

NGU Report 95.155

Soil geochemistry of the Bleikvassli area (Status
Report No. 1). Regional investigations of the
area between Røssvatnet and Målvatnet.

Report no.: 95.155		ISSN 0800-3416	Grading: <i>ÅPEN</i>	
Title: Soil geochemistry of the Bleikvassli area (Status Report No. 1). Regional investigations of the area between Røssvatnet and Målvatnet.				
Authors: Krog, Reidar		Client: NGU and Bleikvassli Gruber		
County: Nordland		Commune: Hemnes		
Map-sheet name (M=1:250.000) Mo i Rana and Mosjøen		Map-sheet no. and -name (M=1:50.000) Røssvatnet 1926 I, Korgen 1927 II, Hjartfjellet 2026 IV, Storakersvatnet 2027 III		
Deposit name and grid-reference:		Number of pages: 85 Price (NOK): kr. 105,- Map enclosures:		
Fieldwork carried out: 1993-1995	Date of report: 09.07.96	Project no.: 2543.29	Person responsible: <i>D. B.</i>	
<p>Summary:</p> <p>A combined geological, geophysical and geochemical exploration project aimed at finding new ore reserves in the vicinity of the Bleikvassli mine, Nordland county was initiated by NGU in 1993. This report describes a regional soil (c-horizon/weathered material) geochemical survey carried out as part of this project. An area of 800 sq.km was sampled at a density of 1 sample site per square kilometer. The samples were analysed for the HNO₃-extractable amounts of Ba, Be, Ca, Ce, Cd, Co, Cr, Cu, Fe, K, La, Li, Mg, Mn, Mo, Ni, P, Pb, S, Sc, Sr, Ti, V, Zn, Zr, Y, the total amounts of C (Leco), S (Leco), Au (fire assay) and the grain size (sieving).</p> <p>The single-element symbol maps showed several anomalous areas and detailed sampling of the three most interesting areas was carried out in 1994 - 1995. These investigations are described in NGU Report 95.156, but the results are also considered in this report and evaluated together with the other anomalous areas within the Bleikvassli area. The need for further investigations is discussed.</p>				
Keywords: Geochemistry		Till	Massive sulphides	
Exploration		Anomaly	Pb, Zn, Cu, Au	
Soil		Weathered material		

CONTENTS

1	INTRODUCTION.....	6
2	DESCRIPTION OF THE SURVEY AREA.....	6
3	PREVIOUS WORK.....	7
4	QUATERNARY GEOLOGY OF THE SURVEY AREA.....	8
5	METHODS.....	9
	5.1 Sampling.....	9
	5.2 Sample preparation and analytical methods.....	9
6	RESULTS.....	10
	6.1 Tables.....	10
	6.2 Frequency distribution.....	10
	6.3 Correlation matrix and regression analysis.....	10
	6.4 The influence of grain size on element values.....	10
	6.5 Geochemical maps.....	11
	6.6 The fingerprints of maximum soil values.....	11
	6.7 Repeatability of the results.....	11
7	DISCUSSION.....	12
	7.1 Character and composition of the sample medium.....	12
	7.2 The distribution of ore elements in soil and sediment samples.....	13
	7.3 Anomalous areas.....	14
8	CONCLUSIONS.....	16
9	FUTURE WORK.....	17
10	REFERENCES.....	18

APPENDIX

- 1 Topography of the survey area 1993
- 2 Geology of the survey area
- 3 Statistics of the chemical analysis of the survey area
- 4 Histogram, density trace, scatterplot and boxplot diagrams for 24 elements
- 4 B Explanation of the Boxplot
- 5 Correlation matrix for 34 variables of the regional samples
- 6 Regression analysis for 22 variables of the regional samples
- 7 The influence of grain size on analytical values
- 8 The fingerprints of maximum values of the anomalous areas
- 9 Map of the Pb-values of the Bleikvassli regional soil samples
- 10 Map of the Zn-values of the Bleikvassli regional soil samples
- 11 Map of the Cu-values of the Bleikvassli regional soil samples
- 12 Map of the Au-values of the Bleikvassli regional soil samples
- 13 Map of the Ba-values of the Bleikvassli regional soil samples
- 14 Map of the Be-values of the Bleikvassli regional soil samples
- 15 Map of the C-values of the Bleikvassli regional soil samples
- 16 Map of the Ca-values of the Bleikvassli regional soil samples
- 17 Map of the Cd-values of the Bleikvassli regional soil samples
- 18 Map of the Ce-values of the Bleikvassli regional soil samples
- 19 Map of the Co-values of the Bleikvassli regional soil samples
- 20 Map of the Cr-values of the Bleikvassli regional soil samples
- 21 Map of the Fe-values of the Bleikvassli regional soil samples
- 22 Map of the Fines-values of the Bleikvassli regional soil samples
- 23 Map of the K-values of the Bleikvassli regional soil samples
- 24 Map of the La-values of the Bleikvassli regional soil samples
- 25 Map of the Li-values of the Bleikvassli regional soil samples
- 26 Map of the Mg-values of the Bleikvassli regional soil samples
- 27 Map of the Mn-values of the Bleikvassli regional soil samples
- 28 Map of the Mo-values of the Bleikvassli regional soil samples
- 29 Map of the Ni-values of the Bleikvassli regional soil samples
- 30 Map of the P-values of the Bleikvassli regional soil samples
- 31 Map of the S-values of the Bleikvassli regional soil samples
- 32 Map of the Sc-values of the Bleikvassli regional soil samples
- 33 Map of the Sr-values of the Bleikvassli regional soil samples
- 34 Map of the Ti-values of the Bleikvassli regional soil samples
- 35 Map of the V-values of the Bleikvassli regional soil samples
- 36 Map of the Y-values of the Bleikvassli regional soil samples
- 37 Map of the Zr-values of the Bleikvassli regional soil samples

- 38 Map of 24 elements in soil from the area around the Bleikvassli orebody
- 39 Map of 24 elements in soil samples from the anomalous area at Grasvatnet
- 40 Map of the Pb-values of the Rana regional soil samples
- 41 Map of the Zn-values of the Rana regional soil samples
- 42 Map of the Cu-values of the Rana regional soil samples
- 43 Map of the Pb-values of the Rana regional sediment samples
- 44 Map of the Zn-values of the Rana regional sediment samples
- 45 Map of the Cu-values of the Rana regional sediment samples
- 46 Map of the Pb-values of the Nordland-Troms regional soil samples
- 47 Map of the Zn-values of the Nordland-Troms regional soil samples
- 48 Map of the Cu-values of the Nordland-Troms regional soil samples
- 49 Co-ordinates and analytical values of the Bleikvassli regional soil samples

1 INTRODUCTION

A combined geological, geophysical and geochemical exploration project aimed at finding new ore reserves in the vicinity of the Bleikvassli mine, Nordland county, was initiated by NGU in 1993. This report describes a regional soil geochemical survey of the area, including more detailed investigations in two smaller areas - one in the immediate vicinity of the Bleikvassli orebody and a second in an area south of the lake of Grasvatnet. The sampling was carried out in 1993 - 1994 and was designed to provide information on unknown and unexposed mineralization. A description of the use of the geochemical pattern characterising the Bleikvassli deposit as an aid to recognising new deposits is given. Consideration is given to all anomalous distributions of economic elements within the study area. The bedrock geology in this report is taken from NGU Report 95.153.

Detailed sampling of the most interesting areas was carried out in 1994 - 1995. These investigations are described in NGU Report 95.156 - Soil geochemistry of the Bleikvassli area (Status Report No. 2). Detailed investigations of the Hallvardalen, Artfjellet and Kjennsvatnet areas. However, the results are also considered in this report and evaluated together with the other anomalous areas within the Bleikvassli area. The need for further investigations is discussed.

2 DESCRIPTION OF THE SURVEY AREA

The survey area is situated about 40 km south of Mo i Rana in the county of Nordland (Appendix 1). The northern limit of the area is defined by a line from Korgenfjellet to Grasfjellet whilst the southern limit is defined by the lake of Røssvatnet. The total area is about 1200 sq. km but lakes, glaciers and Alpine topography reduce the area available for soil sampling to about 750 sq. km. The altitude within the survey area varies from close to sea level in the north-west to over 1900 metres a.s.l. in the east. Most of the area is above the tree line (500 - 600 m a.s.l.).

Bleikvassli mine is located on the lower western slope of the Kongsfjellet mountain. The orebody is a stratiform, elongated plate consisting mainly of pyrite, some pyrrhotite and minerals of zinc, silver, lead, gold and copper. Along the strike, the ore outcrop has a length of about 400 m, a maximum width of about 12 - 13 m and covers a total area of approximately 3100 sq. m. This part of the orebody contains about 5 % Zn, 4 % Pb, 0.3 % Cu, 47 ppm Ag, 235 ppb Au and 36-42 % S.

3 PREVIOUS WORK

During the last 30 years three different types of geochemical surveys have been carried out in the vicinity of the Bleikvassli mine. A brief description of these is given below.

1965, 1969 -70 and 1981 -82. Stream sediment surveys.

These surveys were carried out by a mining company in a 3000 sq. km area extending from Hattfjelldal (60 km south of Bleikvassli) to Dunderlandsdalen (70 km north of Bleikvassli)(Hultin 1980, Kruse 1986). About 200 sq. km of the area lies between the lakes of Røssvatnet and Grasvatnet i.e. within the borders of the present survey. The sample density varied between 1 - 3 samples pr sq. km. The -0.18 mm grain fraction was analysed. The analytical method used was changed during the sampling period from the colorimetric cold extractable method (Bloom test, Carney and Hawkins test) to atomic absorption spectrometry (AAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES). The earlier geochemical maps of the Røssvatnet - Grasvatnet area show no additional anomalies compared with maps of this study and for this reason they are not included in this report.

1985. Rana soil and stream sediment survey.

This survey was carried out as a co-operation between Nordland county and NGU (Krog et al. 1986). An area of 4300 sq. km was sampled extending from Røssvatnet in the south to Dunderlandsdalen in the north, including the entire area of the present survey. The sample site density was one site pr 10 sq. km and 112 samples were taken from within the present survey area. At each site one soil sample and one stream sediment sample were collected. The soil sample was taken at a depth of 0.4 m. The -0.18 mm fraction of both types of samples were analysed for 29 elements using ICP-AES after leaching in 7N HNO₃ for 3 hours at 110 °C. The analysed fraction (-0.18 mm) is coarser and usually shows lower analytical values than the -0.06 mm fraction analysed during the 1993 survey (Appendix 7). This must be kept in mind when comparing the maps produced during this study and the Pb-, Zn- and Cu-maps of the 1985 soil and stream sediment survey (Appendix 39-45).

1986. Nordland - Troms soil and stream sediment survey.

This survey was carried out by NGU and was similar to the 1985 survey (Kjeldsen et al 1987). However, the sample site density is lower (one sample site pr 40 sq. km) and the analysed fraction is finer (-0.06 mm) compared with the 1985 survey. However, the analysed soil fraction is similar to that of the 1993 survey and the analytical values of the 1986 and 1993 soil fractions are therefore comparable. Three maps showing the Pb, Zn and Cu concentrations for the 17 soil samples of the 1986 survey taken within the area covered by the 1993 survey are included in this report (Appendix 46-48). The stream sediment values from the same sampling sites are very low and are not included in this report.

4 QUATERNARY GEOLOGY OF THE AREA

Detailed Quaternary geological maps covering the Bleikvassli area have not yet been published but during the present survey preliminary maps were prepared by Lars Olsen (NGU). The following description of the Quaternary geology is primarily based on these maps.

Large parts of the area are dominated by exposed bedrock (at least 50 % visible bedrock). Particularly this is the case in much of the area above approximately 600 m a.s.l. in the areas of the Okstindbreen glacier, the Kongsfjellet mountain, Lifjellet (south of Kongsdalen) and the Tverrfjellet and Stolpfjellet mountain areas north of Leirskarddalen. There are also a large number of smaller areas with exposed bedrock.

A thin cover of till and peat (i.e. <0.5 m thick) is the most common type of superficial deposit within the survey area. Only in the areas around Leirskarddalen in the north and in the valleys of Spjeltfjelldalen and Bessedørdalen in the east are there extensive areas with a relatively thick continuous cover of till. Talus and scree material of varying thickness are common at the foot of many of the steep slopes. Weathered material covering an area of a few sq.km are found at several locations, especially in areas with calcareous bedrock (Anders Larsa Group). At the bottom of the Kongsdalen, Røssåga and Leirskarddalen valleys, glacio-fluvial and fluvial sediments have been deposited. Extensive areas of bog have developed on the top of sediments in the flat-lying bottom of the Kongsdalen valley. Flat-lying areas of bogs are also found in the Spjeltfjelldalen valley and in the Fagerlidalen valley, between Leirskarddalen and Bryggfjelldalen.

Marine deposits are found in the lower reaches (below 120 m a.s.l.) of the Røssåga and Leirskarddalen valleys. Most of the superficial sediments were deposited during a period of deglaciation about 9 500 years ago. The oldest ice movement in the vicinity of Bleikvassli was directed towards the north-west (Appendix 2), but the direction later changed towards the north and north-east. More recent directions of the ice movements were affected by the local topography. The transport distance of the till is uncertain. An ore-bearing boulder, assumed to be from the Bleikvassli orebody, was found at Storholmen, ca. 3 km NNE of the outcrop, but much of the till is believed to have a more local origin. In areas with thick till deposits, however, the transport distance of till material is assumed to be significantly greater than 3 km, and maybe even greater than 10 km.

5 METHODS

5.1 Sampling

The UTM-grid of the NGO Series M 711 (Scale 1:50 000) topographic maps was used as a sampling grid, giving a 1 km sample spacing. The regional soil samples collected in 1993 - 1994 and the follow-up samples collected in 1994, were taken with a spade from a depth of 0.4 m or, if the soil was of insufficient thickness, at the base of the soil, as close to the bedrock as possible. The follow-up sampling in 1995 was undertaken using a hand auger from the base of the soil or at a maximum depth of 1.3 m. The term «soil», as used in this report, includes both organic soil and inorganic overburden. Soil samples are normally taken in the c-horizon. In much of the sampling area, however, a c-horizon was not present and the samples are thus largely taken from the B-horizon. Only soil consisting of till and weathered material was sampled. Humus, peat, marine deposits, fluvial or glacio-fluvial sediments were not taken. Area contaminated by mining, roads, agriculture or other human activity were also avoided. During 1993, 1994 and 1995, the total numbers of samples collected were 677, 146 and 401 respectively, giving an overall total of 1383 samples. The sample weight was 1 kg in 1993 - 94 and 0.1 kg when using the auger in 1995. Sample bags were made of high wet-strength paper and special waterproof adhesives. The equipment was free from heavy metal contamination.

5.2 Sample preparation and analytical methods

The samples were dried at about 40°C for 2-3 weeks. The fractions passing through 0.25 mm and 0.06 mm nylon screens were weighed. The <0.06 mm fraction of the samples (including reference samples) were analysed after having been numbered in a random order. The following analytical methods and laboratories were used:

ICP-AES. NGU. Determination of 31 elements. Solid samples were analysed using a Thermo Jarrel Ash ICP 61 after partial extraction with 7 N HNO₃ according to NS 4770.

Total carbon C (TC). NGU. Total carbon was determined using a Leco furnace, type SC-444 (combustion of carbon in an oxygen environment, followed by detection of CO₂ in an IR cell). Only the samples collected in 1993 were analysed for C.

Total sulphur S (TS). NGU. Total sulphur was determined using a Leco furnace, type SC-444 (combustion of sulphur in an oxygen environment, followed by detection of SO₂ in an IR cell). Only the samples collected in 1993 were analysed for S.

Gold (Au). ACME. Analytical laboratories LTD.

20 gram sample, fire assay and analysis by ICP/graphite furnace. Only the samples collected in 1993 and 1994 were analysed for Au.

Partly determination of grain size (Fines). NGU. Sieving and weighing of the fractions (-0.25 mm +0.06 mm) and (-0.06 mm). Fines = $-0.06 \text{ mm} \times 100\% / (-0.25 \text{ mm} + 0.06 \text{ mm})$.

A proportion of the samples collected in 1993 and 1994 (but not those sampled in 1995) were analysed for grain size.

6 RESULTS

6.1 Tables

The analytical results, field numbers and UTM co-ordinates from all studies including the detailed sampling around the Bleikvassli orebody and the anomalous Grasvatnet area are listed using UTM co-ordinates for easy identification of plotted values (Appendix 49). Minimum, maximum, arithmetic average and standard deviation of the 34 variables are listed (Appendix 3).

6.2 Frequency distribution

Histograms, density traces, scatterplots and boxplots are shown for 24 elements in Appendix 4 and 4 B.

6.3 Correlation matrix and regression analysis

The values of the 34 variables were log-transformed before the correlation matrix (Appendix 5) was calculated. A regression analysis is shown in Appendix 6 .

6.4 The influence of grain size on element concentration

The influence of grain size on the concentrations of the elements Cu, Zn, Pb, Ca, and La was tested on 14 samples (Appendix 7). On an average the 14 samples showed 25 - 30 % higher values in the fine fraction (-0.06 mm) than in the coarse fraction (-0.25 mm + 0.06 mm). The correlation matrix (Appendix 5, variable FINES) and regression analyses (Appendix 6) show a slight opposite effect. This implies that the element contents and probably also the grain distribution within the selected

analytical fraction (-0.06 mm) are relatively independent of the amount of coarser fraction in the sample. The slight negative correlation with fines for almost all elements may be due to a bias caused by the special conditions in Leirskardalen, where the samples are typically coarse-grained and the analytical values high (Chapter 7.1).

6.5 Geochemical maps

Appendix 9-48 contain regional geochemical maps at a scale of 1:200 000 for the following elements: Pb, Zn, Cu, Au, Ba, Be, C, Ca, Cd, Ce, Co, Cr, Fe, Fines, K, La, Li, Mg, Mn, Mo, Ni, P, S, Sc, Sr, Ti, V, Zr, Y and two additional maps for the Bleikvassli and Grasvatnet areas. The regional maps are produced as single-element maps using a series of symbols for different ranges of analytical values based on the following percentiles: 25, 50, 75, 95, 98 and 99 %. However, the symbol values used for Cd and Au are different as these elements are present in much lower concentrations. Five element maps are not plotted as Ag and B have no values above the detection limit and because only a very small proportion of the total content of Si, Al and Na is extractable with 7 N HNO₃ according to NS4770. The maps showing the results of the detailed sampling around the Bleikvassli orebody and the anomalous area of Grasvatnet use the same values of the symbols as the regional maps (Appendix 38 and 39).

6.6 The fingerprints of maximum soil values

Maximum values of all elements within each anomalous area (Appendix2) are shown for comparison in Appendix 8.

6.7 Repeatability of the results

Using reference samples and re-analysed samples, the repeatability of the analytical determinations was found to be better than +/- 10 % at the 95 % confidence level.

The field assistants had not been trained in mapping and it is therefore assumed that the repeatability of the co-ordinates of the sampling sites was no better than +/- 100 m.

The repeatability (including re-sampling and re-analysis) of an analytical value on re-sampling at a 100 m interval in the background area in the southern part of Artfjellet is assumed to be approximately +/- 30 to 40 %.

7 DISCUSSION

7.1 Character and composition of the sample medium

The grain size distribution of the samples (Appendix 22) is variable across the study area. A large area in Leirskarddalen in the north has relatively coarse-grained samples whilst the samples are more fine-grained in the area west of the Røssåga river. The coarse-grained nature of the Leirskarddalen samples may be due to the particular genesis or the general lithology of the superficial deposits, but the influence of more localised physical conditions is possible. Many of the sites are situated at the foot of smooth mountain walls, with an inclination of 45 degrees or steeper, and an elevation between 100 to 1000 m a.s.l. Large flat-lying catchment areas at the top of the mountains, combined with a mean annual precipitation of 1500 - 2000 mm, produce large amounts of meltwater which flow downhill in the spring and wash out fine-grained material from the deposits at the foot of the walls. The coarse-grained samples from the Dalbygda valley (Bryggfjelldalen), parallel to Leirskarddalen, and from the Kongsdalen valley (south of Bleikvassli) may be subject to a similar process.

The physical conditions in the Leirskarddalen valley may also have affected the element distribution in the soil. Despite the fact that the analysis of coarse-grained material generally gives lower values (Chapter 6.4 Appendix 7), the coarse-grained samples from Leirskarddalen contain anomalously high concentrations of almost all elements. This is assumed to be due to a nearby barren calcareous rock unit producing high background levels of many trace elements (Chapter 7.3). In addition, when acidic water containing elements in solution flows down from the soil at the top of the mountain walls, the water will get oxidised and neutralised resulting in the precipitation of certain elements on the soil at the bottom of the slope. The carbonate-rich superficial deposits and bedrock in the valley may accelerate this precipitation by neutralising the acidic water in a similar manner.

The fine-grained nature of the material west of the Røssåga river (Appendix 22) may be due to the thick vegetation (across the extensive areas of calcareous bedrock) and the flat-lying landscape which reduces outwash and traps the fine-grained material washed downslope from above the tree line in the west.

The organic content of the samples. The analyses of total carbon C (TC) include carbon in graphite, carbonates and organic material (Appendix 15). Most of the samples have less than 10 % C and, according to the correlation matrix (Appendix 5), the amount of C is not much related to the concentrations of the other elements, with the exception of S-C ($r=0.66$). The maps of C and S (Appendix 15 and 31) show that many of the highest S-values probably do not originate from sulphide minerals from an orebody but occur together with deposits of organic material or graphite. In addition the regression analyses suggest that the highest Pb-values correspond with high C-values.

7.2 The distribution of ore elements in soil and sediment samples

Lead (Pb, Appendix 9) shows a few high values in samples taken from the Kongsfjell Group, which contains the Bleikvassli orebody. A sample containing 115 ppm Pb close to Grasvatnet in the north-east was followed up with 15 additional soil samples (Appendix 39) and is reported later in this chapter. Two samples taken south of the Bleikvassli mine, containing 157 and 64 ppm Pb, are assumed to be contaminated by the prospecting activity linked to known mineralization at Kongsfjellet. A similar explanation is likely for a sample containing 83 ppm Pb from the 1985 Rana soil survey (Appendix 40). One sample, close to the Halvarddalen valley a little further to the east, contained 104 ppm Pb but was not resampled. The other values above 60 ppm Pb are assumed to come from samples within the Anders Larsa Group/Lifjell Unit. One sample containing 150 ppm Pb in the south-east of the study area at Artfjellet was followed up with detailed soil sampling and is described in the follow-up report. The regional mapping did not show any high Pb-values or any other high values in the immediate vicinity of the Bleikvassli orebody. In order to determine whether there is an anomalous pattern around the orebody, 28 samples were collected north-east, north and north-west of the orebody. The new samples gave 3 values around 50 ppm Pb at a distance of 100 to 300 m from the ore body (Appendix 38). In addition, 3 values of 60-70 ppm Pb, situated 1 - 1.5 km north-west of the outcrop of the Anders Larsa Group, may be due to ice-transported material from the ore. The area west and south-west of the orebody was not sampled in detail as it is contaminated by the mining activity. The samples taken at a distance of 100 - 300 m from the ore body have higher concentrations of Pb, Zn, Cu, Au, Zr and Sr. The samples from the Anders Larsa Group taken 1 - 1.5 km north-west of the orebody have higher concentrations of these 6 elements and, in addition, high concentrations of Be, Ca, Co, Fe, La, Li, Mg, Mn, Ni, Sc and Y. Lead is only weakly correlated with a few elements (Appendix 5): C, Fe, Zr and Be (r =about 0.22, significance level better than 0.01), but the correlation factors seem to be principally due to outliers of the high Pb-values (Appendix 6).

Zinc (Zn, Appendix 10) shows 3 samples taken from the Kongsfjell Group with concentrations above 200 ppm. Two of these are assumed to be contaminated by the prospecting activity of the known mineralization at Kongsfjellet (953 and 500 ppm). One sample within the Hallvarddalen area on the boundary between the Kongsfjell Group and the Anders Larsa Group contains 220 ppm Zn and was followed up. A sample from the 1985 Rana soil sampling program (Appendix 41) containing 198 ppm is assumed to be contaminated by the mineralization at Kongsfjellet. One sample taken from Artfjellet (Lifjell Unit) containing 400 ppm was followed up, whilst a sample from Lifjellet (Lifjell Unit) in the south was not. In Leirskarddalen, within the Kongsfjell Group or the Målvatnet Unit, is a large Zn anomaly (but no Pb anomaly) which was not followed up. Detailed sampling around the Bleikvassli orebody gave results similar to those of Pb. Zn shows correlations with most other element (Appendix 5).

Copper (Cu, Appendix 11) shows 4 samples taken from the Kongsfjell Group with concentrations higher than 180 ppm. One sample from Grasvatnet (400 ppm) was followed up with about 15 new samples. Two samples from the south-western part of Kongsfjellet are assumed to be contaminated by mineralization (580 and 3200 ppm), whilst a sample taken on the south side of the lake of Bleikvatnet (500 ppm) was taken from an area where sulphide minerals have been observed in the bedrock. One sample from the 1986 Nordland soil survey (226 ppm) originates from a glacio-fluvial deposit in Kongsdalen (Appendix 48) and was not followed up. One sample from Artfjellet (Lifjell Unit) containing 234 ppm was followed up with about 200 new samples. One sample from the Hallvarddalen area (240 ppm) within the Anders Larsa Group was also followed up. Copper is similar to Zn in that it gives a large anomaly in the Leirskarddalen area. However, these anomalies were not followed up. Detailed sampling around the Bleikvassli orebody gave results similar to those of Pb and Zn. Copper, like Zn, is correlated with many other elements (Appendix 5).

Gold (Au, Appendix 12) shows 5 samples taken from the Kongsfjell Group with concentrations above 17 ppb. Two of these come from different areas at Grasvatnet (26 and 59 ppb). One of these samples was followed up. Three samples were taken from the area south of the Bleikvassli orebody but none of them were followed up. One of the samples was taken from a site 1 km south-east of the outcrop and at an altitude 100 m higher and is therefore unlikely to have been affected by the Bleikvassli orebody. The Au analyses from the detailed sampling around the orebody gave results similar to those of Pb, Zn and Cu. Within the Anders Larsa Group, one sample from the Hallvarddalen area was followed up. Au is not correlated with any of the other elements (Appendix 5).

7.3 Anomalous areas

The lack of anomalous samples from the regional sampling around the Bleikvassli orebody made it impossible to use the pattern around the orebody as a "key" to locating unknown mineralization. For this reason, detailed sampling in the immediate vicinity of the outcrop was undertaken. The maximum analytical values of 25 elements of both new and old samples within a radius of 1.5 km from the outcrop were plotted on a diagram. These values were calculated as a percentage of the median of the corresponding element in the regional samples. The elements were ranked in a decreasing order to form an easily recognisable triangle to act as a "fingerprint" of the Bleikvassli orebody (Appendix 8). Using the same procedure and the same element series for the other areas (including both the regional samples and the follow-up samples in NGU Report 95.156) an attempt was made to determine whether any of the other areas have a pattern similar to that of the Bleikvassli area. However, none of the other diagrams have a similar appearance. This may either be due to the fact that none of the other areas contain an orebody and/or because the "fingerprints" only are representative for the Bleikvassli orebody.

The "fingerprint" of the area around the Bleikvassli orebody includes values from two different types of anomalies (Appendix 38): One low-contrast anomaly of Pb, Zn, Cu, Au and Zr, situated within the Kongsfjell Group 100 - 300 m from the outcrop, is probably a clastic type of anomaly without high values of Ca, Fe or Mn. A second high-contrast anomaly is located 1 - 1.5 km north-west of the outcrop within the carbonate-rich Anders Larsa Group. This anomaly is probably strongly affected by the carbonate-rich bedrock and includes Ca, Fe, Mn, Mg, Be, La, Sc, Sr and Y in addition to the elements of the first anomaly. The "fingerprint" appears to be a random mixture of these two anomalies and may not represent the typical pattern of an orebody from the Kongsfjell Group.

The "fingerprint" of the Kongsfjell area is interpreted to consist of values from hydromorphic anomalies produced by the weathering of known mineralization at higher altitudes. This pattern is probably more typical of the outcrop of a sulphide orebody than the pattern of the area above the Bleikvassli outcrop which was selected due to the contamination below the outcrop.

