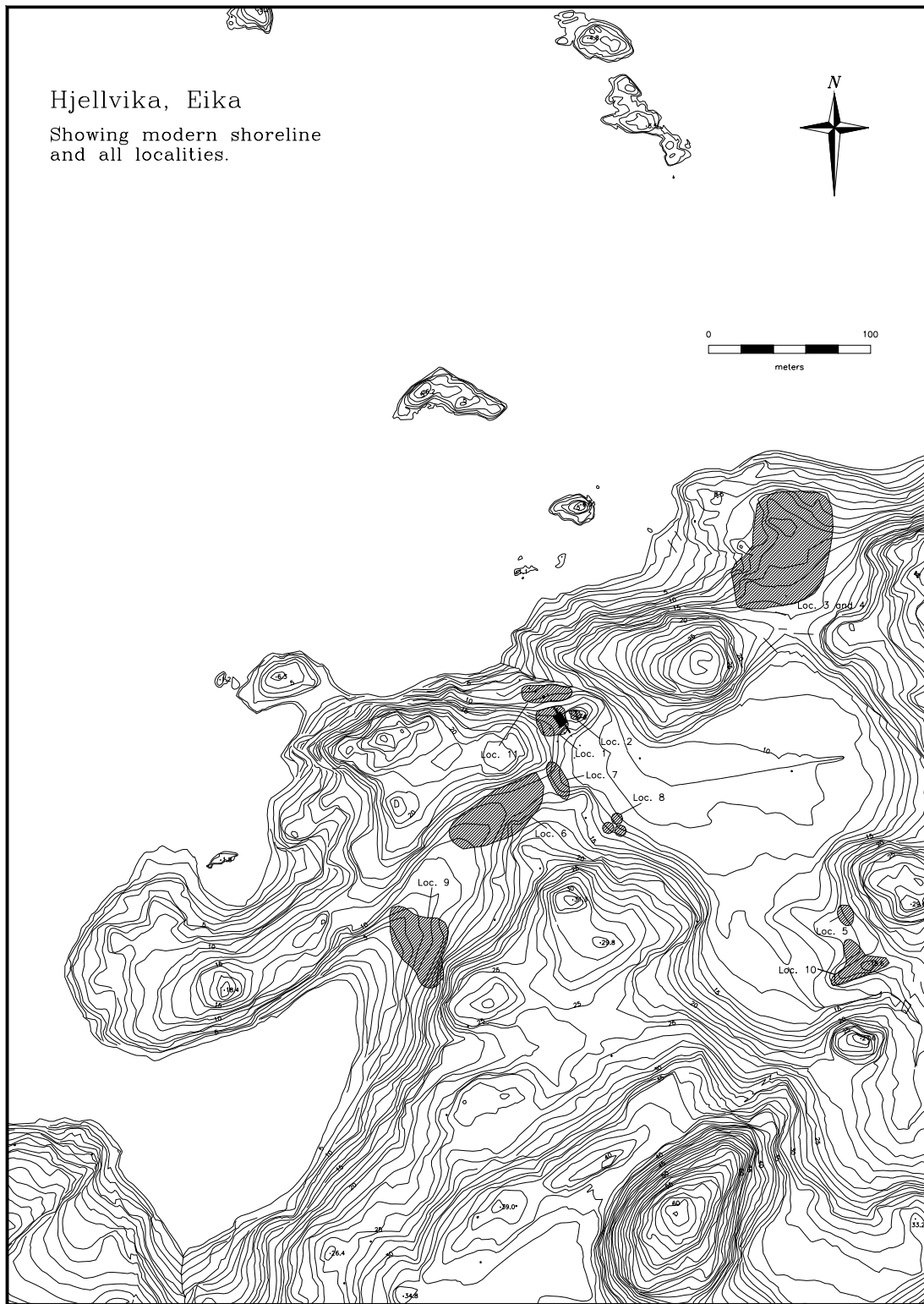


Figure 2, Eika and Environs, showing location of study area.



*Figure 3, Hjellvika, Eika showing modern shoreline and all localities..
Note that some elevations are incorrect (see footnote 1, page 1).*

Loc. 7 and Loc. 8 were represented by of a set of charcoal layers. In the absence of radiocarbon dates and artefacts the intent of the investigations here was to attempt to characterize the localities in terms of their ages and the activities they represent.

Loc. 10 was identified on the basis of the recovery of a piece of water rolled flint from a test unit on a rock outcrop as well as the presence of charcoal in test units in the boggy area surrounding the rock outcrop. The aims of this investigation were to attempt localize the principle activity area(s) of the locality and if possible to date the locality either through the recovery of chronologically diagnostic elements and/or by radio-carbon dating. It should be noted that in the course of these investigations on Eika an additional Stone Age locality was discovered, Loc. 11. Here it was deemed important to secure a minimum of information regarding the size and age of the locality.

Topographic Setting: Sea level curves and lagoon

The localities on Eika represent an interesting and varied set of data. It is considered of value to address them first against the background of the local topography and changes in sea level through time. In the case of Hjellvika, of particular interest is the existence of a bog which in prehistoric times would have been a lagoon. This lagoon is in fact understood to have cycled through stages of being filled with first with salt water, then with fresh water followed by the development of terrestrial bog. Furthermore, it would actually have gone through this cycle twice. Thus, depending upon which stage of its development one refers to, it would have provided; extremely good harbour conditions, the rich constallation of resources one would associate with a marine lagoon, a similarly rich but distinct set of resources related to a freshwater lagoon or a set of resources one would expect to find in a wetland/bog environment. Each of these constitutes an attractive resource base and are seen as having played important roles in the localization of several of the localities on Eika.

These cyclical changes in the character of the lagoon/bog are a direct result of sea level fluctuations and will be addressed in more detail below. Sea level fluctuations are also seen to have an impact on the localization of Stone Age activities. It is observed that the majority of Stone Age localities in western Norway were originally shore bound, that is, at the time of occupation they were situated at or very near the shoreline. However, the sea level has fluctuated significantly since the end of the last ice age, ranging both above and in some areas below the present shoreline³. Thus, localities that were once shore bound may today lie far inland or might even be situated below the current sea level. In contrast to this, localities from the end of the Stone Age and younger tend to be spread across the landscape and exhibit no such pattern of being selectively localised at the shoreline.

With regard to the interpretation of Stone Age localities, forehand knowledge of the post glacial sea level fluctuations can be of assistance in several regards. On the one

³ The cause of such fluctuations is a combination of eustatic sea level rise and isostatic rebound. Eustatic sea level rise is an absolute change in sea level resulting from an increase in the volume of water in an ocean due to melting of glacial ice. Isostatic rebound is a vertical movement of the earth's crust which results from the melting of glacial ice. In other words, during the glaciation the earth's crust was laden with so much ice that it was depressed, and upon melting of the ice and the release of the weight of the ice on the crust, the crust was lifted upwards. Such uplift might then reach a peak and then be deflected downwards again, with the crust oscillating for a time before it stabilizes. The combination of this absolute rise in the level of the ocean and the up and down rebounding of the earth's crust sometimes results in quite complex fluctuations in the relative sea level.

hand such information can aid in the reconstruction of prehistoric landscapes at given periods and can thereby provide clues as to why prehistoric people visited or settled a given place in a given period. Alternatively, knowledge of sea level fluctuations can also be used as a guide to aid in dating localities which we have not otherwise been able to place chronologically. Fortunately research conducted by John Inge Svendsen and Jan Mangerud (1987) makes it possible to reconstruct an approximation of the post glacial sea level fluctuations at Eika (fig. 4).

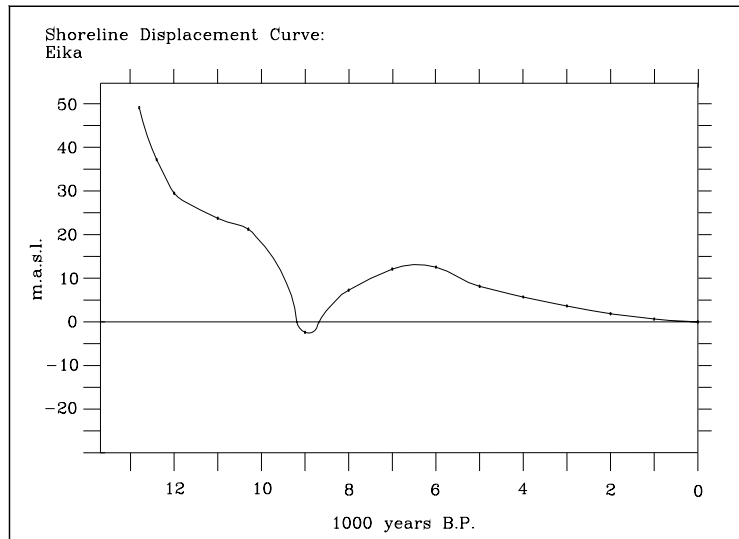
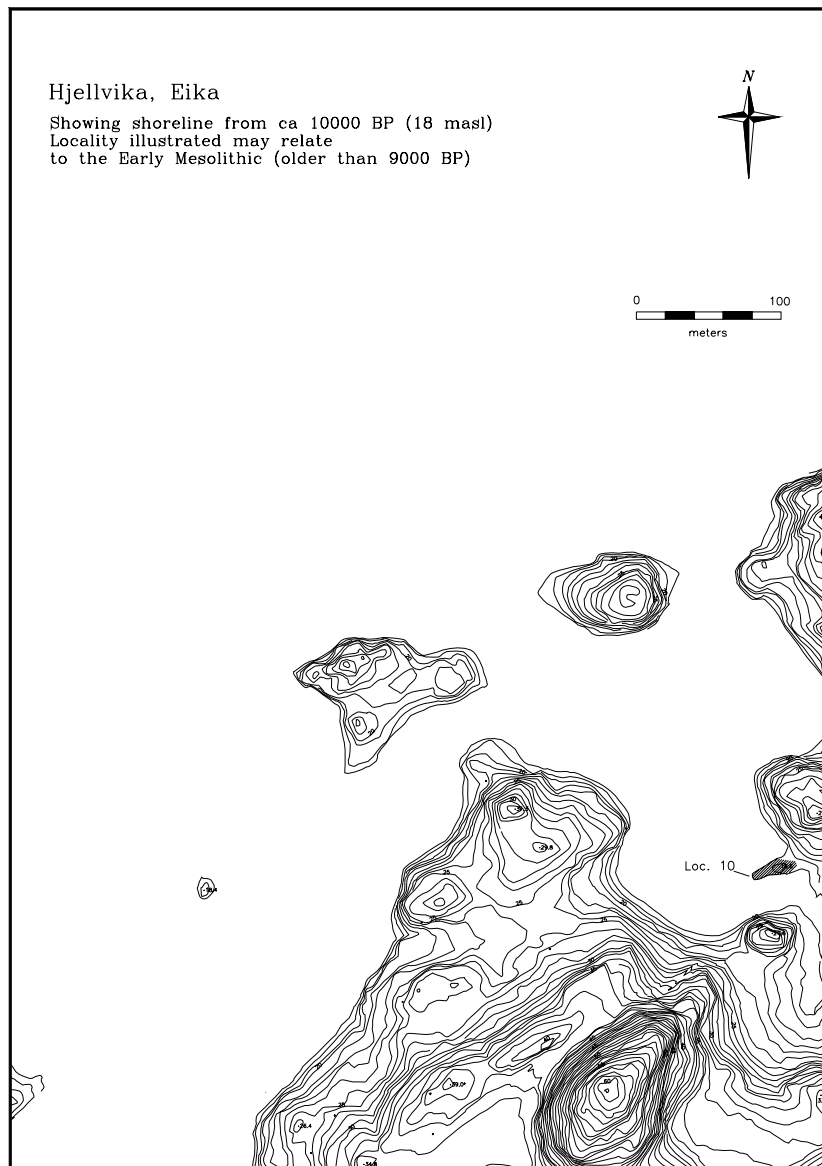


Figure 4, Shoreline displacement curve, Eika (constructed on the basis of data presented in Svendsen and Mangerud 1987).

Considering that the threshold of the prehistoric lagoon at Hjellvika lies at ca 10 m above the present sea level, inspection of the sea level curve indicates that from deglaciation to ca 9800 BP the lagoon would have been filled with sea water. At this point, as the sea level dropped below the threshold, the lagoon would have been flushed with fresh water and may actually have begun to "dry out" and fill with terrestrial bog. However, after the sea level began to rise again the lagoon would have been flooded with sea water at some time around 7500 years BP. After this the sea level drops again and with this final recession the shoreline would have dropped past the lagoon threshold a second time at ca 5500 BP. At that point the lagoon would again have been flushed with fresh water and bog growth would have commenced, ultimately resulting in the bog filled basin that is evident today. As an aid to visualising the effect these changes would have had on the landscape a set of maps have been prepared showing the shoreline at four different points in time⁴.

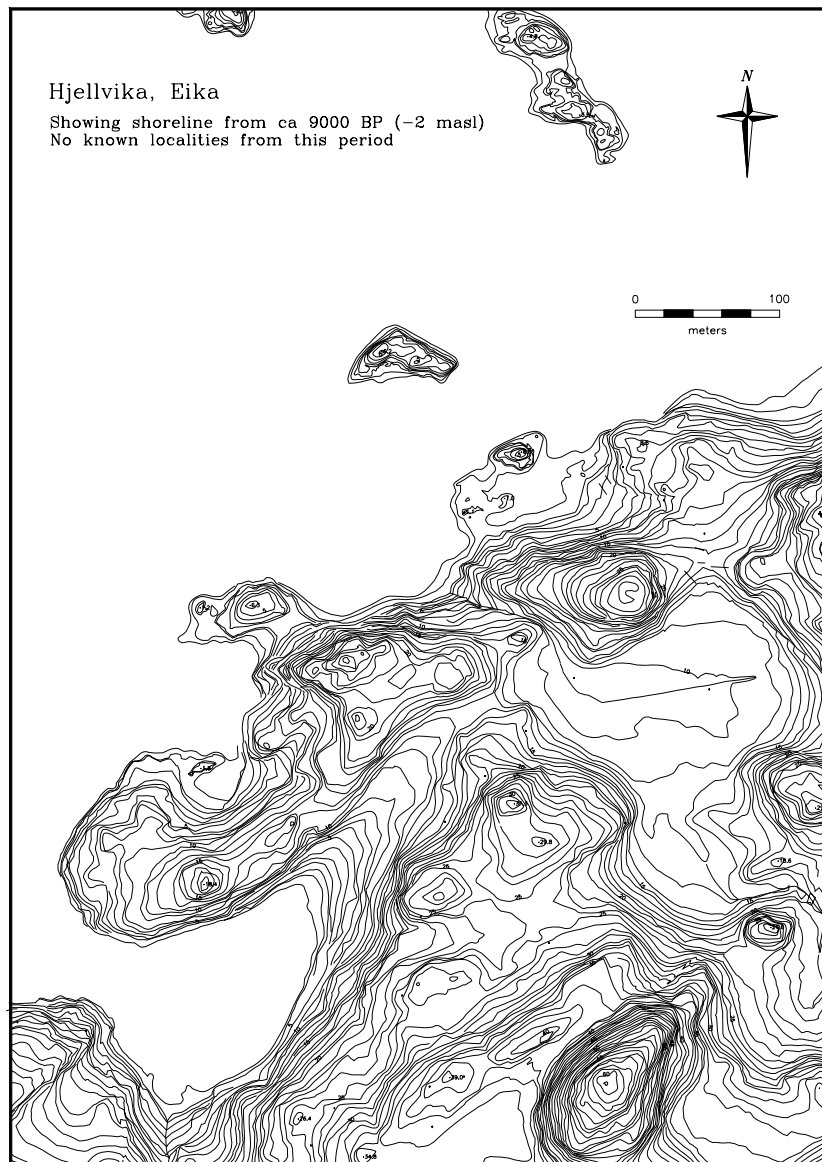
⁴ Note that the shoreline maps and the displacement curve on which they are based are approximations. Beyond this, since the data on which this curve is based was published, errors in the data have been identified. Of relevance here is that for area Ålesund region the maximum level of the resurgence between 6000 and 7000 years ago (Tapes transgression) should be adjusted downwards by ca 2 meters (Svendsen pers.com.). It is uncertain if or to what degree this error affects the Eika curves. To compound the situation further, these shoreline maps stem from a base map containing contour elevation errors (refer to footnote 1, page 1). As such, the timing of the developmental sequence of the lagoon as described here are subject to change on the introduction of new data.



*Figure 5, Hjellvika, Eika, showing shoreline from 10000 BP.
 Note that some elevations are incorrect (see footnote 1, page 1).*

10,000 BP - Salt water lagoon - shore line receding

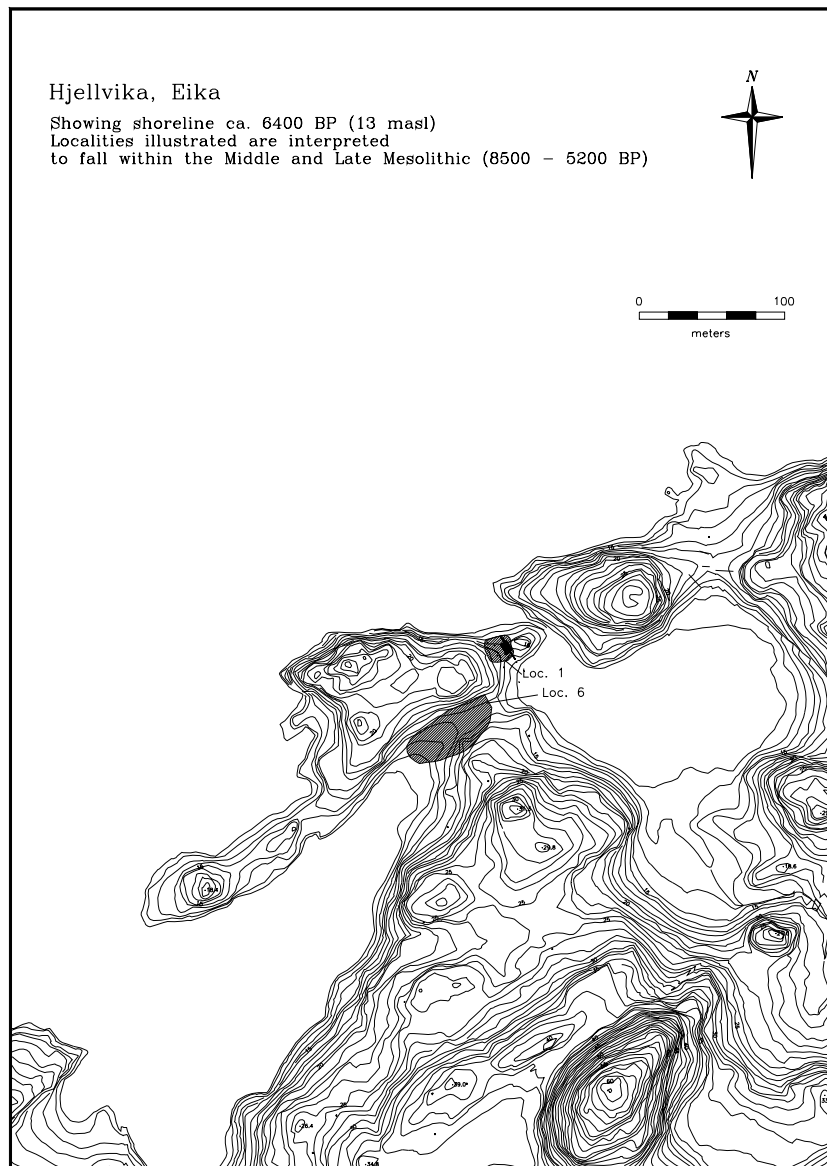
Figure 5 represents the situation some 10,000 years ago, when the shoreline would have been ca 18 meters above its present level. Here also Loc. 10 has been plotted. While it was not possible to date Loc. 10 on the basis of archaeological data, if one takes into account sea level fluctuations it is possible to argue either: 1) assuming that it was a shore bound locality it likely dates to the Early Mesolithic, or 2) if it was not a shore bound locality it likely dates to the end of the Stone Age or later.



*Figure 6, Hjellvika, Eika, showing shoreline from 9000 BP.
 Note that some elevations are incorrect (see footnote 1, page 1).*

9000 BP - Fresh water lagoon (terrestrial bog?) - shore line minimum

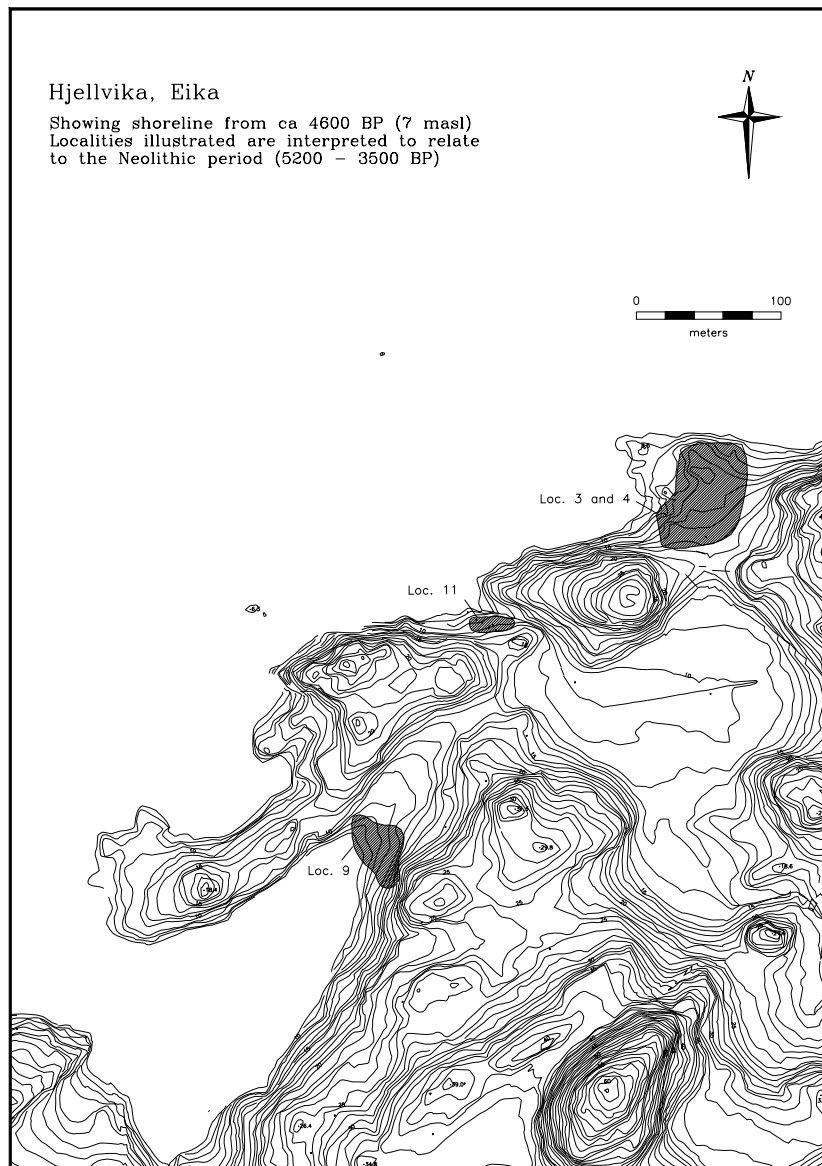
As the sea level sank past the lagoon threshold the lagoon would have been flushed with fresh water and the formation of a terrestrial bog would have commenced. The sea level would have reached a minimum ca 2 meters below the present level at 9000 BP (fig. 6). No localities are known from this period, although if they exist they would likely be flooded or be situated in the current active beach zone.



*Figure 7, Hjellvika, Eika, showing shoreline from 6400 BP.
 Note that some elevations are incorrect (see footnote 1, page 1).*

6400 BP - Salt water lagoon - Tapes transgression maximum

The sea level then rose again to a maximum of ca 11 meters by 6400 years ago (Tapes transgression maximum). This resurgence resulted in the lagoon being once again flooded with sea water as illustrated in figure 7. Two Stone Age localities are also shown on this figure. Loc. 1 is known to date roughly to this period (see discussion of Loc. 1 below) and is evident in the figure it would have had easy access to both the ocean and the lagoon. The age of Loc. 6 is has not yet been determined on the basis of archaeological data, although based on the sea level data it likely dates to approximately this period, between 6000 and 7000 years before present (assuming it was shore bound) or to the end of the Stone Age, ca 3500 years ago, or later (if it was not shore bound).



*Figure 8, Hjellvika, Eika, showing shoreline from 4600 BP.
 Note that some elevations are incorrect (see footnote 1, page 1).*

It is of interest to note the placement of Loc. 1 and Loc. 6 in terms of the local topography. Each is situated in a "saddle" between rock outcrops with easy access to water in two directions. A similar saddle is evident along the north shore of the lagoon. While this saddle was not tested archaeologically it is considered here highly likely that there exists an additional Mesolithic locality here. Beyond this, the tongue of land extending to the south west of Loc. 6 is a very likely candidate for various types of human activity in the Late Mesolithic.

4600 BP - Fresh water lagoon (terrestrial bog?) - sea level receding

Figure 8 illustrates the situation at ca 4600 years ago, a point in time after the sea level had regressed past the lagoon threshold for a second time. Here the lagoon is no

longer filled with sea water. It has at least been flushed with fresh water, and the development of a terrestrial bog has no doubt commenced, although it is uncertain precisely when the standing water of the freshwater lagoon was replaced by the bog that exists today. Four localities are presented in figure 7, Loc. 11 which is known to date to roughly this period, as well as Loc. 3, 4 and 9, the ages of which have not been determined on the basis of archaeological data⁵. However, again assuming that they were shorebound, they likely date to approximately this period (or if not shore bound they can be expected to date to the end of the Stone Age or later).

⁵ One charcoal sample from Loc. 3 has been radiocarbon dated, yielding an age of 2415±55 BP (T-13168), that is to say, after the end of the Stone Age. However, this sample was taken from a charcoal layer outside the area where stone artefacts were found (Gellein and Kleiva 1997:11), and the date likely relates to the re-use of the area in a later period.

Hjellvika Loc. 1 (B15677)

Previous Investigations

The locality was first described by Gjerland (1985). It was defined on the basis of one negative and three positive test pits. Recoveries are summarized in table 1 below:

Test Pit #	Artefact type	Flint	Quarts/itt	Sandstone	Total
1	scrapers	1			1
	flakes	4			4
2	flakes	10	9		19
	grinding plate			9*	9
4	microblade	1			1
	scraper	1			1
	flakes	4	1		5
	water rolled piece	1			1
Total		22	10	9	41

Table 1, Artefact list, Loc. 1, 1985 survey (B13590)

* 9 fragments that fit together

The locality was re-surveyed in 1997 by representatives of Møre og Romsdal Fylkes Kommune (Gellein and Kleiva 1997). At this time three additional test pits were excavated, one of which was positive, and one negative test pit was excavated in the bog basin south of the locality. The positive test pit yielded a single large flake of flint.

The reports describe a relatively simple stratigraphic situation. Gjerland cites:

- 10 to 18 cm thick turf followed by
 - 10 cm thick mineral depleted zone (*utvaskning*) followed by
 - 20 to 30 cm thick mineral enriched zone (*utfelling*)
- (Gerland 1985 [my translation])

where both of the latter two layers contain charcoal and artefacts. Gellein and Kleiva describe:

- 16 cm thick turf followed by
 - 9 cm thick light brown/orange brown soil (mineral enriched zone? [*utfelling?*])
 - followed by
 - 25 cm thick dark brown (agricultural) soil followed by
 - 10 cm thick gravel
- (Gellein and Kleiva 1997:15 [my translation])

While the 1997 survey report presents reservations and/or uncertainties with regard to interpretation of the stratigraphy, both survey reports appear to describe a classic podsol. That is to say, observable stratigraphic differences on the locality were expected to relate only to natural processes, as opposed to cultural activity. It must, however, be clarified that the actual stratigraphic situation observed by us in the field was more complex, involving in

addition to the above noted podsol sequence a set of layers including one agriculturally redeposited zone, one artefact bearing "natural" horizon, as well as at least two intact culture layers⁵.

Locality Description

Loc. 1 lies between 12.5 and 14 masl and is situated between two rock outcrops. It overlooks Hjellvika to the north while to the south lies the lagoon basin discussed above (fig. 3 page 3, fig. 7 page 8 as well as figs. 9 and 10). The inlet to the lagoon lies some 25 to 30 meters to the east, immediately on the far side of the eastern outcrop. The locality extends over an area of 285 m², although the central concentration of artefacts is less extensive, covering an area of some 40 m². This central portion of the locality is situated on at the foot of the eastern outcrop, that is to say, the flattest part of the saddle between the outcrops. Along the western edge of this central area the terrain is uneven but farther west it slopes evenly upward to the western outcrop. To the north a midden deposit extends somewhat down the slope toward the shore of Hjellvika. To the south the terrain slopes gently down to the bog/lagoon.

The data recovered indicate the presence of at least two phases of activity from the Mesolithic. Phase 1 is in the vicinity of the Middle Mesolithic/Late Mesolithic transition and Phase 2 falls within the Late Mesolithic. While it has proved difficult to determine the start and end points of these phases with precision, they are estimated to be within the ranges of 8000 to 6500 BP (Phase 1) and 6500 to 5200 BP (Phase 2)

An additional phase was identified which relates to the transition from the Stone Age to the Bronze Age (Phase 3, ca 3500 BP). Finally, evidence was recovered indicating sporadic use of the locality in later periods, including at 2760+/-60 (Beta-123831, Bronze Age), at 2130+/-50 (Beta-123828, pre Roman Iron Age) and at 950+/-50 (Beta-123830, Medieval period).

Methods

A coordinate system was established whereby the X axis increased towards north and the Y axis increased to the east. It is noted that the local topography made it inconvenient to align the coordinate system precisely on a north-south axis, thus the local grid north deviates somewhat from true north. Each 1 m² unit derived its name from the coordinate point in its south west corner and each 1 m² unit was further subdivided into four 50 X 50 cm quadrants.

⁵ It is noted that archaeologists sometimes use the term culture layer inconsistently. As used here it is meant to refer to black charcoal rich generally fatty soil deposits resulting from cultural activity. Such deposits most often contain also artefacts. The charcoal content and fattiness of these deposits is understood to be the result of intensive and/or long term use by prehistoric groups (more specifically the accumulation of charcoal from hearths and discard of organic refuse). This definition is more restrictive than that used by some authors. It is noted, for example, that some authors appear use the term to denote any soil context containing human artefacts, or in some cases any layer containing charcoal.

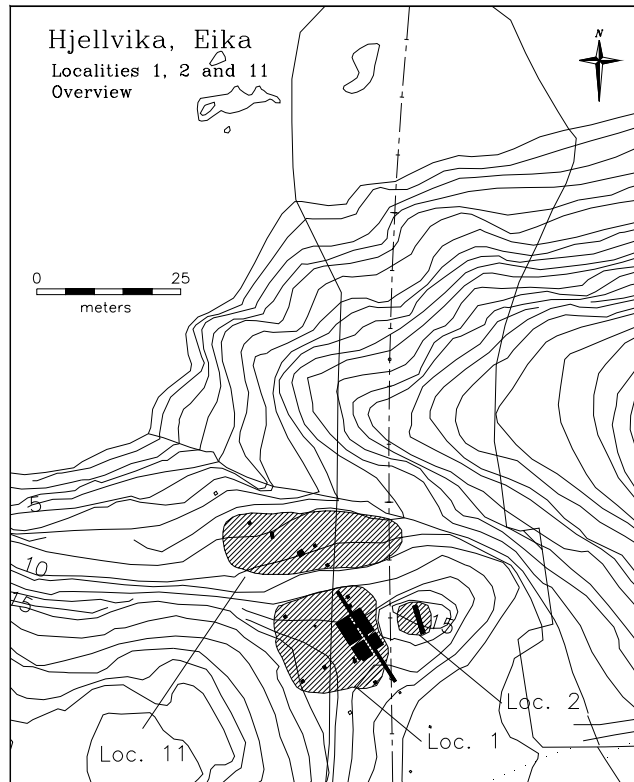


Figure 9, Hjellvika, Eika, localities 1, 2 and 11, overview
Development area and midline of road/bridge are also indicated.
Note that some elevations are incorrect (see footnote 1, page 1).

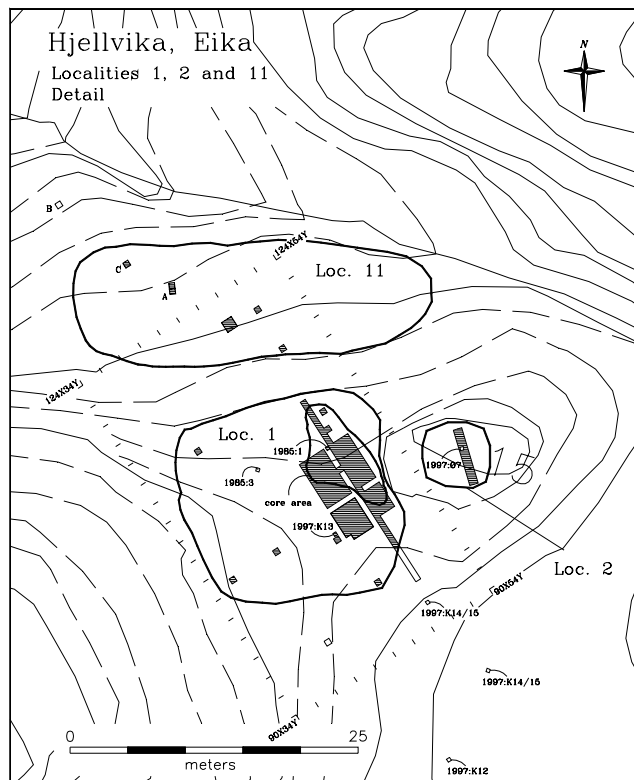


Figure 10, Hjellvika, Eika, localities 1, 2 and 11, detail
Note that some elevations are incorrect (see footnote 1, page 1).

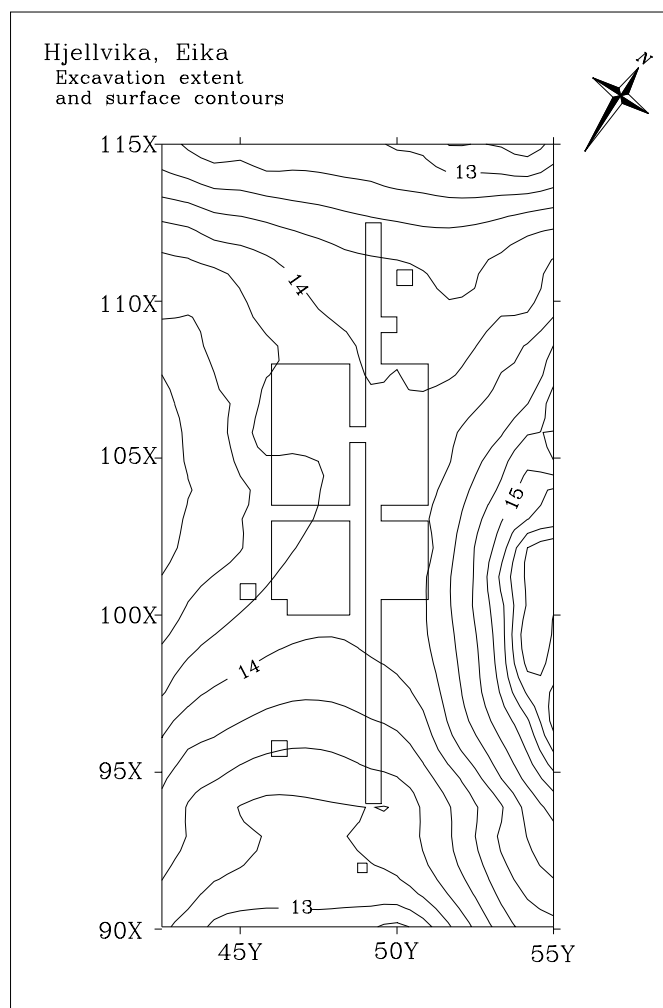


Figure 11, Hjellvika, Eika, Loc. 1, excavation extent and surface contours.

The investigation proceeded with the excavation a series of test units across the locality to in order to determine its extent, variation in artefact density, as well as to confirm our understanding of the nature of the stratigraphy. This was followed by the opening of an area to be excavated in plan. This latter stage was also conducted in conjunction with the excavation of additional tests. Finally a trench was excavated along the main axis of the site for the purpose of profile documentation.

A series of fourteen 50 X 50 cm test units were excavated (note that only eight of these are indicated in fig. 10, page 13, the other six test units fall within the area excavated in plan). With one exception, vertical control in these test units was maintained by excavating a series of 5 cm thick mechanical levels within stratigraphic layers. Layer designations in these test units consisted of a number (indicating mechanical level) followed by letter (small letter, indicating stratigraphic layer). Inasmuch as the stratigraphy varied significantly across the locality no attempt was made to coordinate the letter designations of the stratigraphic layers observed in the test units during their excavation. Thus, for example, layer 3b in one test unit might represent a different stratigraphic layer than 3b in another test unit. However, once a sufficient understanding of the stratigraphy of the locality was achieved the test unit layer designations were correlated to a new set of layer designations (i.e. A, B, C, D etc.) that were consistent across the locality and used in all subsequent excavation. The single test unit

which deviated from this excavation procedure was excavated along the main north-south running profile baulk in order to extract a series of radio-carbon dating samples (105X48Y NE)⁶. This test unit was excavated stratigraphically, with ca 5 cm buffers between the stratigraphic layers.

With regard to the excavation of the locality in plan, considering the relative simplicity of the expected stratigraphy it was intended that the locality would be excavated extensively (near total excavation) and that a minimum of resources would have to be invested in stratigraphic analysis and documentation (stratigraphic control was to be maintained by the excavation of 5 or possibly 10 cm thick mechanical levels). However, in the face of the significantly more complex stratigraphic situation as revealed by our test pits it was necessary to modify this plan extensively.

Given the time consuming task of documenting the stratigraphic situation in sufficient detail it was judged necessary to excavate less extensively than originally planned, focusing on a portion of the core area of the locality. Furthermore, due to time and budgetary restraints it was deemed necessary to deviate from our "standard practice" when excavating stratified localities of maintaining vertical control by excavating 5 cm mechanical levels within all stratigraphic layers. Thus it was decided that the upper layers, that is, those disturbed by later cultural activity, as well as those influenced by natural processes (podsolization) which made it difficult to recognize culturally significant horizons⁷ should be excavated according to stratigraphic layers without introducing 5 cm mechanical levels for extra control. Here layer designations were denoted by capital letters (i.e. A, B, C...). This method was applied to layers A through D. The underlying layers (E through G) were excavated according to our standard practice as noted above. Layer designations consisted of a capital letter, indicating stratigraphic layer, followed by a number indicating the mechanical 5 cm level within the layer (i.e. E1, E2, F1, F2, F3 etc).

All excavated material with the exception of layer B (a horizon redeposited as a result of relatively recent agricultural activity) was water water screened in 4 mm screens. This separate treatment of layer B was deemed necessary in terms of the time constraints that were faced in the field. A final sacrifice resulting from time constraints was that it became necessary to abandon portions of the excavated area before they were excavated to completion. Thus of the 32.75 m² area that was deturfed, a total of 21.75 m² was excavated to completion (fig. 12). As a final step a 50 cm wide trench was shoveled along the north-south main profile baulk in order to allow for documentation of a 19 m long profile through the locality.

⁶ Note that samples from several of the layers in this test unit unfortunately contained insufficient amounts of charcoal.

⁷ Podsol profiles can be difficult to interpret in terms of culture historical content. The podsolization process involves the leeching of minerals from the upper zone of a soil profile and their redeposition in a lower horizon, resulting in a light coloured sandy horizon just under the turf followed by a dark red/brown to black often very hard minerally enriched zone below. The thickness of these layers can vary significantly across relatively small areas, being dependent to a great degree on the drainage characteristics of the soil. Where more water passes through the soil column, for example in relation to a pit or tree fall, the leached zone can be expected to be much thicker than otherwise. The difficulty that exists where podsolization has occurred on a stratified archaeological site is that the podsolization process in fact "erases" the previously existing stratigraphic differences.

