

NGU Report 2002.048

Core drilling, structure and volume estimation
in the Sât extraction prospect for hard rock
aggregates in Espevik, Rogaland.

Report no.: 2002.048		ISSN 0800-3416	Grading: Confidential until 02.05.2004 <i>Åpen</i>	
Title: Core drilling, structure and volume estimation in the Såt extraction prospect for hard rock aggregates in Espevik, Rogaland.				
Authors: Mogens Marker & Eyolf Erichsen		Client: Amrock JV AS & NGU		
County: Rogaland		Commune: Tysvær		
Map-sheet name (M=1:250.000) Haugesund		Map-sheet no. and -name (M=1:50.000) 1213-4 Skjoldastraumen		
Deposit name and grid-reference: Espevik		Number of pages: 71		Price (NOK): 250,-
Fieldwork carried out:		Date of report: 02.05.2002	Project no.: 2894.00	Person responsible: <i>Håvard Simonsen</i>
Summary:				
<p>In co-operation with Amrock JV AS, the Geological Survey of Norway (NGU) mapped in September 2001 the geology of a new potential extraction area for hard rock aggregates around Såt. The results were presented in NGU Report 2002.007.</p> <p>A drilling program was carried out in December 2001 – January 2002 in order to estimate the deep structure and volume of the different rock qualities in the Såt prospect. The drill-core logging indicates that biotite gneiss-granites are less frequent in the central part of the prospect than believed earlier. Instead, tonalitic biotite gneiss-granitoids and fine-grained biotite gneisses form larger proportions. The southwestern part of the Såt prospect is built up of alternating fine-grained grey biotite gneisses and tonalitic biotite gneiss-granitoids, which together form a thick steep-dipping southwestern body of "good quality rocks". The fold-like structure in the central part of the prospect is interpreted to extend much farther north than previously envisaged.</p> <p>Point-load testing has been carried out systematically on the drill cores from all boreholes. Detailed measurements show that there is no evidence for weathering in the uppermost first metres of the boreholes.</p> <p>Density measurements were carried out on all main rock types in the drill cores from the prospect. Based on the rock distribution in the drill cores, the average density of rock types dominating the southwestern part of the prospect is calculated to 2.83. For the total area the median of the density for the different rock types vary from 2.67 to 3.04.</p> <p>To estimate the volume of bodies with different rock qualities in the Såt prospect, a 3D model has been established for the planned open pit. The southwestern body in the planned pit constitutes 30% of the total volume as a "potential volume" of aggregates showing "good mechanical quality". The central body makes up 39% by volume as a "speculative volume" of possible "good mechanical quality" rocks, while the northeastern body comprises 31% of the volume as a "potential volume" of aggregates of "moderate technical quality". The total volume in the Såt prospect is calculated to 285.8 mill. metric ton.</p>				
Keywords: Hard Rock Aggregate		Core drilling		Structural geology
3-D model		Geology		Mechanical properties
Point load test		Density		Engineering geology

CONTENTS

CONCLUSION	4
1. INTRODUCTION	5
2. THE PRESENT INVESTIGATION.....	6
3. GEOLOGY AT DEPTH	8
3.1 Borehole logs	8
3.2 Structural model	11
4. POINT-LOAD TESTING.....	13
5. DENSITY.....	17
6. VOLUME CONSIDERATIONS	19
REFERENCES.....	21

ENCLOSURES

- Figure 3: Borehole log plot for BH 1
- Figure 4: Borehole log plot for BH 2
- Figure 5: Borehole log plot for BH 3
- Figure 6: Borehole log plot for BH 5
- Figure 7a-c: Profiles through the Sât prospect

APPENDICES

- Appendix A : Borehole logs
- Appendix B : Point-load measurements

CONCLUSION

The following conclusions can be made from the present investigation:

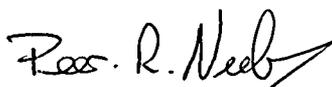
- The rocks in the four drilled boreholes are identical to those distinguished at surface during the geological mapping. The drill-core logging indicates that biotite gneiss-granites are less frequent in the central part of the prospect than believed earlier. Instead, tonalitic biotite gneiss-granitoids and fine-grained biotite gneisses form larger proportions.
- The southwestern part of the Såt prospect consists of alternating fine-grained grey biotite gneisses and tonalitic biotite gneiss-granitoids, which together form a thick steep-dipping southwestern body of "good quality rocks".
- The fold-like structure in the central part of the prospect is interpreted to extend much farther north than previously envisaged. The badly exposed northern part of this extended structure, was previously interpreted to contain mainly porphyritic biotite gneiss-granite. Most likely, it contains instead mainly "good quality rocks". In any case, "good quality" tonalitic biotite gneiss-granitoid with layers of fine-grained grey biotite gneisses and local biotite gneiss-granite is present in the southern part of this re-interpreted fold-like structure, which forms a central body of potential "good quality rocks".
- Point-load testing has been carried out systematically on the drill cores from all boreholes. Detailed measurements show that there is no evidence for weathering in the uppermost first metres of the boreholes.
- For the point load test investigation in general, it has not been possible to find a correlation between the point-load index and any of the established test methods for rock aggregates like the Los Angeles test. There is a weak tendency that low point-index values are obtained from rocks with the best developed foliation, while high values are obtained from more massive intrusive rocks. This indicates that there may be a negative correlation between the point-load value and the Flakiness index value.
- Density measurements on amphibolites and fine-grained biotite gneisses yield a median density of 2.79-3.04 while the other rock types show values of 2.67-2.77. The porphyritic biotite gneiss-granite has the lowest density, 2.65-2.75. Based on the rock distribution in the drill cores, the average density of rock types dominating the southwestern part of the prospect is calculated to 2.83. For rocks in all the boreholes the average density is calculated to 2.81.
- To estimate the volume of bodies with different rock qualities in the Såt prospect, a 3D model has been established for the planned open pit. From this model, it is estimated that the southwestern body in the planned pit constitutes 30% of the total volume as a "potential volume" of aggregates showing "good mechanical quality". The central body makes up 39% by volume as a "speculative volume" of possible "good mechanical quality" rocks, while the northeastern body comprises 31% of the volume as a "potential volume" of aggregates of "moderate technical quality". The total volume in the Såt prospect is calculated as 102.8 mill. m³ corresponding to 285.8 mill. metric ton.

1. INTRODUCTION

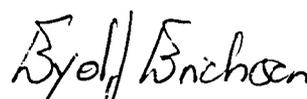
In co-operation with Amrock JV AS, the Geological Survey of Norway (NGU) mapped, in September 2001, the geology of a new potential extraction area for hard rock aggregates around Sât, near the existing quarry in Espevik, Tysvær commune in Rogaland county. This first part of the project comprised geological mapping and interpretation and sampling of the different rock types for mechanical testing and microscopical analyses. The aim was, by combining geological information and test results from mechanical properties, to estimate the potential for extraction hard rock aggregates in the new Sât prospect. The results were presented in NGU Report 2002.007 in February 2002.

Encouraged by promising results from the first part of the project a drilling program was carried out in December 2001 – January 2002 in order to estimate the deep structure and volume of the different rock qualities in the Sât prospect. The second part of the project, presented in this report, encompasses logging of totally 525 metres drill core from four boreholes. By combining structural analysis and borehole information, a model for the structure and distribution of lithologies at depth has been elaborated, as illustrated by six sections constructed through the prospect. This model and the mechanical test results presented in the first report, has allowed volume calculation of the main bodies of rock quality and thus estimates of the reserves. In order to add density information to the volume estimate the density has been determined for about 30 drill core samples that represents the variation of the main rock units. Finally, point load testing was systematically carried out on the cores from all four boreholes.

Trondheim, 02. May 2002
Program for mineral resources


Peer-R. Neeb
Program leader


Mogens Marker
Senior Geologist


Eyolf Erichsen
Senior Geologist

2. THE PRESENT INVESTIGATION

The drilling program

A drilling program for the Sât prospect area was carried out by Scandinavian Rock Group (SRG) in December 2001 to January 2002. Drilling was decided by Amrock JV AS in order to achieve more safe predictions of the continuity at depth of the rock units established during the surface mapping [1] and to assist structural analysis in developing a more reliable spatial model of the structure in the Sât prospect. On the basis of the results from the first part of the project [1], NGU proposed the location of boreholes that would give optimal information. The final locations were decided jointly with Amrock JV AS, and four boreholes were drilled (Figure 1). BH 1, BH 2 and BH 3 were designed to provide information at depth in the western part of the prospect area, which consists of rock types that all gave good mechanical test results [1]. BH 5 was drilled in gneiss-granite on top of a fold-like structure containing “good mechanical quality rocks” in the central part of the prospect, in order to get more information from this badly exposed central area.

In this report, all boreholes are anticipated to follow a straight track downwards (constant angle), since deviation has not been measured for any of the holes.

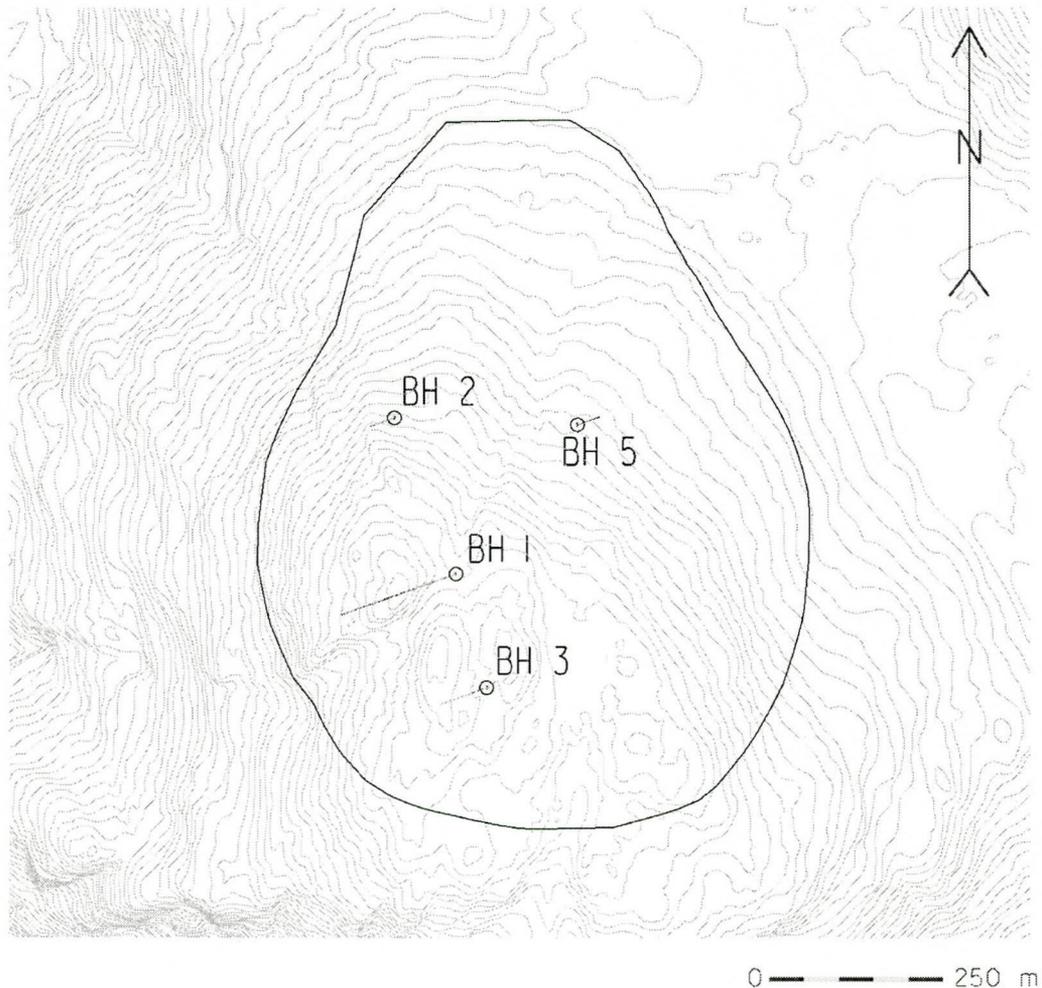


Figure 1. Location map for the boreholes in the Sât prospect area.

Summary of the previous geological and mechanical investigation [1]

The prospect area is built up of four main rock groups (see geological map in [1]).

- 1: The older group consists of fine-grained grey biotite gneisses, which are limited to the south-eastern half of the prospect. In addition, these rocks are characterised by containing scattered, up to a few centimetres thick, whitish quartzo-feldspathic veins (migmatites) which, however, by volume are of minor importance.
- 2: In the same area non-porphyrific to moderately porphyritic grey biotite gneiss-granitoids of tonalitic composition occur. They intrude the fine-grained grey biotite gneisses as major layer-shaped bodies or as sheets from one to a few metres in width.
- 3: The north-eastern half of the prospect is dominated by porphyritic biotite gneiss-granite and a non-porphyrific light grey biotite gneiss-granite, together forming the third group of granitic rocks.
- 4: The youngest group consist of a massive amphibolitic rock that form cross-cutting minor bodies, or dykes, with different orientation.

Mechanical test results (Los Angeles test and PSV, [1]) show that the rocks in the prospect area can be divided into two general groups (Figure 2). The first group consists solely of the porphyritic biotite gneiss-granite which shows an average LA value of 24.1 ± 1.4 . This rock crops out in the northeastern part of the prospect and shows mechanical test values similar to the Espevik gneiss-granite. The second group includes all other rock types in the prospect. They show much better values for the Los Angeles test with an average of 15.1 ± 2.8 . Apart from the non-porphyrific biotite gneiss-granite, the common feature for the second group is that K-feldspar, if present, occurs only in minor amounts.

An additional textural-mineralogical feature is that the plagioclase always shows alteration to Ca-poor plagioclase (albite) with very fine-grained cloudy epidote (saussurite) and muscovite (sericite). The alteration may contribute to a strengthening of the crystal structure as a function of reduction of the grain size. This might explain why the plagioclase-rich rocks, in spite of their diversity, show better mechanical properties when compared to the K-feldspar-rich porphyritic biotite gneiss-granite.

In the following, the rocks in this second group (fine-grained grey biotite gneisses, grey biotite gneiss-granitoids (tonalites) and light grey biotite gneiss-granite) will, to simplify, be termed “good quality rocks”. The porphyritic biotite gneiss-granite of the first group, and the Espevik granite, will similarly be termed “moderate quality rocks”.

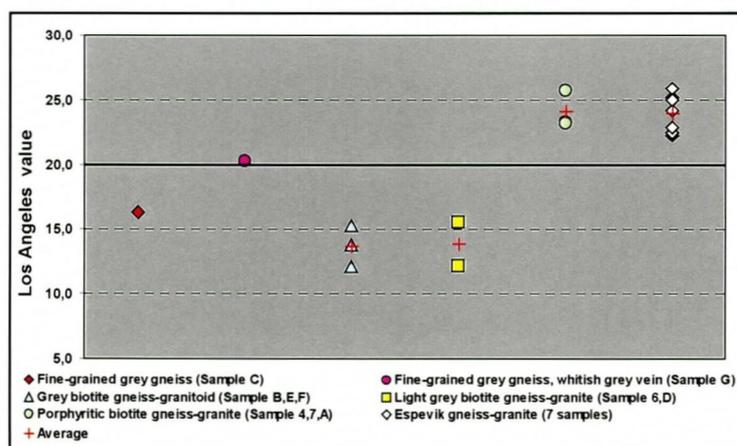


Figure 2. Los Angeles values for the different rock types in the Såt area.

3. GEOLOGY AT DEPTH

3.1 Borehole logs

The drill cores from the four boreholes in the Sât prospect, BH 1, BH 2, BH 3 and BH 5 (see Figure 1 for location) were logged at NGU in January-February 2002. The results from the logging are presented in Appendix A. In addition to rock type, other features like colour, grain size and foliation were recorded and coded in the tables for digital treatment. On this basis the logs have been plotted in a simplified version in Figure 3-6. Also structural features, primarily orientation of foliation (measured as the angle between core axis and foliation) and occurrence of folding, were recorded in order to supply constraints for profile construction (Figure 7a-c).

The rock units previously established during the geological mapping [1] could also be distinguished in the drill cores, and with some refinements this subdivision was successfully applied during the logging. Due to excellent conditions for observation in the drill cores, more information could be added for a better description of the rock types, their variation, alternation and structural condition. It should also be mentioned that all rock types are grey in colour and in many cases show little contrast in lithological appearance. For instance, well-foliated or sheared non-porphyritic gneiss-granitoids or -granites tend to look like the foliated fine-grained biotite gneisses, though the latter usually can be distinguished because it contains scattered, thin quartzo-feldspathic veins (migmatite). Solving questions like this is important for better estimations of the mechanical qualities and have made detailed logging necessary and often time-consuming. Some of the most important refinements of the previously established rock subdivision is described in the following.

Fine-grained grey biotite gneisses are relatively straight-forward to distinguish in the drill cores since they mostly contain scattered, up to a few centimetres wide, whitish quartzo-feldspathic veins. Though characteristic for the gneisses, these veins are volumetrically insignificant. The fine-grained grey biotite gneisses occur in colour variants from grey to dark grey, reflecting increasing content of biotite, and in dark varieties also hornblende. In the log tables “darker grey” implies the colour between grey and dark grey. With increasing hornblende content fine-grained dark grey biotite gneiss may grade into amphibolite. Though few samples of fine-grained grey biotite gneisses have been studied in thin section, it seems likely that they all have plagioclase as feldspar, and good mechanical properties with Los Angeles values less than 20, as in the tested sample (sample C in Figure 2).

Amphibolites are far more common in the drill cores than they are observed in the field. The amphibolites are fine-grained to fine medium-grained with a variable content of biotite. With only few exceptions, they occur interlayered and associated with the fine-grained grey biotite gneisses, and like these the amphibolites commonly contain scattered quartzo-feldspathic veins, which again are insignificant in volume. Three metres of massive amphibolite without veining occur in the upper part of BH 5 (470-777 cm; Figure 6), which may belong to one of the discordant amphibolitic bodies that occur scattered in the area (see [1], geological map).

While amphibolite forms a minor rock component in boreholes BH 1, BH 3 and BH 5, it occurs abundantly in BH 2 in the interval 3752-6995 cm (Figure 4). For the prospect as a whole this is considered as an exception, a local amphibolite layer, and the total volume of amphibolite, as judged from the other boreholes, is probably close to 3-5%. No thin-sections have been studied of veined amphibolite, nor has mechanical testing been carried out.

Since both biotite gneiss-granite and biotite gneiss-granitoid (tonalite) are grey in colour and occur in non-porphyritic and porphyritic varieties, the two rock types are not always easy to distinguish in the cores. Local stronger development of a foliation adds further difficulty to the identification. Since the mechanical test results for the biotite gneiss-granitoids (whether non-porphyritic or porphyritic) and non-porphyritic biotite gneiss-granite show much better values than for the porphyritic biotite gneiss-granite (Figure 2), a correct distinction between the three intrusive rock types is important. The tonalitic biotite granitoids contain, in part, small amounts of hornblende in addition to biotite, which is one good criterion to distinguish them from the porphyritic biotite gneiss-granite where hornblende never has been observed.

In addition to lithological and textural criteria, obvious correlation to known rock types at the surface makes this distinction quite safe in BH 1, BH 2 and BH 3. Thus it may be concluded that porphyritic biotite gneiss-granite hardly occurs in these boreholes, and that the intrusive rock type at depth almost only is biotite gneiss-granitoid (tonalite). The conclusion was checked and confirmed by inspection of a few thin-sections of these rocks from the cores (Table 1). This confirms, what was inferred from surface geological mapping [1], that the western part of the Såt prospect constitutes a steeply-dipping body of alternating biotite gneiss-granitoids and fine-grained grey biotite gneisses which both show good mechanical properties (see also profiles, Figure 7a-c).

The distinction between biotite gneiss-granitoid, non-porphyritic biotite gneiss-granite and porphyritic biotite gneiss-granite in BH 5 is more difficult, because the area is badly exposed. Apart from the uppermost part of the borehole, this does not allow correlation to safely identified rock types at the surface. However, with the experience from the boreholes in the west, logging of BH 5 showed that, in addition to fine-grained grey biotite gneisses, non-porphyritic and porphyritic biotite gneiss-granitoids are widespread in the middle part of BH 5 (see Figure 6 and Profile C in Figure 7b). Inspection of a few thin-sections from selected parts with intrusive rock types in the core confirmed this conclusion, and even suggested that the occurrence of porphyritic biotite gneiss-granite may have been overestimated, especially in the lower part of BH 5 (Table 1). Only an additional thin-section study may disclose the proportion between biotite gneiss-granitoid and porphyritic biotite gneiss-granite in the lower part of BH 5 with greater certainty. For the time being it is concluded that BH 5 contains a significant component of biotite gneiss-granitoid. This has important implications for the structural interpretation in the central part of the Såt prospect since the fold-like structure in the southern part of the prospect (geological map in [1]) seems to extend much farther north than previously envisaged (see structural section later, and Figure 7a-c).

It must be emphasised, as described in the report from the first part of the project [1], that the tonalitic biotite gneiss-granitoids originally intruded the fine-grained grey biotite gneisses and thus contain several, up to a few metres wide, fish-shaped inclusions of the latter. Similarly, the fine-grained grey biotite gneisses commonly contain several layers of intruded tonalitic biotite gneiss-granitoids. But since both rock types show comparable “good mechanical quality” (cf. Figure 2), their intermingling should not present any problem during production.

Black amphibolitic biotite gneiss/rock occur in thin layers at several levels in the all boreholes. The rock is a strongly foliated biotite-rich rock that typically contains small quartzo-feldspathic veinlets. The layers are usually less than a few centimetres thick, but may sometimes be as thick as 50-75 centimetres, but then mostly folded and in this way repeated (see Appendix A and Figure 3-6). The black amphibolitic biotite gneiss layers seem to represent local thin shear zones of insignificant contribution to the bulk rock volume. Similar

sheared amphibolitic biotite gneisses were, by the way, observed in local thin shear zones in the Espevik granite during the mapping of the operating quarry (see p. 10 in [3]).

White pegmatites have been recorded at many levels in all boreholes, and within all rock types (see Appendix A and Figure 3-6). The pegmatites are usually up to a few decimetres thick but may sometimes attain thicknesses of 1-2½ metres as in BH 1 (18260-18514 cm) and BH 5 (several levels). Though ubiquitous, the pegmatites only make up 1-2% of the bulk rock volume.

Table 1. Mineral composition of intrusive rock types from boreholes BH 1 and BH 5. Estimated modal composition (in %).

Core interval	Rock type	Qz	Plag	K.f.	Hbl	Chl	Ep	Bi	Mu	Oth
BH 1										
14016-14020	Grey biotite gneiss-granitoid	25	60				x	15	x	1
19343-19347	Grey biotite gneiss-granitoid	30	55		15		x	5	x	
21793-21797	Grey biotite gneiss-granitoid	30	55		3		x	12	x	
24703-24707	Grey biotite gneiss-granite	35	35	20			x	10	x	
BH 5										
1414-1418	Light grey biotite gneiss-granite	35	20	40		+	x	5	x	1
2463-2467	Grey biotite gneiss-granite (granodiorite)	40	40	15		+	x	5	x	
5933-5937	Light grey porphyritic biotite gneiss-granitoid	40	50				x	10	x	
6753-6757	Light grey porphyritic biotite gneiss-granitoid	40	50				x	10	x	
8373-8377	Light grey porphyritic biotite gneiss-granite	25	40	20			x	15	x	
9048-9052	Light grey porphyritic biotite gneiss-granitoid	30	45	10		14	x	1	x	

Qz - quartz, Plag - plagioclase, K.f. – Alkali feldspar, Hbl - hornblende, Chl - chlorite, Ep – epidote (saussurite), Bi - biotite, Mu – muscovite (sericite), Oth - other minerals. x - The content of epidote (saussurite) and muscovite (sericite) is significant coming from alteration of plagioclase and is included in the value for plagioclase.

Grain size and foliation in the boreholes

The grain size (see Figure 3-6) for the overwhelming part of the rocks in the Sât prospect is fine- to medium-grained, and generally less than 2 mm. Even porphyritic rock types show this grain size, since the porphyroblasts are recrystallised to a finer-grained mosaic. In addition, the alteration of plagioclase seems to act as a functional reduction of the grain size, even in larger grains. The only major exception in grain size are shown by the pegmatites which are coarse-grained, or if deformed, medium- to coarse-grained.

The development of the foliation (weak to strong) is another descriptive parameter that has been recorded systematically during the core logging (see Appendix A). The results are presented graphically in Figure 3-6. The strength of the foliation varies quite a lot through the boreholes, but generally the foliation is normally or moderately developed. However, locally the foliation is well-developed to mylonitic, but usually over thin intervals (see Figures 3-6). In some cases, strong foliation is attained in certain lithologies, such as the black amphibolitic biotite gneiss, which also is interpreted as a sheared rock. This special, and very subordinate rock also seems to have some tendency to occur along between different rock types. Generally, strongly foliated intervals occur subordinately, but parts with marked foliation could locally present a challenge for obtaining good cubical shapes during crushing.

3.2 Structural model

The spatial distribution of the different rock types in the Sât prospect has been constructed on the basis of structural analysis and borehole information. The result appears in a series of profiles through the prospect presented in Figure 7a-c. The location of the profiles is shown in the insert map of Figure 7a.

During the mapping in 2001 ([1], see geological map), structural data, first of all the orientation of the foliation, were recorded throughout the prospect. All rocks in the prospect have been affected by the deformation and show variable development of a foliation. They have also been affected by a penetrative stretching, with a lineation plunging moderately to the north. The foliation and the geological boundaries generally strike N-S with steep dips either to the west or the east. The major exception is a fold-like structure mapped in the south-central part of the Sât prospect (see geological map in [1]), where gentle northerly dips occur as well. When plotted, the foliation defines a fold axis plunging 25° due north (or a few degrees west of north). This fold axis, which is parallel to the stretching lineation, has been used in the construction of the profiles through the prospect (Figure 7a-c), to obtain the down-plunge projection of the geological boundaries established during the mapping.

Additional constraints for the construction of the profiles are provided by the borehole logging. In addition to lithological units, the logging provides information about the orientation of the foliation and the occurrence of folding in the drill cores (see Appendix A). The orientation of the foliation is recorded as the maximum angle between the foliation and the core axis. Because the drill core is not axially fixed in space, the measured foliation can dip in either of two opposite directions (in relation to the core axis) because of the rotation of the core during drilling. However, in most cases one solution can be excluded since we can correlate the geology in the core with geological information from surface mapping, as with BH 1, BH 2 and BH 3 (see Figure 7a-c). Interpretation in BH 5 is more difficult since we do not have such constraints from the surface geology. Instead, the structural interpretation must rely more on profile construction, performed as projection along the fold axis determined for the area.

The profiles

Figure 7 a-c shows the profiles through the Sât prospect as constructed from the principles outlined above. In each profile the limits of the planned quarry is shown assuming a dip of 50° for its walls. The discordant bodies of homogeneous amphibolitic rock that occur in the prospect (see geological map in [1]) has not been considered during the construction because of their unpredictable cross-cutting nature. But this rock seems to make up less than 1-2% of the total volume. Profile B, C, D, and E are selected so that they contain each of the boreholes. Where borehole data are available in a profile, they allow a more detailed determination of the structure in the area they are drilled, and in such cases profiling based on borehole data have prevalence over constructions made from surface information alone in the profiles. Since the profiles are constructed by projection along a fold axis plunging 25° N, the geology mapped at surface will project to increasingly deeper levels in profiles from south to north. For each profile the coloured part represents a projection of the geology from the area between the actual profile and the profile located immediately to the south. In addition, the actual profile has an un-coloured part with dotted boundaries that follows beneath the coloured part, which represents a down-to-the-north projection (and continuation) of the

geological structure determined for this southern profile. In this way, it is possible to follow the structure from north to south through Profile F to Profile A.

It must be pointed out that the profiles which rely on surface geological data alone have an inherent weakness since lack of outcrop/exposure prevent accurate mapping of lithological boundaries and structural details. This is less problematic for the rather well-exposed western and southern parts of the Sât prospect than for the central and northeastern parts where there are few outcrops. Thus, the structural details in the eastern parts of Profiles A, B, C and D have the largest degree of uncertainty, while the general structure in the western parts of the same profiles and in Profiles E-F is better constrained. The profiles must be considered as best available approximations, and where not constrained by borehole data, details could differ from what is shown.

Main results for the deep structure

As illustrated in the profiles in Figure 7a-c, the western part of the Sât prospect consists of alternating fine-grained grey biotite gneisses and tonalitic biotite gneiss-granitoids, with a minor component of granitic material, which together form a thick body of "good quality rocks" dipping 70°-80° ENE. Locally this body shows rather open folds, which seem to be more common to the south where the "good quality rock" body forms half of the volume in the planned new quarry. Amphibolite associated with the fine-grained grey biotite gneisses are estimated to make up less than 4-5% of the total volume, though a larger amphibolite body occurs in Profile B.

The fold-like structure containing "good quality rocks" that occurs in the south-central part of the Sât prospect was described in the report from the first part of the project [1]. With the new evidence from BH 5 it seems likely that this fold-like structure of potential "good quality rocks" extends much further north into the center of the prospect than previously reported. The structure can be followed all the way from Profile F to Profile A in Figure 7a-c. Because the north-sloping terrain and the north-plunging fold axis used are roughly parallel, the top (hinge) of this structure projects at a sub-surface level even into the northernmost Profile A. In consequence, the total volume of "moderate quality" porphyritic biotite gneiss-granite is less than expected in report [1].

The evidence for the presence of an extended fold-like structure comes primarily from BH 5 in Profile C. In the top of the borehole there is non-porphyritic gneiss-granite similar to that exposed at the surface. Then follows fine-grained grey biotite gneisses alternating with thin and thick layers of tonalitic biotite gneiss-granitoids, and finally porphyritic biotite gneiss-granite in the lower part of the core. At the bottom of BH 5 fine-grained grey biotite gneiss reappears. This means that the major part of BH 5 penetrates rock units that in the western part of the Sât prospect has been shown as "good quality rocks".

The re-interpretation of the fold-like structure to extend farther north is shown in the profiles in Figure 7a-c and in the inset map, Figure 7a. The area, previously assumed to contain porphyritic biotite gneiss-granite, between the layer of tonalitic biotite gneiss-granitoid in the west and the body of non-porphyritic biotite gneiss-granite shown in the east (compare with geological map in [1]) is not exposed at all. Most likely, the rocks in this area are the same as those encountered in BH 5, i.e. mainly "good quality rocks". The unknown rocks from this area are shown by violet colour in Figure 7a-c. We favour this interpretation, which could be checked further by, for instance, mapping the bedrock in digged trenches, or by drilling a

series of short holes. In any case, the already proven “good quality rocks” from the southern part of the fold-like structure comprise about half of the volume in the proposed new and larger structure, as it appears from the profiles in Figure 7a-c.

4. POINT-LOAD TESTING

Background

Point-load tests on core-material from boreholes have earlier been used by NGU to document weathering when samples are collected near the surface, i.e. by blasting down to approximately 0.5 metres depth [2]. The point-load index (I_s) was shown to correlate well with the amount of micro-cracks, which decrease in amount downwards in the boreholes. The study showed an improvement of up to 30% for most of the mechanical properties at levels approximately 5 metres below the surface. The study also showed that by using the point-load test on crushed fractionated material, it was possible to distinguish between weathered and unweathered material, since there appeared to be a connection between the point-load index and properties derived from the established mechanical test methods.

Point-load measurements

During the present investigation, point-load testing has been carried out systematically on the drill cores from all boreholes. In addition, measurements were done on crushed material from two samples collected for mechanical testing (sample F and G in Figure 2) in order to compare the point-load test with other mechanical methods. For the drill cores, the uppermost 10 metres was tested according to the requirements for the test method. Below 10 metres, the core were only covered by 1 to 2 measurements for each core-meter. All the measurements have been performed normal to the core axis. Because the boreholes were drilled with different core-diameter, all the values have been corrected to the standard reference core-diameter which is 50 mm ($I_{s(50)}$). The results of the point-load measurements on the drill cores are presented in Appendix B.

Results

Figures 8-11 show the results from the point-load index testing of the upper 10 metres for borehole BH 1, BH 2, BH 3 and BH 5 respectively. For each borehole, the point-load index has been compared with different lithological and textural parameters such as rock type, foliation and grain size (see Figures 3-6). In Figures 8-11, the parameter considered most important for the actual borehole has been plotted against the point-load index.

The conclusion from these plots is that there is no evidence for weathering in the uppermost first metres of the boreholes, whether point-load index is plotted against foliation or rock type.

In general, there is very large variation in the point-load index values even within intervals of similar rock type, foliation or grain size (Figures 3-6 and 8-11). Compared to traditional mechanical test methods like the Los Angeles test which test larger volumes, the point-load method is obviously very sensitive to very local variation in e.g. rock type and strength of foliation. In many cases there are a change in the point-load index value between different

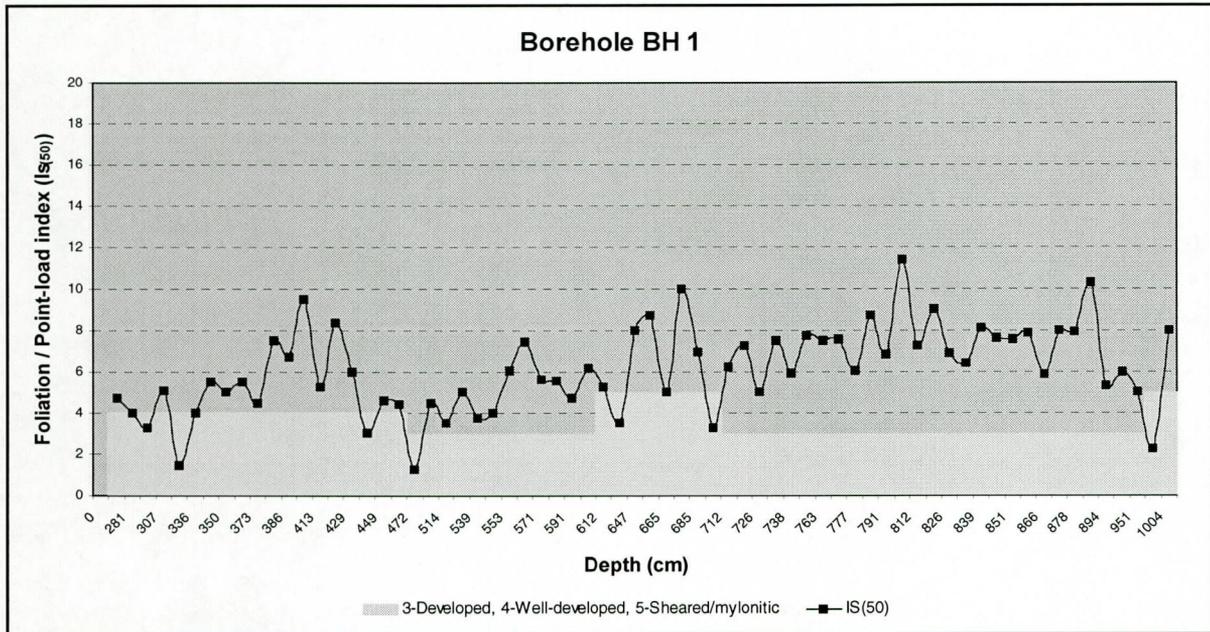


Figure 8. Foliation and Point-load index, Borehole BH 1.

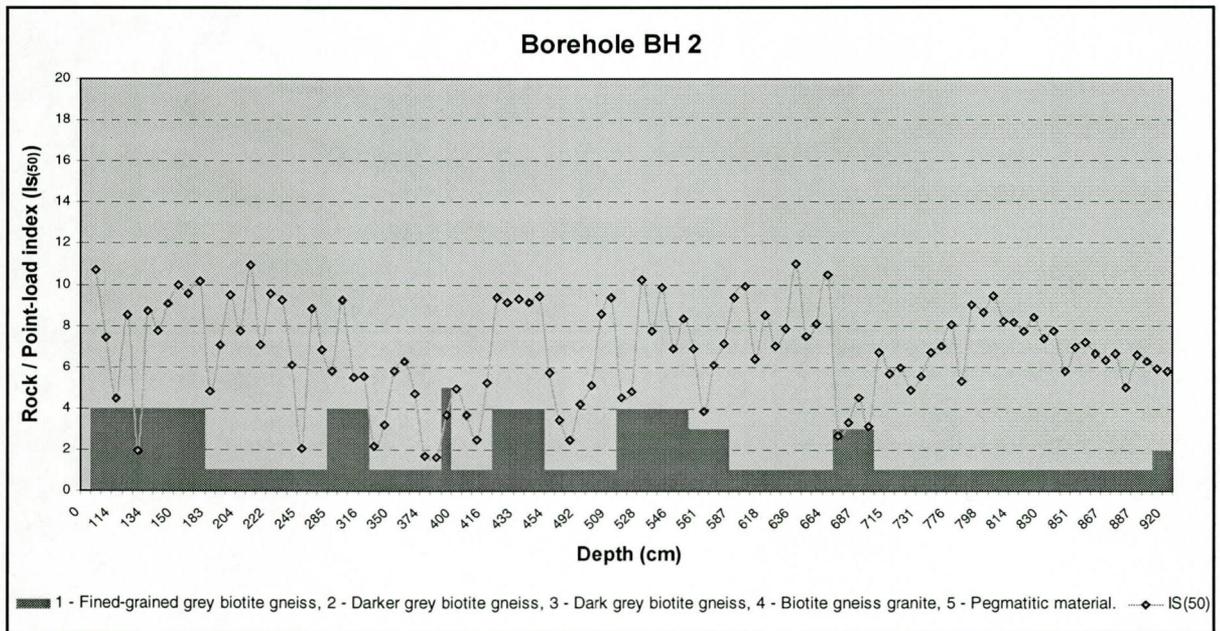


Figure 9. Rock type and Point-load index, Borehole BH 2.

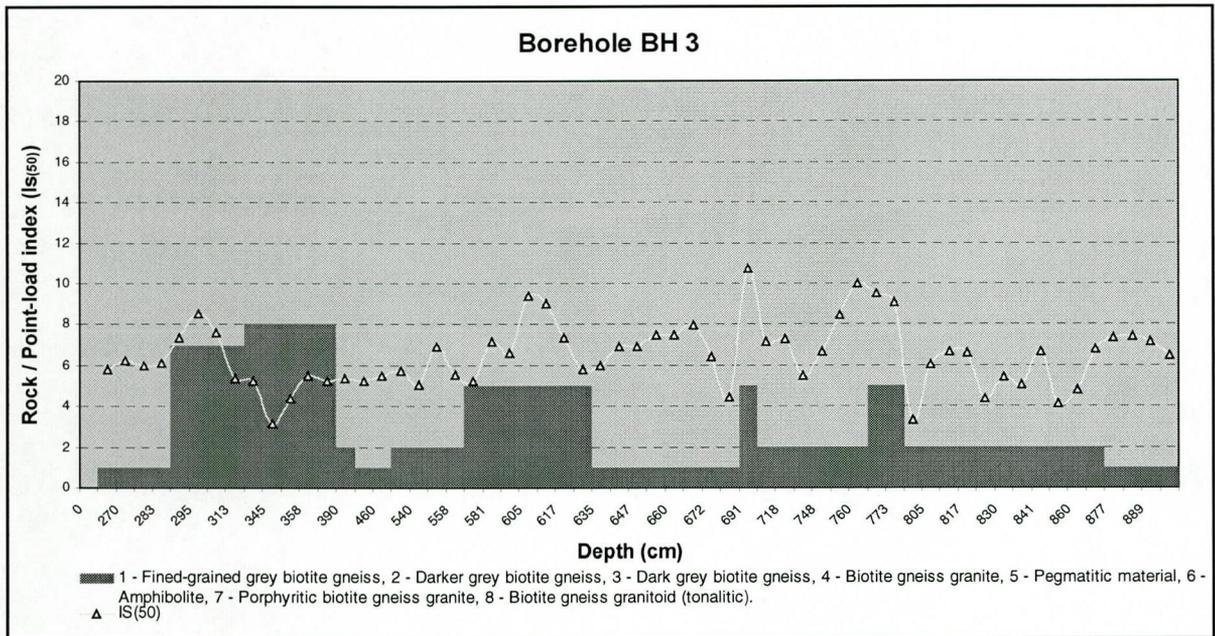


Figure 10. Rock type and Point-load index, Borehole BH 3.