The "fingerprint" of the Leirskarddalen area is interpreted to have been affected by a barren calcareous rock unit producing high background values of a large number of trace elements in combination with hydromorphic anomalies due to oxidation, an affinity to Fe-Mn oxides and precipitation in carbonate-rich environments as described earlier (Chapter 7.1). The anomalous values were probably not caused by mineralization as a mineralization spread over such a large area of exposed bedrock is unlikely to have remained undiscovered for so long.

The bedrock mapping above the upper part of the Leirskarddalen valley, north of the Okstindene glacier (about UTM 459 7321 to UTM 472 7325) showed the presence of large areas of rust-bearing schists close to the contact between carbonate-rich lithologies and the garnet mica schist. The rusty appearance is due to small amounts of sulfides but other chemical compounds may also be deposited at this contact. No analysis has been made of this rust-bearing schist but it must be regarded as a potential source for many of the anomalous values in the Leirskarddalen area.

As in Leirskarddalen, the "fingerprint" of the Artfjellet area is assumed to be due to a barren calcareous rock unit containing high back-ground values of a large number of trace elements in combination with hydromorphic anomalies probably caused by the drainage of sulphide-bearing graphite schists and the strong affinity between Pb, Zn, Cu and Fe-Mn oxides (see the follow-up report). The patterns of Leirskarddalen and Artfjellet are very similar.

The "fingerprint" of the Hallvarddalen area is assumed to be due to at least two rock units (see the follow-up report). In the western part of the area, high values are interpreted to be due to a barren marble unit containing high back-ground values of a large number of trace elements and possible contamination from human activity. In the eastern part of the area, 4 - 5 samples containing anomalous values of Pb (467, 114 and 103 ppm), Zn (220 ppm), Cu (232 ppm), Zr and Ce, are

interpreted to be influenced by the mine sequence/amphibolite and may be due to mineralization. This is described in more detail in the follow-up report.

The "fingerprint" of the Kjennsvatnet area has a different character. Here, the follow-up sampling of the area was undertaken for geological reasons. During the geological mapping metallogenic lithologies similar to those found in the Bleikvassli area were identified. The concentrations of Cr, Ni, Mg and to some extent Co and Cu, indicate that the samples may be affected by material from an ultramafic rock body within the Målvatnet Unit (see the follow-up report).

The "fingerprint" of the Grasvatnet area has an interesting pattern because of the high concentrations of Au, Cu and Pb in comparison to the other elements. This area should be investigated in more detail.

One single-point anomaly at Lifjellet contains 300 ppm Zn. The large sample spacing and the lack of anomalies around the Bleikvassli orebody means that this site should be resampled with 10 - 20 new samples.

8 CONCLUSIONS

The soil sample spacing of 1 km was not dense enough to find the Bleikvassli orebody.

Variations in grain size and organic content seem to have very little affect on the analytical values.

Anomalous values in samples from the Kongsdalen area are interpreted to be due to known mineralization.

A geologically interesting area at Kjennsvatnet with enhanced values of Cr, Ni, Mg Co and Cu is assumed to contain material from an ultramafic body.

Anomalous values were found in samples from Leirskarddalen, Artfjellet, and the western part of the Hallvarddalen areas. These are interpreted to be due to barren rock units (including a sulphide-bearing graphite schist at Artfjellet) containing high background values combined with oxidation, an affinity to Fe-Mn oxides, precipitation in carbonate-rich environments and possible contamination from human activity.

Anomalous values from the eastern part of the Hallvarddalen area are interpreted to be influenced by the mine sequence/amphibolite and may be due to mineralization. Follow-up sampling should be undertaken.

The anomalous area of Grasvatnet and a single-point anomaly at Lifjell (300 ppm Zn) should both be followed up.

9 FUTURE WORK

The requirement for further investigations within the survey area must be based on an assessment of both geochemical, geophysical and geological results. However, an assessment of the further investigations required based purely on the geochemical data obtained to date is given below.

The anomalous area of Grasvatnet is proposed for follow-up sampling in an east-west orientated soil sampling grid of 800 m x 250 m, using a hand auger to sample the base of the soil. With a recommended sample spacing of 50 m a total of approximately 100 samples is needed.

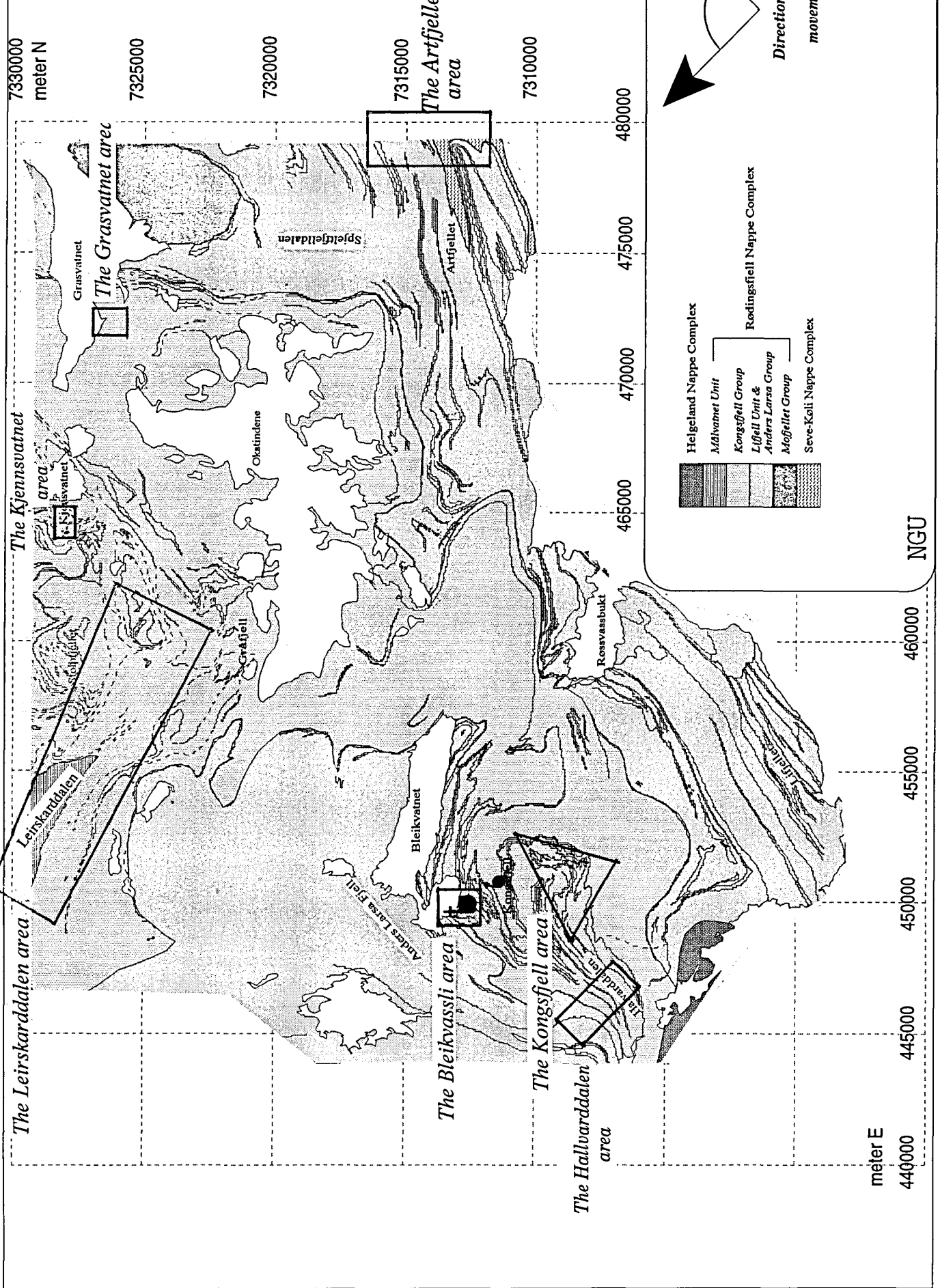
The eastern side of the Hallvarddalen area is also proposed for follow-up sampling with two different soil sampling grids using a hand auger at the base of the soil. One grid, 600 m x 400 m, should be situated close to the two samples containing 467 and 114 ppm Pb and parallel to the strike. This sampling grid should have a sample spacing of 25 m, giving a total of 221 samples. A second grid, 250 x 250 m, should be sited close to the sample containing 103 ppm Pb and parallel to the topographic contours. A sample spacing of 50 m is recommended giving a total of 36 samples.

The single-point anomaly at Lifjellet is proposed for follow-up sampling. Soil samples should be collected from the base of the soil on 3 traverses parallel to the topographic contours. The traverses should each be 300 m long and 100 m apart, with a sample spacing of 50 m giving a total of 21 samples.

REFERENCES

- Bjerkgård, T., Larsen, R.B. & Marker, M. 1995.: Regional Geology of the Okstindene Area, the Rödingsfjäll Nappe Complex, Nordland, Norway. NGU Rapport 95.153.
- Dalsegg, E. 1996.: CP-målinger Kongsfjell - øst, Hemnes, Nordland. NGU Rapport 96.006.
- Elvebakk, H & Dalsegg, E. 1996.: TFEM-målinger Bleikvassli, Hemnes, Nordland. NGU Rapport 96.007.
- Hultin, I.G., 1980.: Bleikvassli regionalt, bekkesedimentprøvetaking og sporleting. Rapport Bleikvassli Gruber.
- Kjeldsen, S., 1987.: Geokjemisk kartlegging i Nordland og Troms. ICAP-analyse av løsmassenes finfraksjon. NGU Rapport 87.142.
- Krog, J.R., 1995.: Soil geochemistry of the Bleikvassli area (Status Report No. 2). Detailed investigations of the Hallvarddalen, Artfjellet and Kjennsvatnet areas. NGU Report 95.156.
- Krog, J.R., Næss, G. 1986.: Geokjemiske undersøkelser av bekkesedimenter i Mo i Rana-området. NGU Rapport 86.049.
- Krog, J.R., Næss, G. 1986.: Geokjemiske undersøkelser av jord i Mo i Rana-området. NGU Rapport 86.050.
- Krog, J.R., 1987.: Geokjemisk kartlegging i Nordland og Troms. Data for HNO₃-løselig innhold av grunnstoffer i bekkesedimentenes finfraksjon. NGU Rapport 87.180.
- Kruse, A., 1986.: The Bleikvassli Area, geology and prospecting: A review. Report Bleikvassli Gruber.
- Larsen, R. B, Walker, N., Birkeland, A. & Bjerkgård, T. 1995.: Fluorine-rich biotites and alkali-metasomatism as guides to massive sulphide deposits: an example from the Bleikvassli Zn-Pb-Ag-Cu deposit, Norway. NGU Rapport 95.152.
- Larsen, R. B., Bjerkgård, T. & Moralev, G. 1995.: Distribution of ore-forming elements in sediment-hosted massive sulphide mineralisations in the Rana region, Norway. NGU Rapport 95.151.
- Logn, Ø., 1978.: Oppfølging av geokjemiske bekkesedimentanomalier Bjerka - Grønnfjell. NGU Rapport 1031.
- Moralev, G., Larsen, R.B. & Bjerkgård, T. 1995.: Distribution of precious metals in the Bleikvassli zinc-lead SEDEX type deposit, Nordland, Norway. NGU Rapport 95.154.

GEOLOGY OF THE SURVEY AREA 1993



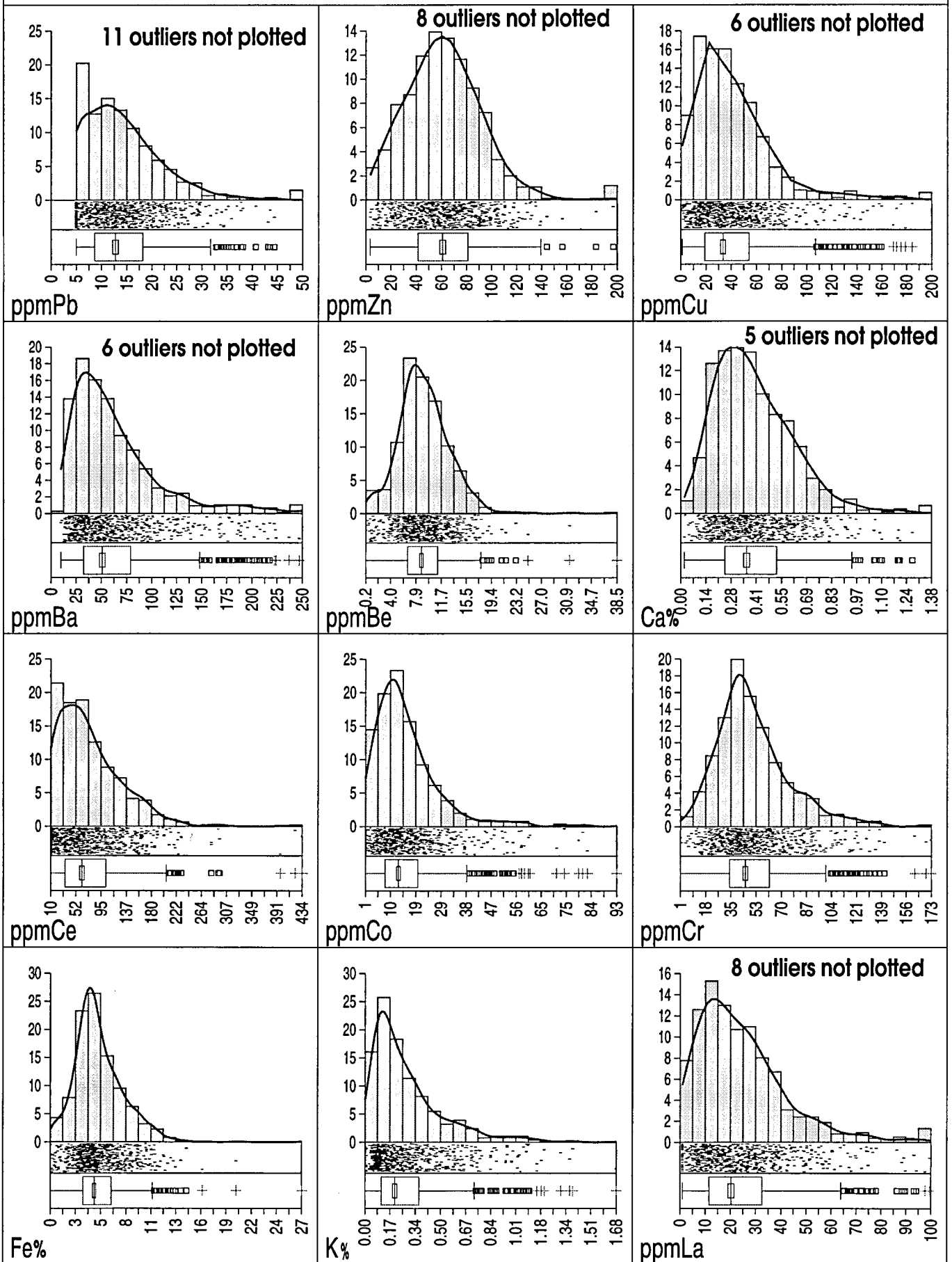
STATISTICS OF ANALYTICAL VALUES OF REGIONAL SOIL SAMPLES

Values below the detection limit are set to detection limit.
For the relevant detection limits, see Appendix 49.

	Unit	Min	Max	Median	Average	SD	N
Pb	ppm	5	157	12.77	15.27	13.22	746
Zn	ppm	3	954	60.98	64.59	50.39	746
Cu	ppm	1	3206	33.62	46.37	123.36	746
Au	ppb	1	90	2	3.32	5.69	746
Ag	ppm	1	1	1	1	0	746
Al	%	0.147	6.6	2.41	2.40	0.82	746
B	ppm	5	119	5	5.39	5.01	746
Ba	ppm	10	436	50.95	64.53	48.31	746
Be	ppm	0	39	8.69	9.05	3.91	746
C	%	0.02	37.8	3.54	4.33	3.63	746
Ca	%	0.020	6.8	0.36	0.42	0.40	746
Cd	ppm	1	2	1	1.00	0.05	746
Ce	ppm	10	434	62.67	75.18	55.82	746
Co	ppm	1	93	13.11	16.03	12.42	746
Cr	ppm	1	173	45.35	50.50	25.22	746
Fe	%	0.044	26.9	4.74	5.25	2.69	746
Fines	%	7	97	33.33	35.37	13.97	746
K	%	0.000	1.6	0.20	0.28	0.244	746
La	ppm	1	287	20.31	25.51	23.92	746
Li	ppm	1	75	18.38	20.45	11.67	746
Mg	%	0.014	2.7	0.86	0.90	0.47	746
Mn	%	0.001	0.9	0.03	0.05	0.07	746
Mo	ppm	1	19	1.43	1.91	1.55	746
Na	%	0.010	0.1	0.03	0.03	0.01	746
Ni	ppm	2	205	28.81	33.91	26.33	746
P	%	0.003	3.0	0.08	0.09	0.12	746
S	%	0.00	0.4	0.02	0.04	0.04	746
Sc	ppm	1	31	5.71	6.28	3.28	746
Si	%	0.010	0.4	0.01	0.02	0.032	746
Sr	ppm	2	880	15.84	18.55	33.56	746
Ti	%	0.022	0.6	0.19	0.20	0.08	746
V	ppm	3	378	72.26	79.20	34.35	746
Zr	ppm	1	45	9.57	11.18	6.51	746
Y	ppm	1	260	13.09	16.63	16.63	746

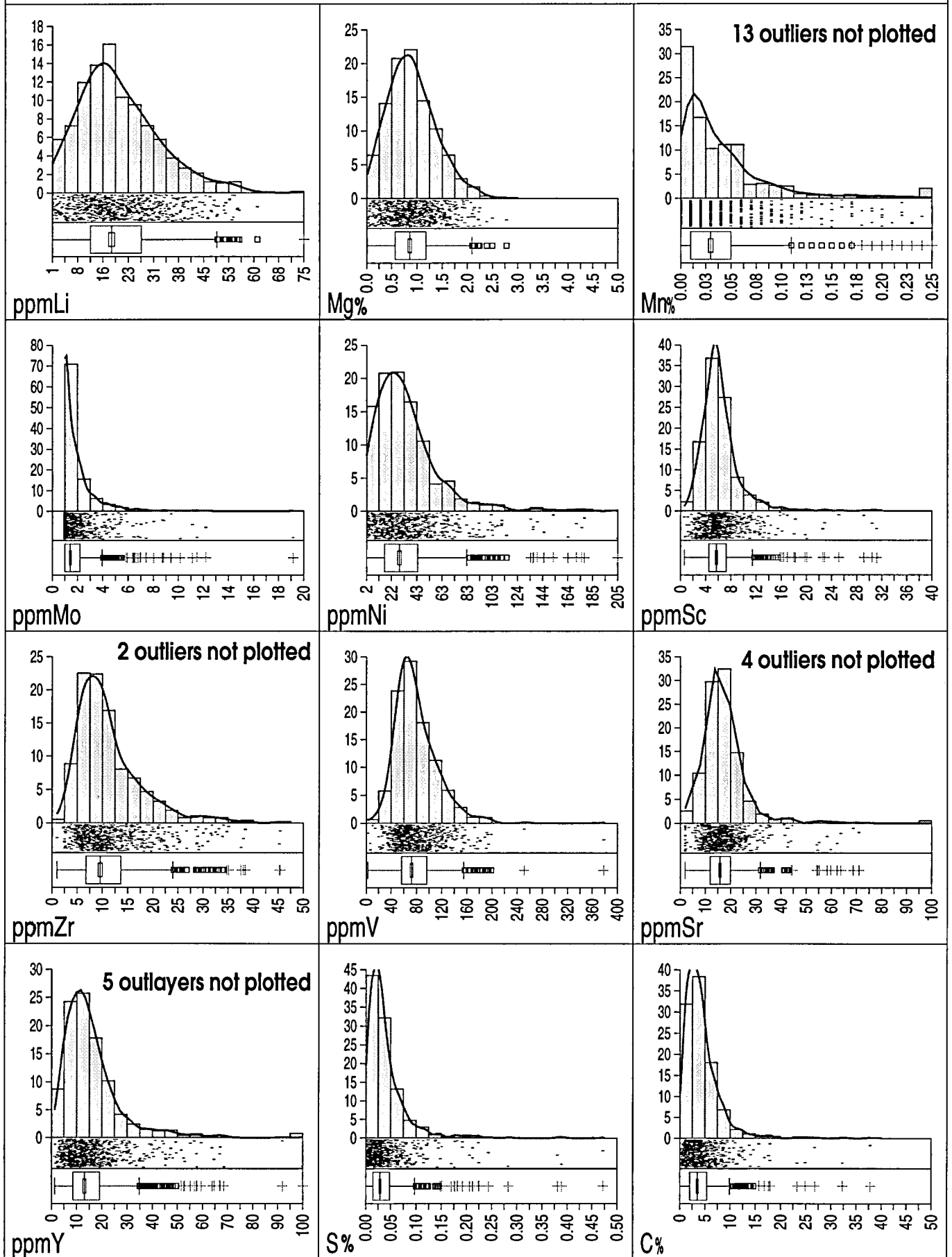
Histogram Density trace Scatterplot Boxplot

BLEIKVASSLI REGIONAL SOIL 1993

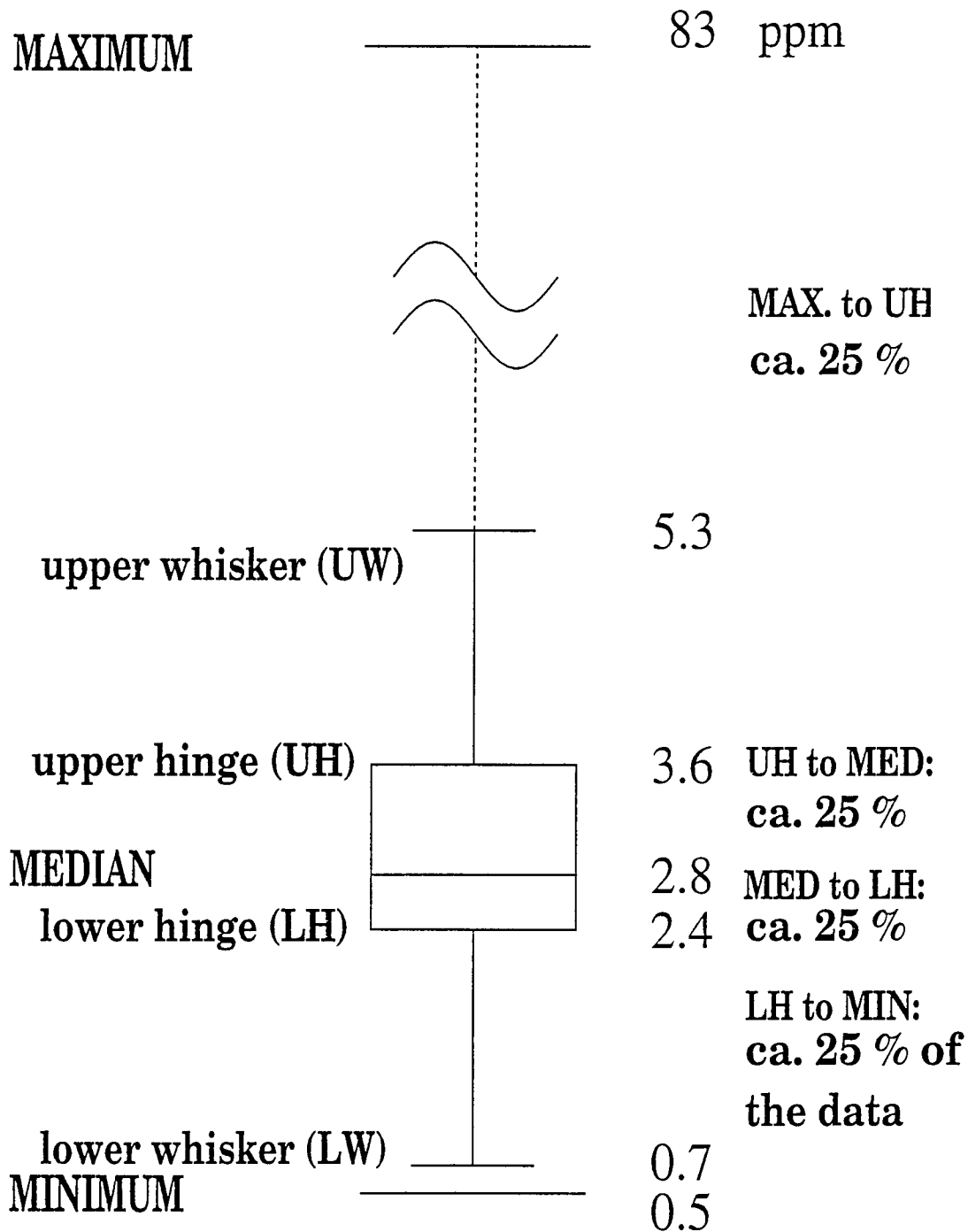


Histogram Density trace Scatterplot Boxplot

BLEIKVASSLI REGIONAL SOIL 1993



Explanation of the BOXPLOT



AS (N=316)

Definitions: hinge spread (HS) = UH - LH
 upper whisker = UH + 1.5 x HS
 lower whisker = LH - 1.5 x HS
 the whiskers are drawn at the last actual data point