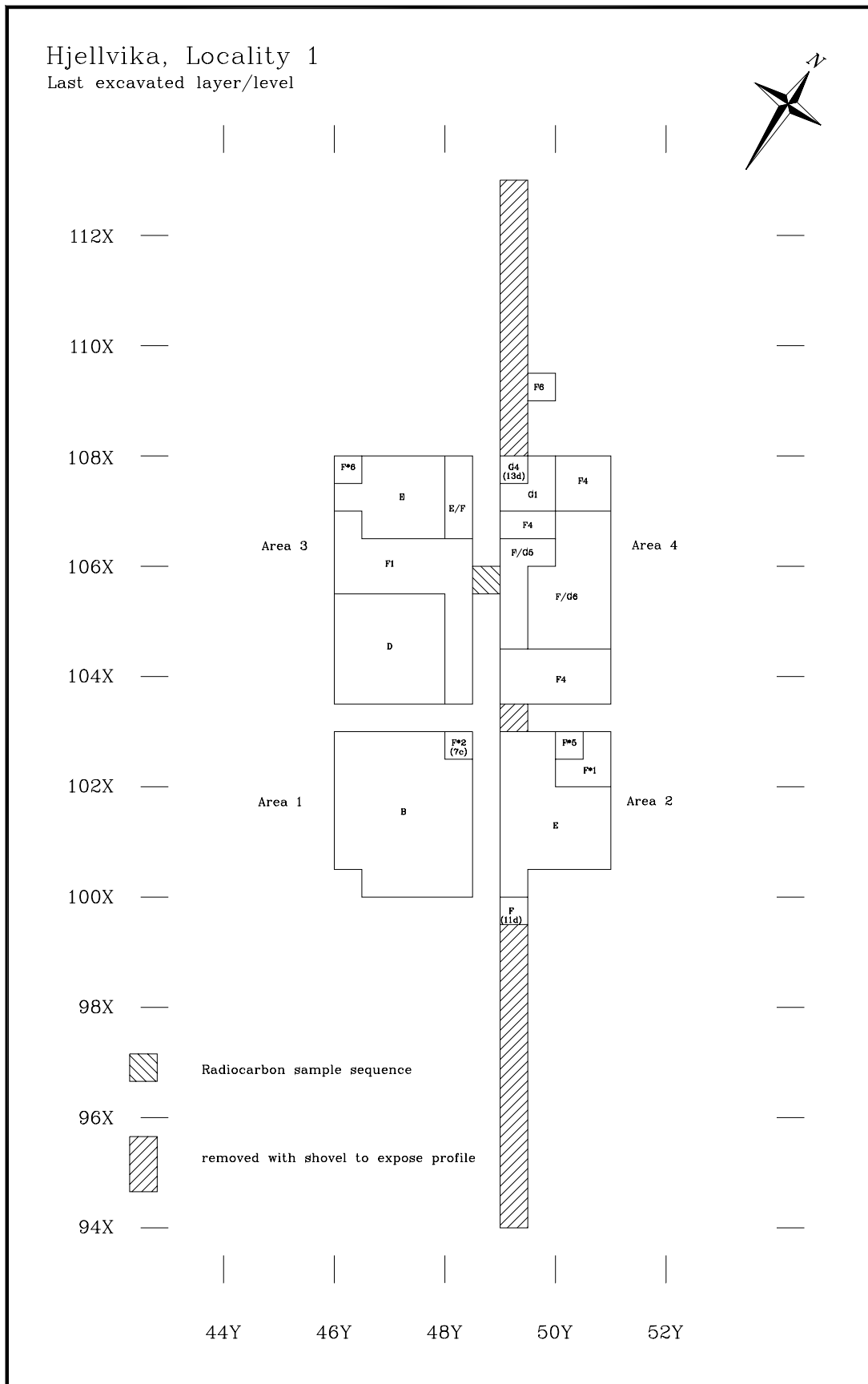


Figure 12, Hjellvika, Eika, Loc. 1, last excavated layer/level.

With regard to the methods employed while preparing the artefact assemblage for museum storage, all tools and pieces of potentially diagnostic debris have been marked with identification numbers. In addition, with regard to lithic debris, one piece in each bag after the final sorting of the material has been similarly marked. The artefacts have been marked with both the locality's BNR (B15677) and the artefacts' FNR (*funnummer* or *løpenummer*, that is, the project's artefact field/lab identification number). It is noted that this format (i.e. B15677/34) is similar to, but distinct from BNR designations which will ultimately be published in the Bergen Museum's *Tilveksfortegnelse*. In the case of the BNR/FNR designation, each tool or piece of potentially diagnostic debris has been assigned a unique number, with debris of similar raw material types from the same excavation units being similarly assigned unique id numbers. In the case of the BNR to be published in the *Tilveksfortegnelse* the secondary number represents not a unique artefact identifier, but rather an artefact type group. Both the artefacts' FNR and *Tilveksfortegnelse* BNR are presented in the artefact list in this report such that they may be used as a key to relate the *Tilveksfortegnelse* BNRs to the specific artefacts they represent.

Results

Based on the distribution of the 5132 artefacts that were recovered (table 2) the locality was determined to extend over an area of 290 m², with a core area characterized by higher artefact densities and the presence of culture layer of some 35 m². Inspection of figure 13 reveals that the highest artefact concentrations were found in Area 4, with lobes of high density extending southwards into Area 2, northwest into Area 3 and north beyond the limits of the excavation. It is worthy to note that the northwestern lobe is most likely artificial, the result of redeposition of soil and artefacts into a natural trough that runs through this area. Furthermore, the area of low artefact density in the southwest corner of Area 4 marks the presence of a younger intrusive hearth and therefore does not reflect the original state of the artefact distribution. It should be noted as well that the artefact densities in Area 1 and the southwestern portion of area 3 are underrepresented in figure 13 as these areas were not excavated to completion.

While comments regarding chronologically diagnostic artefact types will be provided in the discussion of each of the phases below, a few general comments about the assemblage are appropriate at this point. It is observed that the blade/small blade/microblade group is generally very fragmented, with relatively few whole whole examples of being represented (5 blades, 4 small blades and 12 microblades). In comparison to other localities along the west coast of Norway the frequency of drills in the assemblage appears relatively high. It is of interest to view the sandstone plate knives (flensing knives) in light of recent investigations in Skatestraumen, Nordfjord. While these appear to be relatively rare in Hordaland and the southern part of Sogn og Fjordane, Bergsvik (1998a:23, 27 and 42-43 and 1998b:22) reports the recovery of relatively large numbers of these in Skatestraumen. It is expected that the examples recovered from Eiksund will contribute to a better understanding of their regional distribution and typological variation.

Seven main stratigraphic layers were observed, these representing at least three principle phases of stone age occupation (one from the Middle/Late Mesolithic, one from the Late Mesolithic and one from the Late Neolithic/Bronze Age). A total of 6 features (*strukturer*) were documented, 3 or perhaps 4 of which relate to post-stone age activity.

Artefact type	AN	BA	BG	BK	FL	HA	KS	KT	PS	RK	SS	Total
Blades >12 mm <i>Vanlige flekker</i>					22							22
Small blades 8><12mm <i>Småflekker</i>				7	40			1				48
Microblades <8 mm <i>Mikroflekker</i>				13	82			3				98
Crested blades <i>Ryggflekker</i>				3	8							11
Plunged blades <i>Overløpende flekker</i>				2								2
Platform reduction flake <i>Plattform avslag</i>					1							1
Other/non-specific core fragments <i>Andre/ubest. særlige kjernefragmenter</i>					4			1				5
Flakes from ground artefact (non-flint) <i>Avslag av slipt bergartgjenstand</i>		4										4
Debris <i>Avslag/biter</i>		5		789	3369	1	128	336		1	3	4632
Debris struck from side of flake adze <i>Sideavspaltning fra skiveøks</i>					1							1
Burin spalls <i>Stikkelavspaltning</i>					2							2
Blade-like flakes <i>Flekkelignende avslag</i>				3	8			2				13
Conical cores <i>Koniske kjerner</i>					2							2
Handle cores <i>Håndtakskjerner</i>										1		1
Single face cores with one platform <i>Ensidig kjerner med én plattform</i>				2	1			1				4
Single face cores with two platforms <i>Ensidige kjerner med to plattformer</i>				1	1							2
Other cores with two platforms <i>Andre kjerner med to plattformer</i>					2			1				3
Bipolar cores <i>Bipolare kjerner</i>				19	70		2	7		1		99
Non.spec. core fragments <i>Ubestembar kjerne fragment</i>					2							2
Ground adzes with round/oval cross-section <i>Slipte trinnøkser</i>		1										1
Chisels with biconvex cross-section <i>Tosidige flatovale meisler</i>		2	1									3
Plate knives - concave edge, irreg. form* <i>Platekniver - konkav egg, uregelmessig form</i>											21	21
Plate knives - non-spec. edge fragment <i>Platekniver - ubestembart egg fragment</i>											4	4
Non-spec. plate knife fragments <i>Ubest. platekniv fragmenter</i>											42	42
Bifacially worked projectile points - leaf shaped <i>Bladformete overfl. retusj. spisser</i>					1							1
Flake drills <i>Avslagsborspisser</i>					4							4

Artefact type (continued)	AN	BA	BG	BK	FL	HA	KS	KT	PS	RK	SS	Total
Blade drills <i>Flekkeborspisser</i>					8							8
Core drills <i>Kjerneborspisser</i>					1							1
End scrapers on flake <i>Endeskrapere på avslag</i>					3							3
End scrapers on blade <i>Flekkeskrapere</i>					1							1
Other (non-spec.) scrapers <i>Andre skrapere</i>					6							6
Debris with other (non-spec.) retouch <i>Avslag m/ annen retusj</i>				1	37			4				42
Blades with other (non-spec.) retouch <i>Vanlige flekker m/ annen retusj</i>					8							8
Small blades with slanting end retouch <i>Småflekker m/ skrå enderetusj</i>					1							1
Small blades with other (non-spec.) retouch <i>Småflekker m/ annen retusj</i>					12							12
Microblades with straight end retouch <i>Mikroflekker m/rett enderetusj</i>				1								1
Microblades with other (non-spec.) retouch <i>Mikroflekker m/ annen retusj</i>					3							3
Plunged blades with retouch <i>Overløpende flekker med retusj</i>				1	2							3
Plunged crested blades with retouch <i>Overløpende ryggflekker med retusj</i>					1							1
Flake burins <i>Avslagsstikler</i>					1							1
Grinding plates <i>Slipeplater</i>											3	3
Hammerstones <i>Knakkesteiner</i>	1											1
Hammerstone/ anvil stone (for bipolar core?) <i>Knakke-/amboltsteiner (til bipolar kj.?)</i>	1											1
Pumice with groove <i>Pimpstein m/ slipespor</i>									4			4
Pumice without groove <i>Pimpstein uten slipespor</i>									1			1
Other artefacts** <i>Andre gjenstander</i>					1							1
Flint nodules <i>Flint knoller</i>					2							2
Total												5132

Table 2, Artefact list, Loc. 1, 1997 investigation, overview (B15677)

* all fragments fit to one knife

** blade/small blade fragment with retouch along two edges,
retouch struck from dorsal face (drill? C/D type point base? other?)

AN=	other material	FL=	flint	PS=	pumice
BA=	coarse grained volcanic	HA=	other struck material	RK=	smoke quartz
BG=	greenstone	KS=	quartz	SS=	sandstone
BK=	quartz crystal	KT=	quartzite		

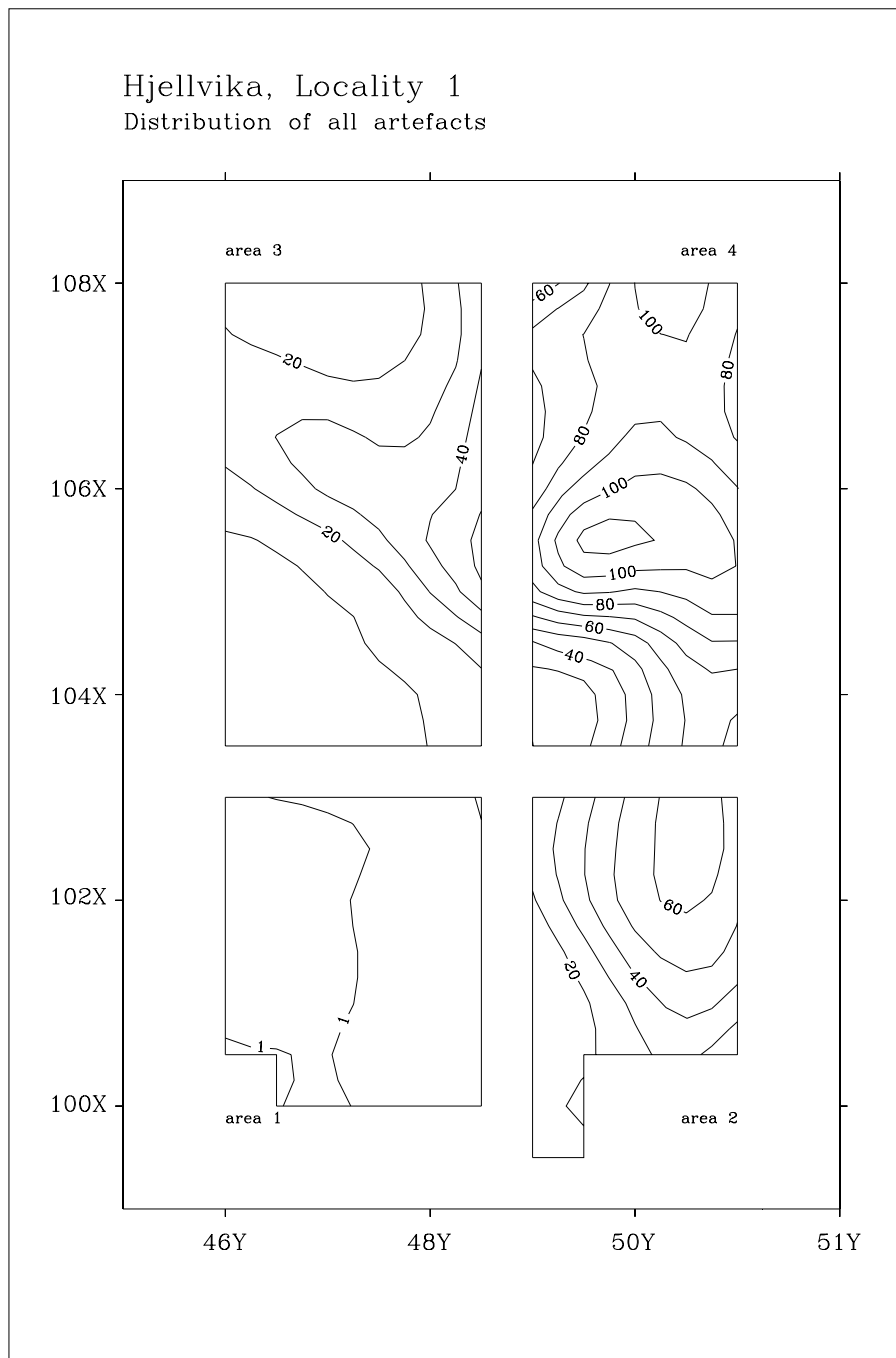


Figure 13, Hjellvika, Eika, Loc. 1, distribution of all artefacts. Distribution plot generated with Surfer (Golden Software) using inverse distance squared method and 0.5 m grid spacing.

Stratigraphy

Layer A was present over the whole of the locality. It is understood to have formed as a result of relatively recent agricultural activity (haying, livestock browsing). Layer B was more restricted in extent, within the excavated area being limited to Areas 1 and 2. It is interpreted to represent an accumulation resulting from agriculturally related erosion on the slope to the south west of the excavated area, perhaps from the core area of the locality as well. It is uncertain precisely when the activity resulting in this erosion/redeposition took place but inasmuch as layer B overlies feature 5 (a cooking pit or *kokegrop*) the activity must

Hjellvika, Locality 1
Profile along 49Y, 94-113X

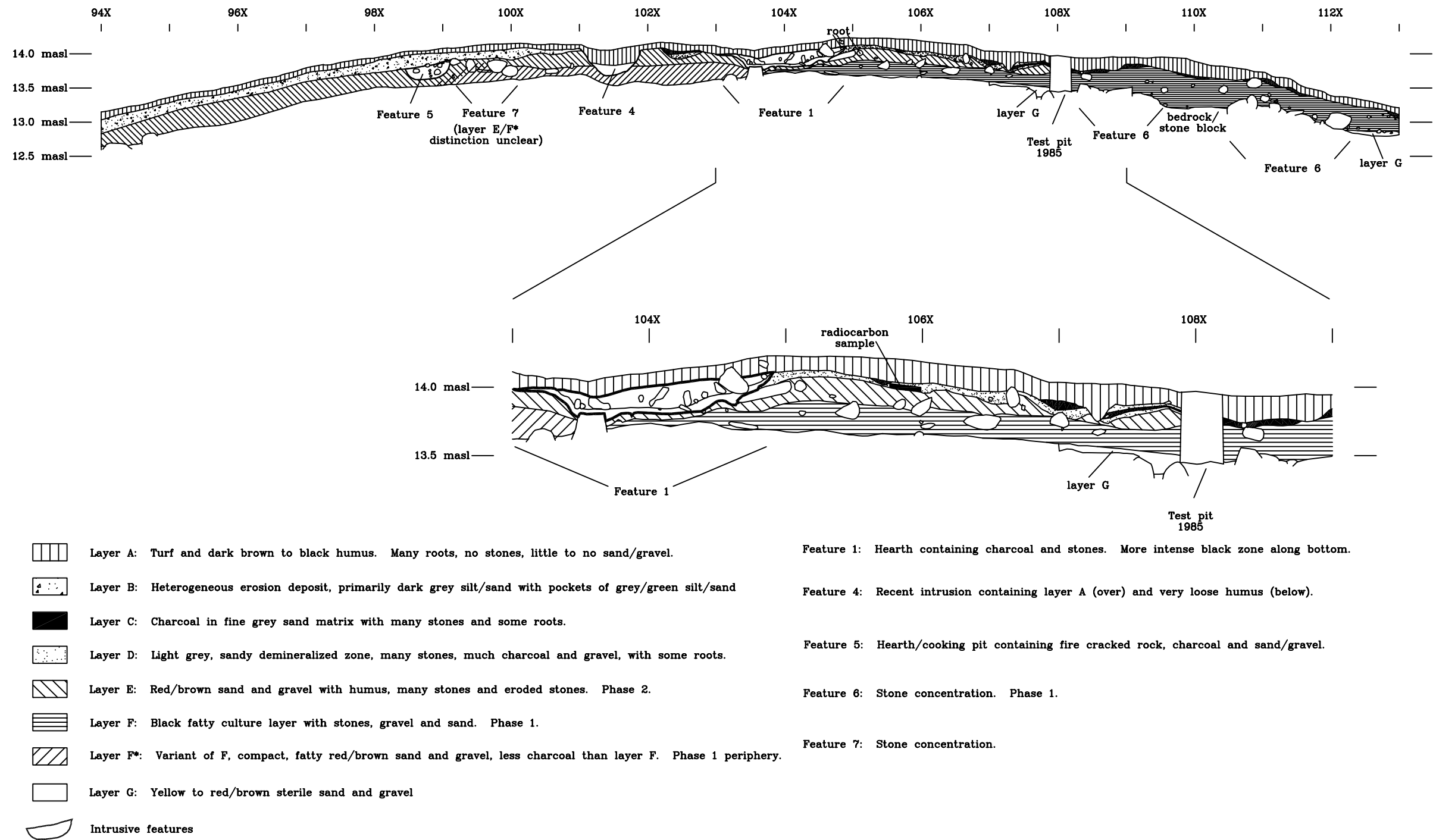


Figure 14, Hjellvika, Eika, Loc. 1, main profile.

have taken place after the construction of this feature which is radio-carbon dated to 950+/-50 BP. Layer B contained lithic debris of a variety of raw materials as well as one used/retouched small blade. Layer C was discontinuous and was represented most commonly in small depressions. It likely represents one or more episodes of activity related to forest clearing and/or forest fire(s). Layer D, also a discontinuous horizon, is the result of a dynamic soil chemistry process, that of podsolization (see footnote 7 on page 15). While the podsolization process is not understood to have displaced the artefacts in this layer, the artefacts can not be considered to be properly *in situ* in that podsolization has masked the original stratigraphic context of the affected deposits such that it is not possible to determine their initial stratigraphic/phase relation on the basis of soil colour, content and texture.

Layer	Phase	Thickness	Description
A	uncertain	2 - 20 cm	Turf and dark brown to black humus, sporadically many roots, almost purely organic content (few to no stones, little sand/gravel).
B	uncertain	up to 15 cm	Dark grey, silty agricultural/erosion horizon. Heterogeneous, with pockets of grey/green silt/sand.
C	uncertain	2 - 5 cm	Charcoal rich horizon, contents as layer D (forest clearing?)
D	uncertain	up to 20 cm	Mineral depleted (leached) light grey sand. Many stones, some roots and gravel. Relatively much charcoal (some large pieces).
E	2	up to 20 cm	Red/brown humus rich sand/gravel. Many stones.
F	1	up to 30 cm	Black, greasy, culture layer with stones, gravel and sand
F*	1	up to 30 cm	Variant of layer F in Area 1 - compact fatty red/brown gravel, less charcoal than layer F in other areas
F/G	1	up to 10 cm	Transition zone between layers F and G
G	1		Gravel/sand, primarily sterile, but with a few (displaced?) artefacts in upper part.

Table 3, Layer descriptions, Loc. 1.

Layer E represents a remnant of a Late Mesolithic phase of activity. It is to be considered "incomplete" inasmuch as an undertermined volume of what was once layer E has been transformed into layer D through podsolization. Additionally, it is possible that a portion of layer E has been redeposited to form layer B. Layer F represents an intact culture layer dating to the Late Mesolithic. It was, however, minimally disturbed by a set of younger intrusive disturbances. It is noted that a variant of this layer, designated F* was observed in Areas 2 and 3. While layer F* in Area 2 appeared to be sterile, F* in Area 3 was artefact bearing. The differences between layers F and F* presumably relate to differing types or intensities of activities in this phase of occupation. It should also be observed that the lower boundary of layer F was not always distinct. Thus, where the F - G boundary was unclear, a transition zone (layer F/G) was defined. While layer F/G may simply represent a diffuse transition between layers F and G, it is possible that it represents a separate phase of occupation (see discussion below).

Finally, layer G represents a basal sterile deposit, although a few artefacts (17 of the total of 5130) were recovered from the first 5 cm of layer G. These are presumed to have been displaced into G from the overlying layers as a result of, for example, natural processes or perhaps trampling.

Phase 1

Phase 1 is represented by layers F and F/G. Radio-carbon age determinations and typological elements indicate a relatively broad age range for this phase. Two radio-carbon samples from this phase yielded the following Late Mesolithic dates:

Beta 123829	6920+/-80 BP	105X50Y	NØ quad.	layer F/G-6
Beta 123832	7190+/-60 BP	109X49Y	SØ quad.	layer F5 (midden area)

The sample dated to 6920+/-80 BP from layer F/G-6 is from the basal level of the main activity area of the locality. As such it was expected to represent the oldest activity on the locality. However, the determination of an older date (7190+/-60 BP) from towards the bottom of the sequence of the midden area to the north suggests the presence of an older activity which does not otherwise appear to be represented in the area excavated⁸.

It is possible that Phase 1 actually represents 2 (or more) phases of activity. During excavation it was observed that a distinctive type of flint tended to be associated with F/G. In addition, inspection of the vertical and horizontal artefact distribution in the area where F/G was excavated revealed an inconsistent tendency towards increased artefact frequencies in layer F/G compared to the lower part of layer F. These observations by themselves, however, are at present considered too weak to stand as the basis for the definition of an additional phase of occupation. A more reliable test for the presence of such an additional phase would ideally be based on additional radio-carbon age determinations and/or a program of intra-site analysis, specifically involving the method of refitting. Unfortunately the economic framework of the project did not allow for additional radio-carbon dates, and a more fully developed program of intra-site analysis is beyond the scope of the present investigation. Thus, for the purposes of this presentation layers F and F/G will be taken to represent one phase of occupation.

While the radio-carbon age determinations did not date the start point of Phase 1, the chronologically diagnostic typological elements recovered place it as far back as some time in the Middle Mesolithic. This is indicated by the presence of a burin and burin spall, types which are present in the Middle Mesolithic but are absent from the Late Mesolithic. In addition the blade/small blade/microblade assemblage is somewhat variable in terms of width and is consistent with an age spanning the latter part of the Middle Mesolithic and the Late Mesolithic. Additional typological elements, in particular ground adzes with round/oval cross sections (*trinnøkser*), are most commonly datable to the Late Mesolithic, but can also be found in Middle Mesolithic contexts, and are thus consistent with an age range spanning the latter part of the Middle Mesolithic and portions of the Late Mesolithic (ca 8000 - 6500 BP).

Figure 15 presents the horizontal distribution of artefacts related to Phase 1. A relatively dense concentration is evident in the east central part of Area 4. While this plot indicates that the concentration extends to the east beyond the limits of the

⁸ Layer F in this excavation unit extended from 23 to 72 cm below surface, the radio-carbon sample was taken from a depth of 56 to 63 cm, the level which had the highest artefact and charcoal density.

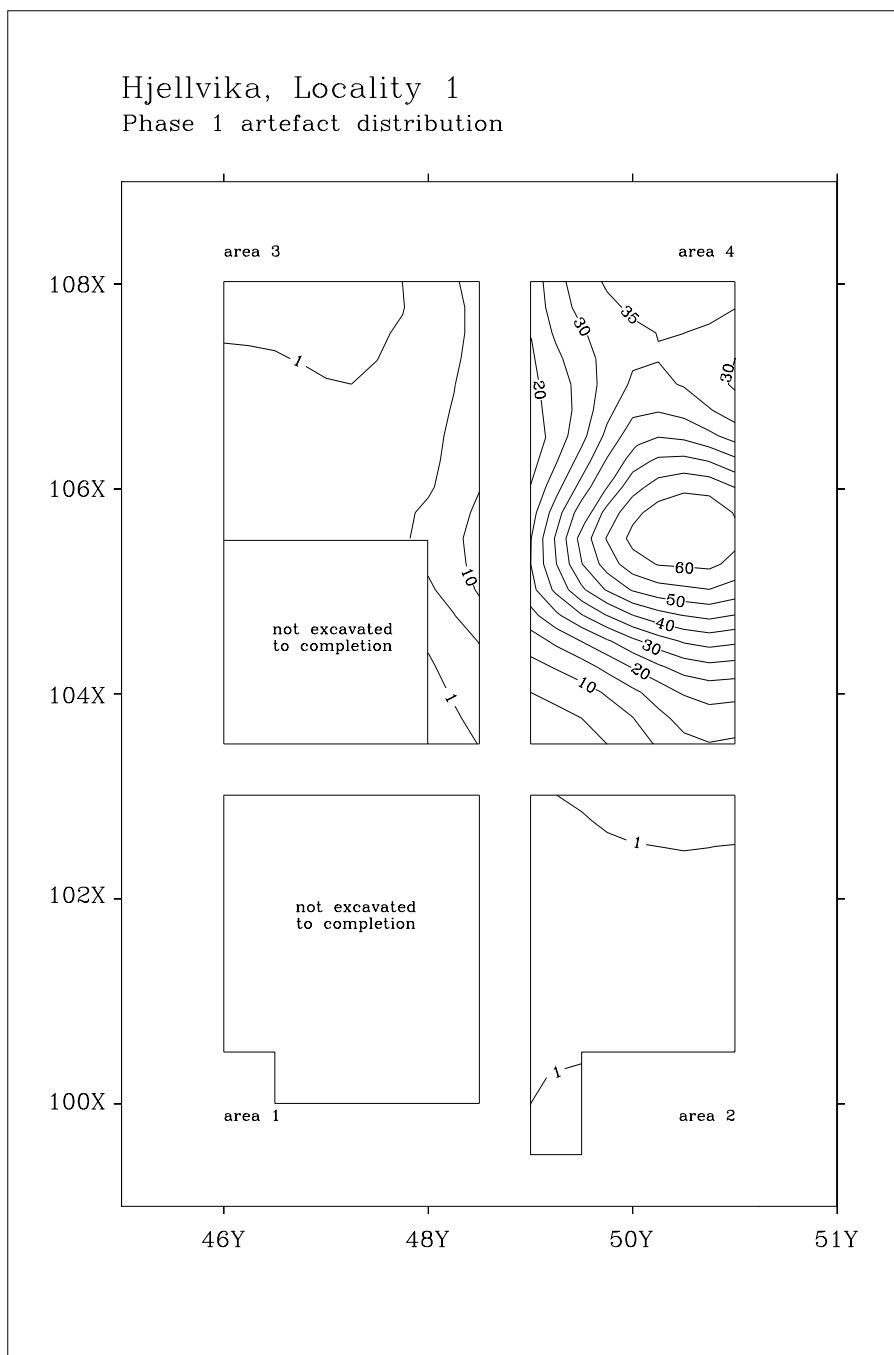


Figure 15, Hjellvika, Eika, Loc. 1, distribution of artefacts from Phase 1. Distribution plot generated with Surfer (Golden Software) using inverse distance squared method and 0.5 m grid spacing.

excavation it should be noted that a rock outcrop ca 1 m to the east of the excavation sets an absolute limit for the eastern extent of the artefact distribution. The plot also indicates the presence of an additional concentration of unknown density and extent beyond the limits of the excavation to the north.

A set of stone/boulder concentrations were identified along the slopes both to the north and south of the central area of the locality (fig. 16). These were interpreted to be the result of stone clearing and were designated as features 6 and 7. Both are stratigraphically related to the beginning of Phase 1, or they may perhaps pre-date

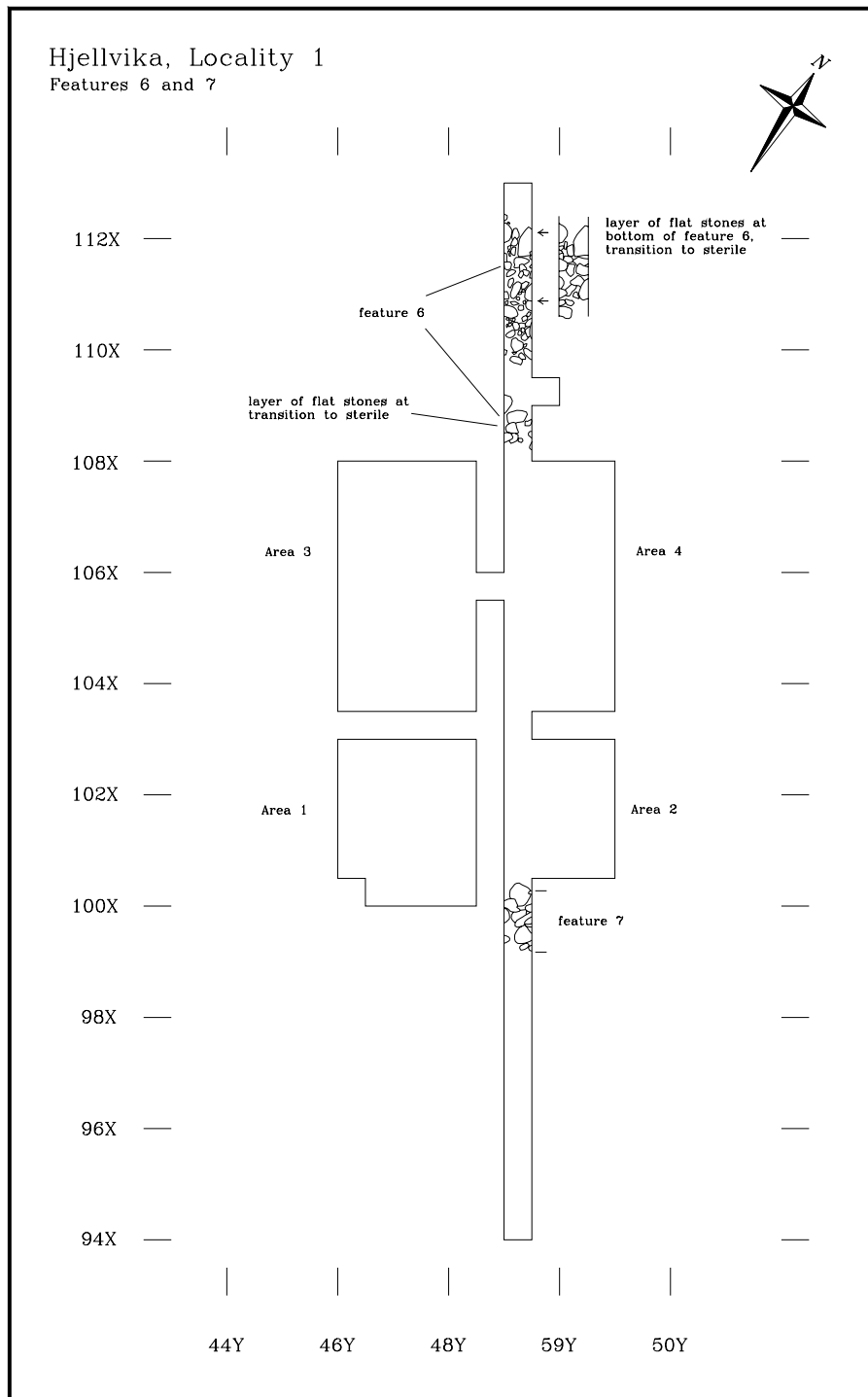


Figure 16, Hjellvika, Eika, Loc. 1, Features 6 and 7.

Phase 1. Alternatively, it is possible that these represent natural formations, more specifically, strand lines. However, lacking more detailed data with regard to the timing of sea level fluctuations and more complete information as to the horizontal extent and elevation of the concentrations, judgment as to the viability of this alternative hypothesis must be reserved.

Artefact type	AN	BA	BG	BK	FL	HA	KS	KT	SS	Total
Blades >12 mm <i>Vanlige flekker</i>					15					15
Small blades 8><12mm <i>Småflekker</i>				1	10					11
Microblades <8 mm <i>Mikroflekker</i>				4	28					32
Crested blades <i>Ryggflekker</i>					6					6
Platform reduction flake <i>Platform avslag</i>					1					1
Other/non-specific core fragments <i>Andre/ubest. særlige kjernefragmenter</i>								1		1
Flakes from ground artefact (non-flint) <i>Avslag av slipt bergartgjenstand</i>		3								3
Debris <i>Avslag/biter</i>		2		163	1032	1	35	63	2	1298
Debris struck from side of flake adze <i>Sideavspaltning fra skiveøks</i>					1					1
Burin spalls <i>Stikkellavspaltning</i>					1					1
Blade-like flakes <i>Flekkelignende avslag</i>					2					2
Bipolar cores <i>Bipolare kjerner</i>				4	25			3		32
Ground adzes with round/oval cross-section <i>Slipte trinnøkser</i>		1								1
Chisels with biconvex cross-section <i>Tosidige flatovale meisler</i>			1							1
Non-spec. plate knife fragments (grinding plate fragments?) <i>Ubest. platekniv fragmenter (slipe plate fragmenter?)</i>									7	7
Blade drills <i>Flekkedorpsisser</i>					1					1
Core drills <i>Kjerneborpsisser</i>					1					1
Other (non-spes.) scrapers <i>Andre skrapere</i>					2					2
Debris with other (non-spes.) retouch <i>Avslag m/ annen retusj</i>					11			1		12
Blades with other (non-spes.) retouch <i>Vanlige flekker m/ annen retusj</i>					2					2
Small blades with slanting end retouch <i>Småflekker m/ skrå enderetusj</i>					1					1
Small blades with other (non-spes.) retouch <i>Småflekker m/ annen retusj</i>					8					8
Plunged blades with retouch <i>Overløpende flekker med retusj</i>				1	1					2
Flake burins <i>Avslagsstikler</i>					1					1
Grinding plates <i>Slipeplater</i>									2	2
Hammerstone/anvil stone (for bipolar core?) <i>Knakke-/amboltsteiner (til bipolar kj.?)</i>	1									1
Flint nodule <i>Flint knoller</i>					2					2
Total										1447

Table 4, Artefact list, Loc. 1, 1997 investigation, Phase 1 (B15677).

AN= other material BK= quartz crystal KS= quartz
BA= coarse grained volcanic FL= flint KT= quartzite
BG= greenstone HA= other struck material SS= sandstone

Phase 2

Phase 2 is represented by layer E. Due to the small amounts of charcoal present in this layer Phase 2 was not radiologically dated. However, on the basis of stratigraphy it must be seen as post-dating Phase 1. Furthermore, the chronologically diagnostic typological elements recovered (microblades, conical core, chisel with biconvex cross section, table 5) pre-date the Mesolithic-Neolithic transition and classical types which are exclusively characteristic of the Neolithic are absent. Thus Phase 1 can be bracketed to sometime within the Late Mesolithic, most likely within 6500 and 5200 BP.

The horizontal distribution of artefacts related to Phase 2 is presented in fig. 17. The reader will note three principle artefact concentrations, one in each of areas 2, 3 and 4, as well as a lobe extending to the north of area 4. It should be observed that the concentration in area 3 may be artificial in that these artefacts may have been washed into the trough that runs through this area (see discussion also on page 17 above). The zone of low artefact density in the south west corner of area 4 is clearly an artificial construct. It is the result of a later intrusive hearth (feature 1) and contributes significantly to the visual impression of the concentrations in areas 4 and 2 as separate units. These concentrations, however, may be more integrally related than this plot suggests, with them perhaps actually representing one large concentration/activity area as opposed to two separate smaller ones. It should be stated that clarification of the nature of the concentration in area 3 and the relationship between the concentrations in areas 2 and 4 is pending a more detailed program of intra-site analysis, an analysis that is beyond the scope the current investigation.

As in the discussion of the artefact distribution in Phase 1 above, little can be said regarding the lobe extending to the north of area 4. Similarly, it can be stated that the tendency towards higher artefact concentrations along the eastern wall of area 4 can not represent an especially extensive new artefact concentration as the presence of a rock outcrop sets an absolute limit to the distribution of artefacts ca 1 m to the east of the excavation.