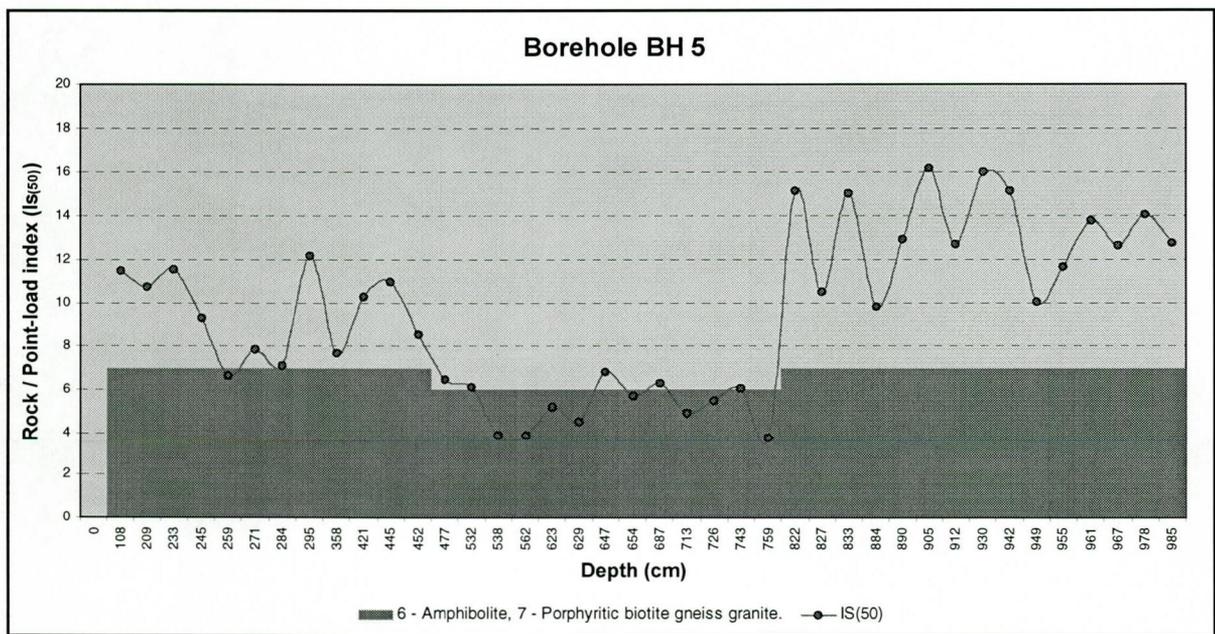


Figure 11. Rock type and Point-load index, Borehole BH 5.

rock types. A good example is seen in borehole BH 5 (Figure 11) where the index values are reduced in a layer of amphibolite between porphyritic biotite gneiss granite. It also seems that the method may reflect variably developed foliation (Figure 8).

Apparently, the point-load index data cannot be explained by a single lithological-textural parameter. The complexity of the data probably result from interaction between different parametres such as rock type, foliation, texture and grain size. Further research on this is outside the scope of this report.

An attempt to make some general conclusions from the point-load testing of the Sât drill cores (Figures 3-6) is as follows:

BH 1: There is a clear tendency that a strong foliation gives lower point-load index values. It is also clear that more massive intrusive rock types as tonalitic biotite gneiss-granitoids, biotite gneiss-granites and pegmatites show the highest point-load index values.

BH 2: There is no clear trend. If any it would again be that a stronger developed foliation lower the point-load index values.

BH 3: There is again a trend that a stronger developed foliation gives lower point-load index values. The rocks in this core are mainly fine-grained grey biotite gneisses, and neither lithological or grain size variations seem to affect the point-load index values.

BH 5: There is a clear indication that a stronger developed foliation gives lower point-load index values. Lithological variation seems, to some extent, to determine the level of the point-load index values. For example, the amphibolite in the top of the borehole shows a marked by lower value than the surrounding biotite gneiss-granite. As in BH 1 it is also clear that more massive intrusive rock types, such as tonalitic biotite gneiss-granitoids, biotite gneiss-granites and pegmatites, show the highest point-load index values.

For the point load test investigation, it may be concluded that it has not been possible to find a correlation between the point-load index and any of the established test methods for rock aggregates such as the Los Angeles test (shown in Figure 2). In the drill cores from the Sât prospect, there is a tendency that a higher point-load index value indicates a lower Los Angeles value. There is also a tendency that low point-index values are achieved from rocks with the best developed foliation, while high values are obtained from more massive intrusive rocks. This indicates that there may be a negative correlation between the point-load value and the Flakiness index value.

Crushed material left over from the mechanical samples F and G was examined in the point-load tester on fraction 10-14 mm. In Figure 12 the results are plotted against the Los Angeles values obtained from the same samples, and the Los Angeles values from samples which have been documented as weathered or unweathered [2]. Sample F and G are clearly linked to the group distinguished as unweathered, suggesting that there is no indication of weathering effects in the Sât prospect, as concluded for Figures 8-11 earlier.

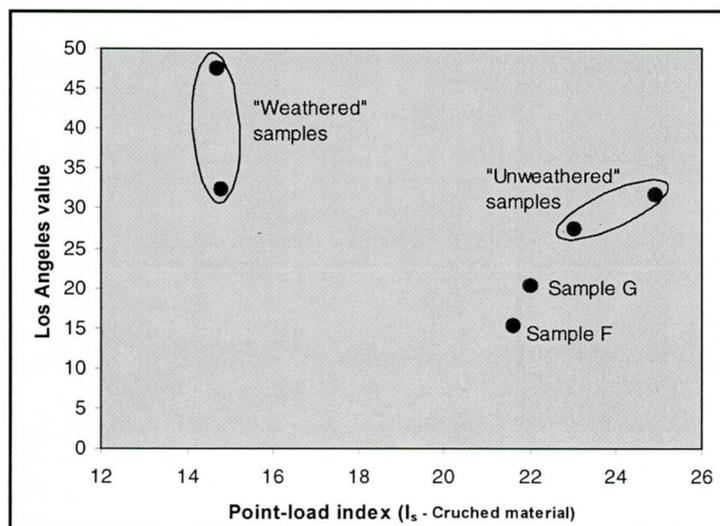


Figure 12. Point-load index – Los Angeles value.

5. DENSITY

In order to estimate the density distribution in the planned quarry, density measurements have been carried out on all main rock types in the drill cores from the Sât prospect. Since the same rock types occur in all the prospect area, it is possible to assign a density to the different “rock quality bodies” which have been distinguished (see profiles in Fig 7a-c, and the following section about volume estimations). In addition to the drill core measurements, the density have been determined for all samples collected for mechanical testing earlier (samples A-G). During NOTEBY’s investigation [4] density was measured on tested samples; and samples 4, 6 and 7 are from their report. The results of the density measurements are shown in Table 2 and Figure 13. The median density has been calculated for each rock type.

Table 2. Density for the different rock types.

Rock type	Borehole	Interval (cm)	Mechanical sample	Measured density	No. of samples	Density (median)
Amphibolite	BH 2	4600-4625		2.97	3	3.04
	BH 2	6050-6075		3.04		
	BH 1	22978-23000		3.07		
Fine-grained grey biotite gneiss	BH 1	16366-16386		2.68	5	2.79
	BH 1	4144-4163		2.74		
	BH 3	1141-1162		2.79		
	BH 2	1173-1200		2.80		
	BH 3	7238-7258		2.83		
Fine-grained darker grey biotite gneiss	BH 1	1420-1443		2.73	3	2.90
	BH 3	9351-9377		2.90		
	BH 1	12200-12227		2.99		
Fine-grained dark grey biotite gneiss			C	2.93	4	2.88
	BH 5	4620-4640		2.78		
	BH 1	3178-3200		2.83		
	BH 1	13361-13390		2.98		
Fine-grained grey gneiss, white vein			G	2.84	1	2.84
Grey biotite gneiss-granitoid	BH 1	21806-21830		2.77	9	2.77
			B	2.84		
			F	2.67		
			E	2.77		
	BH 1	6323-6350		2.73		
	BH 3	2929-2952		2.74		
	BH 5	6732-6750		2.76		
	BH 1	19350-19372		2.82		
	BH 1	14022-14044		2.83		
Light grey biotite gneiss-granite			6	2.81	5	2.71
			D	2.71		
	BH 5	1046-1067		2.65		
	BH 5	1420-1443		2.65		
	BH 5	2447-2488		2.76		
Porphyritic biotite gneiss-granite			4	2.65	5	2.67
			7	2.67		
			A	2.66		
	BH 5	8380-8400		2.75		
	BH 5	9070-9092		2.75		

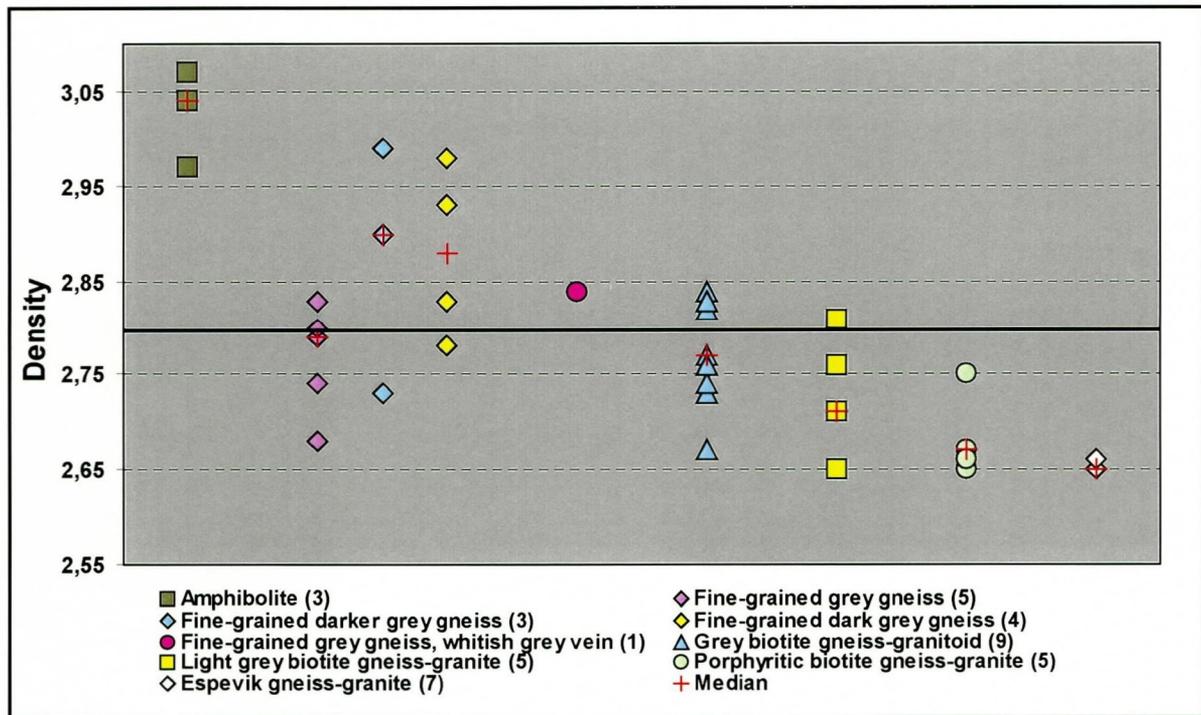


Figure 13. Density for the different rock types.

As seen in Table 2 and Figure 13, amphibolites and fine-grained biotite gneisses show median density values of 2.79-3.04 while the other rock types shows lower values of 2.67-2.77. The porphyritic biotite gneiss-granite shows the lowest density in the range of 2.65-2.75, a density that is similar to that of the Espevik gneiss-granite [3].

In order to obtain a rough estimate of the density variation of rock types within the prospect, the average density has been calculated based on the frequency of occurrence for the different rock types in the boreholes (Table 3). In this way, the average density for the rock types dominating the south-western part of the prospect is calculated to 2.83. For all the boreholes the density is calculated to 2.81. It should be mentioned that the porphyritic biotite gneiss-granite from the northeastern part of the prospect is under-represented, just as amphibolite is over-represented in the calculations based on boreholes. But taking this into account will only change the average density for the prospect as a whole to 2.82.

Table 3. Estimate of the density for the different rock types.

Rock types	Density (median)	BH 1 meter	%	BH 2 meter	%	BH 3 meter	%	BH 5 meter	%	All borehole meter	%	Average density
Amphibolite	3.04	12.1	4.8	24.8	33.3	2.4	2.4	5.7	5.7	45.0	8.6	2.83
Fine-grained grey biotite gneiss	2.79	50.0	20.0	21.3	28.6	62.2	62.2	5.0	5.0	138.5	26.4	
Fine-grained darker grey biotite gneiss	2.90	37.7	15.1	8.9	11.9	14.2	14.2	3.7	3.7	64.5	12.3	
Fine-grained dark grey biotite gneiss	2.88	34.9	13.9	1.2	1.6	2.0	2.0	9.8	9.8	47.8	9.1	
Fine-grained grey gneiss, white vein	2.84	15.3	6.1	5.6	7.5	4.0	4.0	5.7	5.7	30.7	5.8	
Grey biotite gneiss-granitoid	2.77	49.5	19.8	2.5	3.4	6.6	6.6	0.0	0.0	58.6	11.2	
Light grey biotite gneiss-granite	2.71	30.2	12.1	2.4	3.2	0.8	0.8	12.6	12.5	45.9	8.7	
Porphyritic biotite gneiss-granite	2.67	10.7	4.3	2.9	3.9	1.3	1.3	44.5	44.5	59.4	11.3	
Other		9.8	3.9	5.0	6.7	6.6	6.6	13.2	13.1	34.5	6.6	2.81
SUM		250.2	100.0	74.6	100.0	100.0	100.0	100.2	100.0	524.9	100.0	
Sum metres with measured density		240.4	96.1	69.6	93.3	93.4	93.4	87.0	86.9	490.4	93.4	

6. VOLUME CONSIDERATIONS

To estimate the volume of bodies with different rock qualities in the Sât prospect, a 3D model has been established (MicroStation + SiteWorks) for the planned open pit (Figure 14). The open pit is designed with a pad at + 5 meter above sea level. The dip of the wall in the pit is set to 50°.

In Figure 14 the quarry is divided into three different rock bodies based on the subdivision provided in the structural section earlier (see e.g. Figure 7a-c). A southwestern body consisting of alternating fine-grained grey biotite gneisses and tonalitic biotite granitoid-gneisses constitutes a “potential volume” for rock aggregates of “good mechanical quality” in the southwest. In the central part of the prospect a central body is distinguished that coincides with the interpreted extended fold-like structure (see structural section). The central body contains mixed rocks of unestablished volume proportions and therefore has uncertain mechanical quality. However, at least half of this body is estimated to consist of rocks with “good mechanical qualities” (fine-grained grey biotite gneisses, tonalitic biotite granitoid-gneisses and light grey biotite gneiss-granite; see structural section). The central body thus constitutes a “speculative volume” for rock aggregates of possibly “good quality”. The remaining part of the prospect in the north and northeast, the northeastern body, consists mainly of porphyritic biotite gneiss-granite. This body constitutes a “potential volume” for rock aggregates of “moderate mechanical quality”.

In the 3D-model, the southwestern body is limited in the northeast by a plane dipping 80° NE. The wedge-shaped central body is divided from the northeastern body by two planes; one dipping 80° NW, the other dipping 70° NE. The central body is truncated by the southwestern body in the southwest.

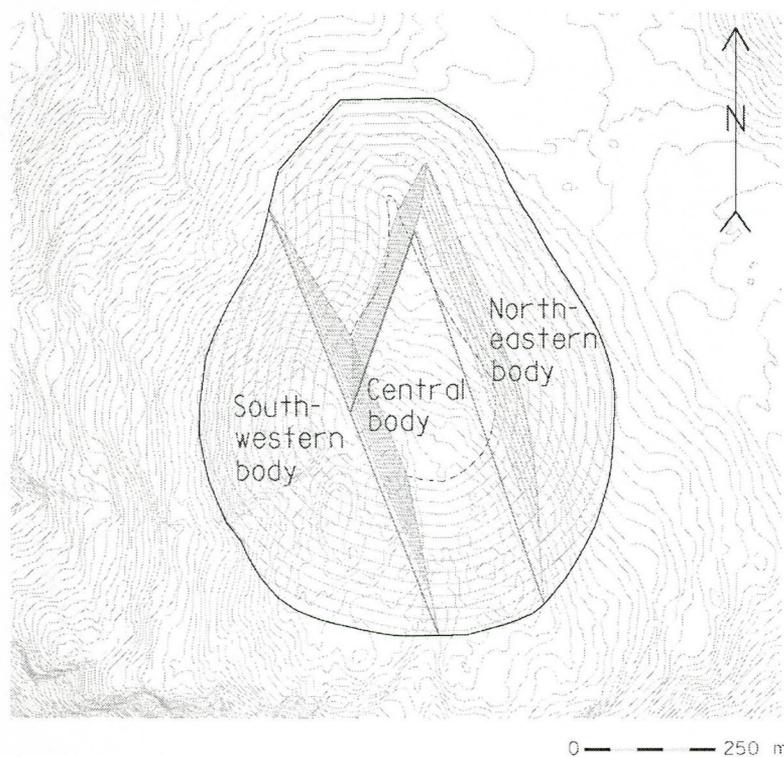


Figure 14. Design of the open pit divided into bodies of different rock quality.

The calculations carried out on this basis allow us to estimate the volumes for the three rock bodies distinguished in the Sât prospect (Table 4). The southwestern body constitutes 30% of the total volume forming a “potential volume” of aggregates showing “good mechanical quality”. The central body makes up 39% by volume and constitute a “speculative volume” of possible “good mechanical quality” rocks. This means that as much as 69% of the rocks in the planned pit may be of “good mechanical quality”. Since the southern part of the central body already is shown to consist of inferred “good mechanical quality” rocks (see Figure 7a-c), it seems likely that the “potential volume” of “good mechanical quality” rocks proved today will be around 50%. The actual composition of the central body has to be verified by further drilling or during operation of the quarry. Finally, the northeastern body is calculated to comprise 31% of the volume in the planned pit, as a “potential volume” of aggregates of “moderate technical quality”. The total volume in the Sât prospect is calculated as 102.8 mill. m³.

The volume estimates in metric tons (Table 4) are based on the calculated average density of 2.83 for the southwestern and the central bodies and 2.67 for the northeastern body. For the total volume estimate in metric ton an average density of 2.78 was used, calculated as a combination of 2.67 (31%) and 2.83 (69%).

Table 4. Volume estimates.

	Mill. m ³	% of total	Density	Mill. ton
“Potential volume” of good quality – Southwestern body	31.0	30	2.83	87.7
“Speculative volume” of possible good quality – Central body	40.0	39	2.83	113.2
“Potential volume” of moderate quality – Northeastern body	31.8	31	2.67	84.9
Total volume in planned pit	102.8	100	2.67/2.83	285.8

REFERENCES

- [1] Marker, M. & Erichsen, E. 2002: Geological and mechanical investigation of the Såt extraction prospect for hard rock aggregates in Espevik, Rogaland. NGU Rapport nr. 2002.007.
- [2] Erichsen, E 1999: Påvirkning av mekaniske egenskaper ved prøvetaking i dagfjellsonen. NGU Rapport nr. 99060.
- [3] Erichsen, E. & Marker, M. 2001: Pukkundersøkelser – Espevik, Tysvær kommune. NGU Rapport nr. 2001.015.
- [4] Holm, J.V. 2000: Nytt uttaksområde Såta – Geologiske undersøkelser, Felt- og laboratorieundersøkelser. NOTEBY. Oppdrag-/Rapportnr. 101046-2, 17. Okt. 2000

LEGEND TO FIGURE 3-6

	Grey	}	Fine-grained grey biotite gneiss
	Darker grey		
	Dark grey		
	Amphibolite		
	Amphibolitic biotite gneiss		
	Biotite gneiss granite		
	Porphyritic biotite gneiss granite		
	Biotite gneiss granitoid (tonalitic)		
	Pegmatitic material		
	Quartzo-feldspatic rock		

Figure 3: Sât - BH 1

Amrock JV AS

Total depth: 250 meter	Direction: 250 deg.	Drilling date: Dec. 2001/Jan. 2002
Location: Sât - Borehole 1	Plunge: 45 deg.	Drilled by: SRG
East-coord.: 0311232	Core diameter: 39 mm	Lithology logged by: M. Marker
North-coord.: 6583764		Point-load measurements: E. Erichsen

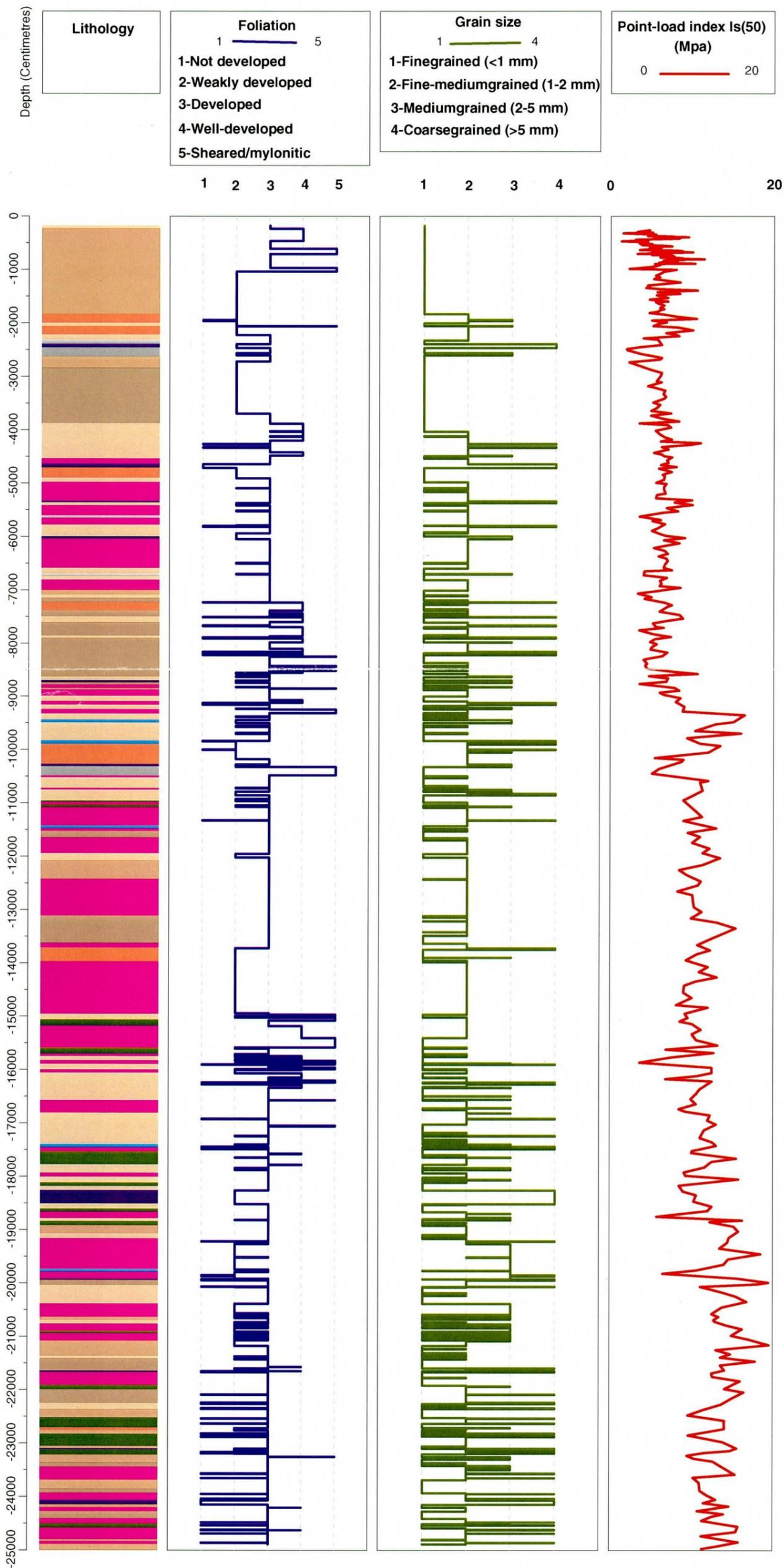


Figure 4: Sât - BH 2

Amrock JV AS

Total depth: 75 meter	Direction: 250 deg.	Drilling date: Dec. 2001/Jan. 2002
Location: Sât - Borehole 2	Plunge: 60 deg.	Drilled by: SRG
East-coord.: 0311154	Core diameter: 32/36 mm	Lithology logged by: M. Marker
North-coord.: 6583995		Point-load measurements: E. Erichsen

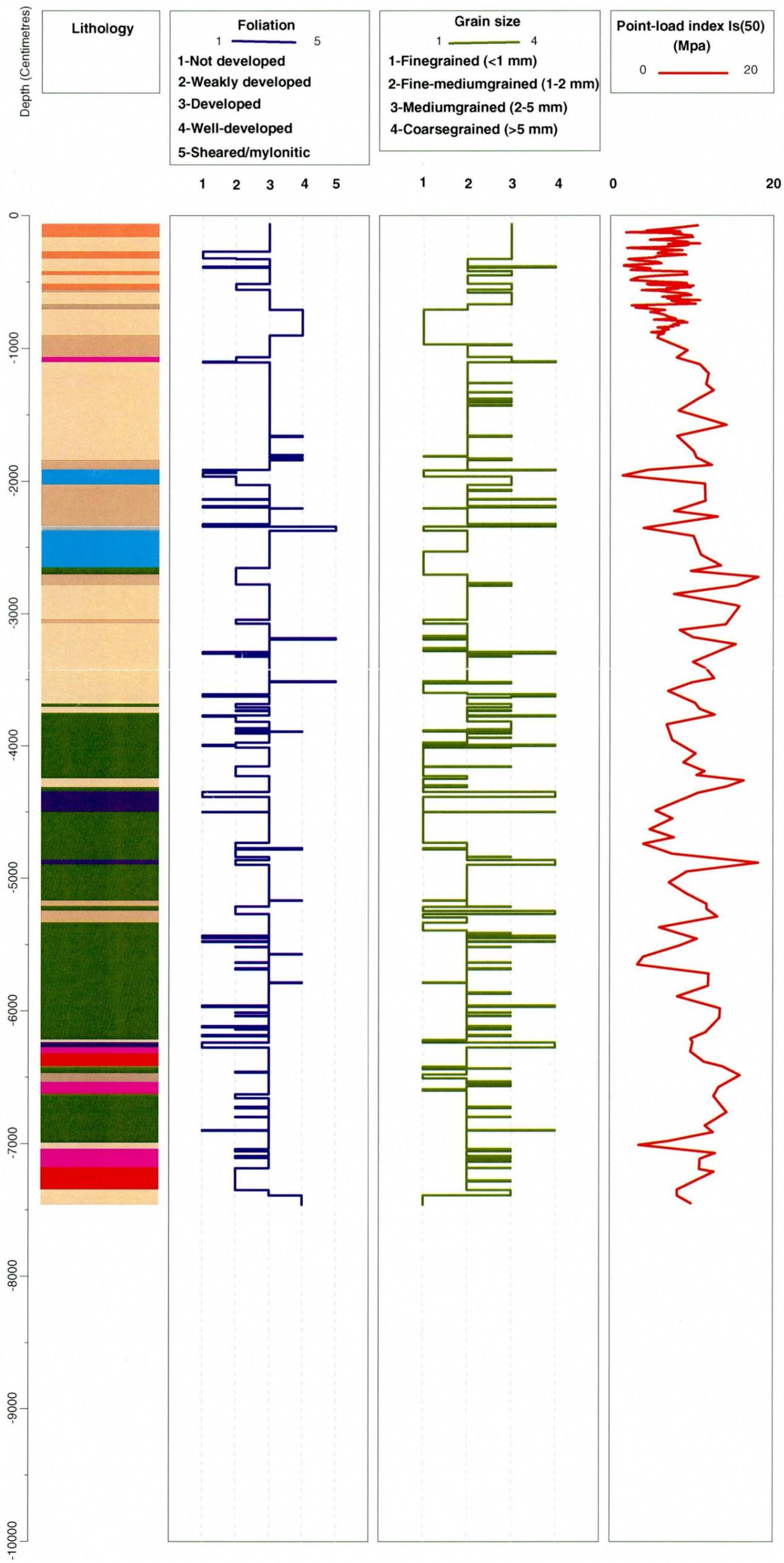


Figure 5: Sât - BH 3

Amrock JV AS

Total depth: 100 meter	Direction: 250 deg.	Drilling date: Dec. 2001/Jan. 2002
Location: Sât - Borehole 3	Plunge: 45 deg.	Drilled by: SRG
East-coord.: 0311268	Core diameter: 36 mm	Lithology logged by: M. Marker
North-coord.: 6583596		Point-load measurements: E. Erichsen

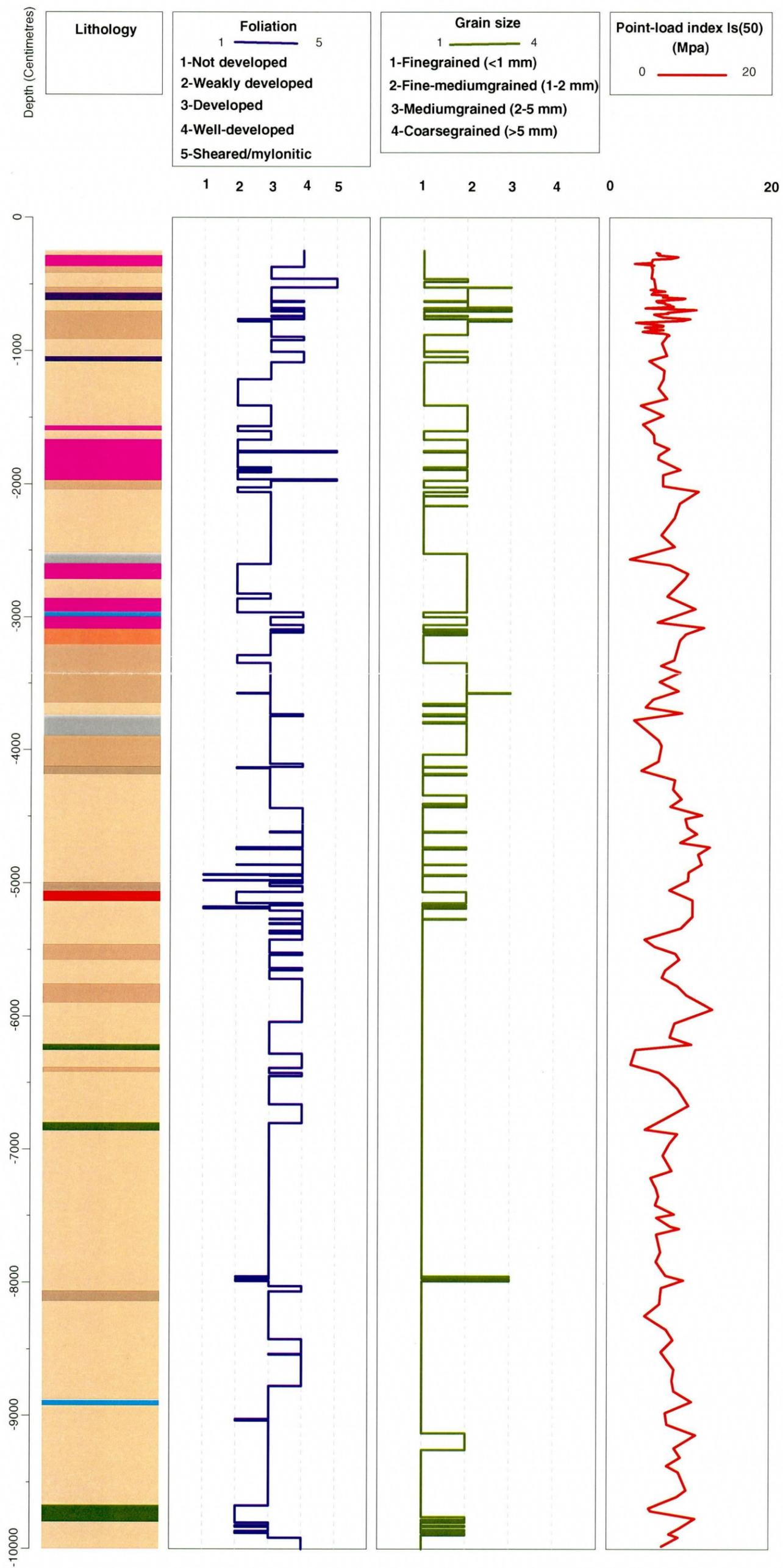
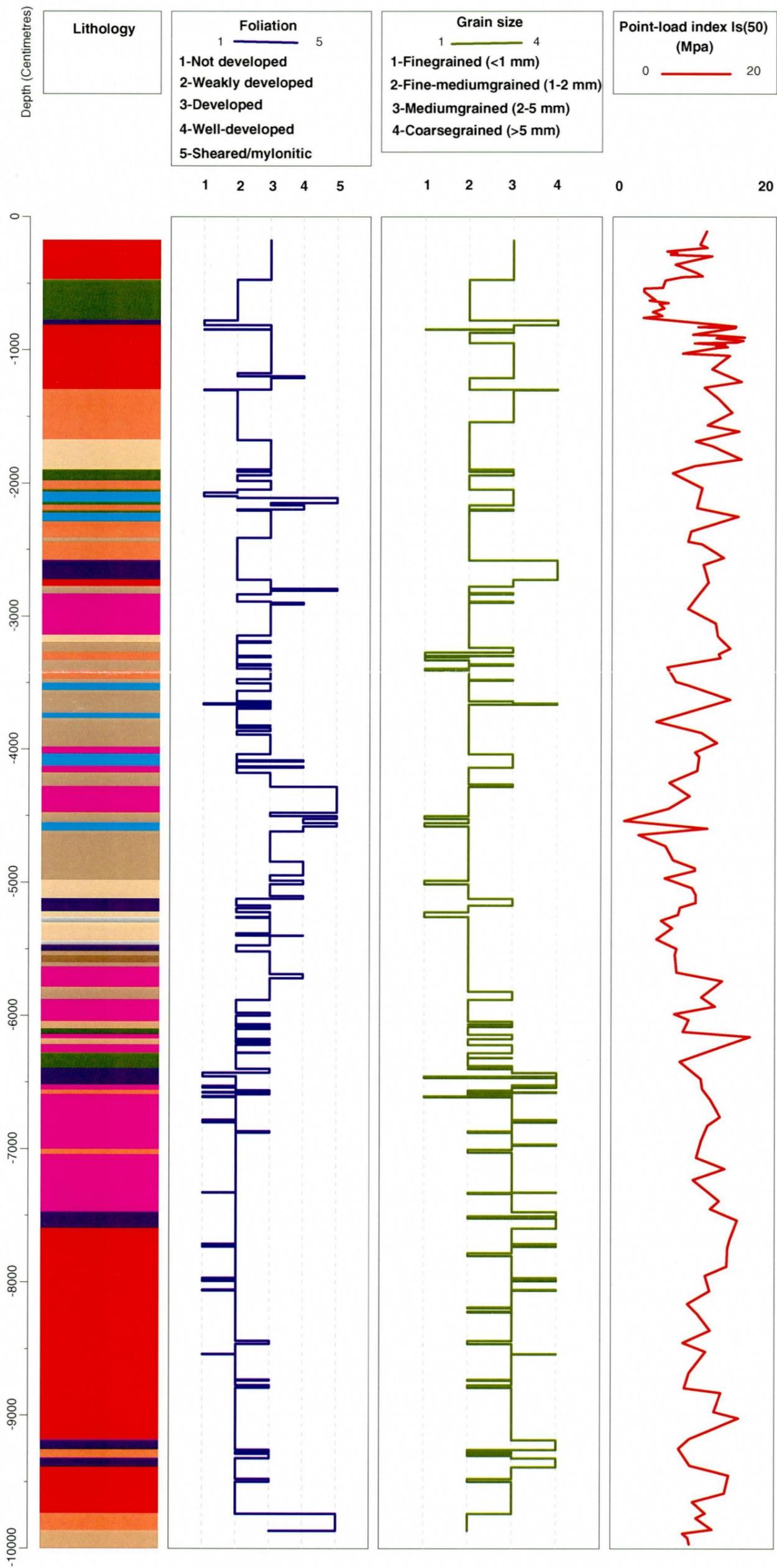


Figure 6: Sât - BH 5

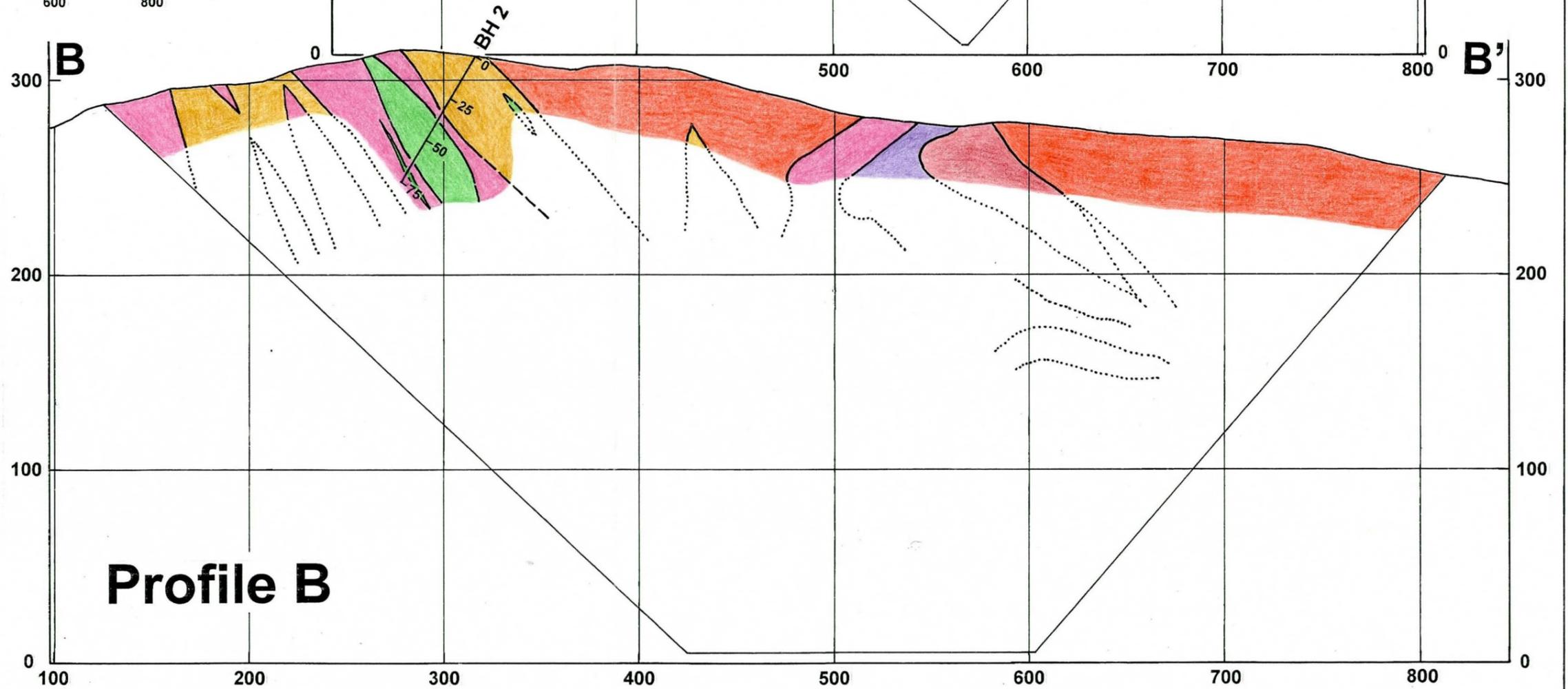
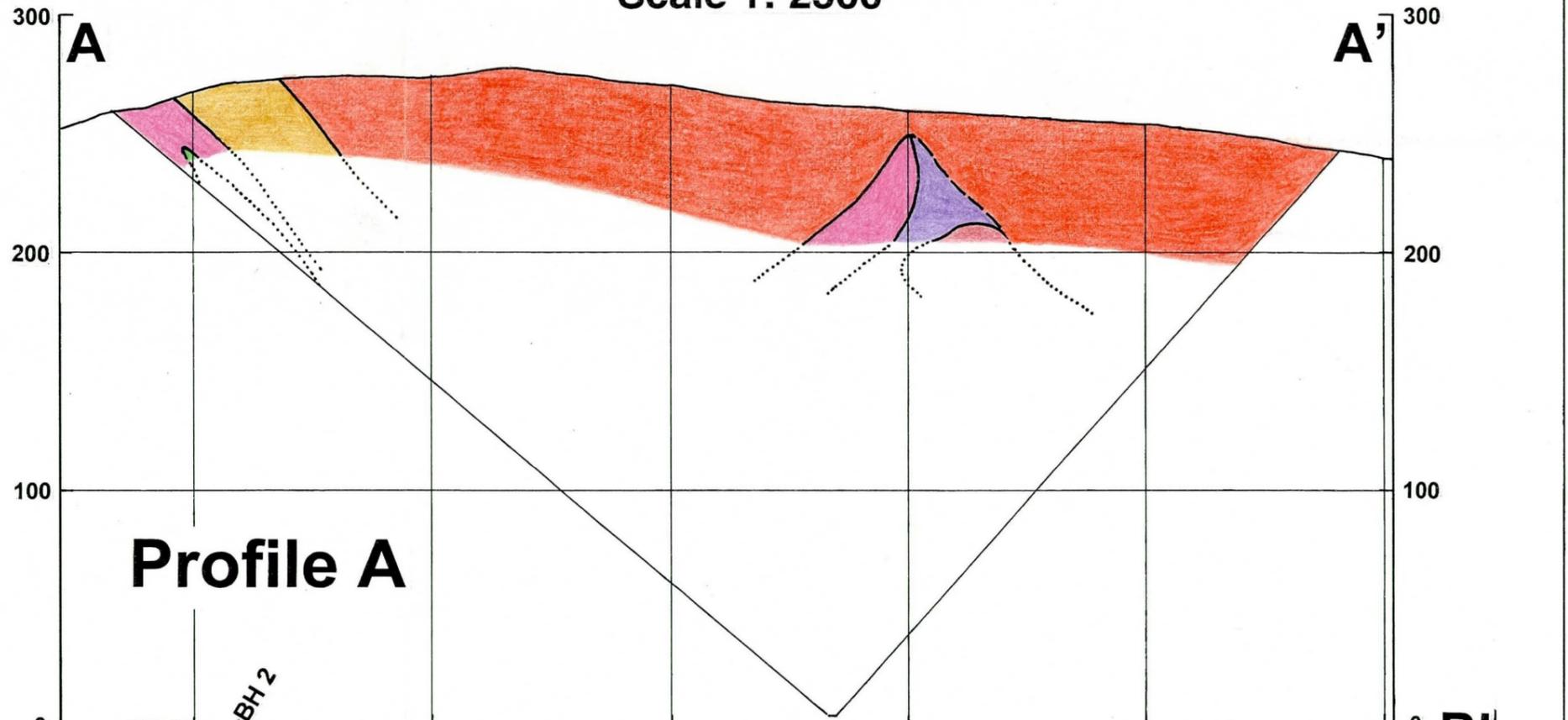
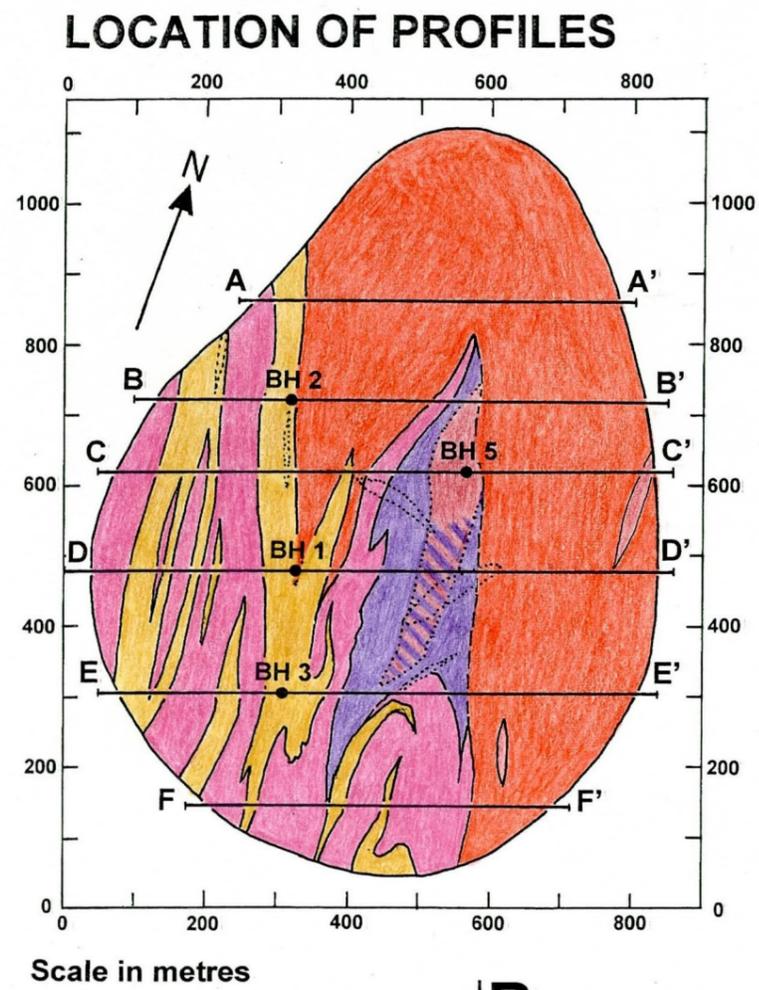
Amrock JV AS

Total depth: 100 meter	Direction: 70 deg.	Drilling date: Dec. 2001/Jan. 2002
Location: Sât - Borehole 5	Plunge: 70 deg.	Drilled by: SRG
East-coord.: 0311417	Core diameter: 32/36 mm	Lithology logged by: M. Marker
North-coord.: 6583973		Point-load measurements: E. Erichsen



PROFILES THROUGH THE SÂT PROSPECT

Scale 1: 2500



LEGEND

- Fine-grained grey biotite gneiss
- Amphibolite
- Light grey biotite gneiss-granite
- Porphyritic biotite gneiss-granite
- Biotite gneiss-granitoid (tonalitic)
- Undifferentiated rocks (mixed granitoid, grey biotite gneiss, granite?)

