Aktomslag
For A 4

FOKSTUHFELTET

Kjernebeskrivelser

4447

THE BOREHOLE NR. 121, Fokstua.

(The petrografical description).

0,00 - 5,80 The tender-grained amphibolitic and locally amphibolitic-epidotic greenstone with a lot of very little intercalations, little veins of quartz, which are paralel with the total schistosity. The schistose structure is very clear. The chlorite and some small micas of biotite are present too but on the plates of foliation mostly. The total colour of this rock is bright green-gray and bright gray-green too. The average gradient of this foliation is 50° - 55°, but locally 40° - 45° about.
Between 2,80 - 5,80 m are present some very thin intercalations of the strongly biotitic mica schist and biotitic greenschist and some schliers or pellets, which follow this total schistosity and which are created by the micas of biotite.

5,80 - 9,00 The strongly biotitic and garnetic mica schist with some zoisit-epidote. Garnet creat a lot of little small grains, which concentrate to some acumulations locally. Some intercalations, little and irregular mostly are created by the biotite only. Quartzite creat not so much little intercalations or little veins, or schliers and pellets too, which are paralel with the total schistosity. The schistose and locally phacoidal-schistose structure is clear. The total colour of this rock is grey, dark gray and bright gray locally too. The average gradient of this foliation is 50° and 55° about.

9,00 - 9,55 The tectonic, breccic, which are created by biotitic, garnet mica schist, by tender-grained amphibolitic greenstone an d by tender-grained amphibolitic greenstone with a lot of grains of garnet. The cement matter creat quartz more and carbonates too. The some very poor and very weak impregnation of FeS_2 mostly are present locally only.

9,55 - 20,40 The strongly biotitic, quartzy mica schist, with a lot of schliers or pellets and little intercalations of quartz, which are paralel with the total foliation. The garnet isn't present or very scarcely only. The paralel schistose and locally the paralel phacoidal-schistose structure is very clear. Somewhere is present more chlorite too. The total colour of this rock is gray and lobally dark grey. The average gradient of this foliation is 50° round.

20,40 - 21,80 The tender-grained amphibolitic and locally amphibolitic-epidotic greenstone, with chlorite and little bit biotite on the plates of this foliation mostly. Locally are concentrate the micas of biotite to some small schliers or pellets, which follow the total schistosity. The quartz creat some little intercalations or little schliers or pellets, which are paralel with this total schistosity. The total colour of this rock is green-grey or bright green-gray. The total schistose structure is clear enough. The average gradient of this foliation is 50° - 55° round.

21,80 - 21,95 The very strong impregnation of FeS mostly, but locally only with some very few $CuFeS_2$ scarce only.

0.60 % Cu, 0.55 % Zn, 21.60 % S

21,95 - 22,70 The tender-grained amphibolitic greenstone the same as in 20,40 - 21,80 m. The average gradient of this foliation is 50° but locally 55° round.

22,70 - 24,70 The motley serie of the same tender-grained amphibolitic greenstone like in 20,40 - 21,80 m and of some thin intercalations of the biotitic-chloritic greenschist. The schistose struature is very clear. The total colour of this rock is gray-green or bright green-gray too.

The average gradient of this foliation is 50° about.

24,70 - 25,90 The strongly biotitic and chloritic mica schist and locally greenschist with a lot of grains of garnet and with some thin intercalations of quartzite and with not so much little veins of quartz. The schistose structure is very clear. The total colour of this rock is gray and green-gray too. The average gradient of this foliation is 50° round.

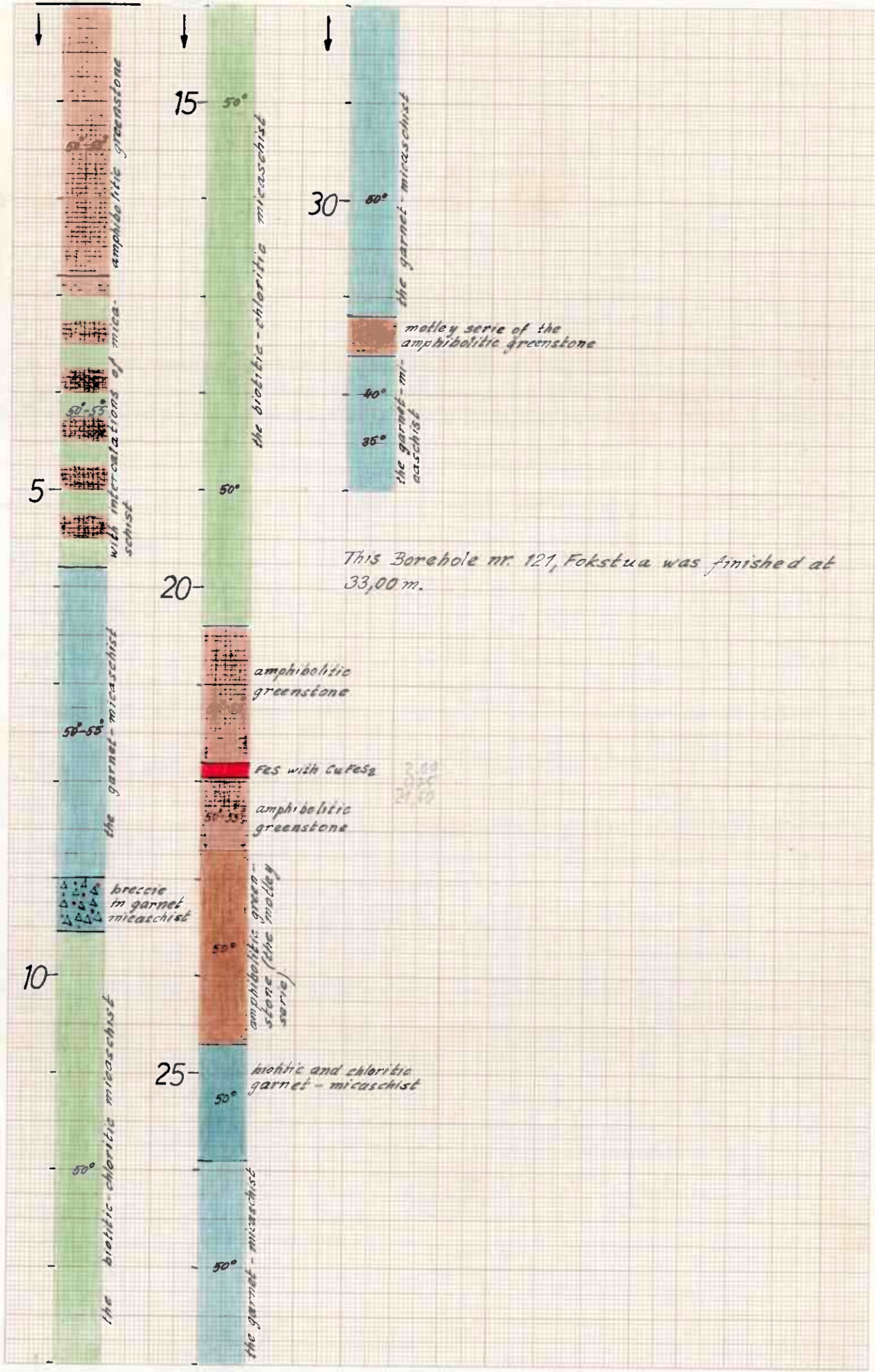
25,90 - 31,20 The biotitic and little bit chloritic, strongly quartzy mica schist without garnet. The schistose structure is very clear. The total colour of this rock is bright grey and little bit bright green-gray too. The average gradient of this foliation is 50° round.

31,20 - 31,60 The motley serie, which is crested by the tender-grained amphibolitic grenstone like 20,40 - 21,80 m and by some very thin intercalations of strongly biotitic and chloritic greenschist and mica schist without garnet, the same as in 24,70 - 25,90 m. The paralel schistose structure is very clear. The total colour of this rock is bright green-gray and green-gray. The average gradient of this foliation is 45° and 50° about.

31,60 - 33,00 The strongly biotitic, quartzy mica schist with some chlorite, mostly on the plates of foliation and with a lot of small grains of garnet. The quartz crest a lot of little veins or little intercalations which are paralel with the total schistosity. The schistose and phacoidal-schistose structure is very clear. Locally is present some folding of the cm and maximally dm amplitude. The total colour of this rock is gray mostly. The average gradient of this foliation is 40° but 35° mostly.

This borehole nr. 121, Fokstua was finished at 33,00 m.

The profile of the borehole nr. 121, Fokstua



THE PROFILE OF THE BOREHOLE NR. 122, Fokstua.