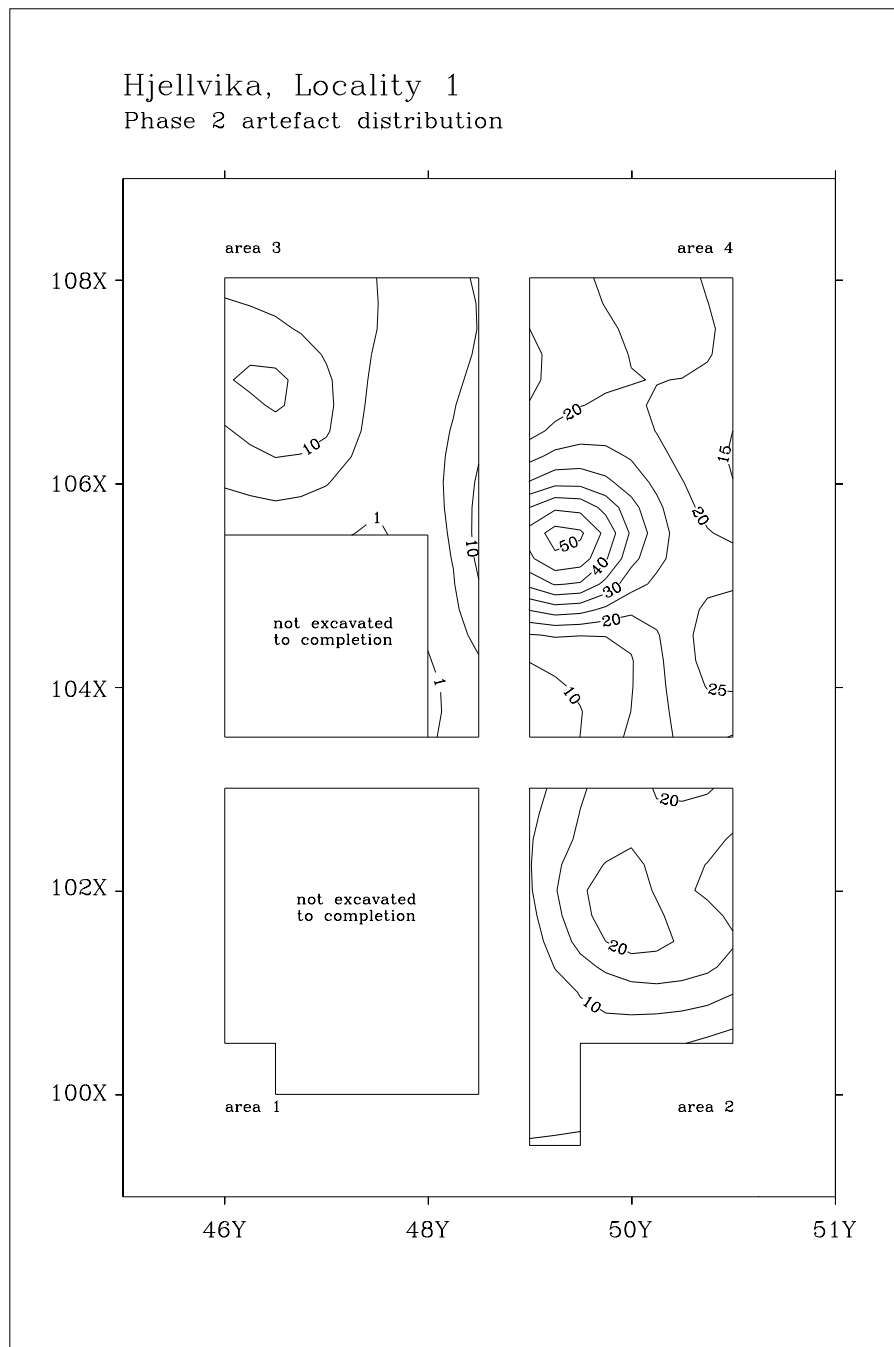


Figure 17, Hjellvika, Eika, Loc. 1, distribution of artefacts from Phase 2. Distribution plot generated with Surfer (Golden Software) using inverse distance squared, and 0.5 m grid spacing.

Artefact type	AN	BA	BK	FL	KS	KT	PS	RK	SS	Total
Blades >12 mm <i>Vanlige flekker</i>				1						1
Small blades 8<<12mm <i>Småflekker</i>			1	11						12
Microblades <8 mm <i>Mikroflekker</i>			6	20						26
Crested blades <i>Ryggflekker</i>			1							1
Plunged blades <i>Overløpende flekker</i>			1							1
Flakes from ground artefact (non-flint) <i>Avslag av slipt bergartgjenstand</i>		1								1
Debris <i>Avslag/biter</i>		2	228	907	39	99		1		1276
Blade-like flakes <i>Flekkelignende avslag</i>			1	4		1				6
Conical cores <i>Koniske kjerner</i>				1						1
Single face cores with one platform <i>Ensidig kjerner med én plattform</i>						1				1
Bipolar core <i>Bipolare kjerner</i>			7	17	1	1				26
Non.spec. core fragment <i>Ubestembar kerne fragment</i>				1						1
Chisels with biconvex cross-section <i>Tosidige flatovale meisler</i>		1								1
Plate knives - concave edge, irreg. form* <i>Platkniver - konkav egg, uregelmessig form</i>									7	7
Non-spec. plate knife fragments <i>Ubest. platekniv fragmenter</i>									9	9
Flake drills <i>Avslagsborspisser</i>				2						2
Blade drills <i>Flekkeborspisser</i>				2						2
End scrapers on blade <i>Flekkeskraper</i>				1						1
Other (non-spec.) scrapers <i>Andre skrapere</i>				3						3
Debris with other (non-spec.) retouch <i>Avslag m/ annen retusj</i>			1	10		1				12
Small blades with other (non-spec.) retouch <i>Småflekker m/ annen retusj</i>				1						1
Microblades with straight end retouch <i>Mikroflekker m/rett enderetusj</i>			1							1
Microblades with other (non-spec.) retouch <i>Mikroflekker m/ annen retusj</i>				2						2
Plunged crested blades with retouch <i>Overløpende ryggflekker med retusj</i>				1						1
Grinding plates <i>Slippeplater</i>									1	1
Hammerstones <i>Knakkesteiner</i>	1									1
Pumice with groove <i>Pimpstein m/ slipespor</i>							4			4
Pumice without groove <i>Pimpstein uten slipespor</i>							1			1
Total										1402

Table 5, Artefact list, Loc. 1, 1997 investigation, Phase 2 (B15677).

*these 7 pieces fit with 14 from the overlying layer (D)

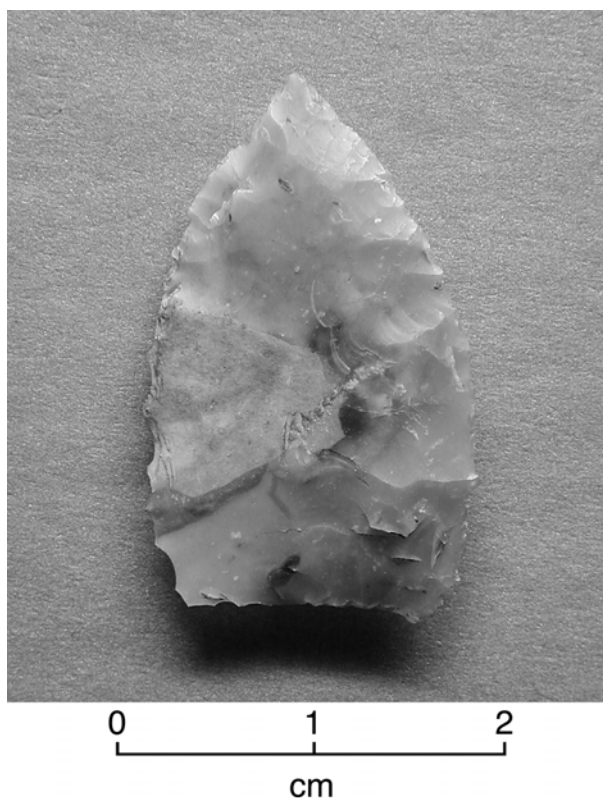
AN= other material FL= flint PS= pumice
BA= coarse grained volcanic KS= quarts RK= smoke quarts
BK= quarts crystal KT= quartzite SS= sandstone

Phase 3 - Late Neolithic/Bronze Age

Phase 3 was defined on the basis of a single artefact, a bifacially flaked projectile point of flint (plate 1). The artefact was recovered from a stratigraphic context termed C/D. Its stratigraphic relation could not be more precisely determined because layer C in this area was so thin that it could not be effectively separated from layer D, thus the context was excavated in one unit referred to as C/D. Moreover, as layers C and D are otherwise considered to be uncertain contexts (refer to discussions on page 23 above as well as in the following section) the age of this artefact and thereby phase are based on a typological evaluation of the point.

The projectile point is made of fine grained matte grey flint with an inclusion of coarser chert. It is carefully worked and has a straight base to concave base with one hanging corner. The maximum width of the point is ca 1/3 of the way up from its base. According to the Prescott's (1987:165-166) chronology for bifacially worked projectile points it is dated to the early part of the Late Lithic Period, that is to say ca. 3850 to 3350 BP. In relation to the chronological framework used here it relates to the transition between the Late Neolithic/Early Bronze Age

With regard to features, while it is possible that one or more of the undated intrusive structures documented on the locality might relate to this phase, none at present can be associated with it with any certainty.



*Plate 1, Bifacial point B15677/56 (Fnr 1248).
Photo David N. Simpson*

Non-phase related material

The remaining stratigraphic contexts contain 2257 artefacts (table 6) that can not be securely dated. In the following these contexts will be briefly addressed in turn. Layer D (a mineral depleted podsol) contains elements that relate to Phase 2. This is most clearly demonstrated by the refitting of portions of a plate knife found in this layer with fragments found in the underlying layer E (Phase 2, see plate 2). However, the recovery of the bifacially worked point discussed above in layer C and/or D implies that layer D should be treated as a mixed context. A radio-carbon age determination from layer D confirms its status as problematic. The age of the sample was found to be 2760+/-70, a result that is younger yet than the age of the bifacially worked projectile point.. It may well be the case that the charcoal dated is "intrusive" in that it is the result of charred roots relating to the extensive burning that occurred on the locality somewhat later as evidenced by the charcoal horizon layer C. An additional difficulty with layer D is that the natural process which "formed" this layer has in effect erased all traces of the previously existing stratigraphic distinctions (see footnote 7, page 15).

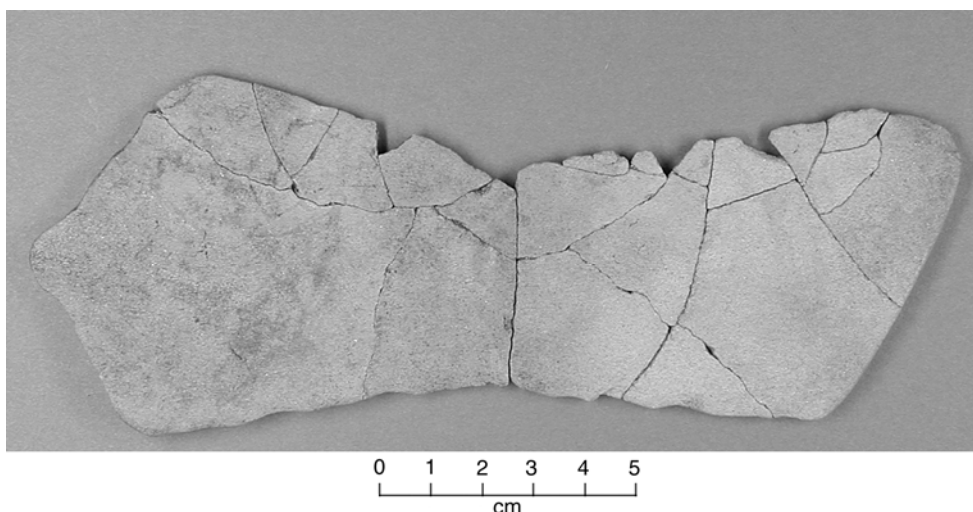


Plate 2. Sandstone knife B15677/33 and B15677/63 (Fnr 149 and 121). Left half from layer E(culture layer, phase 2), right half from layer D (mineraly depleted, non phase related layer). Note color difference, the right half is lighter due to the effects of podsolization. Photo David N. Simpson.

Only two artefacts were recovered from layer C. These, a pair of quartz crystal flakes, are in and of themselves of no chronologically diagnostic value. While layer C was not radio-carbon dated, it is considered to relate to one or more episodes of burning that occurred later than the Stone Age. Possible explanations for such burning include agriculturally related land clearing and/or natural forest fires.

As discussed earlier, layer B is considered to be the result of agricultural redeposition. Reference to figure 14 (page 21) demonstrates that layer B seals and therefore post dates feature 5 a hearth/cooking pit (*ildsted/kokegrop*) which is dated to 950+/- 50 (Beta 123830). The Stone Age artefacts recovered from layer B must therefore be considered to be out of their original context.

Artefact type	BA	BK	FL	KS	KT	RK	SS	Total
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Blades >12 mm <i>Vanlige flekker</i>			6					6
Small blades 8<<12mm <i>Småflekker</i>		5	17		1			23
Microblades <8 mm <i>Mikroflekker</i>		3	32		3			38
Crested blades <i>Ryggflekker</i>		2	2					4
Plunged blades <i>Overløpende flekker</i>		1						1
Other/non-specific core fragments <i>Andre/ubest. særlige kjernefragmenter</i>			4					4
Debris <i>Avslag/biter</i>	1	392	1419	54	173		1	2040
Burin spalls <i>Stikkelavspaltning</i>			1					1
Blade-like flakes <i>Flekkelignende avslag</i>		2	2		1			5
Conical cores <i>Koniske kjerner</i>			1					1
Handle cores <i>Håndtakskjerner</i>						1		1
Single face cores with one platform <i>Ensidig kjerner med én plattform</i>		2	1					3
Single face cores with two platforms <i>Ensidige kjerner med to plattformer</i>		1	1					2
Other cores with two platforms <i>Andre kjerner med to plattformer</i>			2		1			3
Bipolar cores <i>Bipolare kjerner</i>		7	28	1	3	1		40
Non.spec. core fragments <i>Ubestembar kerne fragment</i>			1					1
Chisels with biconvex cross-section <i>Tosidige flatovale meisler</i>	1							1
Plate knives - concave edge, irreg. form* <i>Platekniver - konkav egg, uregelmessig form</i>							14	14
Plate knives - non-spec. edge fragment <i>Platekniver - ubestembar egg fragment</i>							4	4
Non-spec. plate knife fragments <i>Ubest. platekniv fragmenter</i>							26	26
Flake drills <i>Avslagsborspisser</i>			2					2
Blade drills <i>Flekkeborspisser</i>			5					5
End scrapers on flake <i>Endeskrapere på avslag</i>			3					3
Other (non-spec.) scrapers <i>Andre skrapere</i>			1					1
Debris with other (non-spec.) retouch <i>Avslag m/ annen retusj</i>			15		2			17
Blades with other (non-spec.) retouch <i>Vanlige flekker m/ annen retusj</i>			6					6
Small blades with other (non-spec.) retouch <i>Småflekker m/ annen retusj</i>			3					3
Plunged blades with retouch <i>Overløpende flekker med retusj</i>			1					1
Other artefacts** <i>Andre gjenstander</i>			1					1
Total								2257

Table 6, Artefact list, Loc. 1, 1997 investigation, non-phase related material (B15677).

*all of these pieces fit with 7 from the underlying layer (E)

** blade/small blade fragment with retouch along two edges,
retouch struck from dorsal face (drill? C/D type point base? other?)

BA= coarse grained volcanic KS= quarts RK= smoke quarts
BK= quarts crystal KT= quartzite SS= sandstone
FL= flint

The 78 artefacts recovered from layer A appear to relate primarily to phase 2, this on the basis of typology, however due to the possibility of admixture additional artefacts from phase 3 and the very nature of this turf as an active soil horizon it must be considered an insecure context.

Post-Stone Age features - 1, 3, 4 and 5

In addition to the having been used in the Stone Age periods addressed above, Loc. 1 was also used sporadically in later periods as witnessed by a number of younger intrusive features. Note that the artefacts from these are to be considered as derived from secondary contexts

Feature 1 (fig. 14 page 21, as well as figs. 18, 19 and 20) is a relatively broad, shallow intrusive hearth of irregular form. It measures up to 2.3 meters in diameter and up to 22 cm deep. Its fill consists of very dark charcoal rich sand/gravel and a large number of stones. Its walls and bottom are irregular in form and a zone of black charcoal is evident along its lower horizon in figure 14 (page 21). It has been radio-carbon dated to 2139+/-50 BP (Beta 123828) which places it in the pre-Roman Iron Age.

Artefact type	BK	FL	KT	Total
Small blades 8><12mm <i>Småflekker</i>		1		1
Microblades <8 mm <i>Mikroflekker</i>		1		1
Debris <i>Avslag/biter</i>	3	10	1	14
Bipolar cores <i>Bipolare kjerner</i>	2			2
Debris with other (non-spec.) retouch <i>Avslag m/ annen retusj</i>		2		2
Microblades with other (non-spec.) retouch <i>Mikroflekker m/ annen retusj</i>		1		1
Total				21

Table 7, Artefact list, Loc. 1, 1997 investigation, feature 1 (B15677).

BK= quartz crystal FL= flint

Feature 3 (figs. 18, 19 and 20) is a relatively small charcoal filled hearth. While it was not exposed in its entirety, it appears to measure 30 cm in diameter and 13 cm deep. In profile its walls were sloping and bottom irregular. Its fill consists of dark charcoal rich sand and a zone of brown/black sand. While it was not radio-carbon dated its stratigraphic position indicates it to be younger than the stone age.

Feature 4 (fig. 14 page 21 and fig. 18) is an oval depression that was visible on the surface measuring 160 by 60 cm and 40 cm deep. Its walls were sloping and bottom round. Its fill consisted of turf overlying very loose humus. As evident in figure 14 (page 21) it is younger than layer B. This observation and the nature of the fill suggests that it is of a very recent age.

Feature 5 (fig. 14 page 21 and fig. 18) is a hearth/cooking pit (*ildsted/kokegrop*). It was not exposed in its entirety, but appears to be of irregular form, measuring up to 130 cm in diameter and 20 cm deep. In profile it is rounded with a slightly flattened bottom. Its fill consists of fire cracked rock, charcoal as well as sand and gravel and it has been radio-carbon dated to 950+/-50 BP (Beta 123830) which places it in the Medieval period.

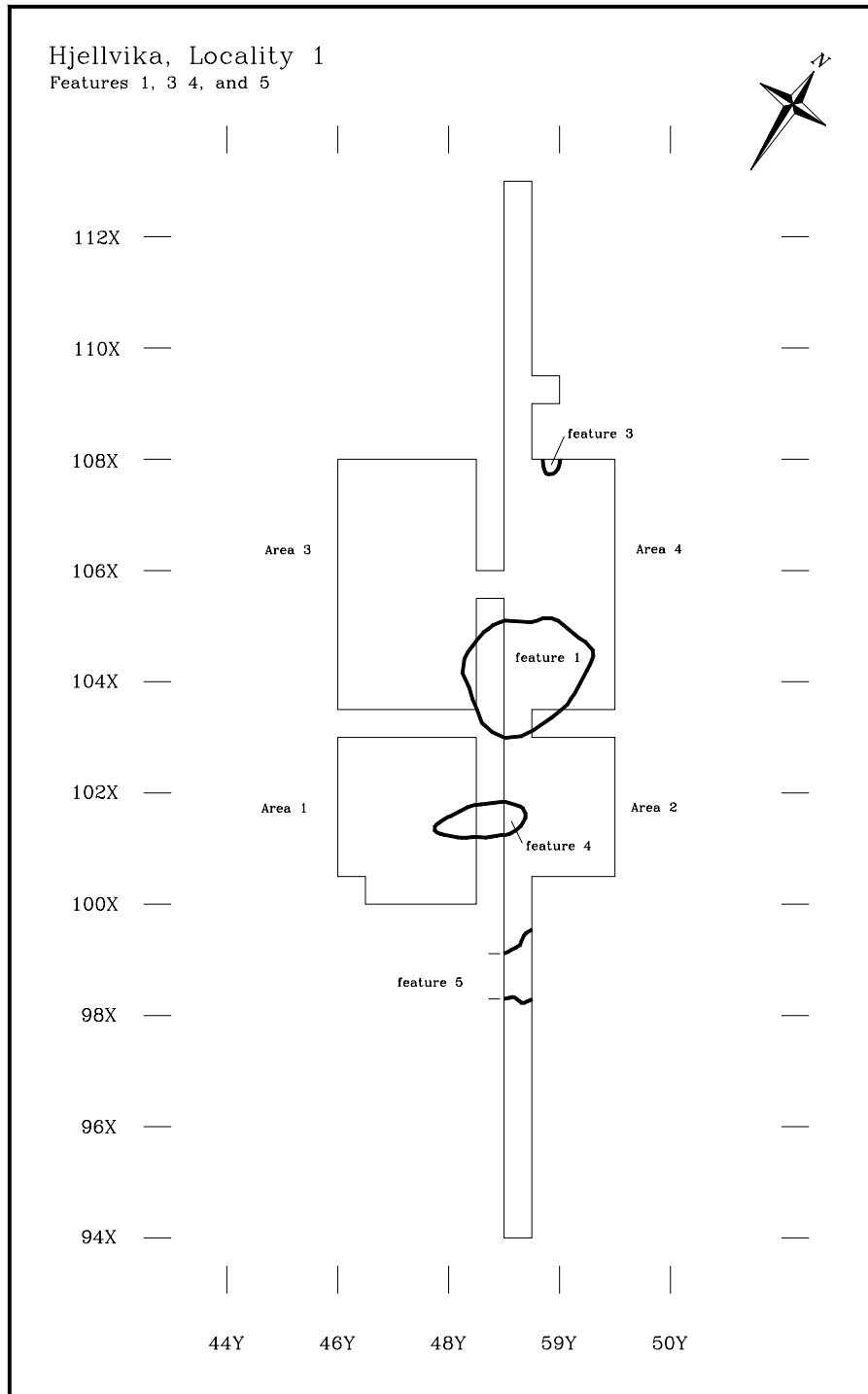


Figure 18, Hjellvika, Eika, Loc. 1, Features 1, 3, 4 and 5.

Artefact type	BK	FL	Total
Microblades <8 mm <i>Mikroflekker</i>		1	1
Debris <i>Avslag/biter</i>	1		1
Total			2

Table 8, Artefact list, Loc. 1, 1997 investigation, feature 4 (B15677).

BK= quartz crystal FL= flint

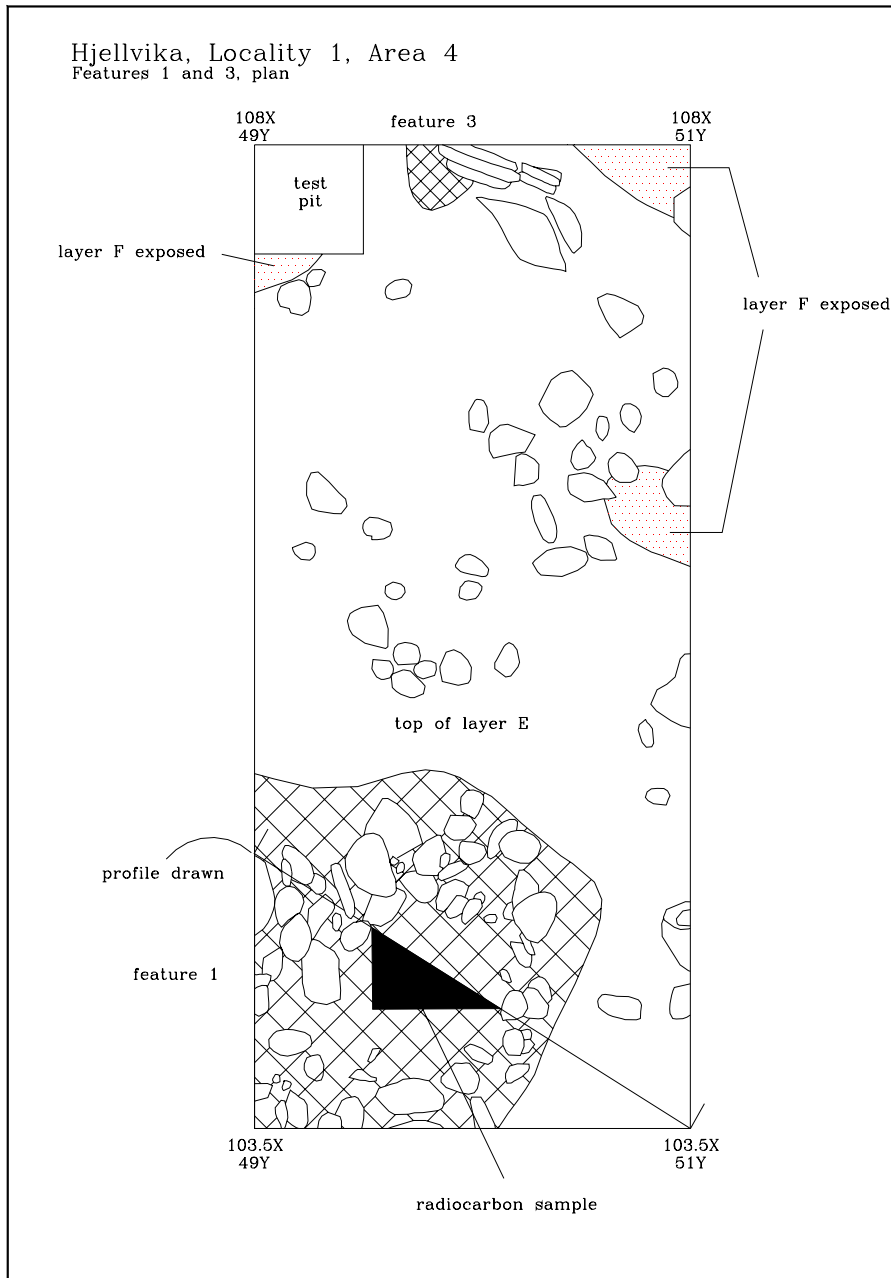


Figure 19, Hjellvika, Eika, Loc. 1, Features 1 and 3, plan.

Artefact type	BK	FL	Total
Small blades 8><12mm <i>Småflekker</i>		1	1
Debris <i>Avslag/biter</i>	2	2	4
Total			5

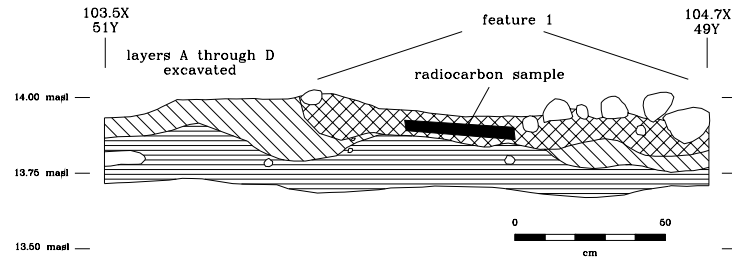
Table 9, Artefact list, Loc. 1, 1997 investigation, feature 5 (B15677).

BK= quartz crystal

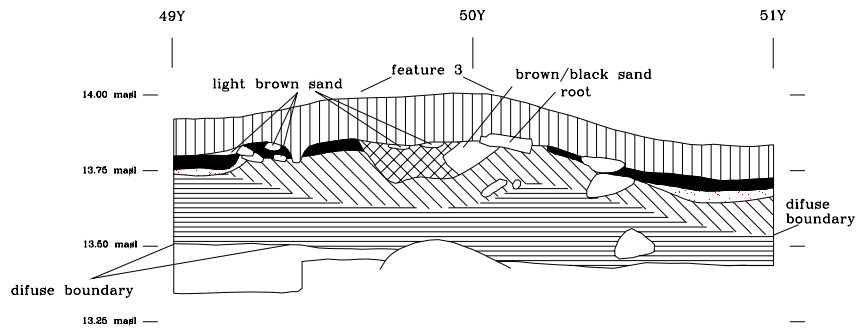
FL= flint

Hjellvika, Locality 1
Features 1 and 3, profiles

Feature 1
(see figure 12 for placement and orientation of profile section)



Feature 3
Profile along 108X, 49 to 51Y









-  Layer A: Turf and dark brown to black humus. Many roots, no stones, little to no sand/gravel.
-  Layer C: Charcoal in fine grey sand matrix with many stones and some roots.
-  Layer D: Light grey, sandy demineralized zone, many stones, much charcoal and gravel, with some roots.
-  Layer E: Red/brown sand and gravel with humus, many stones and eroded stones. Phase 2.
-  Layer F: Black fatty culture layer with stones, gravel and sand. Phase 1.
-  Layer G: Yellow to red/brown sterile sand and gravel

Figure 20, Hjellvika, Eika, Loc. 1, Features 1 and 3, profile.

Perspectives

The data collected from Loc. 1 has a research potential that goes beyond the basic goal of dating the activities that took place there. It provides a good foundation on which to apply an intra-site analysis that would illuminate the types and range of activities that took place there. Beyond this the data also has the potential to address a variety of additional research problems at both the local and regional level.

Phase 3 - Late Neolithic/Bronze Age

With regard to the the bifacially worked projectile point, the only artefact so far dated to Phase 3, it should be noted that the recovery of such single projectile points is relatively common on Stone Age localities in Western Norway. These are most often interpreted as being isolated finds. That is to say they are commonly thought to have been lost as stray arrows during a hunt. The implication of this view is that their find locations are not taken to represent hunting stations, habitation sites or the like, but rather they are considered to be essentially random places in the landscape where a hunter once passed through .

However, it is my opinion that these "isolated" projectile points can just as likely represent more extensive activities at their find locations (i.e. butchering stations hunting stations and/or habitation sites). The difficulty is that the majority of archaeological contexts where such single points are recovered have been disturbed such that one is no longer able to rely on stratigraphic analysis in order to identify which, if any, artefacts might have been deposited at the same time, much less address the nature or extent of the activities that took place.

The challenge is therefore to pursue other avenues of inquiry which might be able to shed light on this question. In particular, technological analysis of the lithics has the potential to identify chronologically diagnostic debris (i.e. bifacial reduction flakes). Furthermore, it is possible to more directly associate artefacts with each other through the use of the method of refitting. It is unfortunate that such disturbed contexts are most often considered to have minimal intrinsic value and as such they have generally been avoided as objects of technological analysis. Here the reverse is position taken, rather than ignoring or discarding data from damaged contexts altogether, it is argued that through the judicious application of technological analysis one can "recover" a good deal of the information potential from such data. While such an analysis is beyond the scope of the present investigation, the data from Hjellvika Loc. 1 is to be included in such a research program that is currently in the planning stages.

Phases 1 and 2 - Mesolithic

A study of the lithic technology of the Mesolithic assemblage also has the potential to contribute to a better understanding of the culture history of the region. The presence of several large blades, classic elements of the Middle Mesolithic and early part of the Late Mesolithic, are understood to have been struck from a particular type of core, that is to say, large conical cores. However, this type of core is in fact absent from the material that was collected. Assuming that the assemblage is representative, this implies either that the large blades were produced at another locality and brought to Hjellvika (curated), or that they were manufactured at Hjellvika and the cores were subsequently "reworked" to other core types to

produce other products and were finally exhausted and discarded as core types that bear no resemblance to their original form.

In this context it should be observed that the cores that were recovered, as well as much of the lithic debris, bear witness to extensive use of the bipolar technique in the manufacture of stone tools. It has been argued that the bipolar technique has, at times, been used as a final stage the stone tool manufacturing process, that is to say the final stage in the "life history" of a given core (cf Callahan 1987). Applying this technological model to the Hjellvika Mesolithic material thus tends to strengthen the latter of the two interpretations noted above (reworking as opposed to curation). It must, however, be stated that these two interpretations are not necessarily mutually exclusive. It is fully possible that each played a role in the formation of the assemblage. In any case, a detailed analysis of the lithic technology of this material is expected to provide a better understanding of these "alternatives" and in turn provide a basis on which to build toward higher level generalizations regarding the mobility and social/technological practices of the prehistoric inhabitants of Sunnmøre.

Returning to the question of understanding what took place specifically at Hjellvika Loc. 1, with regard to intra-site analysis, the patterned distributions evident in figures 15 and 17 (pages 25 and 29 respectively) suggest that it will ultimately be possible to identify functionally specific activity areas and in so doing, reconstruct in detail a portion of the picture of what the mesolithic occupants of the locality were doing there. While an analysis of this type cannot be undertaken in the context of the present investigation it is possible to speculate as to the directions such an analysis might take.

At the most basic level, the range of lithic debris, hammer stones, anvil stones and grinding plates recovered from the mesolithic phases indicate that the prehistoric occupants of the locality were making and no doubt using and repairing stone tools. With regard to specific tool types, the blade assemblage indicates the manufacture and use of knives as well as hunting weapons (slotted bone points inset with small blades/microblades). Scrapers, which are classically associated with skin working, indicate that activities related to the processing of the prehistoric hunters' prey took place here as well. Beyond this, the presence of drills, an adze and chisels argue for activities related to wood and/or bone working. While it is difficult to assert with any certainty precisely what wood or bone tools were manufactured, the presence of the lagoon with its particular array of fish resources makes it tempting to speculate in the direction of the production of fish traps.

Whereas the specific function of the sandstone plate knives is as yet uncertain, in the circumpolar zone similar artifacts of slate have classically been related to sea mammal hunting. Beyond this, the recovery of these knives at Loc. 1 contributes important information to ongoing studies of the typology and regional distribution of this artefact type (Bergsvik in prep., cf Bergsvik 1998a:23, 27 and 42-43, 1998b:23 and Warren 1994:170 and 174). Also at the regional scale, the presence of exotic lithic raw materials such as smoke quartz opens such lines of inquiry as tracking the sources of lithic raw materials. Information as to where and how prehistoric peoples acquired their lithic raw materials can in turn provide information on which one can address questions of territoriality, sedentism/mobility or even ethnic relations.

Additional Localities

Investigations at the remaining localities were less extensive than those at Loc. 1. The time invested in each case was evaluated against the demands of the principle investigation at Loc. 1 and it was in fact deemed necessary to cancel the investigations planned for Localities 7 and 8. No artefacts were recovered from these two localities in the course of the 1997 survey, and they were thus represented only by a set of charcoal horizons evident in the soil profile. In our experience with such localities, attempts to recover data beyond charcoal samples for radio-carbon dating involve relatively high costs and bear with them a high risk of yielding inconclusive results. In this case, even the minimum investment of radio-carbon dating the sediments was judged extravagant as measured against the expanded radio-carbon dating strategy required by unexpectedly complex stratigraphic situation discovered at Loc. 1.

Hjellvika Loc. 2 (B15678)

Loc. 2 was first identified by Gjerland as a charcoal mill. It is situated on top of a 4 to 5 m high steep sided rock outcrop (see fig. 3 page 3 and figs. 9 - 10, page 13) . It was described as a depression (max. 0.7 m deep) surrounded by a low embankment with an outer diameter of 6.5 m. A test unit revealed that the fill in the depression consisted of 20 cm of turf followed by 30 cm black charcoal rich soil with stones which in turn overlay bedrock (Gerland 1985). In the course of the 1997 survey (Gellein and Kleiva) a charcoal sample was collected and dated to 530 \pm 40 BP (T-13165). Additional investigations were undertaken at the locality in the course of this project in 1998 in order to collect information regarding its size and construction.

A trench was excavated through the depression and it was thus observed that the surface contours of the depression and embankment visible on the surface in fact followed the contours of the underlying bedrock (see fig. 21). On the basis of this information it was necessary to re-evaluate the status of the locality as a charcoal mill and the depression and embankment are here considered to be natural formations. The presence of charcoal in the depression is seen to be either the result of the natural collection of charcoal in a depression, a phenomena which was commonly observed in the course of the excavation of Loc. 1. The source of the charcoal is open to interpretation. It may be the result of natural forest fires, intentional forest clearing, or other as yet undetermined human activity.

In addition, it must be observed that 3 stone artefacts (lithic debris) were recovered from the trench excavated in 1998 (table 7). While these 3 artefacts provide a very thin basis for interpretation with regard to the activities that might have taken place here, the topographical setting in which they were found tempts speculation. The shallow basin in which they were found is well hidden on the top of the rock outcrop, it and overlooks the ocean to one side and the bog/lagoon to the other. As such it would be an ideal situation for a hunting blind.

The recovery of this material from Loc. 2 indicates that this rock outcrop was the site of human activity at some time during the stone using period. Given the hypothesis that this location could have been used as a hunting blind, and thus was not necessarily strictly shorebound, it is not reasonable to attempt to use the local shoreline displacement curve to date the locality. It is thus concluded that Loc. 2 was used at any time during the stone using

period except the earliest part of the Older Stone Age (ca 10,000 BP) at which time this locality would have been submerged. The age range for the locality is thus estimated to be somewhere within 9500 to 3000 BP.

Artefact type	FL	KS	Total
Debris Avslag/biter	1	2	3

Table 10, Artefact list, Loc. 2, 1997 investigation, overview (B15678)

FL= flint
KS= quartz

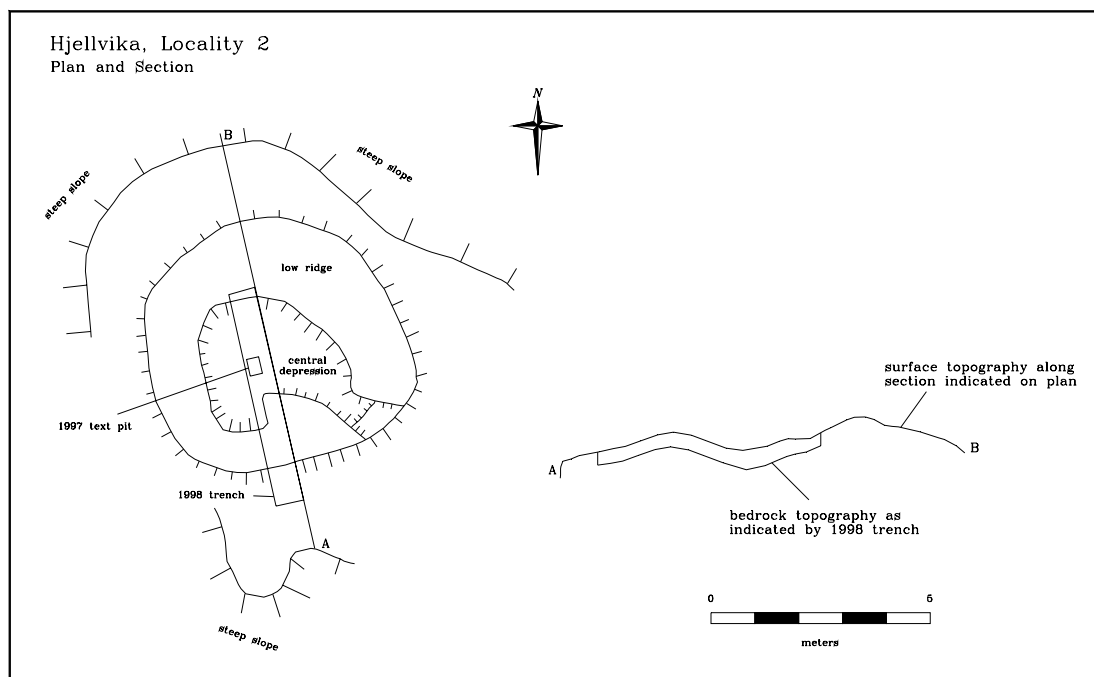


Figure 21, Hjellvika, Eika, Loc. 2, plan and profile (portions adapted from Gellein and Kleiva 1997, vedlegg 10).

Hjellvika Loc. 5

Loc. 5 was identified in the course of the 1997 survey (Gellein and Kleiva, 1997). It consists of a small charcoal mill (inner diameter 1.5 m, outer diameter 4 m) and is situated in a forest opening in the south-eastern portion of the lagoon/bog (see fig. 3, page 3 and fig. 23). A charcoal sample extracted in the course of the survey yielded a date of 310 \pm 50 BP (T13166). This places it at the transition from the Medieval period to modern times. In order to secure details of its construction a trench was excavated in 1998 and the resulting profile is presented in figure 22.

The central depression of the feature was observed to cut through a red/brown sandy humus and the fill consisted of charcoal. A lense of ash was also observed in the central portion of the depression. The trench confirmed the observations made earlier with regard to the diameter of the feature and supplemented them with an indication of its maximum depth being 40 cm.

The only artefact recovered was a leather hatchet case, this being found at the bottom of the turf/bog along the top of the low ridge encircling the depression. The condition of this artefact suggests that it is of recent origin and it is considered to have been lost by someone who traversed the path which passes by and partially over the charcoal mill.