Figure 7a

Scale in metres

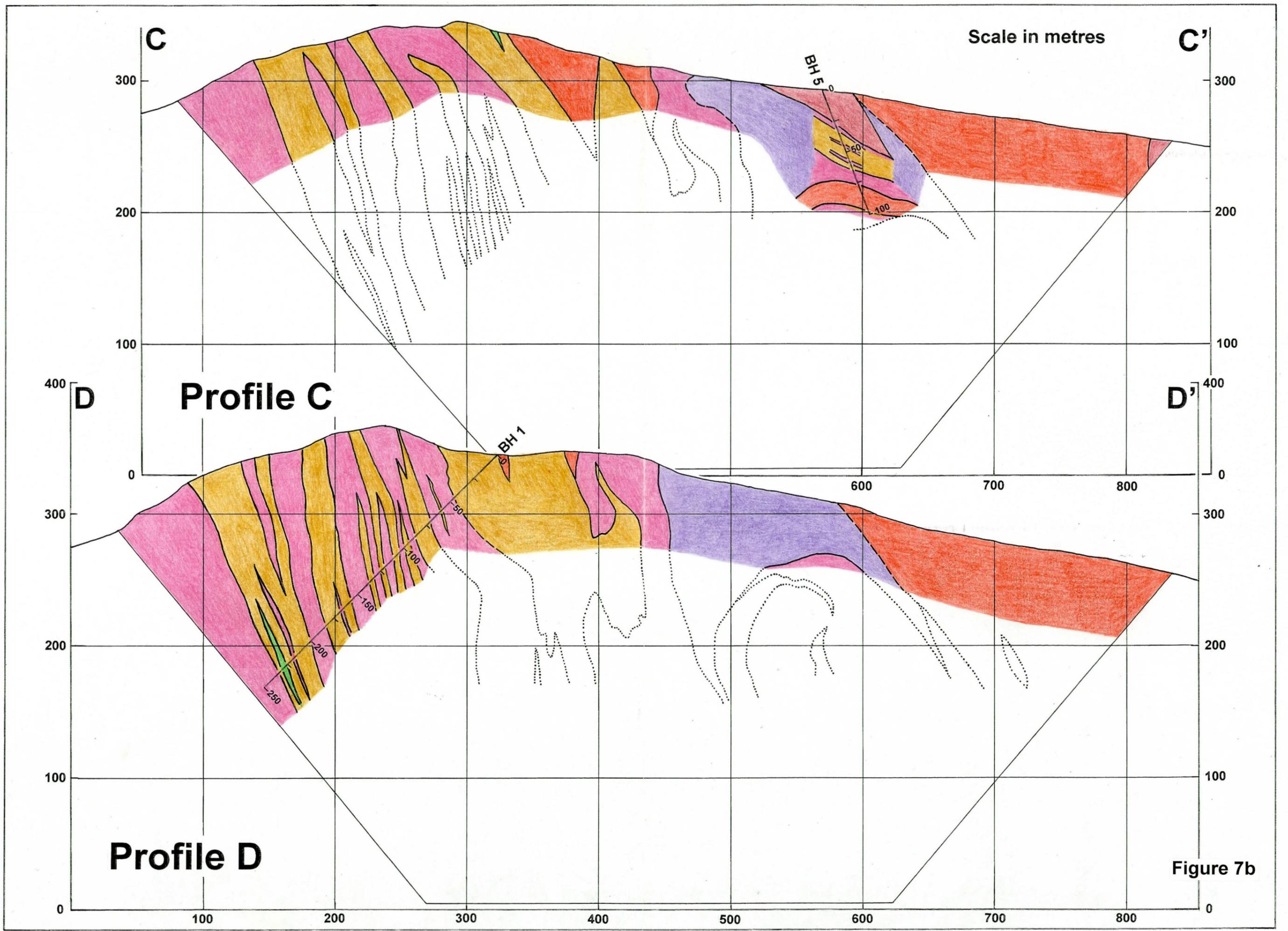
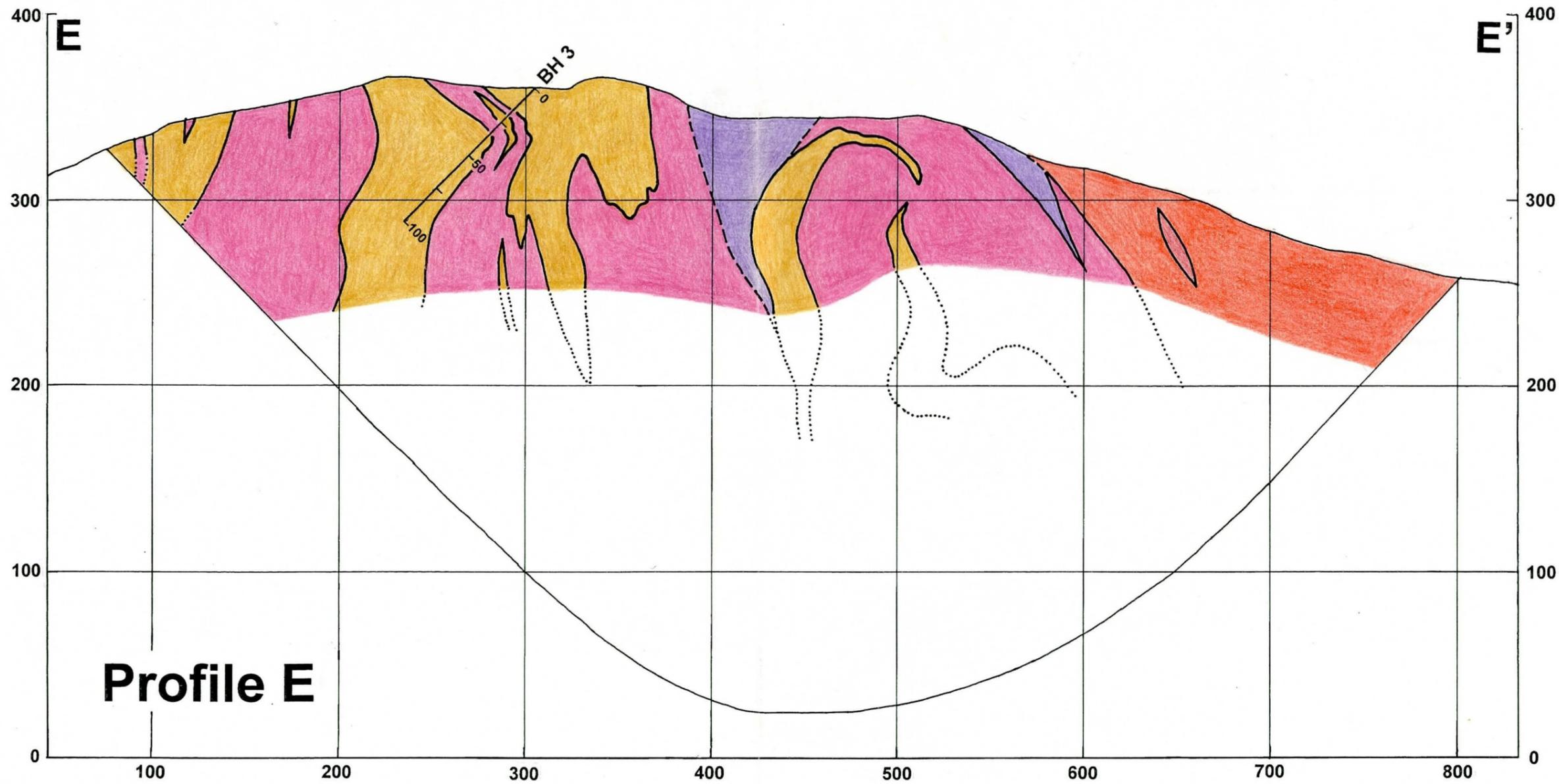
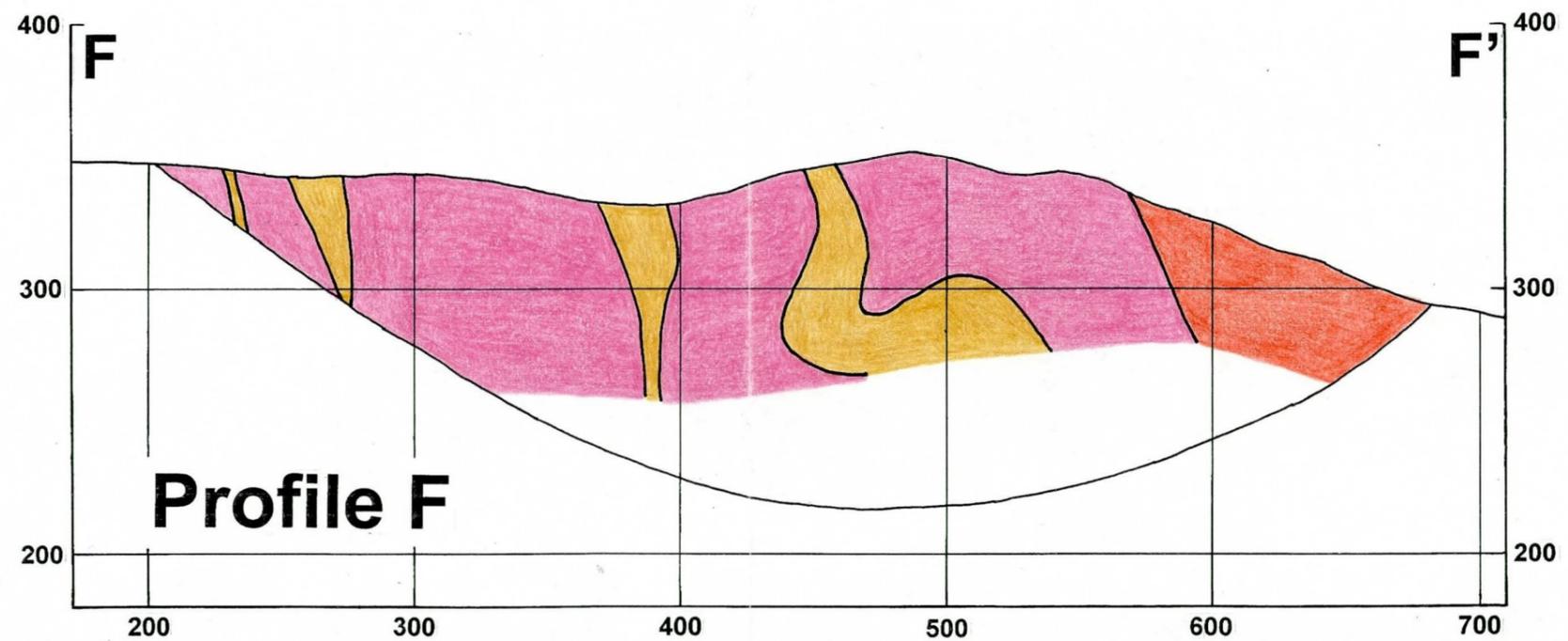


Figure 7b



Profile E



Profile F

Scale in metres

Figure 7c

Appendix A. Borehole logs BH 1, BH 2, BH 3 and BH 5

Abbreviations used in borehole logs

bi – biotite	mdgr. – medium-grained (1-5 mm)
coarsegr. – coarse-grained (>5 mm)	pegm. – pegmatitic/pegmatite
finegr. – fine-grained (<1 mm)	porph. – porphyritic
fine-mdgr. – fine medium-grained (1-2 mm)	porphbl. – porphyroblasts
fldsp – feldspar	porph.bl. – porphyroblasts
gn. – gneiss	porphyrobl. – porphyroblasts
hbl – hornblende	qz – quartz
hom. – homogeneous	qz-fldsp – quartzo-feldspatic
inhom. – inhomogeneous	recryst. – recrystallised

Codes used for classification in borehole logs

Rock

- 1 - Grey biotite gneiss
- 2 - Biotite gneiss granite
- 3 - Pegmatitic rock
- 4 - Finegr.-mediumgr. qz-fldsp rock
- 5 - Quartz vein
- 6 - Amphibolite
- 7 - Amphibolitic biotite gneiss
- 8 - Porphyritic biotite gneiss granite
- 9 - Biotite gneiss granitoid (tonalitic)

Colour (increasing content of biotite)

- 1 - White grey
- 2 - Light grey
- 3 - Grey
- 4 - Darker grey
- 5 - Dark grey
- 6 - Black, black grey

Grain size

- 1 - Finegrained (<1 mm)
- 2 - Fine-mediumgrained (1-2 mm)
- 3 - Mediumgrained (3-5 mm)

- 4 - Coarsegrained (>5 mm)

Foliation

- 1 - Not developed
- 2 - Weakly developed
- 3 - Developed
- 4 - Well-developed
- 5 - Sheared/mylonitic

Other

- 1 - Scattered porphyroblasts
- 2 - Porphyroblasts
- 3 - Rich in porphyroblasts
- 4 - Finegr.-mediumgr. qz-fldsp veins
- 5 - Pegmatitic material (irregular)
- 6 - Pegmatitic veins
- 7 - Quartz veins
- 8 - Inhomogeneous
- 9 - Stretched recrystallised porphyroblasts

AMROCK - Espevik 2002 BH 1

Logged by Mogens Marker, January 2002

From	To	Rock	Colour	Grain size	Foliation	Other	Description	Foliation related to core axis
0	178						Soil (missing core)	
178	231	1	3	1	3		Grey bi-gn., foliated finegr. Strongly surface weathered	
231	321	1	4	1	4	4	Darker grey bi-gn., well-foliated finegr., with qz-fldsp veins at 254-258, 290-293	37
321	365	1	4	1	4	3	Darker grey bi-gn., well foliated finegr., with plenty of 5-12 mm long fldsp porphyroblasts. Looks sheared	Open folding
365	461	1	4	1	4		Darker grey bi-gn., well-foliated finegr.	31
461	514	1	4	1	3		Darker grey bi-gn., foliated finegr., with 1-5 cm thick bands of finegr. dark grey bi-gn.	Folded
514	609	1	4	1	3		Darker grey bi-gn., foliated finegr. as at 365-461. Foliated grey vein at 541-549	42
609	706	1	4	1	5	8	Dark grey bi-gn., inhom. sheared? finegr. with bands of foliated finegr. grey bi-gn. Local small fldsp. porphyroblasts	47, 31
706	915	1	4	1	3		Darker grey bi-gn., foliated finegr., very uniform	21(760), c.0(860)
915	970	1	4	1	3		Darker grey bi-gn., same as above, foliated finegr. Shows open folding	Open folding
970	1036	1	4	1	5	4	Qz-fldsp vein, folded sheared finegr. white grey, in finegr. darker grey bi-gn. as at 915-970	Open folding
1036	1831	1	4	1	2		Darker grey bi-gn., uniform moderately foliated finegr. Almost no veins	36, 25(1140), Open folding, 50(1815)
1831	1942	2	2	2	2	7	Bi-gn.granite, weakly foliated inhom. fine-mdgr. light grey/grey, somewhat pegmatitic. Qz-veins at 1843-48, 1854-59	
1942	1962	5	1	3	1		Quartz vein, mdg.	
1962	2003	2	2	2	2		Bi-gn.granite, weakly foliated fine-mdgr. light grey to grey, somewhat pegmatitic	
2003	2057	1	3	1	2	4	Grey bi-gn., moderately foliated finegr., with scattered diffuse pods of lighter grey vein material	38
2057	2062	7	6			5	Blackish grey bi-rock, strongly foliated	38
2062	2142	2	2	2	2	8	Bi-gn.granite, inhom. fine-mdgr. light grey, diffuse transitions to finegr. grey bi-gn. Locally deformed pegmatitic.	
2142	2220	2	2	2	2	5	Bi-gn.granite as 2062-2142 but much more dominated by light grey pegmatitic material. Quartz vein(?) at 2182-2192	
2220	2324	1	3	2	3	1	Grey bi-gn., foliated finegr. to fine-mdgr., with scattered 2-7 mm long fldsp. porphyroblasts	32
2324	2395	7	6	1	3	7	Blackish grey amphibolitic bi-gn., finegr., with mm-cm wide small-folded qz or qz-fldsp veins with fldsp porphyroblasts	Small-folded
2395	2465	3	2	4	2		Pegmatitic material, deformed light grey	
2465	2494	7	6	1	3	7	Blackish grey amphibolitic bi-gn., finegr., with mm-cm wide small-folded qz or qz-fldsp veins with fldsp porphyroblasts	Folded
2494	2561	7	6	1	3		Blackish grey amphibolitic bi-gn., finegr., with scattered 1-2 mm wide folded qz-veins	10, open folding
2561	2600	3	2				Pegmatitic material, deformed light grey, folded with amphibolitic bi-gn. as at 2494-2561	Folded
2600	2634	7	6	1	3		Blackish grey amphibolitic bi-gn., finegr., with scattered 1-2 mm wide folded qz-veins	Small-folded
2634	2715	1	4	1	3	4	Darker grey bi-gn., finegr., with a few 1-2 cm wide diffuse more light coloured veins	Folded, 45
2715	2840	1	4	1	2		Darker grey bi-gn., weakly foliated finegr. With a joint containin 1 mm white filling	36
2840	3659	1	5	1	2		Dark grey bi-gn. (in shades with diffuse transitions), weakly foliated finegr. No veining	43(3085), 35(3260)
3659	3695	1	5	1	2	4	Dark grey bi-gn., weakly foliated finegr. as 2840-3659, but with diffuse light grey veins at 3659-3668 and 3687-3695	37
3695	3828	1	5	1	3	4	Dark grey bi-gn., finegr., with scattered mm -1 cm wide qz-fldsp veins or qz-veinlets	Open folding, 31
3828	3852	1	4	1			Darker grey (in shades) bi-gn., finegr.	
3852	3881	1	5	1	3	4	Dark grey bi-gn., finegr., with scattered mm -1 cm wide qz-fldsp veins or qz-veinlets	45
3881	4026	1	3	1	4		Grey bi-gn., well-foliated finegr. (fine-mdgr.)	45(3940) 32(3965)
4026	4033	1	5	1	3	4	Dark grey bi-gn., finegr., with scattered mm -1 cm wide qz-fldsp veins or qz-veinlets	26
4033	4116	1	3	2	4	7	Grey bi-gn., well-foliated finegr. to fine-mdgr. as at 3881-4026. Qz-vein at 4089-4092	
4116	4130	1	5	1	3	4	Dark grey bi-gn., finegr., with scattered mm -1 cm wide quartzo-feldspatic veins or qz-veinlets	Small-folded
4130	4202	1	3	2	4		Grey bi-gn., well-foliated finegr. to fine-mdgr. as at 3881-4026	37(4170), folded
4202	4262	1	3	2		8	Grey bi-gn., inhom. fine-mdgr., with plenty of light coloured pegmatitic material. Rich in 4-8 mm long fldsp porphyroblasts	Folded
4262	4273	5	1			1	Qz-vein, discordant	
4273	4295	1	3	2		5, 3	Grey bi-gn., inhom. fine-mdgr., with plenty of light coloured pegmatitic material. Rich in 4-8 mm long fldsp porphyroblasts	Folded
4295	4328	1	3	2		3, 5, 3	Grey bi-gn., foliated fine-mdgr. with diffuse pegmatitic veins (<1-3 cm wide). Locally with 2-4 mm long fldsp porphyroblasts	Open to tight
4328	4336	5	1				Qz-vein (breccia)	
4336	4418	1	3	2		3, 5, 3	Grey bi-gn., foliated fine-mdgr. with diffuse pegmatitic veins (<1-3 cm wide). Locally with 2-4 mm long fldsp porphyroblasts	Open to tight
4418	4480	1	3	2		4	Grey bi-gn., well-foliated fine-mdgr. (to finegr.?) as at 3881-4026.	45, 45
4480	4492	4	2	3			Qz-fldsp vein material, mdgr. light grey	
4492	4538	1	3	1	3		Grey bi-gn., foliated finegr. (fine-mdgr.), with 10-15 mm big qz-fldsp/fldsp spots	38

4538	4645	2	3	2	3	Bi-gn.granite/granitoid, foliated fine-mdgr. grey, somewhat diffusely flamed parallel to foliation. Joint parallel to core axis	71, 80
4645	4716	3	2	4		Pegmatitic rock, light grey, with stripes/pods of grey bi-gn.granite as at 4538-4645	
4716	4893	2	3	1	2	Grey bi-gn.(granite), moderately foliated finegr., somewhat diffusely flamed parallel to foliation	44(4738), 52(4839)
4893	4908	4	2	1	2	Quartzo-feldspatic vein, finegr., with enclaves of grey bi-gn.(granite) as at 4716-4893	50(4875)
4908	4984	1	3	1	3	1 Grey bi-gn., foliated finegr., with scattered 2-4 mm long fldsp porphyroblasts	39
4984	5091	9	3	2	3	Grey bi-gn.(granitoid?), foliated fine-mdgr. as 4716-4893, diffusely flamed parallel to foliation	44
5091	5099	1	4	1	2	7 Darker grey bi-gn., weakly foliated finegr. Qz-fldsp vein on each side of the interval	
5099	5128	9	3	2	3	Grey bi-gn.(granitoid?), foliated fine-mdgr. as 4716-4893. Diffusely flamed parallel to foliation	47
5128	5162	1	4	1	3	Darker grey bi-gn., foliated finegr.	Folded
5162	5314	9	3	2	3	4 grey bi-gn.(granitoid?), foliated fine-mdgr., somewhat diffusely flamed structure like 4716-4893, 1/2-3 cm wide qz-fldsp veins	Folded
5314	5343	9	3	2	3	4 Grey bi-gn.(granitoid?) as at 5162-5314, but rich in finegr. to mdgr. light grey qz-fldsp vein material with 2-3 mm fldsp	
5343	5374	3	1	4	3	Pegmatite, foliated whitish	31
5374	5417	1	3	1	2	7 Grey bi-gn., moderately foliated finegr. Qz-vein at 5387-5395	Folded?
5417	5511	9	3	2	3	1 Bi-gn.granitoid?, foliated fine-mdgr. grey, thin diffusely flamed parallel to foliation, a few scattered 2-3 mm fldsp grains	59
5511	5527	1	5	1		4 Dark grey bi-gn., with scattered thin light coloured veins	
5527	5617	9	3	2	3 4, 1	Bi-gn.granitoid?, foliated fine-mdgr. grey, diffusely flamed as 5417-5511, a few 1-3 mm fldsp porphbl., 5 thin qz-fldsp veins	52, 48
5617	5659	7	6		3	4 Amphibolitic bi (+hbl?) rock, foliated blackish grey, with mm -1cm wide quartzo-feldspatic veins	44
5659	5791	9	3	2	3	1 Bi-gn.granitoid, foliated fine-mdgr. grey, diffusely flamed parallel to foliation. With scattered 2-5 mm fldsp porphyroblasts	55(5686), 62(5752)
5791	5795	4	2	2		1 Light coloured vein, fine-mdgr., with 2-4 mm big fldsp porphyroblasts	
5795	5799	1	5	1		Dark grey bi-gn., finegr.	
5799	5802	1	3	2		Grey bi-gn., fine-mdgr.	
5802	5812	3	1	4	1	Pegmatite vein, qz-rich whitish grey	
5812	5817	1	3	2		Grey bi-gn., fine-mdgr.	
5817	5822	3	1	4		Pegmatitic vein, white grey	
5822	5921	1	3	2	3	1 Grey bi-gn., foliated fine-mdgr., with a few scattered 1-2 mm big fldsp porphyroblasts	53, 50
5921	5927	1	4	1	3	Darker grey bi-gn., finegr.	54
5927	5942	1	3	2	6	Grey bi-gn., fine-mdgr. as 5822-5921, with a 3 cm respectively 7 cm thick pegmatite vein in each end of interval	
5942	6000	1	3	1	2	Grey bi-gn., weakly foliated finegr. (-fine-mdgr), similar to 5822-5921.	
6000	6049	3	1		2	Pegmatite, deformed white grey, with small inclusions of fine-mdgr. grey bi-gn. as at 5822-5921	
6049	6195	9	3	2	3	Bi-gn.granitoid?, foliated fine-mdgr. grey, diffusely flamed parallel to foliation. Almost no fldsp porphyroblasts	82(6078), 70(6129)
6195	6494	9	3	2	3	1 Bi-gn.granitoid?, foliated fine-mdgr. grey as at 6049-6195, but with some scattered 2-6 mm long fldsp porphyroblasts	50(6230), 50(6335)
6494	6507	1	3	1	2	Grey bi-gn., weakly foliated finegr.	
6507	6603	9	3	2	3	Bi-gn.granitoid?, foliated fine-mdgr. grey as 6049-6195	59
6603	6619	7	6	1	3	Amphibolitic bi+hbl rock, foliated finegr. blackish grey, with thin quartz-rich veins	60
6619	6649	1	3	1	3	1 Grey bi-gn., foliated finegr., with 1 cm pegmatite vein and a few scattered 1-3 mm big fldsp porphyroblasts	59
6649	6653	7	6	1	3	Amphibolitic bi+hbl rock, foliated finegr. blackish grey, with thin quartz-rich veins as 6603-6619	
6653	6673	1	3	1	3	4 Grey bi-gn., foliated finegr. as 6619-6649, with two 1 cm thick pegmatite veins	52
6673	6682	7	6	1	3	7 Amphibolitic bi+hbl rock, blackish grey, with thin quartz-rich veins as 6603-6619	60
6682	6700	1	3	1	3	Grey bi-gn., foliated finegr. as 6619-6649	62
6700	6712	3	1		2	Pegmatitic vein, deformed white grey	
6712	6749	7	6	1	3	7 Bi-(hbl) gn., foliated finegr. blackish grey, with some 1-2 mm thick quartz-rich veins	55
6749	6813	1	3	1	3	5 Grey bi-gn., finegr., with a few 1-3 mm big spots of fldsp. White grey pegmatite at 6761-6766	
6813	6946	9	3	2	3	2 Bi-gn.granitoid?, foliated fine-mdgr. grey as 6049-6195, diffusely flamed and with 1-10 mm long fldsp porphyroblasts	47(6876), 46(6937)
6946	7011	9	3	2	3	6 Bi-gn.granitoid?, foliated fine-mdgr. grey as 6813-6946, with 2/3 (volume) 1-5 cm wide deformed pegmatitic vein	67
7011	7087	1	4	1	3	Darker grey bi-gn., foliated finegr.	51
7087	7100	1	4	1	3	4 Darker grey bi-gn., foliated finegr. as 7011-7087, but with mm-8 cm wide mdgr. light grey quartzo-feldspatic veins	
7100	7115	2	3	2	3	2 Bi-gn.granite, foliated fine-mdgr. grey as 6813-6946, but richer in 1-10 mm long fldsp porphyroblasts	57
7115	7151	1	3	1	3	4 Grey bi-gn., foliated finegr., with 3 dark grey bi-gn. bands and 4 1-2 cm wide finegr. light grey quartzo-feldsp. bands	50
7151	7161	1	3	1	3	5 Grey bi-gn. as 7115-7151, but with irregular pegmatitic material	
7161	7194	1	5	1	3	4 Dark grey bi-gn., foliated finegr., with 1/2-1 cm wide light grey veins at 7184-7194	53

7194	7225	1	3	2		5	Grey bi-gn. fine-mdgr., with plenty of deformed pegmatitic material rich in 3-10 mm big rounded fldsp grains	
7225	7232	1	5	2		4	Dark grey bi-gn., fine-mdgr., with diffuse light grey quartzo-feldspatic material	
7232	7235	3	1	4	1		Pegmatite, white grey parrallel to foliation	
7235	7260	2	2	1	4	1	Light grey bi-gn.(granite?), well-foliated finegr., diffusely flamed parrallel to foliation, scattered 2-10mm long fldsp porphbl.	55(7250)
7260	7265	6	5	2			amphibolitic' bi+hbl rock, fine-mdgr. dark grey	
7265	7276	2	2	1	4	1	Light grey bi-gn.(granite?), well-foliated finegr., diffusely flamed parrallel to foliation, scattered 2-10mm long fldsp porphbl.	
7276	7281	6	5	2			amphibolitic' bi+hbl rock, fine-mdgr. dark grey	
7281	7361	2	2	1	4	1	Light grey bi-gn.(granite?), well-foliated finegr., diffusely flamed parrallel to foliation, scattered 2-10mm long fldsp porphbl.	
7361	7367	6	5	2			amphibolitic' bi+hbl rock, fine-mdgr. dark grey	
7367	7387	2	2	1	4	1	Light grey bi-gn.(granite?), well-foliated finegr., diffusely flamed parrallel to foliation, scattered 2-10mm long fldsp porphbl.	
7387	7442	1	5	2	3		Dark grey bi-gn., foliated finegr. to fine-mdgr.	42
7442	7460	1	2	1	4		Light grey bi-gn., well-foliated finegr.	53
7460	7484	1	5	2	3		Dark grey bi-gn., foliated finegr. to fine-mdgr. as 7387-7442	44
7484	7497	1	2	1	4		Light grey bi-gn., well-foliated finegr. as 7235-7387	
7497	7506	1	5	2	3		Dark grey bi-gn., foliated finegr. to fine-mdgr. as 7387-7442	
7506	7515	3	1	4	1		Pegmatite, white grey	
7515	7558	1	2	1	4	4	Light grey bi-gn., well-foliated finegr. as 7235-7387 (flamed). Fine-mdgr. leucocratic bands at 7581-7584, 7589-7594.	54
7558	7560	7	6				Dark bi-rich rock	
7560	7603	1	2	1	4	4	Light grey bi-gn., well-foliated finegr. as 7235-7387 (flamed). Fine-mdgr. leucocratic bands at 7581-7584, 7589-7594.	
7603	7610	1	3	1	3		Grey bi-gn., foliated finegr.	
7610	7666	1	5	2	3	4	Dark grey bi-gn., foliated uniform finely striped fine-mdgr., with light coloured anatectic veins at 7644-46, 7656-58	46
7666	7679	3	1	4			Pegmatite, white grey	
7679	7697	1	5	2	3		Dark grey bi-gn., foliated uniform finely striped fine-mdgr. as 7610-7666	
7697	7723	1	2	1	4		Light grey bi-gn., well-foliated finegr. as 7515-7603. (flamed)	53
7723	7763	1	5	2	4		Dark grey bi-gn., well-foliated finegr. to fine-mdgr., with 2-20 mm wide bands of finegr. light grey bi-gn.	53
7763	7779	1	5	2	4	4	Dark grey bi-gn., well-foliated finegr. to fine-mdgr. as 7723-7763, with many 1-2 cm wide mdgr. pegmatitic bands	
7779	7848	1	5	2	4	4	Dark grey bi-gn., well-foliated finegr. to fine-mdgr. as 7723-7763, with light grey bi-gn. bands and a few anatectic veins	49
7848	7867	7	6	1	4		Blackish grey bi-gn., well-foliated (sheared) finegr. with mm-thin light grey veinlets	60
7867	7887	1	3	1	3		Grey bi-gn., foliated finegr.	59
7887	7893	3	1				Pegmatite, whitish grey with inclusions of foliated finegr. grey bi-gn. as 7867-7887	
7893	7909	3	1				Pegmatite, whitish grey intruding foliated finegr. grey bi-gn. as at 7867-7887	
7909	7982	1	5	1	4	4	Dark grey bi-gn., well-foliated finegr., with fine-mdgr. striped light grey quartzo-feldspatic vein at 7965-7967	54
7982	7988	4	1	3			Qz-fldsp rock, as band, white grey mdgr.	
7988	8100	1	5	2	3	4	Dark grey bi-gn., foliated fine-mdgr. Light grey pegmatitic (anatectic) veins at 8000-8003, 8011-8011	54
8100	8160	1	5	2	4	4	Dark grey bi-gn., well-foliated striped fine-mdgr. Anatectic veins at 8102-8104, 8111, 8132, 8138-8139, 8151	53
8160	8186	3	1	4	1		Pegmatite, white grey	
8186	8211	1	5	1	4		Dark grey bi-gn., well-foliated finegr. with scatterd mm-thick whitish veinlets	44
8211	8219	3	1				Pegmatitic rock, whitish grey. Two bands separated by 1 cm dark grey gn.	
8219	8249	1	5	1	3	4	Dark grey bi-gn., foliated striped finegr. with fine-mdgr. whitish grey vein at 8235-8236	45
8249	8252	1	5		5	4	Dark grey bi-gn., strongly sheared with strongly sheared qz-fldsp material	46
8252	8353	1	5	1	3	4	Dark grey bi-gn., foliated striped as 8100-8160. Whitish grey anatectic veins: 8121-8126 (3x1 cm), 8137 (1/2 cm)	50
8353	8369	7	6	1	3		Amphibolitic bi-(+hbl?) rock, foliated finegr. blackish grey	47
8369	8425	1	5	2	3	4	Dark grey bi-gn., foliated striped as 8252-8353, with mdgr. light grey pegm./anatectic veins at 8369-8371, 8393-8396	49
8425	8440	7	6	1	5		Blackish grey rock, well-foliated (sheared) finegr., <1 mm light grey veinlets. Folded with dark grey bi-gn. as 8252-8353	
8440	8496	1	5	2	3	4	Dark grey bi-gn., foliated striped fine-mdgr. as 8252-8353. 1 cm wide pegmatitic/anatectic veins at 8455, 8461, 8488	49, fold (low. part)
8496	8514	1	5		5	2	Dark grey gneiss, inhom. foliated to mylonitic, with light coloured veinlets / small fldsp porphyroblasts	
8514	8519	6	6				Blackish bi-amphibolite	
8519	8523	1	5		5	2	Dark grey gneiss, Inhom. foliated to mylonitic, with light coloured veinlets / small fldsp porphyroblasts as 8496-8514	
8523	8555	1	4	1	3	4	Light grey vein (ca. 8 cm wide), fine-mdgr., folded with darker grey gn. as at 8496-8514	Tightly folded
8555	8557	7	6	1	4		Blackish bi-rich rock, well-foliated (sheared?) finegr. as 7848-7867	