(The petrographical description).

0,00 - 22,10 The motley serie of the tender-grained amphibolitic greenstone and of the biotitic amphibolitic and amphibolitic-epidotic and chloritic greenschist. Locally are present some very little intercalations or very little veins of quartz. Somewhere the biotite's micas are concentrate to some irregular intercalations or to some schliers, pellets ate. The paralel schistose structure is clear. The total colour of this rock is bright gray-green or bright green-gray. The average gradient of this foliationis 50° and 55° round.

22,10 - 24,45 The motley serie of the chloritic, sericitic and biotitic mica schist without garnet and with a lot of little schliers, pellets and very little lenticles of the quartz and locally only with some thin intercalations of amphibolitic, chloritic greenschist with some biotite or with some thin intercalations of of the tender-grained amphibolitic greenstone, like in 0,00 - 22,10 m. The phacoidal schistose and phacoidal structure are present mostly. The total colour of this rock is bright green-gray and very bright green-gray. The average gradient of this foliation is 60° about.

24,45 - 26,05 The motley serie of the amphibolitic, chloritic greenschist with a lot of small grains of garnet, with some very thin intercalations of the biotitic and chloritic mica schist, with some little grains of garnet, with some positions or intercalations of the tender-grained amphibolitic and amphibolitic-epidotic greenstone and with some thin intercalations of the quartzite (white-gray or gray). The total schistose and phacoidal schistose structure is clear, locally only phacoidal. The average gradient of this foliation is 60° round.

Between 25,00 - 26,05 m are present the tender-grained amphibolitic and locally amphibolitic-epidotic greenstone, with some chlorite and few micas of biotite on the plates of foliation and with some little veins or little intercalations or schliers of quartz and with some small spots of carbonates locally only.

26,05 - 27,60 The white-gray and gray and more little dark gray quartzite with some very weak and very poor microimpregnation of Fe_3O_4, with some very thin (2 - 3 mm thickness maximally) intercalations or schliers of Fe_3O_4. In this quartzite are present chlorite and some intercalations of chlorite amphibolitic-epidotic greenstones and

greenschists with a lot of grains of garnet in, but without any sulphidic mineralisation, mostly round 26,70 - 26,90 m. The average gradient of this foliation is 50° round.

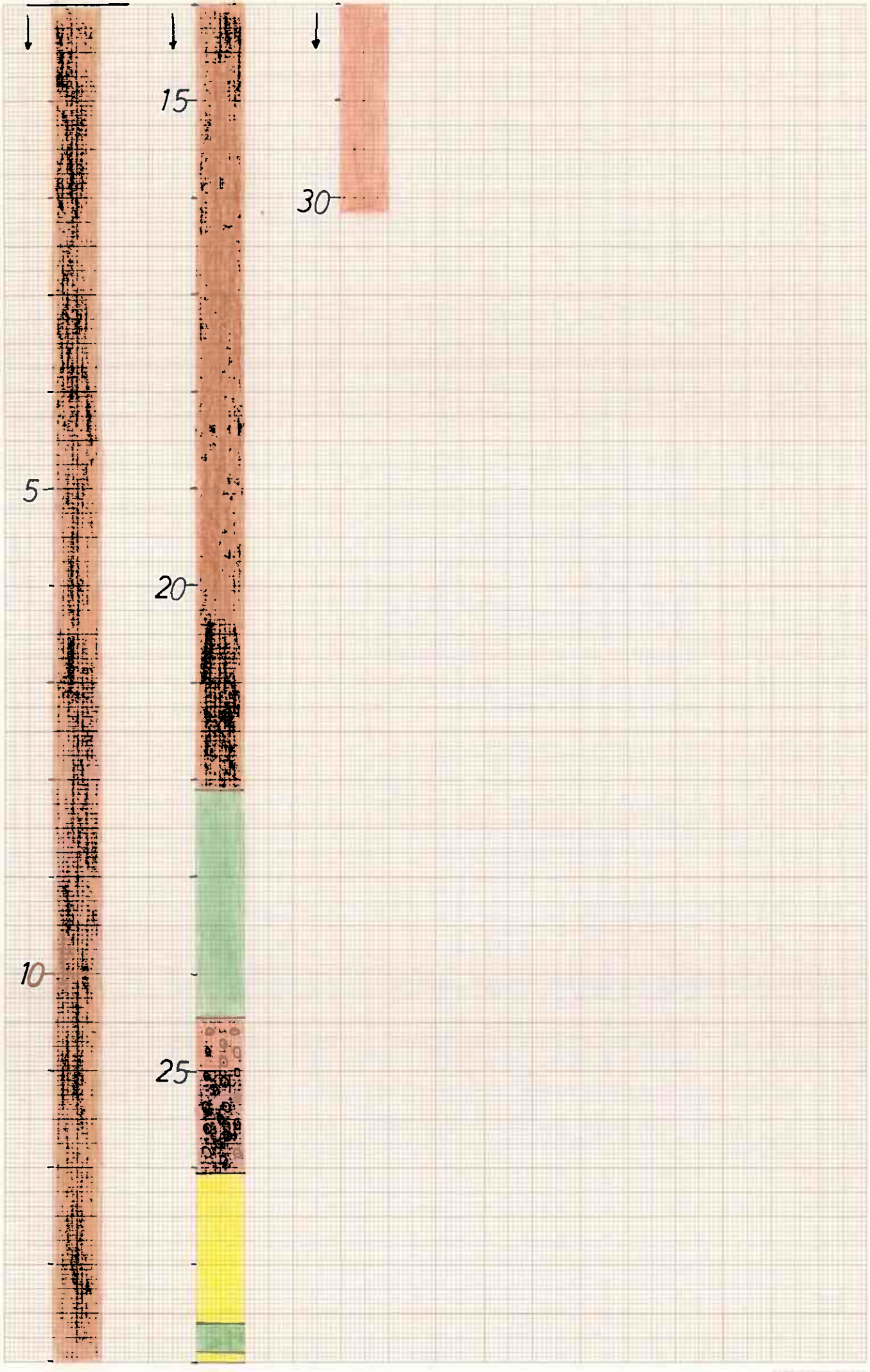
27,60 - 27,90 The motley serie of the strongly biotitic and little bit chloritic mica schist, with a lot of schliers and pellets or little intercalations of the tender-grained amphibolitic and episotic greenstone, with some not much spots of carbonates and with some very little veins of quartz, which are paralel with the total schistosity. The totalstructure is phacoidal schistose. The average gradient of this foliation is 60° round.

27,90 - 28,00 The gray quartzite like as in 26,05 - 27,60 m but without some impregnation of Fe_2O_4, and without some the sulphidic mineralisation.

28,00 - 30,15 The serie of the sericitic amphibolitic and epidotic greenschist and tender-grained greenstone with the clear schistosity, mostly and with some irregular little intercalations or schliers and pellets or irregular lenticles of quartz, which has locally round its boundary some carbonate's thin somes. The total colour of this rock is bright gray-green. The average gradient of this foliation is 55° and 60° round.

This Borehole nr. 122, Fokstua was finished at 30,15 m.

The profile of the borehole nr. 122, Fokstua



THE PROFILE OF THE BOREHOLE NR. 123, FOKSTUA.

(The petrografical description).

0,00 - 10,70	The biotitic and chloritic mica schist with some sericite and with some small grains of garnet. The paralel schistose structure is very clear, but the paralel phacoidal-schistose structure is more locally. The total colour of this rock is green-gray. The average gradient of this foliation is 25^{o} - 30^{o} round.
10,70 - 14,00	The tender-grained amphibolitic greenstone, with some chlorite, mostly on the plates of foliation, with some not so much very little intercalations or very little veins of quartz, which are paralel with schistosity. The some small spots of carbonates are present too, but only somewhere. The very weak and very poor impregnation of FeS_2 mostly are present too. The paralel schistose structure is clear enough. The total colour of this rock is bright green or bright gray-green too. The average gradient of this foliation is 20^{o} - 25^{o} round.
14,00 - 14,70	The strongly biotitic and chloritic greenschist with some zoisit-epidote and with a lot of very little intercalations or very little veins of quartz, which are paralel with schistosity. The paralel schistose structure is very clear. The total colour of this rock is dark green-gray or dark gray-green too. Some very weak and very poor impregnation of FeS_2 is scarce only. The average gradient of this foliation is 35^{o} - 40^{o} about.
14,70 - 19,80	The tender-grained amphibolitic and epidotic locally only greenstone, the same as in 10,70 - 14,00 m but locally with some thin intercalations of the strongly biotitic and chloritic greenschist, like in 14,00 - 14,70 m. The total schistose structure is clear enough. The average gradient of this foliation is 35^{o} about.
19,80 - 20,15	The strongly biotitic and chloritic amphibolitic and mostly epidotic greenschist, the same as in 14,00 - 14,70 m, but with a lot of schlieri pellets or little intercalations of quartz, which are paralel with schistose structure mostly. Locally are present some the irregular schliers or pellets of the concentration of micas of biotite. The average gradient of this foliation is 40^{o} - 45^{o} round, but locally 50^{o} about too.
20,15 - 22,75	The tender-grained amphibolitic greenstone with a few chlorite, mostly on the plates of foliation and with a lot of very little intercalations or very little veins , which are paralel with the schistosity and which are created by quartz. Quartz creat some small

schliers, pellets or little lenticles too. Locally is present some very weak and very poor impregnation of FeS_2 mostly only. The paralel schistose structure is very clear, but locally is present more paralel phacoidal schistose structure. The average gradient of this foliation is 40° about.