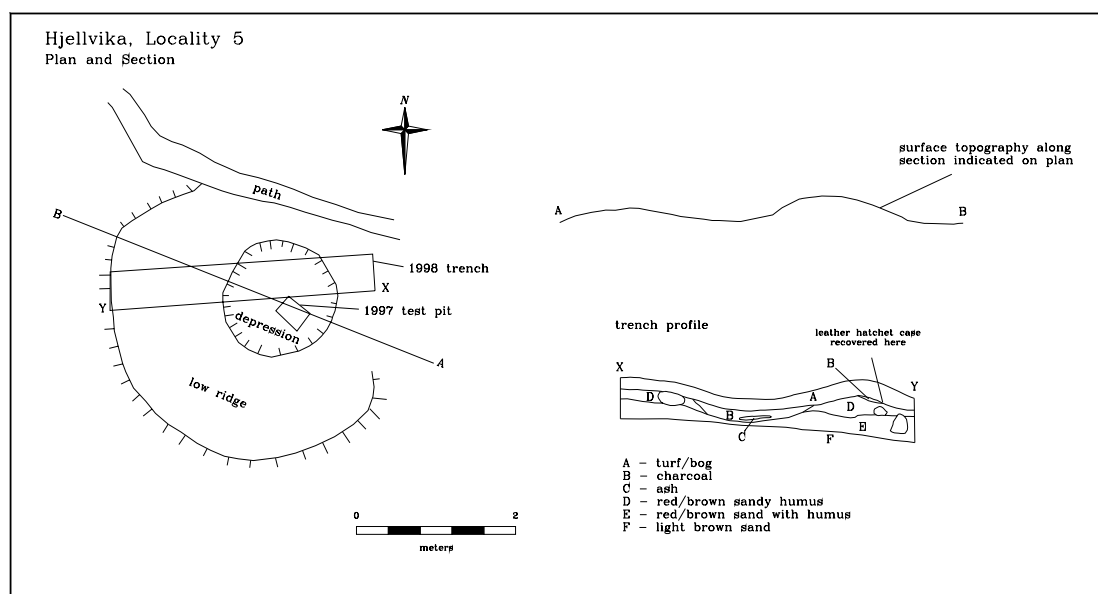
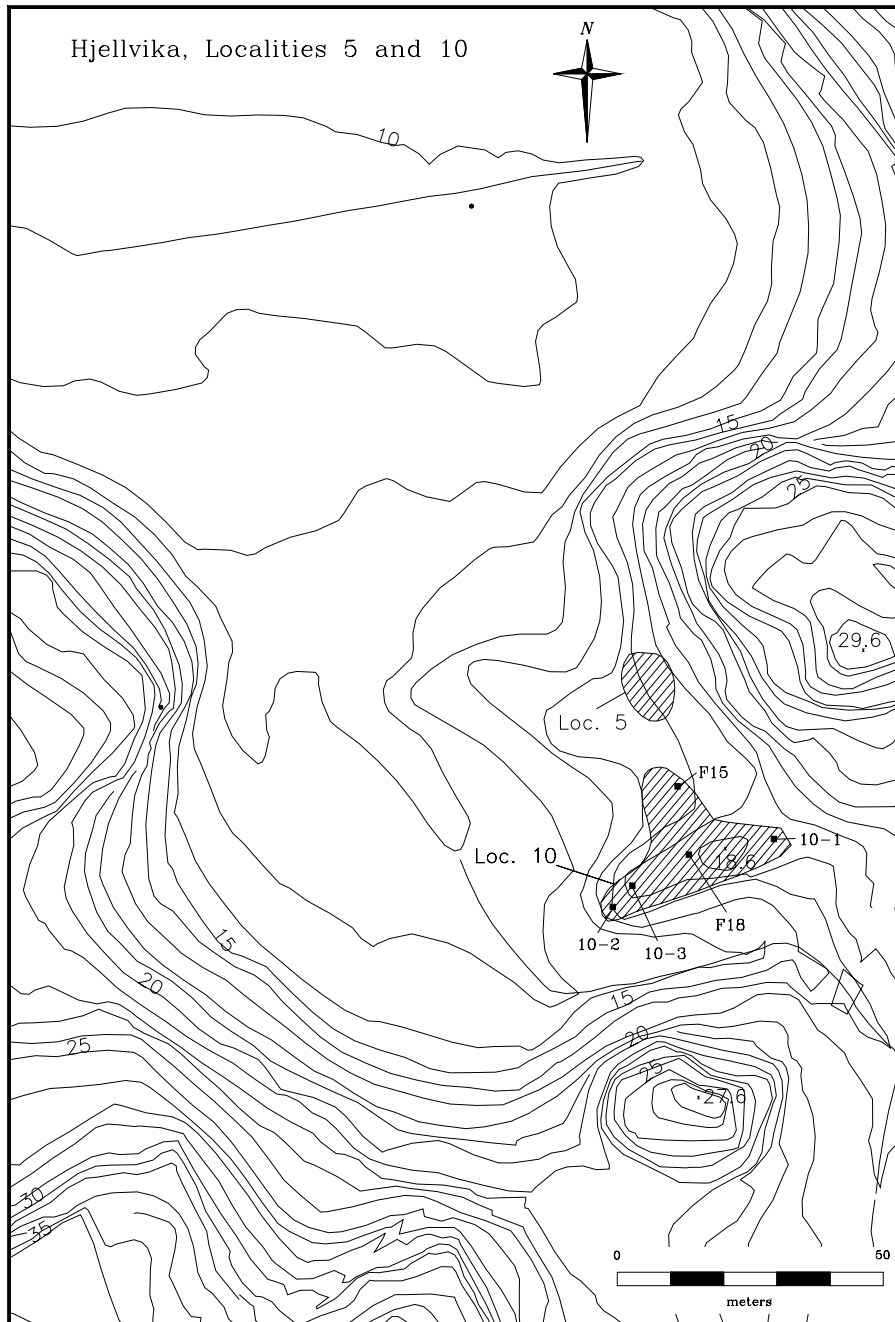


Figure 22, Hjellvika, Eika, Loc. 5, plan and profile
(portions adapted from Gellein and Kleiva 1997, vedlegg 13).



*Figure 23, Hjellvika, Eika, Localities 5 and 10, overview.
 Note that some of the elevations are incorrect (see footnote 1, page 1).*

Hjellvika Loc. 10 (B15679)

Locality 10 was identified by Gellein and Kleiva (1997) on the basis of the recovery of a piece of water rolled flint from a test unit on a ridge of bedrock along the south-western edge of the bog/lagoon as well as the observation of a charcoal horizon along the bottom of the bog deposit near this ridge (see fig. 22, page 43). A charcoal sample extracted in the course of the survey (test unit F17, from the charcoal horizon below the ridge) yielded a date of 2350 \pm 70 BP (T13167).

During the 1998 investigation an additional 3 test units were excavated on the rocky ridge and two of these revealed evidence of prehistoric human activity. The test at the end of the ridge, directly overlooking the bog/lagoon, and the test at the base of the slope of the hill to the east of the ridge yielded one piece of lithic debris of flint each.

The stratigraphy of Loc. 10 was variable, with each of the test units providing a different sequence of layers (see fig. 23). Flint was recovered from 15 to 20 cm deep in sandy turf (unit 10-1) and from 35 to 40 cm deep in a fine silt (unit 10-2). While these results confirm that prehistoric human activity took place here, dating the locality remains a problem. Neither of the artefacts recovered were in any way chronologically diagnostic. Therefore on the basis of the artefacts alone the locality can be dated generally to the stone using period (ca. 10,000 BP to 3000 BP). However, taking account of the local topography it is likely that the site dates from one or the other extreme of this range. That is to say, if the site can be assumed to have been shore bound it likely dates to ca. 10,000 BP but if it is not assumed to have been shore bound it likely dates to the end of the stone using period, or ca 3500 to 3000 BP (see also discussion on page 4 to 6 above). The radio-carbon date of 2350 \pm 70 BP (T13167) clearly post dates this Stone Age activity thus indicating that the locality has been experienced more than one phase of occupation/use. A minimum estimate of the localities area (both phases combined) is 440 m². Alternatively, the charcoal horizon from which this sample was extracted may be the result of natural agencies (forest fire).

Artefact type	FL	Total
Debris Avslag/biter	2	2

Table 11, Artefact list, Loc. 10, 1997 investigation, overview (B15679)

FL= flint

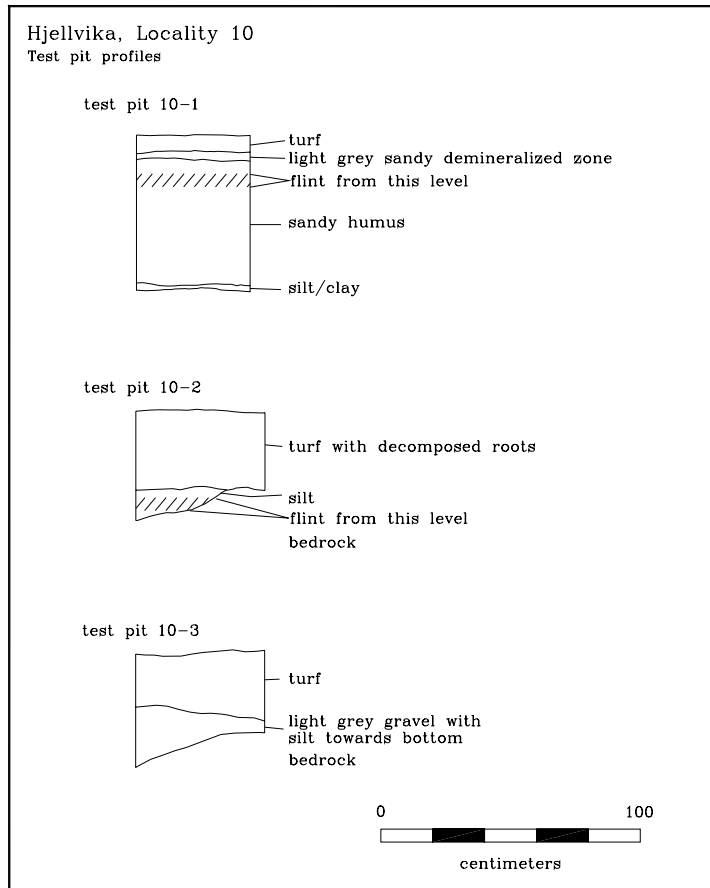


Figure 24, Hjellvika, Eika, Loc. 10, test unit profiles.

Hjellvika Loc. 11 (B15680)

Loc. 11 was discovered in 1989 in the course of delimiting the extent of Loc. 1. It is situated on a terrace immediately to the north of and 1 to 2 m lower than Loc. 1 (figs. 9 and 10, page 13). The coordinate system established on Loc. 1 was extended to incorporate Loc. 11 (see discussion on page 12). Investigation of the locality was limited to the excavation of test units and the excavation of the test units proceeded in the same manner as described for Loc. 1 (see discussion on pages 14 to 15). Note that the positioning of the test units as presented in figures 9 and 10 (page 13) is approximate (estimated error +/- 1 m) and that their correct locations will be presented in a forthcoming report (Simpson in prep).

On the basis of test units and local topography it is estimated to extend over an area of ca. 280 m². Artefacts were recovered from a 15 to 30 cm thick culture layer which lay under 15 to 20 cm turf and over archaeologically sterile subsoil (sand/gravel/stones in variable combinations).

Recoveries consisted of 273 artefacts of a variety of raw material types (table 9). Chronologically diagnostic material included lithic debris of slate and rhyolite. The presence of slate and rhyolite indicate an age range within the Early Neolithic (5200 BP to 4700 BP) or possibly the Middle Neolithic (4700 BP to 3800 BP). It is noted that the chert appears similar to a type of lithic material found in the Skatestraumen region which was most

commonly employed in the Early Neolithic. This age range is consistent with a date based on shoreline displacement curves.

In this period the bog/lagoon would have been either flushed with fresh water or may have advanced as far as having been overgrown by terrestrial bog (fig. 8, page 9). Little can be said as yet regarding the activities that took place here, however it appears to be a habitation site which parallels Loc. 1 in terms of site function - manufacture/ maintenance/use of stone tools and abase station related to hunting/fishing/gathering activities. As noted above, additional excavations are planned for this locality and these are expected to provide a basis for further interpretation.

Artefact type	BA	BK	CH	FL	HA	KS	KT	RY	SK	SS	Total
Blades >12 mm <i>Vanlige flekker</i>				1							1
Flakes from ground artefact (non-flint) <i>Avslag av slipt bergartgjenstand</i>	3										3
Debris <i>Avslag/biter</i>		26	3	166	1	14	23	1	29	1	264
Bipolar cores <i>Bipolare kjerner</i>		1		3							4
Debris with other (non-spec.) retouch <i>Avslag m/ annen retusj</i>				1							1
Total											273

Table 12, Artefact list, Loc. 11, 1997 investigation, overview (B15680)

* all fragments fit to one knife

BA= coarse grained volcanic	FL= flint	KT= quartzite	SS= sandstone
BK= quartz crystal	HA= other struck material	RY= Rhyolite (Bomlø)	
CH= chert	KS= quartz	SK= slate	

Summary

In the course of the project 5 localities were investigated, Hjellvika Loc. 1, 2, 5, 10 and 11. These were all situated in the vicinity of a bog which would earlier have been a body of fresh water as well as a salt water lagoon. This topographic feature is seen as having been important in terms of the localisation of the localities.

Loc. 1, a stratified multi-component locality, was the principle object of focus. The locality is estimated to extend over an area of 290 m² with a core area of 35 m². Of this 21.75 m² was excavated to completion. A total of 5130 artefacts were recovered and 3 principle phases of occupation were identified:

Phase	Features	Age Range	Period
1	stone concentrations	8000 – 6500 BP (6920+/-80 BP, Beta 123829) (7190+/-60 BP, Beta 123832)	Middle/Late Mesolithic
2		6500 – 5200 BP	Late Mesolithic
3		3850 – 3350 BP	Late Neolithic/Bronse Age

Table 13, Hjellvika, Loc. 1, phase summary

In addition, a number of intrusive features indicate also sporadic use of the locality in later periods:

Feat. Nr.	Feature Type	Age Range	Period
1	hearth	2139+/-50 BP (Beta 123828)	pre-Roman Iron Age
3	hearth	younger than 3500 BP	
4	humus fulled depression	younger than 320 BP	recent
5	hearth/cooking pit	950+/-50 BP (Beta 123830)	Mideval

Table 14, Hjellvika, Loc. 1, post-Stone Age feature summary

The investigations at Hjellvika Loc. 1 have already contributed to a better understanding of the culture history of the region and the data recovered has the potential to play an important role in a variety current research topics.

With regard to the remaining localities, Loc. 2, which was first interpreted as a charcoal mill, has now been redefined as a site of Stone Age activity. On the basis of local topography it is considered likely to be a hunting blind. The investigation has confirmed Loc. 5 as a small charcoal mill dating to the transition from the Mideval period to modern times (310+/-50 BP, T13166). Loc. 10 has been established as a Stone Age locality, dating likely either to the Early Mesolithic (ca 10,000 BP) or to the end of the stone using period (ca 3500 to 3000 BP). In addition there is evidence that it may have been in use again after the end of the Stone Age (2350+/-70 BP, T13167). Loc. 11 is a newly discovered locality that has been dated on the basis of the types of lithic raw material recovered, as well as shoreline displacement curves to the Early and/or Middle Neolithic. Additional investigations planned at Loc. 11 are expected to provide a better foundation on which to draw further interpretations.

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Appendix 1: Chronological Framework and Radio-carbon Date Overview.

Period	C ¹⁴ age BP*	Calender age
Early Mesolithic (<i>Tidligmesolittikum</i>)	10000 - 9000	9200 - 8050 BC
Middle Mesolithic (<i>Mellommesolittikum</i>)	9000 - 7500	8050 - 6400 BC
Late Mesolithic (<i>Senmesolittikum</i>)	7500 - 5200	6400 - 4000 BC
Early Neolithic (<i>Tidligneolittikum</i>)	5200 - 4600	4000 - 3300 BC
Middle Neolithic (<i>Mellommeolittikum</i>)	4600 - 3800	3300 - 2400 BC
Late Neolithic (<i>Senneolittikum</i>)	3800 - 3500	2400 - 1800 BC
Early Bronze Age (<i>Eldre Bronsealder</i>)	3500 - 2900	1800 - 1000 BC
Late Bronze Age (<i>Yngre Bronsealder</i>)	2900 - 2500	1000 - 500 BC
Pre-Roman Iron Age (<i>Førromerskjernalder</i>)	2440 - 2010	500 BC - 1 AD
Roman Iron Age (<i>Romertid</i>)	2010 - 1680	1 - 400 AD
Migration Period (<i>Folkevandringstid</i>)	1680 - 1500	400 - 570 AD
Merovinge Period (<i>Merovingertid</i>)	1500 - 1210	570 - 800 AD
Viking Age (<i>Vikingtid</i>)	1210 - 1050	800 - 1000 AD
Medieval period (<i>Middelalder</i>)	1050 - 320	1000 - 1537 AD

* Precise placement of several period transitions is currently under debate. This summary draws upon data from numerous sources as well as the authors own interpretations.

Lab. sample nr.	Project sample nr.	C ¹⁴ age BP*	Calender age**	Layer/context
Beta-123828	Eiksund-RC-2	2139+/-50	BC 355 to 290 and BC 230 to 20	-Loc. 1, 104X49Y, feature 1, hearth - sample depth 13 - 18 cm below surface -charcoal, not identified as to species -weight before chemical cleaning 23.5 gm -final carbon content not reported -standard radiometric analysis
Beta-123829	Eiksund-RC-5	6920+/-20	BC 5959 to 5606	- Loc. 1, 105X50Y, NE quad, layer F/G6 - sample depth 55 to 60 cm below surface -charcoal, not identified as to species -weight before chemical cleaning 8.5 gm -final carbon content not reported -standard radiometric analysis
Beta-123830	Eiksund-RC-7	950+/-50	AD 1000 to 1215	-Loc. 1, 98X49Y, NE quad, feature 5, cooking pit -charcoal, not identified as to species -weight before chemical cleaning 59.5 gm -final carbon content reported -standard radiometric analysis
Beta-123831	Eiksund-RC-8	2760+/-70	BC 1045 to 800	-Loc. 1, 105X48Y, NE quad, layer D2 -sample depth 20 to 25 cm below surface -charcoal, not identified as to species -weight before chemical cleaning 14.6 gm -final carbon content reported -standard radiometric analysis
Beta-124832	Eiksund-RC-10	7190+/-60	BC 6145 to 5945	-Loc. 1, 109X49Y, SE quad, layer F5, midden area - sample depth 56 to 63 cm below surface -charcoal, not identified as to species -weight before chemical cleaning 6.8 gm -final carbon content reported -standard radiometric analysis

* single sigma, that is to say, 68% probability that the true age falls within the stated range

** two sigma, that is to say, 95% probability that the true age falls within the stated range

Dating results from 1997 survey:

Lab. sample nr.	Project reference	Material	Dated fraction	C ¹⁴ age BP*	Calendar age*
T-13165	Ø7, loc. 2, Sundet Eika, Ulstein Møre og Romsdal	charcoal, deciduous tree (løvtre)	4.8 g	530+/-40	AD 1400-1435
T-13166	Ø8, loc. 5, Sundet Eika, Ulstein Møre og Romsdal	charcoal, pine (furu)	4.3 g	310+/-50	AD 1510-1655
T-13167	F17, lag 5, lok. 10? , Sundet Eika, Ulstein Møre og Romsdal	charcoal, alder (or)	3.1 g	2350+/-70	BC 415-375
T-13168	F3, lag 2, lok. 3, Sundet Eika, Ulstein Møre og Romsdal	charcoal, pine (furu)	5.7 g	2415+/-55	BC 755-400

* single sigma, that is to say, 68% probability that the true age falls within the stated range

Appendix 2, Photo List

Film 1 - 200 ASA dias (Fuji)

Nr Motiv	Mot	Sign.	Dato
1 Hjellvika Lok. 1, oversikt for avtorving	N	DNS	28/8-98
2 Hjellvika Lok. 1, oversikt for avtorving	N	DNS	28/8-98
3 Hjellvika Lok. 1, oversikt for avtorving	Ø	DNS	28/8-98
4 Hjellvika Lok. 1, oversikt for avtorving - fra "skogkant"	S	DNS	28/8-98
5 Hjellvika Lok. 1, oversikt for avtorving -NV del av lok. I skogen	NV	DNS	28/8-98
6 Hjellvika Lok. 1, oversikt for avtorving	V	DNS	28/8-98
7 Hjellvika Lok. 1, oversikt for avtorving	V	DNS	28/8-98
8 Hjellvika Lok. 1, oversikt under/etter avtorving	NV	DNS	1/9-89
9 Hjellvika Lok. 1, Felt 3 etter avtorving	V	DNS	1/9-89
10 Hjellvika Lok. 1, Felt 4, S. del m/struktur 1, etter gravn. av lagene C + D	V	DNS	3/9-98
11 Hjellvika Lok. 1, Felt 4, S. del m/struktur 1, etter gravn. av lagene C + D	V	DNS	3/9-98
12 Hjellvika Lok. 1, Felt 4, S. del m/struktur 1, etter gravn. av lagene C + D	V	DNS	3/9-98
13 Hjellvika Lok. 1, Felt 4, N. del, etter gravn. av lagene C + D	V	DNS	3/9-98
14 Hjellvika Lok. 1, Felt 4, N. del, etter gravn. av lagene C + D	V	DNS	3/9-98
15 Hjellvika Lok. 1, Felt 4, N. del, etter gravn. av lagene C + D	V	DNS	3/9-98
16 Hjellvika Lok. 1, Felt 4, S. del m/struktur 1, etter gravn. av lagene C + D	N	DNS	3/9-98
17 Hjellvika Lok. 1, Felt 4, S. del m/struktur 1, etter gravn. av lagene C + D	N	DNS	3/9-98
18 Hjellvika Lok. 1, Felt 4, S. del m/struktur 1, etter gravn. av lagene C + D	N	DNS	3/9-98
19 Hjellvika Lok. 1, Felt 4, oversikt m/struktur 1, etter gravn. av lagene C + D	N	DNS	3/9-98
20 Hjellvika Lok. 1, Felt 4, oversikt m/struktur 1, etter gravn. av lagene C + D	N	DNS	3/9-98
21 Hjellvika Lok. 1, Felt 4, oversikt m/struktur 1, etter gravn. av lagene C + D	N	DNS	3/9-98
22 Hjellvika Lok. 1, Felt 4, N. del m/ struktur. 2, etter gravn. av lag E, merk slipe plate fragment mot Vest	N	DNS	3/9-98
23 Hjellvika Lok. 1, Felt 4, N. del m/ struktur. 2, etter gravn. av lag E, merk slipe plate fragment mot Vest	N	DNS	3/9-98
24 Hjellvika Lok. 1, Felt 4, N. del m/ struktur. 2, etter gravn. av lag E, merk slipe plate fragment mot Vest	N	DNS	3/9-98
25 Hjellvika Lok. 1, Felt 4, oversikt m/ struktur 2, etter gravn. av lag E, merk slipe plate fragment mot Vest	N	DNS	3/9-98
26 Hjellvika Lok. 1, Felt 4, oversikt m/ struktur 2, etter gravn. av lag E, merk slipe plate fragment mot Vest	N	DNS	3/9-98
27 Hjellvika Lok. 1, Felt 4, oversikt m/ struktur 2, etter gravn. av lag E, merk slipe plate fragment mot Vest	N	DNS	3/9-98
28 Hjellvika Lok. 1, Felt 4, oversikt m/ struktur 2, etter gravn. av lag E, merk slipe plate fragment mot Vest, profil renset	N	DNS	4/9-98
29 Hjellvika Lok. 1, Felt 4, oversikt m/ struktur 2, etter gravn. av lag E, merk slipe plate fragment mot Vest, profil renset	N	DNS	4/9-98
30 Hjellvika Lok. 1, Felt 4, str. 1 etter gravn. lag E (untatt 103X 49-50Y), for snitting	V	DNS	5/9-98
31 Hjellvika Lok. 1, Felt 4, str. 1 etter gravn. lag E (untatt 103X 49-50Y), for snitting	V	DNS	5/9-98
32 Hjellvika Lok. 1, Felt 4, str. 1 etter gravn. lag E (untatt 103X 49-50Y), for snitting	V	DNS	5/9-98
33 Hjellvika Lok. 1, str. 1, snitt, før tomning av fyllmassen	SSØ	DNS	11/9-98
34 Hjellvika Lok. 1, str. 1, snitt, før tomning av fyllmassen	SSØ	DNS	11/9-98
35 Hjellvika Lok. 1, str. 1, snitt, etter tomning av fyllmassen	SSØ	DNS	11/9-98
36 Hjellvika Lok. 1, str. 1, snitt, etter tomning av fyllmassen	SSØ	DNS	11/9-98

Film 2 - 200 ASA dias (Fuji)

Nr	Motiv	Mot	Sign.	Dato
	1 feltassistenter i telt	S	DNS	15/9-98
	2 Hjellvika Lok. 1, str. 5, etter fjern. av torv/humus i grøft	Ø	DNS	15/9-98
	3 Hjellvika Lok. 1, str. 5, etter fjern. av torv/humus i grøft - i nivå m/ lag E topp	Ø	DNS	15/9-98
	4 Hjellvika Lok. 1, str. 5, etter fjern. av torv/humus i grøft - i nivå m/ lag E topp	Ø	DNS	15/9-98
	5 Hjellvika Lok. 1, str. 4, profil, langs 108X 49-51Y	N	DNS	15/9-98
	6 Hjellvika Lok. 1, str. 4, profil, langs 108X 49-51Y	N	DNS	15/9-98
	7 Hjellvika Lok. 1, str. 4, profil, langs 108X 49-51Y	N	DNS	15/9-98
	8 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - oversikt	N	DNS	17/9-98
	9 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - oversikt	N	DNS	17/9-98
	10 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - oversikt	N	DNS	17/9-98
	11 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - etter fjerning av toppstein - oversikt	N	DNS	17/9-98
	12 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - etter fjerning av toppstein - oversikt	N	DNS	17/9-98
	13 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - etter fjerning av toppstein - oversikt	N	DNS	17/9-98
	14 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - etter fjerning av toppstein - oversikt	S	DNS	17/9-98
	15 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - etter fjerning av toppstein - oversikt	S	DNS	17/9-98
	16 Hjellvika Lok. 1, str. 6 (steinrydning i N sjakt) - etter fjerning av toppstein - oversikt	S	DNS	17/9-98
	17 Hjellvika Lok. 1, oversikt fra Lok. 2	V	DNS	18/9-98
	18 Hjellvika, Myr/lagun fra Lok. 1	SØ	DNS	18/9-98
	19 Hjellvika, Myr/lagun fra Lok. 1	SØ	DNS	18/9-98
	20 Hjellvika Lok. 1 (bak teltet og t.v.) og Lok. 2 (på knaus t.h.) - fra tunnel ingang mellom Lok. 7 of 8	N	DNS	18/9-98
	21 Hjellvika Lok. 1 (bak teltet og t.v.) og Lok. 2 (på knaus t.h.) - fra tunnel ingang mellom Lok. 7 of 8	N	DNS	18/9-98
	22 Hjellvika Lok. 11 (del) fra Lok. 1	NØ	DNS	18/9-98
	23 Hjellvika Lok. 1 (forgrun) og Lok. 2 på knausen (bak)	ØNØ	DNS	18/9-98
	24 Hjellvika Lok. 1 (forgrun) og Lok. 2 på knausen (bak)	ØNØ	DNS	18/9-98
	25 Hjellvika Lok. 1 (forgrun) og Lok. 2 på knausen (bak)	ØNØ	DNS	18/9-98
	26 Hjellvika S del av Lok. 1 (dyrket skråning) og Lok. 2 (på knaus t.v.) med myr/lagun (bak t.h.)	SØ	DNS	18/9-98
	27 Hjellvika S del av Lok. 1 (dyrket skråning) og Lok. 2 (på knaus t.v.) med myr/lagun (bak t.h.)	SSØ	DNS	18/9-98
	28 Hjellvika Lok. 8 (t.v. for knaus/tunnel ingang) og Lok. 7 (t.h. for knaus/tunnel ingang) - tatt fra myrkant S for Lok.1+2	SSV	DNS	18/9-98

Film 3 - Digital opptak - Nikon 950

Nr	Motiv - tall antyder felt id. nr. (fnr) ikke tilvekst kat. nr.	Sign.
	DSCN0002 flekker-1268, 928, 1158, 1335	DNS
	DSCN0003 ret.gjen (type ?)-998, flatret.pil-1248, borspisser-924, 1280, 1113, 1300, 935	DNS
	DSCN0004 meisler-1213, 604, 644	DNS
	DSCN0005 platekniv-121/149	DNS
	DSCN0006 slipeplater, trekant tversnitt-603, 719/723/724	DNS
	DSCN0007 slipeplate-1206	DNS
	DSCN0008 flatret.pil-1248	DNS
	DSCN0009 ret.gjen (type?) nærbilde - ventral side-998	DNS
	DSCN0010 ret.gjen (type?) nærbilde - dorsal side-998	DNS
	DSCN0011 knakke-/amboltstein (knakkest. til bipolar kj)-1536, bipolar kj.-1365	DNS

Appendix 3, Artefact List - Field Headings and Code Descriptions

Artefact list, field heading descriptions.

ruteX	X coordinate
ruteY	Y coordinate
kvad	Quadrant
gravlag	Excavation layer
korrlag	Correlated layer
fase	Phase
struk	Feature number
fnr	Artefact number (field id/løpenr.)
Bnr	Artefact number (<i>Tilvekst</i> catalogue)
type	Tool type (see below)
del	Tool part (see below)
mattyp	Raw material type (see below)
matfar	Raw material colour (see below)
matkrn	Raw material grain size (see below)
thermalt	Thermal alteration (see below)
ant	Number of pieces
liter	Number of liters per excavation unit
lagtykkcm	Layer thickness in cm
kommentar	Comments

Raw material (mattyp)

AN	Other
BA	Other basaltic
BG	Greenstone
BK	Quartz crystal
CH	Chert
FL	Flint
HA	Other struck material
KS	Quartz
KT	Quartzite
PS	Pumice
RK	Smoke quartz
RY	Rhyolite (Siggjo)
SK	Slate
SS	Sandstone

Raw material colour (matfar)

BL	Blue
BR	Brown
GA	Grey
GN	Green
HV	White
RD	Red

Raw material grain size (matkrn)

F	Fine
M	Medium
G	coarse

Raw material thermal alteration (thermalt)

BR	burned
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Tool types (type)

01.1.1	Blades >12 mm	Vanlige flekker > 12mm
01.1.2	Small blades 8<<12mm	Småflekker 8 << 12mm
01.1.3	Microblades <8 mm	Mikroflekker <8mm
01.2.1	Crested blades	Ryggflekker
01.2.2	Plunged blades	Overløpende flekker
01.2.4	Platform reduction flake	Plattform avslag
01.2.5	Other/non-specific core fragments	Andre/ubest. særlige kjernefragmenter
01.3.2	Flakes from ground artefact (non-flint)	Avslag av slipt bergartgjenstand
01.5.0	Debris – flakes/blocks/knapping fragments	Avslag/biter/splint
01.5.1	Debris – flakes	Avslag
01.5.2	Debris – blocks	Biter
01.5.3	Debris – knapping fragments	Splint
01.6.1	Debris struck from side of flake adze	Sideavspaltning fra skiveøks
01.6.2	Burin spalls	Stikkelavspaltning
01.6.3	Blade-like flakes	Flekkelignende avslag
02.1.1	Conical cores	Koniske kjerner
02.1.3	Handle cores	Håndtakskjerner
02.1.4	Single face core with one platform	Ensidig kjerner med en plattform
02.2.2	Single face core with two platforms	Ensidige kjerner med to plattformer
02.2.3	Other cores with two platforms	Andre kjerner med to plattformer
02.3.0	Bipolar cores	Bipolare kjerner
02.5.0	Non.spec. core fragments	Ubestembar kjerne fragment
04.2.1	Ground adzes with round/oval cross-section	Slipte trinnøkser
04.6.1	Chisels with biconvex cross-section	Tosidige flatovale meisler
08.3.1.2	Plate knives - concave edge, irreg. form	Platekniver m/slipt egg - konkav egg, uregelmessig form
08.3.1.3	Plate knives - non-spec. edge fragment	Platekniver m/slipt egg - ubestembart egg fragment
08.3.4	Non-spec. plate knife fragments	Ubestembart platekniv fragmenter (slipe plate fragmenter?)
09.4.1	Bifacially worked projectile points - leaf shaped	Bladformete overfl.retusj. spisser
09.5.1	Flake drills	Avslagsborspisser
09.5.2	Blade drills	Flekkeborspisser
09.5.3	Core drills	Kjerneborspisser
11.2.1	End scrapers on flake	Endeskrapere på avslag
11.2.2	End scrapers on blade	Flekkeskrapere
11.4.0	Other (non-spec.) scrapers	Andre skrapere
12.1.7	Debris with other (non-spec.) retouch	Avslag m/ annen retusj
12.2.1.6	Blades with other (non-spec.) retouch	Vanlige flekker m/ annen retusj
12.2.2.3	Small blades with slanting end retouch	Småflekker m/ skrå enderetusj
12.2.2.6	Small blades with other (non-spec.) retouch	Småflekker m/ annen retusj
12.2.3.4	Microblades with straight end retouch	Mikroflekker m/rett enderetusj
12.2.3.6	Microblades with other (non-spec.) retouch	Mikroflekker m/ annen retusj
12.5.2	Plunged blades with retouch	Overløpende flekke med og retusj
12.5.3	Plunged crested blades with retouch	Overløpende ryggflekke med retusj
13.1.0	Flake burins	Avslagsstikler
15.1.0	Grinding plates	Slipeplater
15.2.1	Hammerstones	Knakkesteiner
15.2.3	Hammerstone/ anvil stone (for bipolar core?)	Knakke- og/eller amboltsteiner (knakkest. til bipolar tekn.?)
15.5.1	Pumice with groove	Pimpstein m/ slipespor
15.5.2	Pumice without groove	Pimpstein uten slipespor
96.0.0	Other artefacts	Andre gjenstander
97.0.0	Flint nodules	Flint knoller

Appendix 4, Artefact Lists

Hjellvika Lok. 1, B15677

routeX	routeY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	matfyr	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
95	46	NV	1b	B	usik		1	80	12.2.2.6	M	FL			1	12		retusj langs kantene (bruksretusj)
95	46	NV	1b	B	usik		2	86	01.5.1		FL			1	14		
99	49	NØ	a	A	usik		3	86	01.5.1		FL			1	14		
99	49	NØ	a	A	usik		4	86	01.5.2		FL			1	14		vannrullet
99	49	NØ	a	A	usik		5	82	12.1.7		FL			1	14		vannrullet, m/korteks
99	49	NØ	1b	B	usik		6	86	01.5.1		BK			2	14		
99	49	NØ	1b	B	usik		7	86	01.5.1		FL			1	14		
99	49	NØ	1b	B	usik		8	86	01.5.1		KT	HV	G	3	14		
99	49	NØ	2b	B	usik		9	86	01.5.1		BK			1	12		
99	49	NØ	2b	B	usik		10	86	01.5.1		KT	HV	F	1	12		
99	49	NØ	2b	B	usik		11	86	01.5.1		FL			3	12		
99	49	NØ	3c	E	2		12	55	01.5.1		BK			1	13		
99	49	NØ	3c	E	2		13	55	01.5.1		KT	HV	F	2	13		
99	49	NØ	3c	E	2		14	55	01.5.1		FL			1	13		
99	49	NØ	3c	E	2		15	55	01.5.1		KT	HV	G	1	13		
99	49	NØ	4c	E	2		16	55	01.5.1		KT	HV	F	1	12		
99	49	NØ	4c	E	2		17	55	01.5.1		KT	HV	G	1	12		
99	49	NØ	5c	E	2		18	55	01.5.1		FL			1	10		
99	49	NØ	6c	E	2		19	55	01.5.1		FL			2	8		
99	49	NØ	9d	str7	1	7	20	27	01.5.1		BK			1	10		bipolar kj. frag?
99	49	NØ	9d	str7	1	7	21	27	01.5.1		FL			1	10		
99	49	NØ	10d	str7	1	7	22	19	12.1.7		FL			1	7		naturlig avspaltninger?

rateX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
99	49	NØ	10d	str7	1	7	23	7	13.1.0	H	FL				1	7		*dobbel stikkel på bipolar kj.!!
99	49	NØ	11d	str7	1	7	24	27	01.5.1		FL				3	6		1 brent, 1 m/korteks
100	45	NV	1a	A	usik		25	71	02.3.0	H	KT	HV	F		1	14		*laminert kvartsitt, Lærdals?
100	45	NV	2b	A/B	usik		26	86	01.5.1		KS	HV	F		1	14		
100	49	NØ	A	A	usik		27	86	01.5.1		BK				3	22		
100	49	NØ	A	A	usik		28	86	01.5.1		KS	HV	F		1	22		
100	49	NØ	A	A	usik		29	71	02.3.0		FL				1	22		*spes. type, "kvadratisk", slått langs 2 akser , dvs 4 plattform - med korteks
100	49	NØ	A	A	usik		30	68	02.1.4		FL				1	22		*velding liten - spesiell type
100	49	NV	A	A	usik		31	86	01.5.1		BK				1	24		
100	49	NV	A	A	usik		32	86	01.5.1		FL				3	24		
100	49	NV	A	A	usik		33	86	01.5.1		KS	HV	G		1	24		BK?
100	49	SV	A	A	usik		34	86	01.5.1		BK				1	26		
100	49	SV	A	A	usik		35	86	01.5.2		BK				1	26		
100	49	SV	A	A	usik		36	86	01.5.1		FL				3	26		
100	49	NØ	E	E	2		37	55	01.5.1		BK				1	24		
100	49	NØ	E	E	2		38	55	01.5.1		FL				3	24		1 brent med korteks
100	49	NØ	E	E	2		39	49	01.1.3	P	FL				1	24		
100	49	NV	E	E	2		40	55	01.5.1		BK				1	45		
100	49	NV	E	E	2		41	55	01.5.1		FL				7	45		
100	49	NV	E	E	2		42	37	02.3.0	F	KS	HV	G		1	45		
100	49	SV	E	E	2		43	55	01.5.1		FL				10	38		
100	49	SV	E	E	2		44	55	01.5.2		FL				1	38		
100	49	SV	E	E	2		45	55	01.5.2		BK				1	38		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
100	49	SV	E	E	2	46	12.1.7	KT	HV	F							1	38		bruksretusj
100	49	SV	E	E	2	47	01.1.3	PM	BK								1	38		
100	49	SV	E	E	2	48	01.1.3	PM	BK								1	38		nesten hel
100	50	NØ	A	A	usik	49	01.5.1	BK									7	36		noen kvarts?
100	50	NØ	A	A	usik	50	01.5.1	FL									2	36		
100	50	NØ	A	A	usik	51	01.5.1	KS	HV	F							1	36		
100	50	NØ	A	A	usik	52	01.1.3	D	FL								1	36		
100	50	NØ	A	A	usik	53	09.5.2	D	FL								1	36		* fin, "propel" retusj
100	50	NV	A	A	usik	54	01.5.1	KT	HV	F							1	28		nb, ikke såldet
100	50	NØ	D/C	usik	usik	55	01.5.1	BK									4	28	2-15	
100	50	NØ	D/C	usik	usik	56	01.5.1	KS	HV	G							8	28	2-15	
100	50	NØ	D/C	usik	usik	57	01.5.1	FL									17	28	2-15	2 vannrullet
100	50	NØ	D/C	usik	usik	58	01.5.1	KT	HV	F							1	28	2-15	
100	50	NØ	D/C	usik	usik	59	01.5.2	BK									1	28	2-15	
100	50	NØ	D/C	usik	usik	60	02.3.0	F	KT	HV	F						1	28	2-15	
100	50	NØ	D/C	usik	usik	61	01.1.1	PM	FL								1	28	2-15	med bruksretusj/skader langs en kant
100	50	NV	D/C	usik	usik	62	01.5.1	BK									10	22	0-14	
100	50	NV	D/C	usik	usik	63	01.5.1	KT	HV	F							2	22	0-14	
100	50	NV	D/C	usik	usik	64	01.5.1	FL									16	22	0-14	
100	50	NV	D/C	usik	usik	65	01.5.2	BK									1	22	0-14	
100	50	NV	D/C	usik	usik	66	01.5.2	FL									1	22	0-14	bipolar kjerne frag.?
100	50	NV	D/C	usik	usik	67	01.1.3	PM	FL								1	22	0-14	veldig liten, "trimming" avfall?
100	50	NV	D/C	usik	usik	68	01.1.3	PM	FL								1	22	0-14	

route	X	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
100	50	NV	D/C	usik	usik	69	71	02.3.0	F	FL	1	22	0-14						
100	50	NV	D/C	usik	usik	70	71	02.3.0	F	FL	1	22	0-14						type?
100	50	NV	D/C	usik	usik	71	82	12.1.7		FL	1	22	0-14						bipolar kjerne?
100	50	NV	D/C	usik	usik	72	82	12.1.7		FL	1	22	0-14						bipolar kjerne?
100	50	NV	D/C	usik	usik	73	82	12.1.7		FL	1	22	0-14						bipolar kjerne?
100	50	NV	D/C	usik	usik	74	82	12.1.7		FL	1	22	0-14						bite, et stor og flere mindre avspaltninger
100	50	N	E	E	2	75	55	01.5.1		BK	3	36	5-13						NØ eller NV? pose 1
100	50	N	E	E	2	76	55	01.5.1		KT	4	36	5-13						NØ eller NV? pose 1
100	50	N	E	E	2	77	55	01.5.1		FL	13	36	5-13						NØ eller NV? pose 1
100	50	N	E	E	2	78	37	02.3.0	H	FL	1	36	5-13						NØ eller NV? pose 1, type?
100	50	N	E	E	2	79	37	02.3.0	F	KT	1	36	5-13						NØ eller NV? pose 1
100	50	N	E	E	2	80	36	02.1.4		KT	1	36	5-13						NØ eller NV? pose 1 - type usik, abandoned?
100	50	N	E	E	2	81	55	01.5.1		BK	2	22	5-12						NØ eller NV? pose 2
100	50	N	E	E	2	82	55	01.5.1		KT	1	22	5-12						NØ eller NV? pose 2
100	50	N	E	E	2	83	55	01.5.1		KS	2	22	5-12						NØ eller NV? pose 2
100	50	N	E	E	2	84	55	01.5.1		FL	5	22	5-12						NØ eller NV? pose 2
100	50	N	E	E	2	85	49	01.1.3	PM	FL	1	22	5-12						NØ eller NV? pose 2
101	49	NØ	E	E	2	86	55	01.5.1		BK	18	52	9						
101	49	NØ	E	E	2	87	55	01.5.1		KT	3	52	9						
101	49	NØ	E	E	2	88	55	01.5.1		KS	2	52	9						
101	49	NØ	E	E	2	89	55	01.5.1		FL	25	52	9						
101	49	NØ	E	E	2	90	49	01.1.3	P	BK	1	52	9						
101	49	NØ	E	E	2	91	48	01.1.2	P	FL	1	52	9						