8557	8582	1	3	1	2		Grey bi-gn., weakly foliated finegr.	
8582	8629	1	5	2	3	4	Dark grey bi-gn., foliated striped fine-mdgr. White grey fine-mdgr. anatectic vein at 8608-8609	45
8629	8636	3	1	3	2		Pegmatitic vein, mdgr. whitish grey. Deformed with dark rims (anatectic)	
8636	8644	1	5	2	3		Dark grey bi-gn., foliated striped fine-mdgr. as 8582-8629	49
8644	8707	1	3	1	3	4	Grey bi-gn., foliated uniform finegr. White grey fine-mdgr. anatectic veins at 8652-8658(fold), 8674-8675, 8679-8680	46, folded?
8707	8748	3	2				Pegmatite, deformed light grey with a few 1/2 cm wide fishes of dark grey bi-gn.	
8748	8790	1	5	1	3	4	Dark grey bi-gn., foliated striped finegr. as 8100-8160. With fine-mdgr. anatectic veins at 8748-49, 8751, 8752, 8780-81	64
8790	8800	1	3	1			Grey bi-gn., finegr.	
8800	8808	9	3	2	3		Bi-gn.granitoid?, foliated fine-mdgr. grey, diffusely flamed parrallel to foliation.	63
8808	8813	1	3	1			Grey bi-gn., finegr.	
8813	8820	9	3	2	3		Bi-gn.granitoid?, foliated fine-mdgr. grey, diffusely flamed parrallel to foliation.	
8820	8825	1	3	1			Grey bi-gn., finegr.	
8825	8829	3	3		2		Pegmatitic material, deformed whitish grey	
8829	8851	9	3	2	3		Bi-gn.granitoid?, foliated fine-mdgr. grey, diffusely flamed parrallel to foliation.	64
8851	8854	7	6	1	5		Blackish grey bi-rock, sheared finegr.	
8854	8870	1	5	1	3		Dark grey bi-gn., foliated finegr., with a few 1-2 mm big fldsp porphyroblasts	
8870	8880	6	6	1	6		Bi-amphibolitic rock, finegr. blackish grey, with 1 cm wide pegmatitic vein	
8880	9000	9	3	2	3		Grey bi-gn.(granitoid?), foliated fine-mdgr., with variably developed diffusely flamed structure. Scattered 2-4mm fldsp porphbl.	
9000	9071	1	3	1	3	1	Grey bi-gn., foliated finegr., with scattered 1-3 mm big fldsp porphyroblasts	68
9071	9072	4	2	1	4		Qz-fldsp vein, well-foliated sheared finegr. light grey	80
9072	9075	1	3	1	3	2	Grey bi-gn., foliated finegr., with 1-2 mm big fldsp porphyroblasts	
9075	9076	4	2	1	4		Qz-fldsp vein, well-foliated sheared finegr. light grey	
9076	9094	1	3	1	4		Grey bi-gn., well-foliated finegr.	77
9094	9120	9	3	2	4	9	Bi-gn.granitoid, well-foliated fine-mdgr. grey, with a flamed-spotted structure of 2-5 mm long recryst. fldsp porphyroblasts	76
9120	9128	3	1	4			Pegmatite, coarsegr. white grey	
9128	9133	9	3	2	3	9	Bi-gn.granitoid, foliated fine-mdgr. grey, with a flamed-spotted structure of 2-5 mm long recryst. fldsp porphyroblasts	
9133	9135	3	2	4			Pegmatitic vein, mdgr.-coarsegr. light grey	
9135	9156	9	3	2	3	9	Bi-gn.granitoid, foliated fine-mdgr. grey, with a flamed-spotted structure of 2-5 mm long recryst. fldsp porphyroblasts	81
9156	9157	3	2	4			Pegmatitic vein, mdgr.-coarsegr. light grey	
9157	9166	9	3	2	3	9	Bi-gn.granitoid, foliated fine-mdgr. grey, with a flamed-spotted structure of 2-5 mm long recryst. fldsp porphyroblasts	
9166	9177	4	1	2	3		Qz-fldsp rock (deformed pegmatite?), foliated fine-mdgr. to mdgr. whitish grey	
9177	9216	1	3	1	3	4	Grey bi-gn., foliated finegr., with scattered 2-3 mm wide qz-fldsp veins	65
9216	9218	4	1	3			Qz-fldsp vein, mdgr. whitish grey (anatectic)	
9218	9224	1	3	1	3		Grey bi-gn., foliated finegr. as 9177-9216	
9224	9227	4	1	3			Qz-fldsp vein, mdgr. whitish grey (anatectic), with a 5 mm wide grey bi-gn. layer	
9227	9231	1	3	1	3		Grey bi-gn., foliated finegr. as 9177-9216	
9231	9234	4	1	3	2		Qz-fldsp rock (deformed pegmatite?), foliated fine-mdgr. to mdgr. whitish grey	
9234	9245	1	3	1	3	4	Grey bi-gn., foliated finegr. as 9177-9216, with a 7 mm thick qz-fldsp vein at 9236	
9245	9316	9	3	2	5	9	Bi-gn.(granitoid), well-foliated fine-mdgr. grey, with flamed-striped texture of sheared recrystallised fldsp porphyroblasts	71
9316	9328	1	4	1	3		Grey to darker grey bi-gn., foliated finegr.	69
9328	9335	9	3	2	3	9	Bi-gn.(granitoid), foliated fine-mdgr. grey, with flamed-striped texture of sheared recrystallised fldsp porphyroblasts	
9335	9377	1	2	1	3	4	Light grey bi-gn., foliated finegr., with scattered 5-10 mm wide qz-fldsp veins (anatectic)	66
9377	9388	4	2	2	2		Qz-fldsp vein, deformed fine-mdgr. light grey, diffusely spotted with finegr. bi	
9388	9419	1	3	1	3		Grey bi-gn., foliated finegr.	
9419	9422	4	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey	57
9422	9442	1	3	1	3		Grey bi-gn., foliated finegr.	
9442	9500	4	2	3	2		Qz-fldsp rock (deformed pegmatite?), weakly foliated fine-mdgr.to mdgr. light grey, with fold core of grey bi-gn at 9456-62	
9500	9553	1	3	1	3	6	Grey bi-gn., foliated finegr., with a 2 cm wide folded discordant pegmatitic vein	30, 9
9553	9577	4	2	2	2		Qz-fldsp rock, deformed fine-mdgr. light grey, diffusely spotted with finegr. bi as 9377-9388 (deformed qz-fldsp granite?)	
9577	9598	1	3	1	3		Grey bi-gn., foliated finegr.	28

9598	9616	1	3	1	3	6	Grey bi-gn., foliated finegr., with deformed 3 cm wide discordant whitish grey pegmatitic vein (50%)	
9616	9684	1	3	1	3		Grey bi-gn., foliated finegr.	25
9684	9705	1	2	2	2		Bi-gn.(granite?), moderately foliated fine-mdgr. light grey, spotted (recrystallised fldsp porphyroblasts?)	35
9705	9800	1	3	1	3	4	Grey bi-gn., (rather well) foliated finegr., with discordant fine-mdgr. light grey qz-fldsp rock at 9717-9725	33
9800	9833	1	3	1	3	6	Grey bi-gn., foliated finegr., with several 1-2 cm wide discordant pegmatitic veins	38
9833	9845	3	1	4			Pegmatitic material, mdgr-coarsegr. white grey, with fishes of grey bi-gn.	
9845	9859	4	2	2	2		Qz-fldsp material, weakly foliated fine-mdgr. white grey, (light grey bi-gn.granitoid?)	
9859	9881	4	2	2	2		Qz-fldsp rock, fine-mdgr. light grey, diffusely spotted with finegr. bi as 9553-9577 (recryst. fldsp porph.bl.-rich granitoid?)	
9881	9902	3	1	4	2		Pegmatitic material, deformed mdgr-coarsegr. whitish grey, with spots of grey bi-gn.	
9902	9995	2	2	2	2		Qz-fldsp rich bi-gn.granitoid?, moderately foliated fine-mdgr. light grey, diffuse schlieren/spots with finegr. bi as 9553-77	66
9995	10006	3	1	4			Pegmatite, coarsegr. whitish grey	
10006	10040	2	2	2	2		Qz-fldsp rich bi-gn.granitoid?, moderately foliated fine-mdgr. light grey, diffuse schlieren/spots with finegr. bi as 9553-77	
10040	10055	3	1	3	2		Pegmatitic material, deformed mdgr.	
10055	10083	2	2	2	2		Qz-fldsp rich bi-gn.granitoid?, moderately foliated fine-mdgr. light grey, diffuse schlieren/spots with finegr. bi as 9553-77	
10083	10123	2	2	2	2	5	Qz-fldsp rich bi-gn.granitoid?, with diffuse schlieren/spots with finegr. bi as 9553-77, with plenty of pegmatitic material	
10123	10178	2	2	2	2		Qz-fldsp rich bi-gn.granitoid?, inhom. moderately foliated fine-mdgr. light grey, diffuse schlieren/spots with bi as 9902-95	
10178	10186	4	2	2	3		Qz-fldsp material, foliated fine-mdgr. light grey	85
10186	10276	2	2	2	3		Bi-gn.(granite), foliated fine-mdgr. light grey. With plenty of 1 mm wide dark grey joints	54, 49
10276	10323	3	1				Pegmatitic rock, deformed whitish grey. Jointed as at 10186-10276	
10323	10331	7	6	1	5	5	Blackish grey bi-rich rock, mylonitic well-foliated finegr., with qz-vein at 10325-10328	38, tightly small-folded
10331	10367	4	2	1	5		Qz-fldsp rock, well-foliated to mylonitic finegr. light grey, with 5-10 mm wide layers of bi-rich mylonitic rock as 10323-31	37, 42
10367	10483	7	6	1	5	4	Blackish grey bi-rich rock, mylonitic well-foliated finegr., with scattered qz-fldsp veinlets	51(10424), 53(10475)
10483	10497	7	5	1	3	4	Dark grey bi-rich rock, foliated finegr., with diffuse qz-fldsp material	
10497	10512	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. lighter grey, with 2-5 mm long recrystallised fldsp porphyroblasts	49
10512	10526	1	3	1	3		Grey bi-gn.(granitoid), foliated finegr. diffusely striped	
10526	10527	4	1	1	3		Qz-fldsp vein, foliated finegr. whitish grey	
10527	10535	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. lighter grey, with 2-5mm long recryst. fldsp porphyroblasts as 10497-10512	38
10535	10537	4	1	1	3		Qz-fldsp vein, foliated finegr. whitish grey	
10537	10681	1	3	1	3		Grey bi-gn., foliated finegr., locally somewhat diffusely lighter grey spotted	33(10579), 39(10620)
10681	10706	9	3	2	3	9	Bi-gn.granitoid, foliated fine-mdgr. lighter grey, with c.1 cm long recryst. fldsp porphyroblasts	26
10706	10713	1	3	1	3		Grey bi-gn., foliated finegr., locally somewhat diffusely lighter grey spotted as 10537-10681	
10713	10724	2	2	2	2		Qz-fldsp rich bi-gn.granitoid?, moderately foliated fine-mdgr. light grey as 9902-9995	
10724	10754	9	3	2	3	9	Bi-gn.granitoid, foliated fine-mdgr. lighter grey, with c.1 cm long recryst. fldsp porphyroblasts as 10681-10706	30
10754	10764	4	2	3	3		Qz-fldsp material, weakly foliated mdgr. light grey	
10764	10789	1	3	1	3		Grey bi-gn., inhom. foliated finegr.	38
10789	10797	4	2	3	2		Qz-fldsp material, weakly foliated mdgr. light grey	
10797	10810	1	3	2	2		Grey to light grey bi-gn., inhom. weakly foliated fine-mdgr.	
10810	10813	3	1	3	2		Pegmatitic vein, deformed mdgr. whitish grey	
10813	10825	1	3	2	2		Grey to light grey bi-gn., inhom. weakly foliated fine-mdgr. as 10797-10810	
10825	10855	4	1	4	2		Qz-fldsp material, weakly foliated mdgr.-coarsegr. whitish grey	
10855	10923	1	3	1	3		Grey bi-gn., inhom. foliated finegr., somewhat diffusely spotted with bi-stripes (a little granitoid-like?)	46, 43
10923	10925	4	1	1	2		Qz-fldsp vein, deformed (weakly foliated) finegr. whitish grey	
10925	10933	1	3	1	3		Grey bi-gn., inhom. foliated finegr., somewhat diffusely spotted with bi-stripes (a little granitoid-like?)	
10933	10937	4	1	1	2		Qz-fldsp vein, deformed (weakly foliated) finegr. whitish grey	
10937	10940	1	3	1	3		Grey bi-gn., inhom. foliated finegr., somewhat diffusely spotted with bi-stripes (a little granitoid-like?)	43
10940	10964	4	2	1	2		Qz-fldsp material, deformed finegr. light grey, with inclusions of grey bi-gn.	
10964	10993	6	6	1	3		Bi-rich amphibolite, foliated finegr. blackish	34
10993	11045	9	3	2	3		Bi-gn.granitoid, homogeneous striped foliated fine-mdgr. lighter grey, with bi (+hbl) in diffuse stripes	33
11045	11066	6	6	1	2		Bi-amphibolite, moderately foliated finegr. blackish	
11066	11075	3	1	3			Pegmatitic material, mdgr. whitish grey, 2-3 cm wide vein	

11075	11090	6	6	1	3	Bi-amphibolite, foliated finegr. blackish	42
11090	11326	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in diffuse stripes	27(11121), 35(11232), 37(11311)
11326	11328	3	2	4		Pegmatitic vein, mdgr.-coarsegr. light grey	
11328	11432	9	3	2	3	9 Bi-gn.granitoid, striped foliated fine-mdgr. lighter grey as 11090-11326, with local 3-7mm big recryst. fldsp porphyroblasts	36(11363), 34(11414)
11432	11486	4	1	1	3	Qz-fldsp rock, foliated finegr. whitish grey	33
11486	11512	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in stripes as 11090-11326	okt.33
11512	11527	6	6	1	3	Bi-amphibolite, foliated finegr. dark grey	39
11527	11530	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in stripes as 11090-11326	
11530	11656	1	5	1	3	Dark grey hbl-bi-gn., homogeneous foliated finegr.	37(11553), 34(11650)
11656	11693	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in stripes as 11090-11326	24
11693	11697	1	5	1	3	Dark grey hbl-bi-gn., homogeneous foliated finegr. as 11530-11656	28
11697	11956	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in stripes as 11090-11326	29(11735), 35(11860), 37(11930)
11956	12020	1	3	1	2	Grey to lighter grey bi-gn., inhom. moderately foliated finegr., with gradual transition to granitoid as 11697-11956	
12020	12082	1	2	2	3	Lighter grey bi-gn.(granitoid?), foliated fine-mdgr., rather diffusely striped	Folded, 22
12082	12424	1	4	2	3	Darker grey hbl-bi-gn., homogeneous foliated fine-mdgr., darkly spotted with dispersed 1-2 mm big hbl spots	35(12165), 39(12238), 34(12372)
12424	12434	7	6	1	3	4 Amphibolitic rock, foliated finegr. blackish, with many qz-fldsp veinlets	44
12434	12600	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in stripes as 11090-11326	41(12477), 34(12587)
12600	12940	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? foliated fine-mdgr. lighter grey, with bi (+hbl) in stripes as 11090-11326	37(12620), 29(12738), 34(12845)
12940	13118	9	3	2	3	Bi-gn.granitoid, hom. striped recryst. porphyritic? with bi (+hbl) in stripes as 11090-11326, but finegr. and better foliated	
13118	13140	1	5	1	3	4 Dark grey hbl-bi-gn., inhom. foliated finegr., with plenty of light grey veins	
13140	13215	1	5	2	3	4 Dark to darker grey hbl-bi-gn., hom.foliated fine-mdgr. with 1-2mm hbl spots as 12082-12424. A few 3-4mm qz-flsp veins	46
13215	13216	7	6	1	3	4 Blackish bi-rock, foliated finegr., with qz-fldsp vein along joint normal to foliation	
13216	13417	1	5	2	3	4 Dark to darker grey hbl-bi-gn., hom.foliated fine-mdgr. with 1-2 mm hbl spots as 13140-215. With a few thin qz-flsp veins	52(13262), 47(13350)
13417	13419	7	6	1	3	Blackish bi-rich rock, foliated finegr., discordant to the foliation (along fault?)	
13419	13485	1	5	2	3	4 Dark to darker grey hbl-bi-gn., hom.foliated fine-mdgr. with 1-2 mm hbl spots as 13140-215. With a few thin qz-flsp veins	44
13485	13486	7	6	1	3	Blackish bi-rich rock, foliated finegr., discordant to the foliation (along fault?)	
13486	13585	1	5	1	3	4 Dark grey hbl-bi-gn., hom.foliated finegr. with 1-2 mm hbl spots as 13140-215. Also with a few 5 mm thick qz-flsp veins	45
13585	13632	1	5	1	3	4 Dark grey (amphibolitic) hbl-bi-gn., foliated finegr., with plenty of 1-10 mm wide qz-flsp veins	13
13632	13718	9	3	2	3	Bi-gn.granitoid, hom. striped foliated fine-mdgr. lighter grey as 11090-11326, with some hbl in diffuse dark bi(+hbl) stripes	17-32
13718	13745	3	1	4	2	Pegmatite, deformed mdgr.-coarsegr. white grey	
13745	13897	2	2	1	2	9 Bi-gn.granite(?), moderately foliated finegr. light grey, diffusely spotted by 5-10mm big recrystallised fldsp porphyroblasts	34(13832)
13897	13898	4	1	3		Qz-fldsp vein, mdgr. whitish grey. Discordant	
13898	13955	2	2	1	2	9 Bi-gn.granite(?), moderately foliated finegr. light grey, diffusely spotted by 5-10mm big recrystallised fldsp porphyroblasts	24(13915)
13955	13968	4	1	2	2	Qz-fldsp vein, fine-mdgr. whitish grey, with 3-10 mm big fldsp porphyroblasts	
13968	13979	2	2	1	2	9 Bi-gn.granite(?), moderately foliated finegr. light grey, diffusely spotted by 5-10mm big recrystallised fldsp porphyroblasts	27
13979	14279	9	3	2	2	Bi-gn.granitoid as 13632-13718, diffusely striped moderately foliated fine-mdgr. lighter grey, with bi+hbl(?) in dark stripes	46(14027), 40(14190), 39(14237)
14279	14290	4	1	2		Qz-fldsp vein, fine-mdgr. white grey	26(14345), 16(14386), 7
14290	14440	9	3	2	2	Bi-gn.granitoid as 13979-14279, diffusely striped moderately foliated fine-mdgr. lighter grey, with bi+hbl(?) in dark stripes	9(14465), 37(14534)
14440	14545	9	2	2	2	Bi-gn.granitoid as 14290-14440, but lighter coloured (= light grey)	
14545	14898	9	3	2	2	Bi-gn.granitoid as 13979-14279, diffusely striped moderately foliated fine-mdgr. lighter grey, with bi+hbl(?) in dark stripes	33(14578), 28(14646), 26(14831)
14898	14936	9	3	2	2	Bi-gn.granitoid as 13979-14279, fine-mdgr. lighter grey, with folded bands (gradual transition) of finegr. mylonitic granitoid	Folded
14936	14962	9	3	2	3	Bi-gn.granitoid as 13979-14279, diffusely striped foliated fine-mdgr. lighter grey, with bi+hbl(?) in dark stripes	28
14962	14988	1	3	1	5	2 Grey bi-gn.(granitoid), mylonitic well-foliated finegr., with 1-3 mm big fldsp porphyroblasts	43
14988	15018	2	2	1	2	9 Bi-gn.granite(?), moderately foliated finegr. light grey, diffusely spotted by recrystallised fldsp porphyroblasts	
15018	15063	1	3	2	5	Grey bi-gn.(granitoid?), sheared well-foliated fine-mdgr. Variably sheared to mylonitic with finegr. mylonitic bands	41
15063	15074	4	1	2	5	Qz-fldsp material, well-foliated sheared porphyroblastic fine-mdgr. white grey, with stripes of dark grey amphibolitic bi-gn.	45
15074	15175	6	6	2	3	4 Amphibolite, foliated fine-mdgr. blackish grey, with plenty of 1-3 mm wide qz-flsp bands	36
15175	15400	9	3	2	4	Bi-gn.granitoid, striped to small-striped well-foliated (locally sheared) fine-mdgr. lighter grey, similar to 13979-14279	40(15260), 35(15350)
15400	15578	9	3	1	5	Bi-gn.granitoid, small-striped well-foliated (sheared) finegr. lighter grey, with bi-gn.granitoid texture preserved locally	39(15471), 42(15536)
15578	15600	8	3	2	9	9 Porphyritic bi-gn.granite, moderately foliated fine-mdgr. grey, with diffuse 2-5 mm big partly recryst. fldsp porphyroblasts	

15600	15675	6	6	1	3		Bi-amphibolite, foliated finegr. blackish grey	45
15675	15704	1	4	1	3	2	Darker grey bi-gn., foliated finegr., with a few 1-3 mm big fldsp porphyroblasts	43
15704	15741	9	3	2	2	3	Porphyritic bi-gn.granitoid, moderately foliated fine-mdgr. grey as 15578-15600, rich in 2-6 mm big fldsp porphyroblasts	
15741	15747	1	3	1	4		Grey bi-gn., well-foliated finegr.	46
15747	15757	9	3	2	2	2, 4	Porphyritic bi-gn.granitoid, as 15704-15741 with 1-4 mm big fldsp porphyroblasts. With 5 mm thick qz-fldsp veins	
15757	15795	1	3	1	4		Grey bi-gn., well-foliated finegr.	40
15795	15828	1	3	1	2	2	Grey (rather dark) bi-gn.(granite?), moderately foliated finegr., with 1-3 mm big fldsp porphyroblasts	
15828	15876	9	3	1	5		Bi-gn.granitoid, small-striped well-foliated (sheared) finegr. grey as 15400-15876. Bi-gn.granitoid texture preserved locally	48
15876	15878	4	1	3	2		Qz-fldsp vein, deformed mdgr. whitish grey	
15878	15898	9	3	1	5		Bi-gn.granitoid, small-striped well-foliated (sheared) finegr. grey as 15828-15876. Bi-gn.granitoid texture preserved locally	50
15898	15901	5					Qz-vein, cross-cutting sheared bi-gn.granitoid as 15878-15898.	
15901	15928	1	3	1	4		Grey bi-gn., well-foliated finegr.	49
15928	15931	1	3	1	4	4	Grey bi-gn., well-foliated finegr. as 15901-15928, with much qz-fldsp material	
15931	15939	1	3	1	4		Grey bi-gn., well-foliated sheared finegr.	52
15939	15959	1	3	1	3	2	Grey bi-gn., foliated finegr., with 1-3 mm big fldsp porphyroblasts	
15959	15987	1	3	1	5		Grey bi-gn.(granitoid??), sheared well-foliated finegr.	46
15987	15991	8	3	2	2	2	Porphyritic bi-gn.granite, moderately foliated fine-mdgr. grey, with diffuse 2-5 mm big partly recryst. fldsp porphyroblasts	
15991	16000	1	3	1	4		Grey bi-gn.(granitoid??), well-foliated finegr. as 15959-15987	47
16000	16062	9	3	2	2		Bi-gn.granitoid as 13979-14279, diffusely striped moderately foliated fine-mdgr. lighter grey, with bi+hbl(?) in dark stripes	54
16062	16139	1	3	1	4	1, 4	Grey bi-gn., well-foliated finegr., with a few fldsp porphyroblasts and scattered thin qz-fldsp veins	53
16139	16141	4	2	2		2	Qz-fldsp band, fine-mdgr. light grey porphyroblastic	
16141	16144	1	3	1	4	1, 4	Grey bi-gn., well-foliated finegr., with a few fldsp porphyroblasts and scattered thin qz-fldsp veins as 16062-16139	48
16144	16147	4	2	2		2	Qz-fldsp band, fine-mdgr. light grey porphyroblastic	
16147	16149	1	3	1	4	1, 4	Grey bi-gn., well-foliated finegr., with a few fldsp porphyroblasts and scattered thin qz-fldsp veins as 16062-16139	71
16149	16200	1	3	2	3	2, 8	Grey bi-gn., inhom. foliated fine-mdgr. rather dark grey, variable shearing, with 2-4mm big partly recryst. fldsp porphyrobl.	46
16200	16232	1	3	2	5	1, 4, 8	Grey bi-gn., inhom. well-foliated mylonitic fine-mdgr., with a few fldsp porphyroblasts and scattered thin qz-fldsp veins	54
16232	16234	5					Qz-vein	
16234	16235	1	3	1	3		Grey bi-gn., foliated finegr.	
16235	16249	6	6	1	4		Amphibolite, well-foliated finegr. blackish, with scattered qz-fsp veinlets	60
16249	16269	1	3	2	4	1, 4	Grey bi-gn., well-foliated fine-mdgr., with sheared qz-fldsp veins and scattered 1-3 mm big fldsp porphyroblasts	63
16269	16271	5					Qz-vein	
16271	16279	1	3	2	4	1, 4	Grey bi-gn., well-foliated fine-mdgr. as 16249-16269, with two irregular qz-fldsp veins	
16279	16282	4	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey	
16282	16318	1	3	2	4	1, 4	Grey bi-gn., well-foliated sheared fine-mdgr. as 16249-16269	54
16318	16335	4	2	1	4		Qz-fldsp rock, well-foliated finegr. light grey, with 2-6 mm thick bands of grey bi-gn.	
16335	16341	4	1	3			Qz-fldsp rock, mdgr. whitish grey	
16341	16492	1	3	1	3	4	Grey bi-gn., foliated finegr., with scattered diffuse pods of mdgr. qz-fldsp material	45(16370), 51(16450)
16492	16493	4	2	3			Qz-fldsp vein, mdgr. light grey, with dark rims (anatectic)	
16493	16498	1	3	1	3	4	Grey bi-gn., foliated finegr., with scattered diffuse pods of mdgr. qz-fldsp material	
16498	16540	1	3	1	3	4	Grey bi-gn., foliated finegr. (1/3) with plenty of 1-6 cm wide mdgr. light grey qz-fldsp veins (2/3)	58
16540	16555	1	3	1	3	4	Grey bi-gn., foliated finegr., with two 3 mm wide qz-fldsp bands	62
16555	16558	4	1	3			Qz-fldsp vein, mdgr. whitish grey, with dark rims (anatectic)	
16558	16566	1	3	1	3		Grey bi-gn., foliated finegr. as 16341-16492. No veins	
16566	16567	1	3	1	5		Grey bi-gn., strongly sheared well-foliated finegr.	62
16567	16573	1	3	1	3		Grey bi-gn., foliated finegr. as 16341-16492. No veins	
16573	16713	9	3	2	3		Bi-gn.granitoid, diffusely striped foliated fine-mdgr. grey, with 5-10 mm long diffuse dark stripes of bi (+hbl?)	63(16585), 61(16650)
16713	16719	4	1	3			Qz-fldsp vein, qz-rich mdgr. whitish grey	
16719	16727	1	3	1	3	4	Grey bi-gn., foliated finegr., with much qz-fldsp vein material	
16727	16734	9	3	2	3		Bi-gn.granitoid, diffusely striped foliated fine-mdgr. grey, with 5-10 mm long diffuse dark stripes of bi (+hbl?)	55
16734	16752	1	3	1	3	4	Grey bi-gn., foliated finegr., with 1 cm wide qz-fldsp veins at 16737, 16739, 16745	61

16752	16810	9	3	2	3	Bi-gn.granitoid, diffusely striped foliated fine-mdgr. rather pale grey, with paler quartzo-feldspatic parts	60
16810	16812	4	1	3		Qz-fldsp vein, mdgr. whitish grey	
16812	16911	1	3	2	3	Grey (rather pale) bi-gn.(granitoid?), diffusely striped foliated fine-mdgr., with paler quartzo-feldspatic parts	66
16911	16920	5				Qz-vein	
16920	17023	1	3	2	3	4 Grey (rather pale) bi-gn.(granitoid?), diffusely striped foliated fine-mdgr., with pale qz-fldsp veins as 16812-16911	67
17023	17043	1	3	1	3	Grey bi-gn., foliated finegr.	59
17043	17059	1	3	1	5	Grey bi-gn., well-foliated sheared finegr.	40
17059	17145	1	3, 2	1	3	Grey bi-gn., foliated finegr., with diffuse paler grey more quartzo-feldspatic layers	62
17145	17179	1	2	1	3	Light grey bi-gn., foliated finegr., with diffuse whitish grey fine-mdgr. quartzo-feldspatic parts	
17179	17194	1	3, 2	2	3	9 Grey bi-gn.(granitoid?), striped foliated fine-mdgr., with diffuse 1-2 cm long recryst. fldsp porphyroblasts	61
17194	17234	1	3	1	3	4 Grey bi-gn., foliated finegr., with plenty (50%) of 1-3 cm wide qz-fldsp veins	65
17234	17243	3	1	4	2	Pegmatite, deformed mdgr.-coarsegr. whitish grey	
17243	17306	1	3	1	3	8 Grey bi-gn., inhom. foliated finegr., with transition to more quartzo-feldspatic light grey levels	68
17306	17309	4	1	2		Qz-fldsp vein, fine-mdgr. whitish grey (anatectic)	
17309	17315	1	3	1	3	8 Grey bi-gn., inhom. foliated finegr., with transition to more quartzo-feldspatic light grey levels as 17243-17306	
17315	17318	4	1	2		Qz-fldsp vein, fine-mdgr. whitish grey (anatectic)	
17318	17338	1	3	2	3	9 Grey bi-gn.(granitoid?), striped foliated fine-mdgr., with diffuse 1-2 cm long recryst. fldsp porphyroblasts as 17179-17194	67
17338	17341	7	6	2	3	6 Blackish grey bi-rock, fine-mdgr., with irregular pegmatitic vein	
17341	17346	1	3	2	3	9 Grey bi-gn.(granitoid?), striped foliated fine-mdgr., with diffuse 1-2 cm long recryst. fldsp porphyroblasts as 17179-17194	
17346	17348	4	1	2		Qz-fldsp vein, fine-mdgr. whitish grey (anatectic)	
17348	17352	1	3	2	3	4 Grey bi-gn.(granitoid?), striped foliated fine-mdgr. as 17341-17346, with a few qz-fldsp veins	58
17352	17395	1	3	1	3	4 Grey bi-gn., foliated finegr., with 1 cm wide qz-fldsp veins at 173374, 17377	64
17395	17405	3	1	3	2	2 Pegmatite, deformed mdgr. whitish grey, with 2-5 mm big fldsp porphyroblasts	
17405	17436	4	2	3	2	Qz-fldsp material, weakly foliated, mdgr. light grey, with spots of grey bi-gn.	
17436	17443	3	1	4	1	Pegmatite, coarsegr.	
17443	17448	1	2	1	3	Light grey bi-gn. (quartzo-feldspatic), foliated finegr.	
17448	17453	7	6	1	3	Blackish grey bi-rock, foliated finegr., with light grey veinlets	65
17453	17459	1	3	1	3	Grey bi-gn., foliated finegr., with diffuse transition to more quartzo-feldspatic light grey bi-gn.	
17459	17472	9	3	1	3	Bi-gn.granitoid, deformed striped foliated finegr. lighter grey	69
17472	17475	3	1	4	1	Pegmatitic vein, mdgr.-coarsegr. whitish grey	
17475	17479	9	3	1	3	4 Bi-gn.granitoid, deformed striped foliated finegr. lighter grey as 17459-17472, with 1 cm wide qz-fldsp vein in the middle	
17479	17482	3	1	4		Pegmatitic vein, mdgr.-coarsegr. whitish grey	
17482	17543	9	3	1	3	Bi-gn.granitoid, deformed striped foliated finegr. lighter grey as 17459-17472	67
17543	17566	6	6	1	3	Amphibolite, foliated finegr. greyish black	
17566	17577	6	6	1	4	4 Bi-amphibolite, well-foliated finegr. blackish, with whitish grey qz-flsp veins and veinlets	
17577	17582	1	5	1	3	Dark grey bi-hbl-gn., foliated finegr.	
17582	17593	6	6	1	3	Amphibolite, foliated finegr. greyish black	67
17593	17616	9	3	2	3	Bi(+hbl?)-gn.granitoid, diffusely striped foliated fine-mdgr. grey	
17616	17641	1	5	1	3	Dark grey hbl-bi-gn., foliated finegr.	68
17641	17647	3	2	3	2	2 Pegmatitic material, deformed mdgr. light grey, with 2-6 mm big fldsp porphyroblasts	
17647	17775	1	5	2	3	Dark grey bi-hbl-gn., foliated fine-mdgr., striped to dark spotted with dispersed 1-2 mm big hbl spots	68(17750), 65(17674)
17775	17779	7	6	1	4	Blackish bi-rock, well-foliated finegr., with light grey qz-fldsp veinlets	
17779	17836	1	3	1	3	4 Grey bi-gn., foliated finegr., rather pale with diffuse more quartzo-feldspatic levels, and a few qz-fldsp veins	68
17836	17838	4	1	3	2	Qz-fldsp vein, deformed weakly foliated, mdgr. whitish grey	
17838	17863	1	3	1	3	Grey bi-gn., foliated finegr., quite pale with diffuse more quartzo-feldspatic levels as 17779-17836	74
17863	17876	3	2	3	2	Pegmatitic material, deformed mdgr. light grey, with spots of grey bi-gn.	
17876	17937	1	3	1	3	4 Grey bi-gn., foliated finegr., with diffuse more quartzo-feldspatic levels as 17779-17836. With five 2 cm wide qz-fldsp veins	67
17937	18015	9	3	2	3	Bi(+hbl?)-gn.granitoid, diffusely striped foliated fine-mdgr. grey, with 5-15 mm long diffuse stripes of dark minerals	73
18015	18059	1	3	1	3	4 Grey bi-gn., foliated finegr., with scattered 5-10 mm thick diffuse quartzo-feldspatic bands	57
18059	18065	4	1	3		Qz-fldsp rock, mdgr. whitish grey	

18065	18076	1	3	1	3	4	Grey bi-gn., foliated finegr., with irregular mdgr. whitish grey qz-fldsp material	
18076	18079	9	3	2	3		Bi-gn.granitoid, diffusely striped foliated fine-mdgr. grey	63
18079	18081	1	3	1	3		Grey bi-gn., foliated finegr.	
18081	18102	9	3	2	3	2	Bi-gn.granitoid, foliated fine-mdgr. grey, with dark minerals in diffuse stripes and 1-3 mm big fldsp porphyroblasts	61
18102	18113	1	3	1	3		Grey bi-gn., foliated finegr. as 18079-18081	
18113	18116	9	3	2	3		Bi-gn.granitoid, diffusely striped foliated fine-mdgr. grey as 18076-18079	
18116	18118	1	3	1	3		Grey bi-gn., foliated finegr. as 18079-18081	62
18118	18125	7	6	1	3	4, 8	Amphibolitic rock, inhom. foliated finegr. dark grey to blackish, with qz-flsp veins	
18125	18177	6	6	1	3		Amphibolite, foliated finegr. blackish	63
18177	18179	3	2	1			Qz-fldsp rock, finegr. light grey	
18179	18189	6	6	1	3		Amphibolite, foliated finegr. blackish as 18125-18177	
18189	18243	1	3	1	3	4, 8	Grey bi-gn., inhom. foliated finegr., with scattered qz-fldsp veins	69
18243	18260	1	3	1	3	3, 4	Grey bi-gn., foliated finegr., with 50% fine-mdgr. qz-fldsp veins and coarsegr. pegmatitic veins	67
18260	18514	3	1	4	2		Pegmatite, weakly foliated coarsegr. light to whitish grey	50(18358), 59(18433)
18514	18529	1	3	1	3	4	Grey bi-gn., foliated finegr., with scattered 5 mm wide qz-fldsp bands	72
18529	18532	4	1	2			Qz-fldsp rock, fine-mdgr. whitish grey	
18532	18610	1	3	1	3	4	Grey bi-gn., foliated finegr., somewhat diffusely colour-banded, with 1 cm wide qz-fldsp bands at 18553, 18555	71
18610	18657	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish	65
18657	18659	4	2	1			Qz-fldsp rock, finegr. light grey	
18659	18667	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish as 18610-18657	71
18667	18697	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with dark minerals (bi+hbl?) in diffuse stripes	69
18697	18699	4	2	3			Qz-fldsp vein, mdgr. light grey	
18699	18772	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with dark minerals (bi+hbl?) in diffuse stripes as 18667-18697	68
18772	18779	4	2	3			Qz-fldsp vein, mdgr. light grey	
18779	18796	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with dark minerals (bi+hbl?) in diffuse stripes as 18667-18697	60
18796	18810	1	3	1	3		Grey bi-gn., foliated finegr.	
18810	18817	4	1	3	2		Qz-fldsp vein, weakly foliated mdgr. whitish grey	
18817	18831	1	3	1	3		Grey bi-gn., foliated finegr. as 18796-18810	66
18831	18843	1	3	1	3	4	Grey bi-gn., foliated finegr., with 4x 1 cm wide mdgr. light grey qz-fldsp veins	
18843	18871	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish grey	62
18871	18876	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with dark minerals (bi+hbl?) in diffuse stripes as 18667-18697	
18876	18900	1	3	1	3	4, 8	Grey bi-gn., inhom. foliated finegr., with mdgr. whitish grey qz-fldsp vein at 18890	
18900	18921	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish grey as 18843-18871	53
18921	19076	1	4	2	3		Darker grey bi-hbl-gn., foliated fine-mdgr., spotted with dispersed 1-2 mm big hbl spots	57(18941), 58(19042)
19076	19084	1	3	2	3	2	Grey bi-gn., foliated fine-mdgr., with 2-3 mm big fldsp porphyroblasts	58
19084	19095	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with bi in diffuse stripes	
19095	19109	1	3	1	3	4, 8	Grey bi-gn., inhom. foliated finegr., with 60% mdgr. qz-fldsp veins with tiny garnet	
19109	19124	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with bi in diffuse stripes as 19084-19095	54
19124	19164	1	3	1	3	4, 8	Grey bi-gn., inhom. foliated finegr., with several 5-10 mm wide qz-fldsp veins with scattered tiny garnet	61
19164	19211	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with bi+hbl in 5-20 mm long diffuse stripes	
19211	19219	3	1	4	1		Pegmatite, coarsegr. white grey	
19219	19228	9	3	2	3		Bi-gn.granitoid, striped foliated fine-mdgr. grey, with bi+hbl in 5-20 mm long diffuse stripes as 19164-19211	
19228	19266	9	2	2	3	1	Bi-gn.(granitoid, light grey variant), rather striped foliated fine-mdgr. paler grey, with scattered 2-5 mm fldsp porphyroblasts	61
19266	19409	9	3	3	2		Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	59(19280), 58(19252)
19409	19413	4	2	3			Qz-fldsp vein, mdgr. light grey	
19413	19511	9	3	3	2		Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20mm long diffuse stripes	52
19511	19522	9	3	2	3		Hbl-bi-gn.granitoid, foliated fine-mdgr. grey, with bi+hbl in diffuse stripes as 19266-409, but better foliated and less mdgr.	57
19522	19742	9	3	3	2		Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	60(19570), 55(19655), 61(19728)
19742	19763	4	2	3	3		Qz-fldsp material, foliated mdgr. light grey, with fishes of granitoid (as 19266-19409)	
19763	19771	1	2	1			Light grey bi-gn., quartzo-feldspatic with 1-2 mm big rounded garnet	

19771	19792	4	2	3	3	Qz-fldsp material, foliated mdgr. light grey	
19792	19847	9	3	3	2	Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	65, 65
19847	19850	3	1	4		Pegmatitic vein, mdgr.-coarsegr. whitish grey	
19850	19868	9	3	3	2	Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	
19868	19871	3	1	4		Pegmatitic vein, mdgr.-coarsegr. whitish grey	
19871	19914	9	3	3	2	Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, as 19792-19847 but lighter coloured	
19914	19918	4	1	3		Qz-fldsp material, coarse-mdgr. whitish grey	
19918	19919	1	5	3		Dark grey bi-gn., mdgr. bi-rich	
19919	19925	4	1	3		Qz-fldsp material, coarse-mdgr. whitish grey	
19925	19927	1	4	1		Darker grey bi-gn., finegr.	
19927	19939	3	1	4	1	Qz-rich pegmatite, coarsegr. whitish grey	
19939	19945	3	1	4	1	Qz-rich pegmatite, coarsegr. whitish grey, with thin layer of dark greyish amphibolitic rock	
19945	20044	1	5	2	3	Dark grey amphibolitic bi-hbl-gn., foliated finegr. to fine-mdgr.	53(19980), 49(20033)
20044	20059	1	2	2	4, 8	Light grey bi-gn., inhom. fine-mdgr., with transitions to qz-fldsp material	
20059	20066	3	1	4	1	Pegmatite, undeformed coarsegr. whitish grey	
20066	20072	1	3	1	2	4 Grey bi-gn., weakly foliated finegr., with 1 cm wide qz-fldsp vein	
20072	20076	6	6	2	3	Bi-amphibolite, foliated fine-mdgr. blackish	
20076	20179	1	3	1	3	4 Grey bi-gn., foliated finegr., with 1-2 cm wide qz-fldsp veins at 20105, 20110, 20162	55(20170)
20179	20191	9	3	2	3	Bi-gn.granitoid, foliated fine-mdgr. grey	
20191	20233	1	3	1	3	Grey bi-gn., foliated finegr., almost no qz-fldsp veins	54
20233	20234	7	6	2	3	Bi-rock, foliated black	
20234	20387	1	3	1	3	Grey bi-gn., foliated finegr., almost no qz-fldsp vein material	61(20320)
20387	20561	9	3	3	2	Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	66(20490), 59(20534)
20561	20586	9	3	3	3	3 Bi-gn.granitoid, less striped foliated fine-mdgr. grey, rich in 1-4 mm big fldsp porphyroblasts	
20586	20590	1	3	1	2	4 Grey bi-gn., weakly foliated finegr., with whitish grey qz-fldsp vein	
20590	20607	6	6	1	3	4 Amphibolite, foliated finegr. blackish, with finegr. whitish grey qz-fldsp vein at 20592-20593	
20607	20640	9	3	3	2	Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	52(20617), 54(20636)
20640	20646	1	4	1	3	Darker grey bi-gn., foliated finegr.	55
20646	20650	9	3	3	2	Hbl-bi-gn.granitoid, striped moderately foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	
20650	20656	1	4	1	3	Darker grey bi-gn., foliated finegr. as 20640-20646	
20656	20674	9	3	3	3	Hbl-bi-gn.granitoid, striped foliated mdgr. grey, with dark minerals (bi+/-hbl) in 5-20 mm long diffuse stripes	54
20674	20702	6	6	1	3	4 Amphibolite, foliated finegr. black, with 5 mm wide finegr. whitish grey qz-fldsp vein at 20687	54
20702	20728	1	3	1	3	Grey bi-gn., foliated finegr., no veins	61
20728	20733	4	2	2	2	Qz-fldsp vein, moderately foliated fine-mdgr. light grey	
20733	20765	1	3	1	3	Grey bi-gn., homogeneous foliated finegr., no veins	59
20765	20807	9	3	3	2	1 Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20607-40. Scattered 1-3 mm fldsp porph.bl.	52
20807	20833	1	3	1	3	Grey bi-gn., foliated finegr. as 20702-20228, no veins	
20833	20835	7	6	1	3	Biotite rock, foliated finegr. blackish grey	50
20835	20838	1	3	1	3	Grey bi-gn., foliated finegr. as 20702-20228, no veins	
20838	20907	9	3	3	2	Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20765-20807	60, 67
20907	20937	6	6	1	3	Amphibolite, foliated finegr. blackish grey bi-bearing. With joints along core axis	53
20937	20943	4	2	1	3	Qz-fldsp rock, foliated finegr. light grey	
20943	20944	6	6	1	3	Amphibolite, foliated finegr. blackish grey bi-bearing	
20944	20960	9	3	3	2	1 Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20765-807. Scattered 1-3 mm fldsp porph.bl.	58
20960	20965	1	4	1	3	Darker grey bi-gn., foliated finegr.	
20965	20967	9	3	3	2	Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20765-20807	
20967	20968	6	6	1	3	Amphibolite, foliated finegr. blackish. Crack with 3 cm displacement along core axis at 20913-21000	
20968	21003	9	3	3	2	1 Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20944-60. Scattered 1-3 mm fldsp porph.bl.	57
21003	21007	1	3	1	3	Grey hbl-bi-gn., foliated finegr.	
21007	21041	9	3	3	2	1 Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20944-60. Scattered 1-3 mm fldsp porph.bl.	62