22,75 - 22,95 The very strong impregnation of $CuFeS_2$, FeS_2 and FeS (submarin exhalation, metasomatic and hydrothermal) in the white and white-gray quartzite.

22,95 - 23,10 The biotitic and chloritic, amphibolitic and locally epidotic greenschist with some intercalations of the tender-grained amphibolitic greenstone. The micas of biotite and the chlorite are present on the plates of foliation mostly only. The total colour of this rock is gray-green or bright gray-green. The paralel schistose structure is very clear. Locally is present the very weak and very poor impregnation of FeS_2 mostly only. The average gradient of this foliation is 35° - 40° round.

23.10 - 24,25 The strong, locally very strong impregnation of FeS_2 mostly, but locally with more $CuFeS_2$ and scarce with FeS too, in the white and white-gray quartzite. Locally are present some little intercalations or little veins of quartzite or of quartz, which are paralel with schistosity of the overlying rock and underlying rock too. The average gradient of this foliation is 40° - 45° round.

24,25 - 31,65 The tender-grained amphibolitic greenstone like in 10,70 - 14,00 m, but locally the same as in 20,15 - 22,75 m. The average gradient of this foliation is 40° and 45° about, but locally 50° round too.
In 24,45 and in 24,50 m are present some irregular schliers of the strong impregnation of FeS, which follow the total schistosity and which are thickness 0,5 cm maximally only in average.

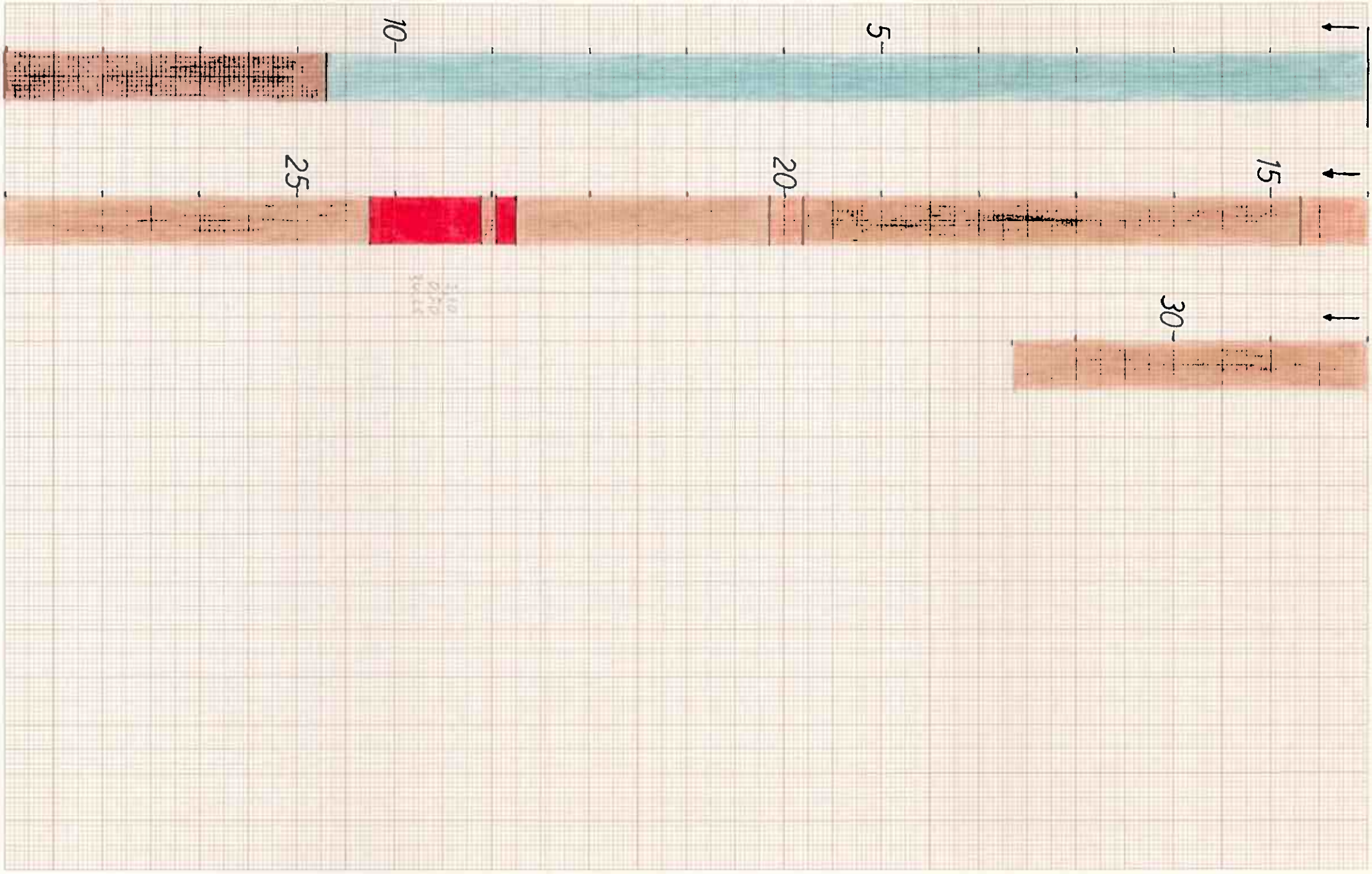
This borehole nr. 123, Fokstua was finished at 31,65 m.

+ 6.50 m overlekke

Analyseresultat 22.75 - 24.25 m

2.10 Cu, 0.50 Zn, 34.25 S

The profile of the borehole nr. 123, Fokstua



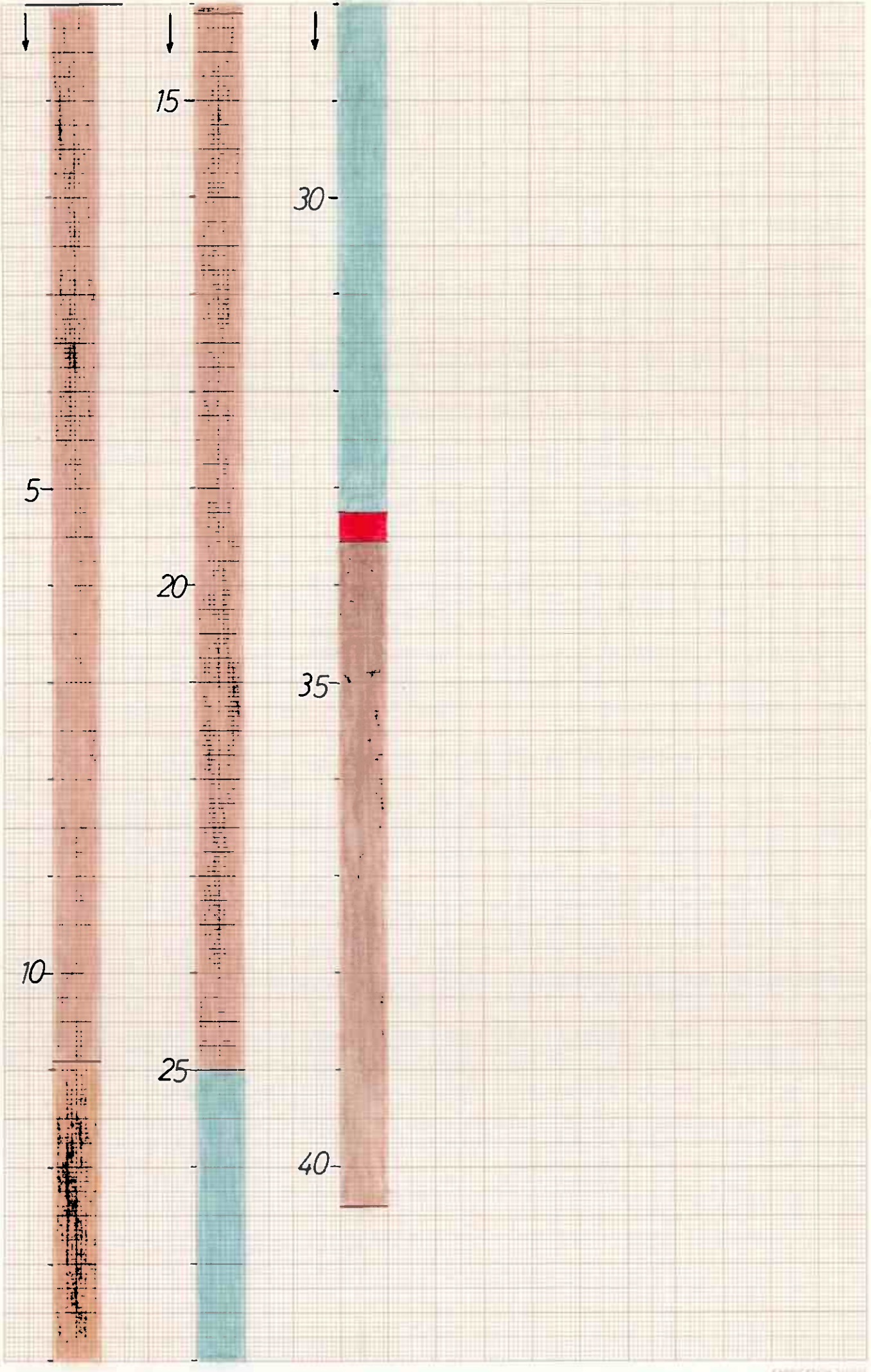
THE PROFILE OF THE BOREHOLE NR. 125, FOKSTUA.