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	49	NØ	E	E	2	37	02.3.0	H	BK								1	52	9	
101	49	NV	E	E	2	55	01.5.1		BK								1	26	9-13	
101	49	NV	E	E	2	55	01.5.1		FL								2	26	9-13	
101	49	SØ	E	E	2	55	01.5.1		BK								2	26	9	
101	49	SØ	E	E	2	55	01.5.1		KS	HV	F						3	42	9	
101	49	SØ	E	E	2	55	01.5.1		FL								6	42	9	
101	49	SØ	E	E	2	55	01.5.1		KT	HV	F						1	42	9	
101	49	SØ	E	E	2	37	02.3.0		BK								1	42	9	
101	49	SV	E	E	2	55	01.5.2		BK								1	26	8-10	stor, nesten hel krystal
101	49	SV	E	E	2	55	01.5.1		BK								1	26	8-10	
101	49	NØ	E2	E	2	55	01.5.1		FL								1	15		
101	49	NV	E2	E	2	55	01.5.1		FL								1	6		
101	49	SØ	E2	E	2	55	01.5.1		BK								1	12		
101	49	SØ	E2	E	2	55	01.5.1		FL								2	12		
101	50	NØ	D/C	usik	usik	86	01.5.1		BK								7	27	0-18	
101	50	NØ	D/C	usik	usik	86	01.5.1		KT	HV	F						1	27	0-18	
101	50	NØ	D/C	usik	usik	86	01.5.1		FL								36	27	0-18	
101	50	NØ	D/C	usik	usik	86	01.5.2		FL								5	27	0-18	1 brent
101	50	NØ	D/C	usik	usik	85	01.1.3	D	BK								1	27	0-18	
101	50	NØ	D/C	usik	usik	84	01.1.2	P	BK								1	27	0-18	
101	50	NØ	D/C	usik	usik	85	01.1.3	PM	FL								1	27	0-18	
101	50	NØ	D/C	usik	usik	84	01.1.2	P	FL								1	27	0-18	
101	50	NØ	D/C	usik	usik	84	01.1.2	P	FL								1	27	0-18	

routeX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	50	NØ	D/C	usik	usik	115	71	02.3.0	F	BK				1	27	0-18		
101	50	NØ	D/C	usik	usik	116	70	02.2.3	H	FL				1	27	0-18		"knotekjerne"
101	50	NV	D	D	usik	117	86	01.5.1		BK				5	22	0-16		
101	50	NV	D	D	usik	118	86	01.5.1		KT	HV	M		1	22	0-16		
101	50	NV	D	D	usik	119	86	01.5.1		FL				27	22	0-16		
101	50	NV	D	D	usik	120	84	01.1.2	M	FL				1	22	0-16		
101	50	NV	D	D	usik	121	63	08.3.1.2	F	SS				14	22	0-16		* 14 frg. som passer sammen til en halv kniv, som passer sammen med fnr. 149
101	50	NV	D	D	usik	122	71	02.3.0	H	BK				1	22	0-16		liten
101	50	NV	D	D	usik	123	71	02.3.0	H	FL				1	22	0-16		liten
101	50	SØ	D	D	usik	124	86	01.5.1		BK				8	40			
101	50	SØ	D	D	usik	125	86	01.5.1		FL				14	40			
101	50	SØ	D	D	usik	126	85	01.1.3	M	FL				1	40			
101	50	SØ	D	D	usik	127	85	01.1.3	D	BK				1	40			flekkelignende?
101	50	SØ	D	D	usik	128	84	01.1.2	D	FL				1	40			type? - flekkelignende?
101	50	SV	D	D	usik	129	86	01.5.1		BK				2	17	0-11		
101	50	SV	D	D	usik	130	86	01.5.2		KS	HV	M		1	17	0-11		bergkrystal?
101	50	SV	D	D	usik	131	86	01.5.1		KT	HV	F		1	17	0-11		
101	50	SV	D	D	usik	132	86	01.5.1		FL				10	17	0-11		flere stikkel avspaltninger?
101	50	SV	D	D	usik	133	76	01.6.2		FL				1	17	0-11		** stikkel avspaltning?
101	50	SV	D	D	usik	134	85	01.1.3	D	KT	HV	F		1	17	0-11		distal frg?
101	50	SV	D	D	usik	135	71	02.3.0	H	FL				1	17	0-11		laget på "andre særtig kj. frg"?
101	50	SV	D	D	usik	136	71	02.3.0	F	FL				1	17	0-11		
101	50	NØ	E	E	2	137	55	01.5.1		BK				2	36			

routeX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	50	NØ	E	E	2		138	55	01.5.2	BK					1	36		
101	50	NØ	E	E	2		139	55	01.5.1	KT	HV	F			1	36		
101	50	NØ	E	E	2		140	55	01.5.1	FL					12	36		
101	50	NØ	E	E	2		141	48	01.1.2	PM	FL				1	36		
101	50	NØ	E	E	2		142	49	01.1.3	M	FL				1	36		
101	50	NØ	E	E	2		143	30	09.5.2	H	FL				1	36		
101	50	NØ	E	E	2		144	32	11.4.0	H	FL				1	36		
101	50	NV	E	E	2		145	55	01.5.1	BK					2	48		
101	50	NV	E	E	2		146	55	01.5.1	FL					7	48		
101	50	NV	E	E	2		147	37	02.3.0	F	BK				1	48		
101	50	NV	E	E	2		148	54	01.3.2	BA					1	48		
101	50	NV	E	E	2		149	33	08.3.1.2	F	SS				7	48		* 7 frg, som passer sammen til en halv kniv, som passer sammen med fnr. 121
101	50	SØ	E	E	2		150	55	01.5.1	BK					3	36		
101	50	SØ	E	E	2		151	55	01.5.1	KT	HV	F			1	36		
101	50	SØ	E	E	2		152	55	01.5.1	FL					25	36		
101	50	SØ	E	E	2		153	42	12.5.3	FL					1	36		
101	50	SV	E	E	2		154	55	01.5.1	BK					8	45		
101	50	SV	E	E	2		155	55	01.5.1	KT	HV	F			3	45		
101	50	SV	E	E	2		156	55	01.5.1	FL					11	45		
101	50	SV	E	E	2		157	49	01.1.3	M	BK				1	45		flekkelige?
101	50	SV	E	E	2		158	49	01.1.3	M	FL				1	45		
101	50	SV	E	E	2		159	49	01.1.3	DM	FL				1	45		
101	50	SV	E	E	2		160	48	01.1.2	M	FL				1	45		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	50	SV	E	E			2		161	46	12.1.7	FL					1	45		
102	35	NØ	3b	A/B			usik		162	86	01.5.1	FL					1	12		
102	40	NV	3b	A/B			usik		163	86	01.5.1	FL					1	12		
102	40	NV	3b	A/B			usik		164	71	02.3.0	H	FL				1	12		
102	48	NV	1b	C/D			usik		165	86	01.5.1	KS	HV	M			1	13		
102	48	NV	1b	C/D			usik		166	86	01.5.1	FL					2	13		
102	48	NV	2b	C/D			usik		167	86	01.5.1	KT	HV	M			1	13		
102	48	NV	2b	C/D			usik		168	86	01.5.1	FL					3	13		
102	48	NV	3b	E			2		169	55	01.5.1	BK					2	14		
102	48	NV	3b	E			2		170	55	01.5.1	FL					2	14		
102	48	NV	4b	E			2		171	55	01.5.1	BK					1	14		
102	48	NV	6c	F/G?			usik		172	86	01.5.1	FL					2			
102	49	NØ	C/D	usik			usik		173	86	01.5.1	BK					1	24	4-15	
102	49	NØ	C/D	usik			usik		174	86	01.5.1	KT	HV	F			1	24	4-15	
102	49	NØ	C/D	usik			usik		175	86	01.5.1	FL					18	24	4-15	
102	49	NØ	C/D	usik			usik		176	65	08.3.4	F	SS				2	24	4-15	passer sammen
102	49	NØ	C/D	usik			usik		177	70	02.2.3	H	FL				1	24	4-15	"knotekj."
102	49	NØ	C/D	usik			usik		178	85	01.1.3	H	FL				1	24	4-15	*type? - splint? (core face trimming?)
102	49	NV	C/D	usik			usik		179	86	01.5.1	BK					2	26	4-13	
102	49	NV	C/D	usik			usik		180	86	01.5.1	KT	HV	F			2	26	4-13	
102	49	NV	C/D	usik			usik		181	86	01.5.1	KS	HV	M			1	26	4-13	
102	49	NV	C/D	usik			usik		182	86	01.5.1	FL					8	26	4-13	
102	49	NV	C/D	usik			usik		183	84	01.1.2	H	BK				1	26	4-13	plunge

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
102	49	NV	C/D	usik	usik	usik	usik	184	84	01.1.2	M	FL					1	26	4-13	
102	49	NV	C/D	usik	usik	usik	usik	185	85	01.1.3	PM	FL					1	26	4-13	*type? - splint? (core face trimming?)
102	49	NV	C/D	usik	usik	usik	usik	186	75	01.2.5		FL					1	26	4-13	platform/core face frag - snapped core face preparation?
102	49	SØ	D	D	usik	usik	usik	187	86	01.5.1		BK					9	18	1-10	
102	49	SØ	D	D	usik	usik	usik	188	86	01.5.1		KT	HV	F			1	18	1-10	
102	49	SØ	D	D	usik	usik	usik	189	86	01.5.1		FL					17	18	1-10	
102	49	SØ	D	D	usik	usik	usik	190	84	01.1.2	PM	FL					1	18	1-10	
102	49	SØ	D	D	usik	usik	usik	191	85	01.1.3	H	FL					1	18	1-10	flekkelign.
102	49	SØ	D	D	usik	usik	usik	192	73	01.2.1	H	BK					1	18	1-10	
102	49	SØ	D	D	usik	usik	usik	193	65	08.3.4	F	SS					2	18	1-10	passer sammen
102	49	SV	C/D	usik	usik	usik	usik	194	86	01.5.1		BK					3	16	0-10	
102	49	SV	C/D	usik	usik	usik	usik	195	86	01.5.1		KT	HV	F			1	16	0-10	
102	49	SV	C/D	usik	usik	usik	usik	196	86	01.5.1		FL					19	16	0-10	noen avspaltninger fra bipolar kj.
102	49	SV	C/D	usik	usik	usik	usik	197	86	01.5.1		SS					1	16	0-10	
102	49	SV	C/D	usik	usik	usik	usik	198	84	01.1.2	D	FL					1	16	0-10	
102	49	SV	C/D	usik	usik	usik	usik	199	59	09.5.2	D	FL					1	16	0-10	
102	49	SV	C/D	usik	usik	usik	usik	200	64	08.3.1.3	F	SS					1	16	0-10	* bevelled working edge
102	49	NØ	E	E	2	E	2	201	55	01.5.1		BK					4	69	12	
102	49	NØ	E	E	2	E	2	202	55	01.5.2		BK					2	69	12	
102	49	NØ	E	E	2	E	2	203	55	01.5.1		KS	HV	F			1	69	12	bergkrystal?
102	49	NØ	E	E	2	E	2	204	55	01.5.1		KT	HV	F			1	69	12	
102	49	NØ	E	E	2	E	2	205	55	01.5.1		FL					11	69	12	
102	49	NØ	E	E	2	E	2	206	49	01.1.3	H	FL					1	69	12	*type? - splint? (core face trimming?)

route	X	rate	Y	kvad	gravlag	korrlag	fase	strukt	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
102	49	NV	E	E	2			207	55	01.5.1	FL						7	30	9-12	
102	49	NV	E	E	2			208	48	01.1.2	P	FL					1	30	9-12	
102	49	NV	E	E	2			209	37	02.3.0	F	FL					1	30	9-12	
102	49	SØ	E	E	2			210	55	01.5.1		BK					1	56	16	
102	49	SØ	E	E	2			211	55	01.5.1		KT	HV	F			1	56	16	
102	49	SØ	E	E	2			212	55	01.5.1		FL					16	56	16	
102	49	SØ	E	E	2			213	55	01.5.3		BK					1	56	16	
102	49	SØ	E	E	2			214	55	01.5.3		FL					1	56	16	
102	49	SØ	E	E	2			215	55	01.5.3		FL					1	56	16	
102	49	SØ	E	E	2			216	55	01.5.3		FL					1	56	16	
102	49	SØ	E	E	2			217	48	01.1.2	PM	BK					1	56	16	
102	49	SØ	E	E	2			218	49	01.1.3	M	FL					1	56	16	PM frag?
102	49	SØ	E	E	2			219	41	01.6.3		FL					1	56	16	type? flekke lignende avslag?
102	49	SØ	E	E	2			220	37	02.3.0	H	FL					1	56	16	
102	49	SV	E	E	2			221	55	01.5.1		BK					3	58	12-16	
102	49	SV	E	E	2			222	55	01.5.1		KT	HV	F			1	58	12-16	
102	49	SV	E	E	2			223	55	01.5.1		FL					6	58	12-16	
102	49	SV	E	E	2			224	37	02.3.0	H	BK					1	58	12-16	
102	50	NØ	D	D		usik		225	86	01.5.1		BK					6	30	3-12	
102	50	NØ	D	D		usik		226	86	01.5.1		KT	HV	F			4	30	3-12	
102	50	NØ	D	D		usik		227	86	01.5.1		KT	HV	G			1	30	3-12	
102	50	NØ	D	D		usik		228	86	01.5.1		FL					40	30	3-12	
102	50	NØ	D	D		usik		229	86	01.5.3	M	BK					1	30	3-12	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
102	50	NØ	D	D	usik				230	86	01.5.3	D	FL				1	30	3-12	
102	50	NØ	D	D	usik				231	73	01.2.1	H	BK				1	30	3-12	
102	50	NØ	D	D	usik				232	85	01.1.3	D	FL				1	30	3-12	
102	50	NØ	D	D	usik				233	86	01.5.2		FL				1	30	3-12	
102	50	NV	D	D	usik				234	86	01.5.1		BK				2	24	0-15	
102	50	NV	D	D	usik				235	86	01.5.1		KT	HV	F		1	24	0-15	
102	50	NV	D	D	usik				236	86	01.5.1		FL				36	24	0-15	
102	50	NV	D	D	usik				237	86	01.5.3	D	FL				1	24	0-15	
102	50	NV	D	D	usik				238	85	01.1.3	M	KT	HV	M		1	24	0-15	
102	50	NV	D	D	usik				239	71	02.3.0	H	FL				1	24	0-15	
102	50	NV	D	D	usik				240	71	02.3.0	F	FL				1	24	0-15	
102	50	NV	D	D	usik				241	68	02.1.4		BK				1	24	0-15	* skarp kant vinkel - nesten hel kryстал
102	50	SØ	D/C	usik	usik				242	86	01.5.1		BK				15	36	0-23	
102	50	SØ	D/C	usik	usik				243	86	01.5.1		KT	HV	F		2	36	0-23	
102	50	SØ	D/C	usik	usik				244	86	01.5.1		KS	HV	M		1	36	0-23	
102	50	SØ	D/C	usik	usik				245	86	01.5.1		FL				31	36	0-23	
102	50	SØ	D/C	usik	usik				246	86	01.5.2		FL				1	36	0-23	
102	50	SØ	D/C	usik	usik				247	86	01.5.3		FL				1	36	0-23	
102	50	SØ	D/C	usik	usik				248	77	01.6.3		BK				1	36	0-23	
102	50	SØ	D/C	usik	usik				249	77	01.6.3		BK				1	36	0-23	
102	50	SØ	D/C	usik	usik				250	84	01.1.2	H	KT	HV	F		1	36	0-23	
102	50	SØ	D/C	usik	usik				251	71	02.3.0	F	FL				1	36	0-23	
102	50	SØ	D/C	usik	usik				252	71	02.3.0	F	FL				1	36	0-23	

route	X	rate	Y	kvad	gravlag	korrlag	fase	strukt	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
102	50	SØ	D/C	usik	usik	usik	usik	253	82	12.1.7	FL	FL					1	36	0-23	*patinert, retusj etter patinering-->gjenbrukt!!
102	50	SV	C/D	usik	usik	usik	usik	254	86	01.5.1	BK	BK					13	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	255	86	01.5.1	KT	HV	F				3	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	256	86	01.5.1	FL	FL					30	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	257	86	01.5.2	FL	FL					1	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	258	85	01.1.3	P	FL					1	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	259	85	01.1.3	PM	FL					1	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	260	85	01.1.3	PM	FL					1	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	261	85	01.1.3	D	FL					1	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	262	71	02.3.0	F	FL					1	24	0-16	
102	50	SV	C/D	usik	usik	usik	usik	263	79	12.2.1.6	M	FL					1	24	0-16	retusj langs kantene, flekkelign.?
102	50	SV	C/D	usik	usik	usik	usik	264	61	11.2.1	H	FL					1	24	0-16	
102	50	NØ	E	E	E	E	E	265	55	01.5.1	BK	BK					5	35		
102	50	NØ	E	E	E	E	E	266	55	01.5.1	KS	HV	M				2	35		
102	50	NØ	E	E	E	E	E	267	55	01.5.1	FL	FL					23	35		
102	50	NØ	E	E	E	E	E	268	53	15.5.2	PS	PS					1	35		
102	50	NV	E	E	E	E	E	269	55	01.5.1	BK	BK					2	48		
102	50	NV	E	E	E	E	E	270	55	01.5.1	KS	HV	G				2	48		
102	50	NV	E	E	E	E	E	271	55	01.5.1	FL	FL					14	48		
102	50	NV	E	E	E	E	E	272	55	01.5.2	FL	FL					1	48		
102	50	NV	E	E	E	E	E	273	55	01.5.3	D	FL					1	48		
102	50	NV	E	E	E	E	E	274	40	01.2.2	BK	BK					1	48		plunge
102	50	NV	E	E	E	E	E	275	44	12.2.3.4	H	BK					1	48		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
102	50	SØ	E	E	2	E	2		276	55	01.5.1	KS	HV	M			1	16		bergkryстал?
102	50	SØ	E	E	2	E	2		277	55	01.5.1	FL					1	16		
102	50	SV	E	E	2	E	2		278	55	01.5.1	BK					3	40		
102	50	SV	E	E	2	E	2		279	55	01.5.1	FL					9	40		
102	50	SV	E	E	2	E	2		280	46	12.1.7	BK					1	40		
102	50	SØ	F1	F	1	F	1	D	281	10	12.2.2.3	D	FL				1	12		type? classic whittling knife from bipolar reduction ("appelsinbåt") også "bruksretusj" langs kantene
102	50	NV	F2	F	1	F	1		282	27	01.5.1	FL					1	18		
103	46	NØ	D/C	usik		usik			283	86	01.5.1	FL					1	5	0-3	
103	46	NV	E1	E	2	E	2		284	55	01.5.1	BK					2	24		
103	46	NV	E1	E	2	E	2		285	41	01.6.3	H	FL				1	24		
103	46	NV	bøt1	E2	2	E2	2		286	55	01.5.1	BK					1	12	2-3	
103	46	NV	bøt1	E2	2	E2	2		287	55	01.5.1	FL					1	12	2-3	
103	46	NV	bøt2	E3	2	E3	2		288	55	01.5.1	FL					1	12	3-6	
103	47	NØ	D	D		D	usik		289	86	01.5.1	BK					1	8	1-10	
103	47	NØ	D	D		D	usik		290	86	01.5.1	KT	HV	F			1	8	1-10	
103	47	NØ	D	D		D	usik		291	86	01.5.1	FL					4	8	1-10	
103	47	NV	D	D		D	usik		292	86	01.5.1	BK					1	8	2-5	
103	47	NV	D	D		D	usik		293	86	01.5.1	FL					1	8	2-5	
103	48	NV	C/D	usik		usik			294	86	01.5.1	BK					2	29	6-16	
103	48	NV	C/D	usik		usik			295	86	01.5.2	BK					2	29	6-16	
103	48	NV	C/D	usik		usik			296	86	01.5.1	KS	HV	M			1	29	6-16	
103	48	NV	C/D	usik		usik			297	86	01.5.1	KT	HV	F			1	29	6-16	
103	48	NV	C/D	usik		usik			298	86	01.5.1	FL					13	29	6-16	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
103	48	NV	C/D	usik	usik				299	80	12.2.2.6	H	FL				1	29	6-16	
103	49	NØ	D	D	usik				300	86	01.5.1		FL				1	8	2-3	
103	49	NØ	E	E	2				301	55	01.5.1		BK				1	30		
103	49	NØ	E	E	2				302	55	01.5.1		FL				1	30		
103	50	NØ	D	D	usik				303	86	01.5.1		BK				6	16	2-10	nord for S1 snitt
103	50	NØ	D	D	usik				304	86	01.5.1		FL				20	16	2-10	nord for S1 snitt
103	50	NØ	D	D	usik				305	82	12.1.7		FL				1	16	2-10	* merkelig stikke. nord for S1 snitt
103	50	NV	D	D	usik				306	86	01.5.1		BK				3	10		nord for S1 snitt
103	50	NV	D	D	usik				307	86	01.5.1		KT	HV	M		3	10		nord for S1 snitt
103	50	NV	D	D	usik				308	86	01.5.1		FL				26	10		nord for S1 snitt
103	50	NV	D	D	usik				309	86	01.5.2		FL				1	10		nord for S1 snitt
103	50	NV	D	D	usik				310	84	01.1.2	M	FL				1	10		nord for S1 snitt
103	50	NV	D	D	usik				311	79	12.2.1.6	PM	FL				1	10		retusj langs kantene - nord for S1 snitt
103	50	NØ	E	E	2				312	55	01.5.1		BK				3	38		nord for S1 snitt
103	50	NØ	E	E	2				313	55	01.5.1		KT	HV	F		3	38		nord for S1 snitt
103	50	NØ	E	E	2				314	55	01.5.1		FL				9	38		nord for S1 snitt
103	50	NØ	E	E	2				315	37	02.3.0	H	BK				1	38		nord for S1 snitt
103	50	NV	E	E	2				316	55	01.5.1		FL				1	7		nord for S1 snitt
103	50	NØ	E	E	2				317	55	01.5.1		BK				3	18		sør for S1 snitt
103	50	NØ	E	E	2				318	55	01.5.1		KS	HV	M		1	18		sør for S1 snitt
103	50	NØ	E	E	2				319	55	01.5.1		FL				4	18		sør for S1 snitt
103	50	NØ	E	E	2				320	41	01.6.3	F	BK				1	18		sør for S1 snitt
103	50	NV	E	E	2				321	55	01.5.1		BK				3			sør for S1 snitt

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
103	50	NV	E	E	2				322	55	01.5.1	FL					19			sør for S1 snitt
103	50	NØ	F1	F	1				323	27	01.5.1	BK					3	10		nord for S1 snitt
103	50	NØ	F1	F	1				324	27	01.5.1	KS	HV	M			2	10		nord for S1 snitt
103	50	NØ	F1	F	1				325	27	01.5.2	KS	HV	M			1	10		nord for S1 snitt
103	50	NØ	F1	F	1				326	27	01.5.1	FL					2	10		nord for S1 snitt
103	50	NV	F1	F	1				327	27	01.5.1	FL					3	1		nord for S1 snitt
103	50	NV	F1	F	1				328	20	01.1.1	PM	FL				1	1		nord for S1 snitt
103	50	NV	F1	F	1				329	27	01.5.1	BK					1	1		nord for S1 snitt
103	50	NØ	F2	F	1				330	27	01.5.1	BK					3	10		nord for S1 snitt
103	50	NØ	F2	F	1				331	27	01.5.1	FL					2	10		nord for S1 snitt
103	50	NØ	F3	F	1				332	27	01.5.1	BK					1	4		nord for S1 snitt
103	50	NØ	F3	F	1				333	27	01.5.1	FL					1	4		nord for S1 snitt
103	50	NØ	F3	F	1				334	13	01.2.1	H	FL				1	4		nord for S1 snitt
103	50	NØ	F	F	1				335	27	01.5.1	KS	HV	M			2	20	10	sør for S1 snitt
103	50	NØ	F	F	1				336	27	01.5.2	KS	HV	M			1	20	10	sør for S1 snitt
103	50	NØ	F	F	1				337	27	01.5.1	FL					5	20	10	sør for S1 snitt
103	50	NØ	F	F	1				338	25	97.0.0	FL					1	20	10	med "vindu" - sør for S1 snitt
103	50	NØ	F	F	1				339	13	01.2.1	FL					1	20	10	sør for S1 snitt
103	50	NV	F	F	1				340	27	01.5.1	BK					1	36	7-10	sør for S1 snitt
103	50	NV	F	F	1				341	27	01.5.2	KS	HV	M			1	36	7-10	natur? - sør for S1 snitt
104	46	SØ	D	D		usik			342	86	01.5.1	BK					1	4	0-3	
104	46	SØ	D	D		usik			343	86	01.5.1	FL					1	4	0-3	
104	46	SØ	D	D		usik			344	71	02.3.0	F	FL				1	4	0-3	

routeX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	49	NØ	D	D	usik		345	86	01.5.1	FL					5	12	2-10	
104	49	NØ	D	D	usik		346	77	01.6.3	H	KT	HV	F		1	12	2-10	
104	49	NV	D	D	usik		347	86	01.5.1		FL				4	14	0-12	
104	49	NV	D	D	usik		348	86	01.5.3	H	FL				1	14	0-12	
104	49	NV	D	D	usik		349	86	01.5.3	D	FL				1	14	0-12	
104	49	SV	D	D	usik		350	86	01.5.1		FL				1	12	5-10	
104	49	NØ	E	E	2		351	55	01.5.1		BK				2	3	0-15	nord for S1 snitt
104	49	NØ	E	E	2		352	55	01.5.1		FL				1	3	0-15	nord for S1 snitt
104	49	NV	E	E	2		353	55	01.5.1		KS	HV	M		2	3	0-12	nord for S1 snitt
104	49	NV	E	E	2		354	55	01.5.2		KS	HV	M		1	3	0-12	nord for S1 snitt
104	49	NV	E	E	2		355	55	01.5.1		FL				9	3	0-12	nord for S1 snitt
104	49	NV	E	E	2		356	55	01.5.1		FL				1	4		sør for S1 snitt
104	49	NV	E	E	2		357	49	01.1.3	P	FL				1	4		sør for S1 snitt
104	49	SØ	E	E	2		358	55	01.5.1		FL				5	22		sør for S1 snitt
104	49	SV	E	E	2		359	55	01.5.1		BK				2	24		sør for S1 snitt
104	49	SV	E	E	2		360	55	01.5.1		KT	HV	F		1	24		sør for S1 snitt
104	49	SV	E	E	2		361	55	01.5.1		FL				3	24		sør for S1 snitt
104	49	NØ	FI	F	1		362	27	01.5.1		BK				1	20		
104	49	NØ	FI	F	1		363	27	01.5.1		FL				7	20		
104	49	NV	FI	F	1		364	27	01.5.1		BK				1	13		nord for S1 snitt
104	49	NV	FI	F	1		365	27	01.5.1		FL				3	13		nord for S1 snitt
104	49	NV	FI	F	1		366	22	01.1.3	P	FL				1	13		nord for S1 snitt
104	49	SØ	FI	F	1		367	27	01.5.1		FL				2	7		nord for S1 snitt

route	X	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	49	NØ	F2	F	1			368	27	01.5.1	FL				4	17			
104	49	NØ	F2	F	1			369	27	01.5.1	KT	HV	F		2	17			
104	49	NØ	F2	F	1			370	27	01.5.1	FL				6	17			
104	49	NV	F2	F	1			371	27	01.5.1	FL				7	15			nord for S1 snitt
104	49	NØ	F3	F	1			372	27	01.5.1	KT	HV	F		1	17			
104	49	NØ	F3	F	1			373	27	01.5.1	FL				4	17			
104	49	NØ	F3	F	1			374	23	15.1.0	SS				1	17			tynn, kniv fragment?
104	49	NV	F3	F	1			375	27	01.5.1	FL				2	17			nord for S1 snitt
104	49	NØ	F4	F	1			376	27	01.5.1	BK				3	11	4-9		
104	49	NØ	F4	F	1			377	27	01.5.1	FL				3	11	4-9		
104	49	NV	F4	F	1			378	27	01.5.1	FL				3	9	1-4		nord for S1 snitt
104	49	SØ	F	F	1			379	27	01.5.1	BK				1	17	7-10		sør for S1 snitt
104	49	SV	F	F	1			380	27	01.5.1	FL				1	10	1-7		sør for S1 snitt
104	49	NØ	F/G5	F/G	1			381	27	01.5.1	FL				4	7	0-5		
104	50	NØ	D	D		usik		382	86	01.5.1	BK				3	12	2-6		
104	50	NØ	D	D		usik		383	86	01.5.1	KT	HV	M		1	12	2-6		
104	50	NØ	D	D		usik		384	86	01.5.1	FL				28	12	2-6		
104	50	NØ	D	D		usik		385	84	01.1.2	P	FL			1	12	2-6		
104	50	NØ	D	D		usik		386	77	01.6.3	H	FL			1	12	2-6		
104	50	NØ	D	D		usik		387	77	01.6.3	PM	FL			1	12	2-6		
104	50	NØ	D	D		usik		388	65	08.3.4	F	SS			1	12	2-6		
104	50		D	D		usik		389	86	01.5.1	BK				2	6	2-3		pose 1 - SØ på pose men kan egentlig være NV
104	50		D	D		usik		390	86	01.5.1	KS	HV	M		2	6	2-3		KT? - pose 1 - SØ på pose men kan egentlig være NV

route	X	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	50		D	D	usik		391	86	01.5.1	FL		FL			16	6	2-3	pose 1 - SØ på pose men kan egently være NV	
104	50		D	D	usik		392	86	01.5.2	FL		FL	BR		1	6	2-3	pose 1 - SØ på pose men kan egently være NV	
104	50		D	D	usik		393	86	01.5.3	H	FL	FL			1	6	2-3	pose 1 - SØ på pose men kan egently være NV	
104	50		D	D	usik		394	71	02.3.0	F	BK	BK			1	6	2-3	pose 1 - SØ på pose men kan egently være NV	
104	50		D	D	usik		395	82	12.1.7		FL	FL			1	6	2-3	"bruksretusj langs en kant - pose 1 - SØ på pose men kan egently være NV	
104	50		D	D	usik		396	86	01.5.2		BK	BK			1	10	2-3	pose 2 - SØ på pose men kan egently være NV	
104	50		D	D	usik		397	86	01.5.1		KT	HV	F		1	10	2-3	pose 2 - SØ på pose men kan egently være NV	
104	50		D	D	usik		398	86	01.5.1		FL	FL			7	10	2-3	pose 2 - SØ på pose men kan egently være NV	
104	50		D	D	usik		399	86	01.5.1		BK	BK			2	10	2-3		
104	50		D	D	usik		400	86	01.5.2		BK	BK			1	10	2-3		
104	50		D	D	usik		401	86	01.5.1		FL	FL			6	10	2-3		
104	50		E	E	2		402	55	01.5.1		BK	BK			1	48	8-23		
104	50		E	E	2		403	55	01.5.2		KS	HV	M		1	48	8-23	KT?	
104	50		E	E	2		404	55	01.5.1		KT	HV	F		3	48	8-23		
104	50		E	E	2		405	55	01.5.1		FL	FL			31	48	8-23		
104	50		E	E	2		406	55	01.5.3	H	FL	FL			1	48	8-23		
104	50		E	E	2		407	48	01.1.2	PM	FL	FL			1	48	8-23		
104	50		E	E	2		408	49	01.1.3	H	FL	FL			1	48	8-23		
104	50		E	E	2		409	41	01.6.3	H	KT	HV	F		1	48	8-23	*flekke lign. avslag med "innvent" slagboule (med andre ord, den er slått bipolar)	
104	50		E	E	2		410	55	01.5.1		BK	BK			2	24	10-12		
104	50		E	E	2		411	55	01.5.1		FL	FL			6	24	10-12		
104	50		E	E	2		412	34	08.3.4	F	SS	SS			1	24	10-12	slipe plate fragment?	
104	50		E	E	2		413	55	01.5.1		BK	BK			3	76	12-23	nord for S1 snitt	

route	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	50	SØ	E	E	2		414	55	01.5.1	KT	HV	F			1	76	12-23	nord for S1 snitt	
104	50	SØ	E	E	2		415	55	01.5.1	FL					41	76	12-23	nord for S1 snitt	
104	50	SØ	E	E	2		416	37	02.3.0	H	FL				1	76	12-23	*meget liten!! - nord for S1 snitt	
104	50	SV	E	E	2		417	55	01.5.1	KT	HV	F			1	14	10-22	nord for S1 snitt	
104	50	SV	E	E	2		418	55	01.5.1	FL					6	14	10-22	nord for S1 snitt	
104	50	SV	E	E	2		419	55	01.5.3	H	FL				1	14	10-22	nord for S1 snitt	
104	50	SV	E	E	2		420	55	01.5.1	FL					3	6		sør for S1 snitt	
104	50	SV	E	E	2		421	48	01.1.2	DM	FL				1	6		sør for S1 snitt	
104	50	NØ	F1	F	1		422	27	01.5.1	KT	HV	F			1	18			
104	50	NØ	F1	F	1		423	27	01.5.1	FL					11	18			
104	50	NØ	F1	F	1		424	27	01.5.2	FL					1	18			
104	50	NØ	F1	F	1		425	26	01.3.2	BA					1	18			
104	50	NV	F1	F	1		426	27	01.5.1	FL					5	25			
104	50	SØ	F1	F	1		427	27	01.5.1	KT	HV	F			1	20		nord for S1 snitt	
104	50	SØ	F1	F	1		428	27	01.5.1	FL					6	20		nord for S1 snitt	
104	50	SØ	F1	F	1		429	22	01.1.3	H	BK				1	20		nord for S1 snitt	
104	50	SØ	F1	F	1		430	18	01.6.3	H	FL		BR		1	20		nord for S1 snitt	
104	50	SV	F1	F	1		431	27	01.5.1	BK					1	24		nord for S1 snitt	
104	50	SV	F1	F	1		432	27	01.5.2	KT	HV	F			1	24		nord for S1 snitt	
104	50	SV	F1	F	1		433	27	01.5.1	FL					1	24		nord for S1 snitt	
104	50	SV	F1	F	1		434	16	01.6.1	FL					1	24		** side avslag fra skiveøks - nord for S1 snitt	
104	50	NØ	F4	F	1		435	27	01.5.1	BK					1	9	1-4		
104	50	NØ	F4	F	1		436	27	01.5.1	FL					2	9	1-4		

routeX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	50	NØ	F4	F	1		437	27	01.5.3	H	FL				1	9	1-4	
104	50	NØ	F4	F	1		438	27	01.5.3	H	BK				1	9	1-4	
104	50	NØ	F4	F	1		439	27	01.5.3	H	BK				1	9	1-4	ryggflekke?
104	50	NØ	F4	F	1		440	22	01.1.3	P	FL				1	9	1-4	
104	50	NØ	F4	F	1		441	15	01.2.5		KT	HV	F		1	9	1-4	platform/core face frag. - platform "disk" (01.2.3) frag.?
104	50	NV	F4	F	1		442	27	01.5.1		BK				2	8	1-4	
104	50	NV	F4	F	1		443	27	01.5.1		FL				4	8	1-4	
104	50	NV	F4	F	1		444	26	01.3.2		BA				1	8	1-4	type?
104	50	SØ	F4	F	1		445	22	01.1.3	D	FL				1	5	0-1	nord for S1 snitt
104	50	SØ	F4	F	1		446	19	12.1.7		FL				1	5	0-1	nord for S1 snitt
104	50	SV	F4	F	1		447	27	01.5.1		FL				1	3	0-2	**vannrullet - nord for S1 snitt
104	50	NØ	F3	F	1		448	27	01.5.1		KT	HV	F		1	24		
104	50	NØ	F3	F	1		449	27	01.5.1		FL				6	24		
104	50	NV	F3	F	1		450	27	01.5.1		FL				8	20		
104	50	NV	F3	F	1		451	12	02.3.0		KT	HV	F		1	20		BK?
104	50	S	F3	F	1		452	27	01.5.1		KT	HV	F		1	16		pose 1 (SØ eller SV? - 2 SV poser?)
104	50	S	F3	F	1		453	27	01.5.1		FL	HV	F		4	16		pose 1 (SØ eller SV? - 2 SV poser?)
104	50	S	F3	F	1		454	12	02.3.0		BK				1	16		pose 1 (SØ eller SV? - 2 SV poser?)
104	50	S	F3	F	1		455	27	01.5.1		BK				2	12		pose 2 (SØ eller SV? - 2 SV poser?)
104	50	S	F3	F	1		456	27	01.5.1		FL				5	12		pose 2 (SØ eller SV? - 2 SV poser?)
104	50	NØ	F2	F	1		457	27	01.5.1		FL				12	22		
104	50	NØ	F2	F	1		458	12	02.3.0	H	FL				1	22		
104	50	NØ	F2	F	1		459	12	02.3.0	F	BK				1	22		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrm	thermalt	ant	liter	lagtykkcm	kommentar
104	50	NV	F2	F	1	27	01.5.1	KS	HV	M							6	18		BK?
104	50	NV	F2	F	1	27	01.5.1	FL									2	18		
104	50	NV	F2	F	1	25	97.0.0	FL									1	18		natur strand flint? - patinert
104	50	SØ	F2	F	1	27	01.5.1	BK									4	16		nord for S1 snitt
104	50	SØ	F2	F	1	27	01.5.1	FL									4	16		nord for S1 snitt
104	50	SØ	F2	F	1	12	02.3.0	H									1	16		nord for S1 snitt
104	50	SV	F2	F	1	27	01.5.1	KS	HV	M							1	19		nord for S1 snitt
104	50	SV	F2	F	1	27	01.5.1	FL									11	19		nord for S1 snitt
104	50	SV	F2	F	1	22	01.1.3	PM	FL								1	19		nord for S1 snitt
104	50	SV	F2	F	1	20	01.1.1	PM	FL								1	19		nord for S1 snitt
104	50	SV	F2	F	1	12	02.3.0	H	FL								1	19		nord for S1 snitt
104	50	NØ	F/G5	F/G	1	27	01.5.1	KT	HV	F							2	14	1-6	nord for S1 snitt
104	50	NØ	F/G5	F/G	1	27	01.5.1	FL									5	14	1-6	nord for S1 snitt
104	50	NV	F/G5	F/G	1	27	01.5.1	BK									1	13	1-6	
104	50	SØ	F/G5	F/G	1	27	01.5.1	KT	HV	F							1	9	0-5	
104	50	SØ	F/G5	F/G	1	27	01.5.1	FL									2	9	0-5	
104	50	SØ	F/G5	F/G	1	8	12.5.2	H	FL								1	9	0-5	retusj usik - svak bruksretusj?
104	50	NØ	F/G6	F/G	1	27	01.5.1	KS	HV	M							2	20	0-6	
104	50	NØ	F/G6	F/G	1	27	01.5.1	FL									8	20	0-6	
104	50	NØ	F/G6	F/G	1	22	01.1.3	H	FL								1	20	0-6	kort, hinge
104	50	NØ	F/G6	F/G	1	20	01.1.1	H	FL								1	20	0-6	
104	50	NØ	F/G6	F/G	1	11	12.2.2.6	DM	FL								1	20	0-6	bruksretusj langs kantene (en kant med korrekt)
104	50	NV	F/G6	F/G	1	27	01.5.1	BK									1	19	0-6	

route	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfkr	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	50	NV	F/G6	F/G	1	483	27	01.5.1	KS	HV	M	1	19	0-6				
104	50	NV	F/G6	F/G	1	484	27	01.5.1	FL			6	19	0-6				
105	46	NØ	D	D	usik	485	86	01.5.1	BK			4	24	0-12				
105	46	NØ	D	D	usik	486	86	01.5.1	FL			13	24	0-12				
105	46	NØ	D	D	usik	487	84	01.1.2	M	BK		1	24	0-12				fin hvitt kvartsitt?
105	46	NV	D	D	usik	488	86	01.5.2	KS	HV	F	1	25	0-11				
105	46	NV	D	D	usik	489	86	01.5.1	FL			1	25	0-11				
105	46	NØ	E	E	2	490	55	01.5.1	FL			3	28	0-22				
105	46	NV	E	E	2	491	55	01.5.1	FL			5	42	0-29				
105	46	NØ	F(K)1	F	1	492	27	01.5.1	FL			2	8					F(K)1=kulturlag variant av F
105	46	NØ	F1	F*	1	493	27	01.5.1	FL			1	17					variant av lag F (ikke svart kultur lag)
105	46	NV	F1	F*	1	494	27	01.5.1	FL			1	9					variant av lag F (ikke svart kultur lag)
105	47	NØ	C/D	usik	usik	495	86	01.5.1	BK			18	48	7-15				
105	47	NØ	C/D	usik	usik	496	86	01.5.1	KT	HV	F	11	48	7-15				
105	47	NØ	C/D	usik	usik	497	86	01.5.1	FL			34	48	7-15				
105	47	NØ	C/D	usik	usik	498	71	02.3.0	F	FL		1	48	7-15				
105	47	NV	D	D	usik	499	86	01.5.1	BK			3	30	1-15				
105	47	NV	D	D	usik	500	86	01.5.1	KT	HV	F	3	30	1-15				
105	47	NV	D	D	usik	501	86	01.5.1	FL			10	30	1-15				
105	47	NV	D	D	usik	502	79	12.2.1.6	PM	FL		1	30	1-15				bruksretusj langs kantene
105	47	NV	D	D	usik	503	59	09.5.2	D	FL		1	30	1-15				i 2 fragmenter
105	47	NV	D	D	usik	504	71	02.3.0	H	BK		1	30	1-15				
105	47	NV	D	D	usik	505	65	08.3.4	F	SS		3	30	1-15				3 stk. passer sammen - veldig skjør, brent? type? (slipe plate frg?)