21041	21042	1	5	1	3	Dark grey bi-hbl-gn., foliated finegr.	
21042	21054	9	3	3	2	1 Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20944-60. Scattered 1-3 mm fldsp porph.bl.	65
21054	21066	1	4	1	3	4 Darker grey bi-gn., foliated finegr., with scattered qz-fldsp veins	
21066	21082	9	3	3	2	1 Hbl-bi-gn.granitoid, moderately foliated mdgr. grey, with bi+/-hbl in stripes as 20944-60. Scattered 1-3 mm fldsp porph.bl.	67
21082	21171	1	4	2	2	Darker grey bi-hbl-gn., spotted moderately foliated fine-mdgr., with dispersed 1-2 mm big hbl spots	
21171	21227	1	4	1	3	Darker grey bi-gn., foliated finegr.	73
21227	21235	4	2	2	3	Qz-fldsp veins, foliated fine-mdgr. light grey (anatectic), with stripes of grey bi-gn.	
21235	21304	1	4	1	3	Darker grey bi-gn., foliated finegr. as 21171-21227	78
21304	21306	4	2			Qz-fldsp vein, whitish grey (anatectic)	
21306	21329	1	4	1	3	Darker grey bi-gn., foliated finegr. as 21171-21227	81
21329	21337	1	5	1	3	Dark grey bi-gn., foliated finegr.	
21337	21354	1	4	2	3	Darker grey bi-hbl-gn., spotted foliated fine-mdgr., with dispersed 1-2 mm big hbl spots as 21082-21171	75
21354	21371	1	4	1	3	Darker grey bi-gn., foliated finegr.	
21371	21375	4	2	2	2	Qz-fldsp material, moderately foliated fine-mdgr. light grey	
21375	21403	1	3	1	3	Grey bi-gn., foliated finegr.	
21403	21405	4	1	1		Qz-fldsp vein, finegr. whitish grey (anatectic)	
21405	21410	1	3	1	3	Grey bi-gn., foliated finegr.	72
21410	21411	4	2	2	3	Qz-fldsp vein, foliated fine-mdgr. light grey	
21411	21412	1	6		3	Blackish grey hbl-bi-gn., foliated	
21412	21415	1	3	1	3	Grey bi-gn., foliated finegr.	
21415	21428	6	6	2	2	Amphibolite, weakly foliated fine-mdgr. blackish grey. (NB! Core piece may not belong to here in this interval)	
21428	21551	1	4	1	3	4 Darker grey (hbl)-bi-gn., foliated finegr., scattered hbl-striped. 1 cm wide qz-fldsp veins at 21482, 21493	73(21444), 65(21535)
21551	21565	1	5	1	3	Dark grey bi-hbl-gn. (amphibolitic), foliated finegr.	
21565	21568	7	6	1	4	Bi-rich rock, well-foliated (sheared?) finegr. blackish	62
21568	21578	1	2	1	3	Light grey bi-gn., foliated finegr., rather quartzo-feldspatic	68
21578	21592	1	5	1	3	4 Dark grey bi-hbl-gn. (amphibolitic), foliated finegr. as 21551-65, with finegr. light grey qz-fldsp material at 21581-21588	
21592	21598	3	1	4	2	Pegmatite, deformed mdgr.-coarsegr. white grey	
21598	21642	1	5	2	3	4 Dark grey amphibolitic hbl-gn., foliated fine-mdgr., with dispersed 1-2 mm big hbl spots. Qz-fldsp veins at 21616, 21620	60
21642	21643	7	6	1	4	Biotite rock, well-foliated finegr. blackish	
21643	21665	3	1	4	1	Pegmatite, non-foliated coarsegr. white grey	
21665	21673	1	3	1	3	Grey bi-gn., foliated finegr.	
21673	21699	9	3	1	3	3 Porphyritic bi-gn.granitoid, foliated finegr. grey, rich in 3-7 mm big fldsp porphyroblasts	61
21699	21758	9	3	1	3	9 Bi-gn.granitoid, as 21673-21699. Porphyritic but with scattered 3-7mm big partly recryst. fldsp porphyroblasts	59
21758	21766	1	5	1	3	Dark grey hbl-bi-gn., foliated finegr.	68
21766	21770	4	1	2	3	Qz-fldsp vein, foliated fine-mdgr. whitish grey (anatectic)	
21770	21771	9	3	1	3	1 Bi-gn.granitoid, finegr. grey, somewhat fldsp porphyroblastic	
21771	21774	4	1	2	3	Qz-fldsp vein, foliated fine-mdgr. whitish grey (anatectic)	
21774	21852	9	3	1	3	9 Bi-gn.granitoid, porph. foliated finegr. grey, with variable 2-10mm long partly recryst stretched fldsp porphyrobl.	69(21787), 70(21848)
21852	21875	9	3	1	3	9, 5 Bi-gn.granitoid, porphyritic foliated finegr. grey as 21774-21852. With 1 cm wide qz-vein along core axis	
21875	21913	9	3	1	3	9 Bi-gn.granitoid, porph. foliated finegr. grey, with variable 2-10mm long partly recryst stretched fldsp porphyrobl.	
21913	21933	6	6	2	3	4 Amphibolite, fine-mdgr. blackish, with a few scattered 2-6 mm wide qz-fldsp veins	
21933	21935	4	1	3		Qz-fldsp vein, mdgr. white grey	
21935	21995	6	6	2	3	4 Amphibolite, fine-mdgr. blackish, with a few 2-6 mm wide qz-fldsp veins	67
21995	22028	1	5	2	3	4 Dark grey bi-hbl-gn., rather striped foliated fine-mdgr., with plenty of 5-12 mm wide qz-fldsp veins	64
22028	22057	1	5	2	3	4 Dark grey bi-hbl-gn., rather striped foliated fine-mdgr. as 21995-22028, but with scattered thin qz-fldsp veins	65
22057	22059	4	2	2	3	Qz-fldsp vein, foliated fine-mdgr. light grey	
22059	22083	1	5	2	3	Dark grey bi-hbl-gn., rather striped foliated fine-mdgr. as 21995-22028, with scattered thin qz-fldsp veins	62
22083	22086	3	1	4	1	Pegmatitic vein, coarsegr. whitish grey	
22086	22226	1	5	2	3	4 Dark grey bi-hbl-gn., rather striped foliated fine-mdgr. as 21995-22028, with many thin qz-fldsp veins and less dark bands	66(22130), 66(22208)
22226	22232	1	5	2	3	6 Dark grey bi-hbl-gn., rather striped foliated fine-mdgr. as 22086-22226, but with pegmatitic veins	

22232	22241	3	1	4	1		Pegmatite, coarsegr. white grey	
22241	22255	1	5	2	3	4	Dark grey bi-hbl-gn., rather striped foliated fine-mdgr. as 21995-22028, with mm - 1 cm thick qz-fldsp veins	65
22255	22259	3	1	4	1		Pegmatite, coarsegr. white grey	
22259	22280	1	3	1	3		(Darker) grey (hbl)-bi-gn., foliated finegr., with scattered thin qz-fldsp veins	63
22280	22291	1	3	1	3		Grey bi-gn., foliated finegr.	67
22291	22296	1	3	1	3		(Darker) grey bi-gn., foliated finegr., with scattered thin qz-fldsp veins as 22259-22280	
22296	22297	4	1	2			Qz-fldsp vein, fine-mdgr. whitish grey	
22297	22338	1	3	1	3	4	(Darker) grey (hbl)-bi-gn., foliated finegr., with plenty of 2-10 mm wide qz-fldsp veins	65
22338	22353	3	1	4			Pegmatite, mdgr.-coarsegr. whitish grey, with spots of bi/hbl	
22353	22363	1	2	1	3		Light grey bi-gn., foliated finegr.	
22363	22521	1	4	1	3	4	Darker grey hbl?-bi-gn., foliated finegr., with plenty of 3-15 mm wide (10 are >1 cm thick) qz-fldsp veins (anatectic)	60(22390), 66(22418), 63(22485)
22521	22529	6	6	2	3	4	Amphibolite, foliated fine-mdgr. blackish, with 2-4 mm thick qz-fldsp veins	
22529	22536	3	1	4	1		Pegmatite, coarsegr. whitish grey	
22536	22549	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish	68
22549	22557	6	6	2	3	5	Amphibolite, foliated fine-mdgr. blackish, with 60% mdgr.-coarsegr. white grey pegmatite veins	
22557	22578	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish	69
22578	22590	6	6	2	3	6	Amphibolite, foliated fine-mdgr. blackish, with 5x 5-10 mm wide pegmatitic/qz-fldsp veins	
22590	22626	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish	66
22626	22628	3	1	4	1		Pegmatite, coarsegr. whitish grey	
22628	22676	6	6	1	3		Amphibolite, foliated finegr. blackish	68
22676	22689	1	4	1	3	1, 4	Darker grey (hbl)-bi-gn., foliated finegr., with thin qz-fldsp veins and scattered 2-4 mm big fldsp porphyroblasts	74
22689	22706	6	6	1	3		Amphibolite, foliated finegr. blackish	
22706	22711	4	1	3	3		Qz-fldsp rock, foliated mdgr. white grey	
22711	22756	2	2	2	2		Bi-gn.granite, homoheneous moderately foliated fine-mdgr. light grey	
22756	22798	1	4	1	3		Darker grey bi-gn., uniform foliated finegr., no veins	65
22798	22813	1	4	2	3	4	Darker grey bi-gn., foliated fine-mdgr., with plenty (50%) of qz-fldsp veins	
22813	22829	3	1	4	1		Pegmatite, coarsegr. white grey	
22829	22869	6	6	1	3		Amphibolite, foliated finegr. blackish	69
22869	22880	3	1	4	1		Pegmatite, coarsegr. white grey	
22880	22913	6	6	2	3		Amphibolite, foliated finegr. to fine-mdgr. blackish	63
22913	22929	1	4	2	3	4	Darker grey bi-gn., foliated fine-mdgr., with plenty (50%) of qz-fldsp veins	
22929	22931	6	6	2	3		Amphibolite, foliated finegr. to fine-mdgr. blackish	
22931	22934	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr.	
22934	22943	6	6	2	3		Amphibolite, foliated finegr. to fine-mdgr. blackish	64
22943	22946	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr., with 3-4 mm thick black biotite-rocks on both sides	
22946	23049	6	6	2	3	4	Amphibolite, foliated finegr. to fine-mdgr. blackish, with 1/2 cm wide qz-fldsp veins at 22951, 22986, 23008	63(22969), 65(23037)
23049	23055	6	6	2	3	4	Amphibolite, foliated finegr. to fine-mdgr. blackish, with plenty of qz-fldsp veins	
23055	23095	1	3	1	3	4	(Darker) grey bi-gn., foliated finegr., with plenty of 3-5 mm thick qz-fldsp veins	62
23095	23121	3	1	4	2		Pegmatite, weakly foliated mdgr.-coarsegr. white grey	
23121	23159	6	6	2	3	4, 6	Amphibolite, foliated finegr. to fine-mdgr. blackish, with some qz-fldsp veins. Pegmatite vein at 23145-23148	65
23159	23185	3	1	4	1		Pegmatite, coarsegr. white grey, with inclusions of amphibolite	
23185	23188	6	6	2	3		Amphibolite, foliated finegr. to fine-mdgr. blackish	
23188	23189	3	1	3			Pegmatitic vein, mdgr. white grey	
23189	23192	6	6	2	3		Amphibolite, foliated finegr. to fine-mdgr. blackish	
23192	23194	6	6	2	3	5	Amphibolite, with plenty of pegmatitic material	
23194	23202	6	6	2	3		Amphibolite, foliated finegr. to fine-mdgr. blackish	
23202	23205	4	1	1	3		Qz-fldsp material, foliated finegr. whitish grey	
23205	23218	6	6	1	3		Amphibolite, foliated finegr. blackish	80
23218	23250	1	4	1	3	4	Darker grey (hbl?)-bi-gn., foliated finegr., rich in light grey qz-fldsp material. Cracked	
23250	23254	7	6	1	5		Bi-rich rock, sheared, with qz-fldsp veinlets	

23254	23288	1	4	3	3	4	Darker grey (hbl?)-bi-gn., foliated fine-mdgr., with several qz-fldsp veins	c.60
23288	23301	1	4	3	3	5	Darker grey (hbl?)-bi-gn., foliated fine-mdgr., with 60% irregular pegmatitic material	
23301	23350	1	4	1	3	1	Darker grey bi-gn., foliated finegr., with scattered 3-4 mm big fldsp porphyroblasts	80
23350	23353	1	3	1	3		Grey bi-gn., foliated finegr.	71
23353	23355	6	6	1	3		Amphibolite, foliated finegr. blackish	
23355	23368	1	4	1	3		Darker grey hbl?-bi-gn., foliated finegr.	76
23368	23378	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish grey	
23378	23400	1	5	1	3		Dark grey bi-hbl-gn., foliated finegr.	68
23400	23418	1	4	1	3		Darker grey bi-gn., foliated finegr.	69
23418	23421	4	2	3			Qz-fldsp vein, mdgr. light grey, with some dark minerals	
23421	23434	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish, as 2 cm thick layer folded between darker grey bi-gn and qz-fldsp rock	Folded
23434	23444	1	5	3	3	4	Dark grey bi-hbl-gn., foliated mdgr., with plenty of qz-fldsp veins	
23444	23466	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	59
23466	23468	4	1	3			Qz-fldsp vein, mdgr. whitish grey	
23468	23494	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	56
23494	23496	4	1	3			Qz-fldsp vein, mdgr. whitish grey	
23496	23561	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	75
23561	23572	3	1	4	1		Pegmatite, non-foliated coarsegr. whitish grey	
23572	23648	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	84
23648	23651	3	1	4	1		Pegmatite, non-foliated coarsegr. whitish grey	
23651	23686	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	75, 80
23686	23721	1	4	1	3		Darker grey hbl-bi-gn., uniform striped foliated finegr.	82
23721	23725	1	3	1	3		Grey bi-gn., foliated finegr.	
23725	23855	1	4	1	3	2	Darker grey hbl-bi-gn., uniform striped foliated finegr. as 23686-721, but with 2-4 mm big partly recryst. fldsp porphyrobl.	81(23782), 80(23823)
23855	23931	1	5	1	3		Dark grey bi-hbl-gn., uniform foliated finegr.. Black biotite-rock at 23900-23901	77, 79
23931	23944	9	3	2	3	9	Bi-gn.granitoid, foliated fine-mdgr. grey, with stretched fldsp porph.bl. as 23444-66, but a little dark and inhom.	
23944	23946	3	1	4			Pegmatitic vein, mdgr.-coarsegr. whitish grey	
23946	24034	9	4	2	3	9	Bi-gn.granitoid, porph. foliated fine-mdgr. darker grey, with 5-15mm long recryst. stretched fldsp porphyrobl.	77(23969), 75(24018)
24034	24037	3	1	4			Pegmatitic vein, mdgr.-coarsegr. whitish grey	
24037	24064	9	4	2	3	9	Bi-gn.granitoid, porph. foliated fine-mdgr. darker grey, with 5-15mm long recryst. stretched fldsp porphyrobl.	77
24064	24144	3	1	4	1		Pegmatite, non-foliated coarsegr. white grey	
24144	24149	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	78
24149	24178	1	4	1	3		Darker grey hbl-bi-gn., uniform foliated finegr.	68
24178	24194	1	4	1	3		Darker grey bi-hbl-gn., uniform foliated finegr.	68
24194	24200	1	4	1	3		Darker grey hbl-bi-gn., uniform foliated finegr.	
24200	24202	7	6	2	4		Biotite rock, well-foliated fine-mdgr. black	
24202	24238	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	76
24238	24243	4	1	2			Qz-fldsp vein, fine-mdgr. whitish grey	
24243	24276	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	78
24276	24349	1	5	1	3		Dark grey bi-hbl-gn., uniform foliated finegr.	78(24285), 80(24323)
24349	24353	1	3	1	3		Grey bi-gn.(granitoid), foliated finegr.	
24353	24410	1	4	1	3		Dark grey bi-hbl-gn., uniform foliated finegr.	78
24410	24476	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	74(24460)
24476	24479	3	1	4	1		Pegmatitic vein, coarsegr. whitish grey	
24479	24506	9	3	3	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	72
24506	24529	6	6	1	3		Amphibolite, foliated finegr. blackish bi-bearing	
24529	24532	3	1	4	1		Pegmatitic vein, coarsegr. whitish grey	
24532	24588	6	6	1	3	6	Amphibolite, foliated finegr. blackish bi-bearing as 24506-24529, with a few pegmatitic veins	70
24588	24614	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	75
24614	24621	3	1	4	1		Pegmatitic vein, coarsegr. whitish grey	

24621	24622	7	6	2	4		Biotite rock, well-foliated fine-mdgr. black	
24622	24685	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	74
24685	24687	3	1	4			Pegmatitic vein, coarsegr. whitish grey	
24687	24714	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	76
24714	24719	9	3	2	3	9, 6	Bi-gn.granitoid, stretched porphyritic foliated fine-mdgr. grey as 24687-24714, but with 3 pegmatitic veins	
24719	24800	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	
24800	24810	1	5	1	3		Dark grey bi-hbl-gn., foliated finegr.	
24810	24825	1	5	2	3		Dark to blackish grey bi-hbl-gn., amphibolitic foliated fine-mdgr.	
24825	24834	1	5	2	3	6	Dark to blackish grey bi-hbl-gn., amphibolitic foliated fine-mdgr., with several mdgr. pegmatitic veins	
24834	24856	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	64
24856	24860	3	1	4	1		Pegmatitic vein, coarsegr. whitish grey	
24860	24886	9	3	2	3	9	Bi-gn.granitoid, porphyritic foliated fine-mdgr. grey, with 5-10mm long partly recryst stretched fldsp porphyrobl.	70
24886	25015	1	4	1	3		Darker grey (hbl)-bi-gn., uniform striped foliated finegr.	68(24915), 70(24987)

End of drill core: 25015 cm

AMROCK - Espevik 2002 BH2

Logged by Mogens Marker, February 2002

From	To	Rock	Colour	Grain size	Foliation	Other	Description	Foliation related to core axis
0	62						Soil (missing core)	
62	123	2	2	3	3		Bi-gn.granite, foliated mdgr. light grey , with local stripes and thin layers of fine-mdgr. darker grey bi-gn. Jointed locally	42
123	165	2	2	3	3	5	Bi-gn.granite, foliated mdgr. light grey as 62-123, with whitish pegmatitic pods	
165	270	1	2	3	3	4	Rather light grey bi-gn., foliated mdgr., with thin veins or small pods of light coloured qz-fldsp material	Open folding
270	320	2	2	3	1		Bi-gn.granite, mdgr. light grey . Not foliated	
320	327	2	2	3	2		Bi-gn.granite, weakly foliated mdgr. light grey as 270-320. With several thin ductile shear zones	53
327	383	1	3	2	3	1	Grey bi-gn., foliated fine-mdgr., with scattered 1-2(5) mm big fldsp porphyroblasts	Small folded
383	392	3	1				Pegmatite, whitish	
392	418	1	3	2	3	1	Grey bi-gn., foliated fine-mdgr., with scattered 1-2(5) mm big fldsp porphyroblasts as at 327-383	40
418	450	2	2	3			Bi-gn.granite, mdgr. light grey	
450	481	1	3	2	3	5	Grey bi-gn., foliated fine-mdgr. as 327-383, with small pegmatitic pods and plenty of thin shear zones	
481	513	1	3	2	3	2	Grey bi-gn., foliated fine-mdgr. as 327-383, but richer in 1-4 mm big fldsp porphyroblasts	40
513	556	2	2	3	2		Bi-gn.granite, weakly foliated mdgr. light grey	
556	580	1	5	2	3	4	Bi-rich gn., foliated fine-mdgr. with layers of finegr. light grey qz-fldsp rock. Small faulted-brecciated with epidote filling	
580	667	1	3	3	3	5	Grey bi-gn., inhom. foliated mdgr. with plenty of diffuse pods and veins of whitish grey gn.granite and pegmatite	
667	707	1	5	2	3	4	Bi-rich gn., foliated fine-mdgr. with plenty of sheared mm-1 cm wide light grey veins	41
707	900	1	3	1	4	2	Grey to darker grey bi-gn., well-foliated finegr.(fine-mdgr.). In light coloured parts with 1-3mm big fldsp porphyroblasts	36(750), folded(790-820)
900	944	1	4	1	3		Darker grey bi(+hbl?)-gn., foliated finegr.	49
944	969	1	4	1	3	4	Darker grey bi(+hbl?)-gn., foliated finegr., with cross-cutting foliated mdgr. light grey qz-fldsp material	39
969	975	4	2	3	3		Qz-flsp vein, foliated mdgr. light grey	
975	995	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr.	25
995	1037	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr. as 975-995, with irregular deformed veins of mdgr. light grey qz-fldsp material	30
1037	1063	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr. as 975-995	32
1063	1097	9	3	3			Grey bi-gn.granitoid, mdgr.	33
1097	1104	3	1	4			Pegmatite, coarsegr. white grey	
1104	1259	1	3	2	3		Grey bi-gn., uniform foliated fine-mdgr. Joints at 1219, 1240, 1254	43(1150), 42(1180), 53(1236)
1259	1261	4	2	3			Qz-flsp vein, mdgr. light grey	
1261	1295	1	3	2	3		Grey bi-gn., uniform foliated fine-mdgr. as 1104-1259	57
1295	1304	1	3	2	3	4	Grey bi-gn., uniform foliated fine-mdgr. as 1104-1259, with irregular mdgr. light grey qz-fldsp veins	
1304	1330	1	3	2	3		Grey bi-gn., uniform foliated fine-mdgr. as 1104-1259	51
1330	1332	4	2	3	3		Qz-flsp vein, foliated mdgr. light grey	
1332	1378	1	3	2	3	4	Grey bi(+hbl?)-gn., uniform foliated fine-mdgr. as 1104-1259, with 5x 1 cm wide qz-fldsp veins	44
1378	1381	4	2	3	3		Qz-flsp vein, foliated mdgr. light grey	
1381	1397	1	3	2	3	4	Grey bi(+hbl)-gn., uniform foliated fine-mdgr. as 1104-1259, with 5x 1 cm wide qz-fldsp veins	56
1397	1405	4	2	3	3		Qz-flsp vein, foliated mdgr. light grey	
1405	1427	1	4	2	3	4, 8	Grey to darker grey bi-hbl-gn., inhom. foliated fine-mdgr., with scattered 1 cm wide qz-fldsp veins	45(1418)
1427	1430	4	2	3	3		Qz-flsp vein, foliated mdgr. light grey	
1430	1495	1	4	2	3	4, 8	Grey to darker grey bi-hbl-gn., inhom. foliated fine-mdgr., with scattered 1 cm wide qz-fldsp veins	52(1474)
1495	1600	1	4	2	3		Grey to darker grey bi-hbl-gn., homogeneous foliated fine-mdgr. Jointed at 1556-1598	50(1522), 51(1576)
1600	1656	1	3	2	3		Grey bi-gn., better foliated fine-mdgr., with some hbl	49, 60
1656	1666	4	2	3	4		Qz-flsp material, well-foliated mdgr. light grey	57
1666	1705	1	3	2	3	4	Grey bi-gn., hbl-bearing, foliated fine-mdgr., with qz-fldsp veins at 1672-1677	45
1705	1801	1	3	2	3	1	Grey bi-gn., foliated fine-mdgr., locally with 1-3 mm big fldsp porphyroblasts. All strongly jointed	51, 57
1801	1810	4	2	2	4		Qz-flsp rock, well-foliated fine-mdgr. light grey	65
1810	1815	1	3	1	3		Grey bi-gn., foliated finegr.	
1815	1828	1	3	2	3		Grey bi-gn., hbl-bearing, foliated fine-mdgr.	75
1828	1842	4	2	3	4		Qz-flsp rock, well-foliated mdgr. light grey	
1842	1915	1	4	2	3	4	Darker grey hbl-bi-gn., foliated fine-mdgr., with plenty (20%) of light grey qz-fldsp veins	63, 50
1915	1919	3	2				Pegmatite, reddish light grey	

1919	1937	4	2	1	2		Greenish light grey rock (epidotised qz-fldsp material?), weakly foliated finegr.	
1937	1965	6	6	1	1	5	Amphibolite, non-foliated finegr. greenish black. Contains inclusions of gn. Qz-vein at 1939-1947	
1965	2028	4	2	3	2	3	Greenish light grey rock (epidotised qz-fldsp material?), moderately foliated mdgr., rich in 1-5 mm big fldsp porphyroblasts	46
2028	2066	1	4	2	3	4	Darker grey hbl-bi-gn., foliated fine-mdgr., with 3x 1 cm wide light grey qz-fldsp veins	58
2066	2074	4	2	3	3	2	Qz-flsp vein, foliated mdgr. light grey porphyroblastic	
2074	2135	1	4	2	3	4	Darker grey bi-hbl-gn., foliated fine-mdgr., with plenty of light grey qz-fldsp veins as 1842-1905	53
2135	2140	7	6	4			Bi+qz rock, coarsegr. composed of bi and qz in equal amounts	
2140	2188	1	4	2	3	4	Darker grey bi-hbl-gn., foliated fine-mdgr. as 2074-2135, but with less qz-fldsp veins	71
2188	2197	3	1			2	Pegmatite, white grey porphyroblastic	
2197	2204	1	4	2	3		Darker grey bi-hbl-gn., foliated fine-mdgr. as 2074-2135, but no veins	
2204	2207	7	6				Bi-rich amphibolitic rock, blackish., with thin whitish veinlets	57
2207	2323	1	4	2	3	4	Darker grey bi-hbl-gn., foliated fine-mdgr. as 2074-2135, with variable amounts of 1/2-1 cm wide qz-fldsp veins	58(2228), 46(2267)
2323	2342	3	1	4			Pegmatite, coarsegr. white grey, with inclusions of darker grey bi-hbl-gn. as 2074-2135	
2342	2374	7	6	1	5		Amphibolitic rock, sheared well-foliated finegr. blackish, with plenty of qz-fldsp lamellae/veinlets	49
2374	2530	4	2	2	3	2	Qz-flsp rock, foliated finegr. to fine-mdgr. light grey, with 1-5 mm big fldsp porphyroblasts and streaks with bi	41(2430), 41(2480)
2530	2655	4	2	1	3		Qz-flsp rock, foliated finegr. light grey. No fldsp porphyroblasts	62(2546), 43(2630)
2655	2705	6	6	1	2		Amphibolite, weakly foliated finegr. blackish grey	
2705	2767	1	4	2	2	4	Dark grey bi-hbl-gn., weakly foliated fine-mdgr., with scattered white grey veins	75
2767	2779	4	1	3			Qz-flsp veins, mdgr. white grey, with thin layers of dark grey bi-hbl-gn. as 2705-2767	
2779	2782	1	4	2	3		Darker grey (hbl?)-bi-gn., foliated fine-mdgr.	
2782	2788	4	1	3			Qz-flsp veins, mdgr. white grey as 2767-2779, with fishes of darker grey bi-gn.	
2788	3045	1	3	2	3	4	Grey hbl-bi-gn., foliated finegr. to fine-mdgr., with scattered qz-fldsp veins. Jointed between 3000-3045	60(2854), 55(2860)
3045	3074	1	4	1	2		Dark grey bi-hbl-gn., moderately foliated finegr., with qz-fldsp veinlets	
3074	3076	4	2				Qz-flsp vein, in dark grey bi-hbl-gn. as 3045-3074	
3076	3078	1	3	2	3		Grey bi-gn., foliated fine-mdgr.	
3078	3088	1	2		3		Qz-flsp vein, foliated light grey	
3088	3165	1	3	2	3	4	Grey (hbl?)-bi-gn., foliated fine-mdgr. to finegr., with 3-20 mm wide qz-fldsp veins (anatexis)	56(3150)
3165	3167	1	4	1	3		Dark grey bi-gn., foliated finegr.	62
3167	3182	1	3	2	3		Grey (hbl?)-bi-gn., foliated fine-mdgr. to finegr. as 3088-3165	
3182	3192	7	6	1	5		Dark to blackish grey rock, sheared well-foliated finegr., with light grey stripes discordant to shear foliation	59
3192	3259	1	3	2	3	4	Grey (hbl)-bi-gn., foliated fine-mdgr., with <10 mm wide white grey qz-fldsp veins (anatexis)	72(3236)
3259	3263	1	4	1	3		Dark grey hbl-bi-gn., foliated finegr.	58
3263	3275	1	3	2	3		Grey (hbl)-bi-gn., foliated fine-mdgr. as 3192-3259	
3275	3281	1	5	1	3		Dark grey hbl-bi-gn., foliated finegr. as 3259-3263	57
3281	3287	1	3	2	3	4	Grey (hbl)-bi-gn., striped foliated finegr. to fine-mdgr., with scattered qz-fldsp veins (anatexis)	
3287	3291	3	1	4			Pegmatite, coarsegr. white grey	
3291	3297	1	3	2	3		Grey (hbl)-bi-gn., striped foliated finegr. to fine-mdgr. as 3281-3287 (no veins)	71
3297	3300	3	1	4			Pegmatite, coarsegr. white grey	
3300	3319	1	3	2	3		Grey (hbl)-bi-gn., striped foliated finegr. to fine-mdgr. as 3281-3287	
3319	3322	3	1	3			Pegmatite vein, mdgr. to coarsegr. white grey	
3322	3333	1	3	2	3		Grey (hbl)-bi-gn., striped foliated finegr. to fine-mdgr. as 3281-3287 (no veins)	60
3333	3351	1	3	2	3	5	Grey (hbl)-bi-gn., striped foliated finegr. to fine-mdgr. as 3322-3333, with 50% mdgr.-coarsegr. whitish pegmatitic material	
3351	3511	1	3	2	3	4	Grey bi-gn.(granitoid), striped foliated finegr. to fine-mdgr. similar to 3281-3287, with scattered qz-fldsp veins	70(3388)
3511	3517	7	6	1	5		Mylonitic bi-rich rock, well-foliated blackish grey finegr., mylonite with sheared qz-fldsp material	
3517	3522	4	2	3			Qz-flsp vein, mdgr. light grey, with a layer of grey gn.	
3522	3529	4	1	3	3		Qz-flsp material, foliated mdgr. whitish grey, with stripes of grey gn.	69
3529	3555	1	3	1	3		Grey (hbl)-bi-gn., foliated finegr.	71
3555	3591	1	3	1	3	4	Grey (hbl)-bi-gn., foliated finegr. as 3529-3555, with 6x 1-2 cm wide mdgr. whitish qz-fldsp veins (anatexis)	70
3591	3600	1	3	1	3		Grey (hbl)-bi-gn., foliated finegr. as 3529-3555	68
3600	3609	1	3	2			Grey bi-gn., fine-mdgr. Strongly weathered	
3609	3627	3	2	4			Pegmatite, mdgr. to coarsegr. light grey, with fishes of dark grey bi-gn.	

3627	3635	1	4	3	3		Darker grey hbl-bi-gn., foliated mdgr. to fine-mdgr., with amphibolitic bands	64
3635	3659	1	3	2	3	4	Grey (hbl)-bi-gn., foliated fine-mdgr., with plenty of white grey qz-fldsp veins (anatexis)	
3659	3683	1	3	2	3		Grey bi-gn., foliated fine-mdgr.	60
3683	3692	6	6	3	2		Amphibolite, weakly foliated mdgr. black grey	
3692	3709	6	6	3	2	5	Amphibolite, weakly foliated mdgr. black grey as 3683-3692, with 70% mdgr. white grey pegmatitic material	
3709	3731	1	3	2	3	4	Grey hbl-bi-gn., foliated fine-mdgr., with 50% qz-fldsp vein material (anatexis)	74
3731	3736	6	6	3	2	4	Amphibolite, weakly foliated mdgr. black grey as 3683-3692, with plenty of anatectic qz-fldsp veins	
3736	3752	1	3	2	3	4	Grey hbl-bi-gn., foliated fine-mdgr., with light grey qz-fldsp vein	Folded
3752	3760	6	6	2	3		Bi-amphibolite, foliated fine-mdgr. blackish grey	69
3760	3769	1	3	2	3		Grey (hbl)-bi-gn., foliated fine-mdgr.	
3769	3777	7	6	4		6	Black bi-hbl rock, mdgr.-coarsegr., with pegmatitic vein in middle part	
3777	3815	6	6	2	2		Bi-bearing amphibolite, moderately foliated fine-mdgr. (-mdgr.) black grey	
3815	3817	4	2	3			Qz-flsp vein, mdgr. white grey	
3817	3855	6	6	3	3	4	Bi-bearing amphibolite, foliated fine-mdgr. to mdgr. blackish grey, with thin qz-fldsp veins	85
3855	3857	4	1	3			Qz-flsp vein, mdgr. white grey	
3857	3865	6	6	3	3		Bi-bearing amphibolite, foliated fine-mdgr. to mdgr. blackish grey as 3817-3855	
3865	3873	3	1	3			Pegmatitic vein, coarse-mdgr. white grey, with fishes of amphibolite	
3873	3881	6	6	2	3		Amphibolite, foliated fine-mdgr. with bi	81
3881	3882	4	1	3			Qz-flsp vein, mdgr. white grey (anatexis)	
3882	3891	1	4	1	3		Dark grey bi-gn., foliated finegr.	
3891	3893	7	6		4		Bi-rich rock, well-foliated black	
3893	3900	6	6	2	2		Bi-bearing amphibolite, moderately foliated fine-mdgr. blackish grey	80
3900	3905	3	1	3			Pegmatite, mdgr. whitish	
3905	3936	6	6	2	3	4	Amphibolite, foliated fine-mdgr. blackish, with qz-fldsp veins at 3910-3911	78
3936	3939	4	1	3			Qz-flsp vein, mdgr. white grey	
3939	3975	6	6	2	3	4	Amphibolite, foliated fine-mdgr. blackish as 3905-3936, with qz-fldsp veins at 3957-71. Discordant qz-vein (joint filling) along core	
3975	3992	6	6	1	2		Bi-amphibolite, moderately foliated finegr. blackish	70
3992	4000	3	1	4			Pegmatite, coarsegr. whitish grey	
4000	4007	6	6	1	2		Bi-amphibolite, moderately foliated finegr. blackish as 3975-3992	
4007	4012	3	1	3			Pegmatitic vein, mdgr. white grey, irregular in bi-amphibolite as 4000-4007	
4012	4047	6	6	1	3	7	Bi-amphibolite, foliated finegr. blackish grey. With 1 cm wide discordant qz-vein (joint filling) along core (angle 10 degrees)	84
4047	4155	6	6	1	3		Bi-amphibolite, foliated finegr. blackish grey as 4012-4047	75
4155	4158	4	2	3			Qz-flsp vein, mdgr. light grey	
4158	4229	6	6	1	2		Amphibolite, moderately foliated finegr. blackish grey	78(4180)
4229	4250	6	6	2	3	4	Bi-bearing amphibolite, foliated fine-mdgr. blackish, with scattered qz-fldsp veins	81
4250	4298	1	3	1	3	4	Grey bi-gn., foliated finegr., with light grey qz-fldsp veins containing 2-3 mm big hbl? spots	87
4298	4313	8	3	2	3		Porphyritic bi-gn. granite, foliated recrystallised fine-mdgr.	77
4313	4347	6	6	1	3		Amphibolite, foliated finegr. black	77
4347	4385	3	1	4			Pegmatite, coarsegr. white grey	
4385	4498	6	6	1	3	4	Amphibolite, foliated finegr. black as 4313-4347, with local qz-fldsp veins	81
4498	4501	3	1				Pegmatite vein, white grey	
4501	4625	6	6	1	3		Amphibolite, foliated finegr. black	75(4528), 75(4612)
4625	4652	6	6	1	3		Amphibolite, finegr. black as 4501-4625, but quite well foliated	54
4652	4710	6	6	1	3		Amphibolite, foliated finegr. black as 4501-4625	69(4675)
4710	4732	6	6	1	3	4	Amphibolite, well-foliated finegr. black, with sheared qz-fldsp veins	
4732	4771	6	6	2	2		Bi-bearing amphibolite, moderately foliated fine-mdgr. black	
4771	4782	6	6	1	4		Amphibolite, well-foliated finegr. black	67
4782	4835	6	6	2	2		Amphibolite, moderately foliated fine-mdgr. greyish black	71
4835	4838	4	2	3	2		Qz-flsp vein, deformed mdgr. light grey	
4838	4862	6	6	2	3		Amphibolite, foliated fine-mdgr. black	72
4862	4896	3	2	4	2		Pegmatite, deformed weakly foliated mdgr.-coarsegr. light grey	

4896	4980	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black	76(4962)
4980	5025	6	6	2	3	4	Bi-bearing amphibolite, foliated fine-mdgr. greyish black, with several 1-2 cm wide light grey qz-fldsp veins (anatexis)	83
5025	5122	6	6	2	3	4	Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 4896-4980, with 1 cm wide qz-fldsp veins at 5067, 5099	76
5122	5146	6	6	2	3	4	Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 4980-5925, with several (25%) light grey qz-fldsp veins	
5146	5164	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 4896-4980	73
5164	5166	1	3	1	4		Grey bi-gn., well-foliated finegr.	78
5166	5170	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 4896-4980	
5170	5173	4	2	2	3		Qz-flsp vein, foliated fine-mdgr. light grey	
5173	5209	1	4	2	3	4	Darker grey hbl-bi-gn., foliated fine-mdgr., with 1 cm wide qz-fldsp veins at 5184, 5199	77
5209	5211	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 4896-4980	72
5211	5213	4	2	3	2		Qz-flsp vein, deformed mdgr. light grey	
5213	5244	6	6	1	2		Amphibolite, moderately foliated finegr. black	
5244	5268	3	2	4	2		Pegmatite, deformed weakly foliated mdgr.-coarsegr. light grey	
5268	5280	1	4	1	3	4	Darker grey bi-gn., foliated finegr., with 2 cm wide qz-fldsp veins at 5273	
5280	5292	1	4	1	3		Darker grey bi-gn., foliated finegr.	69
5292	5333	1	2	2	3	1	Bi-gn.(granite), foliated light grey, with scattered 1-3 cm big fldsp porphyroblasts	69
5333	5380	6	6	1	3		Amphibolite, foliated finegr. black	77
5380	5392	6	6	1	3	4	Amphibolite, better foliated finegr. black, with qz-fldsp spots and veinlets	
5392	5409	1	4	2	3	4	Darker grey (hbl)-bi-gn., foliated fine-mdgr., with 1/2-1 cm wide qz-fldsp veins	66
5409	5413	4	1	3			Qz-flsp vein, mdgr. white grey	
5413	5431	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black	65
5431	5433	3	2	4			Pegmatitic vein, coarsegr. light grey	
5433	5445	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	
5445	5447	3	2	4			Pegmatitic vein, coarsegr. light grey	
5447	5473	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	70
5473	5478	3	2	4			Pegmatitic vein, coarsegr. light grey	
5478	5514	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	72
5514	5516	3	2	3	2		Pegmatitic vein, deformed mdgr. light grey	
5516	5569	6	6	2	3	6	Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431, with scattered pegmatitic veins. Vein in core parallel joint	84
5569	5572	7	6		4		Bi-rich amphibolitic rock, well-foliated blackish	
5572	5580	4	2	2			Qz-flsp veins, fine-mdgr. light grey, alternating with foliated bi-amphibolite	
5580	5632	6	6	2	3	7	Bi-bearing amphibolite, as 5413-5431. 1-2 cm wide irregular core parallel crack with vein filling of qz and greenish black chlorite?	76
5632	5635	3	2	3			Pegmatitic vein, mdgr. light greenish grey (chloritised)	
5635	5677	6	6	2	3	7	Bi-bearing amphibolite, as 5413-5431. 1-2 cm wide irregular core parallel crack with vein filling of qz and greenish black chlorite?	67
5677	5684	3	2	3		7	Pegmatitic vein, mdgr. light greenish grey (chloritised), with 1-2 cm big hbl (chloritised) grains. Thin qz-vein parallel to core axis	
5684	5784	6	6	2	3	6	Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431, with a few 1/2 cm wide pegmatitic veins	69(5714), 56(5768)
5784	5787	7	6	1	4		Amphibolitic rock, Sheared well-foliated finegr. green black. Some jointing	
5787	5858	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	68
5858	5868	3	2	3	3		Pegmatitic rock, foliated mdgr. light grey	72
5868	5881	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	
5881	5924	6	6	2	3	5	Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431, mixed with 50% coarse-mdgr. light grey pegmatitic material	
5924	5958	6	6	2	3	7	Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431, with discordant crack with qz-fldsp filling at 5930-5940	73
5958	5968	3	2	4	1		Pegmatite, non-foliated coarsegr. light grey	
5968	6009	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	72, 67
6009	6011	3	1				Pegmatitic vein, whitish grey	
6011	6035	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	66
6035	6036	3	1	3			Pegmatitic vein, mdgr. white grey, with dark rims	
6036	6113	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	74
6113	6121	3	2	3	1		Pegmatite, non-foliated mdgr. light grey, with 2 cm big hbl (chloritised) grains.	
6121	6134	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	
6134	6138	3	1	3			Pegmatitic material, coarse-mdgr. white grey, in bi-amphibolite	