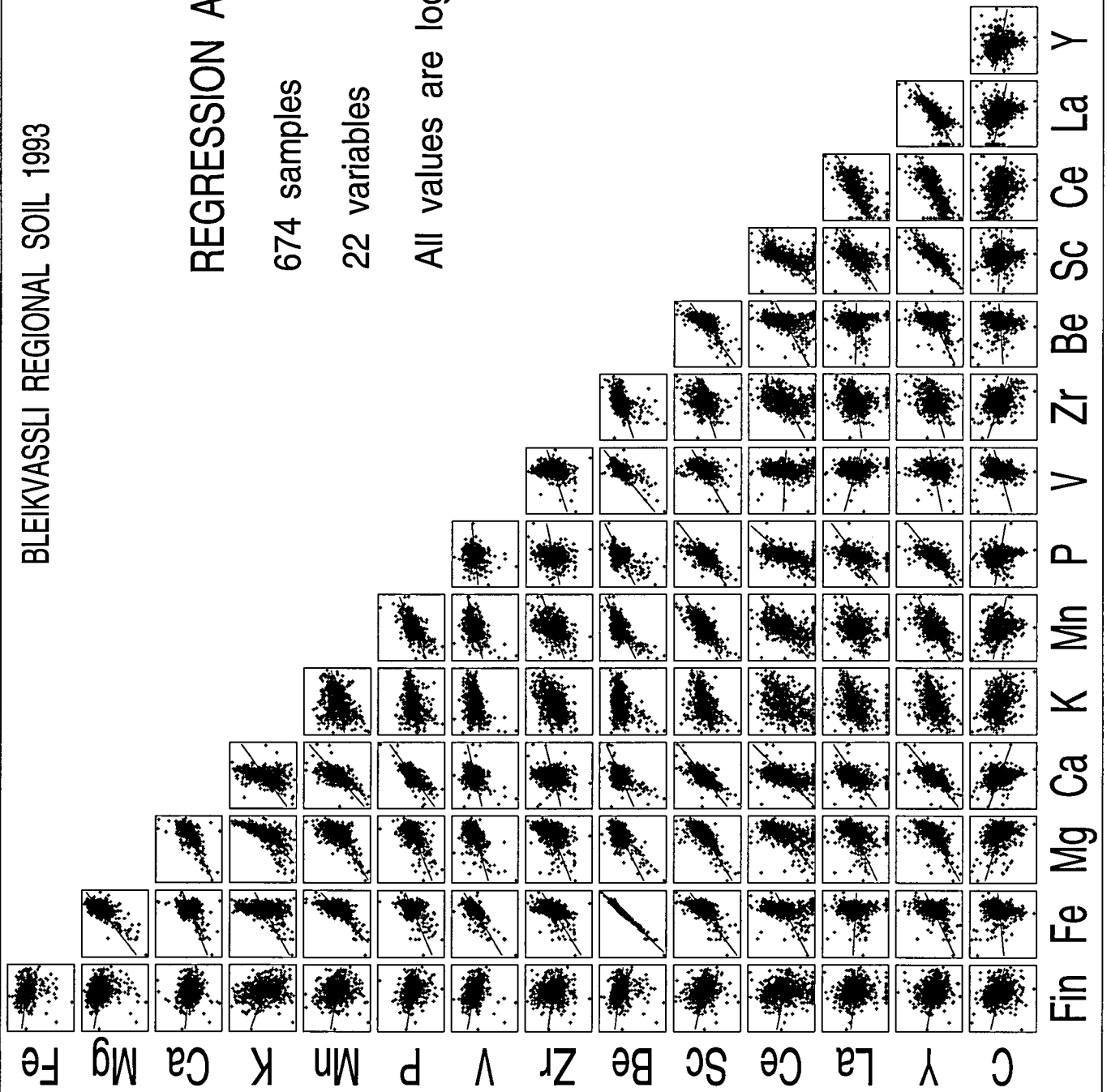
BLEIKVASSLI REGIONAL SOIL 1993

REGRESSION ANALYSIS PART 2

674 samples

22 variables

All values are log-transformed



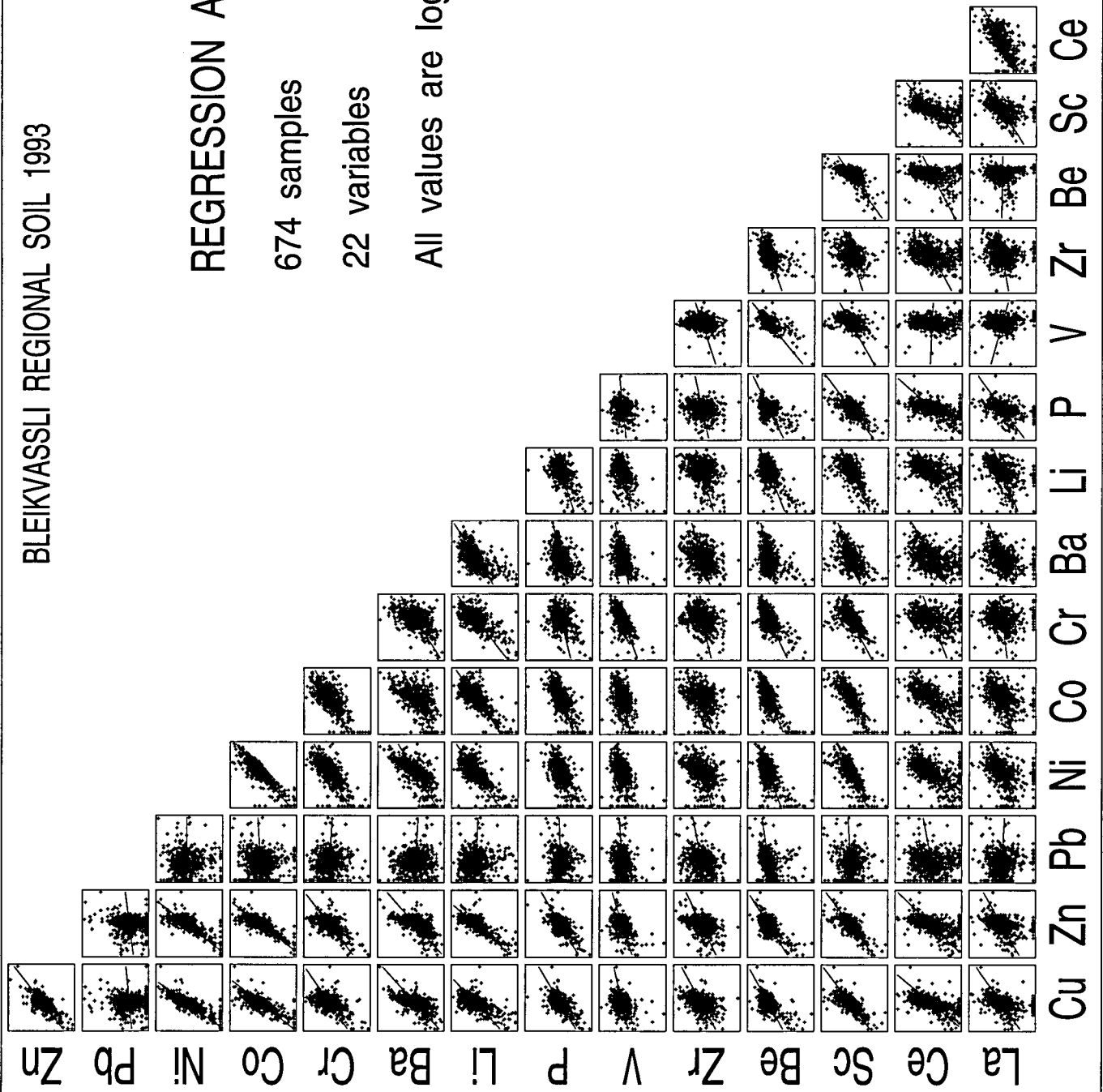
BLEIKVASSLI REGIONAL SOIL 1993

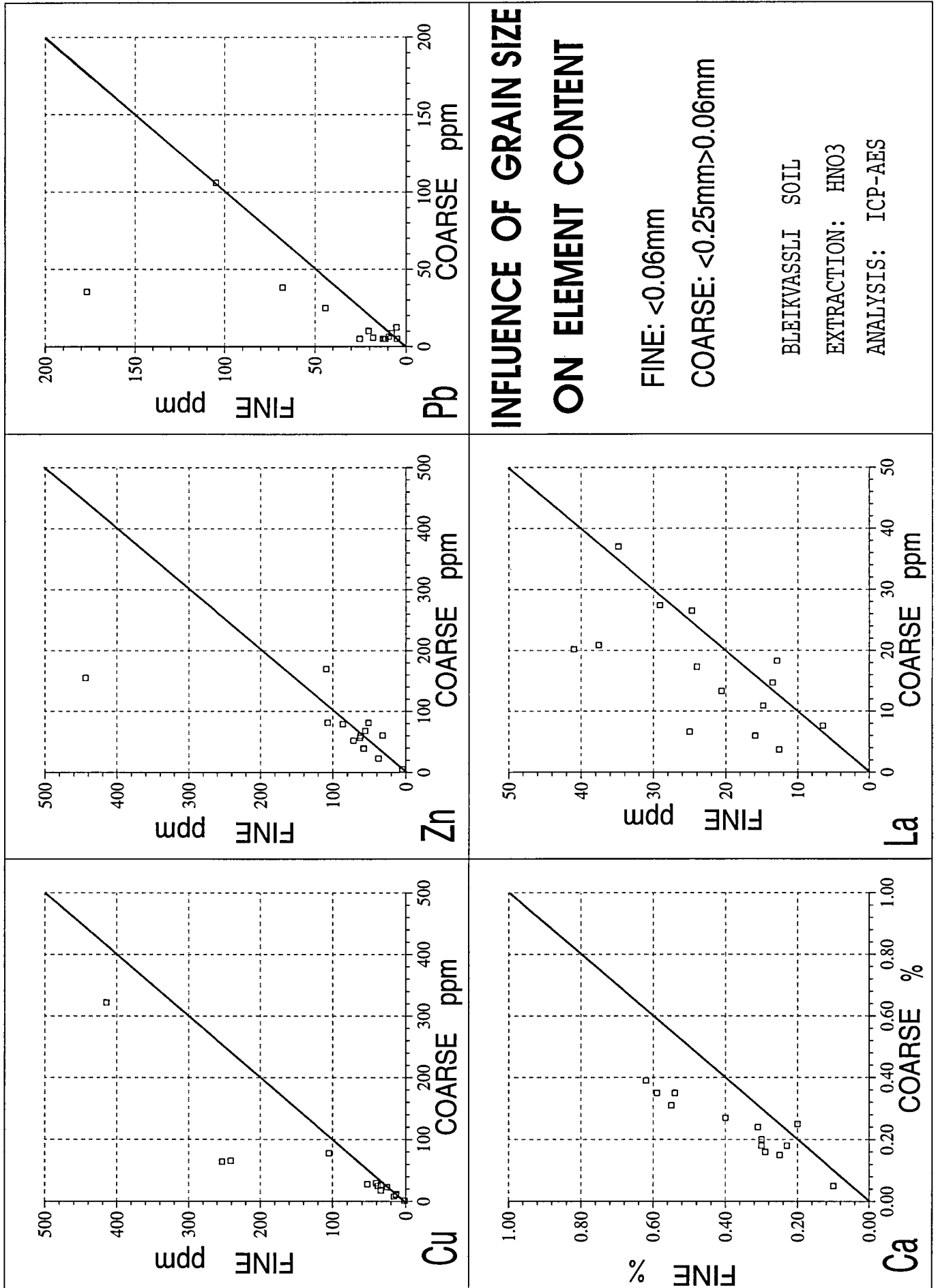
REGRESSION ANALYSIS PART 3

674 samples

22 variables

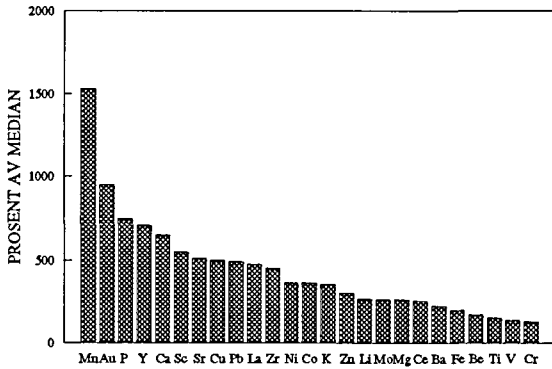
All values are log-transformed



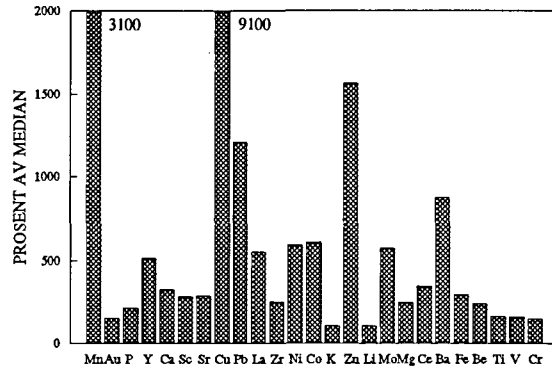


FINGERPRINTS OF MAXIMUM VALUES

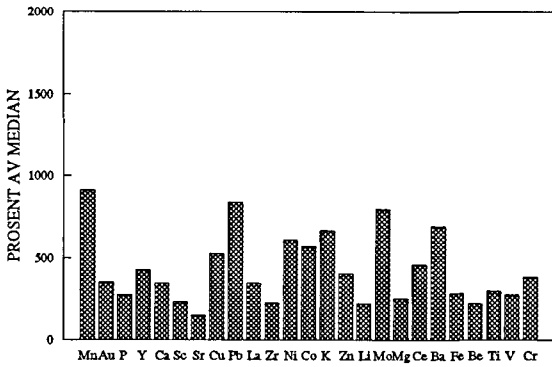
BLEIKVASSLI



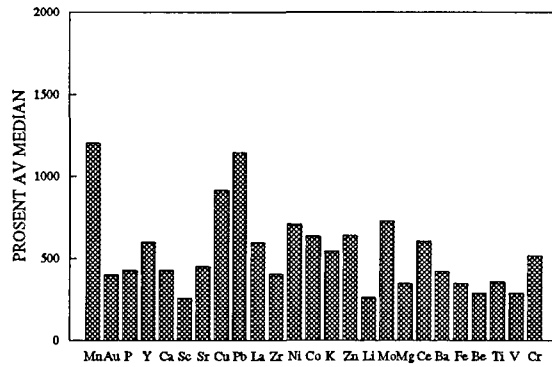
KONGSFJELLET



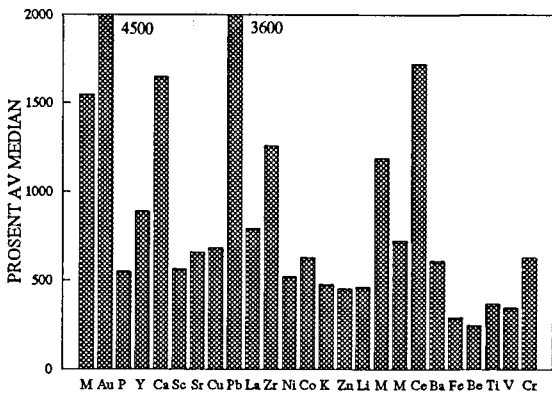
LEIRSKARDDALEN



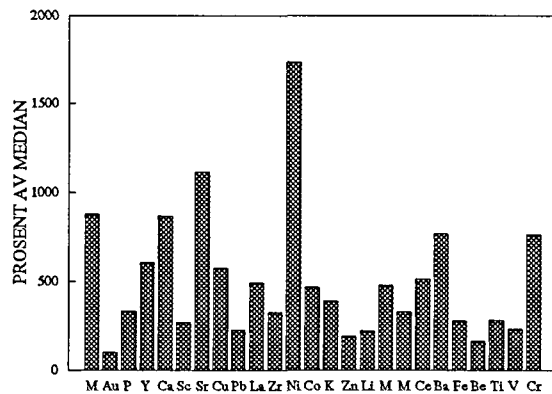
ARTFJELL



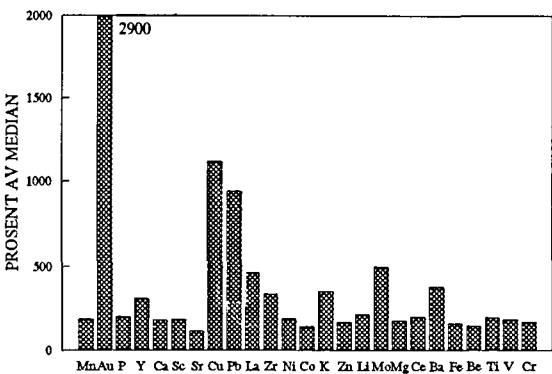
HALLVARDDALEN



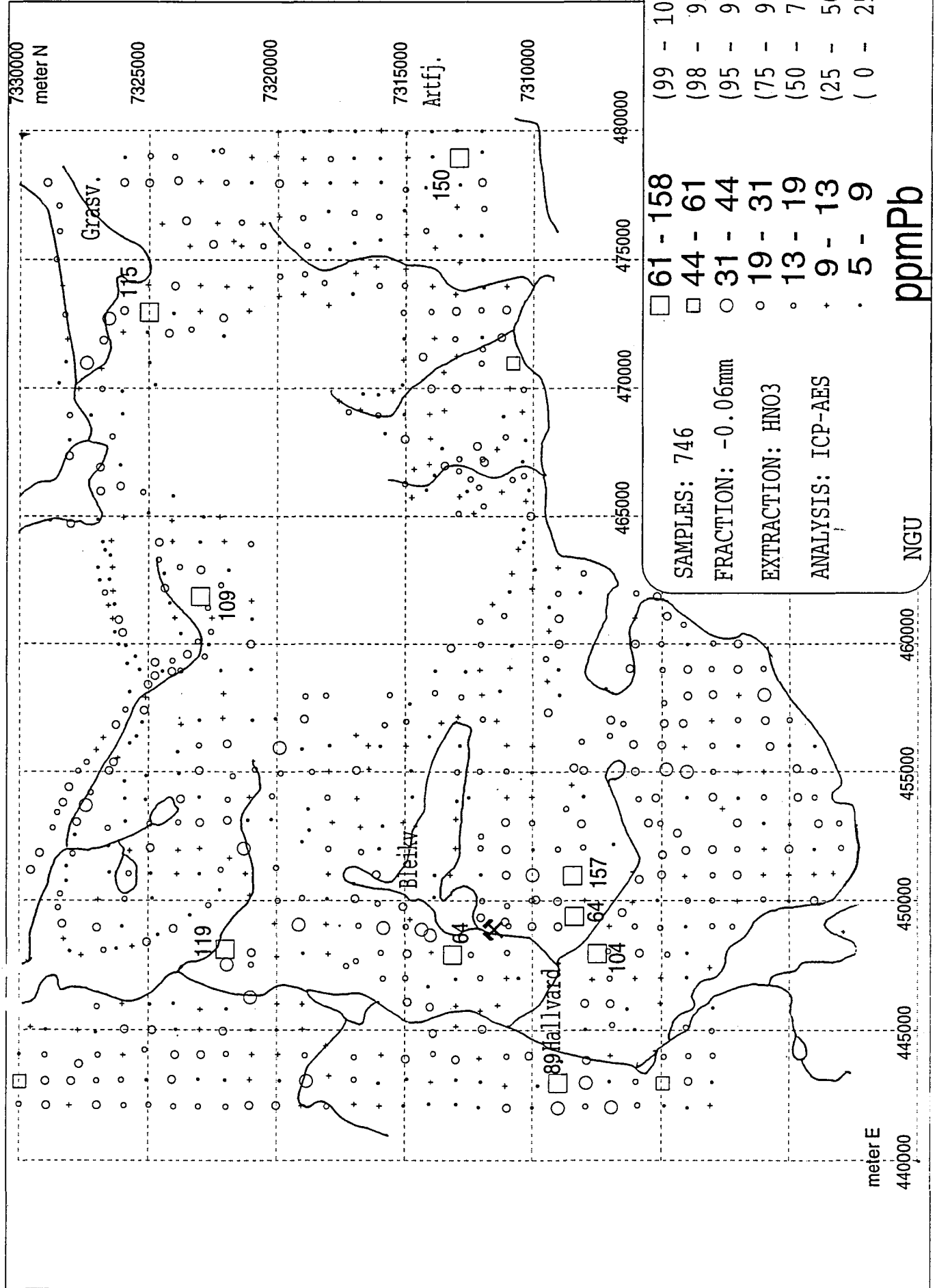
KJENSVATNET



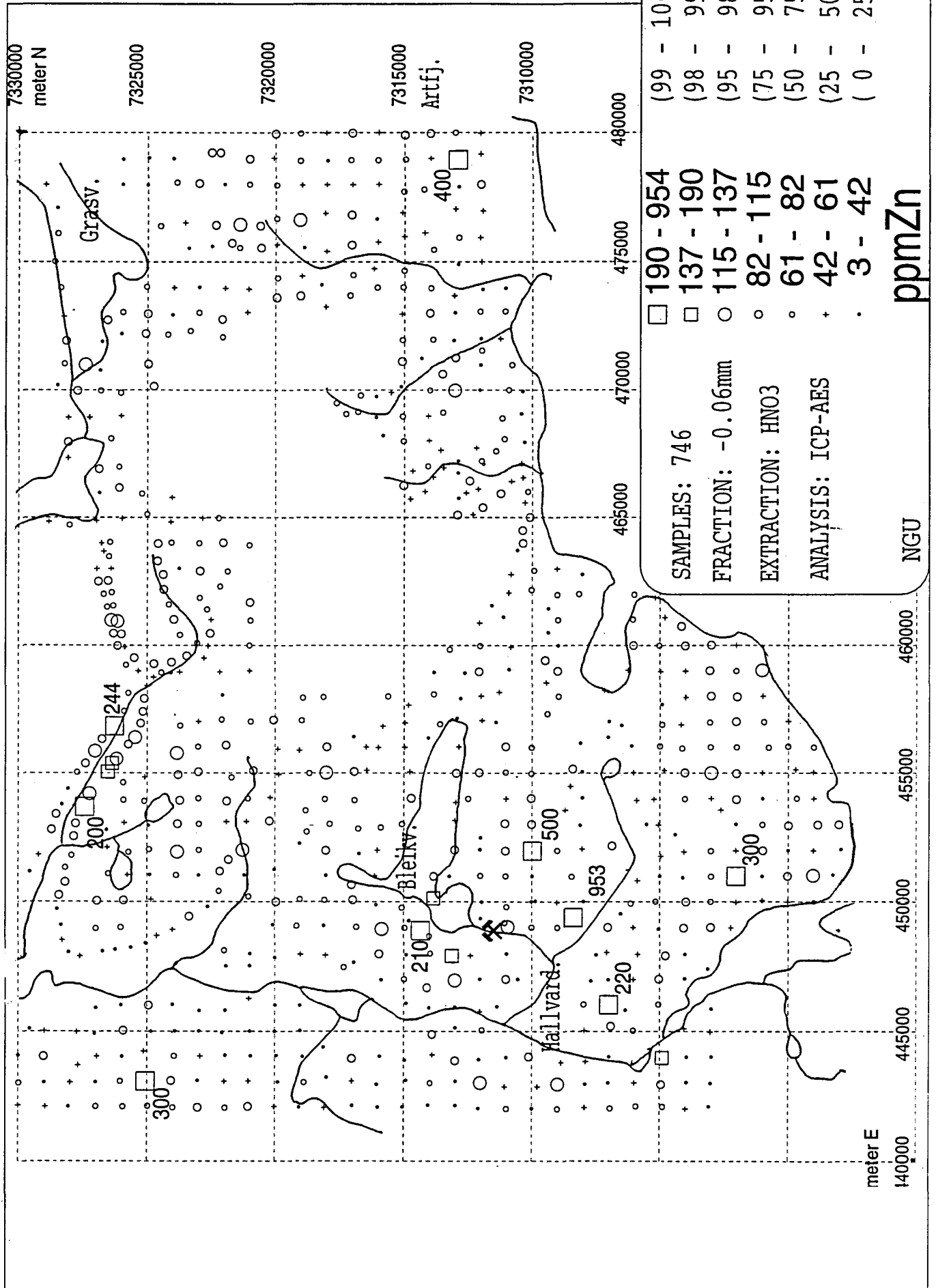
GRASVATNET



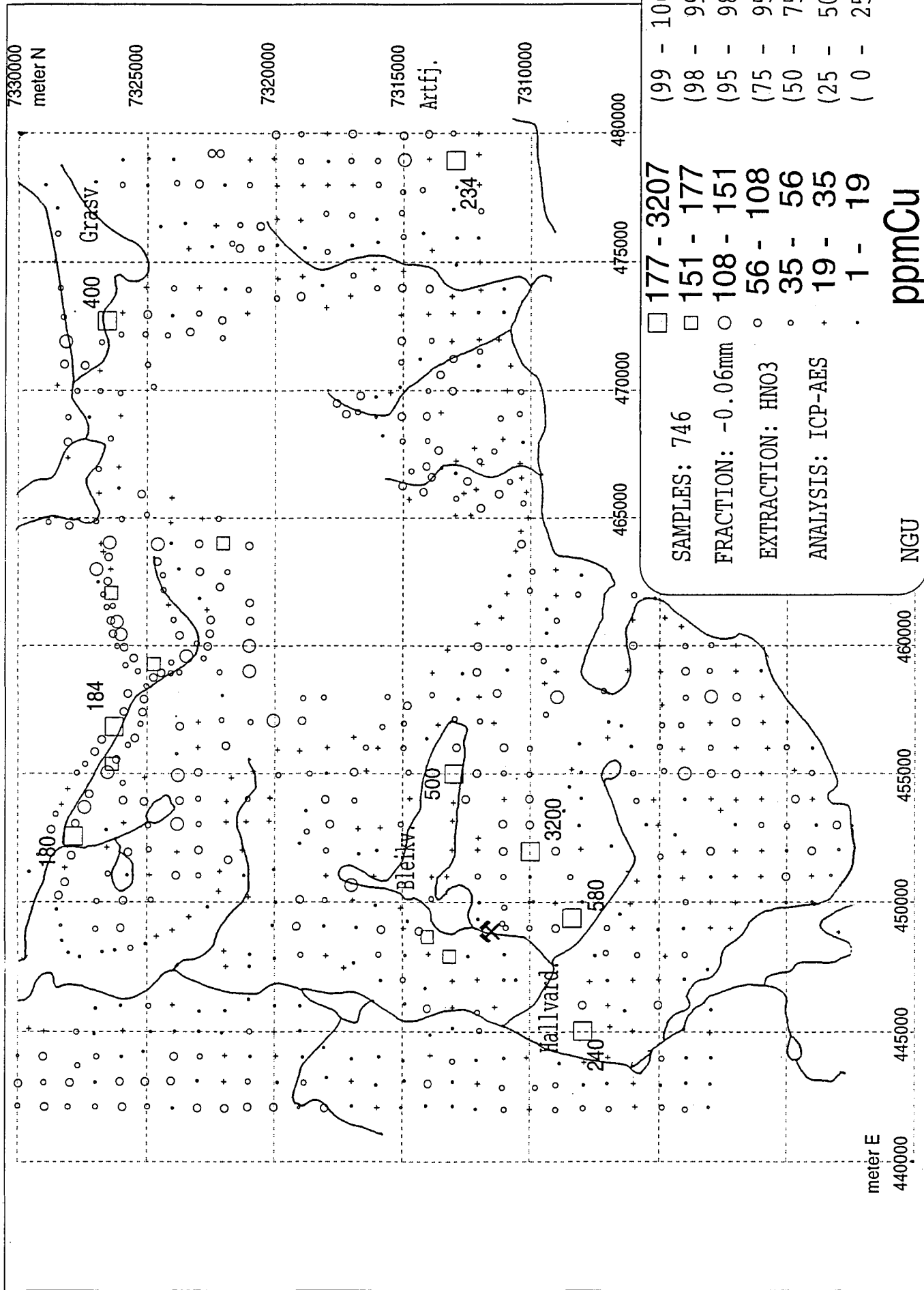