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	47	NV	D	D	D	D	usik		506	65	08.3.4	F	SS				5	30	1-15	5 stk. passer sammen - veldig skjørt, brent? type? (slipe plate fig?)
105	47	SØ	D	D	D	D	usik		507	86	01.5.1		BK				5	30	5-11	
105	47	SØ	D	D	D	D	usik		508	86	01.5.1		FL				11	30	5-11	
105	47	SØ	D	D	D	D	usik		509	82	12.1.7		FL				1	30	5-11	"whittling knife" - opprinnelig bipolar kj.
105	47	SØ	D	D	D	D	usik		510	82	12.1.7		FL	BR			1	30	5-11	
104	47	SV	D	D	D	D	usik		511	86	01.5.1		FL				3	8	1-5	
104	47	NØ	D	D	D	D	usik		512	86	01.5.1		BK				5	21	4-8	
104	47	NØ	D	D	D	D	usik		513	86	01.5.1		KT	HV	F		1	21	4-8	
104	47	NØ	D	D	D	D	usik		514	86	01.5.1		FL				3	21	4-8	
104	47	NV	D	D	D	D	usik		515	86	01.5.1		BK				2	6	3-5	
104	47	NV	D	D	D	D	usik		516	86	01.5.1		KT	HV	F		2	6	3-5	
104	47	NV	D	D	D	D	usik		517	86	01.5.1		FL				2	6	3-5	
104	47	NV	D	D	D	D	usik		518	85	01.1.3	PM	FL				1	6	3-5	
104	47	SØ	D	D	D	D	usik		519	86	01.5.1		BK				1	24	4-10	
104	47	SØ	D	D	D	D	usik		520	86	01.5.1		KT	HV	F		1	24	4-10	
104	47	SØ	D	D	D	D	usik		521	86	01.5.1		FL				9	24	4-10	
104	47	SØ	D	D	D	D	usik		522	71	02.3.0	F	FL				1	24	4-10	
104	47	SØ	D	D	D	D	usik		523	65	08.3.4	F	SS				1	24	4-10	type? (slipe plate fig.?)
104	47	SV	D	D	D	D	usik		524	86	01.5.1		BK				3	14	3-10	
104	47	SV	D	D	D	D	usik		525	86	01.5.1		FL				3	14	3-10	
105	47	NV	E	E	E	E	2		526	55	01.5.1		FL				1	14	0-26	
105	47	NØ	F(K)I	F	F	F	1		527	27	01.5.1		BK				2	18		F(K)I=kulturlag variant av F
105	47	NØ	F(K)I	F	F	F	1		528	27	01.5.1		FL				2	18		F(K)I=kulturlag variant av F

route	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	47	NV	F(K)I	F	1	529	27	01.5.1	BK						2	16		F(K)I=kulturlag variant av F	
105	47	NV	F(K)I	F	1	530	27	01.5.1	FL						5	16		F(K)I=kulturlag variant av F	
105	47	NV	F(K)I	F	1	531	27	01.5.3	KT	HV	F				1	16		F(K)I=kulturlag variant av F - type? - splint?, core face frag?	
105	47	NØ	F	F*	1	532	27	01.5.1	FL						1	6		variant av lag F (ikke svart kulturlag)	
105	48	NV	C/D	usik	usik	533	86	01.5.1	BK						6	23	3-12		
105	48	NV	C/D	usik	usik	534	86	01.5.1	KT	HV	F				1	23	3-12		
105	48	NV	C/D	usik	usik	535	86	01.5.1	KT	HV	M				2	23	3-12		
105	48	NV	C/D	usik	usik	536	86	01.5.1	FL						10	23	3-12		
105	48	NV	C/D	usik	usik	537	71	02.3.0	H	FL					1	23	3-12		
105	48	NV	C/D	usik	usik	538	70	02.2.3	H	KT	HV	F			1	23	3-12		
105	48	SV	C/D	usik	usik	539	86	01.5.1	BK						9	27	4-15		
105	48	SV	C/D	usik	usik	540	86	01.5.1	KT	HV	F				5	27	4-15		
105	48	SV	C/D	usik	usik	541	86	01.5.1	FL						15	27	4-15		
105	48	SV	C/D	usik	usik	542	65	08.3.4	F	SS					1	27	4-15	type? (slipe plate fig.?)	
105	48	NØ	D1	D	usik	543	86	01.5.1	BK						2	9	2-3		
105	48	NØ	D1	D	usik	544	86	01.5.1	KS	HV	M				2	9	2-3		
105	48	NØ	D1	D	usik	545	86	01.5.1	KT	HV	F				1	9	2-3		
105	48	NØ	D1	D	usik	546	86	01.5.1	FL						8	9	2-3		
105	48	NØ	D1	D	usik	547	73	01.2.1	H	FL					1	9	2-3	flekke lign. avslag?	
105	48	NØ	D1	D	usik	548	72	02.5.0	FL						1	9	2-3	** spesiel kj. eller kj. frg. (konisk frg.?)	
105	48	NØ	D2	D	usik	549	86	01.5.1	BK						4	14	3-9		
105	48	NØ	D2	D	usik	550	86	01.5.1	FL						17	14	3-9		
105	48	NØ	D2	D	usik	551	86	01.5.2	FL						1	14	3-9		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mat	matkr	thermalt	ant	liter	lagtykkcm	kommentar
105	48	NØ	D2	D	usik				552	84	01.1.2	DM	FL		BR	1	14	3-9	
105	48	NV	F(K)1	F	1				553	27	01.5.1	BK				1	24		nb, inkl lit av neste lag (brun/rødt svart sprøglet) - F(K)1=kulturlag variant av F
105	48	NV	F(K)1	F	1				554	27	01.5.1	FL				4	24		nb, inkl lit av neste lag (brun/rødt svart sprøglet) - F(K)1=kulturlag variant av F
105	48	SV	F(K)1	F	1				555	27	01.5.1	BK				3	18		F(K)1=kulturlag variant av F
105	48	SV	F(K)1	F	1				556	27	01.5.1	FL				4	18		F(K)1=kulturlag variant av F
105	48	NØ	F	F*	1				557	27	01.5.1	FL				2	24	10-15	variant av lag F (ikke svart kultur lag)
105	48	NØ	F	F*	1				558	21	01.1.2	D	FL			1	24	10-15	variant av lag F (ikke svart kultur lag)
104	48	NV	C/D	usik	usik				559	86	01.5.1	BK				4	24	2-15	
104	48	NV	C/D	usik	usik				560	86	01.5.1	KT	HV	F		2	24	2-15	
104	48	NV	C/D	usik	usik				561	86	01.5.1	FL				17	24	2-15	
105	48	SV	C/D	usik	usik				562	86	01.5.1	BK				4	32	2-3	
105	48	SV	C/D	usik	usik				563	86	01.5.1	KT	HV	F		1	32	2-3	
105	48	SV	C/D	usik	usik				564	86	01.5.1	FL				25	32	2-3	
105	48	SV	C/D	usik	usik				565	85	01.1.3	M	FL			1	32	2-3	
105	48	SV	C/D	usik	usik				566	57	04.6.1	H	BA			1	32	2-3	*
105	49	NØ	D	D	usik				567	86	01.5.1	BK				3	12	4-5	
105	49	NØ	D	D	usik				568	86	01.5.1	KT	HV	F		3	12	4-5	
105	49	NØ	D	D	usik				569	86	01.5.1	FL				4	12	4-5	
105	49	NØ	D	D	usik				570	75	01.2.5	FL				1	12	4-5	** platform/core face frø? subsequently struck from "bottom" -???
105	49	NV	D	D	usik				571	86	01.5.1	BK				1	10	2-5	
105	49	NV	D	D	usik				572	86	01.5.1	KT	HV	F		1	10	2-5	
105	49	NV	D	D	usik				573	86	01.5.1	FL				6	10	2-5	
105	49	NV	D	D	usik				574	85	01.1.3	H	FL			1	10	2-5	

route	X	rate	Y	kvad	gravlag	korrlag	fase	strukt	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	49	NV	D	D	D	usik			575	85	01.1.3	D	FL				1	10	2-5	
105	49	SØ	D	D	D	usik			576	86	01.5.1		BK				4	8	2-4	
105	49	SØ	D	D	D	usik			577	86	01.5.1		KT	HV	F		1	8	2-4	
105	49	SØ	D	D	D	usik			578	86	01.5.1		FL				3	8	2-4	
105	49	SØ	D	D	D	usik			579	86	01.5.3	DM	FL				1	8	2-4	
105	49	SV	D	D	D	usik			580	86	01.5.1		BK				4	15	4-6	
105	49	SV	D	D	D	usik			581	86	01.5.1		FL				13	15	4-6	
105	49	NØ	E	E	E	2			582	55	01.5.1		BK				3	35	20	
105	49	NØ	E	E	E	2			583	55	01.5.1		KS	HV	M		2	35	20	
105	49	NØ	E	E	E	2			584	55	01.5.1		KT	HV	F		9	35	20	
105	49	NØ	E	E	E	2			585	55	01.5.1		FL				20	35	20	
105	49	NØ	E	E	E	2			586	39	01.2.1	DM	BK				1	35	20	liten
105	49	NØ	E	E	E	2			587	55	01.5.3	DM	BK				1	35	20	
105	49	NØ	E	E	E	2			588	49	01.1.3	P	FL				1	35	20	
105	49	NØ	E	E	E	2			589	49	01.1.3	P	FL				1	35	20	
105	49	NØ	E	E	E	2			590	37	02.3.0		FL				1	35	20	liten
105	49	NØ	E	E	E	2			591	34	08.3.4	F	SS				1	35	20	type? (slipe plate fig.?)
105	49	NV	E	E	E	2			592	55	01.5.1		BK				19	48	20	
105	49	NV	E	E	E	2			593	55	01.5.1		KT	HV	M		1	48	20	
105	49	NV	E	E	E	2			594	55	01.5.1		FL				38	48	20	
105	49	NV	E	E	E	2			595	49	01.1.3	H	BK				1	48	20	
105	49	NV	E	E	E	2			596	37	02.3.0	F	FL				1	48	20	
105	49	SØ	E	E	E	2			597	55	01.5.1		BK				22	48	15	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	49	SØ	E	E	2		2		598	55	01.5.1		KS	HV	M		6	48	15	
105	49	SØ	E	E	2		2		599	55	01.5.1		KT	HV	F		8	48	15	
105	49	SØ	E	E	2		2		600	55	01.5.1		FL				34	48	15	
105	49	SØ	E	E	2		2		601	34	08.3.4	F	SS				1	48	15	type? (slipe plate fig.?)
105	49	SØ	E	E	2		2		602	34	08.3.4	F	SS				1	48	15	type? (slipe plate fig.?)
105	49	SØ	E	E	2		2		603	50	15.1.0	F	SS				1	48	15	**spes. type ("wedge shaped cross-section" - dvs. slipe flatene er ikke parallel)
105	49	SØ	E	E	2		2		604	28	04.6.1	H	BA				1	48	15	* fin, sjekk type
105	49	SØ	E	E	2		2		605	51	15.2.1	H	AN				1	48	15	liten
105	49	SØ	E	E	2		2		606	52	15.5.1		PS				1	48	15	
105	49	SØ	E	E	2		2		607	52	15.5.1		PS				1	48	15	
105	49	SØ	E	E	2		2		608	52	15.5.1		PS				1	48	15	
105	49	SØ	E	E	2		2		609	52	15.5.1		PS				1	48	15	
105	49	SV	E	E	2		2		610	55	01.5.1		BK				15	49	10-20	
105	49	SV	E	E	2		2		611	55	01.5.1		KT	HV	F		5	49	10-20	
105	49	SV	E	E	2		2		612	55	01.5.1		FL				86	49	10-20	
105	49	SV	E	E	2		2		613	46	12.1.7		FL				1	49	10-20	bruksretusj
105	49	SV	E	E	2		2		614	37	02.3.0	H	BK				1	49	10-20	
105	49	SV	E	E	2		2		615	46	12.1.7		FL				1	49	10-20	
105	49	NØ	F	F	1		1		616	27	01.5.1		KT	HV	F		1	16		
105	49	NØ	F	F	1		1		617	27	01.5.1		FL				8	16		
105	49	NV	F	F	1		1		618	27	01.5.1		BK				2	19		
105	49	NV	F	F	1		1		619	27	01.5.2		BK				1	19		
105	49	NV	F	F	1		1		620	27	01.5.1		FL				7	19		

routeX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	49	SØ	F1	F	1		621	27	01.5.1	BK					9	21		
105	49	SØ	F1	F	1		622	27	01.5.1	FL					8	21		
105	49	SØ	F1	F	1		623	22	01.1.3	BK					1	21		
105	49	SØ	F1	F	1		624	27	01.5.3	FL					1	21		
105	49	SV	F1	F	1		625	27	01.5.1	BK					1	19		
105	49	SV	F1	F	1		626	27	01.5.1	FL					8	19		
105	49	SV	F1	F	1		627	22	01.1.3	M	BK				1	19		
105	49	SV	F1	F	1		628	19	12.1.7	F	FL				1	19		
105	49	NØ	F2	F	1		629	27	01.5.1	BK					3	13		
105	49	NØ	F2	F	1		630	27	01.5.1	FL					5	13		
105	49	NV	F2	F	1		631	27	01.5.1	FL					4	18		
105	49	NV	F2	F	1		632	9	12.2.1.6	P	FL				1	18		
105	49	NV	F2	F	1		633	12	02.3.0	H	KT	HV	F		1	18		
105	49	SØ	F2	F	1		634	27	01.5.1	BK					3	17		
105	49	SØ	F2	F	1		635	27	01.5.1	FL					10	17		
105	49	SØ	F2	F	1		636	22	01.1.3	M	FL				1	17		
105	49	SØ	F2	F	1		637	19	12.1.7	FL					1	17		
105	49	SV	F2	F	1		638	27	01.5.1	FL					8	18		
105	49	NØ	F3	F	1		639	27	01.5.1	BK					1	24		
105	49	NØ	F3	F	1		640	27	01.5.1	KS	HV	M			1	24		
105	49	NØ	F3	F	1		641	27	01.5.1	FL					10	24		
105	49	NØ	F3	F	1		642	27	01.5.2	FL					1	24		
105	49	NØ	F3	F	1		643	12	02.3.0	F	FL				1	24		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	49	NØ	F3	F	1	2	04.6.1	H	BG	BL							1	24		** blålig grønnstein - difus tversnitt
105	49	NV	F3	F	1	27	01.5.1		BK								2	24		
105	49	NV	F3	F	1	27	01.5.2		BK								1	24		
105	49	NV	F3	F	1	27	01.5.1		FL								7	24		
105	49	NV	F3	F	1	27	01.5.1		KT	HV	F						1	24		
105	49	SØ	F3	F	1	27	01.5.1		BK								1	24		
105	49	SØ	F3	F	1	27	01.5.1		FL								11	24		
105	49	SØ	F3	F	1	12	02.3.0	H	FL								1	24		
105	49	SV	F3	F	1	27	01.5.1		BK								1	17		
105	49	SV	F3	F	1	27	01.5.1		FL								10	17		
105	49	SV	F3	F	1	20	01.1.1	DM	FL								1	17		
105	49	SV	F3	F	1	12	02.3.0	H	FL								1	17		
105	49	NØ	F4	F	1	12	02.3.0	H	BK								1	14	2-4	
105	49	NØ	F4	F	1	27	01.5.1		KT	HV	F						1	14	2-4	
105	49	NØ	F4	F	1	27	01.5.1		FL								11	14	2-4	
105	49	NØ	F4	F	1	22	01.1.3	H	FL								1	14	2-4	
105	49	NØ	F4	F	1	27	01.5.3	H	FL								1	14	2-4	
105	49	NØ	F4	F	1	12	02.3.0	F	FL								1	14	2-4	
105	49	NV	F4	F	1	27	01.5.1		FL								3	10	2-3	
105	49	SØ	F4	F	1	27	01.5.1		BK								1	18	2-5	
105	49	SØ	F4	F	1	27	01.5.1		KS	HV	M						1	18	2-5	
105	49	SØ	F4	F	1	27	01.5.2		KT	HV	F						1	18	2-5	
105	49	SØ	F4	F	1	27	01.5.1		FL								10	18	2-5	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	49	SØ	F4	F	1				667	22	01.1.3	M	FL				1	18	2-5	
105	49	SV	F4	F	1				668	27	01.5.1		FL				1	12	2-3	
105	49	SV	F4	F	1				669	12	02.3.0	F	FL				1	12	2-3	
105	49	NØ	F/G5	F/G	1				670	27	01.5.1		BK				4	17	1-5	
105	49	NØ	F/G5	F/G	1				671	27	01.5.1		KT	HV	F		2	17	1-5	
105	49	NØ	F/G5	F/G	1				672	27	01.5.1		FL				6	17	1-5	
105	49	NØ	F/G5	F/G	1				673	22	01.1.3	P	FL				1	17	1-5	
105	49	SØ	F/G5	F/G	1				675	27	01.5.2		BK				1	18	1-5	
105	49	SØ	F/G5	F/G	1				676	27	01.5.1		KT	HV	F		3	18	1-5	
105	49	SØ	F/G5	F/G	1				677	27	01.5.1		KS	HV	M		1	18	1-5	
105	49	SØ	F/G5	F/G	1				678	27	01.5.1		FL				11	18	1-5	
105	49	SØ	F/G5	F/G	1				679	6	08.3.4	F	SS				1	18	1-5	type? (slipe plate fig.?)
105	49	NØ	F/G6	F/G	1				680	27	01.5.1		BK				1	12	0-6	
105	49	NØ	F/G6	F/G	1				681	27	01.5.1		KT	HV	F		1	12	0-6	
105	49	NØ	F/G6	F/G	1				682	27	01.5.1		FL				6	12	0-6	
105	49	SØ	F/G6	F/G	1				683	27	01.5.1		BK				1	13	1-15	
105	49	SØ	F/G6	F/G	1				684	27	01.5.1		FL				8	13	1-15	
105	49	SØ	F/G6	F/G	1				685	20	01.1.1	P	FL				1	13	1-15	
105	49	SØ	F/G6	F/G	1				686	9	12.2.1.6	M	FL				1	13	1-15	retusj langs kantene, bruksretusj?
105	50	NØ	D	D		usik			687	86	01.5.1		BK				3	24	1-15	inkl. deler av torvlaget
105	50	NØ	D	D		usik			688	86	01.5.1		KS	HV	M		1	24	1-15	inkl. deler av torvlaget
105	50	NØ	D	D		usik			689	86	01.5.1		KT	HV	F		1	24	1-15	inkl. deler av torvlaget
105	50	NØ	D	D		usik			690	86	01.5.1		FL				18	24	1-15	inkl. deler av torvlaget

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	50	NØ	D	D	D	usik			691	73	01.2.1	FL					1	24	1-15	type? - inkl. deler av torvlaget
105	50	NV	D	D	D	usik			692	86	01.5.1	BK					3	24	2-15	
105	50	NV	D	D	D	usik			693	86	01.5.1	KS	HV	M			5	24	2-15	
105	50	NV	D	D	D	usik			694	86	01.5.1	KT	HV	F			2	24	2-15	
105	50	NV	D	D	D	usik			695	86	01.5.1	FL					14	24	2-15	
105	50	NV	D	D	D	usik			696	85	01.1.3	D	FL				1	24	2-15	
105	50	NV	D	D	D	usik			697	84	01.1.2	PM	FL				1	24	2-15	
105	50	NV	D	D	D	usik			698	65	08.3.4	F	SS				1	24	2-15	type? (slippe plate fig.?)
105	50	SØ	D	D	D	usik			699	86	01.5.1	BK					2	18	1-15	
105	50	SØ	D	D	D	usik			700	86	01.5.2	BK					2	18	1-15	
105	50	SØ	D	D	D	usik			701	86	01.5.1	KT	HV	F			3	18	1-15	
105	50	SØ	D	D	D	usik			702	86	01.5.1	FL					13	18	1-15	
105	50	SØ	D	D	D	usik			703	85	01.1.3	M	FL				1	18	1-15	type? - splint? (core face trimming?)
105	50	SV	D	D	D	usik			704	86	01.5.1	BK					2	10	3-5	
105	50	SV	D	D	D	usik			705	86	01.5.1	KT	HV	F			1	10	3-5	
105	50	SV	D	D	D	usik			706	86	01.5.1	FL					7	10	3-5	
105	50	NØ	E	E	E	2			707	55	01.5.1	KT	HV	F			4	38		
105	50	NØ	E	E	E	2			708	55	01.5.1	FL					9	38		
105	50	NV	E	E	E	2			709	55	01.5.1	BK					5	30		
105	50	NV	E	E	E	2			710	55	01.5.1	KT	HV	F			1	30		
105	50	NV	E	E	E	2			711	55	01.5.1	FL					19	30		
105	50	NV	E	E	E	2			712	32	11.4.0	F	FL				1	30		
105	50	NV	E	E	E	2			713	37	02.3.0	H	FL				1	30		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	50	NV	E	E	2	714	35	02.1.1	F	FL						1	30		type usikker - brukt på ambolt stein? (bunnspiss har knusing)	
105	50	SØ	E	E	2	715	55	01.5.1		BK						3	35	10-15		
105	50	SØ	E	E	2	716	55	01.5.1		KS	HV	M				1	35	10-15		
105	50	SØ	E	E	2	717	55	01.5.1		KT	HV	F				3	35	10-15		
105	50	SØ	E	E	2	718	55	01.5.1		FL						14	35	10-15		
105	50	SØ	E	E	2	719	34	08.3.4	F	SS						1	35	10-15	** - trekantet tversnitt - type? (slipe plate fig.) - passer sammen med #723/724	
105	50	SV	E	E	2	720	55	01.5.2		KS	HV	M				1	35			
105	50	SV	E	E	2	721	55	01.5.1		KT	HV	F				1	35			
105	50	SV	E	E	2	722	55	01.5.1		FL						5	35			
105	50	SV	E	E	2	723	34	08.3.4	F	SS						1	35		type? (slipe plate fig.?) - passer sammen med #724/720	
105	50	SV	E	E	2	724	34	08.3.4	F	SS						1	35		type? (slipe plate fig.?) - passer sammen med #723/720	
105	50	NØ	F1	F	1	725	27	01.5.2		BK						1	21			
105	50	NØ	F1	F	1	726	27	01.5.2		FL						9	21			
105	50	NØ	F1	F	1	727	22	01.1.3	DM	FL						1	21			
105	50	NØ	F1	F	1	728	19	12.1.7		FL						1	21			
105	50	NV	F1	F	1	729	27	01.5.1		KT	HV	F				1	22			
105	50	NV	F1	F	1	730	27	01.5.1		FL						4	22			
105	50	NV	F1	F	1	731	22	01.1.3	P	FL						1	22			
105	50	SØ	F1	F	1	732	27	01.5.1		FL						1	16			
105	50	SV	F1	F	1	733	27	01.5.1		KT	HV	F				1	23			
105	50	SV	F1	F	1	734	27	01.5.1		FL						10	23			
105	50	SV	F1	F	1	735	12	02.3.0	H	FL						1	23		BR	
105	50	NØ	F2	F	1	736	27	01.5.1		BK						1	17			

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar	
105	50	NØ	F2	F	1		737	27	01.5.1	KT	HV	F	1	17							
105	50	NØ	F2	F	1		738	27	01.5.1	FL			8	17							
105	50	NØ	F2	F	1		739	19	12.1.7	FL			1	17							
105	50	NV	F2	F	1		740	27	01.5.1	BK			1	18							
105	50	NV	F2	F	1		741	27	01.5.2	KS	HV	M	1	18							berg krystal?
105	50	NV	F2	F	1		742	27	01.5.1	FL			7	18							
105	50	NV	F2	F	1		743	22	01.1.3	P	FL		1	18							
105	50	NV	F2	F	1		744	12	02.3.0	H	FL		1	18							
105	50	SØ	F2	F	1		745	27	01.5.1	KT	HV	F	1	14							
105	50	SØ	F2	F	1		746	27	01.5.1	FL			13	14							
105	50	SV	F2	F	1		747	27	01.5.1	BK			4	18							
105	50	SV	F2	F	1		748	27	01.5.1	KT	HV	F	1	18							
105	50	SV	F2	F	1		749	27	01.5.1	FL			4	18							
105	50	NØ	F3	F	1		750	27	01.5.1	BK			2	24							
105	50	NØ	F3	F	1		751	27	01.5.1	KS	HV	M	1	24							
105	50	NØ	F3	F	1		752	27	01.5.1	FL			11	24							
105	50	NV	F3	F	1		753	27	01.5.1	KT	HV	F	1	24							
105	50	NV	F3	F	1		754	27	01.5.1	FL			12	24							
105	50	NV	F3	F	1		755	6	08.3.4	F	SS		1	24							type? (slipe plate fig.?)
105	50	SØ	F3	F	1		756	27	01.5.1	FL			8	24							
105	50	SØ	F3	F	1		757	12	02.3.0	H	BK		1	24							
105	50	SV	F3	F	1		758	27	01.5.1	BK			2	24							
105	50	SV	F3	F	1		759	27	01.5.1	FL			8	24							

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	50	SV	F3	F	1				760	21	01.1.2	PM	FL				1	24		
105	50	SV	F3	F	1				761	6	08.3.4	F	SS				1	24		type? (slipe plate fig.?)
105	50	NØ	F4	F	1				762	27	01.5.1		BK				2	12	2-4	
105	50	NØ	F4	F	1				763	27	01.5.1		FL				12	12	2-4	
105	50	NV	F4	F	1				764	27	01.5.1		BK				1	14	3-4	
105	50	NV	F4	F	1				765	27	01.5.1		FL				4	14	3-4	
105	50	SØ	F4	F	1				766	27	01.5.1		KS	HV	M		1	12		
105	50	SØ	F4	F	1				767	27	01.5.1		FL				8	12		
105	50	SV	F4	F	1				768	27	01.5.1		BK				2	12	2-3	
105	50	SV	F4	F	1				769	27	01.5.1		KT	HV	F		3	12	2-3	
105	50	SV	F4	F	1				770	27	01.5.1		FL				7	12	2-3	
105	50	SV	F4	F	1				771	17	01.6.2	H?	FL				1	12	2-3	stikkel avspaltn.?
105	50	SV	F4	F	1				772	22	01.1.3	DM	FL				1	12	2-3	type? - splint? (core face trimming?)
105	50	SV	F4	F	1				773	21	01.1.2	M	FL				1	12	2-3	
105	50	SV	F4	F	1				774	12	02.3.0	H	FL				1	12	2-3	
105	50	NØ	F/G5	F/G	1				775	27	01.5.1		FL				1	13		
105	50	NØ	F/G5	F/G	1				776	27	01.5.1		KS	HV	M		1	13		
105	50	NØ	F/G5	F/G	1				777	27	01.5.1		KT	HV	F		1	13		
105	50	NØ	F/G5	F/G	1				778	27	01.5.1		FL				12	13		
105	50	NØ	F/G5	F/G	1				779	6	08.3.4	F	SS				1	13		type? (slipe plate fig.?)
105	50	NV	F/G5	F/G	1				780	27	01.5.1		BK				2	17		
105	50	NV	F/G5	F/G	1				781	27	01.5.2		KS	HV	M		2	17		
105	50	NV	F/G5	F/G	1				782	27	01.5.1		FL				15	17		

route	X	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	50	NV	F/G5	F/G	1		783	19	12.1.7	FL					1	17			
105	50	SØ	F/G5	F/G	1		784	27	01.5.1	BK					1	15			
105	50	SØ	F/G5	F/G	1		785	27	01.5.1	KT		HV	F		1	15			
105	50	SØ	F/G5	F/G	1		786	27	01.5.1	FL					5	15			
105	50	SØ	F/G5	F/G	1		787	11	12.2.2.6	M	FL				1	15			
105	50	SV	F/G5	F/G	1		788	27	01.5.1	BK					3	17			
105	50	SV	F/G5	F/G	1		789	27	01.5.1	FL					6	17			
105	50	SV	F/G5	F/G	1		790	12	02.3.0	H	FL				1	17			
105	50	NØ	F/G6	F/G	1		791	27	01.5.1	BK					1	12	0-5		* spes. type, "kvadratisk", slått langs 2 akser, dvs 4 plattform 2 mm såld
105	50	NØ	F/G6	F/G	1		792	27	01.5.1	KS		HV	M		1	12	0-5		2 mm såld
105	50	NØ	F/G6	F/G	1		793	27	01.5.1	KT		HV	F		1	12	0-5		2 mm såld
105	50	NØ	F/G6	F/G	1		794	27	01.5.1	FL					13	12	0-5		2 mm såld
105	50	NV	F/G6	F/G	1		795	27	01.5.1	BK					2	20	0-6		2 mm såld
105	50	NV	F/G6	F/G	1		796	27	01.5.1	FL					15	20	0-6		2 mm såld
105	50	NV	F/G6	F/G	1		797	27	01.5.3	FL					1	20	0-6		2 mm såld
105	50	NV	F/G6	F/G	1		798	21	01.1.2	M	FL				1	20	0-6		2 mm såld
105	50	SØ	F/G6	F/G	1		799	27	01.5.1	BK					5	19			
105	50	SØ	F/G6	F/G	1		800	27	01.5.1	KT		HV	F		1	19			
105	50	SØ	F/G6	F/G	1		801	27	01.5.1	FL					17	19			
105	50	SØ	F/G6	F/G	1		802	12	02.3.0	F	FL				1	19			type usikker, m/korteks
105	50	SV	F/G6	F/G	1		803	27	01.5.1	BK					2	19			
105	50	SV	F/G6	F/G	1		804	27	01.5.1	KT		HV	M		1	19			
105	50	SV	F/G6	F/G	1		805	27	01.5.1	FL					7	19			

route	X	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	50	SV	F/G6	F/G	1		806	8	12.5.2		BK				1	19			
105	50	SV	F/G6	F/G	1		807	12	02.3.0	F	KT	HV	F		1	19			
106	46	NØ	C/D	usik	usik		808	86	01.5.1		KT	HV	F		1	3	1-2		
106	46	NØ	C/D	usik	usik		809	86	01.5.1		FL				1	3	1-2		
106	46	NV	C/D	usik	usik		810	86	01.5.1		BK				1	14	0-10		
106	46	NV	C/D	usik	usik		811	86	01.5.1		FL				7	14	0-10		
106	46	SØ	C/D	usik	usik		812	86	01.5.1		BK				4	24	1-10		
106	46	SØ	C/D	usik	usik		813	86	01.5.1		KT	HV	F		1	24	1-10		
106	46	SØ	C/D	usik	usik		814	86	01.5.1		FL				16	24	1-10		
106	46	SØ	C/D	usik	usik		815	74	01.2.2		BK				1	24	1-10		plunge
106	46	SØ	C/D	usik	usik		816	65	08.3.4	F	SS				1	24	1-10		type? (slipe plate fig.?)
106	46	SV	C/D	usik	usik		817	86	01.5.1		BK				2	32	5-9		
106	46	SV	C/D	usik	usik		818	86	01.5.1		KT	HV	F		2	32	5-9		
106	46	SV	C/D	usik	usik		819	86	01.5.1		FL				7	32	5-9		
106	46	NØ	E	E	2		820	55	01.5.1		BK				3	46	4-16		
106	46	NØ	E	E	2		821	55	01.5.2		BK				2	46	4-16		
106	46	NØ	E	E	2		822	55	01.5.1		KS	HV	M		1	46	4-16		
106	46	NØ	E	E	2		823	55	01.5.1		KT	HV	F		2	46	4-16		* NB en lign. sideavslag fra skiveøks
106	46	NØ	E	E	2		824	55	01.5.1		FL				23	46	4-16		
106	46	NØ	E	E	2		825	55	01.5.3	H	FL				1	46	4-16		
106	46	NØ	E	E	2		826	55	01.5.3	M	FL				1	46	4-16		
106	46	NØ	E	E	2		827	48	01.1.2	PM	FL				1	46	4-16		
106	46	NØ	E	E	2		828	41	01.6.3	M	FL				1	46	4-16		