6138	6179	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	68
6179	6187	3	1	3			Pegmatitic material, coarse-mdgr. white grey, in bi-amphibolite	
6187	6216	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 5413-5431	67
6216	6235	1	3	1	3	4	Grey bi-gn., foliated finegr., with plenty of mdgr. light grey qz-fldsp veins (anatexis)	71
6235	6274	3	1	4	1		Pegmatite, non-foliated coarsegr. whitish grey	
6274	6319	9	3	2	3	1	Porphyritic bi-gn. granitoid, foliated fine-mdgr. grey, with scattered 1-cm long recrystallised fldsp porphyroblasts	67
6319	6323	4	1	2			Qz-fldsp rock, fine-mdgr. white grey	
6323	6418	8	2	2	3	9	Porphyritic bi-gn. granite(granitoid), foliated fine-mdgr. light grey, with 1-3 cm long white grey recrystallised fldsp porphyroblasts	63
6418	6426	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish	
6426	6429	1	3	1	3	4	Grey bi-gn., foliated finegr., with 1 cm wide light grey qz-fldsp vein	
6429	6431	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish as 6418-6426	
6431	6433	4	2	3			Qz-fldsp vein, mdgr. light grey	
6433	6436	6	6	1	3		Bi-bearing amphibolite, foliated finegr. blackish as 6418-6426	
6436	6455	8	2	2	3	9	Porphyritic bi-gn. granite(granitoid), foliated fine-mdgr. light grey, with white grey recrystallised fldsp porphyroblasts as 6323-6418	68
6455	6462	4	1	2	2		Qz-fldsp vein, weakly foliated fine-mdgr. white grey	
6462	6469	6	5	2			Bi-bearing amphibolite, fine-mdgr. dark grey	
6469	6477	8	2	2	3	9	Porphyritic bi-gn. granite(granitoid), foliated fine-mdgr. light grey, with white grey recrystallised fldsp porphyroblasts as 6323-6418	
6477	6489	1	5	1	3		Dark grey amphibolitic hbl-bi-gn., foliated finegr.	62
6489	6506	1	5	1	3	4	Dark grey amphibolitic hbl-bi-gn., foliated finegr. as 6477-6489, with plenty (70%) of qz-fldsp veins	
6506	6522	1	5	2	3		Dark grey hbl-bi-gn., foliated fine-mdgr.	50
6522	6524	3	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey	
6524	6526	1	5	2	3		Dark grey amphibolitic bi-hbl-gn., foliated fine-mdgr.	
6526	6530	6	6	2			Bi-bearing amphibolite, fine-mdgr. blackish grey	
6530	6534	3	2	3			Pegmatitic vein, mdgr. light grey, with pods of bi-amphibolite	
6534	6537	6	6	2			Bi-bearing amphibolite, fine-mdgr. blackish grey as 6526-6530	
6537	6548	9	3	2	3	9	Porphyritic bi-gn.(granitoid), foliated fine-mdgr. grey, with stretched recrystallised fldsp porphyroblasts	69
6548	6564	4	2	3			Qz-fldsp material, finegr. to mdgr. light grey, with stripes of grey bi-gn.(granitoid)	
6564	6587	9	2	2	3	9	Porphyritic bi-gn.(granitoid), foliated fine-mdgr. light grey, with stretched recrystallised fldsp porphyroblasts. Similar to 6323-6418	58
6587	6598	1	3	1		4	Grey bi-gn., finegr., with scattered qz-fldsp pods	
6598	6605	3	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey, with stripes of grey bi-gn.	
6605	6626	9	2	2	3	6	Porphyritic bi-gn.(granitoid), as 6564-6587, with 5x 1-1 1/2 cm wide whitish grey pegmatitic veins	68
6626	6654	6	6	2	2	4	Bi-bearing amphibolite, moderately foliated fine-mdgr. blackish grey, with 1/2 cm wide qz-fldsp vein at 6653	
6654	6659	9	2	2	3	9	Porphyritic bi-gn.(granitoid), as 6605-6626	61
6659	6665	6	6	2	3	4	Bi-bearing amphibolite, foliated fine-mdgr. blackish grey, with 2x 1 cm wide qz-fldsp veins	
6665	6677	9	2	2	3	9	Porphyritic bi-gn.(granitoid), foliated fine-mdgr. light grey, with stretched recrystallised fldsp porphyroblasts. As 6564-6587	62
6677	6682	6	6	2	3	4	Bi-bearing amphibolite, foliated fine-mdgr. greyish black, with 1 cm wide qz-fldsp vein	
6682	6687	4	2	2			Qz-fldsp vein, fine-mdgr. light grey, with stripes of amphibolite	
6687	6719	6	6	2	3		Bi-bearing amphibolite, foliated fine-mdgr. greyish black as 6677-6687	61
6719	6731	4	2	3	2		Qz-fldsp vein, weakly foliated mdgr. light grey, with 1/2-2 cm big hbl (chloritised?) grains	
6731	6796	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish	76
6796	6797	3			2		Pegmatitic vein, deformed	
6797	6836	6	6	2	3	4	Amphibolite, foliated fine-mdgr. blackish as 6731-6796, with a few 5 mm wide qz-fldsp veins	66
6836	6844	4	1	2			Qz-fldsp vein, fine-mdgr. whitish grey, in amphibolite	
6844	6895	6	6	2	3	4	Amphibolite, foliated fine-mdgr. blackish as 6731-6796, with a few 5 mm wide qz-fldsp veins	77
6895	6900	3	1	4			Pegmatite, coarsegr. white grey	
6900	6995	6	6	2	3		Amphibolite, foliated fine-mdgr. blackish as 6731-6796	68(6955)
6995	7011	1	3	2	3		Grey bi-gn., foliated fine-mdgr.	
7011	7017	4	2	2	3		Qz-fldsp rock, foliated fine-mdgr. light grey	
7017	7039	1	3	2	3		Grey bi-gn., foliated fine-mdgr.	83
7039	7056	3	2	3	2		Pegmatite, deformed mdgr. light grey, with stripes of grey bi-gn.	
7056	7090	9	3	2	3	2, 9	Porphyritic bi-gn.granitoid, foliated fine-mdgr. grey, with 5-10 mm long stretched recrystallised diffuse fldsp porphyroblasts	64

7090	7106	3	2	3	2		Pegmatite, deformed mdgr. light grey, with stripes of grey bi-gn. as 7039-7056	
7106	7109	9	3	2	3	2, 9	Porphyritic bi-gn.granitoid, foliated fine-mdgr. grey, with 5-10 mm long stretched recrystallised diffuse fldsp porphyroblasts	
7109	7111	4	1	3			Qz-fldsp vein, mdgr. white grey	
7111	7130	9	3	2	3	2, 9	Porphyritic bi-gn.granitoid, foliated fine-mdgr. grey, with 3-10 mm long stretched recrystallised fldsp porphyroblasts as 7056-7090	70
7130	7134	4	1	3			Qz-fldsp vein, mdgr. white grey	
7134	7180	9	3	2	3	2, 9	Porphyritic bi-gn.granitoid, foliated fine-mdgr. grey, with 3-10 mm long stretched recrystallised fldsp porphyroblasts as 7056-7090	81
7180	7183	4	1	3			Qz-fldsp vein, mdgr. white grey	
7183	7274	8	2	2	2	2, 9	Porphyritic bi-gn.granite, moderately foliated fine-mdgr. lighter grey, with 5 mm long stretched recrystallised fldsp porphyroblasts	77
7274	7283	3	1	3	2		Pegmatite, deformed mdgr. white grey	
7283	7349	8	2	2	2	2, 9	Porphyritic bi-gn.granite, moderately foliated fine-mdgr. lighter grey, with 5 mm long stretched recrystallised fldsp porphyroblasts	
7349	7388	1	3	3	3	8, 1	Grey bi-gn., inhom. foliated finegr. lighter grey, with a few recrystallised fldsp porphyroblastic spots	60
7388	7460	1	3	1	4	1	Grey bi-gn.(sheared granitoid?), foliated to well-foliated finegr. lighter grey, with a few 1-3 mm long fldsp porphyroblasts	54

End of drill core: 7460 cm

AMROCK - Espevik 2002 BH 3

Logged by Mogens Marker, January 2002

From	To	Rock	Colour	Grain size	Foliation	Other	Description	Foliation related to core axis
0	247						Soil (no core)	
247	258	8	3	1	4	9	Porphyritic bi-gn.granite, well-foliated finegr. light grey with diffuse white grey recryst. fine-mdgr. stretched fldsp porphyroblasts	28
258	284	1	3	1	4	2	(Darker) grey bi-gn. (sheared bi-gn.granite?), well-foliated finegr. with 2-7 mm long fldsp porphyroclasts	34
284	317	8	3	1	4	9	Porphyritic bi-gn.granite, well-foliated finegr. light grey with diffuse white grey recryst. fine-mdgr. stretched fldsp porphyroblasts	18
317	368	9	3	1	4	3	Grey bi-gn.(granite?), well-foliated finegr. mylonitic, rich in 2-15 mm long flat lens-shaped fldsp porphyroclasts	35
368	384	1	4	1	3	2	Darker grey bi-gn., foliated finegr. with tiny fldsp porphyroblasts	
384	421	1	4	1	3	2, 5	Darker grey bi-gn., foliated finegr. with tiny fldsp porphyroblasts as 368-384, but rich in pegmatitic and qz-vein material	
421	456	1	3	2	5		Grey bi-gn., well-foliated (sheared) fine-mdgr.	50
456	459	4	2		5	2	Qz-fldsp material, sheared porphyroblastic	
459	480	1	3	2	5		Grey bi-gn., well-foliated (sheared) fine-mdgr. as 421-456	
480	522	1	3	1	5	8	Grey bi-gn., inhom. foliated finegr. sheared	43
522	524	4	2	3			Qz-fldsp vein, mdgr. whitish grey	
524	544	1	4	2	3	1	Darker grey bi-gn., foliated fine-mdgr., with scattered 1-2 mm fldsp porphyroblasts	39
544	552	4	2				Qz-fldsp material, deformed light grey	
552	565	1	4	2	3	1	Darker grey bi-gn., foliated fine-mdgr., with scattered 1-2 mm fldsp porphyroblasts as 524-544	
565	586	3	1		3		Pegmatitic material in grey bi-gn., deformed foliated	
586	590	1	4	2	3	1	Darker grey bi-gn., foliated fine-mdgr., with scattered 1-2 mm fldsp porphyroblasts as 552-565	
590	624	3	2	2	3		Pegmatitic material in grey bi-gn., deformed foliated recryst. fine-mdgr.	42
624	630	6	6	1	4		Amphibolite, bi-rich, well-foliated finegr. blackish	50
630	673	1	3	2	3	4	Grey bi-gn., foliated finegr. to fine-mdgr. 1 cm wide anatectic vein at 651	48
673	676	4	1	3			Qz-fldsp vein (anatectic), mdgr. whitish grey	
676	690	1	3	1	4		(Darker) grey bi-gn., well-foliated finegr.	62
690	702	3	2	3	3		Pegmatitic/qz-fldsp material, deformed foliated light grey recryst. fine-mdgr. to mdgr.	
702	735	1	4	1	4		Darker grey bi-gn., well-foliated finegr. as 676-690	40
735	740	4	1	2			Qz-fldsp material, deformed whitish grey recryst. fine-mdgr.	Folded
740	761	1	4	1	4	5	Darker grey bi-gn., well-foliated finegr. as 702-735, with scattered sheared pegmatitic material	
761	778	3	1		2	7	Pegmatitic material, deformed whitish grey, with patches of finegr. grey bi-gn. With some qz-veins	
778	874	1	4	2	3	4	Darker grey bi-gn., foliated finegr. to fine-mdgr., with veins (scattered) of white grey qz-fldsp material	40, folded
874	877	4	1	2			Qz-fldsp vein, fine-mdgr. whitish grey	
877	892	1	3	1	3		Grey bi-gn., foliated finegr.	37
892	917	1	4	1	4	4	Dark grey bi-gn., well-foliated finegr., with light grey qz-fldsp veins and veinlets	48
917	1003	1	3	1	3	4	(Darker) grey bi-gn., foliated finegr., with a few thin light grey qz-fldsp veins	40 - 14
1003	1005	4	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey	
1005	1043	1	3	1	4	4	Grey to darker grey bi-gn., well-foliated finegr. as 917-1003, with 1 cm wide sheared light grey qz-fldsp veins at 1019, 1021, 1028	39, 39
1043	1082	3	2	2	4		Qz-fldsp rock (pegmatite), well-foliated sheared-mylonitic fine-mdgr. light grey, with stripes of finegr. dark grey bi-gn.	40
1082	1211	1	3	1	3	4	(Darker) grey bi-gn., foliated finegr., with sheared 1/2 cm wide qz-fldsp veins at 1107, 1110	42(1115)
1211	1282	1	3	1	2	8	Grey bi-gn., inhom. with diffuse lighter grey patches, weakly foliated finegr. Jointed between 1234 and 1251	
1282	1408	1	3	1	2		Grey bi-gn., weakly foliated finegr. Almost no qz-fldsp vein material	30(1323)
1408	1563	1	3	2	3	4	Grey bi-gn., foliated fine-mdgr., with scattered folded qz-fldsp veinlets	All folded
1563	1600	9	3	2	2	3	Porphyritic bi-gn.granitoid, weakly foliated finegr. to mdgr. (darker) grey, rich in 2-5 mm big fldsp porphyroblasts	
1600	1666	1	3	1	3		Grey laminated bi-gn. (special type), foliated finegr. uniform	Strongly small-folded
1666	1750	9	3	2	2	3	Porphyritic bi-gn.granitoid, weakly foliated fine-mdgr. (darker) grey, rich in 2-5 mm big fldsp porphyroblasts as 1563-1600	
1750	1760	4	2	1	5		Qz-fldsp material, well-foliated sheared finegr. light grey	61
1760	1873	9	3	2	2	3	Porphyritic bi-gn.granitoid, weakly foliated fine-mdgr. (darker) grey as 1563-1600. Inhom. with a few patches of grey bi-gn.	
1873	1891	1	4	1	3		Darker grey bi-gn., foliated finegr.	38
1891	1904	9	3	2	2	3	Porphyritic bi-gn.granitoid, weakly foliated fine-mdgr. (darker) grey, rich in 2-5 mm big fldsp porphyroblasts as 1760-1873	
1904	1910	1	2	2	3		Light grey bi-gn/qz-fldsp rock, foliated fine-mdgr.	55
1910	1963	9	3	2	2	3	Porphyritic bi-gn.granitoid, weakly foliated fine-mdgr. (darker) grey, rich in 2-5 mm big fldsp porphyroblasts as 1760-1873	
1963	1974	9	3	2	5	3	Porphyritic bi-gn.granitoid, fine-mdgr. (darker) grey as 1760-1873, but well-foliated/sheared	62
1974	1989	1	4	1	3		Darker grey bi-gn., foliated finegr.	

1989	2008	1	4	1	3	5	Darker grey bi-gn., foliated finegr. as 1974-1989, but with plenty of deformed fine-mdgr. qz-fldsp material. Joint parallel to core	
2008	2023	1	4	1	3		Darker grey bi-gn., foliated finegr.	25
2023	2046	1	5	2	2	5	Dark grey bi-gn. (+hbl?), weakly foliated fine-mdgr., with diffuse qz-fldsp material.	
2046	2060	4	2	2	2		Qz-fldsp material, deformed weakly foliated fine-mdgr. light grey, with grey bi-gn. patches	
2060	2089	1	3	1	3		Grey to darker grey bi-gn., foliated finegr.	45
2089	2091	4	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey	Folded
2091	2100	1	3	1	3		Grey to darker grey bi-gn., foliated finegr. as 2060-2089	50
2100	2162	1	3	1	3	4	Grey to darker grey bi-gn., foliated finegr., with scattered qz-fldsp pods	Open fold closure
2162	2164	4	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey as 2089-2091	41
2164	2387	1	3	1	3		Grey bi-gn., foliated finegr. Joint almost parallel to core axis	43(2215), 44(2356)
2387	2477	1	3	1	3	8, 4	Grey to darker grey bi-gn., inhom. foliated finegr., with plenty of deformed qz-fldsp vein material. Jointed ca. parallel to core axis	Openly folded
2477	2523	1	3	1	3		Grey bi-gn., foliated finegr.	22
2523	2600	7	6	2	3		Greenish black grey bi-rich bi-hbl-rock, foliated fine-mdgr. with plenty of diffuse lighter grey veinlets. Jointed	Folded, 46
2600	2720	9	3	2	2	2	Porphyritic bi-gn.granitoid, weakly foliated finegr. to fine-mdgr. grey, with variable content of 1-6 mm big fldsp porphyroblasts	Folded, 32
2720	2823	1	3	2	2	1	Grey bi-gn.(granite?), moderately foliated fine-mdgr., with scattered 1-3 mm fldsp porphyroblasts	30, 19
2823	2860	1	3	2	3		Grey bi-gn., rather laminated foliated fine-mdgr.	Small-folded
2860	2962	9	3	2	2	2	Porphyritic bi-gn.granitoid, weakly foliated (better foliated in lower part) fine-mdgr. grey, with 1-4 mm big fldsp porphyroblasts	48, 43
2962	2999	4	2	1	4		Qz-fldsp material, well-foliated finegr. light grey, with thin layers of porphyritic bi-gn.granitoid as 2860-2962	Folded
2999	3056	9	3	2	3	2	Porphyritic bi-gn.granitoid, foliated fine-mdgr. grey, with 1-6 mm big fldsp porphyroblasts. Quite inhom. with foliated qz-fldsp pods	Folded
3056	3091	4	2	1	4		Qz-fldsp material, well-foliated finegr. light grey, with subordinate layers of porphyritic bi-gn.granitoid as 2860-2962	Folded
3091	3100	2	2	2	3		Bi-gn.granite, foliated fine-mdgr. light grey spotted-stripped	55
3100	3114	4	2	1	4		Qz-fldsp material, well-foliated finegr. light grey as 2962-2999	
3114	3133	9	3	2	3	2	Porphyritic bi-gn.granitoid, foliated fine-mdgr. grey, with stretched 1-5 mm long fldsp porphyroblasts	41
3133	3205	2	2		9	9	Porphyritic bi-gn.granite, foliated finegr. light grey, flamed with stretched recrystallised fldsp porphyroblasts	40
3205	3284	1	4	1	3	2, 4	Darker grey bi-gn.(granitoid?), foliated finegr., with flattened fldsp porphyroblasts. With finegr. light grey qz-fldsp veins	Folded
3284	3341	4	2	1	2		Qz-fldsp rock, weakly foliated recrystallised finegr. light grey, with stripes of 'grey gn.' material	Folded
3341	3570	1	4	2	3	1	(Darker) grey bi-gn.(granitoid??), foliated fine-mdgr., with scattered 1-2 mm fldsp porphyroblasts	Folded, 35(3431), 44(3491)
3570	3574	3	1		2		Pegmatite vein, deformed white grey	
3574	3652	1	4	2	3	1	(Darker) grey bi-gn.(granitoid??), foliated fine-mdgr., with scattered 1-2 mm fldsp porphyroblasts as 3341-3570	18
3652	3667	7	6	1	3		Bi-rich amphibolitic rock, foliated finegr. blackish grey	42
3667	3730	1	3	2	3		Grey bi-gn. (sheared granulite??), foliated fine-mdgr., with scattered small lighter coloured stripes	40
3730	3744	1	2	1	4		Light grey bi-gn., well-foliated finegr.	35
3744	3788	7	6	2	3		Bi-rich amphibolitic rock, foliated finegr. to fine-mdgr. dark to blackish grey, with diffuse light grey qz-fldsp veinlets (as 2523-2600)	28
3788	3798	1	2	1	3		Light grey bi-gn., foliated finegr., folded with bi-rich amphibolitic rock as 3744-3788	Folded
3798	3900	7	6	2	3		Cracked and jointed bi-rich amphibolitic rock as 3744-3788 (also with qz-fldsp veinlets)	41
3900	4033	1	4	2	3	2, 8	Darker grey bi-gn. (granitoid??), inhom. foliated finegr. to fine-mdgr., with light grey qz-fldsp veinlets and pods. Fldsp porphyrobl.	32, folded
4033	4103	1	4	1	3	4	Darker grey bi-gn., foliated finegr., with folded 1 cm wide bands of white grey qz-fldsp rock and amphibolite	Folded
4103	4125	1	3	1	4	4	Grey bi-gn., well-foliated finegr., with folded finegr. light grey qz-fldsp veinlets	36
4125	4130	1	5				Dark grey amphibolitic bi-gn., finely spotted bi-rich	
4130	4137	3	1	1			Pegmatite vein, folded recrystallised finegr. white grey	
4137	4175	1	5	1	3	4	Dark to blackish grey 'amphibolitic' bi-gn., foliated finegr., densely veined by light-coloured veins	40, small-folded
4175	4179	4	2	1	3		Qz-fldsp rock, band, foliated finegr. light grey	21
4179	4189	1	5				Blackish grey 'amphibolitic' bi-gn., finely spotted bi-rich as 4125-4130	Folded
4189	4271	1	2	1	3		Light grey bi-gn. (qz-feldspatic), foliated finegr., folded with 1-2 cm wide bands of bi-rich amphibolite	Folded
4271	4288	1	5	1	3	4	Dark to blackish grey 'amphibolitic' bi-gn., foliated finegr., densely veined by light-coloured veins, as 4137-4175	Folded
4288	4339	1	2	1	3		Light grey bi-gn., foliated finegr.	Folded, 48
4339	4403	1	3	2	3	2	Grey bi-gn., foliated fine-mdgr., with variable content of 1-3 mm long fldsp porphyroblasts	39, small-folded
4403	4412	1	2	1	3		Light grey bi-gn., foliated finegr. as 4288-4339	39
4412	4428	1	3	2	3	2	Grey bi-gn., foliated fine-mdgr., with variable content of 1-3 mm long fldsp porphyroblasts as 4339-4403	45
4428	4433	1	2	1	3		Light grey bi-gn., foliated finegr. as 4288-4339	
4433	4435	4	1	1			Qz-fldsp vein, finegr. white grey	
4435	4611	1	3	1	4	4	Grey bi-gn., well-foliated finegr., with a few 1 cm wide light grey qz-fldsp veins	40(4456), 34(4562), local folds

4611	4617	4	2	2			Qz-fldsp vein (anatectic with dark rims), fine-mdgr. light grey	
4617	4729	1	2	1	4		Grey bi-gn., well-foliated finegr. as 4435-4611, with local more dark greyish laminated bands	44(4675), 40(4722), local folds
4729	4743	3	2	2	2		Pegmatite, deformed recrystallised fine-mdgr. light grey	
4743	4859	1	3	1	4	4	Grey bi-gn., well-foliated finegr. as 4435-4611, with scattered 1 cm wide light grey qz-fldsp veins	42(4768), 42(4835)
4859	4862	3	2	2	2		Pegmatite, deformed recrystallised fine-mdgr. light grey as 4729-4743	
4862	4933	1	3	1	4		Grey bi-gn., well-foliated finegr., locally slightly darker more striped bands	55(4884), 56(4921)
4933	4936	5	1	1			Qz vein, finegr. whitish	
4936	4943	8	2			9	Porphyritic bi-gn. granite, light grey, recrystallised spotted	
4943	4977	1	3	1	4	4	Grey bi-gn., well-foliated finegr. Qz-fldsp veins at 4965-4968	60
4977	4978	4	1	1			Qz-fldsp vein, finegr. whitish grey	
4978	4997	1	3	1	4	4	Grey bi-gn., inhom. well-foliated finegr. as 4943-4977, with scattered qz-fldsp spots	60
4997	5002	1	5	1	3		Dark grey bi-gn., foliated finegr.	
5002	5016	4	2	1	3		Qz-fldsp rock, foliated finegr. light grey	
5016	5020	1	5	1	3	4	Dark grey bi-gn., foliated finegr., with 1 cm qz-fldsp vein	51
5020	5030	1	2	1	4		Light grey bi-gn., well-foliated finegr.	
5030	5047	1	4	1	4		Darker grey bi-gn., well-foliated finegr.	64
5047	5065	1	3	1	4	1	Grey bi-gn., well-foliated finegr., with scattered 1-2 mm fldsp porphyroblasts	56
5065	5139	8	3	2	2	9	Porphyritic bi-gn. granite, weakly foliated fine-mdgr. grey, with 3-10 mm big recrystallised fldsp porphyroblasts	
5139	5149	4	1	2	2		Qz-fldsp vein, deformed fine-mdgr. whitish grey, in grey bi-gn	
5149	5166	1	3	1	4	4	Grey bi-gn., well-foliated finegr., with plenty of thin qz-fldsp veinlets	46
5166	5168	4	1	2	3		Qz-fldsp vein, foliated fine-mdgr. whitish grey, anatectic	
5168	5176	1	3	1	3		Grey bi-gn., foliated finegr.	
5176	5189	4	1	2			Qz-fldsp vein, fine-mdgr. whitish grey, in fold closure	Fold closure
5189	5205	1	3	1	3		Grey bi-gn., foliated finegr. as 5168-5176	
5205	5220	1	3	1	4	4	Grey bi-gn., well-foliated finegr., with plenty of thin qz-fldsp veinlets as 5149-5166	56
5220	5224	6	6	1	4		Bi-rich amphibolite, well-foliated finegr. blackish, with layer of finegr. grey bi-gn.	
5224	5266	1	3	1	4		Grey bi-gn., diffusely laminated well-foliated finegr.	Small-folded, 40
5266	5269	4	2		3		Qz-fldsp vein, deformed foliated light grey	37
5269	5300	1	3	1	4		Grey bi-gn., well-foliated finegr.	43
5300	5305	4	2	1	3		Qz-fldsp vein, foliated finegr. light grey	
5305	5356	1	3	1	4		Grey bi-gn., well-foliated finegr. as 5269-5300	27
5356	5357	4	2	1	3		Qz-fldsp vein, foliated finegr. light grey	
5357	5368	1	3	1	4		Grey bi-gn., well-foliated finegr. as 5305-5356	
5368	5377	6	6	1	3		Bi-rich amphibolite, foliated finegr. blackish, folded with finegr. grey bi-gn.	Fold closure
5377	5382	1	3	1	4		Grey bi-gn., well-foliated finegr. as 5305-5356	
5382	5383	6	6	1	4		Bi-rich amphibolite, well-foliated finegr. blackish grey	39
5383	5412	1	3	1	4		Grey bi-gn., well-foliated finegr. as 5305-5356	
5412	5423	1	3	1	4		Grey bi-gn., well-foliated finegr. as 5305-5356, folded with blackish bi-rich amphibolite	Folded
5423	5434	1	3	1	3	4	Grey bi-gn., foliated finegr., with 3x 1 cm wide qz-fldsp veins (anatectic)	37
5434	5437	1	5	1	3		Dark grey bi-gn., foliated finegr., rather amphibolitic	29
5437	5448	1	3	1	3	4	Grey bi-gn., foliated finegr., with a 1 cm wide qz-fldsp veins (anatectic)	
5448	5451	1	5	1	3	4	Dark grey bi-gn., foliated finegr., rather amphibolitic as 5434-5437, with a 1/2 cm wide layer of qz-fldsp material	38
5451	5462	1	3	1	3		Grey bi-gn., foliated finegr.	
5462	5463	1	5	1	3		Dark grey bi-gn., foliated finegr., rather amphibolitic as 5434-5437	37
5463	5522	1	4	1	3		(Darker) grey bi-gn., foliated finegr., with 2-3x 1-3 cm wide blackish amphibolitic bands	Open folding
5522	5538	1	3	1	4		Grey bi-gn., well-foliated finegr.	36
5538	5585	1	4	1	3		(Darker) grey bi-gn., foliated finegr.	30
5585	5592	1	2				Light grey bi-gn., 2 cm wide band in (darker) grey bi-gn.	12
5592	5637	1	3	1	3	4	Grey bi-gn., foliated finegr., with a few thin qz-fldsp veins	14
5637	5653	1	3	1	4		Grey bi-gn., diffusely laminated well-foliated finegr. as 5149-5166	19, small-folded
5653	5689	1	3	1	3		Grey bi-gn., foliated finegr.	21
5689	5696	1	4	1	3		Darker grey bi-gn., foliated finegr.	

5696	5712	1	3	1	3	Grey bi-gn., foliated finegr., with two layers of amphibolitic dark grey bi-gn.	Folded
5712	5719	1	5	1	3	Dark grey bi-gn., foliated finegr.	
5719	5723	1	3	1	4	Grey bi-gn., well-foliated finegr., with two thin layers of dark grey bi-gn.	31
5723	5759	1	3	1	4	Grey bi-gn., well-foliated finegr.	
5759	5904	1	4	1	4	(Darker) grey bi-gn., well-foliated finegr.	17(5788), 7(5855)
5904	5980	1	3	1	4	Grey bi-gn., well-foliated finegr. as 5723-5759 in big gentle fold closure	Gentle fold closure, 6
5980	6040	1	3	1	4	(Darker) grey bi-gn., well-foliated finegr. with grey bi-gn. in large gentle fold closure	Gentle fold closure, 11
6040	6071	1	3	1	3	Grey bi-gn., foliated finegr.	21
6071	6115	1	3	1	3	Grey bi-gn., foliated finegr. with 2-3 cm wide blackish amphibolitic layers. Jointed	Gentle fold, 25
6115	6212	1	3	1	3	Grey bi-gn., foliated finegr., gentle fold flexure	Flexure, 25 to 0
6212	6259	6	6	1	3	Bi-rich amphibolite, foliated finegr. blackish grey, with plenty of qz-fldsp veinlets. As 15 cm wide layer	Small-folded
6259	6280	1	3	1	3	Grey bi-gn., foliated finegr. with 1 cm wide bands of dark grey amphibolitic bi-gn.	Openly folded
6280	6386	1	3	1	4	Grey bi-gn., well-foliated finegr.	7 to 18
6386	6424	1	4	1	3	Darker grey bi-gn., foliated finegr., with bands of amphibolitic bi-gn. and grey bi-gn.	Small folded, 19
6424	6447	1	3	1	4	Grey bi-gn., well-foliated finegr.	22
6447	6457	6	6	1	3	4 Bi-rich amphibolite, foliated finegr. blackish grey, with plenty of qz-fldsp veinlets	22
6457	6519	1	3	1	3	Grey bi-gn., foliated finegr. with 5x 1/2 cm wide bands of blackish bi-rich amphibolite	11
6519	6584	1	3	1	3	Grey bi-gn., diffusely laminated foliated finegr.	11, small-folded
6584	6660	1	3	1	3	Grey bi-gn., diffusely laminated foliated finegr., with a 1/2 cm wide layer of bi-rich amphibolite. Jointed along core axis	0, openly folded
6660	6710	1	3	1	4	Grey bi-gn., well-foliated finegr.	15 to 0
6710	6715	6	6			bi-amphibolite, 1 1/2 cm wide layer in grey bi-gn.	14
6715	6751	1	3	1	4	Grey bi-gn., well-foliated finegr. as 6660-6710	
6751	6800	1	3	1	4	Grey bi-gn., well-foliated finegr. as 6660-6710 with boundary to foliated finegr. blackish bi-amphibolite with light grey veinlets	0, small-folded
6800	6862	6	6	1	3	Amphibolite, foliated finegr. blackish grey, with light grey qz-fldsp veinlets in upper part	Small-folded, 22
6862	7100	1	2	1	3	Light grey bi-gn., foliated finegr., no veins	17(6875), 6(6940), 0(7040), 0(7090)
7100	7300	1	2	1	3	Light grey bi-gn., foliated finegr., no veins	3(7135), 0(7185), 1(7250)
7300	7500	1	2	1	3	Light grey bi-gn., foliated finegr., no veins	2(7340), 0(7380), 0(7420), 0(7480)
7500	7628	1	2	1	3	Light grey bi-gn., foliated finegr., no veins	0(7520), 2(7575), 10(7620)
7628	7688	1	2	1	3	4 Light grey bi-gn., foliated finegr., with scattered 1/2 cm wide qz-fldsp veins parallel to foliation	5(7670), 5(7680)
7688	7868	1	2	1	3	Light grey bi-gn., foliated finegr., no veins	0(7725), 3(7885), 5(7827)
7868	7952	1	2	1	3	1 Light grey bi-gn., foliated finegr., with a few 1-4 mm big fldsp porphyroblasts	0(7880), 10(7930)
7952	7956	3	1		2	Pegmatitic material, deformed white grey in light grey bi-gn.	
7956	7971	1	2	1	3	Light grey bi-gn., foliated finegr.	Gently folded, 24
7971	7987	3	2		2	Pegmatite, deformed light grey	
7987	7998	1	2	1	3	Light grey bi-gn., foliated finegr. as 7956-7971	13
7998	8026	1	2	1	3	4 Light grey bi-gn., foliated finegr. as 7956-7971, gently folded along core axis with 1-2 cm wide qz-fldsp veins	0, gently folded
8026	8065	1	2	1	4	Light grey bi-gn., diffusely laminated well-foliated finegr.	12
8065	8098	1	5	1	3	Dark grey bi-gn., foliated finegr.	
8098	8145	1	5	1	3	Dark grey bi-gn., foliated finegr., gently folded along core axis with finegr. grey bi-gn	Gently folded
8145	8356	1	2	1	3	Light grey bi-gn., foliated finegr., very gently folded	0(8164), 1(8220), 0(8290)
8356	8369	1	2	1	3	4, 7 Light grey bi-gn., foliated finegr., with thin qz-fldsp and qz veins	Gently folded
8369	8400	1	2	1	3	Light grey bi-gn., foliated finegr. as 8145-8356, rather diffusely laminated	7
8400	8423	1	2	1	3	Light grey bi-gn., foliated finegr. as 8145-8356, with a 1 cm thick bi-rich amphibolitic layer folded isoclinally	Isoclinal fold
8423	8535	1	2	1	4	Light grey bi-gn., diffusely laminated well-foliated finegr.	12(8470), 13(8520)
8535	8539	4	2	1	3	Qz-fldsp vein, foliated finegr. light grey	18
8539	8755	1	3	1	4	4 Grey bi-gn., well-foliated finegr., locally diffusely laminated, with 1 cm wide qz-fldsp veins at 8571, 8672	16(8585), 11(8655)
8755	8775	1	3	1	4	4 Grey bi-gn., well-foliated finegr., with light grey qz-fldsp veins	Gently folded
8775	8847	1	3	1	3	Grey bi-gn., foliated finegr.	18
8847	8855	1	3	1	3	4 Grey bi-gn., foliated finegr., with 5 cm wide wedge-shaped white grey qz-fldsp vein	
8855	8885	1	3	1	3	Grey bi-gn., foliated finegr., finely diffusely laminated	25
8885	8924	4	1	1	3	Qz-fldsp rock (qz-rich), foliated finegr. whitish grey, with stripes of grey bi-gn.	27
8924	9025	1	3	1	3	4 Grey bi-gn., foliated finegr., finely diffusely laminated as 8855-8885, foliated finegr. whitish grey vein material at 8951-63, 9011-16	21, openly folded

9025	9036	4	1	1	2		Qz-fldsp vein (qz-rich), weakly foliated finegr.	
9036	9100	1	3	1	3	1, 4	Grey bi-gn., foliated finegr., finely diffusely laminated. A few 2-3 cm big fldsp porphyroblasts. White grey vein material at 9040-50	7
9100	9129	1	3	1	3	4	Grey bi-gn., foliated finegr., finely diffusely laminated, with plenty of deformed qz-rich qz-fldsp material	
9129	9256	1	3	2	3		Grey bi-gn., foliated finegr. to fine-mdgr., with little qz-fldsp material	14(9175), 21(9240)
9256	9286	1	3	1	3		Grey bi-gn., foliated finegr., finely diffusely laminated as 9100-9129	Gently folded
9286	9439	1	4	1	3		Darker grey bi-gn., foliated finegr., gently folded with finegr. grey bi-gn from 9419	0(9330), 5(9375)
9439	9672	1	3	1	3		Grey bi-gn., foliated finegr., locally thinly diffusely striped. No veins	0(9475), 0(9585), small-folded, 19(9655)
9672	9729	6	6	1	2		Amphibolite, weakly foliated finegr. black	
9729	9751	4					Light grey vein folded with amphibolite	Folded
9751	9759	6	6	1	2	4	Amphibolite, weakly foliated finegr. black as 9672-9729, with a light coloured foliated vein	30
9759	9779	4	2	2			Qz-fldsp material, fine-mdgr. light grey, folded with amphibolite	Folded
9779	9790	6	6	1	2		Amphibolite, weakly foliated finegr. black as 9672-9729	38
9790	9800	4	2	2	2		Qz-fldsp material, deformed fine-mdgr. light grey, folded with amphibolite	Openly folded
9800	9822	1	3	1	3		Grey bi-gn., foliated finegr.	Fold closure
9822	9824	6	6	1	2		Amphibolite, weakly foliated finegr. black as 9672-9729	
9824	9832	4	2	2			Qz-fldsp material, fine-mdgr. light grey	
9832	9854	1	3	1	3		Grey bi-gn., foliated finegr. as 9800-9822	Folded
9854	9864	4	1		3		Qz-fldsp material, foliated whitish grey, mixed with grey bi-gn.	Folded
9864	9877	6	6	1	2		Amphibolite, weakly foliated finegr. black as 9672-9729	
9877	9894	4	1		3		Qz-fldsp material, foliated whitish grey	
9894	9913	1	3	1	3	4	Grey bi-gn., foliated finegr., with 50% finegr. white grey qz-fldsp material	Folded
9913	10000	1	3	1	4	4	Grey bi-gn., well-foliated finegr., with 2 cm wide qz-fldsp veins at 9976, 9986	24(9930), 24(9999)