BLEIKVASSLI REGIONAL SOIL 1993



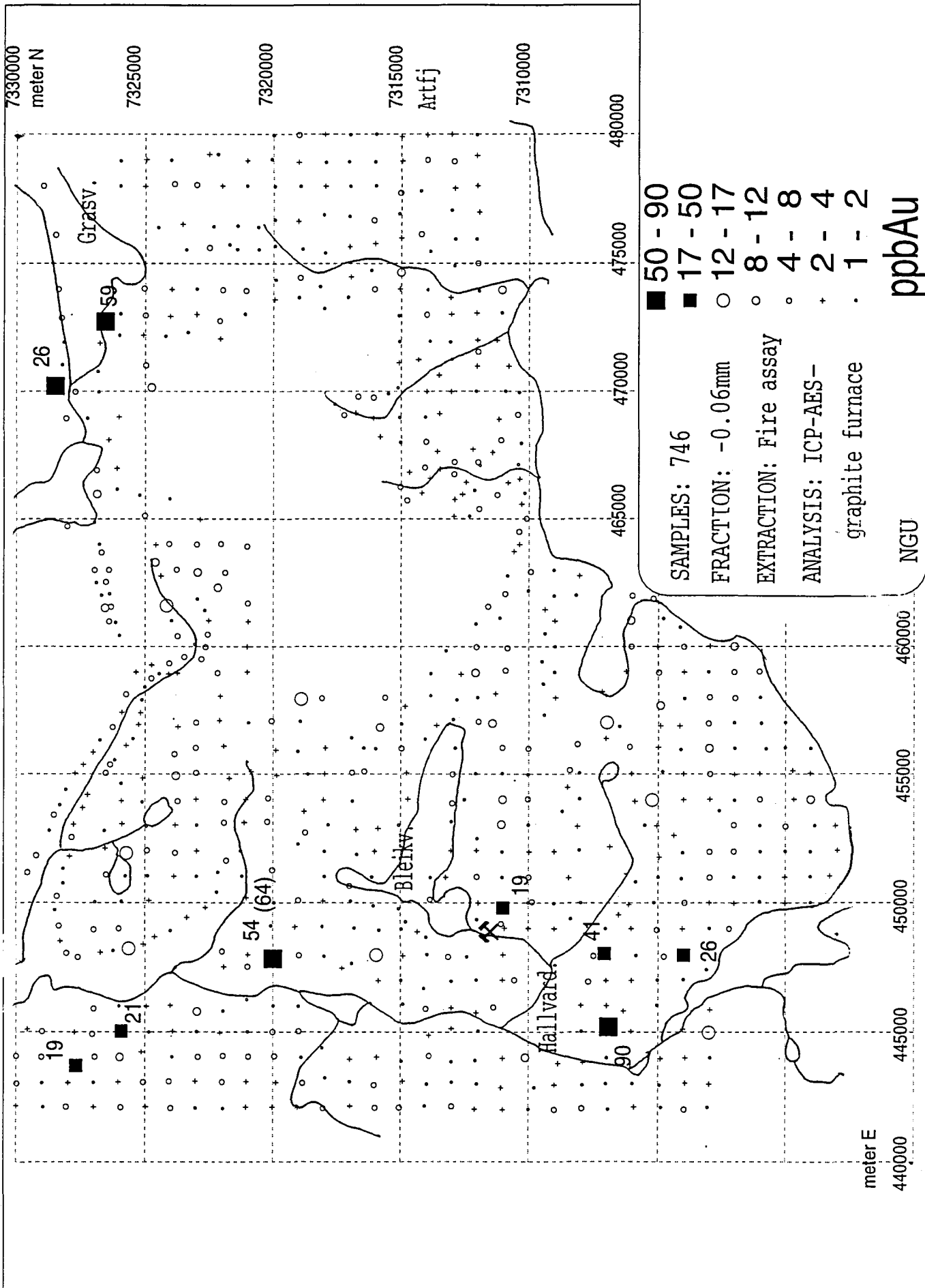
BLEIKVASSLI REGIONAL SOIL 1993



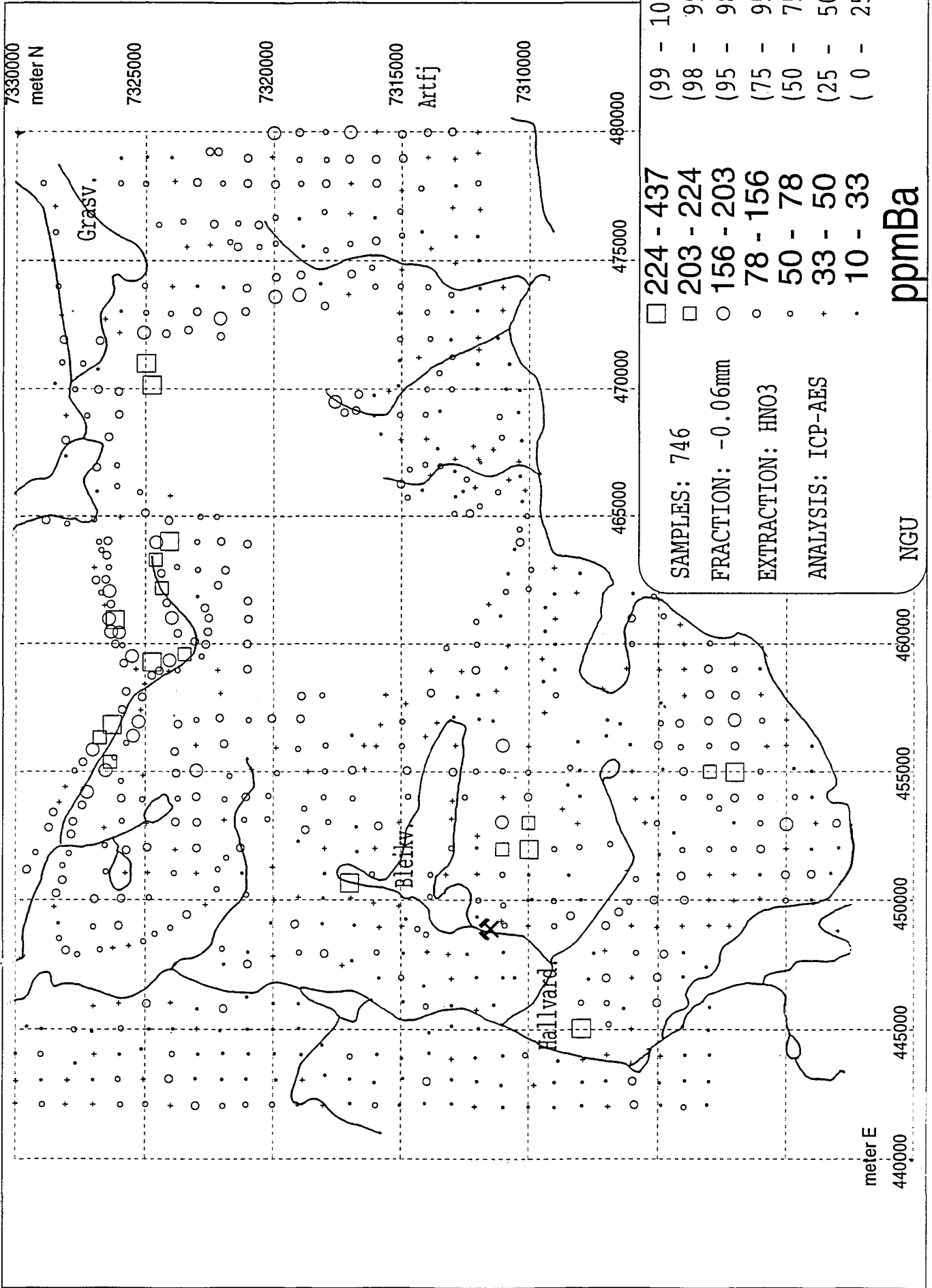
BLEIKVASSLI REGIONAL SOIL 1993



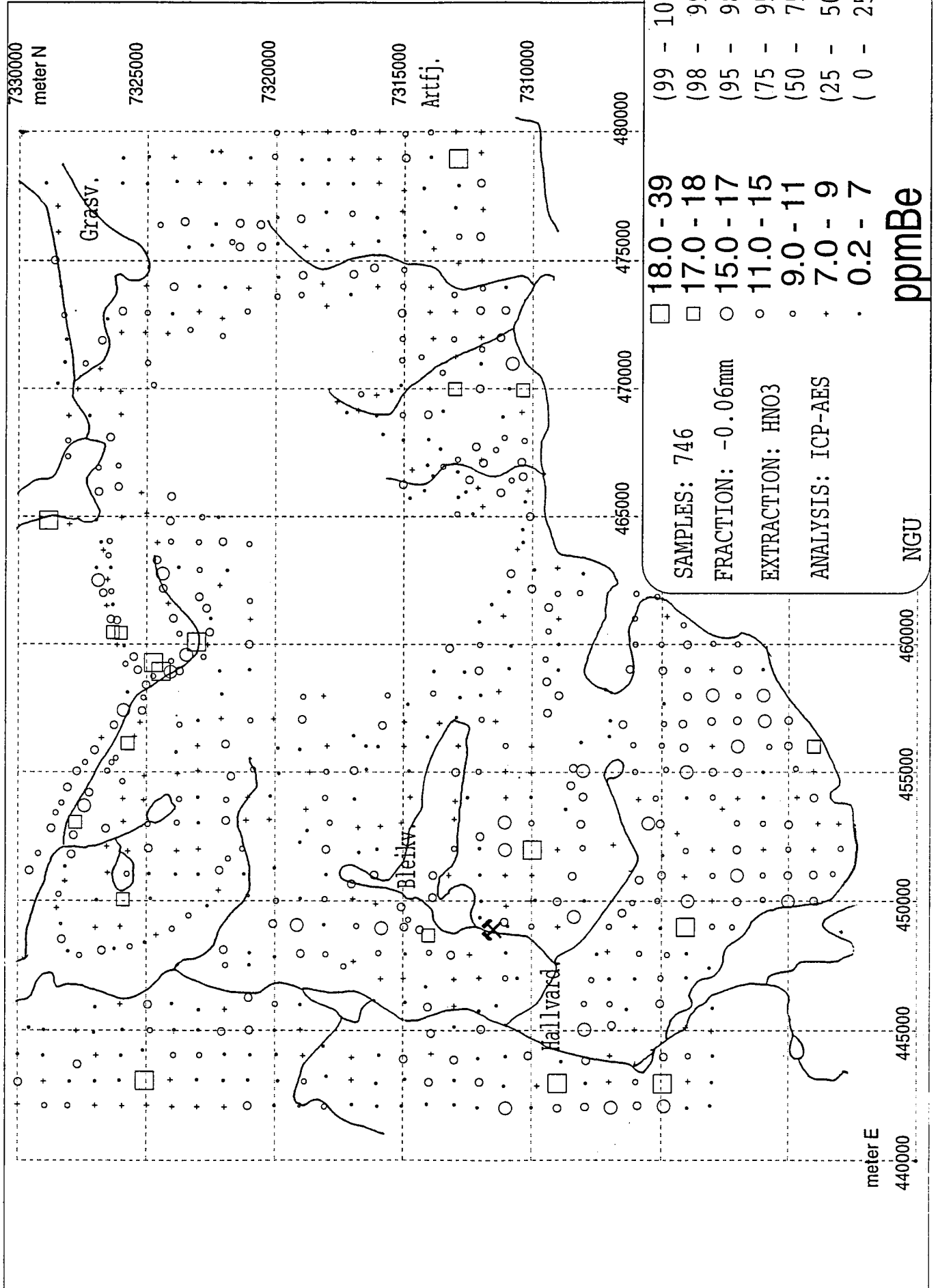
BLEIKVASSLI REGIONAL SOIL 1993



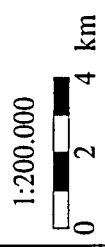
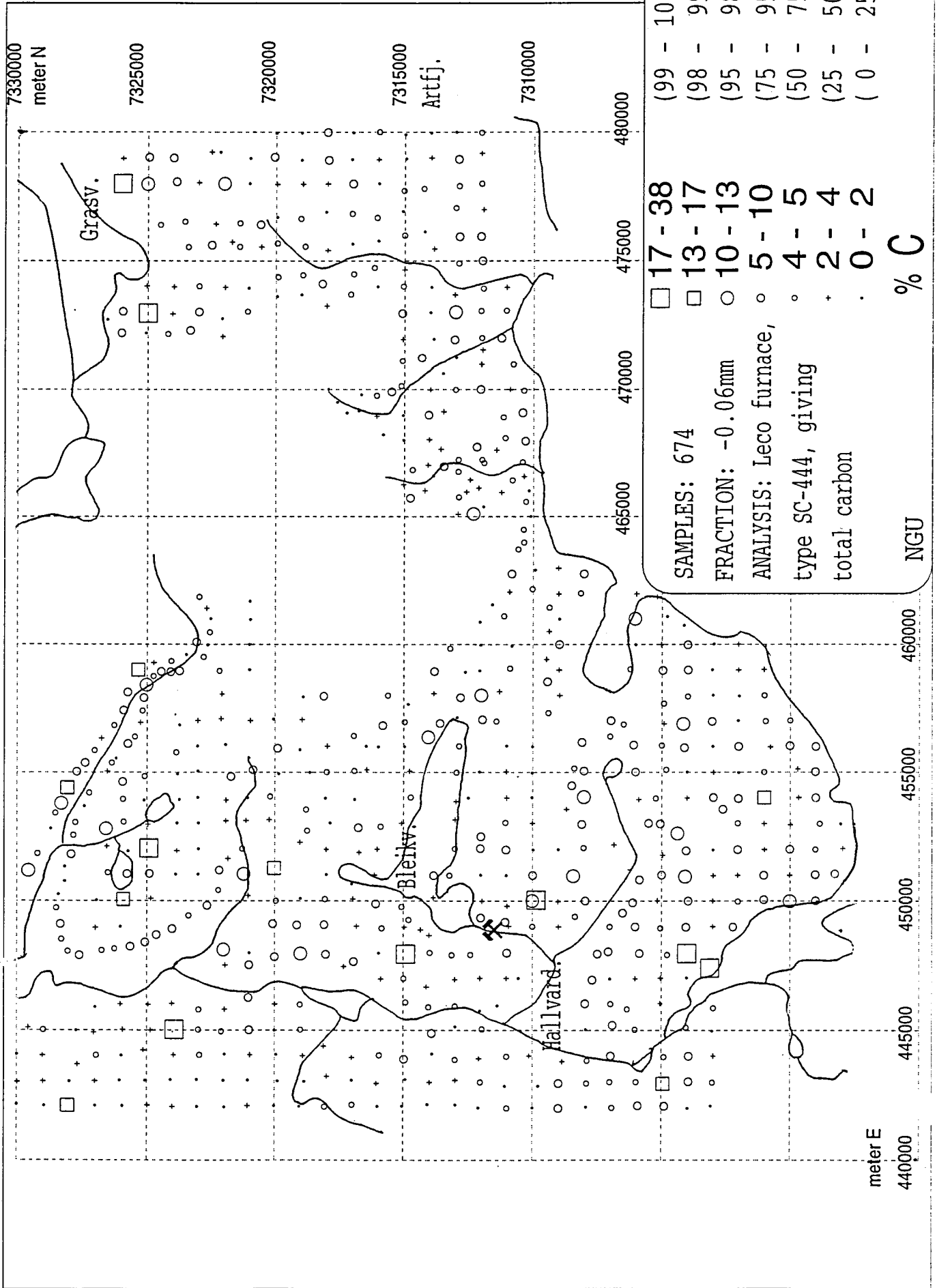
BLEIKVASSLI REGIONAL SOIL 1993



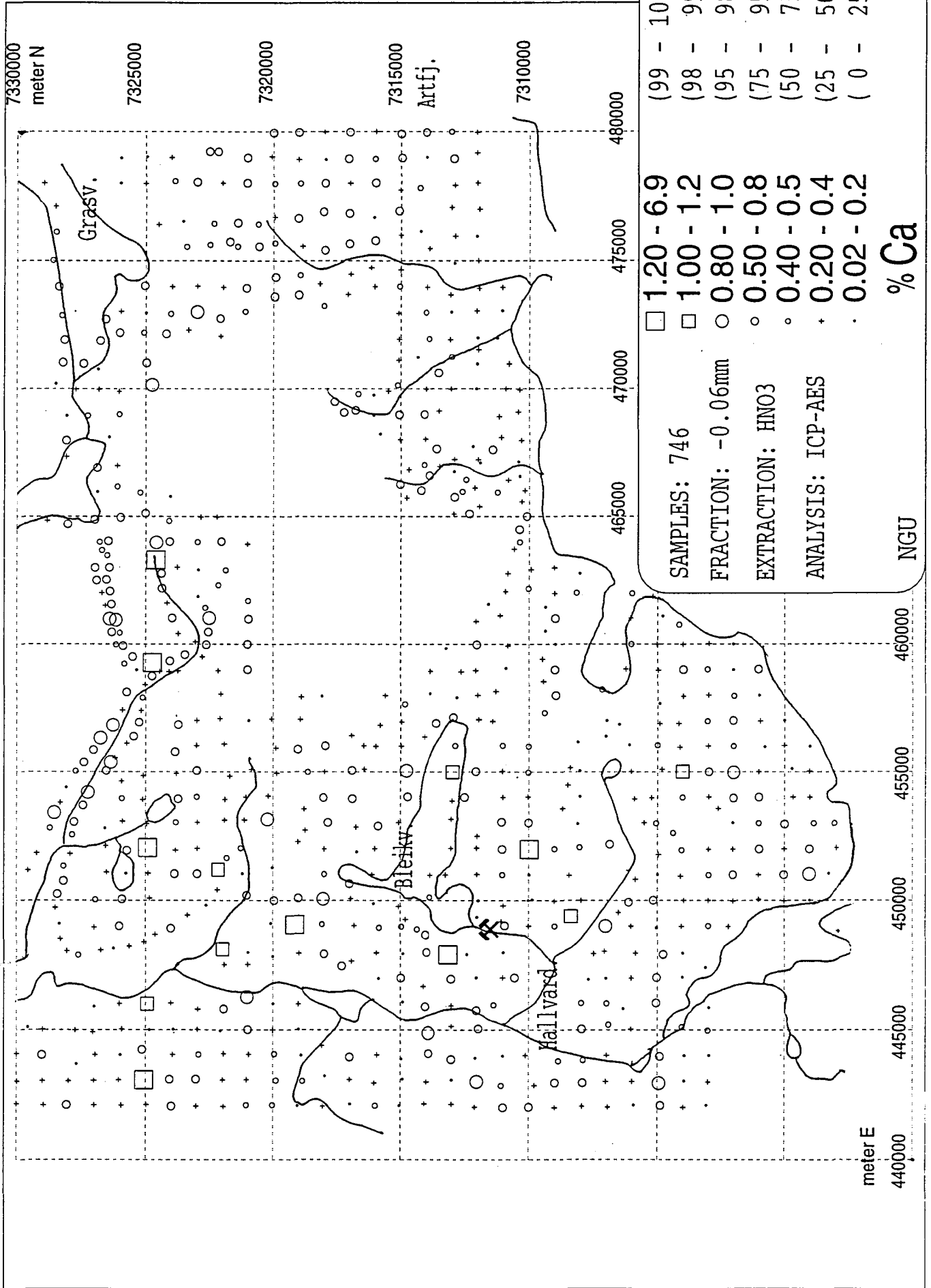
BLEIKVASSLI REGIONAL SOIL 1993



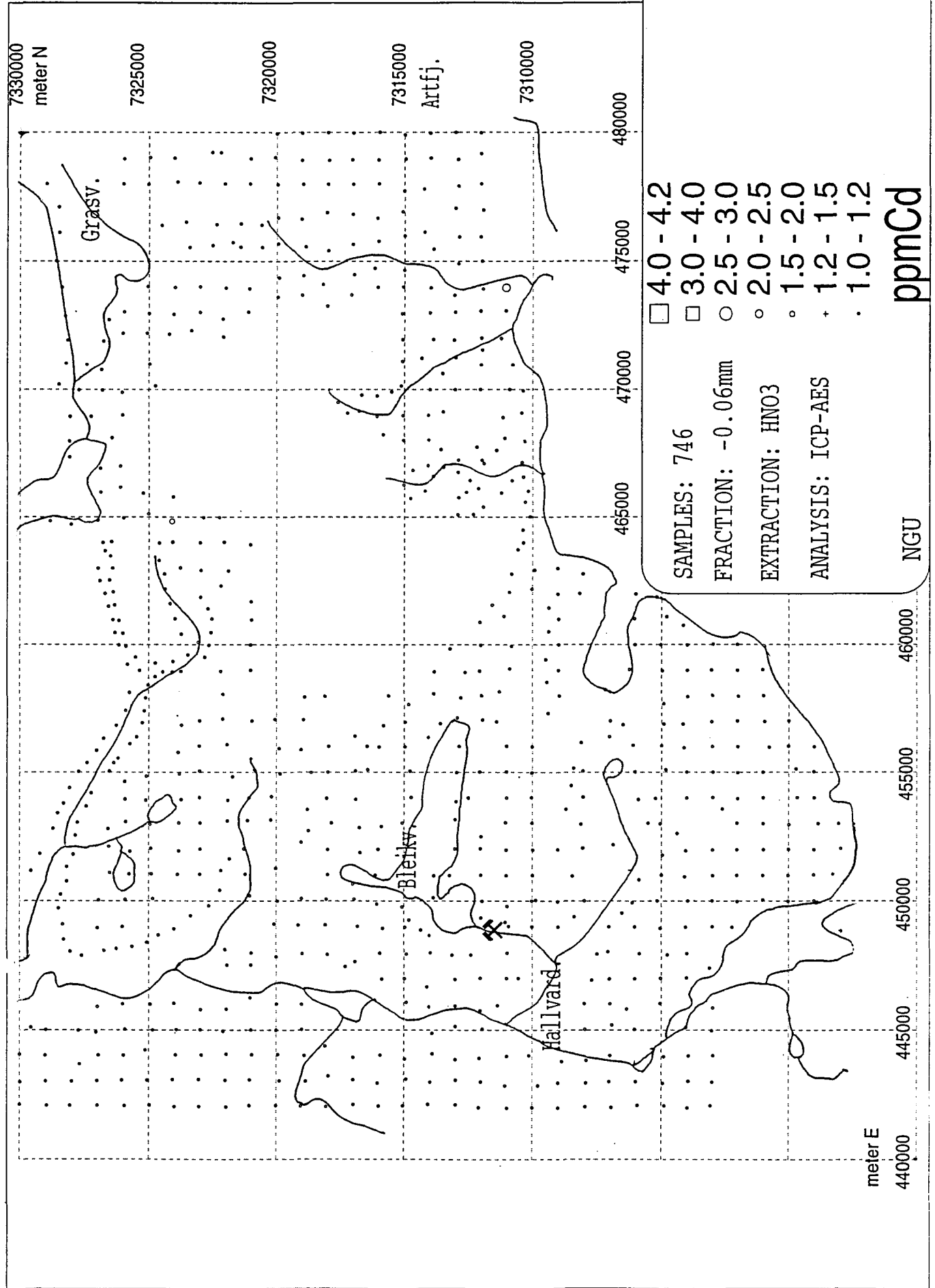
BLEIKVASSLI REGIONAL SOIL 1993



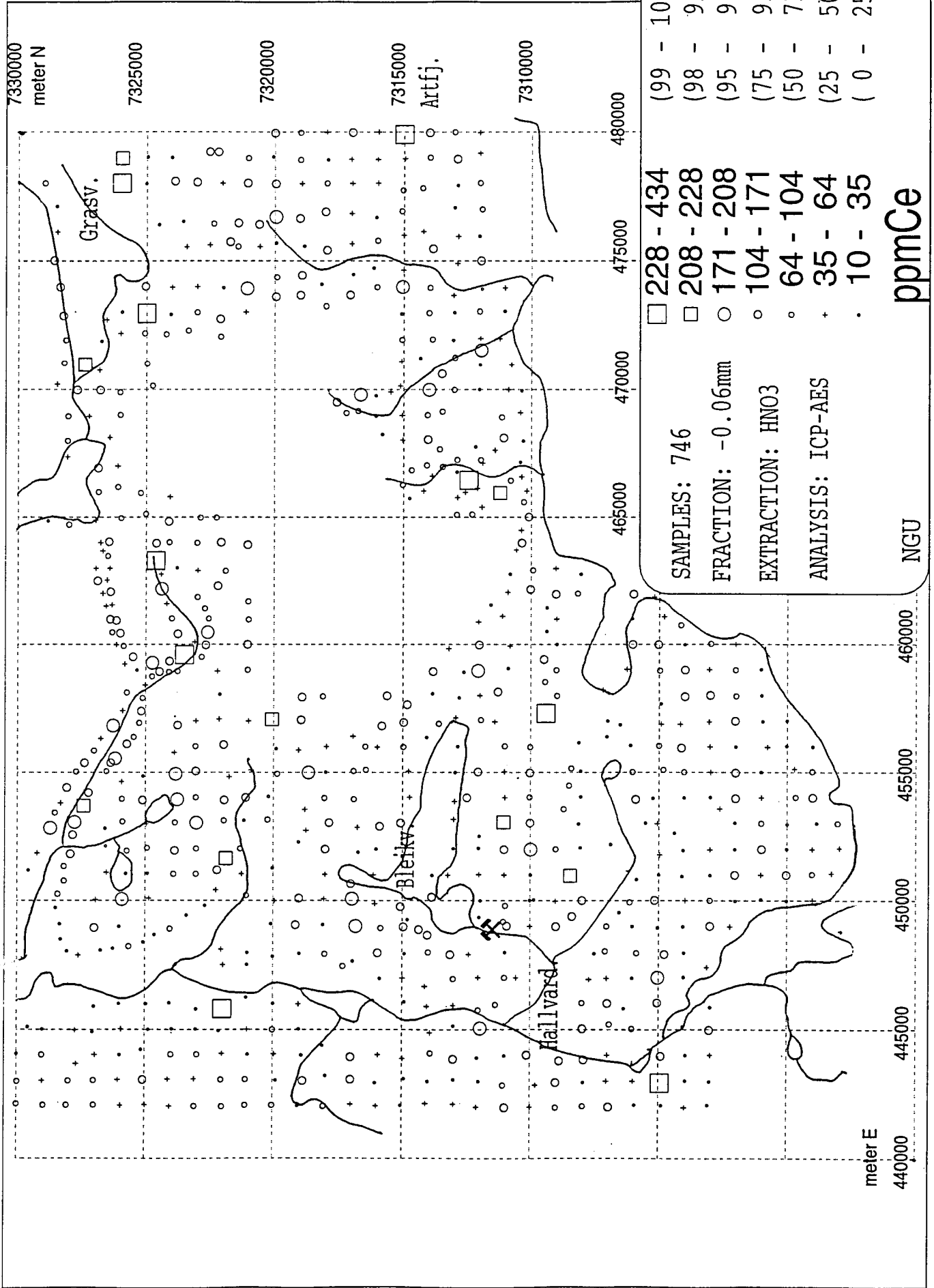
BLEIKVASSLI REGIONAL SOIL 1993



BLEIKVASSLI REGIONAL SOIL 1993



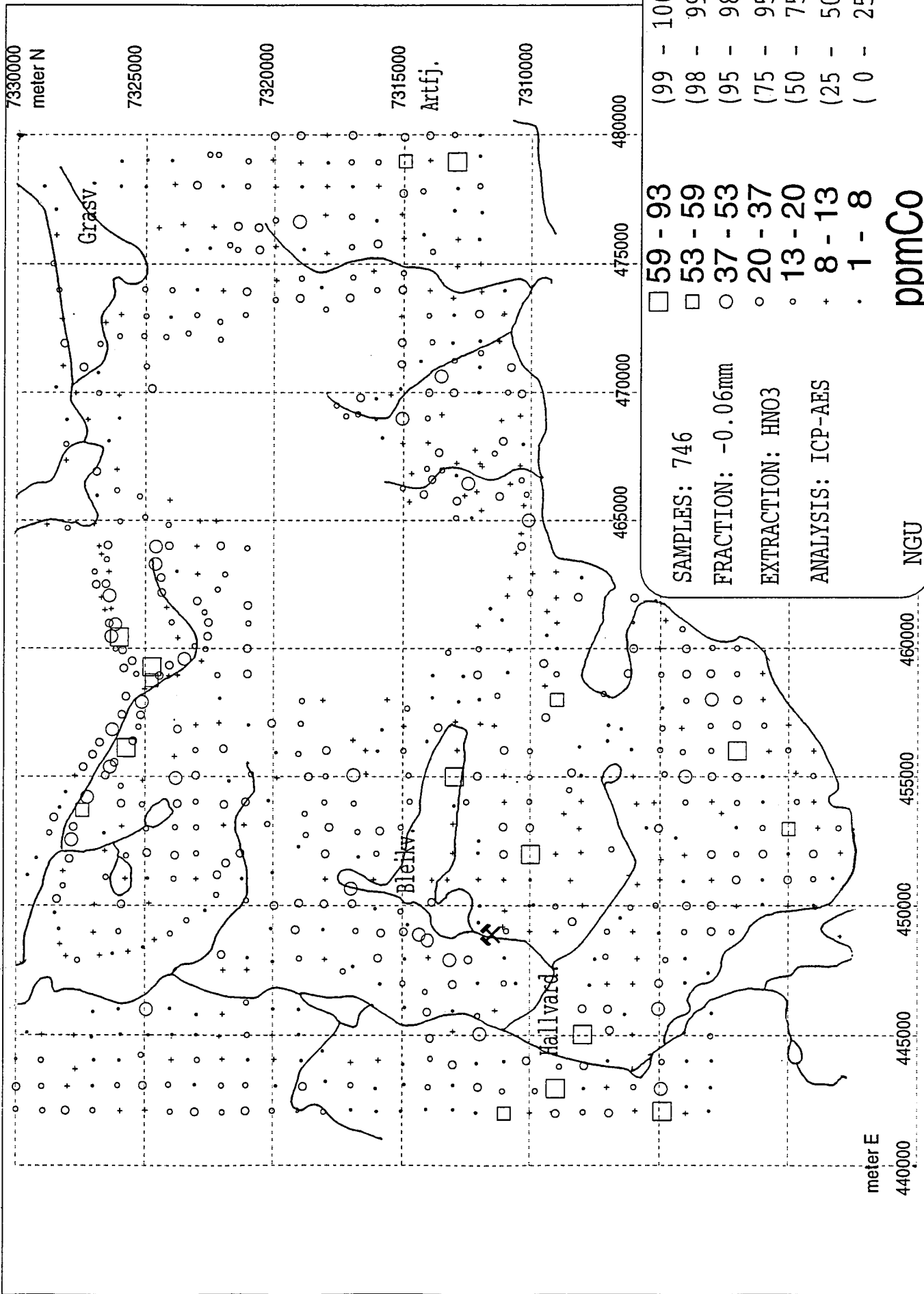
BLEIKVASSLI REGIONAL SOIL 1993



SAMPLES: 746	□ 228 - 434	(99 - 100%)
FRACTION: -0.06mm	□ 208 - 228	(98 - 99%)
EXTRACTION: HNO3	○ 171 - 208	(95 - 98%)
ANALYSIS: ICP-AES	○ 104 - 171	(75 - 95%)
	○ 64 - 104	(50 - 75%)
	+ 35 - 64	(25 - 50%)
	· 10 - 35	(0 - 25%)
		ppmCe
		NGU