The petrograficafical description.

0,00 - 11,90	The tender-grained amphibolitic and amphibolitic-epidotic greenstone with some chlorite, mostly on the flakes of foliation only, with some schliers or pellets of quartz mostly and with some thin intercalations of the biotitic-chloritic, amphibolitic greenschist. The total schistosity is clear enough. The total colour of this rock is green or gray-green too. The average gradient of this foliation is 45° round.
11,90 - 14,10	The tender-grained amphibolitic greenstone as well as in 0,00 - 11,90 m, but with some violet-green colour. May be some footprint after some contac metamorphose. The schistosity is clear enough. The average gradient of this foliation is 45° round.
14,10 - 25,00	The tender-grained chloritic and amphibolitic greenstone, locally more amphibolitic-epidotic greenstone, with chlorite and some micas of biotite mostly on the plates of foliation only. The quartz creat some schliers or pellets and carbonates creat some spots or some little irregular veins, but not so much, scarcely mostly. Biotite's micas are concentrated to some small schliers or or pellets, which follow the direction of this the total schistosity. Locally are present some thin intercalations of the chloritic-biotitic amphibolitic greenschist. The schistose structure is clear enough. The total colour of this rock is gray-green or bright gray-green too. The average gradient of this foliation is 45° round.
25,00 - 33,25	The chloritic and biotitic mica schist, with some small grains of garnet, with some very little intercalations of quartz. The schistose structure is clear enough. The total colour is little bit violet-green or gray-green. The average gradient of this foliation is 45° - 50° round.
33,25 - 33,55	The strong impregnation of FeS_2 and FeS and near the border of the overlying rock is present scarce only $CuFeS_2$. This sulphides impregnation is in the quartzite. Cu - 0.16 %, Zn 0.10 % S 20.85 %
33,55 - 40,40	The tender-grained amphibolitic greenstone as well as in 0,00 - 11,90 m and 14,10 - 25,00 m. The average gradient of this foliation is 45° round.

This borehole nr. 125, Fokstua was finished at 40,40 m.

The profile of the borehole nr.125, Fokstua



THE PROFILE OF THE BOREHOLE NR. 124. Fokstua.

(The petrographical desription).

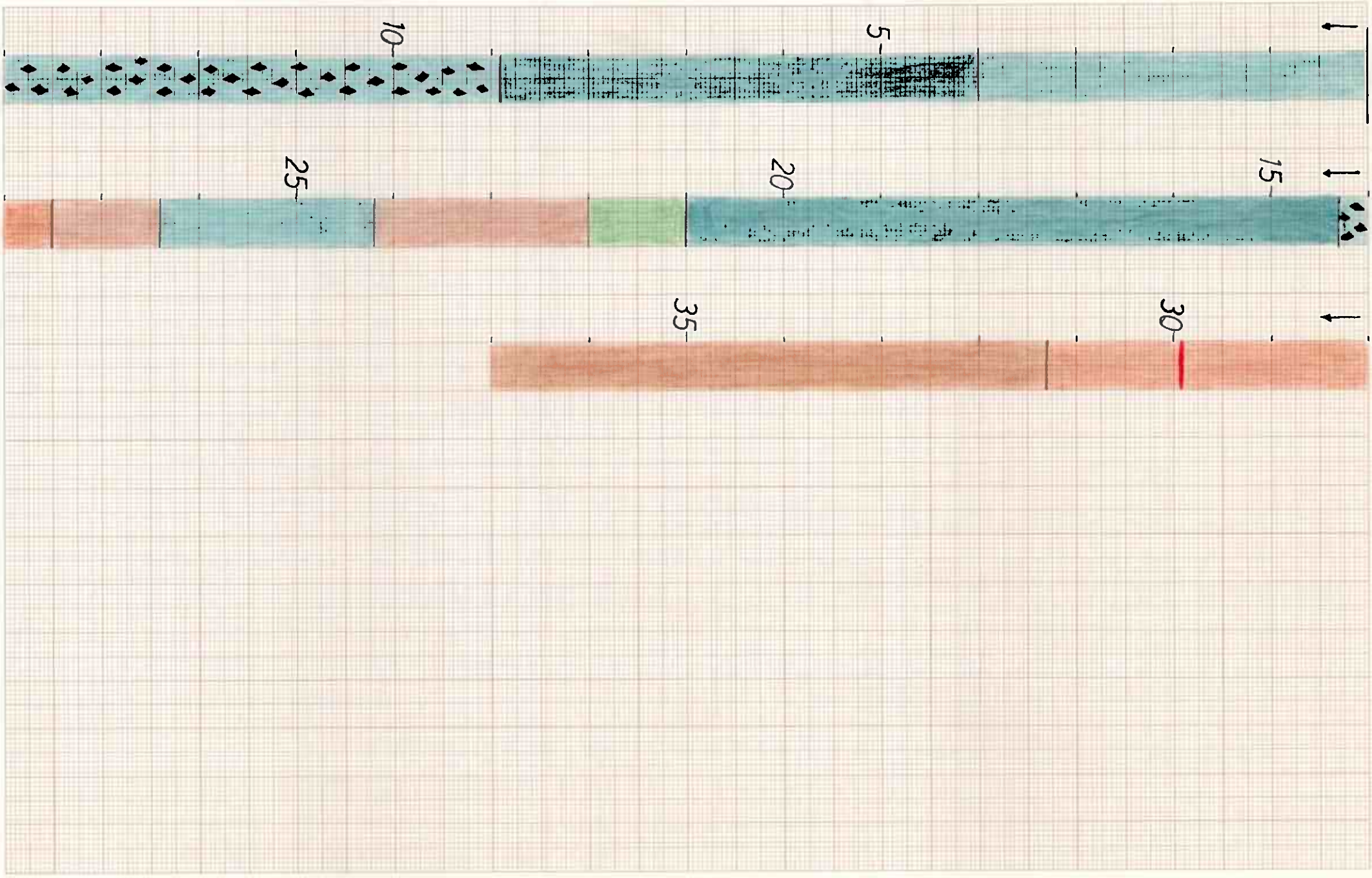
0,00 - 4,00	The biotitic, sericitic quartzy mica schist with not so much grains of garnet. The structure is paralel phacoidal schistose or schistose. The total colour of this rock is very bright gray. The average gradient of this schistosity is 25° about.
4,00 - 8,90	The chloritic and sericitic mica schist with some small grains of garnet and with some, not so much micas of biotite, which are mostly on the plates of foliation. The paralel schistose structure is clear. Quartz creat some very little paralel intercalations or schliers and pellets. The total colour of this rock is bright green-gray. The average gradient of this foliation is 45° - 40° round.
8,90 - 14,30	The chloritic mica schist with not so much grains (small) of garnet and locally only on some plates of foliation with not so much small micas of biotite, but with a lot of grains of Fe_2O_3 (the maximally size is 2 mm in average). Some little paralel intercalations or schliers creat quartzite or quartz. The schistose (paralel) structure is clear. The total colour of this rock is bright gray-green or bright green-gray. The average gradient of this foliation is 40° - 45° round.
14,30 - 21,00	The chloritic and sericitic mica schist, as well as in 4,00 - 8,90 m. The average gradient of this foliation is 40° about.
21,00 - 22,00	The chloritic and little bit sericitic mica schist, just the same as in 8,90 - 14,30, but with some thin little intercalations of the strong biotitic, sericitic, quartzy mica schist without garnet. The average gradient of this foliation is 40° about.
22,00 - 24,20	The tender-grained, chloritic and epidotic, amphibolitic greenstone with a lot of intercalations, schliers or pellets or lenticles of quartz mostly, but locally of carbonates too. The average gradient of this foliation is 45° about. The schistosity is clear enough. The total colour of this rock is green or bright green too.
24,20 - 26,40	The biotitic, chloritic and little bit sericitic quartzy mica schist with not so much grains of garnet. The paralel phacoidal schistose structure is clear. The total colour of this rock is bright green-gray or bright gray-green too. The average gradient of this foliation is 40° round.