End of drill core: 10000 cm

AMROCK - Espevik 2002 BH 5

Logged by Mogens Marker, January 2002

From	To	Rock	Colour	Grain size	Foliation	Other	Description	Foliation related to core axis
0	175						Soil (no core)	
175	470	8	2	3	3	9	Porphyritic bi-gn.granite, foliated mdgr. light grey with diffuse white grey recryst. fine-mdgr. stretched fldsp porph.blasts. Fractured	46(235), 46(287), 44(350), 40(450)
470	777	6	6	2	2		Striped homogeneous amphibolite, weakly foliated (but distinctly) fine-mdgr. greyish black (no veinlets)	30(477), 38(530), 37(625), 37(720), 30(756)
777	812	3	1	4	1		Pegmatite, whitish grey. Fractured with epidote on joint surfaces	
812	843	8	2	3	3	9	Porphyritic bi-gn.granite, foliated mdgr. light grey with diffuse recryst. fine-mdgr. stretched fldsp porphyroblasts as at 175-470	39
843	847	4	1	1	1		Aplitic vein, whitish grey finegr.	
847	869	8	2	3	3	7	Weakly porphyritic bi-gn.granite, foliated-stretched mdgr. light grey as at 812-843. With several qz-veins	
869	947	8	2	2	3	1	Scattered porphyritic bi-gn.granite, foliated fine-mdgr. light grey. More fine-mdgr. (flamed structure) and better foliated than at 175-470	35(887)
947	1174	8	2	3	3		Weakly porphyritic bi-gn.granite, foliated mdgr. light grey with diffuse stretched texture with bi in short stripes. Jointed at 1090-1137	37(990), 30(1036), 35(1150)
1174	1196	3	1				Pegmatite, deformed qz-rich. Jointed	
1196	1209	7	6	3	4		Black biotitic rock (+hbl?), well-foliated mdgr.	38
1209	1246	8	2	2	3		Scattered porphyritic bi-gn.granite, foliated fine-mdgr. light grey with flamed structure as 947-1174, but better foliated	32
1246	1296	8	2	2	3		Weakly porphyritic bi-gn.granite, foliated mdgr. light grey with diffuse stretched texture with bi in short stripes	26
1296	1300	5	1				Qz vein	
1300	1493	2	2	3	2		Bi-gn.granite, weakly foliated non-porph. mdgr. light grey. With scattered 2-4 mm spots of bi-aggregate. Joints at 1445, 1433, 1461	30(1361), 40(1435)
1493	1540	2	2	3	2		Bi-gn.granite, weakly foliated bi-spotted non-porph. mdgr. light grey as 1300-1493, but weathered and jointed	40
1540	1675	2	2	2	2		Bi-gn.granite, weakly foliated mdgr. light grey non-porph. with diffuse stretched texture, like 947-1174 but a little darker (more bi)	45
1675	1733	1	3	2	3	4	Grey bi-gn. (rather dispersed bi), foliated fine-mdgr. (even grained) with scattered 2-7 mm wide light grey qz-fldsp veins	45(1689), 21(1728)
1733	1753	1	3	2	3	4	Grey bi-gn., foliated fine-mdgr., same as 1675-1733, with plenty of finegr. light grey qz-fldsp vein material	
1753	1809	1	3	2	3	4	Grey bi-gn., foliated fine-mdgr. as 1675-1733, with light grey qz-fldsp vein at 1775-1777	31
1809	1830	3	2	2	3		Pegmatite, foliated grey sheared porphyroblastic with plenty of 3-8 mm long eye-shaped fldsp	35
1830	1895	1	3	2	3	4	Grey bi-gn., foliated fine-mdgr. (even grained) with scattered 2-7 mm wide light grey qz-fldsp veins as at 1675-1733	27, open fold?
1895	1900	4	2	3			Qz-fldsp material, mdgr. with two thin blackish bi-rich bands	
1900	1913	6	6	2			Amphibolite, fine-mdgr. black bi-bearing	52
1913	1941	3	2		3		Qz-rich pegmatite, foliated light grey similar to 1809-1830	48
1941	1981	6	6	2	2	6	Amphibolite, weakly foliated black bi-bearing as 1900-1913 with sheared pegmatitic veins	Open folding
1981	2047	2	3	2	3		Bi-gn.granite, foliated finegr. to fine-mdgr grey. (somewhat like bi-gn. at 1675-1733)	0-26, open folding
2047	2069	6	6		2		Amphibolite, weakly foliated blackish bi-bearing. Two mm-thick light grey veins	Folded
2069	2097	4	2	3			Qz-fldsp vein, mdgr. light grey. Jointed	
2097	2109	6	6		2		Amphibolite, foliated black bi-bearing similar to 2047-2069	30
2109	2147	4	2	3	5	2	Qz-fldsp vein, sheared foliated mdgr. light grey with porphyroblastic fldsp	36
2147	2156	6	6		3		Amphibolite, foliated striped black bi-bearing	
2156	2163	3	1		3		Pegmatitic vein, foliated whitish grey, with a 1/2 cm thick layer of amphibolite	31
2163	2165	6	6	3			Amphibolite, mdgr. black, intruded by pegmatite	
2165	2196	2	3	2	4	4	Bi-gn.granite, well-foliated fine-mdgr. grey with two thin light grey qz-fldsp veins	40
2196	2205	3	1				Pegmatite, deformed whitish grey	
2205	2227	6	6	2	3	5	Amphibolite, foliated striped fine-mdgr. blackish intruded by some pegmatitic material	47
2227	2290	4	2		3		Qz-fldsp rock, deformed light grey porphyroblastic with plenty of 2-4 mm fldsp porphyroblasts	Folded
2290	2343	2	4	2	3		Bi-gn.granite, foliated fine-mdgr. grey (somewhat dark). Well-foliated (sheared) towards qz-fldsp rock at 2227-2290	28(2297), 0(2320), 15(2343), gently folded
2343	2410	2	3	2	3		Bi-gn.granite, foliated fine-mdgr. (lighter) grey as at 1981-2047	16
2410	2442	1	5	2	2	4	Dark grey bi(+hbl?)-gn., weakly foliated striped fine-mdgr. with two 3-4 cm fine-mdgr. light grey qz-fldsp veins at 2411-19, 2425-30	30
2442	2499	2	3	2	2		Bi-gn.granite, weakly foliated somewhat diffusely spotted fine-mdgr. grey as at 2343-2410	21, open fold?
2499	2545	2	3	2	2		Bi-gn.granite, weakly foliated fine-mdgr. grey as at 2442-2499, with several 1/2-2 cm wide diffuse stripes of dark grey bi-gn	30
2545	2580	2	3	2	2		Bi-gn.granite, weakly foliated somewhat diffusely spotted fine-mdgr. grey as at 2442-2499	Open fold?
2580	2723	3	2	4	2		Pegmatite, weakly foliated deformed coarsegr.(-mdgr.) light grey	
2723	2774	8	2	3	3	9	Porphyritic bi-gn.granite, foliated deformed fine-mdgr. to mdgr. light grey with diffuse recryst. fine-mdgr. stretched fldsp porph.bl.	36
2774	2790	1	5	2	3	4	Dark grey bi-gn., foliated fine-mdgr. as at 2410-2442 with mm -1 cm fine-mdgr. light grey qz-fldsp veins	43
2790	2806	1	4	2	5	5	Darker grey bi-gn., well-foliated mylonitic fine-mdgr. with sheared pegmatitic material	42
2806	2822	4	2	2	3		Qz-fldsp rock, foliated fine-mdgr. light grey with diffuse stripes of dark grey bi-gn. as 2410-2442	47
2822	2833	4	2	3	3		Qz-fldsp rock, foliated mdgr. light grey vein	
2833	2888	9	3	2	2	9	Porphyritic bi-gn.granitoid?, fine-mdgr. grey with stretched recrystallised diffuse fldsp porphyroblasts	

2888	2895	4	2	3	3		Qz-fldsp rock, foliated mdgr. light grey vein	
2895	2908	1	4	2	4	4	Darker grey bi-gn., well-foliated inhom. fine-mdgr. with diffuse qz-fldsp veins	43
2908	3140	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. diffusely spotted grey with stretched recrystallised diffuse fldsp porphyroblasts	33(2968), 29(3045)
3140	3185	1	3	2	2	3	Bi-gn.(granite?), weakly foliated fine-mdgr. grey porphyritic rich in 1-3 mm big fldsp porphyroblasts	
3185	3195	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. diffusely spotted grey with stretched recrystallised fldsp porphyroblasts as 2808-3140	41
3195	3232	1	5	2	2	4	Dark grey bi-gn., weakly foliated fine-mdgr. as 2410-2442, with light grey qz-fldsp veins	
3232	3268	4	2	3	2		Qz-fldsp vein material, weakly foliated deformed mdgr. light grey with fishes of dark grey bi-gn. as 3195-3232	44
3268	3294	2	3	1	2	1	Bi-gn.granite, moderately foliated finegr. grey with scattered 2-4 mm big fldsp porphyroblasts	
3294	3296	7	6	3			Amphibolitic layer, mdgr.	
3296	3302	2	3	1	2	1	Bi-gn.granite, moderately foliated finegr. grey with scattered 2-4 mm big fldsp porphyroblasts as 3268-3294	
3302	3304	6	6	2			Bi-amphibolite, fine-mdgr. blackish grey	
3304	3328	2	3	1	2	4	Bi-gn.granite, moderately foliated finegr. grey as 3268-3294, with mdgr. light grey qz-fldsp vein at 3316-3318	48
3328	3357	1	5	2	2	4	Dark grey bi-gn., moderately foliated fine-mdgr. with diffuse mdgr. light grey qz-fldsp veins	46
3357	3368	4	3	3			Grey qz-fldsp vein, mdgr., folded with fine-mdgr. dark grey bi-gn. as 3328-3357	Fold
3368	3390	1	5	2	2		Dark grey bi-gn., moderately foliated fine-mdgr. as 3328-3357	53
3390	3404	4	3	1	3	2	Qz-fldsp vein, foliated finegr. grey with 1-2 mm big fldsp porphyroblasts	
3404	3471	2	3	2	3	8	Bi-gn.granite, foliated inhom. fine-mdgr. diffusely striped spotted grey, partly with recrystallised fldsp porphyroblasts	46
3471	3475	1	5	2	2		Dark grey bi-gn., moderately foliated fine-mdgr. as 3328-3357	
3475	3483	4	2	3	2		Qz-fldsp vein material, weakly foliated deformed mdgr. light grey as 3232-3268	
3483	3504	1	5	2	2	4	Dark grey bi-gn., weakly foliated fine-mdgr., with fine-mdgr. light grey qz-fldsp veins	
3504	3532	4	2	2	3	3	Qz-fldsp material, foliated finegr. to fine-mdgr. light grey rich in 1-3 mm big fldsp porphyroblasts	79
3532	3559	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. diffusely spotted grey with stretched recrystallised fldsp porphyroblasts as 2908-3140	50
3559	3590	1	5	2	2		Dark grey bi-gn., moderately foliated fine-mdgr. as 3328-3357	44
3590	3600	4	1	2			Qz-fldsp vein, fine-mdgr. whitish grey	
3600	3638	1	5	2	2		Dark grey bi-gn., weakly foliated fine-mdgr. No veins	Fold closure
3638	3654	7	5	3	3	8	Bi-hbl rock, foliated inhom. mdgr. to coarse-mdgr. dark grey with qz-veins	30
3654	3663	5	1			4	Qz-vein within qz-fldsp material as at 3663-3681	
3663	3681	4	3	2	3	3	Qz-fldsp material, foliated finegr. to mdgr. grey rich in 2-4 mm big fldsp porphyroblasts. With stripes of dark grey bi-gn.	22
3681	3686	1	5	2	2		Dark grey bi-gn., weakly foliated fine-mdgr. as 3600-3638	
3686	3694	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. grey with partly recrystallised 3-5 mm fldsp porphyroblasts	
3694	3730	1	5	2	2	4	Dark grey bi-gn., moderately foliated fine-mdgr. as 3600-3638, with two qz-fldsp veins	53
3730	3770	4	2	2		8	Qz-fldsp vein, inhom. fine-mdgr. light grey with inclusions of dark grey bi-gn. Core of large fold	Open fold closure
3770	3819	1	5	2	2	4	Dark grey bi-gn., weakly foliated fine-mdgr. as 3600-3638, with 2-8 mm wide qz-fldsp veins	13(vein)
3819	3822	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. grey with partly recrystallised 3-5 mm fldsp porphyroblasts as 3686-3694	35
3822	3839	1	5	2	2	4	Dark grey bi-gn., weakly foliated fine-mdgr. as 3770-3819, with mdgr. light grey qz-fldsp veins	
3839	3861	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. grey as 3686-3694, rich in 4-6 mm big recrystallised fldsp porphyroblasts	34
3861	3865	4	2	2			Qz-fldsp vein, fine-mdgr. light grey	
3865	3888	1	5	2	2	4	Dark grey bi-gn., weakly foliated fine-mdgr. as 3822-3839, with light grey qz-fldsp veins	
3888	3896	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. grey rich in 4-6 mm big recrystallised fldsp porphyroblasts as 3839-3861	
3896	3924	1	5	2	3	4	Dark grey bi-gn., foliated fine-mdgr. with plenty of mdgr. light grey qz-fldsp veins	
3924	3982	1	5	2	3		Dark grey bi-gn., foliated fine-mdgr. Dark grey in colour shades	27
3982	4036	9	3	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. grey with 4-6 mm big recrystallised fldsp porphyroblasts as 3839-3861	38
4036	4081	4	2	3	2		Qz-fldsp rock, weakly foliated mdgr. light grey	
4081	4089	7	6	3		4	Bi-rich rock, mdgr. in mdgr. light grey qz-fldsp material	
4089	4128	4	2	3	2	2	Qz-fldsp gn., moderately foliated mdgr. light grey with 1-3 mm big fldsp porphyroblasts	45
4128	4137	7	6	3		5	Amphibolitic rock, mdgr., with intruded deformed whitish grey pegmatite	
4137	4176	9	3	2	2		Bi-gn.granitoid?, weakly foliated fine-mdgr. grey similar to 3839-3861, but little porphyritic	
4176	4227	1	5	2	3	4	Dark grey bi-gn., foliated fine-mdgr. with fine-mdgr. light grey qz-fldsp veins (anatexis)	55, 44
4227	4261	4	2	2	3	2	Qz-fldsp rock., foliated inhom. fine-mdgr. light grey with 1-2 mm big fldsp porphyroblasts	Open fold closure
4261	4281	7	6		3	4	Amphibolitic rock, foliated blackish grey with thin qz-fldsp veinlets	29
4281	4476	9	3	2	5		Mylonitic porphyritic bi-gn.granitoid?, strongly foliated finegr./fine-mdgr. variably mylonitised, with 1-3 mm long recryst. fldsp porphbl.	27(4287), 24(4333), 29(4470)
4476	4500	7	6	2	3	4	Amphibolitic rock, foliated dark grey bi-rich as 4261-4281, with deformed qz-fldsp veins	
4500	4521	1	5	1	5	4	Mylonitic dark grey gn., strongly foliated finegr., alternating with light grey mylonitic qz-fldsp vein material	21

4521	4554	1	5	2	4	4	Dark grey bi-rich gn., well-foliated fine-mdgr., with finegr. light grey qz-fldsp veins	
4554	4578	4	3	1	5	1	Mylonitic qz-fldsp rock/porphyritic bi-gn.granite, well-foliated finegr. grey. With scattered small fldsp porphyroblasts	37
4578	4580	6	6	2			B-rich amphibolitic rock, fine-mdgr. black	
4580	4604	4	2	2	4	2	Mylonitic qz-fldsp rock, well-foliated fine-mdgr. light grey with 1-4 mm long fldsp porphyroblasts	33
4604	4615	4	2	2	4	2	Mylonitic qz-fldsp rock, well-foliated fine-mdgr. light grey with fldsp porphyroblasts as 4580-4604. Stripes of blackish bi-rich rock	
4615	4669	1	5	2	3	3	Dark grey bi-gn., foliated fine-mdgr.	30
4669	4692	1	5	2	3	5	Dark grey bi-gn., foliated fine-mdgr. with plenty of deformed whitish grey pegmatitic material	
4692	4842	1	5	2	3	4	Dark grey bi-gn. (shades of dark grey), foliated fine-mdgr. With scattered diffuse qz-fldsp material	44(4718), 24(4780)
4842	4945	3	2	2	4	2	Pegmatite/qz-fldsp rock, well-foliated sheared/mylonitic light grey with 2-6 mm big fldsp porphyroblasts	35
4945	4985	1	5	2	3	8	Dark grey bi-gn., foliated (inhom.) fine-mdgr. somewhat amphibolitic with some light grey qz-fldsp veins	
4985	5011	1	3	1	4	4	Grey bi-gn., well-foliated finegr. with diffuse sheared qz-fldsp material	30
5011	5018	1	3	2	3	8	Grey bi-gn., foliated fine-mdgr. with thin layers of fine-mdgr. bi-rich amphibolitic rock	
5018	5100	1	3	2	3	1	Grey bi-gn., foliated fine-mdgr. with variable density of scattered 1-5 mm long eye-shaped fldsp porphyroblasts	35-12, open flexure
5100	5120	1	4	2	4	2	Darker grey bi-gn., well-foliated inhom. finegr. to fine-mdgr. with 2-10 mm long flat eye-shaped fldsp porphyroblasts	36
5120	5172	3	2	3		2	Pegmatitic material, deformed mdgr. (uneven grain size) porphyroblastic light grey, with thin stripes of grey gn.	
5172	5192	1	5	2	3	8	Very dark grey bi-gn., foliated inhom. fine-mdgr. with diffuse transitions to fine-mdgr. bi-rich amphibolitic	Folded, 23
5192	5222	3	2	2		2	Pegmatitic material, deformed mdgr. porphyrobl. light grey as 5120-5172, diffuse transition to weakly foliated fine-mdgr. grey gn.	
5222	5231	1	5	1	3		Dark grey bi-gn., foliated finegr.	40
5231	5257	1	3	1	3	8	Grey bi-gn., foliated inhom. finegr. with diffuse dark grey parts	25
5257	5264	3	2	2		3	Pegmatite, deformed fine-mdgr. light grey with plenty of 2-10 mm big fldsp porphyroblasts	
5264	5282	7	6	2	3	4	Bi-rich amphibolitic rock, foliated fine-mdgr. blackish grey with fine-mdgr. grey qz-fldsp veins *	44
5282	5285	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr.	
5285	5288	7	6	2	3		Bi-rich amphibolitic rock, foliated fine-mdgr. blackish grey as 5264-5282 *	53
5288	5290	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr. as 5282-5285	
5290	5303	7	6	2	3	4	Bi-rich amphibolitic rock, foliated fine-mdgr. blackish grey with scattered fine-mdgr. grey bi-gn. veins *	
5303	5347	1	4	2	3	6	Grey to darker grey bi-gn. (diffuse transitions), foliated inhom. fine-mdgr. Deformed pegmatite in fold closure at 5312-5323	Large open fold closure
5347	5360	7	6	2	3		Bi-rich amphibolitic rock, foliated fine-mdgr. blackish grey as 5290-5303 *	35
5360	5380	1	3	2	3	8	Grey bi-gn., foliated inhom. fine-mdgr. with scattered thin bands of dark grey to blackish grey bi-gn.	32
5380	5397	3	2	2		3	Pegmatite, deformed fine-mdgr. light grey with plenty of 2-10 mm big fldsp porphyroblasts as 5257-5264	
5397	5400	1	3	2	4		Grey bi-gn., well-foliated inhom. fine-mdgr.	
5400	5441	1	3	2	3	8	Grey bi-gn., foliated inhom. fine-mdgr., with 1/2-2 cm wide bands and fishes of blackish grey bi-rich amphibolitic rock	Large open fold closure, 26, 8
5441	5471	7	6	2	3	8	Bi-rich amphibolitic rock, foliated fine-mdgr. blackish grey with flame-like veins of fine-mdgr. grey bi-gn. as 5397-5400 *	Part of fold closure above, 42
5471	5517	3	2	2		2	Pegmatite, deformed fine-mdgr. light grey with 2-5 mm big fldsp porphyroblasts	
5517	5537	1	4	2	3	8	Grey to darker grey bi-gn., foliated inhom. and sheared fine-mdgr. with 1 mm - 2 cm porphyroclasts of fragmented pegmatite	45
5537	5550	1	5	2	3		Dark grey bi-gn., foliated fine-mdgr.	40
5550	5600	1	5	2	3	7	Dark grey bi-gn., foliated fine-mdgr. as 5537-5550, but weathered and jointed with qz-veins parallel to core axis	52
5600	5637	1	3				Strongly weathered and jointed grey rock. With clay in joints	
5637	5687	9	2	2	3	9	Porphyritic bi-gn.granitoid?, foliated variably sheared fine-mdgr. light grey with lens-shaped recryst. fldsp material (porphyroblasts)	45
5687	5718	9	3	2	4		Mylonitic rock, well-foliated fine-mdgr. grey to darker grey. Probably sheared and mylonitised porphyritic bi-gn.granite	46
5718	5759	9	2	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. light grey with diffuse recryst. fldsp porphyroblasts	58
5759	5770	1	5	2	3		Dark grey bi-gn., foliated fine-mdgr. (epidote-bearing?)	
5770	5787	9	2	2	3	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. light grey with diffuse stretched recryst. fldsp porphyroblasts as 5718-5759	56
5787	5815	1	5	2	3		Dark grey bi-gn., foliated fine-mdgr. as 5759-5770	55
5815	5819	4	2	2	3		Qz-fldsp vein, foliated finegr. light grey	53
5819	5879	1	4	3	3	4	Darker to dark grey bi-gn.(granitoid?), foliated spotted-striped fine-mdgr. to mdgr. with scattered 1 mm garnet. A few qz-fldsp veins	56
5879	5882	4	2	2	3		Qz-fldsp vein, foliated fine-mdgr. light grey	
5882	5978	9	2	2	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porphyroblasts	59
5978	6000	1	5	2	3		Dark grey bi-gn., foliated fine-mdgr. (epidote-bearing?)	44
6000	6044	9	2	2	2	9	Porphyritic bi-gn.granitoid?, weakly foliated recryst. fine-mdgr. to mdgr. light grey as 5882-5978. Deformed pegmatite at 6024-26	47
6044	6052	1	5	3	2		Dark grey bi-gn.(granitoid?), weakly foliated mdgr. with scattered 1 mm garnet. as 5819-5879	
6052	6063	4	2	3	2		Qz-fldsp rock, weakly foliated mdgr. light grey with scattered stripes of biotite	
6063	6066	1	5	2	3		Dark grey bi-gn., foliated fine-mdgr.	21
6066	6082	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse recryst. fldsp porphyroblasts as 5882-5978	35

6082	6100	1	4	2	3	4	Darker grey bi-gn., foliated fine-mdgr. with one 1/2 cm wide qz-ldsp vein	33
6100	6142	6	6	2	2	4	Amphibolite, moderately foliated fine-mdgr. blackish bi-bearing, with 1-5 mm wide qz-ldsp veins	30
6142	6166	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 5882-5978	Fold closure
6166	6175	4	2	3	2		Qz-ldsp rock, weakly foliated mdgr. light grey as 6052-6063, with a 1 cm thick layer of dark grey bi-gn.	30
6175	6185	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr. as 6082-6100	14
6185	6202	4	2	2	2		Qz-ldsp rock, weakly foliated fine-mdgr. light grey, with two 1 cm thick layers of darker grey bi-gn.	
6202	6220	1	4	2	3		Darker grey bi-gn., foliated fine-mdgr.	27
6220	6278	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated recryst. fine-mdgr. to mdgr. light grey as 5882-5978. Mdgr. qz-ldsp vein at 6259-6261	31
6278	6279	7	6				Amphibolitic rock, Black	
6279	6282	4	2	2	2		Qz-ldsp rock, weakly foliated mdgr. light grey as 6052-6063	
6282	6315	6	6	2	2		Amphibolite, moderately foliated fine-mdgr. blackish bi-bearing	
6315	6318	4	2	3	2		Qz-ldsp rock, weakly foliated mdgr. light grey as 6052-6063	38
6318	6376	6	6	2	2	4	Amphibolite, moderately foliated fine-mdgr. blackish bi-bearing as 6282-6315. With scattered thin qz-ldsp veins	41
6376	6395	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 5882-5978	40
6395	6400	6	6	2	2	4	Amphibolite, moderately foliated fine-mdgr. blackish bi-bearing with scattered thin qz-ldsp veins as 6282-6315	
6400	6428	3	2		3		Pegmatite, foliated finegr. to coarsegr. light grey with inclusions of bi-bearing amphibolite as at 6395-6400	
6428	6456	3	2	4			Pegmatite, deformed mdgr. to coarsegr. light grey	
6456	6467	1	3	1	2	1	Grey bi-gn., weakly foliated finegr. with scattered 1-2 mm big porphyroblasts	
6467	6520	3	2	4			Pegmatite, deformed mdgr. to coarsegr. light grey with some inclusions of grey bi-gn as at 6456-6467	
6520	6527	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 5882-5978	
6527	6539	3	1	4	1		Pegmatite, coarsegr. whitish grey	
6539	6560	9	2	3	2	9	Porphyritic bi-gn.granitoid?, foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porphyroblasts as 6520-6527	61
6560	6573	2	3	2	3	1	Bi-gn.(granite), foliated fine-mdgr. grey with scattered 1-2 mm big fldsp porphyroblasts	53
6573	6577	5	1				Qz-vein	
6577	6590	2	3	2	3	1	Bi-gn.(granite), foliated (quite well-developed) fine-mdgr. grey as 6560-6573	51
6590	6593	3	1	2	2		Pegmatitic vein, deformed fine-mdgr. whitish grey	
6593	6605	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 6520-6527	
6605	6610	5		1			Qz-vein	
6610	6780	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 5882-5978	58(6671), 55(6737)
6780	6785	5	1				Qz-vein	
6785	6796	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 6610-6780	40
6796	6800	5	1				Qz-vein	
6800	6866	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 6610-6780	50
6866	6877	9	3	2	3	1	Bi-gn.granitoid?, foliated fine-mdgr. grey with scattered 1-2 mm big fldsp porphyroblasts	46
6877	6964	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 6610-6780	38
6964	6973	3	2	4			Pegmatite, deformed mdgr. to coarsegr. light grey	
6973	7005	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 6610-6780	
7005	7026	9	3	2	2	3	Bi-gn.granitoid?, weakly foliated fine-mdgr. grey rich in 1-2 mm big fldsp porphyroblasts	
7026	7045	3	2	3	2		Pegmatite, deformed mdgr. light grey	
7045	7326	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 6610-6780	folded?
7326	7327	5	1				Qz-vein	
7327	7335	2	3	2	2	3	Bi-gn.granitoid?, weakly foliated fine-mdgr. grey rich in 1-2 mm big fldsp porphyroblasts as 7005-7026	
7335	7473	9	2	3	2	9	Porphyritic bi-gn.granitoid?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7045-7326	46(7469)
7473	7503	3	1	4			Pegmatite, deformed mdgr. to coarsegr. whitish grey	
7503	7520	2	3	2	2		Grey bi-gn.(granite), weakly foliated fine-mdgr.	
7520	7596	3	2		2		Pegmatite, weakly foliated deformed light grey with fishes of light grey porphyric bi-gn.granite? as at 7335-7473	38
7596	7711	8	2	3	2	9	Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7045-7326	29(7665)
7711	7713	5	1				Qz-vein	
7713	7730	8	2	3	2	9	Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7045-7326	
7730	7732	5	1				Qz-vein	
7732	7781	8	2	3	2	9	Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7045-7326	34(7758)
7781	7801	2	3	2	2	3	Bi-gn.granite, weakly foliated fine-mdgr. grey rich in 1-2 mm big fldsp porphyroblasts as 7005-7026	
7801	7967	8	2	3	2	9	Porphyritic bi-gn.granite?, weakly foliated light grey with recryst. fldsp porph.bl. as 7045-7326. 1 cm qz-veins at 7840, 7854, 7845	64(7842), 60(7955)

7967	7969	5	1						Qz-vein	
7969	7982	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7801-7967	
7982	7989	5	1						Qz-vein	
7989	8055	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7801-7967	56(8050)
8055	8060	5	1						Qz-vein	
8060	8187	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 7801-7967	? (unclear)
8187	8194	2	3	2	2				Bi-gn.granite, weakly foliated fine-mdgr. grey	
8194	8219	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8060-8187	? (unclear)
8219	8225	2	3	2	2				Bi-gn.granite?, weakly foliated fine-mdgr. grey as 8187-8194	
8225	8406	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8060-8187	24?(8245), 21(8352)
8406	8420	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated recryst. light grey as 8225-8406. Strongly jointed with soft light grey greasy joint filling	
8420	8439	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8225-8406	
8439	8462	2	3	2	3	1			Bi-gn.granite?, foliated fine-mdgr. grey. Scattered porphyroblastic	52
8462	8536	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8225-8406	
8536	8538	5	1						Qz-vein	
8538	8648	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8225-8406	52(8588), 55(8623)
8648	8650	3	2						Pegmatitic vein, deformed light grey	
8650	8729	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8225-8406	53(8658)
8729	8735	2	3	2	3	1			Bi-gn.granite, foliated fine-mdgr. grey as 8439-8462. Scattered porphyroblastic	58
8735	8772	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8225-8406	
8772	8790	2	3	2	3	1			Bi-gn.granite?, foliated fine-mdgr. grey as 8439-8462. Scattered porphyroblastic	46
8790	9130	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8225-8406	58(8830), 50(8942)
9130	9166	8	2	3	2	5			Porphyritic bi-gn.granite?, weakly foliated light grey with recryst. fldsp porph.bl. as 8790-9130 with irregular pegmatitic material	
9166	9185	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8790-9130	18
9185	9258	3	1	4	2				Pegmatite, weakly foliated deformed mdgr. to coarsegr. whitish grey	58
9258	9274	2	3	2	3				Bi-gn.granite?, foliated fine-mdgr. grey	60
9274	9286	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8790-9130	
9286	9302	2	3	2	3				Bi-gn.granite?, foliated fine-mdgr. grey	54
9302	9320	2	3	3	3	3			Bi-gn.granite?, foliated mdgr. grey rich in 1-3 mm big porphyroblasts	62
9320	9387	3	1	4	2				Pegmatite, weakly foliated deformed mdgr. to coarsegr. whitish grey	
9387	9475	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8790-9130	
9475	9497	2	3	2	3	1			Bi-gn.granite?, foliated fine-mdgr. grey. Scattered porphyroblastic	55
9497	9738	8	2	3	2	9			Porphyritic bi-gn.granite?, weakly foliated fine-mdgr. to mdgr. light grey with diffuse stretched recryst. fldsp porph.bl. as 8790-9130	55(9557), 52(9670)
9738	9866	2	3	2	5	2			Bi-gn.granite?, foliated fine-mdgr. light grey to grey. Partly sheared and porphyroblastic with 2-6 mm long eye-shaped fldsp porph.bl.	56(9740), 62(9850)
9866	10009	1	4	2	3	1			Darker grey bi-gn., foliated finegr. to fine-mdgr., locally with scattered 1-2 mm big fldsp porphyroblasts	54(9889), 56(9944), 59(9980)
10009	10014	4	2	2					Qz-fldsp vein, fine-mdgr. light grey in foliated finegr. to fine-mdgr. darker grey bi-gn. as 9866-10009	
10014	10017	1	4	2	3	1			Darker grey bi-gn., foliated finegr. to fine-mdgr., locally with scattered 1-2 mm big fldsp porphyroblasts	66

End og drill core: 10017 cm

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
0					
266	9,5	39	6245,9	6,2	4,8
281	8,0	39	5259,7	5,3	4,0
296	6,5	39	4273,5	4,3	3,3
307	10,2	39	6706,1	6,7	5,1
324	3,0	39	1939,5	1,9	1,5
336	8,0	39	5259,7	5,3	4,0
342	11,0	39	7232,1	7,2	5,5
350	10,0	39	6574,6	6,6	5,0
362	11,0	39	7232,1	7,2	5,5
373	9,0	39	5917,2	5,9	4,5
380	15,0	39	9861,9	9,9	7,5
386	13,5	39	8875,7	8,9	6,8
396	19,0	39	12491,8	12,5	9,5
413	10,5	39	6903,4	6,9	5,3
419	16,7	39	10979,6	11,0	8,4
429	12,0	39	7889,5	7,9	6,0
442	6,0	39	3944,8	3,9	3,0
449	9,2	39	6048,7	6,0	4,6
452	8,9	39	5851,4	5,9	4,5
472	2,6	39	1689,7	1,7	1,3
488	9,0	39	5917,2	5,9	4,5
514	7,0	39	4602,2	4,6	3,5
520	10,0	39	6574,6	6,6	5,0
539	7,5	39	4931,0	4,9	3,8
546	8,0	39	5259,7	5,3	4,0
553	12,1	39	7955,3	8,0	6,1
564	14,9	39	9796,2	9,8	7,5
571	11,3	39	7429,3	7,4	5,7
584	11,1	39	7297,8	7,3	5,6
591	9,4	39	6180,1	6,2	4,7
597	12,3	39	8086,8	8,1	6,2
612	10,5	39	6903,4	6,9	5,3
632	7,0	39	4602,2	4,6	3,5
647	16,0	39	10519,4	10,5	8,0
656	17,5	39	11505,6	11,5	8,8
665	10,0	39	6574,6	6,6	5,0
677	20,0	39	13149,2	13,1	10,0
685	13,9	39	9138,7	9,1	7,0
705	6,5	39	4273,5	4,3	3,3
712	12,5	39	8218,3	8,2	6,3
719	14,5	39	9533,2	9,5	7,3
726	10,0	39	6574,6	6,6	5,0
734	15,0	39	9861,9	9,9	7,5
738	11,9	39	7823,8	7,8	6,0
756	15,5	39	10190,7	10,2	7,8
763	15,0	39	9861,9	9,9	7,5
769	15,1	39	9927,7	9,9	7,6
777	12,1	39	7955,3	8,0	6,1
784	17,5	39	11505,6	11,5	8,8
791	13,7	39	9007,2	9,0	6,9
807	22,8	39	14990,1	15,0	11,4
812	14,5	39	9533,2	9,5	7,3
819	18,0	39	11834,3	11,8	9,0
826	13,8	39	9073,0	9,1	6,9
832	12,8	39	8415,5	8,4	6,4
839	16,2	39	10650,9	10,7	8,1

Depth	Load (P)	Diameter (d)	$I_s=P/d^2$	$I_s=P/d^2$	$I_{s(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
845	15,3	39	10059,2	10,1	7,7
851	15,2	39	9993,4	10,0	7,6
856	15,8	39	10387,9	10,4	7,9
866	11,7	39	7692,3	7,7	5,9
873	16,0	39	10519,4	10,5	8,0
878	15,9	39	10453,6	10,5	8,0
889	20,6	39	13543,7	13,5	10,3
894	10,7	39	7034,8	7,0	5,4
913	12,0	39	7889,5	7,9	6,0
951	10,0	39	6574,6	6,6	5,0
988	4,5	39	2958,6	3,0	2,3
1004	16,0	39	10519,4	10,5	8,0
1040	13,0	39	8547,0	8,5	6,5
1080	12,0	39	7889,5	7,9	6,0
1114	11,0	39	7232,1	7,2	5,5
1145	12,0	39	7889,5	7,9	6,0
1175	10,5	39	6903,4	6,9	5,3
1240	17,0	39	11176,9	11,2	8,5
1295	9,0	39	5917,2	5,9	4,5
1315	9,4	39	6180,1	6,2	4,7
1340	8,6	39	5654,2	5,7	4,3
1365	11,9	39	7823,8	7,8	6,0
1390	21,2	39	13938,2	13,9	10,6
1420	11,4	39	7495,1	7,5	5,7
1450	16,9	39	11111,1	11,1	8,5
1480	11,2	39	7363,6	7,4	5,6
1530	14,0	39	9204,5	9,2	7,0
1560	9,5	39	6245,9	6,2	4,8
1597	14,0	39	9204,5	9,2	7,0
1610	11,0	39	7232,1	7,2	5,5
1640	11,8	39	7758,1	7,8	5,9
1670	13,0	39	8547,0	8,5	6,5
1695	12,5	39	8218,3	8,2	6,3
1715	12,0	39	7889,5	7,9	6,0
1736	13,0	39	8547,0	8,5	6,5
1760	12,0	39	7889,5	7,9	6,0
1785	11,5	39	7560,8	7,6	5,8
1811	9,4	39	6180,1	6,2	4,7
1840	13,2	39	8678,5	8,7	6,6
1879	16,0	39	10519,4	10,5	8,0
1920	21,0	39	13806,7	13,8	10,5
1949	10,0	39	6574,6	6,6	5,0
1988	13,6	39	8941,5	8,9	6,8
2008	11,9	39	7823,8	7,8	6,0
2054	10,4	39	6837,6	6,8	5,2
2082	16,5	39	10848,1	10,8	8,3
2133	20,1	39	13215,0	13,2	10,1
2185	13,5	39	8875,7	8,9	6,8
2211	15,7	39	10322,2	10,3	7,9
2242	16,7	39	10979,6	11,0	8,4
2287	8,0	39	5259,7	5,3	4,0
2310	11,5	39	7560,8	7,6	5,8
2411	12,5	39	8218,3	8,2	6,3
2453	7,2	39	4733,7	4,7	3,6
2490	3,9	39	2564,1	2,6	2,0
2511	4,1	39	2695,6	2,7	2,1
2576	7,4	39	4865,2	4,9	3,7

Depth cm	Load (P) kN	Diameter (d) mm	$I_S=P/d^2$ kN/m ²	$I_S=P/d^2$ MPa	$I_{S(50)}$ MPa
2650	12,5	39	8218,3	8,2	6,3
2682	12,0	39	7889,5	7,9	6,0
2730	4,5	39	2958,6	3,0	2,3
2870	9,6	39	6311,6	6,3	4,8
2932	12,5	39	8218,3	8,2	6,3
2987	12,2	39	8021,0	8,0	6,1
3011	12,0	39	7889,5	7,9	6,0
3090	11,2	39	7363,6	7,4	5,6
3110	12,4	39	8152,5	8,2	6,2
3180	9,1	39	5982,9	6,0	4,6
3219	11,1	39	7297,8	7,3	5,6
3263	13,3	39	8744,2	8,7	6,7
3329	12,9	39	8481,3	8,5	6,5
3380	13,5	39	8875,7	8,9	6,8
3416	13,0	39	8547,0	8,5	6,5
3486	10,4	39	6837,6	6,8	5,2
3530	12,1	39	7955,3	8,0	6,1
3586	11,3	39	7429,3	7,4	5,7
3645	9,9	39	6508,9	6,5	5,0
3689	14,7	39	9664,7	9,7	7,4
3730	9,8	39	6443,1	6,4	4,9
3790	12,7	39	8349,8	8,3	6,4
3840	16,7	39	10979,6	11,0	8,4
3880	7,0	39	4602,2	4,6	3,5
3910	14,0	39	9204,5	9,2	7,0
3955	14,7	39	9664,7	9,7	7,4
4013	11,0	39	7232,1	7,2	5,5
4081	12,0	39	7889,5	7,9	6,0
4140	13,2	39	8678,5	8,7	6,6
4180	14,9	39	9796,2	9,8	7,5
4214	12,2	39	8021,0	8,0	6,1
4250	22,0	39	14464,2	14,5	11,0
4280	19,5	39	12820,5	12,8	9,8
4320	12,5	39	8218,3	8,2	6,3
4370	14,1	39	9270,2	9,3	7,1
4430	10,6	39	6969,1	7,0	5,3
4460	12,5	39	8218,3	8,2	6,3
4490	13,1	39	8612,8	8,6	6,6
4515	15,0	39	9861,9	9,9	7,5
4570	13,8	39	9073,0	9,1	6,9
4620	14,1	39	9270,2	9,3	7,1
4660	12,3	39	8086,8	8,1	6,2
4697	16,1	39	10585,1	10,6	8,1
4725	11,8	39	7758,1	7,8	5,9
4790	14,9	39	9796,2	9,8	7,5
4840	12,7	39	8349,8	8,3	6,4
4875	13,2	39	8678,5	8,7	6,6
4935	13,0	39	8547,0	8,5	6,5
4990	11,1	39	7297,8	7,3	5,6
5015	13,6	39	8941,5	8,9	6,8
5075	13,0	39	8547,0	8,5	6,5
5110	13,0	39	8547,0	8,5	6,5
5197	13,4	39	8810,0	8,8	6,7
5220	11,3	39	7429,3	7,4	5,7
5285	11,1	39	7297,8	7,3	5,6
5320	19,9	39	13083,5	13,1	10,0
5360	15,6	39	10256,4	10,3	7,8

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
5410	20,0	39	13149,2	13,1	10,0
5465	13,7	39	9007,2	9,0	6,9
5530	16,5	39	10848,1	10,8	8,3
5555	12,8	39	8415,5	8,4	6,4
5627	7,1	39	4668,0	4,7	3,6
5690	12,3	39	8086,8	8,1	6,2
5710	10,2	39	6706,1	6,7	5,1
5770	13,3	39	8744,2	8,7	6,7
5845	11,5	39	7560,8	7,6	5,8
5894	10,1	39	6640,4	6,6	5,1
5955	12,2	39	8021,0	8,0	6,1
5988	13,5	39	8875,7	8,9	6,8
6030	18,2	39	11965,8	12,0	9,1
6070	13,0	39	8547,0	8,5	6,5
6130	16,8	39	11045,4	11,0	8,4
6180	13,0	39	8547,0	8,5	6,5
6218	10,6	39	6969,1	7,0	5,3
6270	13,2	39	8678,5	8,7	6,6
6325	14,0	39	9204,5	9,2	7,0
6370	11,7	39	7692,3	7,7	5,9
6415	13,6	39	8941,5	8,9	6,8
6460	14,0	39	9204,5	9,2	7,0
6535	13,2	39	8678,5	8,7	6,6
6593	13,0	39	8547,0	8,5	6,5
6635	15,0	39	9861,9	9,9	7,5
6656	8,3	39	5456,9	5,5	4,2
6725	8,1	39	5325,4	5,3	4,1
6775	13,8	39	9073,0	9,1	6,9
6830	12,1	39	7955,3	8,0	6,1
6885	12,5	39	8218,3	8,2	6,3
6930	12,0	39	7889,5	7,9	6,0
6960	17,1	39	11242,6	11,2	8,6
7030	11,0	39	7232,1	7,2	5,5
7070	6,7	39	4405,0	4,4	3,4
7136	10,0	39	6574,6	6,6	5,0
7168	8,3	39	5456,9	5,5	4,2
7240	13,3	39	8744,2	8,7	6,7
7290	15,0	39	9861,9	9,9	7,5
7320	13,9	39	9138,7	9,1	7,0
7410	12,0	39	7889,5	7,9	6,0
7470	16,9	39	11111,1	11,1	8,5
7540	17,7	39	11637,1	11,6	8,9
7578	14,0	39	9204,5	9,2	7,0
7625	10,4	39	6837,6	6,8	5,2
7694	11,1	39	7297,8	7,3	5,6
7710	13,0	39	8547,0	8,5	6,5
7755	7,0	39	4602,2	4,6	3,5
7828	10,5	39	6903,4	6,9	5,3
7880	14,8	39	9730,4	9,7	7,4
7925	10,9	39	7166,3	7,2	5,5
7975	9,7	39	6377,4	6,4	4,9
8020	11,3	39	7429,3	7,4	5,7
8075	10,1	39	6640,4	6,6	5,1
8115	9,8	39	6443,1	6,4	4,9
8175	13,9	39	9138,7	9,1	7,0
8243	12,7	39	8349,8	8,3	6,4
8286	9,3	39	6114,4	6,1	4,7