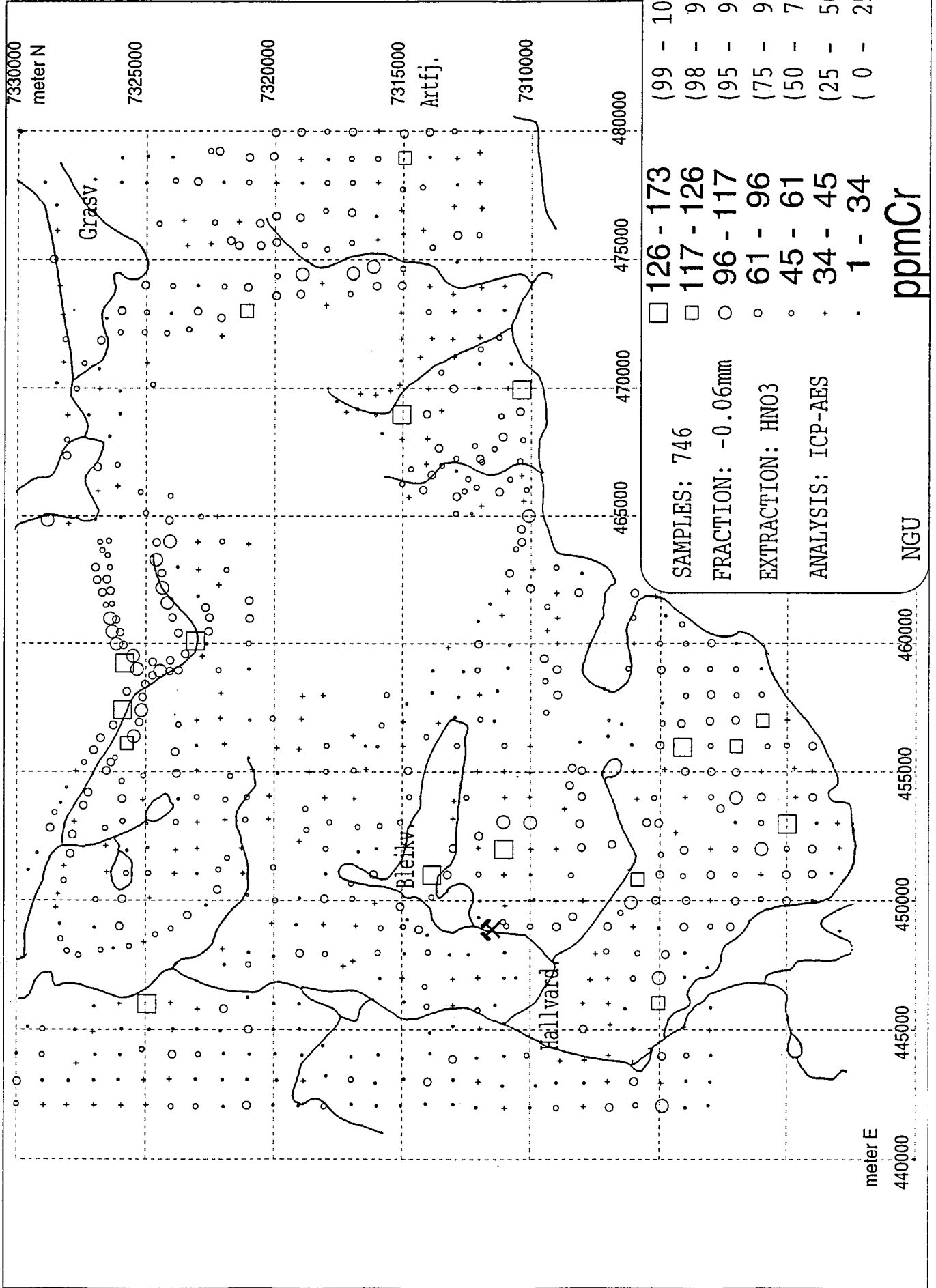


BLEIKVASSLI REGIONAL SOIL 1993



SAMPLES: 746	□ 59 - 93	(99 - 100%)
FRACTION: -0.06mm	□ 53 - 59	(98 - 99%)
EXTRACTION: HNO3	○ 37 - 53	(95 - 98%)
ANALYSIS: ICP-AES	○ 20 - 37	(75 - 95%)
	○ 13 - 20	(50 - 75%)
	+ 8 - 13	(25 - 50%)
	· 1 - 8	(0 - 25%)
		ppmCo
		NGU

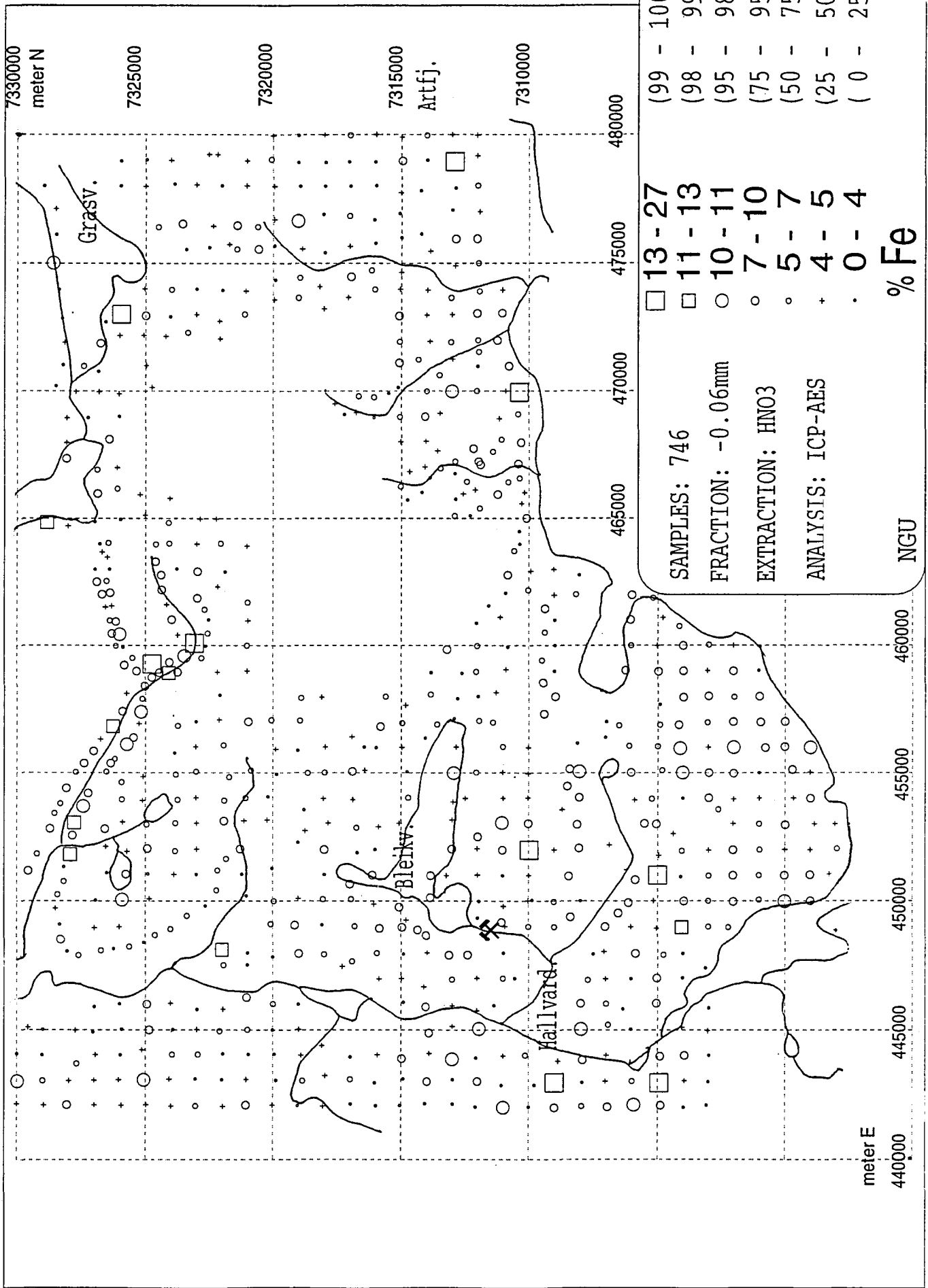
BLEIKVASSLI REGIONAL SOIL 1993



SAMPLES: 746	□	126 - 173	(99 - 100%)
FRACTION: -0.06mm	□	117 - 126	(98 - 99%)
EXTRACTION: HNO3	○	96 - 117	(95 - 98%)
ANALYSIS: ICP-AES	○	61 - 96	(75 - 95%)
	○	45 - 61	(50 - 75%)
	+	34 - 45	(25 - 50%)
	.	1 - 34	(0 - 25%)

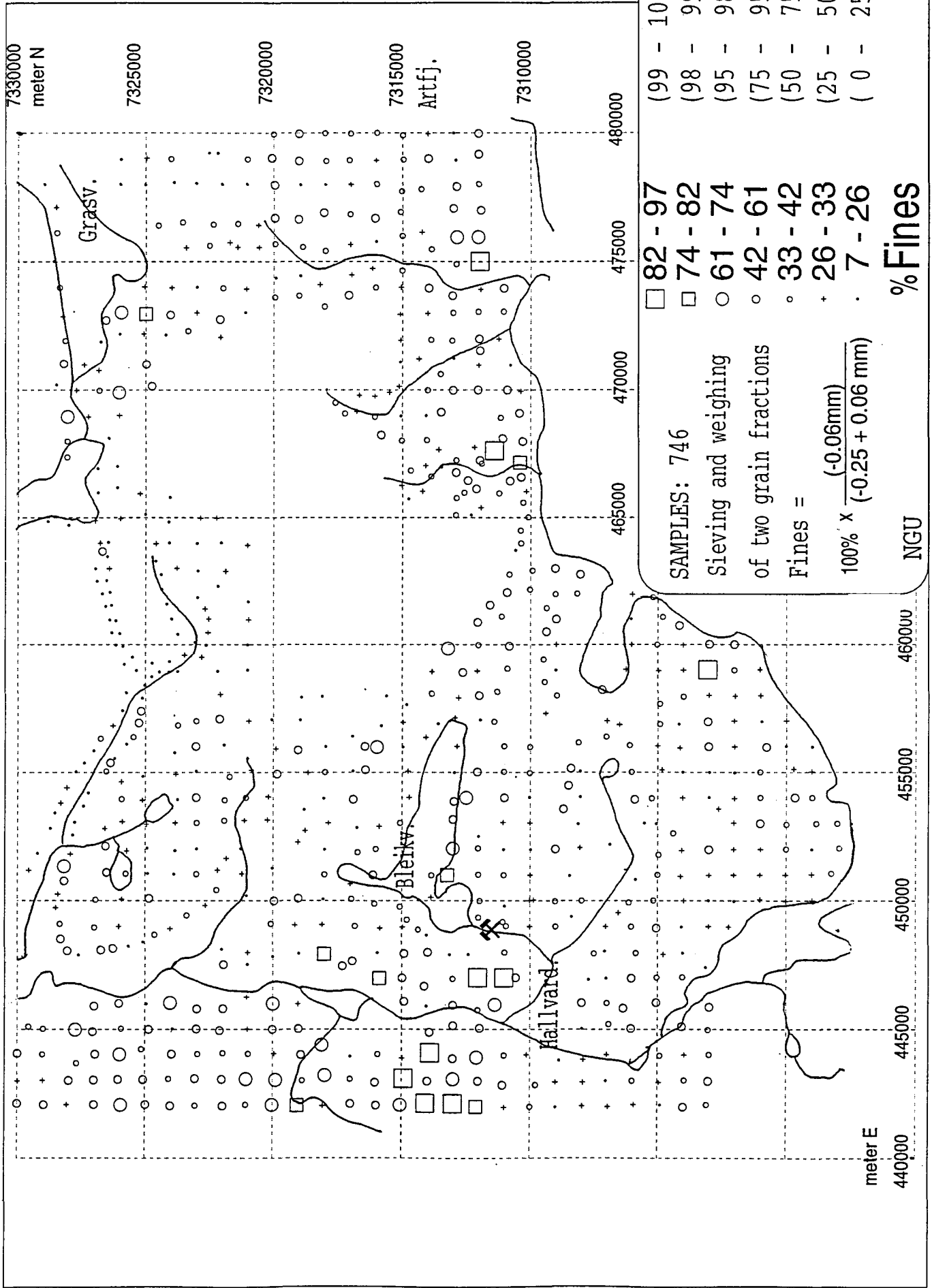
NGU ppmCr

BLEIKVASSLI REGIONAL SOIL 1993

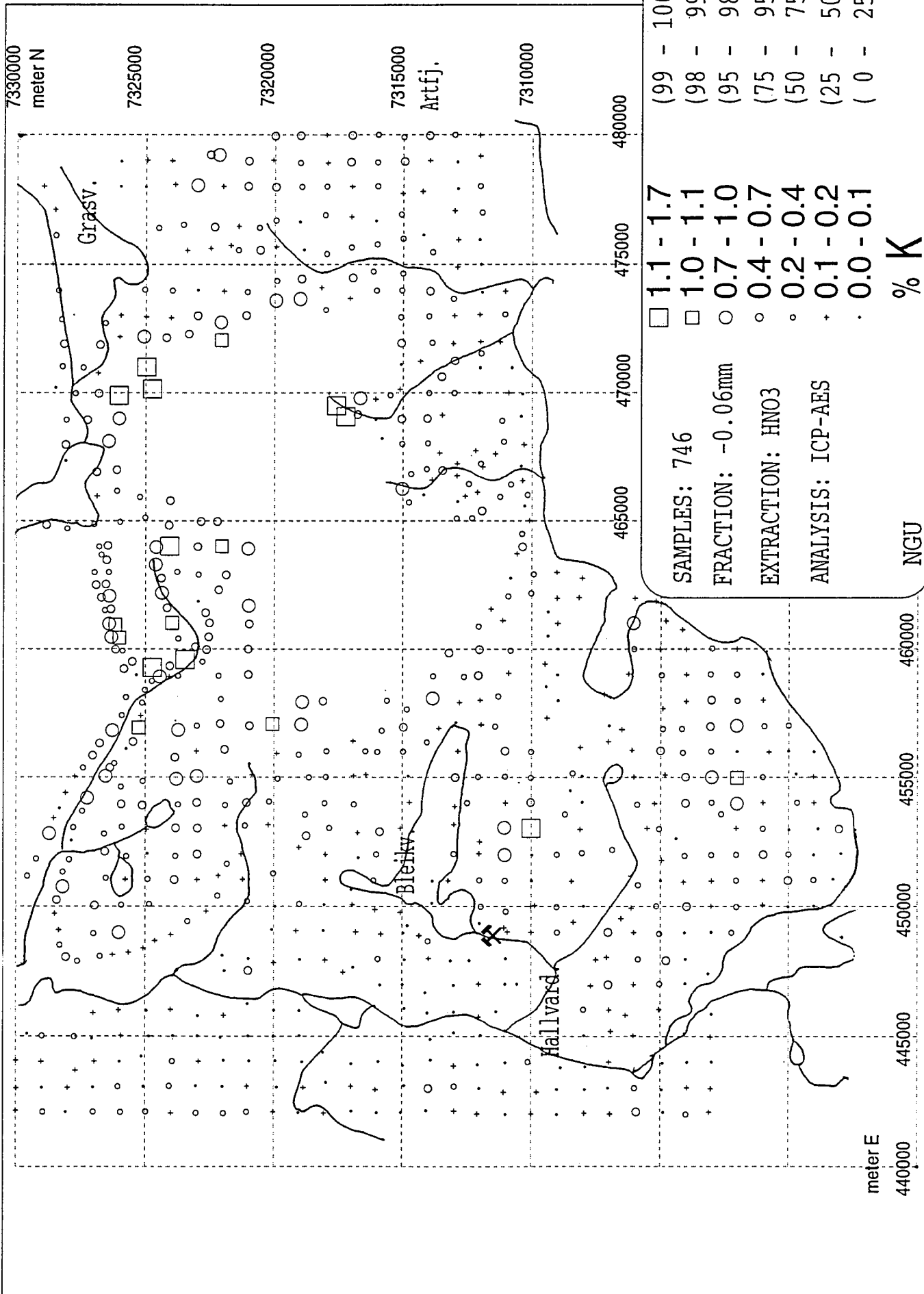


SAMPLES: 746	□ 13 - 27	(99 - 100%)
FRACTION: -0.06mm	□ 11 - 13	(98 - 99%)
EXTRACTION: HNO3	○ 10 - 11	(95 - 98%)
ANALYSTS: ICP-AES	○ 7 - 10	(75 - 95%)
	○ 5 - 7	(50 - 75%)
	+ 4 - 5	(25 - 50%)
	· 0 - 4	(0 - 25%)
		% Fe
		NGU