route	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	46	NØ	E	E	2	2	829	45	12.2.3.6	M	FL				1	46	4-16		
106	46	NØ	E	E	2	2	830	46	12.1.7		FL				1	46	4-16		tange, borspiss fig?
106	46	NØ	E	E	2	2	831	46	12.1.7		FL				1	46	4-16		avslag m/ tange? borspiss fig.?
106	46	NØ	E	E	2	2	832	37	02.3.0	H	FL				1	46	4-16		
106	46	NØ	E	E	2	2	833	37	02.3.0	H	FL				1	46	4-16		
106	46	NØ	E	E	2	2	834	37	02.3.0	H	FL				1	46	4-16		
106	46	NV	E	E	2	2	835	55	01.5.1		BK				4	19	0-10		
106	46	NV	E	E	2	2	836	55	01.5.1		KT	HV	F		1	19	0-10		
106	46	NV	E	E	2	2	837	55	01.5.1		FL				7	19	0-10		
106	46	SØ	E	E	2	2	838	55	01.5.1		BK				3	8	0-16		
106	46	SØ	E	E	2	2	839	55	01.5.1		KT	HV	F		2	8	0-16		
106	46	SØ	E	E	2	2	840	55	01.5.1		FL				13	8	0-16		
106	46	NV	F(K)I	F	1	1	841	27	01.5.1		BK				2	12			F(K)I=kulturlag variant av F
106	46	NV	F(K)I	F	1	1	842	27	01.5.1		KT	HV	F		1	12			F(K)I=kulturlag variant av F
106	46	NV	F(K)I	F	1	1	843	27	01.5.1		FL				4	12			F(K)I=kulturlag variant av F
106	46	SØ	F(K)I	F	1	1	844	27	01.5.1		BK				3	12			F(K)I=kulturlag variant av F
106	46	SØ	F(K)I	F	1	1	845	27	01.5.1		FL				10	12			F(K)I=kulturlag variant av F
106	46	SØ	F(K)I	F	1	1	846	27	01.5.3	H	FL				1	12			F(K)I=kulturlag variant av F
106	46	SV	F(K)I	F	1	1	847	27	01.5.1		KT	HV	F		1	12			F(K)I=kulturlag variant av F
106	46	SV	F(K)I	F	1	1	848	27	01.5.1		HA				1	12			F(K)I=kulturlag variant av F
106	47	NØ	C/D	usik		usik	849	86	01.5.1		BK				6	11	2-6		
106	47	NØ	C/D	usik		usik	850	86	01.5.1		KT	HV	F		5	11	2-6		
106	47	NØ	C/D	usik		usik	851	86	01.5.1		FL				18	11	2-6		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	47	SØ	C/D	usik	usik	852	86	01.5.1	BK								1	25	3-13	
106	47	SØ	C/D	usik	usik	853	86	01.5.1	FL								2	25	3-13	
106	47	SØ	C/D	usik	usik	854	71	02.3.0	FL								1	25	3-13	
106	47	SV	C/D	usik	usik	855	86	01.5.1	BK								6	13	1-13	
106	47	SV	C/D	usik	usik	856	86	01.5.1	KT	HV	F						1	13	1-13	
106	47	SV	C/D	usik	usik	857	86	01.5.1	FL								19	13	1-13	
106	47	NØ	E/F	usik	usik	858	86	01.5.1	KT	HV	F						1	48	10	
106	47	NØ	E/F	usik	usik	859	86	01.5.1	FL								4	48	10	
106	47	NV	E/F	usik	usik	860	86	01.5.1	BK								6	42	10-18	
106	47	NV	E/F	usik	usik	861	86	01.5.1	KT	HV	F						1	42	10-18	
106	47	NV	E/F	usik	usik	862	86	01.5.1	FL								7	42	10-18	
106	47	NV	E/F	usik	usik	863	71	02.3.0	BK								1	42	10-18	
106	47	NV	E/F	usik	usik	864	86	01.5.1	BA								1	42	10-18	
106	47	SØ	E/F	usik	usik	865	86	01.5.1	FL								1	19	0-10	
106	47	SØ	E/F	usik	usik	866	86	01.5.3	H	FL							1	19	0-10	
106	46	SØ	E/F	usik	usik	867	79	12.2.1.6	M	FL							1	19	0-10	
106	47	SV	E/F	usik	usik	868	86	01.5.1	BK								2	20	0-10	
106	47	SV	E/F	usik	usik	869	86	01.5.1	KT	HV	F						1	20	0-10	
106	47	SV	E/F	usik	usik	870	86	01.5.1	FL								17	20	0-10	
106	47	SV	E/F	usik	usik	871	86	01.5.3	FL								1	20	0-10	
106	47	SV	E/F	usik	usik	872	86	01.5.3	FL								1	20	0-10	
106	47	SV	E/F	usik	usik	873	80	12.2.2.6	M	FL							1	20	0-10	
106	47	SV	E/F	usik	usik	874	79	12.2.1.6	M	FL							1	20	0-10	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	47	SØ	F(K)1	F	1	1	875	27	01.5.1	KS	HV	M	1	9	F(K)1=kulturlag variant av F					
106	47	SØ	F(K)1	F	1	1	876	27	01.5.1	FL			1	9	F(K)1=kulturlag variant av F					
106	47	SV	F(K)1	F	1	1	877	27	01.5.1	BK			1	11	F(K)1=kulturlag variant av F					
106	47	SV	F(K)1	F	1	1	878	27	01.5.1	FL			3	11	F(K)1=kulturlag variant av F					
106	48	NV	C/D	usik	usik	879	86	01.5.1	BK				2	13	1-10					
106	48	NV	C/D	usik	usik	880	86	01.5.1	KT	HV	F		1	13	1-10					
106	48	NV	C/D	usik	usik	881	86	01.5.1	FL				14	13	1-10					
106	48	NV	C/D	usik	usik	882	84	01.1.2	DM	FL			1	13	1-10					
106	48	SV	C/D	usik	usik	883	86	01.5.1	KT	HV	M		1	18	2-12					
106	48	SV	C/D	usik	usik	884	86	01.5.1	KT	HV	F		1	18	2-12					
106	48	SV	C/D	usik	usik	885	86	01.5.1	FL				18	18	2-12					
106	48	SV	C/D	usik	usik	886	65	08.3.4	F	SS			1	18	2-12	type? (slipe plate fig.?)				
106	48	SV	C/D	usik	usik	887	71	02.3.0	F	FL			1	18	2-12					
106	48	NV	E	E	2	888	55	01.5.1	BK				2	20	5					
106	48	NV	E	E	2	889	55	01.5.1	FL				1	20	5					
106	48	SV	E	E	2	890	55	01.5.1	FL				3	5	0-8					
106	48	NV	E/F2	usik	usik	891	86	01.5.1	BK				2	17						
106	48	NV	E/F2	usik	usik	892	86	01.5.1	KT	HV	F		1	17						
106	48	NV	E/F2	usik	usik	893	86	01.5.1	FL				3	17						
106	48	NV	F(K)1	F	1	894	27	01.5.1	BK				1		F(K)1=kulturlag variant av F					
106	48	NV	F(K)1	F	1	895	27	01.5.1	FL				6		F(K)1=kulturlag variant av F					
106	48	NV	F(K)1	F	1	896	18	01.6.3	H	FL			1		F(K)1=kulturlag variant av F					
106	49	NØ	D	D	usik	897	86	01.5.1	KT	HV	F		1	24	5-8					

rateX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	49	NØ	D	D	usik		898	86	01.5.1	FL	FL				18	24	5-8	
106	49	NØ	D	D	usik		899	85	01.1.3	DM	FL				1	24	5-8	
106	49	NØ	D	D	usik		900	79	12.2.1.6	PM	FL				1	24	5-8	flekke lign.? - med korteks
106	49	NØ	D	D	usik		901	65	08.3.4	F	SS				1	24	5-8	type? (slipe plate fig.?)
106	49	NØ	D	D	usik		902	71	02.3.0		RK				1	24	5-8	* røyk kvarts
106	49	NV	D	D	usik		903	86	01.5.1		BK				3	20		
106	49	NV	D	D	usik		904	86	01.5.1		KT	HV	M		1	20		
106	49	NV	D	D	usik		905	86	01.5.1		KT	HV	F		3	20		
106	49	NV	D	D	usik		906	86	01.5.1		FL				22	20		
106	49	NV	D	D	usik		907	86	01.5.1		FL				1	20		* vannrullet (skadene ligner retusj)
106	49	NV	D	D	usik		908	71	02.3.0	H	FL				1	20		
106	49	SØ	D	D	usik		909	86	01.5.2		BK				1	18	4-6	
106	49	SØ	D	D	usik		910	86	01.5.1		KT	HV	M		2	18	4-6	
106	49	SØ	D	D	usik		911	86	01.5.1		KT	HV	F		1	18	4-6	
106	49	SØ	D	D	usik		912	86	01.5.1		KT	GÅ	M		1	18	4-6	
106	49	SØ	D	D	usik		913	86	01.5.1		FL				15	18	4-6	
106	49	SØ	D	D	usik		914	86	01.5.3	H	KT	HV	F		1	18	4-6	
106	49	SØ	D	D	usik		915	85	01.1.3	M	FL				1	18	4-6	
106	49	SØ	D	D	usik		916	84	01.1.2	PM	FL				1	18	4-6	
106	49	SØ	D	D	usik		917	65	08.3.4	F	SS				1	18	4-6	type? (slipe plate fig.?)
106	49	SV	D	D	usik		918	86	01.5.1		BK				6	24	5-8	
106	49	SV	D	D	usik		919	86	01.5.1		KT	HV	F		2	24	5-8	relativ stor
106	49	SV	D	D	usik		920	86	01.5.1		KT	HV	M		1	24	5-8	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	49	SV	D	D	D	D	usik		921	86	01.5.1	FL					27	24	5-8	
106	49	SV	D	D	D	D	usik		922	65	08.3.4	F	SS				1	24	5-8	type? (slipe plate fig.?) - veldig skjør
106	49	SV	D	D	D	D	usik		923	64	08.3.1.3	F	SS				1	24	5-8	beveled working edge - veldig skjør
106	49	SV	D	D	D	D	usik		924	58	09.5.1	H	FL				1	24	5-8	
106	49	NØ	E	E	E	E	2		925	55	01.5.1		BK				2	30		
106	49	NØ	E	E	E	E	2		926	55	01.5.1		KT	HV	F		2	30		
106	49	NØ	E	E	E	E	2		927	55	01.5.1		FL				16	30		
106	49	NØ	E	E	E	E	2		928	48	01.1.2	H	FL				1	30		** stor, fin, fra konisk kj (curved inwards at distal end)
106	49	NØ	E	E	E	E	2		929	48	01.1.2	P	FL				1	30		
106	49	NV	E	E	E	E	2		930	55	01.5.1		BK				4	33		
106	49	NV	E	E	E	E	2		931	55	01.5.1		KS	HV	M		1	33		
106	49	NV	E	E	E	E	2		932	55	01.5.1		KT	HV	F		1	33		
106	49	NV	E	E	E	E	2		933	55	01.5.1		FL				7	33		
106	49	NV	E	E	E	E	2		934	49	01.1.3	P	FL				1	33		
106	49	NV	E	E	E	E	2		935	30	09.5.2	H	FL				1	33		på stor flekke (flekke lign. avslag?)
106	49	NV	E	E	E	E	2		936	46	12.1.7		FL				1	33		skraper fig.?
106	49	NV	E	E	E	E	2		937	46	12.1.7		FL				1	33		
106	49	NV	E	E	E	E	2		938	32	11.4.0		FL				1	33		* på plattform avslag
106	49	NV	E	E	E	E	2		939	37	02.3.0	H	FL				1	33		
106	49	SV	E	E	E	E	2		940	55	01.5.1		BK				2	24		
106	49	SV	E	E	E	E	2		941	55	01.5.1		FL				10	24		
106	49	SV	E	E	E	E	2		942	55	01.5.3	M	FL				1	24		
106	49	SV	E	E	E	E	2		943	49	01.1.3	M	FL				1	24		type?

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	49	SV	E	E	2	49	01.1.3	H	FL	FL	1	24								type? - splint? (core face trimming?)
106	49	SV	E	E	2	41	01.6.3	H	FL	FL	1	24								
106	49	SV	E	E	2	37	02.3.0	F	FL	FL	1	24								
106	49	SV	E	E	2	34	08.3.4	F	SS	SS	1	24								
106	49	SØ	E	E	2	55	01.5.1		BK	BK	3	33								
106	49	SØ	E	E	2	55	01.5.1		KT	HV M	1	33								
106	49	SØ	E	E	2	55	01.5.1		FL	FL	18	33								
106	49	SØ	E	E	2	49	01.1.3	H	FL	FL	1	33								
106	49	SØ	E	E	2	45	12.2.3.6	M	FL	FL	1	33								
106	49	SØ	E	E	2	31	11.2.2	D	FL	FL	1	33								
106	49	NØ	FI	F	1	27	01.5.1		KT	HV F	1	24								
106	49	NØ	FI	F	1	22	01.1.3	M	FL	FL	1	24								
106	49	NØ	FI	F	1	11	12.2.2.6	DM	FL	FL	1	24								nesten hel (kun platform er skadet) - 12.2.2.6 eller 01.2.1 (plunge) m/retusj - henv også #1040
106	49	NØ	FI	F	1	19	12.1.7		FL	FL	1	24								
106	49	NØ	FI	F	1	5	11.4.0		FL	FL	1	24								
106	49	NV	FI	F	1	27	01.5.1		FL	FL	2	24								
106	49	NV	FI	F	1	22	01.1.3	M	FL	FL	1	24								
106	49	NV	FI	F	1	22	01.1.3	M	FL	FL	1	24								
106	49	NV	FI	F	1	22	01.1.3	D	FL	FL	1	24								
106	49	SØ	FI	F	1	27	01.5.1		BK	BK	1	24								
106	49	SØ	FI	F	1	27	01.5.1		KT	HV F	1	24								
106	49	SØ	FI	F	1	27	01.5.1		FL	FL	9	24								
106	49	SØ	FI	F	1	6	08.3.4	F	SS	SS	1	24								type? slipe plate frg? - passer sammen med # 967

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	49	SØ	F1	F	1			967	6	08.3.4	F	SS					1	24		type? slipe plate frg? - passer sammen med # 966
106	49	SV	F1	F	1			968	27	01.5.1		BK					1	24		
106	49	SV	F1	F	1			969	27	01.5.1		FL					1	24		
106	49	SV	F1	F	1			970	12	02.3.0	F	FL					1	24		
106	49	NØ	F2	F	1			971	27	01.5.1		KS	HV	M			1	22		
106	49	NØ	F2	F	1			972	27	01.5.1		KT	HV	F			1	22		
106	49	NØ	F2	F	1			973	27	01.5.1		FL					7	22		
106	49	NØ	F2	F	1			974	21	01.1.2	P	BK					1	22		
106	49	NV	F2	F	1			975	27	01.5.1		FL					2	14		
106	49	NV	F2	F	1			976	21	01.1.2	M	FL					1	14		
106	49	SØ	F2	F	1			977	27	01.5.1		KS	HV	M			1	24		
106	49	SØ	F2	F	1			978	27	01.5.1		FL					8	24		
106	49	NØ	F3	F	1			979	27	01.5.1		BK					1	24		
106	49	NØ	F3	F	1			980	27	01.5.1		KT	HV	F			2	24		
106	49	NØ	F3	F	1			981	27	01.5.1		FL					18	24		
106	49	NØ	F3	F	1			982	11	12.2.2.6	H	FL					1	24		*spesial
106	49	NV	F3	F	1			983	27	01.5.1		FL					3	18		
106	49	NV	F3	F	1			984	21	01.1.2	M	FL					1	18		
106	49	SØ	F3	F	1			985	27	01.5.1		BK					1	20		
106	49	SØ	F3	F	1			986	27	01.5.1		FL					5	20		
106	49	SV	F3	F	1			987	27	01.5.1		FL					2	19		
106	49	NØ	F4	F	1			988	27	01.5.1		FL					3	9	2	
106	49	NV	F4	F	1			989	22	01.1.3		FL					1	8	2-4	type? - med korteks

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	49	SØ	F4	F	1				990	27	01.5.1	FL					3	14	2-3	
106	49	SV	F4	F	1				991	27	01.5.1	FL					5	12	2-5	
106	50	NØ	D	D	usik				992	86	01.5.1	BK					8	24	2-10	
106	50	NØ	D	D	usik				993	86	01.5.1	KT	HV	F			4	24	2-10	
106	50	NØ	D	D	usik				994	86	01.5.1	FL					26	24	2-10	
106	50	NØ	D	D	usik				995	85	01.1.3	PM	BK				1	24	2-10	
106	50	NØ	D	D	usik				996	85	01.1.3	PM	FL				1	24	2-10	
106	50	NØ	D	D	usik				997	85	01.1.3	P	FL				1	24	2-10	
106	50	NØ	D	D	usik				998	60	96.0.0	F	FL				1	24	2-10	*borspiss? - tange til C/D pil? annet?
106	50	NØ	D	D	usik				999	71	02.3.0	P	KT	HV	F		1	24	2-10	
106	50	NV	D	D	usik				1000	86	01.5.1	BK					6	24	2-10	
106	50	NV	D	D	usik				1001	86	01.5.1	KS	HV	M			3	24	2-10	
106	50	NV	D	D	usik				1002	86	01.5.1	KT	HV	F			3	24	2-10	
106	50	NV	D	D	usik				1003	86	01.5.1	KT	HV	M			1	24	2-10	
106	50	NV	D	D	usik				1004	86	01.5.1	FL					20	24	2-10	
106	50	NV	D	D	usik				1005	86	01.5.3	DM	FL				1	24	2-10	
106	50	NV	D	D	usik				1006	67	02.1.3	H	RK				1	24	2-10	* røyk kvarts, fin mat.
106	50	SØ	D	D	usik				1007	86	01.5.1	BK					3	18	5-10	
106	50	SØ	D	D	usik				1008	86	01.5.1	KT	HV	F			5	18	5-10	
106	50	SØ	D	D	usik				1009	86	01.5.1	FL					5	18	5-10	
106	50	SØ	D	D	usik				1010	84	01.1.2	M	BK				1	18	5-10	
106	50	SØ	D	D	usik				1011	82	12.1.7	FL					1	18	5-10	
106	50	SØ	D	D	usik				1012	82	12.1.7	FL					1	18	5-10	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	50	SV	D	D	usik		1013	86	01.5.1	BK							6	20	1-10	
106	50	SV	D	D	usik		1014	86	01.5.1	KS	HV	M					1	20	1-10	
106	50	SV	D	D	usik		1015	86	01.5.1	KT	HV	F					1	20	1-10	
106	50	SV	D	D	usik		1016	86	01.5.1	FL							13	20	1-10	
106	50	SV	D	D	usik		1017	86	01.5.3	H	FL						1	20	1-10	
106	50	NØ	E	E	2		1018	55	01.5.1	BK							2	24		
106	50	NØ	E	E	2		1019	55	01.5.1	FL							11	24		
106	50	NØ	E	E	2		1020	49	01.1.3	FL							1	24		
106	50	NØ	E	E	2		1021	46	12.1.7	FL							1	24		knusing, kan tyder på bipolar kj. frg.
106	50	NV	E	E	2		1022	55	01.5.1	BK							2	24		
106	50	NV	E	E	2		1023	55	01.5.1	KT	HV	F					1	24		
106	50	NV	E	E	2		1024	55	01.5.1	FL							12	24		
106	50	NV	E	E	2		1025	37	02.3.0	H	FL						1	24		
106	50	SØ	E	E	2		1026	55	01.5.1	BK							4	27		
106	50	SØ	E	E	2		1027	55	01.5.1	KS	HV	M					1	27		
106	50	SØ	E	E	2		1028	55	01.5.1	KT	HV	F					1	27		
106	50	SØ	E	E	2		1029	55	01.5.1	FL							6	27		
106	50	SØ	E	E	2		1030	55	01.5.3	M	FL						1	27		
106	50	SV	E	E	2		1031	55	01.5.1	FL							14	48		
106	50	SV	E	E	2		1032	49	01.1.3	D	FL						1	48		
106	50	NØ	FI	F	1		1033	27	01.5.1	BK							1	24		
106	50	NØ	FI	F	1		1034	27	01.5.1	FL							8	24		
106	50	NØ	FI	F	1		1035	11	12.2.2.6	FL							1	24		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	50	NV	F1	F	1	1036	27	01.5.1	KT	HV	F						2	24		
106	50	NV	F1	F	1	1037	27	01.5.1	FL								7	24		
106	50	NV	F1	F	1	1038	21	01.1.2	M	FL							1	24		
106	50	NV	F1	F	1	1039	11	12.2.2.6	M	FL							1	24		
106	50	NV	F1	F	1	1040	11	12.2.2.6		FL							1	24		12.2.2.6 eller 01.2.1 (plunge) m/retusj - henv 3956
106	50	SØ	F1	F	1	1041	27	01.5.1	FL								5	24		
106	50	SØ	F1	F	1	1042	6	08.3.4	F	SS							1	24		type? (slipe plate fig.?)
106	50	SV	F1	F	1	1043	27	01.5.1	BK								1	24		
106	50	SV	F1	F	1	1044	27	01.5.1	KS	HV	F						1	24		
106	50	SV	F1	F	1	1045	27	01.5.1	FL								10	24		
106	50	SV	F1	F	1	1046	19	12.1.7	FL								1	24		bruksretusj
106	50	SV	F1	F	1	1047	5	11.4.0	FL								1	24		
106	50	NØ	F2	F	1	1048	27	01.5.1	FL								1	22		
106	50	NØ	F2	F	1	1049	27	01.5.2	KS	HV	M						1	22		
106	50	NØ	F2	F	1	1050	27	01.5.1	KT	HV	F						2	22		
106	50	NØ	F2	F	1	1051	27	01.5.1	FL								4	22		
106	50	NV	F2	F	1	1052	27	01.5.1	BK								1	24		
106	50	NV	F2	F	1	1053	27	01.5.1	KS	HV	M						1	24		
106	50	NV	F2	F	1	1054	27	01.5.1	KT	HV	F						1	24		
106	50	NV	F2	F	1	1055	27	01.5.1	FL								14	24		
106	50	NV	F2	F	1	1056	22	01.1.3	D	FL							1	24		
106	50	NV	F2	F	1	1057	21	01.1.2	DM	FL							1	24		
106	50	NV	F2	F	1	1058	20	01.1.1	P	FL							1	24		

* spes. type - (domed - both concave and convex working edges)

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	50	NV	F2	F	1				1059	12	02.3.0	H	FL				1	24		
106	50	SØ	F2	F	1				1060	27	01.5.1		BK				3	16		
106	50	SØ	F2	F	1				1061	27	01.5.1		FL				4	16		
106	50	SV	F2	F	1				1062	27	01.5.1		BK				2	20		
106	50	SV	F2	F	1				1063	27	01.5.1		FL				11	20		
106	50	SV	F2	F	1				1064	27	01.5.3	PM	FL				1	20		
106	50	SV	F2	F	1				1065	27	01.5.3	D	FL				1	20		
106	50	SV	F2	F	1				1066	27	01.5.3	M	FL				1	20		
106	50	NØ	F3	F	1				1067	27	01.5.1		FL				3	21		
106	50	NV	F3	F	1				1068	27	01.5.1		FL				9	20		
106	50	NV	F3	F	1				1069	19	12.1.7		FL				1	20		bruksretusj
106	50	SØ	F3	F	1				1070	27	01.5.1		BK				5	16		
106	50	SØ	F3	F	1				1071	27	01.5.1		FL				9	16		
106	50	SØ	F3	F	1				1072	12	02.3.0	H	FL				1	16		
106	50	SV	F3	F	1				1073	27	01.5.1		BK				3	20		
106	50	SV	F3	F	1				1074	27	01.5.1		FL				10	20		
106	50	SV	F3	F	1				1075	12	02.3.0	H	FL				1	20		
106	50	NØ	F4	F	1				1076	27	01.5.1		FL				2	6	1-2	
106	50	NV	F4	F	1				1077	27	01.5.1		BK				2	8	1-3	
106	50	NV	F4	F	1				1078	27	01.5.1		FL				1	8	1-3	
106	50	SØ	F4	F	1				1079	27	01.5.1		FL				7	12	1-4	
106	50	SV	F4	F	1				1080	27	01.5.1		BK				1	10	3	
106	50	SV	F4	F	1				1081	27	01.5.1		FL				4	10	3	

route	X	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
106	50	SV	F4	F	1		1082	14	01.2.4	FL					4	10	3		plattform avslag
106	50	SØ	F/G5	F/G	1		1083	27	01.5.1	BK					1	20	0-5		
106	50	SØ	F/G5	F/G	1		1084	27	01.5.1	KS	HV	M			1	20	0-5		
106	50	SØ	F/G5	F/G	1		1085	27	01.5.1	FL					5	20	0-5		
106	50	SV	F/G5	F/G	1		1086	27	01.5.1	BK					1	17	2-6		
106	50	SV	F/G5	F/G	1		1087	27	01.5.1	FL					6	17	2-6		
106	50	SØ	F/G5	F/G	1		1088	27	01.5.1	FL					3	5	0-5		2 mm såld
107	46	NØ	A	A	usik		1089	86	01.5.1	FL					1	10	2-4		
107	46	NV	A	A	usik		1090	86	01.5.1	KS	HV	G			2	10	2-4		
107	46	NV	A	A	usik		1091	86	01.5.0	FL					10	10	2-4		
107	46	SØ	A	A	usik		1092	86	01.5.0	KS	HV	F			1	12	2-6		
107	46	SV	A	A	usik		1093	86	01.5.0	KS	HV	M			1	12	2-6		
107	46	SV	A	A	usik		1094	86	01.5.0	FL					2	12	2-6		
107	46	SV	A	A	usik		1095	61	11.2.1	FL					1	12	2-6		
107	46	NØ	E	E	2		1096	55	01.5.0	BK					1	44	8-15		
107	46	NØ	E	E	2		1097	55	01.5.0	FL					3	44	8-15		
107	46	NV	E	E	2		1098	55	01.5.0	BK					3	24	6-10		
107	46	NV	E	E	2		1099	55	01.5.0	FL					3	24	6-10		
107	46	SØ	E	E	2		1100	55	01.5.0	KT	HV	F			2	39	8-14		
107	46	SØ	E	E	2		1101	55	01.5.0	FL					9	39	8-14		
107	46	SØ	E	E	2		1102	37	02.3.0	H	FL				1	39	8-14		* liten
107	46	SV	E	E	2		1103	55	01.5.0	BK					3	36	2-12		
107	46	SV	E	E	2		1104	55	01.5.0	KT	HV	F			2	36	2-12		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	46	SV	E	E	2	2	usik	1105	55	01.5.0	FL						14	36	2-12	
107	46	SV	E	E	2	2	usik	1106	48	01.1.2	D	FL					1	36	2-12	
107	46	SV	E	E	2	2	usik	1107	37	02.3.0	H	FL					1	36	2-12	*liten
107	47	NØ	A	A	2	2	usik	1108	86	01.5.0		KT	HV	F			1	17		
107	47	NØ	A	A	2	2	usik	1109	86	01.5.0		FL					1	17		
107	47	NV	A	A	2	2	usik	1110	86	01.5.0		KS	HV	M			1	10		
107	47	NV	A	A	2	2	usik	1111	86	01.5.0		KT	HV	F			1	10		
107	47	NV	A	A	2	2	usik	1112	86	01.5.0		FL					3	10		
107	47	NV	A	A	2	2	usik	1113	59	09.5.2	H	FL			BR		1	10		
107	47	SØ	A	A	2	2	usik	1114	86	01.5.0		BK			BR		2	24		
107	47	SØ	A	A	2	2	usik	1115	86	01.5.0		FL					3	24		
107	47	SV	A	A	2	2	usik	1116	86	01.5.0		KS	BL	M			1	17		
107	47	SV	A	A	2	2	usik	1117	85	01.1.3	D	FL					1	17		
107	47	NØ	C/D	usik	2	2	usik	1118	86	01.5.0		FL					2	3	1-3	
107	47	NV	C/D	usik	2	2	usik	1119	86	01.5.0		FL					3	2	1-2	
107	47	NØ	E	E	2	2	usik	1120	55	01.5.0		FL					2	36	8-12	
107	47	NV	E	E	2	2	usik	1121	55	01.5.0		BK					2	36	8-12	
107	47	NV	E	E	2	2	usik	1122	55	01.5.0		KT	HV	F			1	36	8-12	
107	47	NV	E	E	2	2	usik	1123	55	01.5.0		KS	HV	G			1	36	8-12	
107	47	NV	E	E	2	2	usik	1124	55	01.5.0		KS	BL	G			3	36	8-12	* passer sammen - natur?
107	47	NV	E	E	2	2	usik	1125	55	01.5.0		FL					4	36	8-12	
107	47	SØ	E	E	2	2	usik	1126	55	01.5.0		KS	HV	M			1	36	7-10	
107	47	SØ	E	E	2	2	usik	1127	55	01.5.0		KT	HV	F			1	36	7-10	

route	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	47	SV	E	E	2		1128	55	01.5.0	KS	HV	M			1	48	10-18	
107	47	SV	E	E	2		1129	55	01.5.0	FL					1	48	10-18	
107	48	NV	C/D	usik	usik		1130	86	01.5.0	BK					2	12	2-5	
107	48	NV	C/D	usik	usik		1131	86	01.5.0	KS	HV	M			1	12	2-5	
107	48	NV	C/D	usik	usik		1132	86	01.5.0	FL					5	12	2-5	
107	48	NV	C/D	usik	usik		1133	85	01.1.3	PM	FL				1	12	2-5	
107	48	NV	C/D	usik	usik		1134	84	01.1.2	PM	FL				1	12	2-5	
107	48	NV	C/D	usik	usik		1135	71	02.3.0	F	FL				1	12	2-5	
107	48	SV	C/D	usik	usik		1136	86	01.5.0	BK					2	14	2-10	
107	48	SV	C/D	usik	usik		1137	86	01.5.0	KS	HV	M			1	14	2-10	
107	48	SV	C/D	usik	usik		1138	86	01.5.0	FL					11	14	2-10	
107	48	SV	C/D	usik	usik		1139	83	01.1.1	D	FL		BR		1	14	2-10	med korteks, stor, tykk
107	48	NV	E/F*	usik	usik		1140	86	01.5.0	BK	RD				1	36		* kommentar til mek.lag. - skal lese E/F(1+2)
107	48	NV	E/F*	usik	usik		1141	86	01.5.0	KT	HV	F			1	36		* kommentar til mek.lag. - skal lese E/F(1+2)
107	48	NV	E/F*	usik	usik		1142	86	01.5.0	FL			BR		16	36		* kommentar til mek.lag. - skal lese E/F(1+2) - flere brent med korteks og passer sammen
107	48	SV	E/F1	usik	usik		1143	86	01.5.0	BK					1	24		
107	48	SV	E/F1	usik	usik		1144	86	01.5.0	FL					5	24		
107	48	SV	E/F2	usik	usik		1145	86	01.5.0	BK					2	21		
107	48	SV	E/F2	usik	usik		1146	86	01.5.0	FL			BR		3	21		noen brente
107	49	NV	1b	A/C	usik		1147	86	01.5.0	BK					1	10		prøvestikk
107	49	NV	1b	A/C	usik		1148	86	01.5.0	FL			BR		5	10		flere brente - prøvestikk
107	49	NV	2b	C/D	usik		1149	86	01.5.0	BK					2	12		prøvestikk
107	49	NV	2b	C/D	usik		1150	86	01.5.0	KT	HV	F			1	12		prøvestikk

route	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mat	matf	matkr	ther	mal	ant	liter	lag	tykk	cm	kommentar
107	49	NV	2b	C/D	usik		1151	86	01.5.0	FL							14	12				prøvestikk
107	49	NV	3c	E	2		1152	55	01.5.0	BK							4	12				prøvestikk
107	49	NV	3c	E	2		1153	55	01.5.0	FL							7	12				prøvestikk
107	49	NV	3c	E	2		1154	46	12.1.7	FL							1	12				skraper fig.? - prøve
107	49	NV	4c	E	2		1155	55	01.5.0	KT			HV	M			1					prøvestikk
107	49	NV	4c	E	2		1156	55	01.5.0	FL							6					prøvestikk
107	49	NV	4c	E	2		1157	49	01.1.3	D	FL						1					prøvestikk
107	49	NV	4c	E	2		1158	48	01.1.2	H	FL						1					* fin - prøve
107	49	NV	5c	E	2		1159	55	01.5.0	BK							1	12				prøvestikk
107	49	NV	5c	E	2		1160	55	01.5.0	FL							6	12				prøvestikk
107	49	NV	5c	E	2		1161	46	12.1.7	P	FL						1	12				* tverpil basis? - borspiss? - prøve
107	49	NV	6c	F	1		1162	27	01.5.0	FL							11	12				prøvestikk
107	49	NV	6c	F	1		1163	21	01.1.2	M	FL						1	12				prøvestikk
107	49	NV	7c	F	1		1164	27	01.5.0	FL							4	12				prøvestikk
107	49	NV	8c	F	1		1165	27	01.5.0	FL							1					prøvestikk
107	49	NV	8c	F	1		1166	19	12.1.7	FL							1					prøvestikk - stor
107	49	NV	9c	F	1		1167	27	01.5.0	BA							1					prøvestikk
107	49	NV	9c	F	1		1168	27	01.5.0	FL							3					prøvestikk
107	49	NV	10d	G	1		1170	27	01.5.0	BA							1	10				prøvestikk - stor
107	49	NV	10d	G	1		1171	27	01.5.0	FL							2	10				prøvestikk
107	49	NV	11d	G	1		1172	27	01.5.0	FL							1	10				prøvestikk - korteks
107	49	NØ	C/D	usik	usik		1173	86	01.5.0	BK							8	15	3-12			
107	49	NØ	C/D	usik	usik		1174	86	01.5.0	KT			HV	F			1	15	3-12			

route	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	49	NØ	C/D	usik	usik	1175	86	01.5.0	KT	HV	M			1	15	3-12		
107	49	NØ	C/D	usik	usik	1176	86	01.5.0	FL					24	15	3-12		
107	49	NØ	C/D	usik	usik	1177	85	01.1.3	PM	FL				1	15	3-12		egentlig distal frg. av 01.1.2 eller 01.1.1?
107	49	NØ	C/D	usik	usik	1178	71	02.3.0	H	FL				1	15	3-12		m/korteks
107	49	NØ	C/D	usik	usik	1179	71	02.3.0	F	FL				1	15	3-12		veldig kort
107	49	NØ	C/D	usik	usik	1180	75	01.2.5	F	FL				1	15	3-12		
107	49	NV	C/D	usik	usik	1181	86	01.5.0	BK					1	4			fra "jordrester" av prst kvad (NV)
107	49	NV	C/D	usik	usik	1182	86	01.5.0	KT	HV	F			1	4			fra "jordrester" av prst kvad (NV)
107	49	NV	C/D	usik	usik	1183	86	01.5.0	FL			BR		3	4			fra "jordrester" av prst kvad (NV) - 2 av 3 brente
107	49	SØ	C/D	usik	usik	1184	86	01.5.0	BK					1	14	3-8		
107	49	SØ	C/D	usik	usik	1185	86	01.5.0	KT	HV	F			3	14	3-8		
107	49	SØ	C/D	usik	usik	1186	86	01.5.0	FL					8	14	3-8		
107	49	SV	C/D	usik	usik	1188	85	01.1.3	P	FL				1	20	3-10		
107	49	SV	C/D	usik	usik	1189	85	01.1.3	M	KT	HV	F		1	20	3-10		
107	49	SV	C/D	usik	usik	1190	65	08.3.4	F	SS				5	20	3-10		* alle 5 passer sammen
107	49	NØ	E	E	2	1191	55	01.5.0	BK					1	29	5-11		
107	49	NØ	E	E	2	1192	55	01.5.0	KT	HV	M			1	29	5-11		
107	49	NØ	E	E	2	1193	55	01.5.0	FL					4	29	5-11		
107	49	NØ	E	E	2	1194	43	12.2.2.6	FL					1	29	5-11		
107	49	NØ	E	E	2	1195	37	02.3.0	H	FL				1	29	5-11		
107	49	NV	E	E	2	1196	55	01.5.0	FL					1	1			fra jordrester fra ettergraving av prøvestikk kvadrant (NV)
107	49	SØ	E	E	2	1197	55	01.5.0	BK					2	32	5-15		
107	49	SØ	E	E	2	1198	55	01.5.0	KT	HV	M			1	32	5-15		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	49	SØ	E	E	2	2	1199	55	01.5.0	FL							11	32	5-15	
107	49	SØ	E	E	2	2	1200	37	02.3.0	F	FL						1	32	5-15	
107	49	SV	E	E	2	2	1201	55	01.5.0	KT	HV	F					2	19	3-13	
107	49	SV	E	E	2	2	1202	55	01.5.0	FL				BR			6	19	3-13	flere brente
107	49	SV	E	E	2	2	1203	34	08.3.4	F	SS						1	19	3-13	
107	49	NØ	F1	F	1	1	1204	27	01.5.0	BK							5			
107	49	NØ	F1	F	1	1	1205	27	01.5.0	FL							6			
107	49	NØ	F1	F	1	1	1206	23	15.1.0	F	SS						1			
107	49	SØ	F1	F	1	1	1207	27	01.5.0	BK							1	22		
107	49	SØ	F1	F	1	1	1208	27	01.5.0	FL							9	22		
107	49	SØ	F1	F	1	1	1209	12	02.3.0	H	FL						1	22		m/korteks
107	49	SØ	F1	F	1	1	1210	22	01.1.3	P	FL						1	22		
107	49	SV	F1	F	1	1	1211	27	01.5.0	KT	HV	F					1	20		
107	49	SV	F1	F	1	1	1212	27	01.5.0	FL							9	20		
107	49	SV	F1	F	1	1	1213	1	04.2.1	H	BA						1	20		
107	49	NØ	F2	F	1	1	1214	27	01.5.0	BK							1	24		
107	49	NØ	F2	F	1	1	1215	27	01.5.0	FL							11	24		
107	49	NØ	F2	F	1	1	1216	22	01.1.3	M	FL						1	24		
107	49	SØ	F2	F	1	1	1217	27	01.5.0	FL							6	24		
107	49	SØ	F2	F	1	1	1218	20	01.1.1	D	FL			BR			1	24		*
107	49	SV	F2	F	1	1	1219	27	01.5.0	FL							4	24		
107	49	NØ	F3	F	1	1	1220	27	01.5.0	FL							11	24		
107	49	NØ	F3	F	1	1	1221	22	01.1.3	P	FL						1	24		veldig liten - type?

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar	
107	49	NØ	F3	F	1	1222	22	01.1.3	M	FL							1	24		veldig liten - type?	
107	49	NØ	F3	F	1	1223	12	02.3.0	F	FL							1	24			
107	49	NV	F3	F	1	1224	27	01.5.0		FL							1	6			
107	49	SØ	F3	F	1	1225	27	01.5.0		FL							7	18			
107	49	SV	F3	F	1	1226	27	01.5.0		KT	HV	F					1	20			
107	49	SV	F3	F	1	1227	27	01.5.0		FL							4	20		* 2 vannrullet	
107	49	NØ	F4	F	1	1228	27	01.5.0		FL							1	10	3		
107	49	SV	F4	F	1	1229	27	01.5.0		FL							1	8	2		* vannrullet
107	49	NØ	G1	G	1	1230	27	01.5.0		BK							1	19			
107	49	NØ	G1	G	1	1231	27	01.5.0		FL							5	19			
107	49	NØ	G1	G	1	1232	20	01.1.1	H	FL							1	19		flekke lign? ryggflekke?	
107	49	NØ	G1	G	1	1233	20	01.1.1	H	FL							1	19			
107	49	SV	G1	G	1	1234	27	01.5.0		SS							2	20		slipe pl. fig.? natur? - passer sammen	
107	50	NØ	C/D	usik	usik	1235	86	01.5.0		BK							8	27	5-15		
107	50	NØ	C/D	usik	usik	1236	86	01.5.0		KT	HV	F					4	27	5-15		
107	50	NØ	C/D	usik	usik	1237	86	01.5.0		FL							19	27	5-15		
107	50	NØ	C/D	usik	usik	1238	68	02.1.4	H	BK							1	27	5-15		*skarp kant vinkel
107	50	NV	C/D	usik	usik	1239	86	01.5.0		BK							7	8	2-4		stein i hele kvad
107	50	NV	C/D	usik	usik	1240	86	01.5.0		KT	HV	F					4	8	2-4		stein i hele kvad
107	50	NV	C/D	usik	usik	1241	86	01.5.0		KT	HV	M					2	8	2-4		stein i hele kvad
107	50	NV	C/D	usik	usik	1242	86	01.5.0		FL							20	8	2-4		stein i hele kvad
107	50	NV	C/D	usik	usik	1243	58	09.5.1	H	FL							1	8	2-4		stein i hele kvad
107	50	NV	C/D	usik	usik	1244	71	02.3.0	H	FL							1	8	2-4		stein i hele kvad - m/ korteks - avfall fra bipolar kj.?