26,40 - 27,50	The tender-grained amphibolitic greenstone as well as in 22,00 - 24,20 m. The average gradient of this foliation is 40° round.
27,50 - 31,30	The chloritic and amphibolitic and zoisit-epidotic greenschist with some micas of biotite an locally with some thin intercalations of strongly biotitic quartzy mica schist. In this greenschist are present a lot of irregular little intercalations or little schliers and pellets of quartz mostly, but locally of carbonates too. Carbonates creat also some small spots somewhere. The paralel schistose structure is clear enough. The total colour of this rock is gray-green or bright gray-green too. The average gradient of this foliation is 35° about. In 29,90 m is some irregular little veins of very strong impregnation of FeS only. The average thickness of this vein is 0,5 - 1 cm. This vein isn't so paralel with the total schistosity.
31,30 - 37,00	The motley serie, in which exchange position or intercalations of the chloritic-amphibolitic greenschist, as well as in 27,50 - 31,30 m, positions or intercalations of tender-grained amphibolitic greenstone, as well as in 22,00 - 24,20 m and some intercalations of strongly biotitic and chloritic greenschist or biotitic-chloritic mica schist. The schistose structure is clear enough. The total colour of this motley serie is bright gray-green or gray-green. The average gradient of this foliation is 45° - 50° about.

This Borehole nr. 124, Fokstua was finished at 37,00 m.

Forlenget av VEM L.C. 98,05 m + 3,10 m overdekke

The profile of the borehole nr. 124, Fokstua



BORHULL NR. 130, NORDSETER FOKSTUA.

3750V - 50N

0,00 - 7,65 Overdekning.

7,65 - 28,00 Klorittisk grønnskifer. Relativt massiv. Finkornet. Lokale partier med korn av biotitt og noe muskovitt parallelt skifrighetsplanene. Lokalt finnes også partier som er rike på kvarts og feltspat. Bergarten inneholder smale årer og slirer av kvarts. Disse går dels parallelt skifrigheten og dels ikke. Fargen er lys grønn. Varierende skifrighet, 35 - 55 grd. Svake impregnasjoner av magnetkis kan observeres.

28,00 - 32,95 Glimmerskifer. Biotitt-rik med granater opptil 3 mm., ellers middelskornig. Fargen er mørk grå. Skifrigheten er 40 grd.

32,95 - 38,45 Som 7,65 - 28,00, men med biotitt også som ikke-orienterte korn, runde og kantete med en diameter på omlag 3 - 4 mm. Jevn skifrighet, 35 grd.

38,45 - 73,10 Grønnskifer. Rik på kvarts og feltspat. Lokale partier med biotitt parallelt skifrigheten. Små uregelmessige årer og slirer av kvarts og karbonater. Finkornet bergart med dårlig skifrighet. Lys grønn gråspraglet farge. Foliasjon 50 grd. 47,10 - 49,60: Sekundære sprekkefyllinger av kvarts. 46,50 - 53,00 Kloritt-rik bergart. 53,15 - 53,80: Hyppige fenokrystaller opptil 4 mm. av feltspat og biotitt. 61,50 - 73,10: Høyt innhold av biotitt. Finnes som korn på foliasjonsplanene, som frittliggende, uorienterte korn og som sprekkefyllinger. Også lokale foldestrukturer.

73,10 - 75,00 Biotitt-glimmerskifer. Lokale tydelige foldestrukturer i årer av kvarts og karbonater. Farge: grå - sort. Middels god skifrighet, 60 grd. Sterk impregnasjon av magnetkis.

75,00 -106,30 Biotitt-glimmerskifer. Lokalt finnes soner med granater opptil 2 mm. Kvarts finnes som 5 mm. brede laminater som er parallelt skifrigheten. Også lokale partier med høyt innhold av kloritt. Fargen er grå. Skifrigheten varierer omkring 45 grd. Tydelige foldestrukturer kan sees. Ved 85,00: Svak impregnasjon av magnetkis. Ved 99,15: 3 cm. bred kvartsåre parallelt skifrigheten.

106,30-110,90 Grønnskifer. Biotitt-rik. Biotitt finnes som vilkårlige frittliggende korn og som plater på spalteflatene. Også smale årer og slirer av kvarts, de fleste parallelt skifrigheten, men noen sekundære sprekkefyllinger. Fargen er grønn-grå. Skifrigheten varierer omkring 35 grd.

110,90-113,30 Biotitt-glimmerskifer. Høyt innhold av kloritt. Også meget uregelmessige slirer og linser av kvarts. Bergarten er preget av foldinger og deformasjoner og viser lokalt ingen skifrighet. Fargen er mørk grå-grønn.

113,30-116,60 Som 106,30-110,90. Skifrigheten varierer omkring 45 grd. Ved 114,80: Foldestrukturer.

116,60: Avslutning av borhull 130, Nordseter.

FOLLDAL VERK A/S

The Borehole nr. 131, Fokstua.

(The petrographical description).