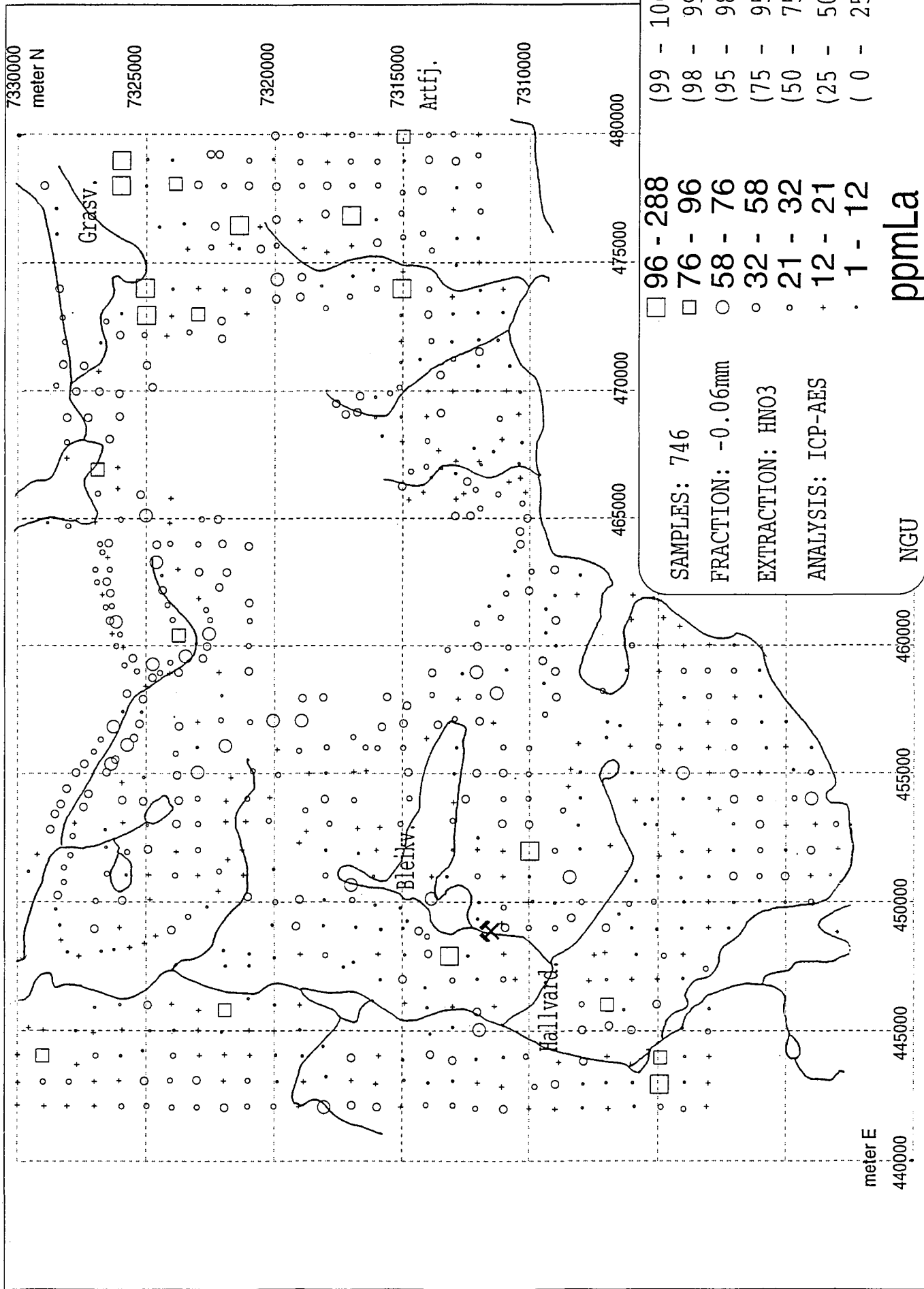
BLEIKVASSLI REGIONAL SOIL 1993



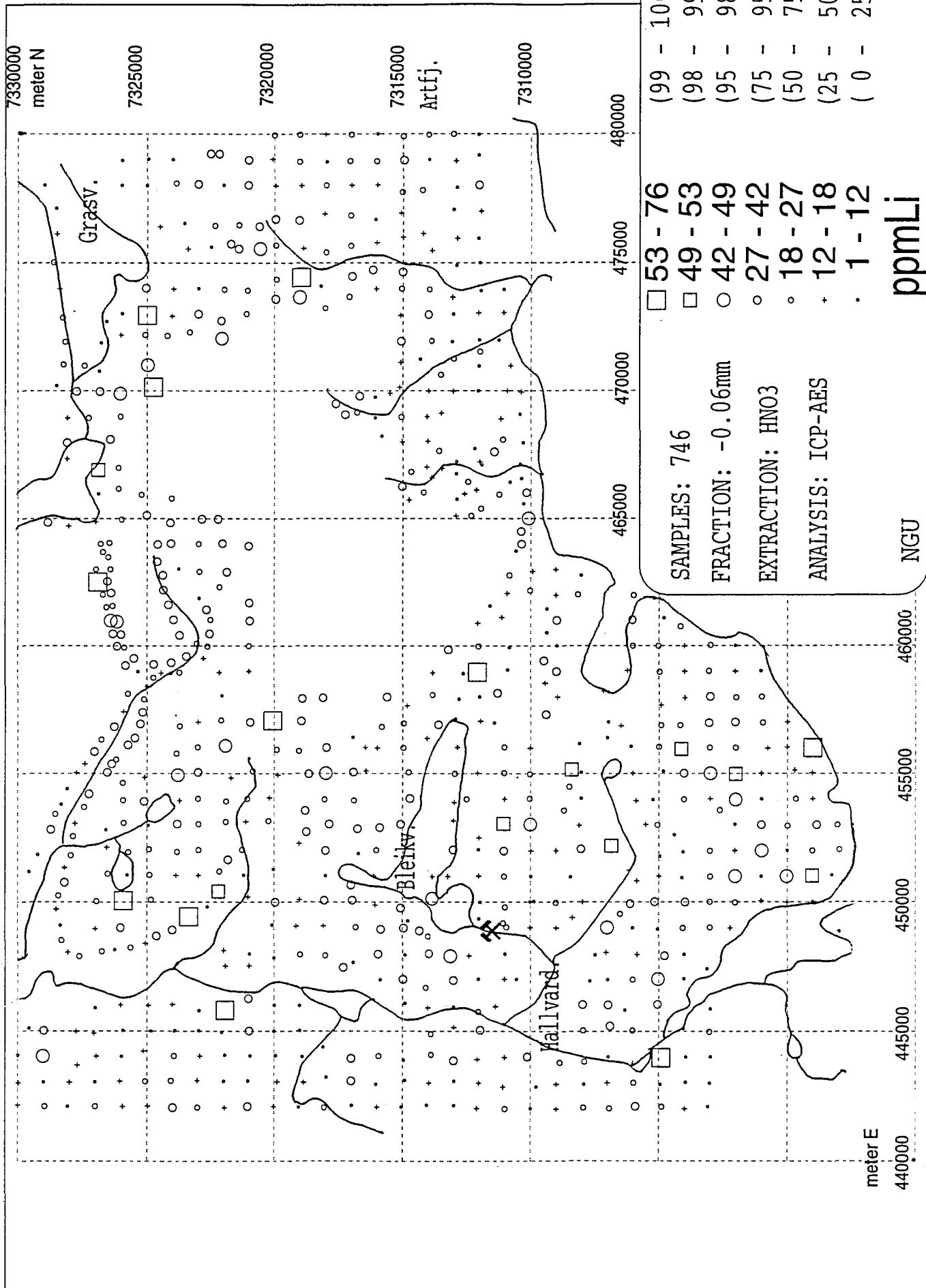
BLEIKVASSLI REGIONAL SOIL 1993



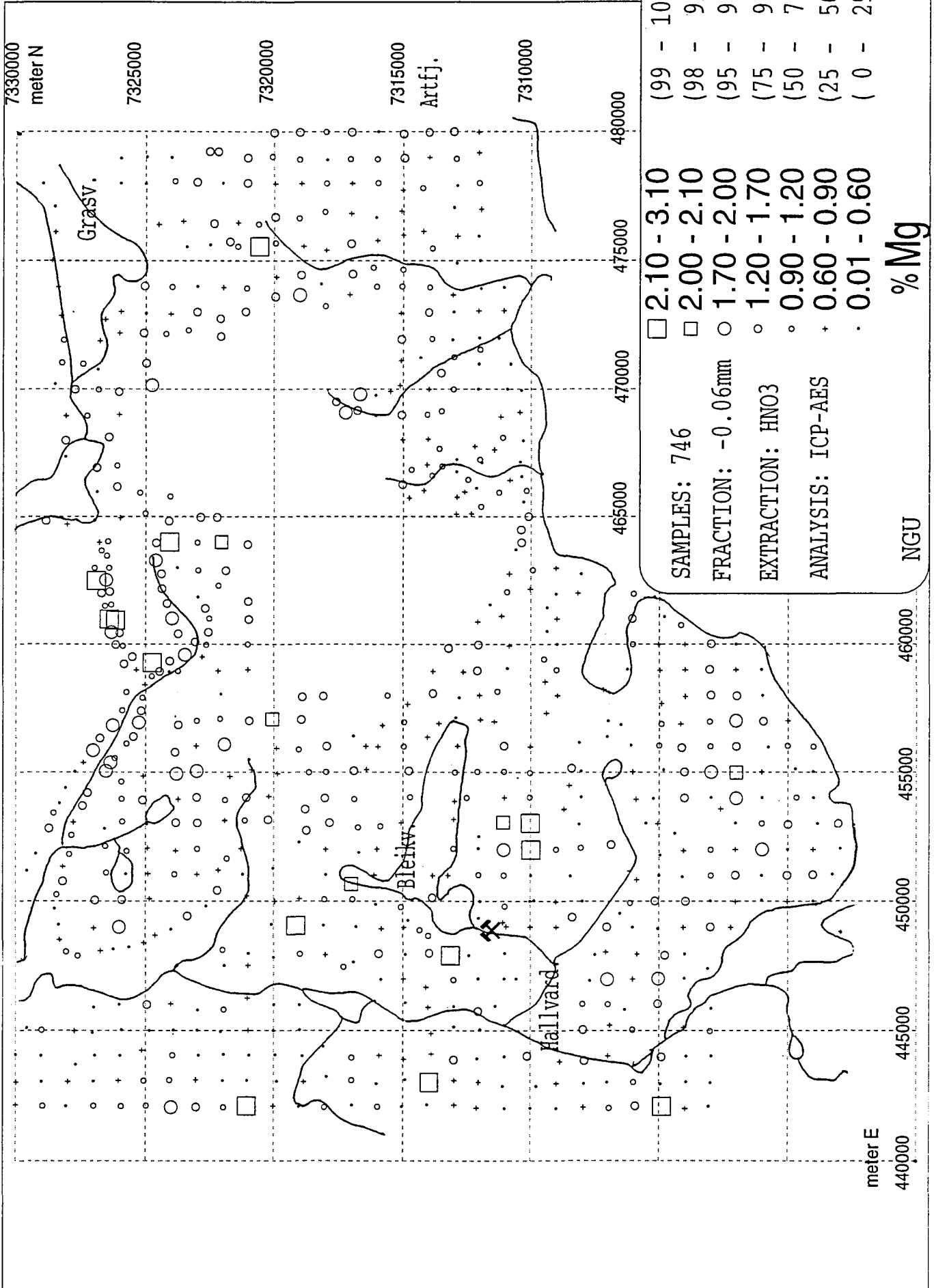
BLEIKVASSLI REGIONAL SOIL 1993



BLEIKVASSLI REGIONAL SOIL 1993

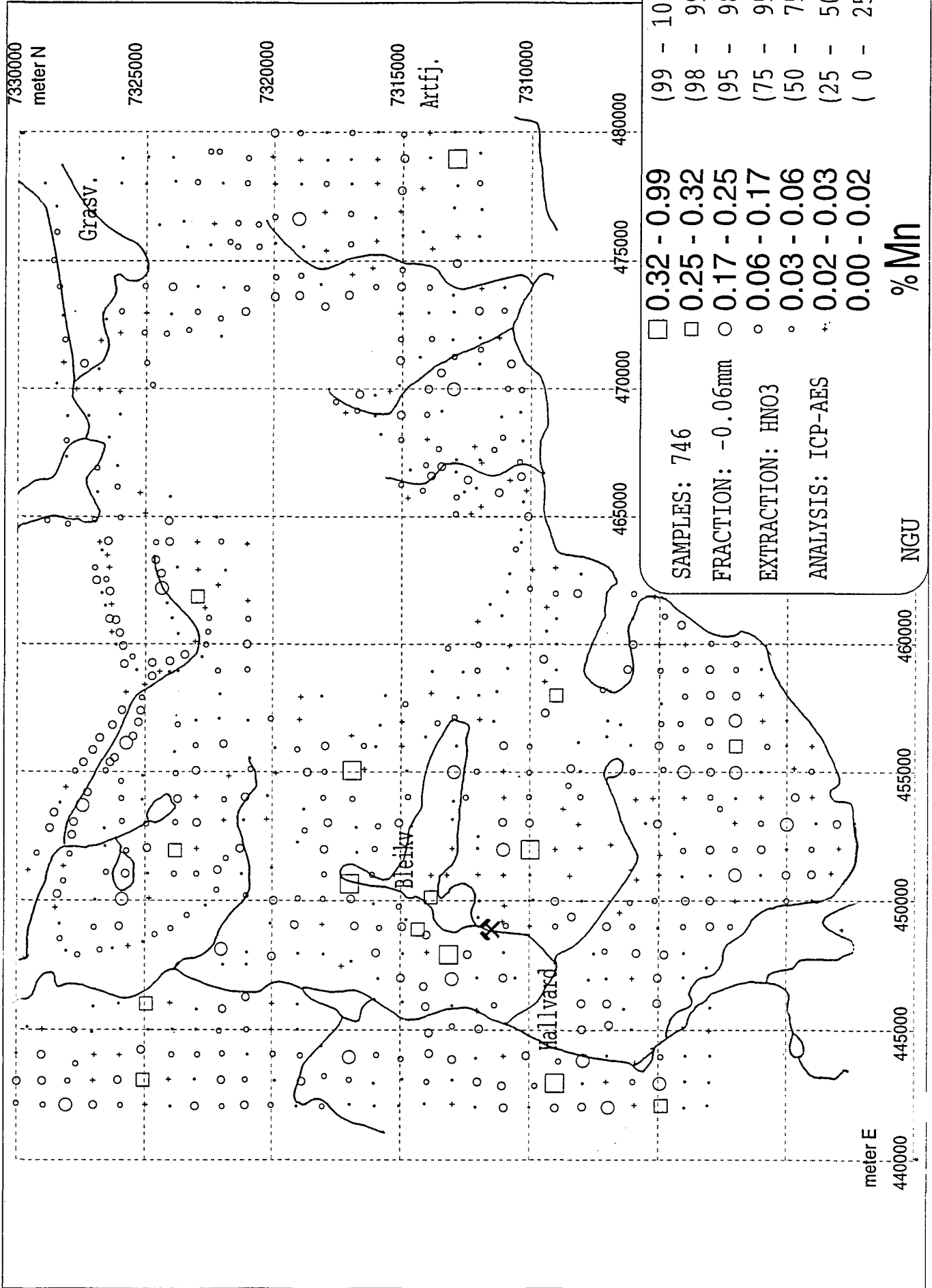


BLEIKVASSLI REGIONAL SOIL 1993

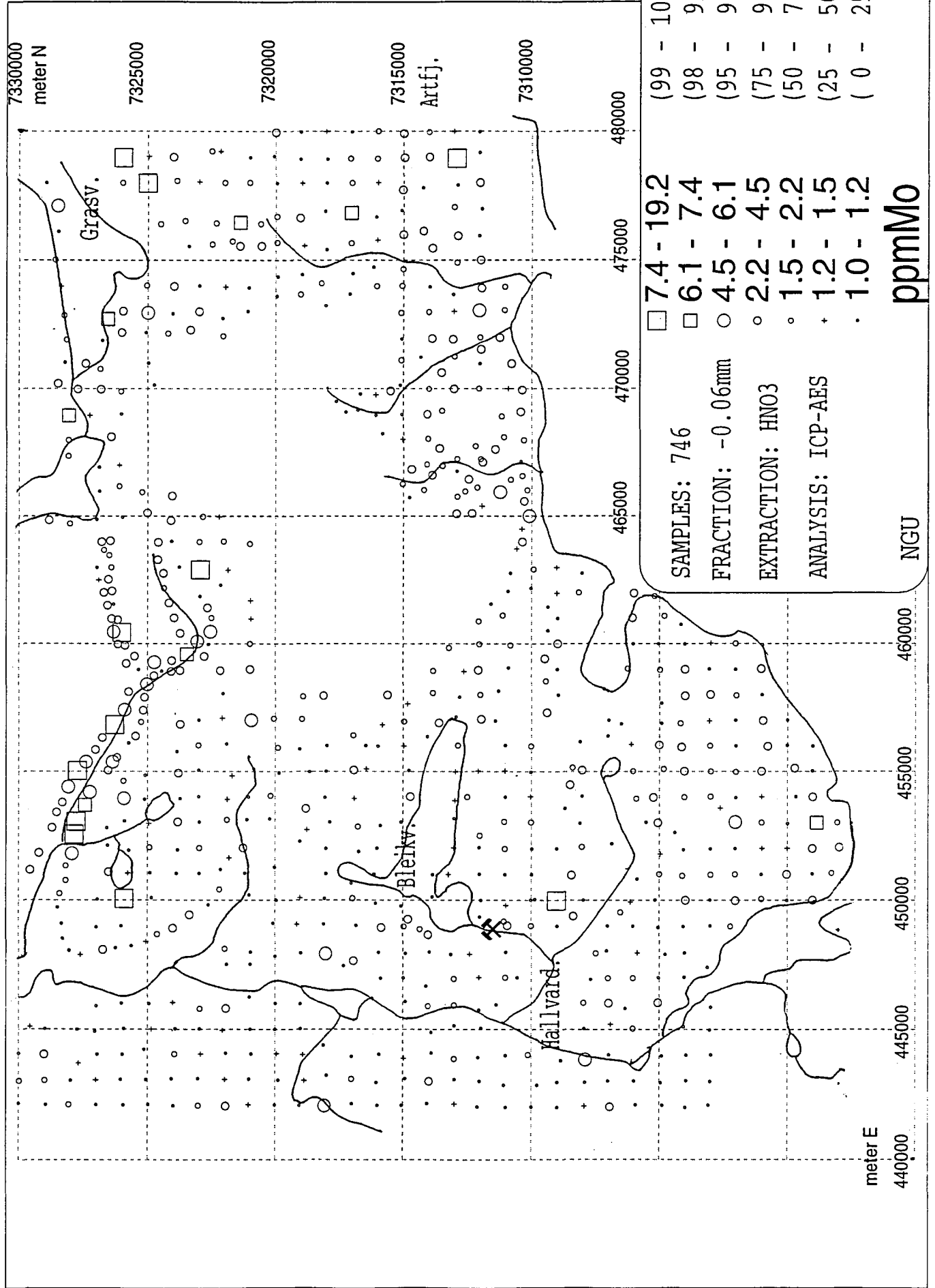


SAMPLES: 746	□ 2.10 - 3.10	(99 - 100%)
FRACTION: -0.06mm	□ 2.00 - 2.10	(98 - 99%)
EXTRACTION: HNO3	○ 1.70 - 2.00	(95 - 98%)
ANALYSIS: ICP-AES	○ 1.20 - 1.70	(75 - 95%)
	○ 0.90 - 1.20	(50 - 75%)
	○ 0.60 - 0.90	(25 - 50%)
	○ 0.01 - 0.60	(0 - 25%)
		%Mg
		NGU

BLEIKVASSLI REGIONAL SOIL 1993



BLEIKVASSLI REGIONAL SOIL 1993

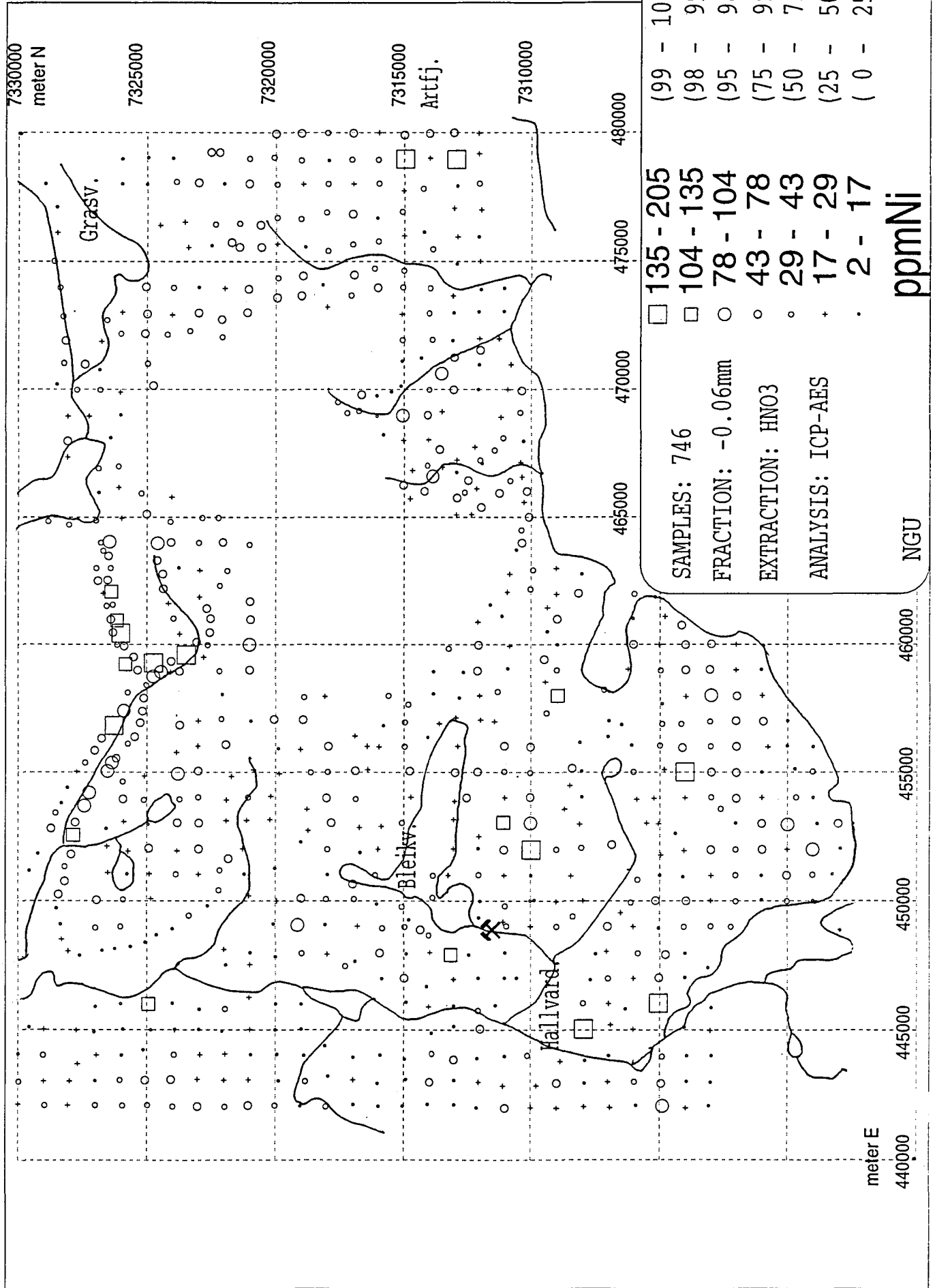


SAMPLES: 746	□	7.4 - 19.2	(99 - 100%)
FRACTION: -0.06mm	□	6.1 - 7.4	(98 - 99%)
EXTRACTION: HNO3	○	4.5 - 6.1	(95 - 98%)
ANALYSIS: ICP-AES	+	2.2 - 4.5	(75 - 95%)
	○	1.5 - 2.2	(50 - 75%)
	+	1.2 - 1.5	(25 - 50%)
	·	1.0 - 1.2	(0 - 25%)