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	50	NV	C/D	usik	usik	usik	usik	1245	71	02.3.0	F	FL					1	8	2-4	stein i hele kvad - avfall fra bipolar kj.?
107	50	SØ	C/D	usik	usik	usik	usik	1246	86	01.5.0		BK					3	13	5-12	
107	50	SØ	C/D	usik	usik	usik	usik	1247	86	01.5.0		FL					16	13	5-12	
107	50	SØ	C/D	usik	3	usik	usik	1248	56	09.4.1	H	FL					1	13	5-12	* rett til inbuet basis
107	50	SØ	C/D	usik	usik	usik	usik	1249	71	02.3.0	H	FL					1	13	5-12	
107	50	SV	C/D	usik	usik	usik	usik	1250	86	01.5.0		BK					8	18	3-13	
107	50	SV	C/D	usik	usik	usik	usik	1251	86	01.5.0		KT		HV	M		1	18	3-13	
107	50	SV	C/D	usik	usik	usik	usik	1252	86	01.5.0		FL					34	18	3-13	
107	50	SV	C/D	usik	usik	usik	usik	1253	82	12.1.7		KT		HV	F		1	18	3-13	bipolar kj. plattform? - side frg. av flatretusj. pil?
107	50	SV	C/D	usik	usik	usik	usik	1254	71	02.3.0	F	FL					1	18	3-13	type ussik. - avfall fra bipolar kj.?
107	50	NØ	E	E	2	E	E	1255	55	01.5.0		BK					2	24		
107	50	NØ	E	E	2	E	E	1256	55	01.5.0		KT		HV	F		1	24		
107	50	NØ	E	E	2	E	E	1257	55	01.5.0		KT		GN	F		1	24		
107	50	NØ	E	E	2	E	E	1258	55	01.5.0		KT		HV	G		1	24		
107	50	NØ	E	E	2	E	E	1259	55	01.5.0		BA					2	24		natur?
107	50	NØ	E	E	2	E	E	1260	55	01.5.0		FL					5	24		
107	50	SØ	E	E	2	E	E	1261	55	01.5.0		BK					4	33		
107	50	SØ	E	E	2	E	E	1262	55	01.5.0		KT		HV	F		1	33		
107	50	SØ	E	E	2	E	E	1263	55	01.5.0		FL					20	33		
107	50	SØ	E	E	2	E	E	1264	29	09.5.1	H	FL				1	33			* atypisk - m/korteks
107	50	SV	E	E	2	E	E	1265	55	01.5.0		BK					3	24		
107	50	SV	E	E	2	E	E	1266	55	01.5.0		RK					1	24		røyk kvarts
107	50	SV	E	E	2	E	E	1267	55	01.5.0		FL					17	24		

route	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	50	SV	E	E	2			1268	47	01.1.1	PM	FL				1	24		* stor, fin, nesten hel - slått fra konisk kj. - fra nedre del av laget, ned mot F langs 107X
107	50	NØ	F1	F	1			1269	27	01.5.0		BK				1	21		
107	50	NØ	F1	F	1			1270	27	01.5.0		KT	HV	F		1	21		
107	50	NØ	F1	F	1			1271	27	01.5.0		FL				14	21		
107	50	NØ	F1	F	1			1272	26	01.3.2		BA				1	21		sandstein?
107	50	NØ	F1	F	1			1273	11	12.2.2.6	PM	FL				1	21		
107	50	NV	F1	F	1			1274	27	01.5.0		BK				2	24		
107	50	NV	F1	F	1			1275	27	01.5.0		KT	BR	F		1	24		
107	50	NV	F1	F	1			1276	27	01.5.0		KT	HV	G		1	24		
107	50	NV	F1	F	1			1277	27	01.5.0		FL				12	24		
107	50	NV	F1	F	1			1278	20	01.1.1	D	FL				1	24		
107	50	NV	F1	F	1			1279	12	02.3.0	H	FL				1	24		
107	50	NV	F1	F	1			1280	4	09.5.3	H	FL				1	24		* på bipolar kj.
107	50	SØ	F1	F	1			1281	27	01.5.0		KT	HV	F		2	22		
107	50	SØ	F1	F	1			1282	27	01.5.0		FL				7	22		
107	50	SV	F1	F	1			1283	27	01.5.0		BK				2	20		
107	50	SV	F1	F	1			1284	27	01.5.0		FL				14	20		
107	50	NØ	F2	F	1			1285	27	01.5.0		BK				3	24		
107	50	NØ	F2	F	1			1286	27	01.5.0		FL				11	24		
107	50	NØ	F2	F	1			1287	20	01.1.1	H	FL				1	24		flekke lign. avslag?
107	50	NV	F2	F	1			1288	27	01.5.0		KT	HV	F		1	24		
107	50	NV	F2	F	1			1289	27	01.5.0		KT	HV	G		1	24		
107	50	NV	F2	F	1			1290	22	01.1.3	M	FL				1	24		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	50	NV	F2	F	1				1291	20	01.1.1	M	FL				1	24		
107	50	NV	F2	F	1				1292	12	02.3.0	H	FL				1	24		
107	50	SØ	F2	F	1				1293	27	01.5.0		KT	HV	F		1	24		
107	50	SØ	F2	F	1				1294	27	01.5.0		FL				2	24		
107	50	SØ	F2	F	1				1295	12	02.3.0	H	FL				1	24		* veldig kort
107	50	SØ	F2	F	1				1296	20	01.1.1	M	FL				1	24		
107	50	SV	F2	F	1				1297	27	01.5.0		BK				1	24		
107	50	SV	F2	F	1				1298	27	01.5.0		KT	HV	M		1	24		
107	50	SV	F2	F	1				1299	27	01.5.0		FL				9	24		
107	50	SV	F2	F	1				1300	3	09.5.2	H	FL				1	24		* på ryggflekke(?)
107	50	NØ	F3	F	1				1301	27	01.5.0		BK				2	21		
107	50	NØ	F3	F	1				1302	27	01.5.0		FL				11	21		
107	50	NØ	F3	F	1				1303	12	02.3.0	F	FL				1	21		* egentlig avfall fra bipolar kj. - (klassisk)
107	50	NV	F3	F	1				1304	27	01.5.0		BK				1	16		
107	50	NV	F3	F	1				1305	27	01.5.0		FL				8	16		
107	50	SØ	F3	F	1				1306	27	01.5.0		FL				5	17		
107	50	SV	F3	F	1				1307	27	01.5.0		FL				2	20		
107	50	SV	F3	F	1				1308	22	01.1.3	DM	BK				1	20		type ussik
107	50	SV	F3	F	1				1309	20	01.1.1	M	FL			BR	1	20		type ussik
107	50	SV	F4	F	1				1310	27	01.5.0		FL				1	7	2	
107	50	NØ	G1	G	1				1311	27	01.5.0		FL				1	4	0-3	
107	50	NV	G1	G	1				1312	27	01.5.0		FL				2	10	1-6	
107	50	SØ	G1	G	1				1313	27	01.5.0		FL				3	24	0-6	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	50	SV	G1	G	1			1314	27	01.5.0	FL						1	18		
108	49	SV	D	D	usik			1315	86	01.5.0	BK						2			"løssfunn fra D"
108	49	SV	D	D	usik			1316	86	01.5.0	FL						1			"løssfunn fra D"
108	49	SV	D	D	usik			1317	82	12.1.7	FL				BR		1			"løssfunn fra D" - kraftig brent
108	49	SV	D	D	usik			1318	82	12.1.7	KT	HV	F				1			* spesiell, kjerne? - "løssfunn fra D" - ligner #1425
109	49	SØ	C/D	usik	usik			1319	86	01.5.0	BK						4	23	7-13	
109	49	SØ	C/D	usik	usik			1320	86	01.5.0	KT	HV	F				2	23	7-13	en bruket under katalogisering
109	49	SØ	C/D	usik	usik			1321	86	01.5.0	FL						28	23	7-13	
109	49	SØ	C/D	usik	usik			1322	85	01.1.3	D	FL					1	23	7-13	
109	49	SØ	F1	F	1			1323	27	01.5.0	BK						2	17	5-7	
109	49	SØ	F1	F	1			1324	27	01.5.0	KT	HV	F				1	17	5-7	
109	49	SØ	F1	F	1			1325	27	01.5.0	FL						6	17	5-7	
109	49	SØ	F1	F	1			1326	22	01.1.3	PM	FL					1	17	5-7	nesten hel
109	49	SØ	F2	F	1			1327	27	01.5.0	BK						1	23	5-7	
109	49	SØ	F2	F	1			1328	27	01.5.0	FL						2	23	5-7	
109	49	SØ	F4	F	1			1329	27	01.5.0	FL						3	20	5-6	
109	49	SØ	F4	F	1			1330	22	01.1.3	H	FL					1	20	5-5	
109	49	SØ	F5	F	1			1331	27	01.5.0	BK						1	22	5-7	
109	49	SØ	F5	F	1			1332	27	01.5.0	FL						11	22	5-7	
109	49	SØ	F5	F	1			1333	13	01.2.1	H	FL			BR		1	22	5-7	
109	49	SØ	F5	F	1			1334	20	01.1.1	H	FL					1	22	5-7	
109	49	SØ	F5	F	1			1335	22	01.1.3	PM	FL					1	22	5-7	
109	49	SØ	F5	F	1			1336	21	01.1.2	M	FL					1	22	5-7	

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
109	49	SØ	F5	F	1			1337	22	01.1.3	M	FL					1	22	5-7	
109	49	SØ	F6	F	1			1338	27	01.5.0		FL					7	39	8-12	
110	50	NV	1b	C/D	usik			1339	86	01.5.0		FL					7	13		
110	50	NV	1b	C/D	usik			1340	86	01.5.0		BK					1	13		
110	50	NV	2b	C/D	usik			1341	86	01.5.0		BK					2	10		
110	50	NV	2b	C/D	usik			1342	86	01.5.0		FL					6	10		
110	50	NV	2b	C/D	usik			1343	69	02.2.2		FL					1	10		
110	50	NV	3b	C/D	usik			1344	86	01.5.0		BK					2	11		*** nytype? kort - ligner sylindrisk - 1 plattform m/skarp vinkel, andre rett -
110	50	NV	3b	C/D	usik			1345	86	01.5.0		FL					11	11		
110	50	NV	3b	C/D	usik			1346	85	01.1.3	PM	FL					1	11		
110	50	NV	4c	E	2			1347	55	01.5.0		FL					2	11		
110	50	NV	4c	E	2			1348	29	09.5.1	F	FL					1	11		
110	50	NV	5c	E	2			1349	55	01.5.0		BK					1	10		
110	50	NV	5c	E	2			1350	55	01.5.0		KT	HV	G			2	10		
110	50	NV	5c	E	2			1351	55	01.5.0		FL					2	10		
110	50	NV	5c	E	2			1352	49	01.1.3	P	FL					1	10		
110	50	NV	6c	E	2			1353	55	01.5.0		KT	HV	M			1	7		
110	50	NV	6c	E	2			1354	55	01.5.0		FL					1	7		
110	50	NV	7c	E/F	usik			1355	86	01.5.0		KS	HV	M			1	8		bergkrystal?
110	50	NV	7c	E/F	usik			1356	86	01.5.0		FL					3	8		
110	50	NV	8c	E/F	usik			1357	86	01.5.0		FL					1	8		
110	50	NV	8c	E/F	usik			1358	85	01.1.3	P	FL					1	8		
110	50	NV	9c	E/F	usik			1359	86	01.5.0		FL					4	9		

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
110	50	NV	10c	E/F	usik		1360	86	01.5.0	BK							1	11		
110	50	NV	10c	E/F	usik		1361	86	01.5.0	KT	GÅ	M					1	11		
110	50	NV	10c	E/F	usik		1362	86	01.5.0	FL							2	11		
110	50	NV	11c	F	1		1363	27	01.5.0	KT	HV	F					1	12		
110	50	NV	11c	F	1		1364	27	01.5.0	FL							4	12		
110	50	NV	11c	F	1		1365	12	02.3.0	F							1	12		* stor, laget på storflekke?
110	50	NV	12c	F	1		1366	27	01.5.0	BK							1	10		
110	50	NV	12c	F	1		1367	27	01.5.0	FL							3	10		
110	50	NV	13c	F	1		1368	27	01.5.0	FL							3	5		
110	50	NV	13c	F	1		1369	12	02.3.0	F							1	5		* laget av storflekke?
110	50	NV	14c	F	1		1370	27	01.5.0	FL							2	4		
110	50	NV	15c	F	1		1371	27	01.5.0	FL							2	4		
113	39	NV	1b	A/C	usik		1372	86	01.5.0	BK							1	13		
113	39	NV	1b	A/C	usik		1373	86	01.5.0	FL							4	13		
113	39	NV	2b	C	usik		1374	86	01.5.0	BK							2	13		
113	39	NV	3b	D	usik		1375	86	01.5.0	FL							1	12		
113	39	NV	4b	usik	usik		1376	86	01.5.0	KT	HV	G					1	11		
104	49	NØ	str1	str1	str1	1	1377	86	01.5.0	BK							1	3		
104	49	NV	str1	str1	str1	1	1378	86	01.5.0	BK							1	13		
104	49	NV	str1	str1	str1	1	1379	86	01.5.0	FL							1	13		
104	49	NV	str1	str1	str1	1	1380	71	02.3.0	H	BK						1	13		
104	49	NV	str1	str1	str1	1	1381	84	01.1.2	M	FL						1	13		
104	49	NV	str1	str1	str1	1	1382	81	12.2.3.6	PM	FL						1	13		* skadet borspiss? mikrostrikkel?

route	X	rate	Y	kvad	gravlag	korrlag	fase	strukt	fnr	Bnr	type	del	mattp	matfkr	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
104	49	NV		F/str1	usik	str1	1	1383	71	02.3.0	F	BK					1	13		fra overgang struktur 1 / lag F
104	49	SØ		str1	str1	str1	1	1384	86	01.5.0		FL					3	20		fra nord del av struktur 1
104	49	NV		E/str1	usik	str1	1	1385	86	01.5.0		FL					1	6		
104	49	NV		E/str1	usik	str1	1	1386	82	12.1.7		FL					1	6		bipolar kj. fkg.? - flekke fkg. (fra bipolar kj.)? - m/retusj
104	50	SV		str1	str1	str1	1	1387	86	01.5.0		KT	HV	M			1	14		kvarts? - bergkrystal?
104	50	SV		str1	str1	str1	1	1388	86	01.5.0		FL					1	14		
104	50	SV		E/str1	usik	usik	1?	1389	86	01.5.0		FL					1	15		funnet i tilkn. struktur 1?
104	49	SØ		str1	str1	str1	1	1390	86	01.5.0		FL					1	9		vannrullet - natur?
104	49	SV		str1	str1	str1	1	1391	86	01.5.0		FL					1	30		
104	50	SV		str1	str1	str1	1	1392	86	01.5.0		BK					1	21		
104	50	SV		str1	str1	str1	1	1393	86	01.5.0		FL					1	21		
104	50	SV		str1	str1	str1	1	1394	85	01.1.3	M	FL					1	21		* type? - tykk, fra nær distal end?
104	50	SV		str1	str1	str1	1	1395	82	12.1.7		FL					1	21		fra randsone til struktur 1
107	49	NØ		E	E	E	2	1396	55	01.5.0		BK					1	3		fra under stein (stein = str. 2 = natur)
107	49	NØ		E	E	E	2	1397	55	01.5.0		FL					3	3		fra under stein (stein = str. 2 = natur)
107	50	NV		E	E	E	2	1398	55	01.5.0		BK					2	26		fra under stein (stein = str. 2 = natur)
107	50	NV		E	E	E	2	1399	55	01.5.0		KS	HV	F			2	26		kvartsitt? - fra under stein (stein = str. 2 = natur)
107	50	NV		E	E	E	2	1400	55	01.5.0		KT	HV	M			6	26		fra under stein (stein = str. 2 = natur)
107	50	NV		E	E	E	2	1401	55	01.5.0		FL					26	26		fra under stein (stein = str. 2 = natur)
107	50	NV		E	E	E	2	1402	38	02.5.0	F	FL		BR			1	26		fra under stein (stein = str. 2 = natur)
107	50	NV		E	E	E	2	1403	37	02.3.0	H	BK				1	26			* stort, dårlig råstoff, kastet tidlig under reduksjon? - fra under stein (stein = str. 2 = natur)
107	50	SV		E	E	E	2	1404	55	01.5.0		KT	HV	F			1	3		fra under stein (stein = str. 2 = natur)
107	50	SV		E	E	E	2	1405	55	01.5.0		FL					2	3		fra under stein (stein = str. 2 = natur)

routeX	rateY	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	49	NV	str4	str4	str4	4	1406	86	01.5.0	BK					1	12		
101	49	NV	str4	str4	str4	4	1407	85	01.1.3	PM	FL				1	12		**flaetretusj. avfall?
98	49	NØ	str5	str5	str5	5	1408	86	01.5.0	BK					1	19	4	24-28 cm fra overfl.
98	49	NØ	str5	str5	str5	5	1409	84	01.1.2	P	FL		BR		1	24	18	28-46 cm fra overfl.
99	49	SØ	str5	str5	str5	5	1410	86	01.5.0	BK					1	24	17	23-40 cm fra overfl.
99	49	SØ	str5	str5	str5	5	1411	86	01.5.0	FL					2	24	17	23-40 cm fra overfl.
101	49	NØ	E/F/str1	usik	usik	1?	1412	86	01.5.0	KS	HV	G			2			opprens. i forb. med overgang str1 - lagE/F
101	49	NØ	E	2	usik	1?	1413	86	01.5.0	fl					3			opprens. i forb. med overgang str1 - lagE/F
103	51	HR	C/D	usik	usik		1414	49	01.1.3	M	BK				1	1		opprens.
103	51	HR	C/D	usik	usik		1415	86	01.5.0	BK					1			opprens. utenfor str.1
103	51	HR	C/D	usik	usik		1416	86	01.5.0	KT	HV	F			1			opprens. utenfor str.1
103	51	HR	C/D	usik	usik		1417	86	01.5.0	FL					1			opprens. utenfor str.1
104	49	HR	C/D/E	usik	usik		1418	86	01.5.0	FL					1			opprens. etter gravn. av C/D utenfor str.1
104	50	HR	C/D/str	usik	usik	1?	1419	86	01.5.0	FL					2			opprens. etter gravn. av C/D innenfor str.1
105	48	SV	F	F*	1	1420	27	01.5.0	BK					2	5			opprens. lag F, topp lag F - variant av lag F (ikke svart kultur lag)
105	48	SV	F	F*	1	1421	27	01.5.0	KS	HV	G			1	5			opprens. lag F, topp lag F - variant av lag F (ikke svart kultur lag)
105	48	SV	F	F*	1	1422	27	01.5.0	KT	HV	M			1	5			opprens. lag F, topp lag F - variant av lag F (ikke svart kultur lag)
105	48	SV	F	F*	1	1423	27	01.5.0	KT	HV	F			1	5			opprens. lag F, topp lag F - variant av lag F (ikke svart kultur lag)
105	48	SV	F	F*	1	1424	27	01.5.0	FL					3	5			opprens. lag F, topp lag F - variant av lag F (ikke svart kultur lag)
105	48	SV	F	F*	1	1425	19	12.1.7	KT	HV	F			1	5			** kj. fig.? - ligner #1318 - opprens. lag F, topp lag F - variant av lag F (ikke svart kultur lag)
105	50	HR	C/D/E	usik	usik		1426	86	01.5.0	KT	HV	F			1			opprens. etter C/D
106	49	HR	C/D/E	usik	usik		1427	86	01.5.0	FL					2			opprens. etter C/D
107	50	HR	C/D/E	usik	usik		1428	86	01.5.0	FL					4			opprens. etter C/D

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	50	NØ	A/C/D/	usik	usik	1429	86	01.5.0	KT	HV	M	1	opprens. omkring "str.2" (str.2 går ut)							
107	50	NØ	A/C/D/	usik	usik	1430	86	01.5.0	KT	HV	F	1	opprens. omkring "str.2" (str.2 går ut)							
107	50	NØ	A/C/D/	usik	usik	1431	86	01.5.0	FL			3	opprens. omkring "str.2" (str.2 går ut)							
107	50	NV	A/C/D/	usik	usik	1432	86	01.5.0	KT	HV	M	1	opprens. omkring "str.2" (str.2 går ut)							
107	50	NV	A/C/D/	usik	usik	1433	86	01.5.0	FL			1	opprens. omkring "str.2" (str.2 går ut)							
101	50	NØ	D	usik	usik	1434	86	01.5.0	FL			1	opprens. av profil							
104	49	SV	A/str1/E	usik	usik	1435	86	01.5.0	FL			1	opprens. av profil							
104	49	NV	A/C/D/	usik	usik	1436	86	01.5.0	BK			1	opprens. av profil							
104	49	NV	A/C/D/	usik	usik	1437	86	01.5.0	FL			2	opprens. av profil							
104	49	NV	A/C/D/	usik	usik	1438	83	01.1.1	D	FL		1	opprens. av profil							
			A/C/D/	usik	usik	1439	86	01.5.0	FL			1	opprens. av profil - 104x50yNØ, 105x50ySØ							
			A/C/D/	usik	usik	1440	85	01.1.3	FL			1	type? (tykk) - opprens. av profil - 104x50yNØ, 105x50ySØ							
105	49	NV	usik	usik	usik	1441	86	01.5.0	BK			3	opprens. av profil							
105	49	NV	usik	usik	usik	1442	86	01.5.0	FL			1	opprens. av profil							
105	49	NV	usik	usik	usik	1443	85	01.1.3	PM	FL		1	type? (flatretusj. flis?) - opprens. av profil							
106	49	SV	usik	usik	usik	1444	86	01.5.0	KT	HV	M	1	opprens. av profil							
106	49	SV	usik	usik	usik	1445	86	01.5.0	FL			1	opprens. av profil							
106	49	SV	usik	usik	usik	1446	64	08.3.1.3	F	SS		1	* liten egg frg. - beveled working edge (from both surfaces) - opprens. av profil							
106	49	SV	usik	usik	usik	1447	84	01.1.2	D	FL		1	opprens. av profil							
106	49	SV	A/C/D/	usik	usik	1448	86	01.5.0	FL			1	opprens. av profil							
106	49	NV	usik	usik	usik	1449	84	01.1.2	M	FL		1	opprens. av profil							
106	49	NV	usik	usik	usik	1450	64	08.3.1.3	F	SS		1	* liten egg frg. - beveled working edge (from both surfaces) - opprens. av profil							
107	49	SV	usik	usik	usik	1451	86	01.5.0	FL			3	opprens. av profil							

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
107	49	SV	usik	usik	usik	usik	usik	1452	62	11.4.0	FL						1			opprens. av profil
107	49	NV	usik	usik	usik	usik	usik	1453	86	01.5.0	FL						1			opprens. av profil
107	49	NV	A/C/D/	usik	usik	usik	usik	1454	86	01.5.0	BK						2			opprens. av profil
107	49	NV	A/C/D/	usik	usik	usik	usik	1455	86	01.5.0	FL						2			opprens. av profil
100	46	SØ	A	A	usik	usik	usik	1456	86	01.5.0	FL						1			fra avtorvning
100	46	NØ	B	B	usik	usik	usik	1457	86	01.5.0	BK						1			fra fjerning av lag B
100	46	NV	B/E	usik	usik	usik	usik	1458	84	01.1.2	D	FL					1			fra fjerning av lag B, overgang til E
100	47	SØ	B	B	usik	usik	usik	1459	86	01.5.0	KT	HV	F				1			fra fjerning av lag B
100	47	NV	B	B	usik	usik	usik	1460	86	01.5.0	KS	HV	F				1			fra fjerning av lag B
100	47	NØ	B/E	usik	usik	usik	usik	1461	86	01.5.0	BK						1			fra fjerning av lag B, overgang til E
100	47	NØ	B/E	usik	usik	usik	usik	1462	86	01.5.0	FL						1			fra fjerning av lag B, overgang til E
100	47	NØ	B/E	usik	usik	usik	usik	1463	84	01.1.2	M	BK					1			fra fjerning av lag B, overgang til E
100	48	SV	B	B	usik	usik	usik	1464	86	01.5.0	BK						1			fra fjerning av lag B
100	48	SV	B/E	usik	usik	usik	usik	1465	86	01.5.0	KT	HV	F				1			fra fjerning av lag B, overgang til E
100	49	SV	B/E	usik	usik	usik	usik	1466	86	01.5.0	BK						1			fra fjerning av lag B, overgang til E
100	49	SV	B/E	usik	usik	usik	usik	1467	86	01.5.0	FL						1			fra fjerning av lag B, overgang til E
100	49	NØ	B/E	usik	usik	usik	usik	1468	86	01.5.0	BK						1			fra fjerning av lag B, overgang til E
100	49	NØ	B/E	usik	usik	usik	usik	1469	86	01.5.0	KT	HV	F				1			fra fjerning av lag B, overgang til E
100	50	NØ	B/D	usik	usik	usik	usik	1470	86	01.5.0	BK						1			fra avtorvning/fjerning av lag B, overgang til D
100	50	NV	B/C	usik	usik	usik	usik	1471	86	01.5.0	FL						1			fra avtorvning/fjerning av lag B, overgang til C
100	50	NV	B/D	usik	usik	usik	usik	1472	86	01.5.0	BK						1			fra fjerning av lag B, overgang til D
100	50	NV	B/D	usik	usik	usik	usik	1473	86	01.5.0	FL						1			fra fjerning av lag B, overgang til D
101	46	NV	B	B	usik	usik	usik	1474	86	01.5.0	KT	HV	F				1			fra fjerning av lag B

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	46	NØ	NØ	B/E	usik	usik	usik	1475	86	01.5.0	BK		BK				1			fra fjerning av lag B, overgang til E
101	47	NØ	NØ	B/C	usik	usik	usik	1476	86	01.5.0	BK		BK				2			fra fjerning av lag B, overgang til C
101	47	NØ	NØ	B/C	usik	usik	usik	1477	86	01.5.0	KS	HV	KS	HV	G		1			fra fjerning av lag B, overgang til C
101	47	NØ	NØ	B/C	usik	usik	usik	1478	71	02.3.0	H	FL	FL				1			* liten - fra fjerning av lag B, overgang til C
101	47	NØ	NØ	B/C/D/	usik	usik	usik	1479	86	01.5.0	BK		BK				1			fra fjerning av lag B, overgang til C/D/E
101	47	NØ	NØ	B/C/D/	usik	usik	usik	1480	71	02.3.0	H	BK	BK				1			fra fjerning av lag B, overgang til C/D/E
101	47	NØ	NØ	B/C/D/	usik	usik	usik	1481	66	02.1.1	FL		FL				1			* konisk kj.? - fra fjerning av lag B, overgang til C/D/E
101	48	NØ	NØ	B	B	usik	usik	1482	86	01.5.0	KS	HV	KS	HV	M		1			kvartsitt? - fra fjerning av lag B
101	48	SV	SV	B/E	usik	usik	usik	1483	86	01.5.0	KS	HV	KS	HV	M		1			kvartsitt? - fra fjerning av lag B, overgang til E
101	49	SØ	SØ	B/E	usik	usik	usik	1484	86	01.5.0	FL		FL				1			fra avtorvning/fjerning av lag B, overgang til E
101	49	SV	SV	A/B/E	usik	usik	usik	1485	86	01.5.0	BK		BK				1			fra avtorvning/fjerning av lag B, overgang til E
101	49	NV	NV	B/E	usik	usik	usik	1486	86	01.5.0	KS	HV	KS	HV	M		1			bergkrytal? - fra avtorvning/fjerning av lag B, overgang til E
101	49	NV	NV	B/E	usik	usik	usik	1487	86	01.5.0	FL		FL				1			fra avtorvning/fjerning av lag B, overgang til E
101	49	NØ	NØ	A/E	usik	usik	usik	1488	86	01.5.0	FL		FL				1			fra avtorvning, overgang til E
101	49	NØ	NØ	A/E	usik	usik	usik	1489	78	12.5.2	FL		FL				1			type usik. (flekke?) retusj usik (svak bruksretusj?) - fra avtorvning, overgang til E
101	49	NØ	NØ	A/E	usik	usik	usik	1490	61	11.2.1	FL		FL				1			fra avtorvning, overgang til E
101	49	SØ	SØ	B/E	usik	usik	usik	1491	86	01.5.0	FL		FL				1			fra avtorvning/fjerning av B, overgang til E
101	50	NV	NV	A/D	usik	usik	usik	1493	86	01.5.0	BK		BK				3			fra avtorvning, overgang til D
101	50	NV	NV	A/D	usik	usik	usik	1494	86	01.5.0	KS	HV	KS	HV	M		1			fra avtorvning, overgang til D
101	50	NV	NV	A/D	usik	usik	usik	1495	86	01.5.0	KT	HV	KT	HV	F		1			fra avtorvning, overgang til D
101	50	NV	NV	A/D	usik	usik	usik	1496	71	02.3.0	H	KS	KS	HV	M		1			fra avtorvning, overgang til D
101	50	NV	NV	A/D	usik	usik	usik	1497	83	01.1.1	M	FL	FL				1			fra avtorvning, overgang til D
101	50	SØ	SØ	B/D	usik	usik	usik	1498	86	01.5.0	KS	HV	KS	HV	M		1			natur? - fra avtorvning/fjerning av B, overgang til D

route	X	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
101	50	SV	B/D	usik	usik	usik	usik	1499	86	01.5.0	FL						2			fra avtorving/fjerning av B, overgang til D
101	50	NØ	A/D	usik	usik	usik	usik	1500	86	01.5.0	BK						1			fra avtorving, overgang til D
101	50	NØ	A/D	usik	usik	usik	usik	1501	69	02.2.2	BK						1			* bipolar? (ligner sylindrisk) - I platfrm m/skarp vinkel, andre rett - fra avtorving, overgang til D
102	46	SV	B/E	usik	usik	usik	usik	1502	86	01.5.0	FL						1			fra avtorving/fjerning av B, overgang til E
102	47	SØ	B/C	usik	usik	usik	usik	1503	86	01.5.0	KT			HV	F		1			fra avtorving/fjerning av B, overgang til C
102	48	SV	B/C	usik	usik	usik	usik	1504	86	01.5.0	FL						1			fra avtorving/fjerning av B, overgang til C
102	49	SØ	A/D	usik	usik	usik	usik	1505	82	12.1.7	FL						1			fra avtorving/fjerning av D
102	49	SØ	A/D	usik	usik	usik	usik	1506	83	01.1.1	M	FL					1			fra avtorving/fjerning av D
102	49	SV	A/D	usik	usik	usik	usik	1507	86	01.5.0	FL						1			fra avtorving/fjerning av D
102	50	SV	A/D	usik	usik	usik	usik	1508	86	01.5.0	KT			HV	F		1			fra avtorving/fjerning av D
103	49	HR	A	A	usik	usik	usik	1509	86	01.5.0	FL						2			fra avtorving
103	50	HR	A	A	usik	usik	usik	1510	86	01.5.0	BK						1			fra avtorving
103	50	HR	A	A	usik	usik	usik	1511	86	01.5.0	KT			HV	G		1			fra avtorving
104	46	NV	A/E	usik	usik	usik	usik	1512	86	01.5.0	KT			HV	F		1			fra avtorving, overgang til E
104	46	NV	A/E	usik	usik	usik	usik	1513	86	01.5.0	FL						1			fra avtorving, overgang til E
104	49	HR	A	A	usik	usik	usik	1514	86	01.5.0	KT			HV	G		1			kvarts? - natur? - fra avtorving
104	50	HR	A	A	usik	usik	usik	1515	86	01.5.0	BK						2			fra avtorving
104	50	HR	A	A	usik	usik	usik	1516	86	01.5.0	KS			HV	G		1			berg krystal? - fra avtorving
104	50	HR	A	A	usik	usik	usik	1517	86	01.5.0	KT			HV	F		1			fra avtorving
104	50	HR	A	A	usik	usik	usik	1518	86	01.5.0	KT			HV	G		1			natur? - fra avtorving
104	50	HR	A	A	usik	usik	usik	1519	86	01.5.0	FL						1			fra avtorving
105	46	SØ	A/E	usik	usik	usik	usik	1520	86	01.5.0	KT			HV	F		1			fra avtorving, overgang til E
105	46	SØ	A/E	usik	usik	usik	usik	1521	83	01.1.1	M	FL					1			fra avtorving, overgang til E

route	rate	Y	kvad	gravlag	korrlag	fase	struk	fnr	Bnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	lagtykkcm	kommentar
105	46	SV	A/E	usik	usik	1522	86	01.5.0	BK							1			fra avtorving, overgang til E
105	46	NV	A/E	usik	usik	1523	59	09.5.2	H	FL						1			fra avtorving, overgang til E
106	46	NV	A/E	usik	usik	1524	86	01.5.0	FL							1			fra avtorving, overgang til E
106	46	SØ	A/E	usik	usik	1525	86	01.5.0	BK							1			fra avtorving, overgang til E
106	46	SØ	A/E	usik	usik	1526	86	01.5.0	KT	HV	F					1			fra avtorving, overgang til E
106	46	SØ	A/E	usik	usik	1527	86	01.5.0	FL							2			fra avtorving, overgang til E
106	47	SV	A/E	usik	usik	1528	86	01.5.0	FL							2			fra avtorving, overgang til E
107	48	NV	A/D	usik	usik	1529	86	01.5.0	FL							1			fra avtorving, overgang til D
105	48	NØ	F	F*	1	1530	27	01.5.0	BK							1	24		funn fra c14 prøve - variant av lag F (ikke svart kultur lag)
105	48	NØ	F	F*	1	1531	27	01.5.0	FL							3	24		funn fra c14 prøve - variant av lag F (ikke svart kultur lag)
104	50	SØ	str1	str1	str1	1	1532	86	01.5.0	FL						1	4		funn fra c14 prøve - sør for profil snitt
				usik	usik	1533	86	01.5.0	BK							1			løssfunn fra nord sjakt (langs 49Y, nord for 107X)
				usik	usik	1534	86	01.5.0	KT	HV	F					1			løssfunn fra nord sjakt (langs 49Y, nord for 107X)
				usik	usik	1535	86	01.5.0	FL							4			løssfunn fra nord sjakt (langs 49Y, nord for 107X)
110	49	NV	F/str6	F/str6	1	6	1536	24	15.2.3	H	AN					1			*under gravn av N sjakt, topp lag F, i stein pkn. (str.6). Brukt til bipol.kj eller som ambolt st.
107	49	SV	C/D	usik	usik	1537	86	01.5.0	BK							9	20	3-10	
107	49	SV	C/D	usik	usik	1538	86	01.5.0	KS	HV	M					3	20	3-10	
107	49	SV	C/D	usik	usik	1539	86	01.5.0	KT	HV	F					6	20	3-10	*en vannrullet
107	49	SV	C/D	usik	usik	1540	86	01.5.0	FL							41	20	3-10	
107	49	SV	C/D	usik	usik	1541	71	02.3.0	F	FL						1	20	3-10	
107	49	SV	C/D	usik	usik	1542	75	01.2.5	FL							1	20	3-10	platform/coreface frag (attempted "disk" removal?)
101	49	SV	E2	E	2	1543	49	01.1.3	D	FL						1	12		
101	49	SV	E2	E	2	1544	55	01.5.0	BK							1	12		

Hjellvika Lok. 2, B15678

fnr	Bnr	type	mattyp	matfar	matkrm	ant	liter	kommentar
1	1	01.5.0	KS	HV	M	2	24	løssfunn fra sjakt
2	1	01.5.0	FL			1	24	løssfunn fra sjakt

Hjellvika Lok. 10, B15679

prst	gravlag	fnr	Bnr	type	mattyp	ant	liter	kommentar
101	bøtte2	1	1	01.5.0	FL	1	12	råstoff type?
102		2	1	01.5.0	FL	1	24	30-45 cm under overfl.

Hjellvika Loc. 11, B15680, Artefact List (Note: Bnr is not included, refer to forthcoming report from further excavations at Loc. 11)

routeX	routeY	prst	kvad	gravlag	fnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	kommentar
113	49	SV	1c		1	01.5.0	FL					1	12	
116	50	SV	1b		2	01.5.0	BK					4	14	
116	50	SV	1b		3	01.5.0	KS	HV	G			6	14	
116	50	SV	1b		4	01.5.0	KT	HV	F			1	14	
116	50	SV	1b		5	01.5.0	FL					7	14	
116	50	SV	1b		6	01.1.1	H	FL				1	14	* veldig bred plattform (tyder på syl.kj.?) men inkurvet distal end (tyder på konisk kj.)
116	50	SV	2c		7	01.5.0	BK					3	14	
116	50	SV	2c		8	01.5.0	KS	HV	G			2	14	bergkrystal?
116	50	SV	2c		9	01.5.0	FL					5	14	
116	50	SV	3c		10	01.5.0	BK					3	14	
116	50	SV	3c		11	01.5.0	KS	HV	G			1	14	bergkrystal?
116	50	SV	3c		12	01.5.0	FL					10	14	
116	50	SV	3c		13	02.3.0	F	FL				1	14	
116	50	SV	4d		14	01.5.0	BK					2	13	

routeX	routeY	prst	kvad	gravlag	fnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	kommentar
116	50	SV	4d	15	01.5.0	FL						4	13	
116	50	SV	5d	16	01.5.0	BK						1	13	
116	50	SV	5d	17	01.5.0	KT		HV	G			2	13	
116	50	SV	5d	18	01.5.0	FL						5	13	
116	50	SV	5d	19	02.3.0	F	BK					1	13	
116	50	SV	6d	20	01.5.0	FL						4	19	
116	50	SV	6d	21	02.3.0	FL						1	19	*veldig liten
116	50	SV	7d	22	01.5.0	BK						2	13	
116	50	SV	7d	23	01.5.0	FL						2	13	
121	47	NØ	1b	24	01.5.0	BK						1	14	
121	47	NØ	1b	25	01.5.0	FL						8	14	
121	47	NØ	1b	26	02.3.0	H	FL					1	14	type ussik.
121	47	NV	1b	27	01.5.0	KT		HV	G			1	13	kvarts?
121	47	NV	1b	28	01.5.0	KT		GÅ	M			1	13	chert?

routeX	routeY	prst	kvad	gravlag	fnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	kommentar
121	47	NV	1b	29	01.5.0	SK	BR					1	13	
121	47	NV	1b	30	01.5.0	FL						10	13	
121	47	SØ	1b	31	01.5.0	SK	BR					1	12	
121	47	SØ	1b	32	01.5.0	FL						10	12	
121	47	SV	1b	33	01.5.0	SK	BR					4	12	
121	47	SV	1b	34	01.5.0	FL						13	12	
121	47	NØ	2b	35	01.5.0	BK						1	12	
121	47	NØ	2b	36	01.5.0	SK	BR					1	12	
121	47	NØ	2b	37	01.5.0	FL						5	12	
121	47	NØ	2b	38	01.5.0	CH						1	12	* brun m/svart stripe, lign. chert fra Skatestrømmen
121	47	NV	2b	39	01.5.0	BK						1	12	
121	47	NV	2b	40	01.5.0	SK	BR					3	12	
121	47	NV	2b	41	01.5.0	FL						18	12	
121	47	SØ	2b	42	01.5.0	KT	HV	F				18	12	

routeX	routeY	prst	kvad	gravlag	fnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	kommentar
121	47	SØ	2b	43	01.5.0	SK	BR					1	12	
121	47	SØ	2b	44	01.5.0	FL						8	12	en ussik. råstoff
121	47	SØ	2b	45	01.5.0	CH						2	12	* brun m/ svart striper, lign. Skatestraumen type
121	47	SØ	2b	46	01.3.2	BA	BR					1	12	sandstein?
121	47	SØ	2b	47	01.3.2	BA	BR					1	12	natur?
121	47	SV	2b	48	01.5.0	HA	GÅ					1	8	chert? - grå med svart innslag
121	47	SV	2b	49	01.5.0	FL						11	8	
121	47	SV	2b	50	01.3.2	BA	BR					1	8	
121	47	NØ	3b	51	01.5.0	BK						1	10	
121	47	NØ	3b	52	01.5.0	FL						8	10	
121	47	NV	3b	53	01.5.0	BK						1	12	
121	47	NV	3b	54	01.5.0	FL						7	12	
121	47	SØ	3b	55	01.5.0	BK						1	10	
121	47	SØ	3b	56	01.5.0	SK	BR					1	10	

routeX	routeY	prst	kvad	gravlag	fnr	type	del	mattyp	matfar	matkrn	thermalt	ant	liter	kommentar
121	47	SØ	3b	57	01.5.0	FL						3	10	
121	47	SV	3b	58	01.5.0	FL						2	12	
121	47	SV	3b	59	01.5.0	SS						1	12	natur?
121	47	SØ	4b	60	01.5.0	BK						2	14	
121	47	SØ	4b	61	01.5.0	SK			GÅ			1	14	
121	47	SØ	4b	62	01.5.0	FL						4	14	
121	47	SØ	5c	63	01.5.0	BK						3		
121	47	SØ	5c	64	01.5.0	KS			HV	M		4		
121	47	SØ	5c	65	01.5.0	FL						1		
121	50	SV	1b	66	01.5.0	FL						1	14	
		A	1b+2b	67	01.5.0	SK			GÅ			16	24	
		A	1b+2b	68	01.5.0	FL						6	24	
		A	1b+2b	69	01.5.0	RY						1	24	råstoff type?
		A	1b+2b	70	12.1.7	FL					BR	1	24	

routeX	routeY	prst	kvad	gravlag	fnr	type	del	mattp	matfar	matkrn	thermalt	ant	liter	kommentar
	A		3b		71	01.5.0	FL					4	12	
	A		4c		72	01.5.0	FL					2	12	chert?
	A2		1b+2b		73	01.5.0	FL					5	24	
	C		3b		74	01.5.0	KS	HV	M			1	12	kvarisitt?
	C		3b		75	01.5.0	FL					1	12	
	C		4c		76	01.5.0	FL					1	12	