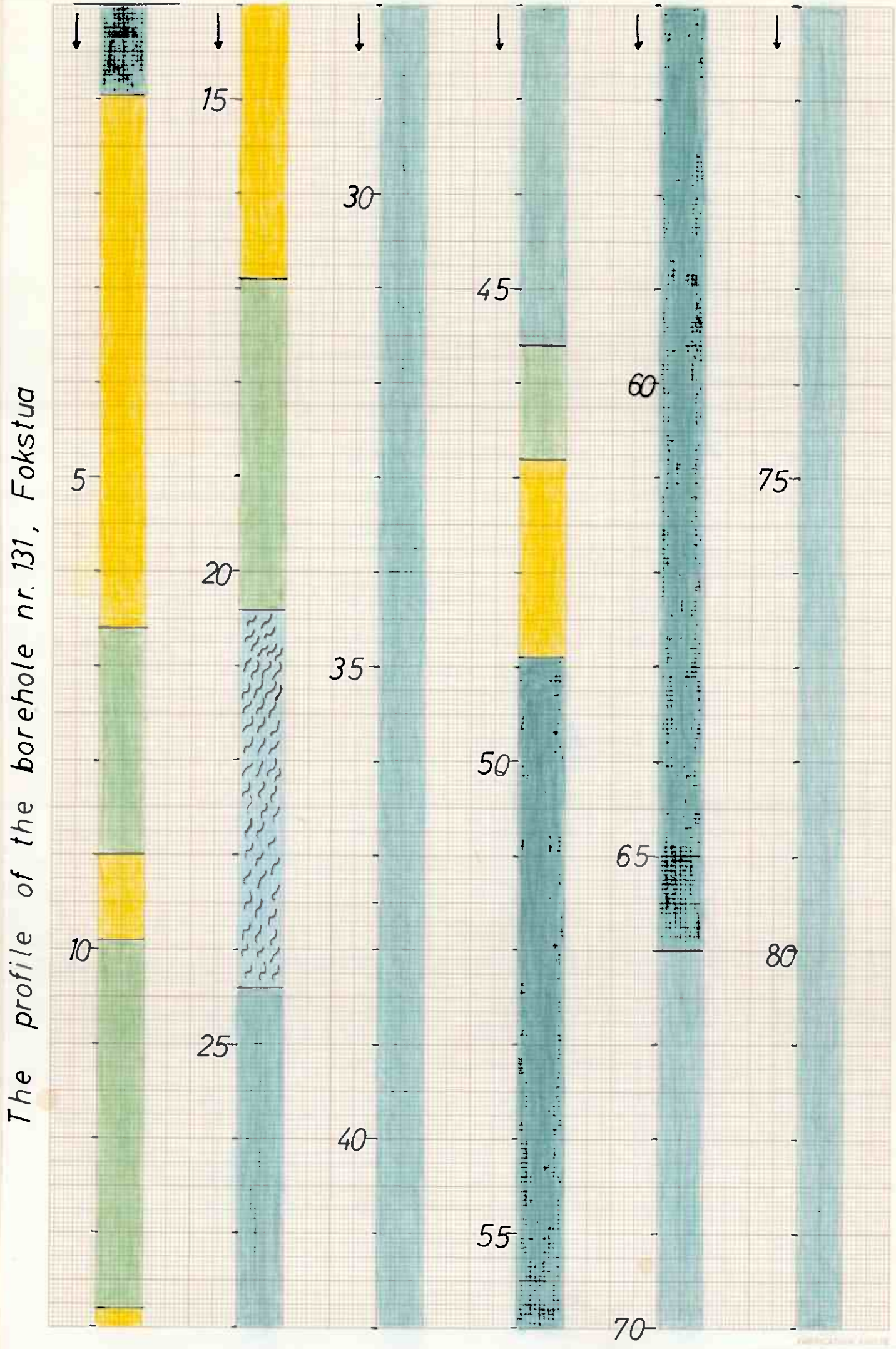
0,00 - 0,95	The chloritic, epidotic mica schist, with some little grains of garnet, with very clear schistose structure. The total colour of this rock is very bright green-gray. The average gradient of this foliation is 30° about. some very little paralel intervalations or covers of plates of foliation creat small micas of biotite.
0,95 - 6,60	The sericitic quartzite, with some very little intercalations of biotite and sericite and chlorite too. The schistose structure is very clear. The average gradient of this foliation is 25° - 30° round.
6,60 - 9,00	The biotitic and very little chloritic mica schist with some strong infiltration of quartz and quartz feldspar matter. This rock is strongly quartzy. The schistose structure isn't so clear. Some little anthithetic mostly veins of white quartz are present too, but locally only. The average gradient of this foliation is 25° - 30° round.
9,00 - 9.90	The sericitic and little bit biotitic quartzite the same as in 0,95 - 6,60 m. The average gradient of this foliation is 30° about.
9,90 - 13,80	The chloritic and epidotic mica schist locally mostly with biotite - biotitic quartzy mica schist, like as in 0,00 - 0,95 m, but without some little grains of garnet. The schistose structure is very clear. The average gradient of this foliation is 20° about.
13,80 - 16,90	The sericitic and biotitic quartzite, the same as in 0,95 - 6,60 m. The schistose structure is very clear. The average gradient of this foliation is 25° round.
16,90 - 20,40	The epidotic-chloritic mica schist with a lot of micas of biotite too. The schistose structure isn't so clear. This fock is like as in 0,00 - 0,95 m, but without some small grains of garnet and with a lot of very little veins of quartz. The average gradient of this foliation is 30° - 25° round. Locallyare present some grains of garnet, but only few.
20,40 - 24,40	Th biotitic and chloritic mica schist with a lot of schliers, pellets or little irregular intercalations of quartz and with a lot of irregular intercalations or pellets of myllonite. The structure is phaccidal or little bit phaccidal-schistose, but pell-mell too. The average gradient of this foliation is 30° - 35° and after 22,00 m 40° only.

24,40 - 45,60	Thechlotitic-epidotic mica schist with biotite, serisite and with little grains of garnet and with a lot of very little pellets, schliers and very little irregular veins of quartz. The total structure is phacoidal schistose mostly. This tock is very relation of the rock in 0,00 - 0,95 m. The average gradient of this foliation is 35° - 40° about.
45,60 - 46,80	The epidotic-chloritic and biotitic mica schist with a lot of very little irregular intercalations, pellets or schliers of quartz and with a lot of very little irregular intercalations or schliers of myllonitic matter. The structure is phacoidal and phacoidal schistose. Garnet is present too and a lot of grains of this one locally. The average gradient of this foliation is 30°-35° about.
46,80 - 48,90	The white sericitic quartzite with clear schistose structure. The average gradient of this foliation is 30°-35° around.
48,90 - 66,00	The biotitic micaschist with some chlorite and epidote, with some, but not so much grains of garnet with a lot of very little pellets, schliers or irregular intercalations of quartz and with some, locally, with a lot of irregular intercalations or schliers and pellets of mylonitic matter. The structure is mostly phacoidal or phacoidal schistose, but locally pell-mell too. The average gradient of this foliation is 40°.
66,00 - 86,40	The biotitic, chloritic and epidotic micaschist with a lot of small grains of garnet. The schistose and mostly phacoidal schistose structure is very clear. The average gradient of this foliation is 40° and often 45°-50° around.
86,40 - 98,50	The epidotic micaschist with biotite mostly created the covers on the plates of foliation and with a lot of spots of carbonates. Locally are present some very little intercalations of quartz. The some small grains of garnet are present very scarce only, mostly aren't present. The paralell schistose structure is enough clear. The average gradient of foliation is 50° round. In 80,65 m is present some very little irregular, but little bit paralell veins with schistotity, which creat $CuFeS_2$ with very few quartz. The average thickness is 0,5 cm. In 95,20 - 95,50 m and in 97,20 - 97,60 m are some tectonic brecies with quartz cement.

98,50 - 105,60 The epidotic and biotitic micaschist which is between 102,20 - 102,90 m mostly biotitic, with not so much grains of garnet, with a lot of paralell very little veins of quartz and locally with some little paralell intercalations of quartzite. The paralell schistose structure is very clear. The average gradient of this foliation is 50° and 55°, but from 104,00 m 70° and 75° round.

This borehole no. 131, Fokstua was finished at 105,60 m. + 300 m avdelelse

(Milos Motys).


The profile of the borehole nr. 131, Fokstua
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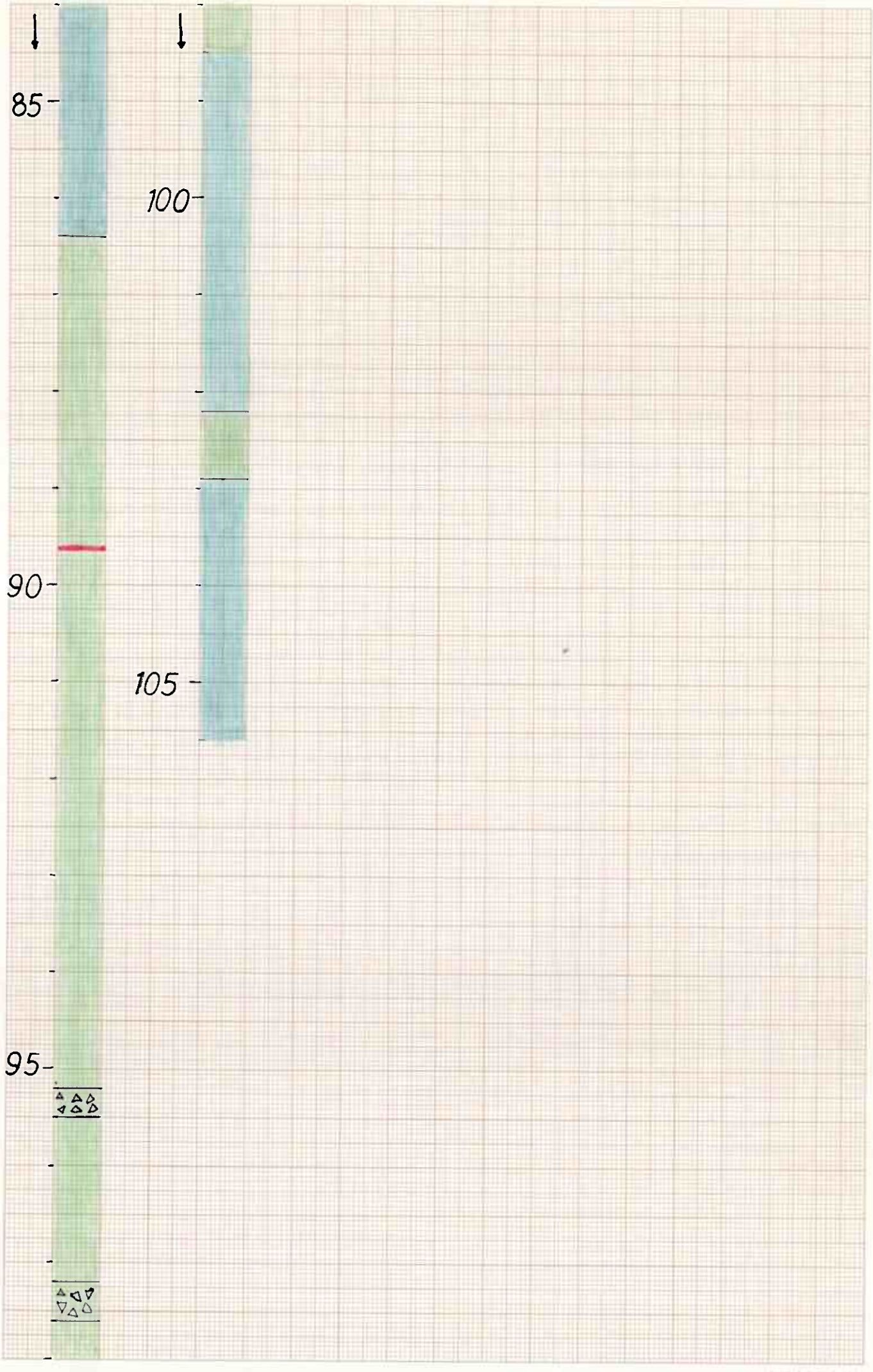
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THE PROFILE OF THE BOREHOLE NR. 132, Fokstua.