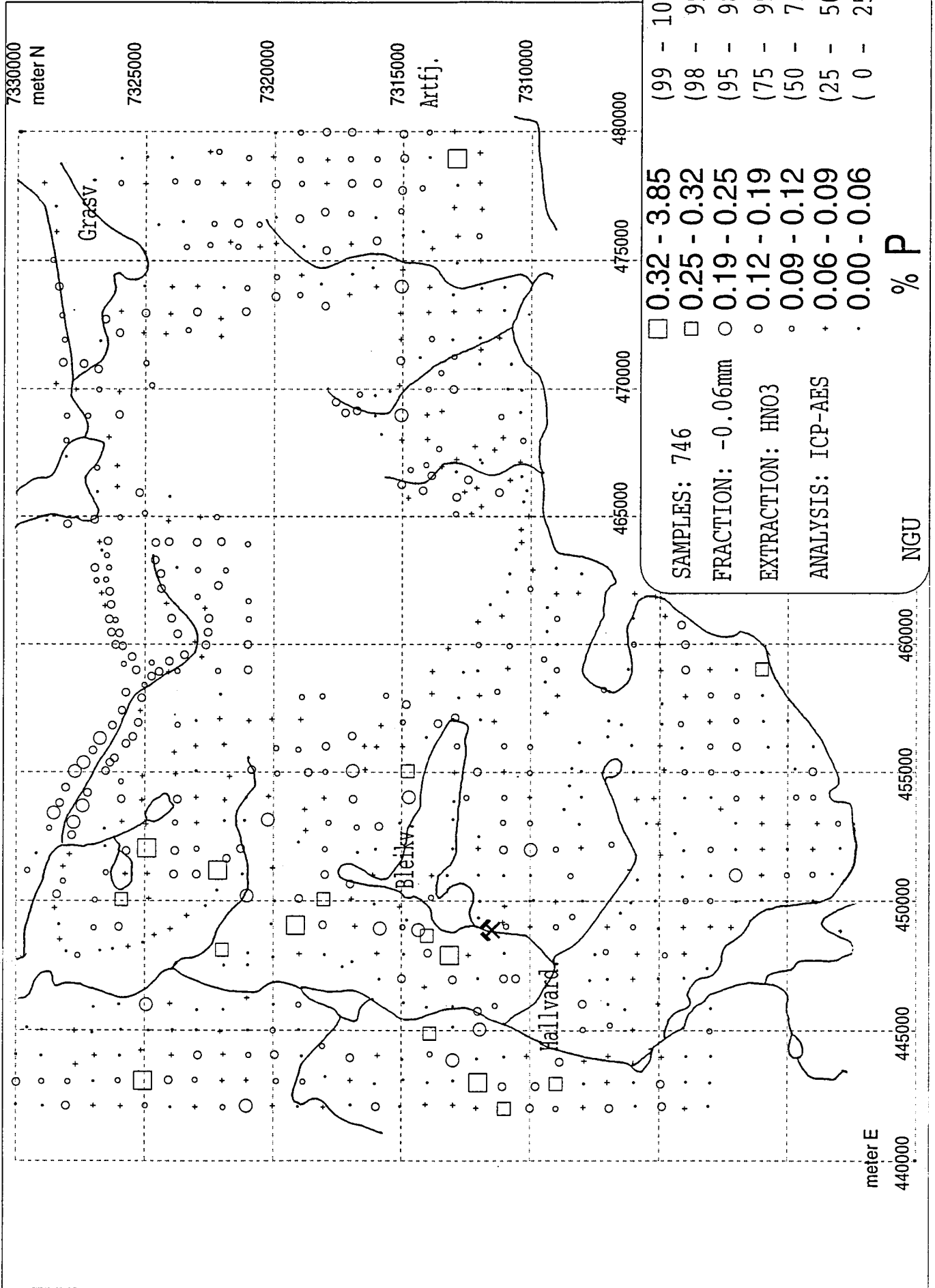
ppmMo

NGU

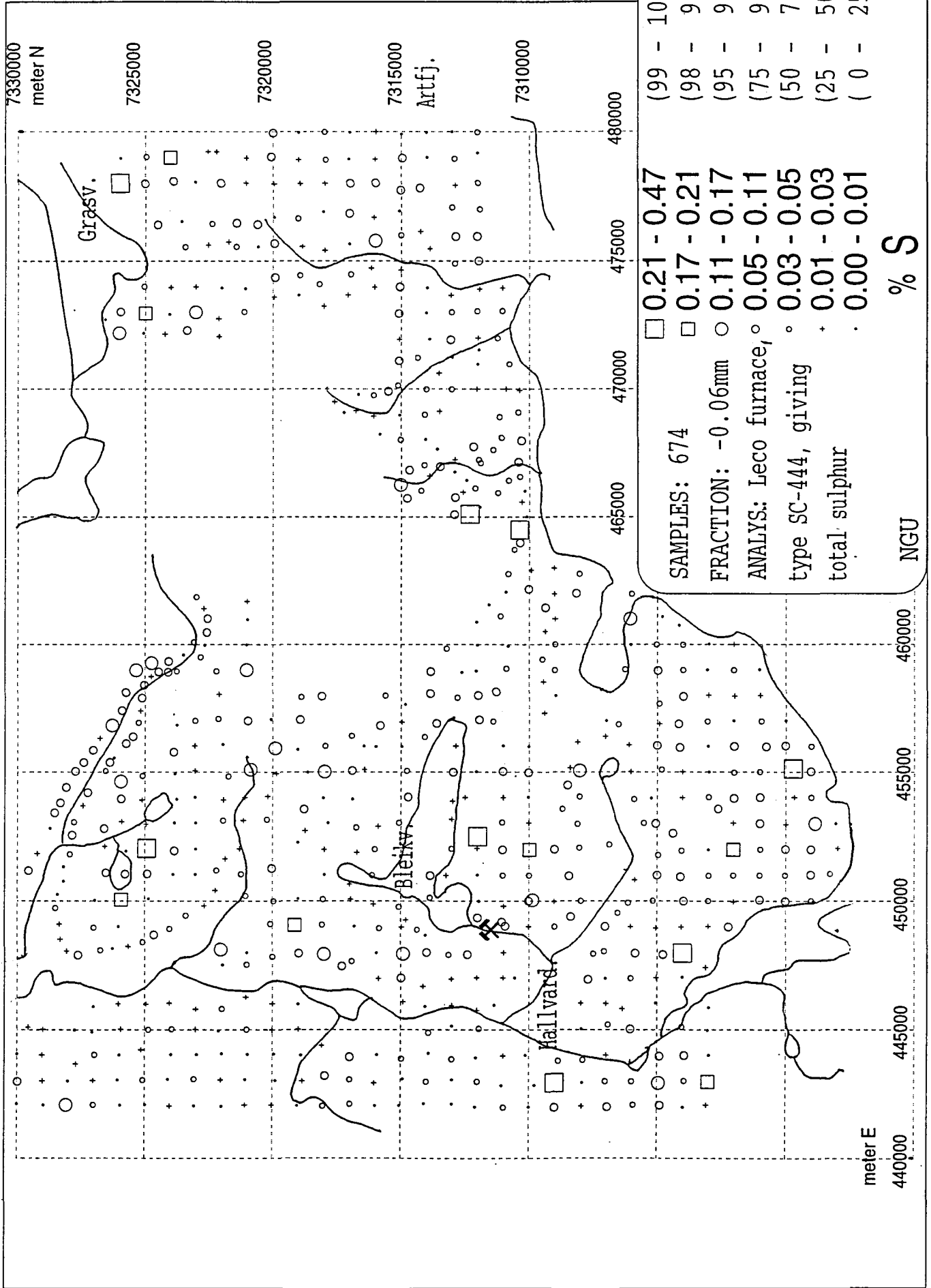
BLEIKVASSLI REGIONAL SOIL 1993



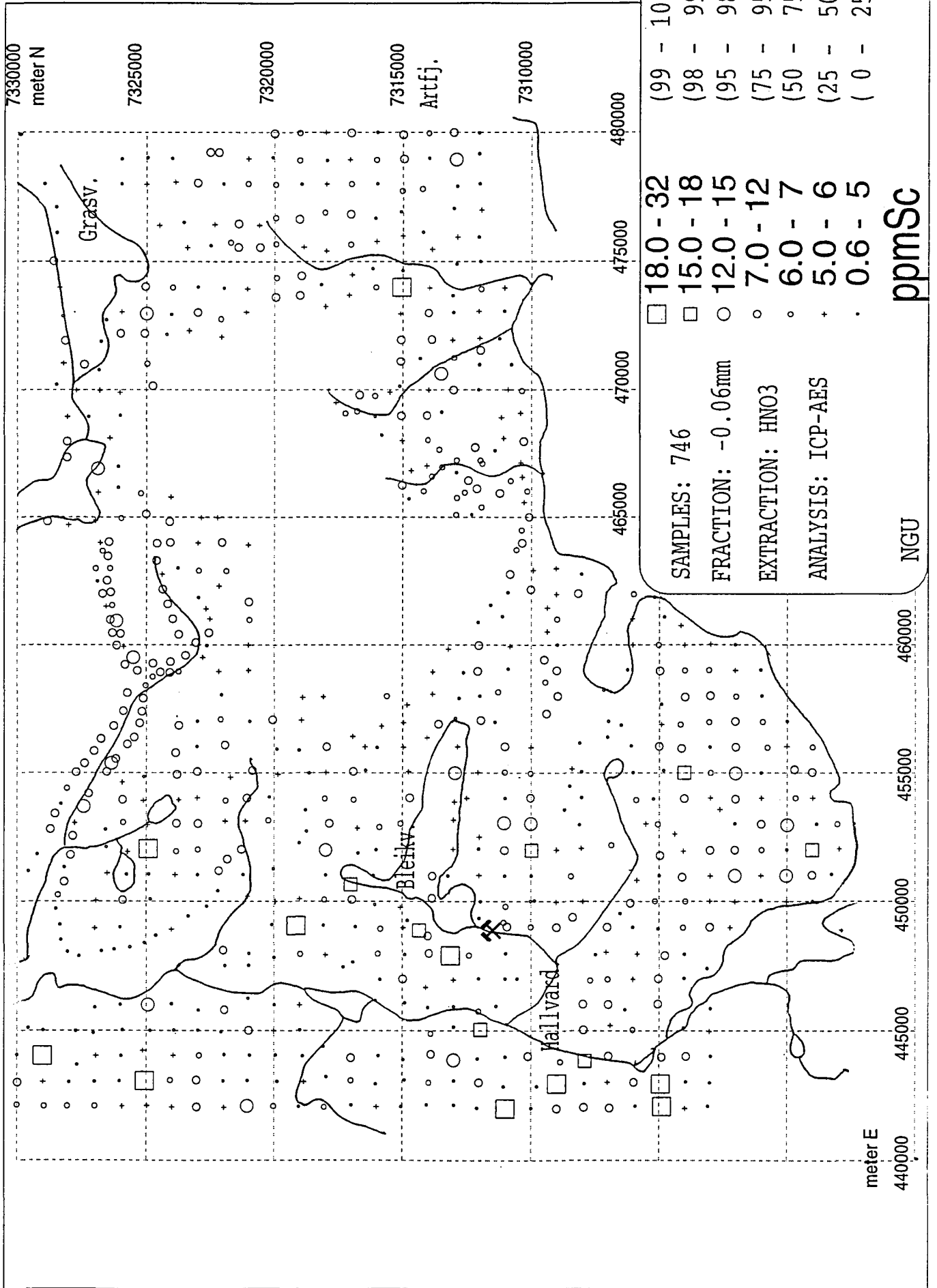
BLEIKVASSLI REGIONAL SOIL 1993



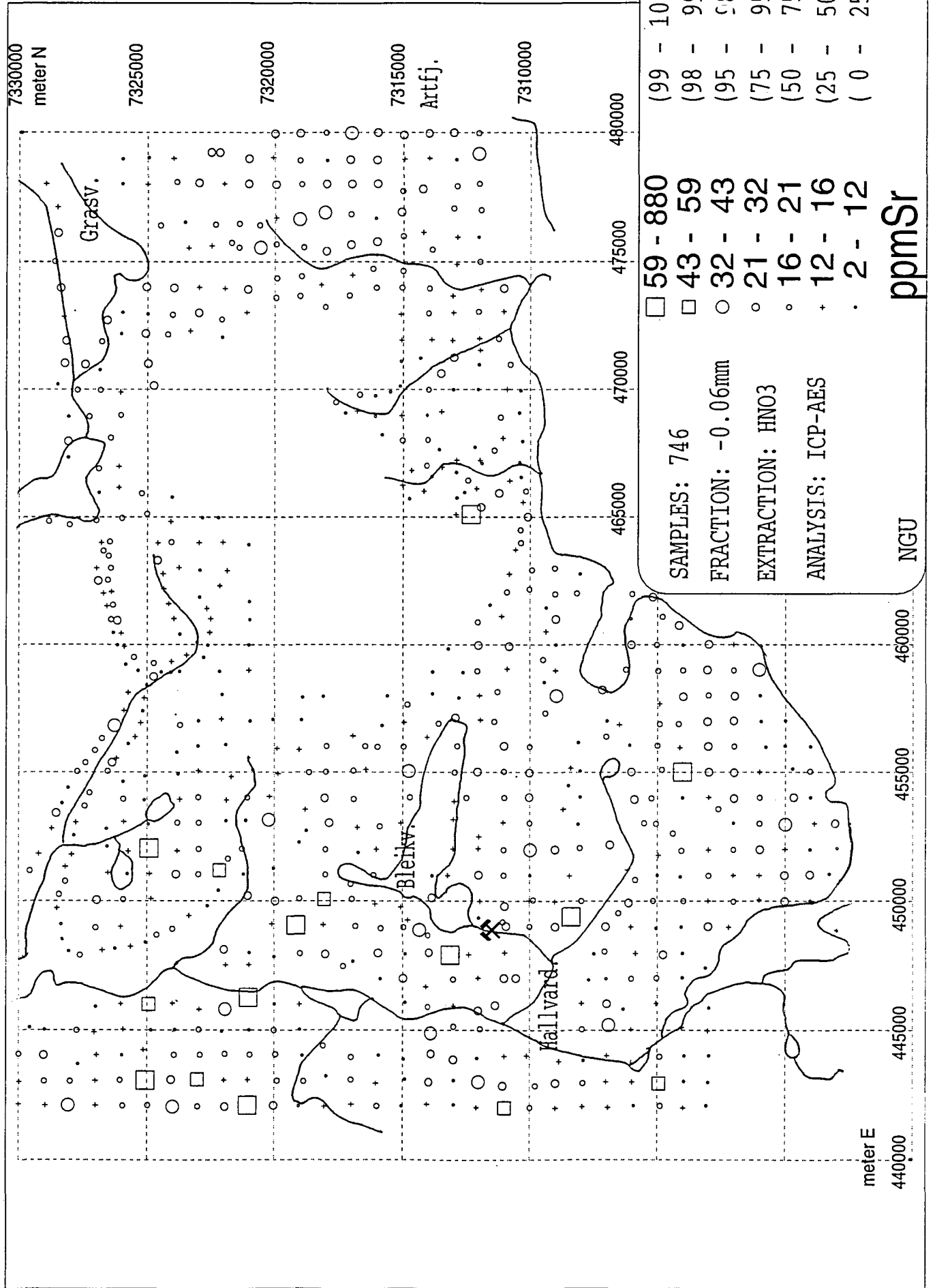
BLEIKVASSLI REGIONAL SOIL 1993



BLEIKVASSLI REGIONAL SOIL 1993



BLEIKVASSLI REGIONAL SOIL 1993



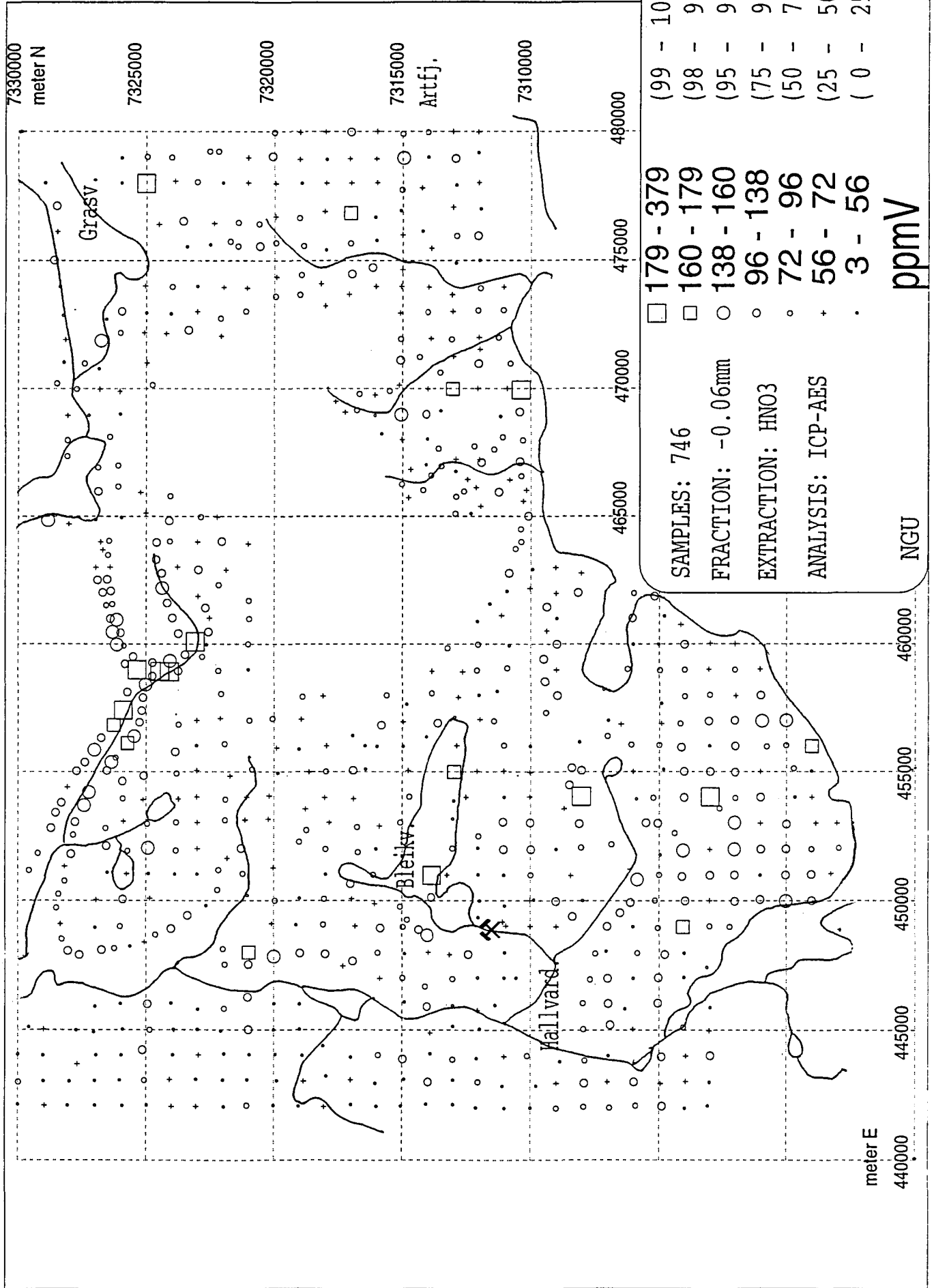
□	59 - 880	(99 - 100%)
□	43 - 59	(98 - 99%)
○	32 - 43	(95 - 98%)
◦	21 - 32	(75 - 95%)
◦	16 - 21	(50 - 75%)
+	12 - 16	(25 - 50%)
·	2 - 12	(0 - 25%)

ppmSr

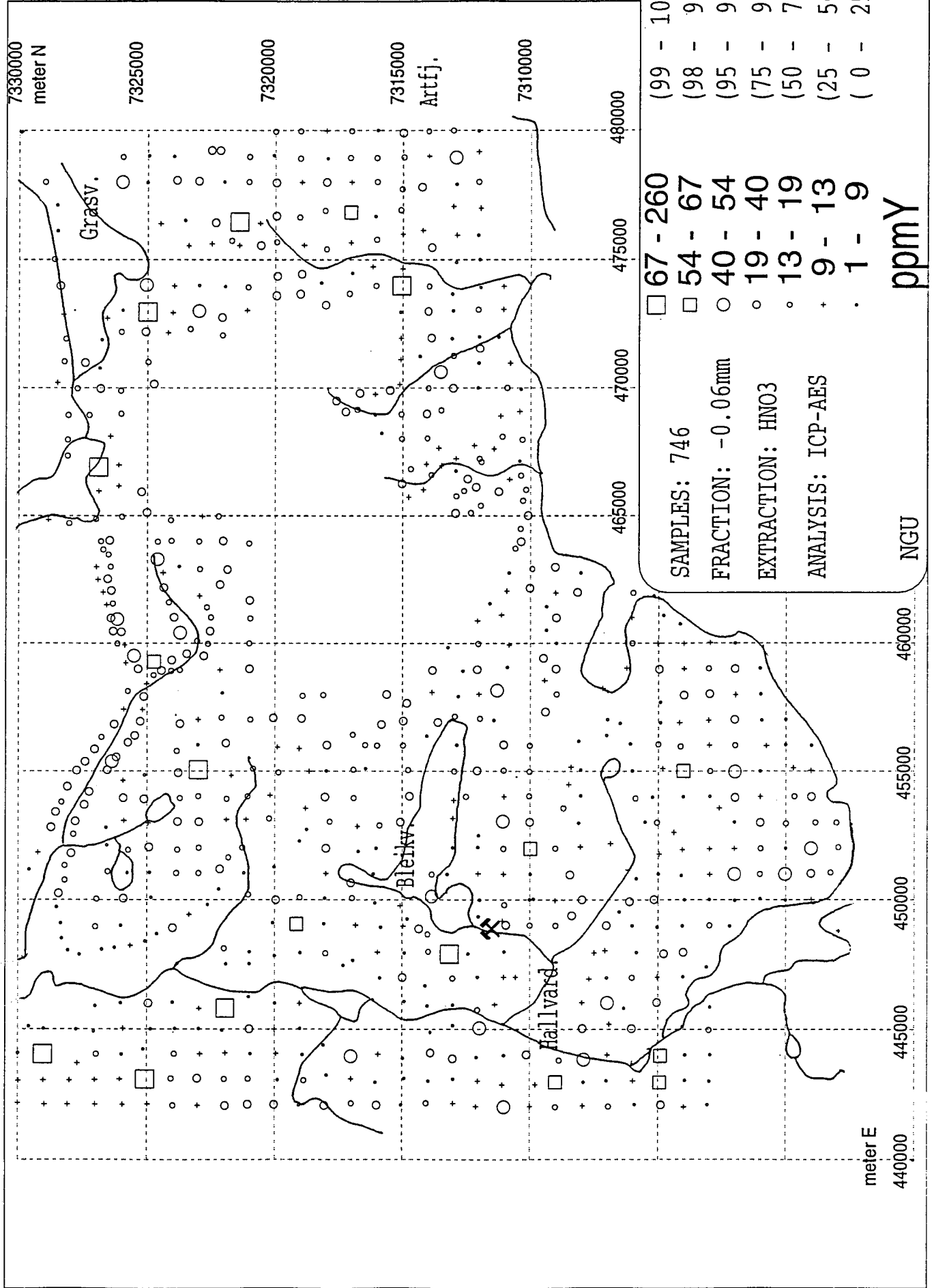
NGU

SAMPLES: 746
FRACTION: -0.06mm
EXTRACTION: HNO3
ANALYSIS: ICP-AES

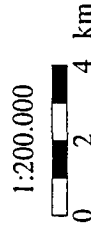
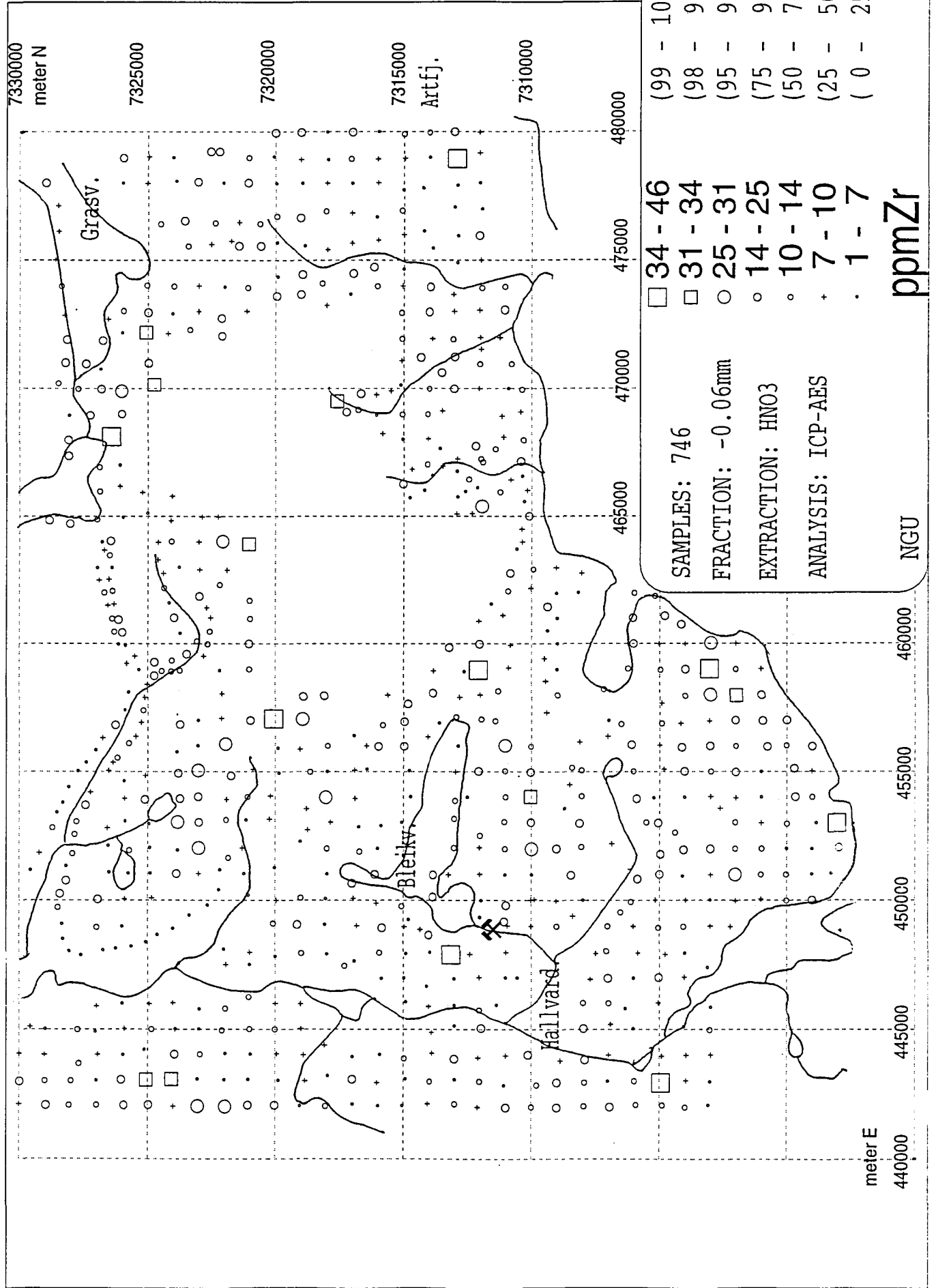
BLEIKVASSLI REGIONAL SOIL 1993



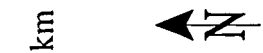
BLEIKVASSLI REGIONAL SOIL 1993



BLEIKVASSLI REGIONAL SOIL 1993



SAMPLES: 746	□ 34 - 46	(99 - 100%)
FRACTION: -0.06mm	□ 31 - 34	(98 - 99%)
EXTRACTION: HNO3	○ 25 - 31	(95 - 98%)
ANALYSIS: ICP-AES	○ 14 - 25	(75 - 95%)
	○ 10 - 14	(50 - 75%)
	+ 7 - 10	(25 - 50%)
	· 1 - 7	(0 - 25%)
		ppmZr
		NGU



BLEIKVASSLI OREBODY DETAILED SOIL SAMPLING

SYMBOLS AS USED ON REGIONAL MAPS

ppmPb	ppmZn	ppmCu	ppmBa	ppmBe	%Ca
ppmCe	ppmCo	%Fe	%K	ppmLa	%P
ppmLi	%Mg	ppmMn	ppmMo	ppmNi	ppmY
ppmSc	ppmSr	ppbAu	ppmV	ppmZr	ppmY

4 km



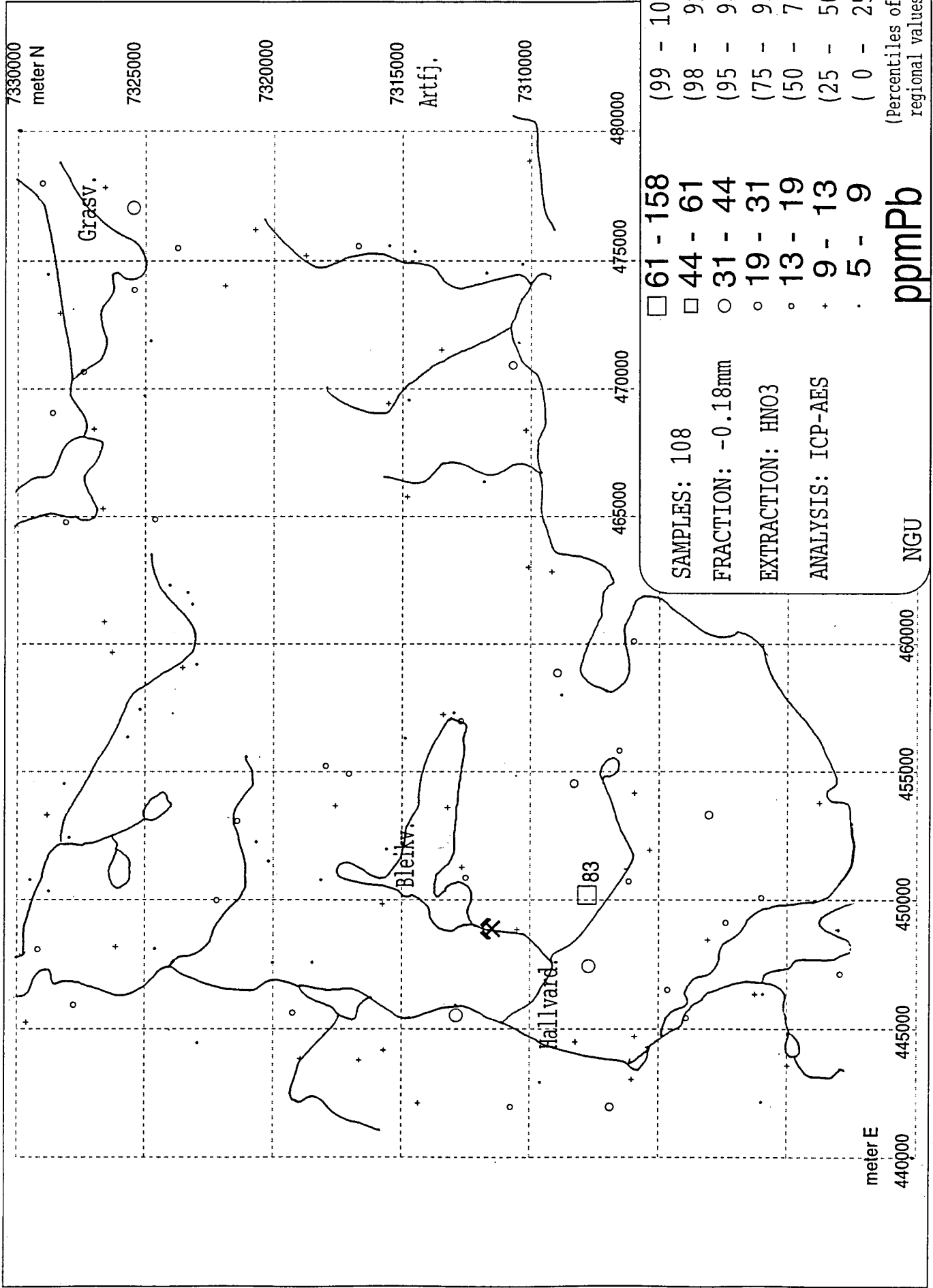
SYMBOLS AS USED ON REGIONAL MAPS

GRASVATNET DETAILED SOIL SAMPLING

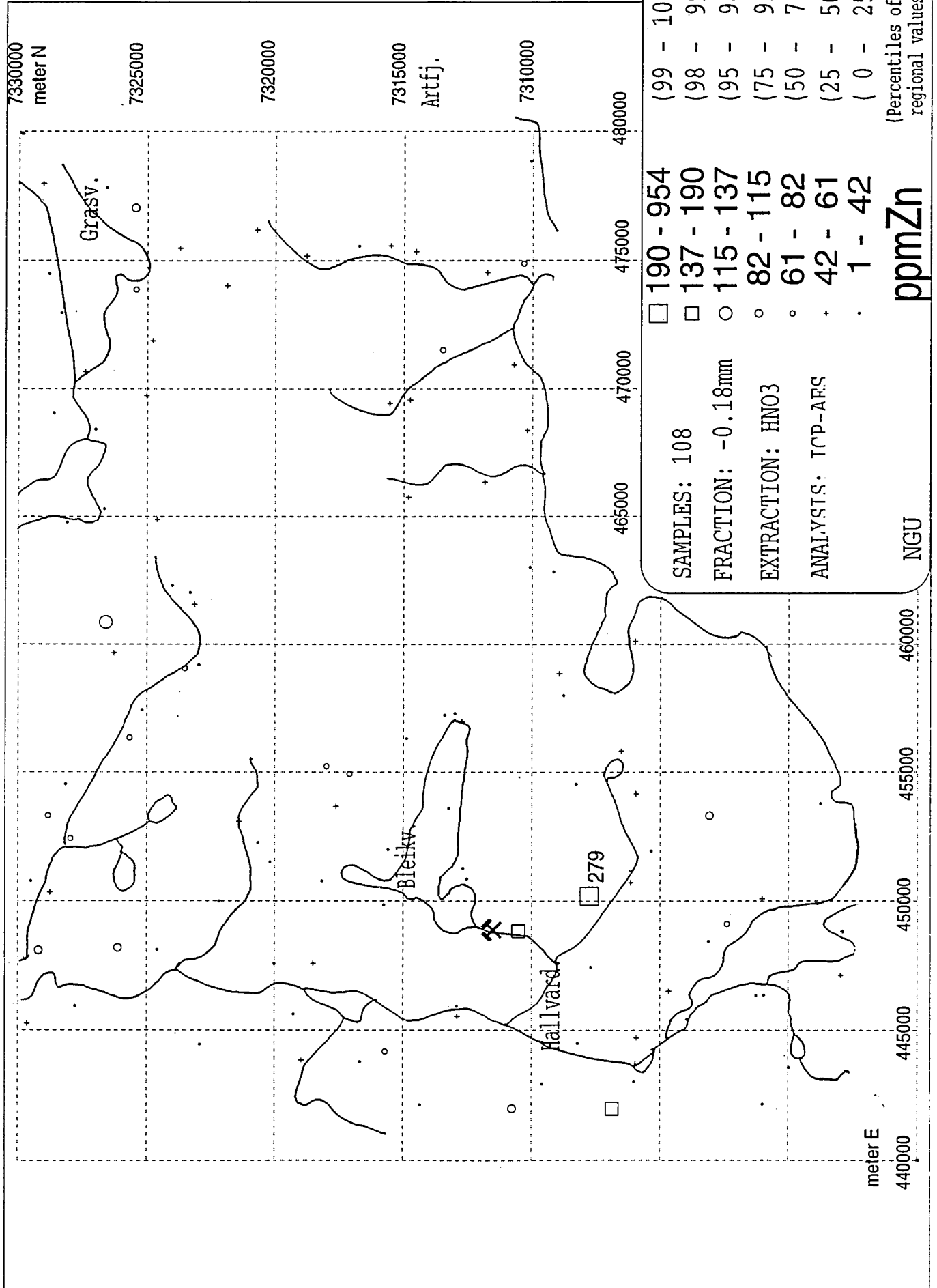
<p>Grasv.</p> <p>ppmPb</p>	<p>Grasv.</p> <p>ppmZn</p>	<p>Grasv.</p> <p>ppmCu</p>	<p>Grasv.</p> <p>ppmBa</p>	<p>Grasv.</p> <p>ppmBe</p>	<p>Grasv.</p> <p>%Ca</p>
<p>Grasv.</p> <p>ppmCe</p>	<p>Grasv.</p> <p>ppmCo</p>	<p>Grasv.</p> <p>ppmCr</p>	<p>Grasv.</p> <p>%Fe</p>	<p>Grasv.</p> <p>%K</p>	<p>Grasv.</p> <p>ppmLa</p>
<p>Grasv.</p> <p>ppmLi</p>	<p>Grasv.</p> <p>%Mg</p>	<p>Grasv.</p> <p>%Mn</p>	<p>Grasv.</p> <p>ppmMo</p>	<p>Grasv.</p> <p>ppmNi</p>	<p>Grasv.</p> <p>%P</p>
<p>Grasv.</p> <p>ppmSc</p>	<p>Grasv.</p> <p>ppmSr</p>	<p>Grasv.</p> <p>ppbAu</p>	<p>Grasv.</p> <p>ppmV</p>	<p>Grasv.</p> <p>ppmZr</p>	<p>Grasv.</p> <p>ppmY</p>