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
8307	8,1	39	5325,4	5,3	4,1
8380	9,0	39	5917,2	5,9	4,5
8418	8,5	39	5588,4	5,6	4,3
8480	9,0	39	5917,2	5,9	4,5
8542	15,9	39	10453,6	10,5	8,0
8580	21,3	39	14003,9	14,0	10,7
8620	9,4	39	6180,1	6,2	4,7
8665	14,1	39	9270,2	9,3	7,1
8725	13,7	39	9007,2	9,0	6,9
8768	7,2	39	4733,7	4,7	3,6
8840	15,7	39	10322,2	10,3	7,9
8890	16,8	39	11045,4	11,0	8,4
8930	12,1	39	7955,3	8,0	6,1
8970	13,1	39	8612,8	8,6	6,6
9035	17,2	39	11308,3	11,3	8,6
9107	16,0	39	10519,4	10,5	8,0
9192	18,1	39	11900,1	11,9	9,1
9284	17,7	39	11637,1	11,6	8,9
9350	32,9	39	21630,5	21,6	16,5
9483	30,2	39	19855,4	19,9	15,1
9521	25,8	39	16962,5	17,0	12,9
9646	20,8	39	13675,2	13,7	10,4
9692	32,0	39	21038,8	21,0	16,0
9784	18,8	39	12360,3	12,4	9,4
9889	22,0	39	14464,2	14,5	11,0
9928	27,0	39	17751,5	17,8	13,5
10052	24,0	39	15779,1	15,8	12,0
10189	17,9	39	11768,6	11,8	9,0
10230	17,4	39	11439,8	11,4	8,7
10363	12,0	39	7889,5	7,9	6,0
10449	10,2	39	6706,1	6,7	5,1
10585	24,0	39	15779,1	15,8	12,0
10614	22,0	39	14464,2	14,5	11,0
10769	22,6	39	14858,6	14,9	11,3
10864	20,2	39	13280,7	13,3	10,1
10947	17,9	39	11768,6	11,8	9,0
10156	10,9	39	7166,3	7,2	5,5
11176	21,3	39	14003,9	14,0	10,7
11263	22,5	39	14792,9	14,8	11,3
11336	17,9	39	11768,6	11,8	9,0
11474	26,0	39	17094,0	17,1	13,0
11558	19,0	39	12491,8	12,5	9,5
11639	22,0	39	14464,2	14,5	11,0
11745	20,1	39	13215,0	13,2	10,1
11857	24,3	39	15976,3	16,0	12,2
11940	22,6	39	14858,6	14,9	11,3
12033	27,0	39	17751,5	17,8	13,5
12164	22,6	39	14858,6	14,9	11,3
12257	16,9	39	11111,1	11,1	8,5
12350	18,8	39	12360,3	12,4	9,4
12470	22,2	39	14595,7	14,6	11,1
12544	21,5	39	14135,4	14,1	10,8
12655	16,5	39	10848,1	10,8	8,3
12725	20,2	39	13280,7	13,3	10,1
12866	20,4	39	13412,2	13,4	10,2
12954	20,6	39	13543,7	13,5	10,3
13040	22,4	39	14727,2	14,7	11,2

Depth cm	Load (P) kN	Diameter (d) mm	$I_S=P/d^2$ kN/m ²	$I_S=P/d^2$ MPa	$I_{S(50)}$ MPa
13160	19,8	39	13017,8	13,0	9,9
13240	26,2	39	17225,5	17,2	13,1
13350	30,8	39	20249,8	20,2	15,4
13476	27,0	39	17751,5	17,8	13,5
13560	24,4	39	16042,1	16,0	12,2
13660	21,4	39	14069,7	14,1	10,7
13760	24,5	39	16107,8	16,1	12,3
13832	21,3	39	14003,9	14,0	10,7
13950	18,6	39	12228,8	12,2	9,3
14073	24,0	39	15779,1	15,8	12,0
14166	21,8	39	14332,7	14,3	10,9
14266	26,2	39	17225,5	17,2	13,1
14342	21,0	39	13806,7	13,8	10,5
14420	18,2	39	11965,8	12,0	9,1
14555	18,0	39	11834,3	11,8	9,0
14650	20,0	39	13149,2	13,1	10,0
14787	16,2	39	10650,9	10,7	8,1
14835	24,0	39	15779,1	15,8	12,0
14950	18,3	39	12031,6	12,0	9,2
15028	19,1	39	12557,5	12,6	9,6
15093	17,1	39	11242,6	11,2	8,6
15140	20,2	39	13280,7	13,3	10,1
15250	22,3	39	14661,4	14,7	11,2
15335	20,1	39	13215,0	13,2	10,1
15444	21,2	39	13938,2	13,9	10,6
15540	26,4	39	17357,0	17,4	13,2
15620	13,7	39	9007,2	9,0	6,9
15680	25,5	39	16765,3	16,8	12,8
15765	15,1	39	9927,7	9,9	7,6
15866	7,3	39	4799,5	4,8	3,7
15956	24,9	39	16370,8	16,4	12,5
16057	24,9	39	16370,8	16,4	12,5
16115	21,3	39	14003,9	14,0	10,7
16170	13,6	39	8941,5	8,9	6,8
16211	25,0	39	16436,6	16,4	12,5
16365	22,0	39	14464,2	14,5	11,0
16450	21,2	39	13938,2	13,9	10,6
16548	19,8	39	13017,8	13,0	9,9
16640	21,1	39	13872,5	13,9	10,6
16732	16,9	39	11111,1	11,1	8,5
16780	18,5	39	12163,1	12,2	9,3
16850	24,5	39	16107,8	16,1	12,3
16950	23,9	39	15713,3	15,7	12,0
17020	26,1	39	17159,8	17,2	13,1
17130	23,1	39	15187,4	15,2	11,6
17276	22,1	39	14529,9	14,5	11,1
17360	25,2	39	16568,0	16,6	12,6
17420	26,1	39	17159,8	17,2	13,1
17520	20,2	39	13280,7	13,3	10,1
17558	20,0	39	13149,2	13,1	10,0
17660	31,0	39	20381,3	20,4	15,5
17725	24,9	39	16370,8	16,4	12,5
17830	23,2	39	15253,1	15,3	11,6
17919	18,2	39	11965,8	12,0	9,1
17985	18,6	39	12228,8	12,2	9,3
18053	31,5	39	20710,1	20,7	15,8
18169	17,0	39	11176,9	11,2	8,5

Depth cm	Load (P) kN	Diameter (d) mm	$I_S=P/d^2$ kN/m ²	$I_S=P/d^2$ MPa	$I_{S(50)}$ MPa
18280	18,0	39	11834,3	11,8	9,0
18350	21,2	39	13938,2	13,9	10,6
18467	20,6	39	13543,7	13,5	10,3
18560	25,0	39	16436,6	16,4	12,5
18646	24,0	39	15779,1	15,8	12,0
18757	11,5	39	7560,8	7,6	5,8
18820	32,5	39	21367,5	21,4	16,3
18856	24,5	39	16107,8	16,1	12,3
18935	30,4	39	19986,9	20,0	15,2
19030	31,5	39	20710,1	20,7	15,8
19150	29,2	39	19197,9	19,2	14,6
19240	28,9	39	19000,7	19,0	14,5
19350	27,0	39	17751,5	17,8	13,5
19450	37,0	39	24326,1	24,3	18,5
19550	29,1	39	19132,1	19,1	14,6
19650	28,0	39	18408,9	18,4	14,0
19760	21,2	39	13938,2	13,9	10,6
19820	13,0	39	8547,0	8,5	6,5
19910	31,2	39	20512,8	20,5	15,6
19990	38,9	39	25575,3	25,6	19,5
20020	36,0	39	23668,6	23,7	18,0
20065	22,2	39	14595,7	14,6	11,1
20168	27,4	39	18014,5	18,0	13,7
20250	31,0	39	20381,3	20,4	15,5
20350	33,6	39	22090,7	22,1	16,8
20450	27,6	39	18146,0	18,1	13,8
20575	25,0	39	16436,6	16,4	12,5
20630	26,8	39	17620,0	17,6	13,4
20690	25,5	39	16765,3	16,8	12,8
20717	25,8	39	16962,5	17,0	12,9
20790	28,8	39	18934,9	18,9	14,4
20860	32,5	39	21367,5	21,4	16,3
20980	29,8	39	19592,4	19,6	14,9
21050	34,1	39	22419,5	22,4	17,1
21155	39,0	39	25641,0	25,6	19,5
21250	26,1	39	17159,8	17,2	13,1
21328	29,6	39	19460,9	19,5	14,8
21390	27,2	39	17883,0	17,9	13,6
21460	35,7	39	23471,4	23,5	17,9
21535	27,2	39	17883,0	17,9	13,6
21629	28,2	39	18540,4	18,5	14,1
21687	25,0	39	16436,6	16,4	12,5
21750	25,2	39	16568,0	16,6	12,6
21830	32,0	39	21038,8	21,0	16,0
21980	28,2	39	18540,4	18,5	14,1
22040	32,9	39	21630,5	21,6	16,5
22160	29,8	39	19592,4	19,6	14,9
22270	27,4	39	18014,5	18,0	13,7
22370	23,0	39	15121,6	15,1	11,5
22470	19,2	39	12623,3	12,6	9,6
22570	28,2	39	18540,4	18,5	14,1
22637	28,1	39	18474,7	18,5	14,1
22694	28,2	39	18540,4	18,5	14,1
22730	28,1	39	18474,7	18,5	14,1
22849	19,3	39	12689,0	12,7	9,7
22970	27,8	39	18277,4	18,3	13,9
23090	31,2	39	20512,8	20,5	15,6

Depth cm	Load (P) kN	Diameter (d) mm	$I_S=P/d^2$ kN/m ²	$I_S=P/d^2$ MPa	$I_{S(50)}$ MPa
23137	29,5	39	19395,1	19,4	14,8
23173	23,2	39	15253,1	15,3	11,6
23225	19,0	39	12491,8	12,5	9,5
23285	20,8	39	13675,2	13,7	10,4
23338	25,4	39	16699,5	16,7	12,7
23580	30,8	39	20249,8	20,2	15,4
23640	20,5	39	13478,0	13,5	10,3
23730	22,0	39	14464,2	14,5	11,0
23885	22,2	39	14595,7	14,6	11,1
23970	24,0	39	15779,1	15,8	12,0
24050	26,1	39	17159,8	17,2	13,1
24112	23,0	39	15121,6	15,1	11,5
24175	29,3	39	19263,6	19,3	14,7
24264	21,5	39	14135,4	14,1	10,8
24322	28,0	39	18408,9	18,4	14,0
24375	24,9	39	16370,8	16,4	12,5
24444	22,6	39	14858,6	14,9	11,3
24554	31,5	39	20710,1	20,7	15,8
24654	31,0	39	20381,3	20,4	15,5
24730	22,5	39	14792,9	14,8	11,3
24846	31,6	39	20775,8	20,8	15,8
24920	26,7	39	17554,2	17,6	13,4
24970	22,6	39	14858,6	14,9	11,3
25004	25,0	39	16436,6	16,4	12,5

Depth	Load (P)	Diameter (d)	$I_s=P/d^2$	$I_s=P/d^2$	$I_{s(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
0					
74	16,6	32	16210,9	16,2	10,7
97	11,5	32	11230,5	11,2	7,4
114	6,9	32	6738,3	6,7	4,4
118	13,2	32	12890,6	12,9	8,5
127	3,0	32	2929,7	2,9	1,9
134	13,5	32	13183,6	13,2	8,7
139	12,0	32	11718,8	11,7	7,7
145	14,1	32	13769,5	13,8	9,1
150	15,5	32	15136,7	15,1	10,0
154	14,8	32	14453,1	14,5	9,5
163	15,7	32	15332,0	15,3	10,1
183	7,5	32	7324,2	7,3	4,8
189	11,0	32	10742,2	10,7	7,1
198	14,7	32	14355,5	14,4	9,5
204	12,0	32	11718,8	11,7	7,7
210	17,0	32	16601,6	16,6	11,0
216	11,0	32	10742,2	10,7	7,1
222	14,8	32	14453,1	14,5	9,5
226	14,3	32	13964,8	14,0	9,2
238	9,5	32	9277,3	9,3	6,1
245	3,2	32	3125,0	3,1	2,1
262	13,7	32	13378,9	13,4	8,8
268	10,6	32	10351,6	10,4	6,8
285	9,0	32	8789,1	8,8	5,8
295	16,8	36	12963,0	13,0	9,3
310	10,0	36	7716,0	7,7	5,5
316	10,1	36	7793,2	7,8	5,6
328	4,0	36	3086,4	3,1	2,2
339	5,8	36	4475,3	4,5	3,2
350	10,5	36	8101,9	8,1	5,8
360	11,4	36	8796,3	8,8	6,3
366	8,5	36	6558,6	6,6	4,7
374	3,1	36	2392,0	2,4	1,7
378	3,0	36	2314,8	2,3	1,7
391	6,7	36	5169,8	5,2	3,7
400	9,0	36	6944,4	6,9	5,0
405	6,7	36	5169,8	5,2	3,7
411	4,5	36	3472,2	3,5	2,5
416	9,5	36	7330,2	7,3	5,2
422	17,0	36	13117,3	13,1	9,4
428	16,5	36	12731,5	12,7	9,1
433	16,9	36	13040,1	13,0	9,3
439	16,5	36	12731,5	12,7	9,1
443	17,1	36	13194,4	13,2	9,4
454	10,4	36	8024,7	8,0	5,7
464	6,3	36	4861,1	4,9	3,5
486	4,5	36	3472,2	3,5	2,5
492	7,7	36	5941,4	5,9	4,2
497	9,3	36	7175,9	7,2	5,1
504	15,6	36	12037,0	12,0	8,6
509	17,0	36	13117,3	13,1	9,4
514	8,2	36	6327,2	6,3	4,5
522	8,8	36	6790,1	6,8	4,9
528	18,5	36	14274,7	14,3	10,2
533	14,0	36	10802,5	10,8	7,7
539	17,9	36	13811,7	13,8	9,9

Depth	Load (P)	Diameter (d)	$I_s=P/d^2$	$I_s=P/d^2$	$I_{s(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
546	12,5	36	9645,1	9,6	6,9
551	15,1	36	11651,2	11,7	8,3
556	12,5	36	9645,1	9,6	6,9
561	7,0	36	5401,2	5,4	3,9
568	11,1	36	8564,8	8,6	6,1
575	12,9	36	9953,7	10,0	7,1
587	17,0	36	13117,3	13,1	9,4
598	18,0	36	13888,9	13,9	9,9
612	11,6	36	8950,6	9,0	6,4
618	15,5	36	11959,9	12,0	8,5
624	12,7	36	9799,4	9,8	7,0
630	14,3	36	11034,0	11,0	7,9
636	20,0	36	15432,1	15,4	11,0
641	13,6	36	10493,8	10,5	7,5
650	14,7	36	11342,6	11,3	8,1
664	19,0	36	14660,5	14,7	10,5
676	4,8	36	3703,7	3,7	2,6
681	6,0	36	4629,6	4,6	3,3
687	8,2	36	6327,2	6,3	4,5
692	5,7	36	4398,1	4,4	3,1
710	12,2	36	9413,6	9,4	6,7
715	10,3	36	7947,5	7,9	5,7
721	10,8	36	8333,3	8,3	6,0
726	8,9	36	6867,3	6,9	4,9
731	10,1	36	7793,2	7,8	5,6
747	12,2	36	9413,6	9,4	6,7
757	12,7	36	9799,4	9,8	7,0
776	14,6	36	11265,4	11,3	8,0
783	9,7	36	7484,6	7,5	5,3
793	16,3	36	12577,2	12,6	9,0
798	15,7	36	12114,2	12,1	8,7
803	17,1	36	13194,4	13,2	9,4
808	14,9	36	11496,9	11,5	8,2
814	14,8	36	11419,8	11,4	8,2
819	14,0	36	10802,5	10,8	7,7
825	15,2	36	11728,4	11,7	8,4
830	13,4	36	10339,5	10,3	7,4
836	14,0	36	10802,5	10,8	7,7
842	10,5	36	8101,9	8,1	5,8
851	12,6	36	9722,2	9,7	6,9
856	13,0	36	10030,9	10,0	7,2
861	12,1	36	9336,4	9,3	6,7
867	11,5	36	8873,5	8,9	6,3
872	12,1	36	9336,4	9,3	6,7
878	9,1	36	7021,6	7,0	5,0
887	11,9	36	9182,1	9,2	6,6
891	11,4	36	8796,3	8,8	6,3
900	10,7	36	8256,2	8,3	5,9
920	10,5	36	8101,9	8,1	5,8
1013	17,2	36	13271,6	13,3	9,5
1068	14,8	36	11419,8	11,4	8,2
1119	19,9	36	15354,9	15,4	11,0
1187	21,9	36	16898,1	16,9	12,1
1270	21,3	36	16435,2	16,4	11,7
1315	23,0	36	17746,9	17,7	12,7
1382	19,4	36	14969,1	15,0	10,7
1469	15,2	36	11728,4	11,7	8,4

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
1576	25,9	36	19984,6	20,0	14,3
1660	14,9	36	11496,9	11,5	8,2
1775	18,6	36	14351,9	14,4	10,3
1822	19,2	36	14814,8	14,8	10,6
1880	22,6	36	17438,3	17,4	12,5
1916	8,5	36	6558,6	6,6	4,7
1959	2,8	36	2160,5	2,2	1,5
2019	21,1	36	16280,9	16,3	11,6
2150	21,2	36	16358,0	16,4	11,7
2227	14,2	36	10956,8	11,0	7,8
2268	24,0	36	18518,5	18,5	13,2
2354	7,5	36	5787,0	5,8	4,1
2416	18,6	36	14351,9	14,4	10,3
2556	20,2	36	15586,4	15,6	11,1
2638	24,7	36	19058,6	19,1	13,6
2680	18,0	36	13888,9	13,9	9,9
2724	33,0	36	25463,0	25,5	18,2
2788	28,2	36	21759,3	21,8	15,5
2853	14,2	36	10956,8	11,0	7,8
2938	28,0	36	21604,9	21,6	15,4
2945	28,8	36	22222,2	22,2	15,9
3081	25,8	36	19907,4	19,9	14,2
3124	15,5	36	11959,9	12,0	8,5
3178	18,5	36	14274,7	14,3	10,2
3230	28,0	36	21604,9	21,6	15,4
3365	18,5	36	14274,7	14,3	10,2
3414	21,4	36	16512,3	16,5	11,8
3491	23,2	36	17901,2	17,9	12,8
3521	18,3	36	14120,4	14,1	10,1
3587	13,0	36	10030,9	10,0	7,2
3677	19,0	36	14660,5	14,7	10,5
3720	20,0	36	15432,1	15,4	11,0
3764	23,3	36	17978,4	18,0	12,8
3838	12,7	36	9799,4	9,8	7,0
3955	13,9	36	10725,3	10,7	7,7
4058	19,1	36	14737,7	14,7	10,5
4126	16,4	36	12654,3	12,7	9,0
4193	21,1	36	16280,9	16,3	11,6
4222	19,3	36	14892,0	14,9	10,6
4262	29,8	36	22993,8	23,0	16,4
4308	26,0	36	20061,7	20,1	14,3
4356	19,6	36	15123,5	15,1	10,8
4393	17,0	36	13117,3	13,1	9,4
4421	15,0	36	11574,1	11,6	8,3
4489	10,2	36	7870,4	7,9	5,6
4549	14,0	36	10802,5	10,8	7,7
4630	8,9	36	6867,3	6,9	4,9
4691	14,3	36	11034,0	11,0	7,9
4740	7,5	36	5787,0	5,8	4,1
4815	13,9	36	10725,3	10,7	7,7
4881	33,0	36	25463,0	25,5	18,2
4948	17,2	36	13271,6	13,3	9,5
5030	13,2	36	10185,2	10,2	7,3
5116	17,2	36	13271,6	13,3	9,5
5192	21,5	36	16589,5	16,6	11,8
5230	21,5	36	16589,5	16,6	11,8
5288	24,0	36	18518,5	18,5	13,2

Depth	Load (P)	Diameter (d)	$I_s=P/d^2$	$I_s=P/d^2$	$I_{s(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
5371	11,0	36	8487,7	8,5	6,1
5455	19,4	36	14969,1	15,0	10,7
5506	15,6	36	12037,0	12,0	8,6
5592	7,5	36	5787,0	5,8	4,1
5651	6,2	36	4784,0	4,8	3,4
5719	22,0	36	16975,3	17,0	12,1
5811	21,9	36	16898,1	16,9	12,1
5890	15,0	36	11574,1	11,6	8,3
5979	24,6	36	18981,5	19,0	13,6
6049	24,5	36	18904,3	18,9	13,5
6161	21,3	36	16435,2	16,4	11,7
6209	18,0	36	13888,9	13,9	9,9
6231	18,5	36	14274,7	14,3	10,2
6305	18,0	36	13888,9	13,9	9,9
6383	21,0	36	16203,7	16,2	11,6
6416	25,1	36	19367,3	19,4	13,8
6482	29,0	36	22376,5	22,4	16,0
6573	24,3	36	18750,0	18,8	13,4
6640	23,1	36	17824,1	17,8	12,7
6761	26,1	36	20138,9	20,1	14,4
6863	21,2	36	16358,0	16,4	11,7
6912	23,0	36	17746,9	17,7	12,7
6979	13,1	36	10108,0	10,1	7,2
7008	6,5	36	5015,4	5,0	3,6
7070	23,5	36	18132,7	18,1	13,0
7113	20,1	36	15509,3	15,5	11,1
7192	20,0	36	15432,1	15,4	11,0
7209	23,2	36	17901,2	17,9	12,8
7347	15,0	36	11574,1	11,6	8,3
7391	15,0	36	11574,1	11,6	8,3
7449	18,1	36	13966,0	14,0	10,0

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
0					
263	10,5	36	8101,9	8,1	5,8
270	11,3	36	8719,1	8,7	6,2
276	10,9	36	8410,5	8,4	6,0
283	11,1	36	8564,8	8,6	6,1
288	13,3	36	10262,3	10,3	7,3
295	15,4	36	11882,7	11,9	8,5
307	13,8	36	10648,1	10,6	7,6
313	9,7	36	7484,6	7,5	5,3
339	9,5	36	7330,2	7,3	5,2
345	5,7	36	4398,1	4,4	3,1
352	7,9	36	6095,7	6,1	4,4
358	10,0	36	7716,0	7,7	5,5
365	9,5	36	7330,2	7,3	5,2
390	9,7	36	7484,6	7,5	5,3
454	9,5	36	7330,2	7,3	5,2
460	10,0	36	7716,0	7,7	5,5
533	10,4	36	8024,7	8,0	5,7
540	9,2	36	7098,8	7,1	5,1
553	12,5	36	9645,1	9,6	6,9
558	10,1	36	7793,2	7,8	5,6
575	9,5	36	7330,2	7,3	5,2
581	13,0	36	10030,9	10,0	7,2
597	12,0	36	9259,3	9,3	6,6
605	17,0	36	13117,3	13,1	9,4
611	16,3	36	12577,2	12,6	9,0
617	13,3	36	10262,3	10,3	7,3
623	10,5	36	8101,9	8,1	5,8
635	10,9	36	8410,5	8,4	6,0
641	12,5	36	9645,1	9,6	6,9
647	12,5	36	9645,1	9,6	6,9
654	13,6	36	10493,8	10,5	7,5
660	13,5	36	10416,7	10,4	7,4
666	14,4	36	11111,1	11,1	7,9
672	11,7	36	9027,8	9,0	6,4
679	8,1	36	6250,0	6,3	4,5
691	19,5	36	15046,3	15,0	10,7
712	13,0	36	10030,9	10,0	7,2
718	13,2	36	10185,2	10,2	7,3
724	10,0	36	7716,0	7,7	5,5
748	12,1	36	9336,4	9,3	6,7
754	15,3	36	11805,6	11,8	8,4
760	18,1	36	13966,0	14,0	10,0
767	17,2	36	13271,6	13,3	9,5
773	16,5	36	12731,5	12,7	9,1
787	6,0	36	4629,6	4,6	3,3
805	11,0	36	8487,7	8,5	6,1
811	12,1	36	9336,4	9,3	6,7
817	12,0	36	9259,3	9,3	6,6
823	8,0	36	6172,8	6,2	4,4
830	9,8	36	7561,7	7,6	5,4
835	9,2	36	7098,8	7,1	5,1
841	12,1	36	9336,4	9,3	6,7
854	7,5	36	5787,0	5,8	4,1
860	8,7	36	6713,0	6,7	4,8
870	12,3	36	9490,7	9,5	6,8
877	13,3	36	10262,3	10,3	7,3

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
883	13,4	36	10339,5	10,3	7,4
889	13,0	36	10030,9	10,0	7,2
942	11,8	36	9104,9	9,1	6,5
1034	12,9	36	9953,7	10,0	7,1
1075	9,0	36	6944,4	6,9	5,0
1146	12,4	36	9567,9	9,6	6,8
1210	12,2	36	9413,6	9,4	6,7
1279	11,1	36	8564,8	8,6	6,1
1357	13,0	36	10030,9	10,0	7,2
1408	7,1	36	5478,4	5,5	3,9
1486	12,2	36	9413,6	9,4	6,7
1550	7,6	36	5864,2	5,9	4,2
1593	9,1	36	7021,6	7,0	5,0
1629	10,1	36	7793,2	7,8	5,6
1689	10,2	36	7870,4	7,9	5,6
1734	13,5	36	10416,7	10,4	7,4
1782	11,2	36	8642,0	8,6	6,2
1813	11,1	36	8564,8	8,6	6,1
1892	16,0	36	12345,7	12,3	8,8
1931	12,1	36	9336,4	9,3	6,7
2014	12,1	36	9336,4	9,3	6,7
2056	20,1	36	15509,3	15,5	11,1
2146	15,9	36	12268,5	12,3	8,8
2255	14,8	36	11419,8	11,4	8,2
2381	11,8	36	9104,9	9,1	6,5
2471	14,8	36	11419,8	11,4	8,2
2564	4,8	36	3703,7	3,7	2,6
2609	13,8	36	10648,1	10,6	7,6
2674	17,8	36	13734,6	13,7	9,8
2707	17,2	36	13271,6	13,3	9,5
2842	13,2	36	10185,2	10,2	7,3
2938	19,5	36	15046,3	15,0	10,7
3037	11,0	36	8487,7	8,5	6,1
3078	21,4	36	16512,3	16,5	11,8
3126	17,4	36	13425,9	13,4	9,6
3175	16,0	36	12345,7	12,3	8,8
3320	14,8	36	11419,8	11,4	8,2
3363	11,8	36	9104,9	9,1	6,5
3415	16,2	36	12500,0	12,5	8,9
3487	11,5	36	8873,5	8,9	6,3
3556	15,8	36	12191,4	12,2	8,7
3618	10,1	36	7793,2	7,8	5,6
3677	8,4	36	6481,5	6,5	4,6
3721	16,6	36	12808,6	12,8	9,1
3773	5,8	36	4475,3	4,5	3,2
3924	11,3	36	8719,1	8,7	6,2
3966	12,0	36	9259,3	9,3	6,6
4084	11,3	36	8719,1	8,7	6,2
4153	7,5	36	5787,0	5,8	4,1
4225	15,0	36	11574,1	11,6	8,3
4295	14,6	36	11265,4	11,3	8,0
4367	16,5	36	12731,5	12,7	9,1
4423	14,0	36	10802,5	10,8	7,7
4489	21,1	36	16280,9	16,3	11,6
4515	17,4	36	13425,9	13,4	9,6
4581	17,9	36	13811,7	13,8	9,9
4629	20,0	36	15432,1	15,4	11,0

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
4694	16,2	36	12500,0	12,5	8,9
4726	22,9	36	17669,8	17,7	12,6
4781	20,2	36	15586,4	15,6	11,1
4856	21,0	36	16203,7	16,2	11,6
4915	18,1	36	13966,0	14,0	10,0
4979	18,0	36	13888,9	13,9	9,9
5049	13,8	36	10648,1	10,6	7,6
5126	19,0	36	14660,5	14,7	10,5
5249	19,0	36	14660,5	14,7	10,5
5336	16,4	36	12654,3	12,7	9,0
5420	8,3	36	6404,3	6,4	4,6
5475	10,6	36	8179,0	8,2	5,8
5528	15,2	36	11728,4	11,7	8,4
5571	16,1	36	12422,8	12,4	8,9
5653	12,9	36	9953,7	10,0	7,1
5708	12,2	36	9413,6	9,4	6,7
5773	15,7	36	12114,2	12,1	8,7
5840	17,7	36	13657,4	13,7	9,8
5947	23,5	36	18132,7	18,1	13,0
6052	15,0	36	11574,1	11,6	8,3
6155	14,0	36	10802,5	10,8	7,7
6210	18,8	36	14506,2	14,5	10,4
6251	6,3	36	4861,1	4,9	3,5
6361	5,3	36	4089,5	4,1	2,9
6422	11,7	36	9027,8	9,0	6,4
6470	13,6	36	10493,8	10,5	7,5
6542	15,8	36	12191,4	12,2	8,7
6670	18,2	36	14043,2	14,0	10,0
6764	13,1	36	10108,0	10,1	7,2
6848	8,5	36	6558,6	6,6	4,7
6882	15,7	36	12114,2	12,1	8,7
6953	14,0	36	10802,5	10,8	7,7
7042	12,5	36	9645,1	9,6	6,9
7158	14,5	36	11188,3	11,2	8,0
7211	9,8	36	7561,7	7,6	5,4
7292	11,0	36	8487,7	8,5	6,1
7350	11,5	36	8873,5	8,9	6,3
7415	10,8	36	8333,3	8,3	6,0
7484	15,0	36	11574,1	11,6	8,3
7510	11,1	36	8564,8	8,6	6,1
7577	14,2	36	10956,8	11,0	7,8
7594	16,2	36	12500,0	12,5	8,9
7635	11,1	36	8564,8	8,6	6,1
7769	12,0	36	9259,3	9,3	6,6
7841	11,0	36	8487,7	8,5	6,1
7946	13,2	36	10185,2	10,2	7,3
7982	17,1	36	13194,4	13,2	9,4
8037	12,2	36	9413,6	9,4	6,7
8089	12,0	36	9259,3	9,3	6,6
8159	11,8	36	9104,9	9,1	6,5
8249	8,5	36	6558,6	6,6	4,7
8352	13,3	36	10262,3	10,3	7,3
8429	14,8	36	11419,8	11,4	8,2
8519	12,1	36	9336,4	9,3	6,7
8652	15,0	36	11574,1	11,6	8,3
8735	14,6	36	11265,4	11,3	8,0
8815	15,0	36	11574,1	11,6	8,3

Depth cm	Load (P) kN	Diameter (d) mm	$I_S=P/d^2$ kN/m ²	$I_S=P/d^2$ MPa	$I_{S(50)}$ MPa
8895	19,0	36	14660,5	14,7	10,5
8979	13,1	36	10108,0	10,1	7,2
9064	13,5	36	10416,7	10,4	7,4
9145	19,9	36	15354,9	15,4	11,0
9242	15,1	36	11651,2	11,7	8,3
9312	16,5	36	12731,5	12,7	9,1
9374	13,4	36	10339,5	10,3	7,4
9422	16,1	36	12422,8	12,4	8,9
9556	17,8	36	13734,6	13,7	9,8
9607	15,8	36	12191,4	12,2	8,7
9693	9,5	36	7330,2	7,3	5,2
9714	9,9	36	7638,9	7,6	5,5
9770	19,8	36	15277,8	15,3	10,9
9841	16,4	36	12654,3	12,7	9,0
9886	14,0	36	10802,5	10,8	7,7
9911	16,1	36	12422,8	12,4	8,9
9978	12,4	36	9567,9	9,6	6,8

Depth cm	Load (P) kN	Diameter (d) mm	$I_S=P/d^2$ kN/m ²	$I_S=P/d^2$ MPa	$I_{S(50)}$ MPa
0					
108	17,8	32	17382,8	17,4	11,5
209	16,6	32	16210,9	16,2	10,7
233	17,9	32	17480,5	17,5	11,5
245	14,4	32	14062,5	14,1	9,3
259	10,3	32	10058,6	10,1	6,6
271	12,2	32	11914,1	11,9	7,9
284	11,0	32	10742,2	10,7	7,1
295	18,8	32	18359,4	18,4	12,1
358	11,9	32	11621,1	11,6	7,7
421	15,9	32	15527,3	15,5	10,3
445	17,0	32	16601,6	16,6	11,0
452	13,2	32	12890,6	12,9	8,5
477	10,0	32	9765,6	9,8	6,4
532	9,5	32	9277,3	9,3	6,1
538	6,0	32	5859,4	5,9	3,9
562	6,0	32	5859,4	5,9	3,9
623	8,1	32	7910,2	7,9	5,2
629	7,0	32	6835,9	6,8	4,5
647	10,6	32	10351,6	10,4	6,8
654	8,9	32	8691,4	8,7	5,7
687	9,8	32	9570,3	9,6	6,3
713	7,6	32	7421,9	7,4	4,9
726	8,5	32	8300,8	8,3	5,5
743	9,4	32	9179,7	9,2	6,1
759	5,9	32	5761,7	5,8	3,8
822	27,4	36	21142,0	21,1	15,1
827	19,0	36	14660,5	14,7	10,5
833	27,2	36	20987,7	21,0	15,0
884	17,8	36	13734,6	13,7	9,8
890	23,4	36	18055,6	18,1	12,9
905	29,3	36	22608,0	22,6	16,1
912	23,0	36	17746,9	17,7	12,7
930	29,0	36	22376,5	22,4	16,0
942	27,5	36	21219,1	21,2	15,2
949	18,2	36	14043,2	14,0	10,0
955	21,1	36	16280,9	16,3	11,6
961	25,0	36	19290,1	19,3	13,8
967	22,9	36	17669,8	17,7	12,6
978	25,5	36	19675,9	19,7	14,1
985	23,1	36	17824,1	17,8	12,7
1026	15,6	36	12037,0	12,0	8,6
1039	24,1	36	18595,7	18,6	13,3
1044	26,0	36	20061,7	20,1	14,3
1143	22,1	36	17052,5	17,1	12,2
1237	28,6	36	22067,9	22,1	15,8
1282	20,4	36	15740,7	15,7	11,2
1310	21,4	36	16512,3	16,5	11,8
1369	23,7	36	18287,0	18,3	13,1
1470	26,6	36	20524,7	20,5	14,7
1564	21,1	36	16280,9	16,3	11,6
1611	28,1	36	21682,1	21,7	15,5
1687	18,5	36	14274,7	14,3	10,2
1721	22,2	36	17129,6	17,1	12,2
1821	28,6	36	22067,9	22,1	15,8
1871	18,3	36	14120,4	14,1	10,1
1926	13,4	36	10339,5	10,3	7,4

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
2037	20,0	36	15432,1	15,4	11,0
2186	18,8	36	14506,2	14,5	10,4
2250	28,0	36	21604,9	21,6	15,4
2362	17,5	36	13503,1	13,5	9,6
2438	16,9	36	13040,1	13,0	9,3
2457	19,9	36	15354,9	15,4	11,0
2561	24,8	36	19135,8	19,1	13,7
2613	20,3	36	15663,6	15,7	11,2
2744	21,4	36	16512,3	16,5	11,8
2864	18,6	36	14351,9	14,4	10,3
2941	16,9	36	13040,1	13,0	9,3
3050	23,0	36	17746,9	17,7	12,7
3146	23,5	36	18132,7	18,1	13,0
3240	26,3	36	20293,2	20,3	14,5
3281	23,7	36	18287,0	18,3	13,1
3310	24,1	36	18595,7	18,6	13,3
3380	12,3	36	9490,7	9,5	6,8
3490	14,2	36	10956,8	11,0	7,8
3517	17,0	36	13117,3	13,1	9,4
3625	26,3	36	20293,2	20,3	14,5
3790	9,9	36	7638,9	7,6	5,5
3875	19,9	36	15354,9	15,4	11,0
3950	23,3	36	17978,4	18,0	12,8
4020	18,5	36	14274,7	14,3	10,2
4055	19,4	36	14969,1	15,0	10,7
4160	19,0	36	14660,5	14,7	10,5
4250	12,8	36	9876,5	9,9	7,1
4350	17,3	36	13348,8	13,3	9,5
4443	12,7	36	9799,4	9,8	7,0
4536	2,8	36	2160,5	2,2	1,5
4593	21,2	36	16358,0	16,4	11,7
4641	6,0	36	4629,6	4,6	3,3
4725	12,0	36	9259,3	9,3	6,6
4830	13,7	36	10571,0	10,6	7,6
4890	18,5	36	14274,7	14,3	10,2
4910	18,5	36	14274,7	14,3	10,2
4965	11,8	36	9104,9	9,1	6,5
5040	17,9	36	13811,7	13,8	9,9
5090	18,7	36	14429,0	14,4	10,3
5150	18,7	36	14429,0	14,4	10,3
5186	15,2	36	11728,4	11,7	8,4
5240	14,8	36	11419,8	11,4	8,2
5285	11,0	36	8487,7	8,5	6,1
5340	13,5	36	10416,7	10,4	7,4
5425	10,0	36	7716,0	7,7	5,5
5495	14,5	36	11188,3	11,2	8,0
5540	14,1	36	10879,6	10,9	7,8
5675	14,5	36	11188,3	11,2	8,0
5740	24,6	36	18981,5	19,0	13,6
5860	20,0	36	15432,1	15,4	11,0
5930	23,0	36	17746,9	17,7	12,7
5986	14,0	36	10802,5	10,8	7,7
6031	17,2	36	13271,6	13,3	9,5
6121	15,9	36	12268,5	12,3	8,8
6158	30,8	36	23765,4	23,8	17,0
6250	23,0	36	17746,9	17,7	12,7
6345	15,2	36	11728,4	11,7	8,4

Depth	Load (P)	Diameter (d)	$I_S=P/d^2$	$I_S=P/d^2$	$I_{S(50)}$
cm	kN	mm	kN/m ²	MPa	MPa
6475	19,9	36	15354,9	15,4	11,0
6550	20,2	36	15586,4	15,6	11,1
6630	22,0	36	16975,3	17,0	12,1
6760	24,2	36	18672,8	18,7	13,3
6825	21,4	36	16512,3	16,5	11,8
6940	20,0	36	15432,1	15,4	11,0
7065	18,9	36	14583,3	14,6	10,4
7150	25,2	36	19444,4	19,4	13,9
7230	18,2	36	14043,2	14,0	10,0
7390	24,0	36	18518,5	18,5	13,2
7450	22,0	36	16975,3	17,0	12,1
7535	28,0	36	21604,9	21,6	15,4
7680	26,4	36	20370,4	20,4	14,6
7740	25,9	36	19984,6	20,0	14,3
7880	25,7	36	19830,2	19,8	14,2
7950	20,9	36	16126,5	16,1	11,5
8066	21,9	36	16898,1	16,9	12,1
8161	17,0	36	13117,3	13,1	9,4
8240	19,3	36	14892,0	14,9	10,6
8360	22,0	36	16975,3	17,0	12,1
8452	16,0	36	12345,7	12,3	8,8
8520	21,0	36	16203,7	16,2	11,6
8680	17,4	36	13425,9	13,4	9,6
8794	16,3	36	12577,2	12,6	9,0
8830	24,4	36	18827,2	18,8	13,4
8972	22,9	36	17669,8	17,7	12,6
9020	28,4	36	21913,6	21,9	15,7
9175	17,5	36	13503,1	13,5	9,6
9248	15,1	36	11651,2	11,7	8,3
9376	17,6	36	13580,2	13,6	9,7
9450	26,2	36	20216,0	20,2	14,4
9585	25,3	36	19521,6	19,5	13,9
9650	18,2	36	14043,2	14,0	10,0
9735	21,0	36	16203,7	16,2	11,6
9770	19,0	36	14660,5	14,7	10,5
9856	22,5	36	17361,1	17,4	12,4
9887	16,0	36	12345,7	12,3	8,8
9920	17,2	36	13271,6	13,3	9,5
9965	17,5	36	13503,1	13,5	9,6
10009	12,1	36	9336,4	9,3	6,7