(The petrographical description).

0,00 - 5,55 The chloritic and seritic mica schist with some micas of biotite, mostly on the plates of foliation, with some, not so much very little intercalations of quartz or some little schliers or pellets and little lenticles of quartz too. The schistose structure is very clear. A lot of little grains creat garnet. The total colour of this rock is bright green-gray or green-gray. In this rock is present some very weak and very poor impregnation of FeS_2 mostly only. The average gradient of this foliation is 40° about.

5,55 - 11,50 The tender-grained and amphibolitic-epidotic greenstone with some chlorite and with a few biotite only on the plates of foliation. The quartz creat some irregular intercalations or schliers or pellets, somewhere with some lenticles of or spots or irregular lenticles of carbonates. The schistose structure is clear enough. The total colour of this rock is gray-green. The average gradient of this foliation is 50° round.

11,50 - 13,15 The tender-grained and mostly tiny-grained, quartzy amphibolitic and amphibolitic-biotitic greenstone with some very poor and very weak impregnation of FeS_2 mostly. The type of rock is more compact, without some clear footprints of schistosity. The total colour of this rock is green-gray or gray-green too. The average gradient of this foliation is 50° about.

13,15 - 15,55 The very strong impregnation of FeS_2, but more $CuFeS_2$ and FeS in gray or white-gray quartzite. Locally are present some irregular anthithetic veins of white quartz without some sulphidic impregnation. 1.60 Cu, 0.60 Zn, 38.25 S

15,55 - 16,40 The tender-grained and the tiny-grained amphibolitic greenstone with some chlorite and biotite on the plates of foliation mostly only and with some schliers or pellets, which are created by micas of biotite too. Locally is present some very weak and very poor impregnation of FeS_2 and little bit FeS too. The schistose structure is clear enough. The total colour of this rock is green-gray or gray-green too. The average gradient of this foliation is 50° round. 0.38 Cu, 0.15 Zn, 38 S

16,40 - 17,10 The very strong impregnation of FeS_2 more and of FeS. Locally only is present some few impregnation of $CuFeS_2$. This impregnation is in the gray or white-fray quartzite.
0.77 Cu, 0.40 Zn og 36.50 S

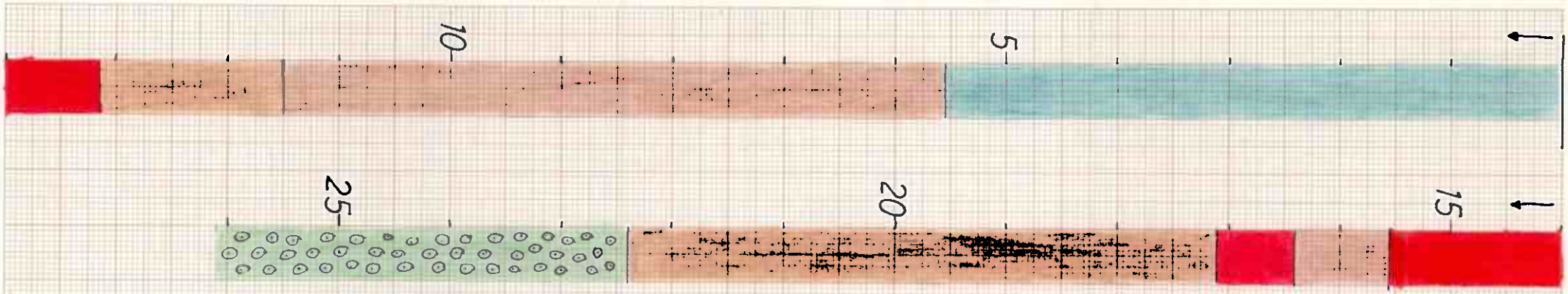
17,10 - 22,40 The motley serie of the tender-grained amphibolitic and amphibolitic-epidotic greenstone

with some chlorite and with some, but not so much micas of biotite, mostly on the plates of foliation only. The quartz creat some little intercalations, which are paralel with the total foliation. Somewhere are present some spots of carbonates too. Ca from 21,00m are present some thin intercalations of strongly biotitic and chloritic greenschist, but mostly of biotitic mica schist. The total schistose structure is clear enough. The total colour of this rock is gray-green or green-gray too. The average gradient of this foliation is 40° round. To 17,80 m is present some impregnation of FeS and $CuFeS_2$, but poor only.

22,40 - 26,10 The strongly biotitic, and chloritic mica schist with some grains or little lenticles of garnet and with a lot of very little intercalations of quartz, mostly paralel with the total foliation. From 25,70 m are present some this intercalations of chloritic amphibolitic greenschist or of the tender-grained greenstone too. The paralel schistose structure is very clear. The total colour of this rock is dark gray, dark green-gray too. The average gradient of this foliation is 40° round.

This borehole nr. 132, Fokstua was finished at 26,10 m.

The profile of the borehole nr. 132, Fokstua



THE PROFILE OF THE BOREHOLE NR. 133, Fokstua.

(The petrografical description).

0,00 - 1,00	The strongly graphitic, chloritic mica schist, with some very little intercalations, paralel with the total schistosity, which are created by quartz. The total colour of this rock is black-gray. The average gradient of this foliation is 20° round.
1,00 - 2,50	The chloritic little bit seritic strongly quartzy mica schist with paralel schistose structure. Some little and white-gray grains of garnet are present, but not so much. The total colour of this rock is gray. The average gradient of this foliation is 20° and maximally 25° round.
2,50 - 3,20	The strongly graphitic, chloritic mica schist as well as in 0,00 - 1,00 m. The average gradient of this ~~foliation~~ schistosity is 20° - 25°.
3,20 - 3,35	The chloritic, little bit seritic strongly quartzy mica schist as well as in 1,00 - 2,50 m.
3,35 - 3,50	The strongly graphitic and chloritic mica schist, the same as in 0,00 - 1,00 m.
3,50 - 3,70	The chloritic and little bit sericitic, strongly quartzy mica schist as well as in 1,00 - 2,50 m. The average gradient of this foliation is 25° round.
3,70 - 3,90	The strongly graphitic and chloritic mica schist as well as in 0,00 - 1,00 m. The average gradient of this foliation is 25° round.
3,90 - 4,35	The chloritic and little bit sericitic strongly quartzy mica schist, the same as in 1,00 - 2,50m The average gradient of this foliation is 25° - 30° round.
4,35 - 6,10	The strongly graphitic and chloritic mica schist as well as in 0,00 - 1,00 m. The average gradient of this foliation is 25° - 30° round.
6,10 - 10,65	The chloritic and little bit sericitic, strongly quartzy mica schist, as well as in 1,00 - 2,50 m The average gradient of this foliation is 20° about, but in 8,80 m round 70° and in 9,00 m and 9,30 m 0° too.
10,65 - 11,50	The strongly graphitic and chloritic mica schist as well as in 0,00 - 1,00 m. The average gradient of this foliation is 15° round but locally 10° or 0° too.
11,50 - 15,00	The chloritic and little bit sericitic , strongly quartzy mica schist, the same as in 1,00 - 2,50 m, but locally with some little, thin

intercalations of graphitic mica schist, or with some the graphitic impregnation. Between 14,50 - 15,00 m are present more small grains of garnet. Locally has this rock some foulding of cm and dm amplitude. The average gradient of this foliation is 10° - 15° about, but 20° too.

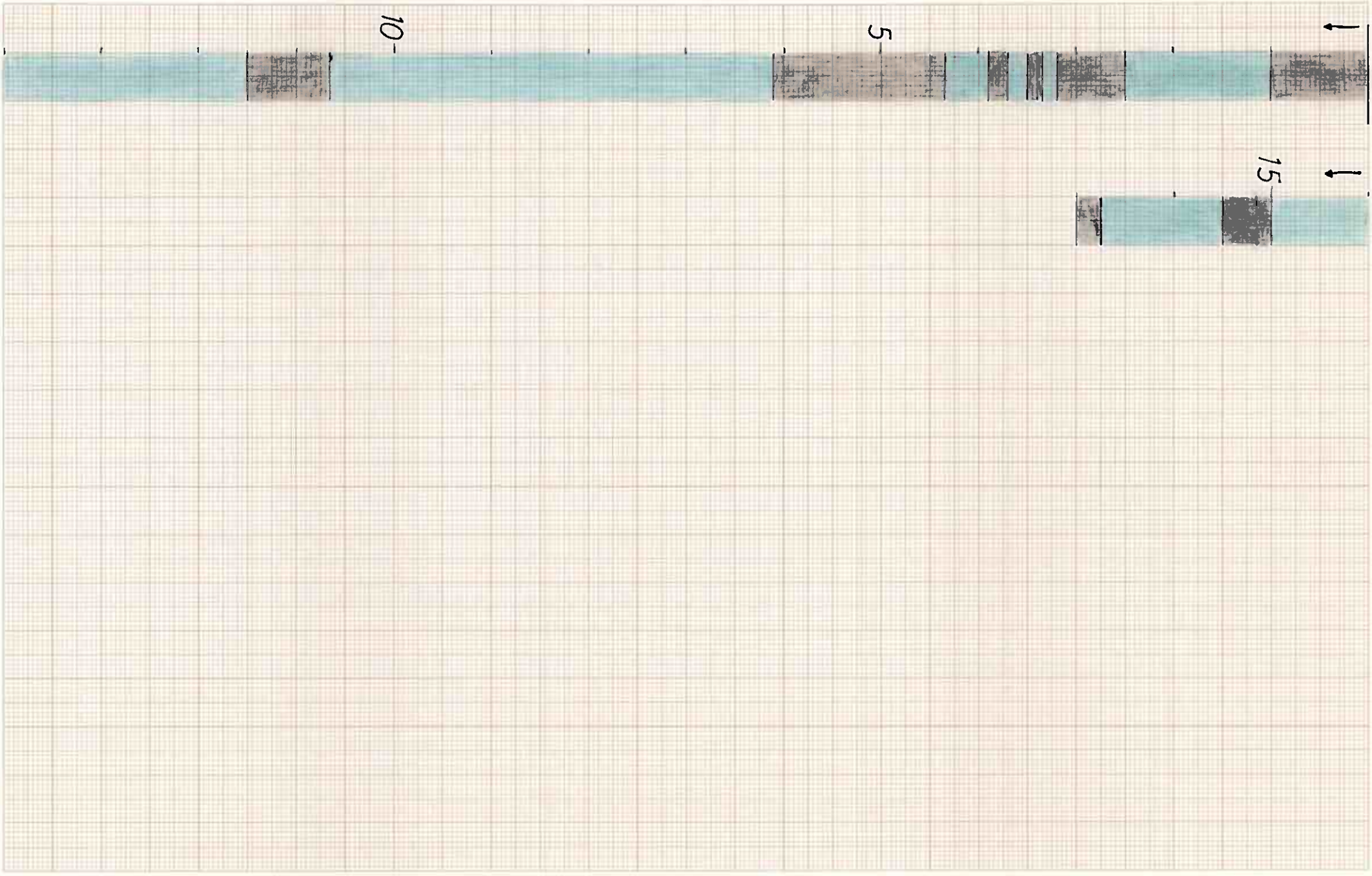
15,00 - 15,50 The strongly graphitic and chloritic mica schist the same as in 0,00 - 1,00 m. The average gradient of this foliation is 15° - 20° round.

15,50 - 16,75 The chloritic and little bit sericitic strongly quartzy mica schist as well as in 1,00 - 2,50 m. From 16,30 - 16,75 m are present some weak graphitic mica schist's intercalations and more graphitic impregnation in the totally. The average gradient of this foliation is 10° - 15°, but 25° - 30° round.

16,75 - 17,00 The strongly graphitic, chloritic mica schist as well as in 0,00 - 1,00 m. The average gradient of this foliation is 20° round.

This borehole nr. 133, Fokstua was finished at 17,00 m.

The profile of the borehole nr. 133, Fokstua



THE PROFILE OF THE BOREHOLE NR. 134, Fokstua.

(The petrographical description).

0,00 - 15,50	The sericitic and chloritic greenschist with some micas of biotite, mostly on the plates of foliation (but little bit deferification). Some very little schliers or pellets and very little intercalations or irregular little lenticles are created by quartz. The paralel schistose structure are present mostly. The total colour of this type of rock is bery bright green-gray or bright gray. The average gradient of this foliation is 40° and 45° round. Between 1,70 - 1,80 m are present the position of white quartz. Round 13,60 m are present some very little intercalations of more amphibolitic greenstone's matter with a lot of very small grains of garnet.
15,50 - 24,50	The chloritic mica schist or greenschist with zoisit and zoisit-epidote and a lot of intercalations of strongly chloritic-myllonitic matter (the klivage). The total structure is klivagetic with clear the primary schistosity locally. The total colour of this rock is dark gray and gray mostly. The average gradient of this schistosity (klivage) is 45° - 40°, but locally 50° too. Somewhere are present some foulds of the cm and max. dm amplitude. Locally are present some very little veins, schliers or little intercalations of quartz.
24,50 - 25,00	The chloritic mica schist with a lot of very little irregular intercalations of graphite, with strong graphitic impregnation locally too. Quartz creat a lot of very little intercalations or schliers or pellets, locally are present small grains of garnet in the chloritic greenschist's intercalations. The schistose structure is clear. The total solour of this rock is dark or very dark gray. The average gradient of this foliation is 60° about. Some vertical or authithetic joints have the weak limonitic covers.
25,00 - 25,35	The chloritic and sericitic, strongly quartzy mica schist with some very small grains of garnet with a lot of paralel little intercations or little position of quartz and quartite. The paralel schistose structure is very clear. Somewhere are present the foulds of the cm and dm amplitude. The total colour of this rock is gray and little bit green-gray too. The average gradient of this foliation is 60°, but locally 65° too.
25,35 - 25,75	The chloritic mica schist with the graphitic impregnation and with some very little graphitic intercalations, like in 24,50 - 25,00 m. The average gradient of this foliation is 60° round.

25,75 - 26,30	The chloritic and sericitic, strongly quartzy mica schist, the same as in 25,00 - 25,35 m.
26,30 - 26,45	The chloritic and graphitic mica schist as well as in 24,50 - 25,00 m, but with more strong impregnation of graphite.
26,45 - 30,10	The chloritic and sericitic strongly quartzy mica schist as well as in 25,00 - 25,35 m, but mostly with biotite, with more scarcely grains of garnet and with more intercalations of quartz or quartzite. The average gradient of this foliation is 60° about.
30,10 - 30,55	The graphitic, little bit chloritic and quartzy mica schist, locally with some detail foulding, and with very little intercalations of quartz, paralel with the total schistosity. The total colour of this rick is dark gray and very dark gray.
30,55 - 30,90	The chloritic and sericitic, strongly quartzy mica schist as well as in 25,00 - 25,35 m. The average gradient of this foliation is 55° and 60° round.
30,90 - 33,00	The strongly graphitic and little bit chloritic mica schist with some little and irregular intercalations, pellets or lenticles of quartz locally and locally only with very scarce impregnation of FeS_2 and FeS. Some joints have the limonitic very weak cower. The schistose structure is clear. The total colour of this rock is black-gray mostly. The average gradient of this schistosity is 60° round.
33,00 - 35,40	The motley serie of chloritic mica schist or greenschist as well as in 15,50 - 24,50 m. The ave age gradient of this foliation (klivage) is 40° and 45° roumd.
35,40 - 41,00	The chloritic and little bit sericitic greenschist like in 0,00 - 15,50 m. The average gradient of this foliation is 55° and 60° round.

This borehole nr. 134, Fokstua was finished at 41,00 m.

The profile of the borehole nr. 134, Fakstua