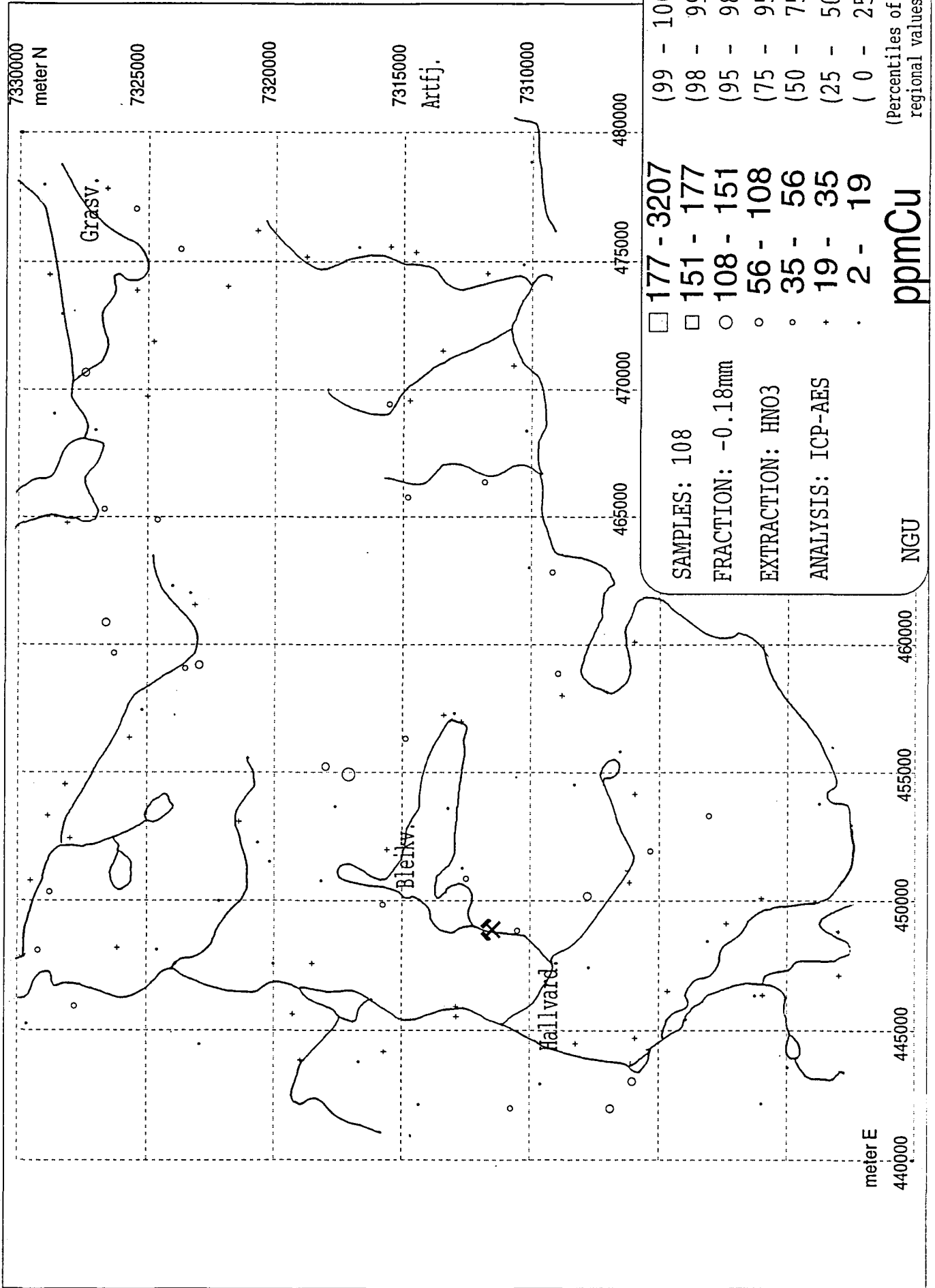
RANA SOIL 1985



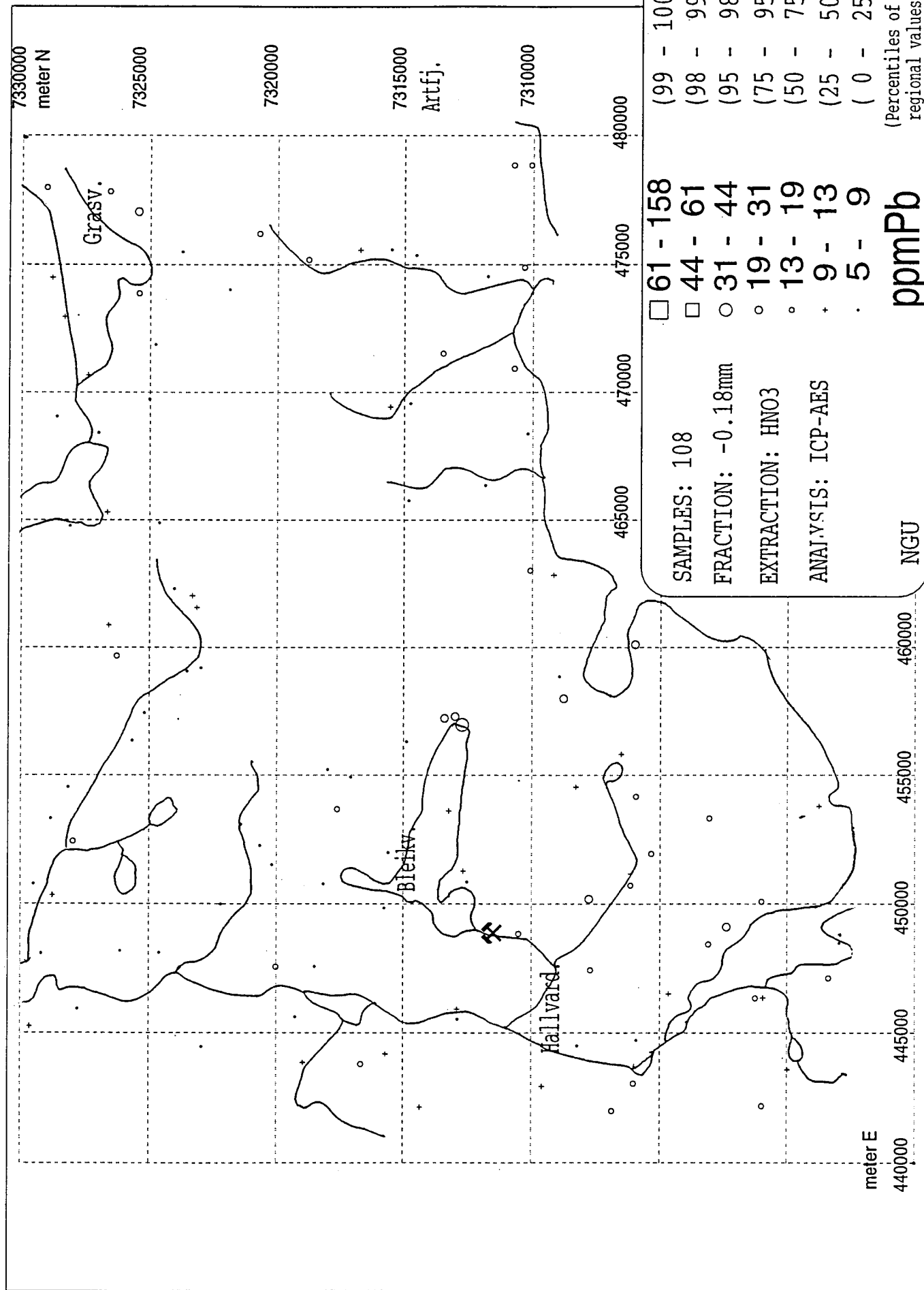
RANA SOIL 1985



RANA SOIL 1985



RANA STREAM SEDIMENTS 1985

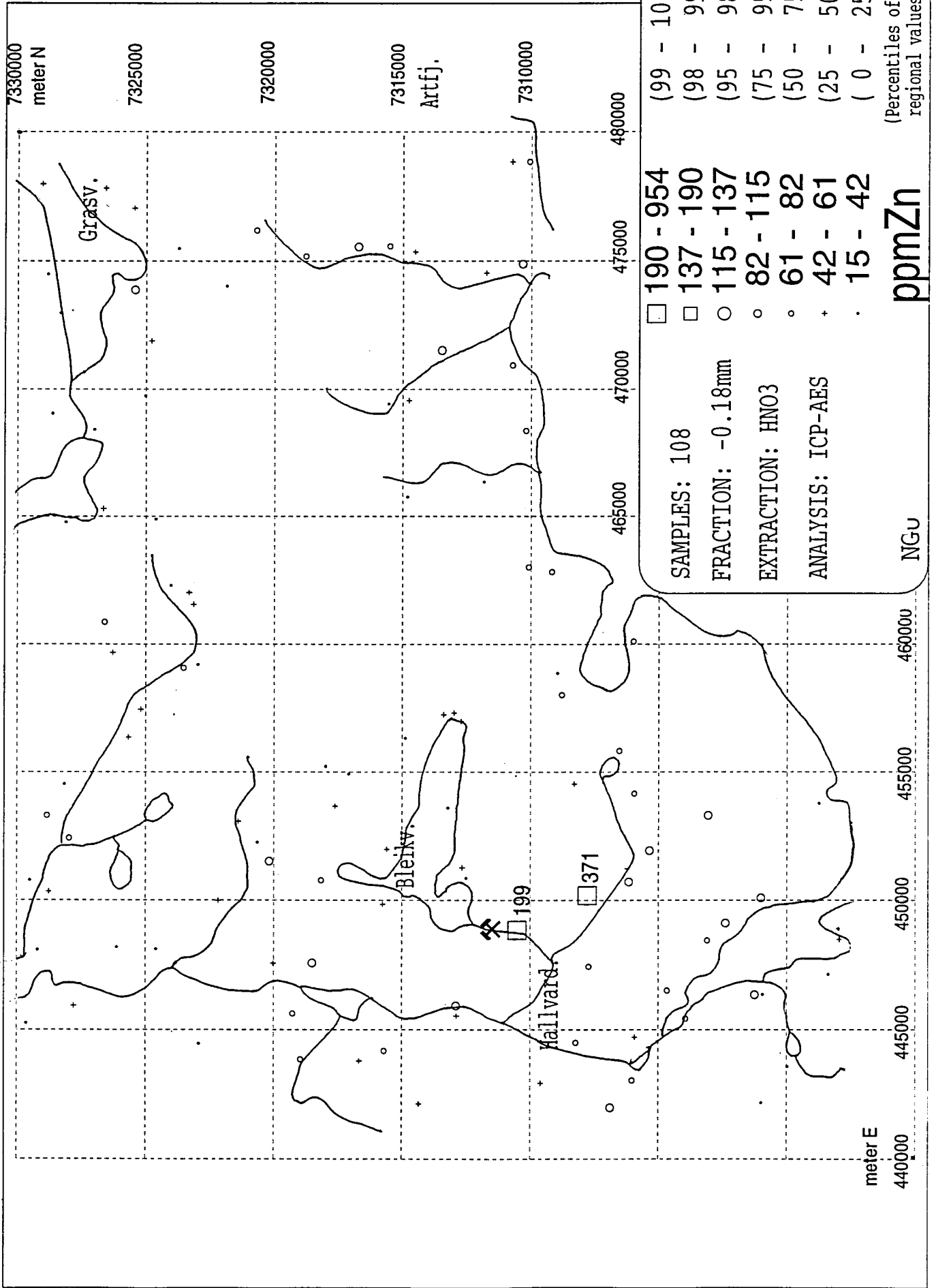


SAMPLES: 108	□	61 - 158	(99 - 100%)
FRACTION: -0.18mm	□	44 - 61	(98 - 99%)
EXTRACTION: HNO3	○	31 - 44	(95 - 98%)
ANALYSIS: ICP-AES	○	19 - 31	(75 - 95%)
	○	13 - 19	(50 - 75%)
	+	9 - 13	(25 - 50%)
	·	5 - 9	(0 - 25%)

ppmPb
(Percentiles of 1993 regional values)

NGU

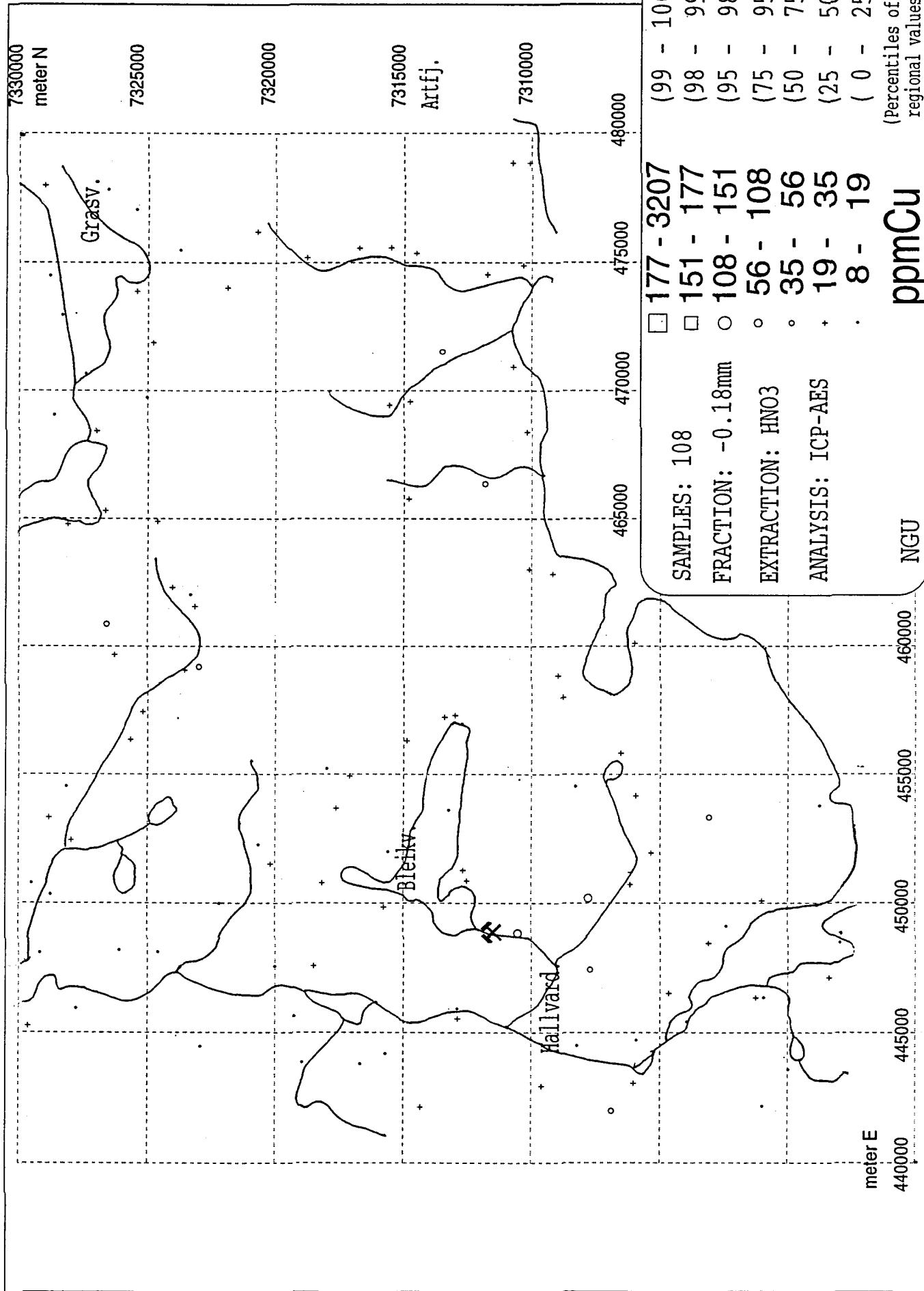
RANA STREAM SEDIMENTS 1985



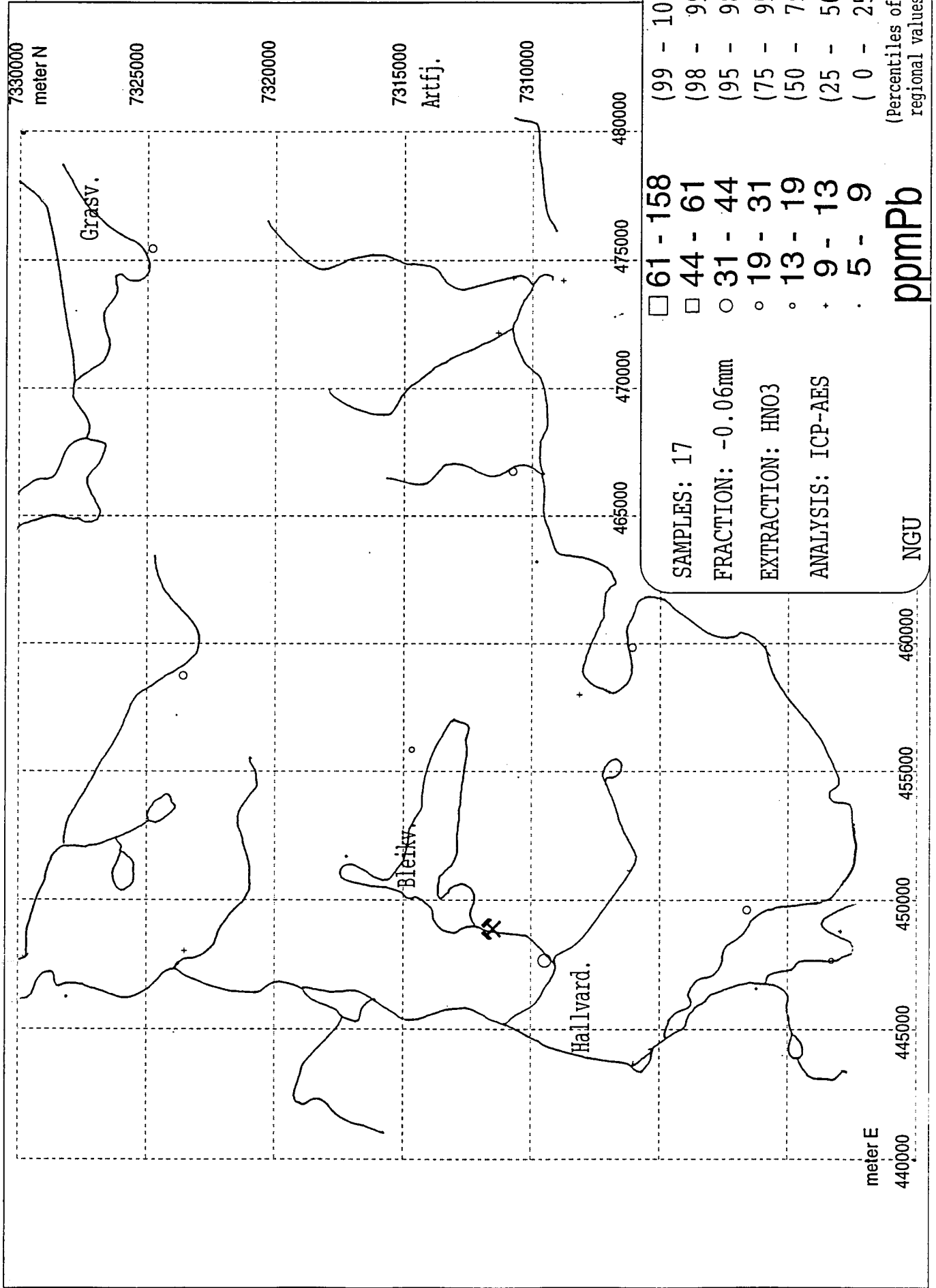
NGU

ppmZn

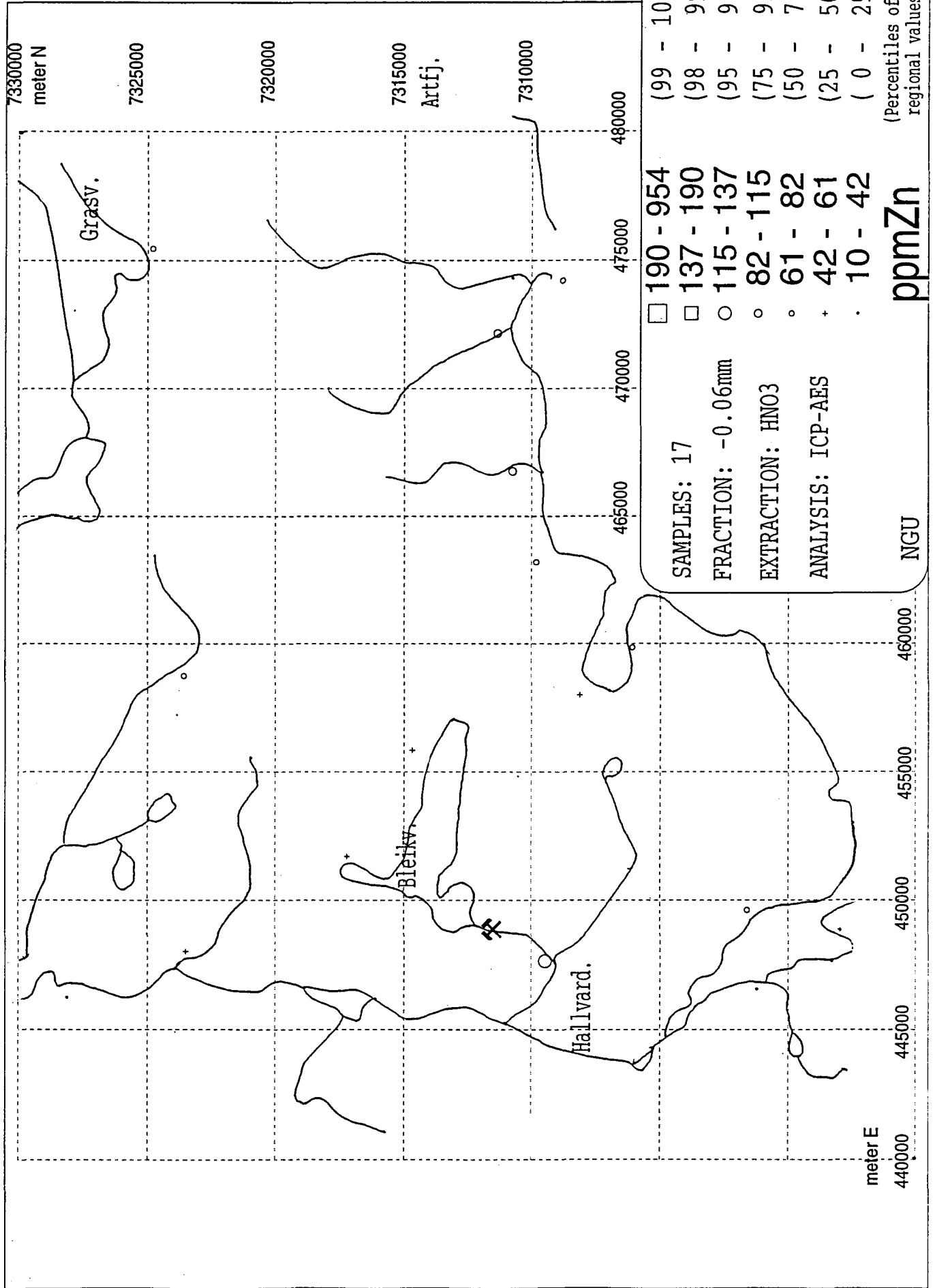
RANA STREAM SEDIMENTS 1985



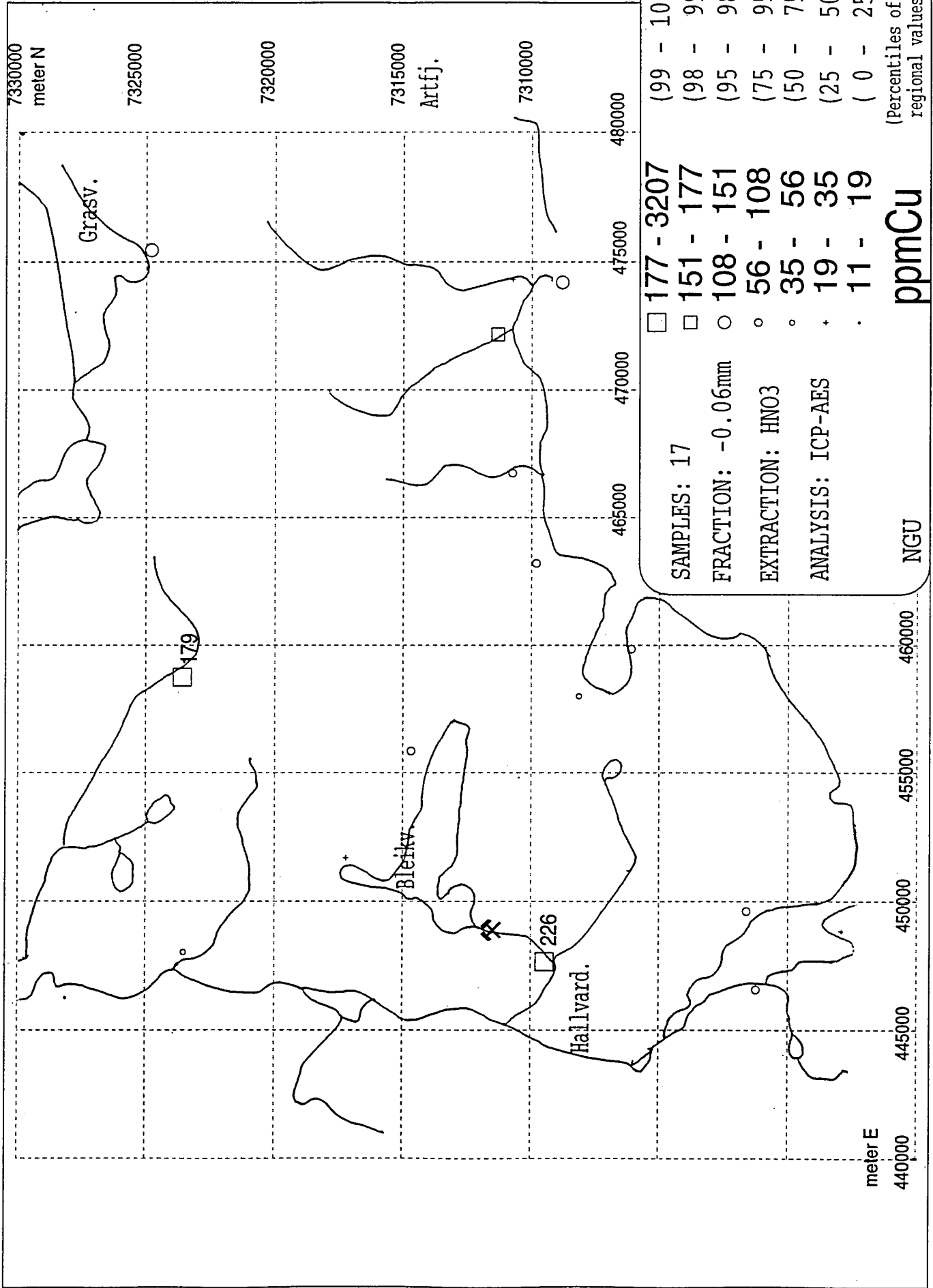
NORDLAND-TROMS SOIL 1986



NORDLAND-TROMS SOIL 1986



NORDLAND-TROMS SOIL 1986



SAMPLES: 17	□ 177 - 3207	(99 - 100%)
FRACTION: -0.06mm	□ 151 - 177	(98 - 99%)
EXTRACTION: HNO3	○ 108 - 151	(95 - 98%)
ANALYSIS: ICP-AES	○ 56 - 108	(75 - 95%)
	○ 35 - 56	(50 - 75%)
	+ 19 - 35	(25 - 50%)
	· 11 - 19	(0 - 25%)
		(Percentiles of 1993 regional values)

ppmCu

NGU

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines	K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Ti	V	Zr	Y
Unit	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm
Det.lim	(UTM zone 33)		5	2	1	1	1	1	0.01	5	1	0.2	0.01	0.01	1	10	1	0.01	1	0.01	1	1	0.01	0.2	1	0.02	2	0.01	0.01	0.2	0.01	2	0.01	1	1	0.2
358	441989	7309001	35	77	46	5	1	4.967	5	25	14	9.49	0.313	1	81	28	56	8.722	17	0.091	20	15	0.562	0.075	1	0.024	29	0.117	0.06	9	0.130	14	0.184	82	17	16
259	441992	7311001	23	78	45	2	1	3.876	5	23	15	4.89	0.798	1	163	57	36	11.111	32	0.061	47	22	0.462	0.136	1	0.026	49	0.253	0.03	23	0.089	54	0.145	50	22	47
10	441997	7303988	5	45	49	4	1	2.162	5	20	5	0.94	0.300	1	55	9	29	2.993	46	0.256	25	14	0.737	0.018	1	0.037	22	0.068	0.00	5	0.022	14	0.112	43	12	12
260	442010	7309998	9	39	21	1	1	1.362	5	27	6	1.29	0.519	1	38	8	22	2.945	40	0.112	17	11	0.589	0.019	1	0.030	20	0.134	0.01	4	0.010	21	0.089	34	14	11
207	442013	7312096	5	32	17	2	1	1.945	5	35	3	1.68	0.348	1	45	6	30	1.957	76	0.155	23	13	0.671	0.013	1	0.028	17	0.082	0.01	4	0.010	15	0.105	47	10	11
356	442013	7306948	35	68	41	1	1	3.499	5	36	16	5.19	0.360	1	114	27	62	9.166	31	0.181	19	23	1.081	0.205	4	0.031	29	0.131	0.05	10	0.028	15	0.236	91	17	19
591	442034	7321964	16	75	72	1	1	2.177	5	64	9	1.02	0.380	1	70	14	33	4.601	49	0.265	32	17	0.975	0.055	3	0.023	38	0.098	0.00	6	0.010	24	0.176	51	26	26
357	442041	7307948	16	56	39	5	1	2.273	5	24	11	1.62	0.231	1	72	20	43	4.464	27	0.120	9	18	0.637	0.092	1	0.026	23	0.092	0.02	8	0.022	13	0.163	73	12	12
702	442042	7324006	17	70	15	5	1	2.737	5	46	8	2.41	0.723	1	61	13	60	3.666	45	0.111	27	35	1.958	0.018	1	0.029	31	0.056	0.02	6	0.021	35	0.191	65	7	15
595	442044	7318046	18	52	82	4	1	3.329	5	39	9	5.12	0.281	1	103	14	45	4.590	30	0.192	68	22	1.010	0.035	5	0.025	30	0.084	0.03	7	0.039	14	0.176	58	11	32
701	442048	7323044	19	94	83	1	1	3.183	5	90	8	1.55	0.263	1	73	20	56	5.581	37	0.346	25	25	1.303	0.066	2	0.029	52	0.070	0.01	7	0.012	18	0.162	67	27	13
---	442060	7315993	11	38	20	5	1	1.567	5	59	4	0.86	0.493	1	56	7	25	1.981	57	0.097	38	15	0.906	0.018	1	0.030	14	0.149	0.01	5	0.013	19	0.101	37	3	22
442060	7319046	13	16	5	2	1	0.682	5	15	4	1.68	0.099	1	34	3	13	2.114	76	0.075	18	4	0.257	0.007	1	0.020	4	0.016	0.01	2	0.012	7	0.114	34	6	6	
442071	7315049	6	5	1	4	1	0.512	1	1	1.10	0.118	1	1	1	1	1	0.387	70	0.063	12	2	0.078	0.004	1	0.020	2	0.006	0.00	2	0.013	10	0.151	31	3	4	
442071	7304888	5	75	55	1	1	4.283	5	30	15	5.97	0.599	1	10	71	117	9.629	23	0.010	24	21	2.397	0.291	1	0.020	85	0.124	0.05	23	0.010	20	0.155	102	11	33	
442079	7325948	15	67	59	5	1	2.287	5	66	8	1.02	0.295	1	40	11	37	4.064	70	0.302	22	17	0.979	0.038	1	0.029	35	0.089	0.01	5	0.019	18	0.140	52	25	12	
9	442083	7303084	10	9	2	1	0.501	5	29	1	1.80	0.152	1	27	1	12	0.788	42	0.125	13	3	0.132	0.006	1	0.021	3	0.018	0.02	2	0.013	9	0.136	39	5	4	
593	442083	7302020	20	56	62	3	1	1.646	5	59	7	1.91	0.415	1	91	16	26	3.529	64	0.184	32	15	0.745	0.059	1	0.025	37	0.075	0.02	6	0.010	27	0.159	46	16	22
713	442084	7328960	27	58	56	1	1	2.089	5	53	9	1.16	0.230	1	73	16	40	4.577	44	0.243	15	18	0.910	0.067	1	0.028	34	0.038	0.01	6	0.010	16	0.187	62	17	11
592	442086	7321058	29	91	56	2	1	3.699	5	54	12	2.30	0.491	1	99	31	72	7.964	34	0.214	28	37	2.784	0.122	1	0.031	47	0.205	0.02	13	0.035	64	0.278	93	19	21
706	442087	7328070	10	31	36	5	1	4.632	5	44	10	14.60	0.737	1	65	31	42	6.748	27	0.091	20	12	0.387	0.193	2	0.108	21	0.165	0.04	7	0.223	36	0.141	50	13	12
705	442088	7327011	23	62	56	3	1	2.146	5	48	8	1.20	0.243	1	91	17	38	4.238	54	0.229	12	19	0.911	0.073	1	0.023	33	0.060	0.02	6	0.011	14	0.152	53	10	12
354	442094	7305926	13	64	35	3	1	4.093	5	132	12	9.87	0.163	1	23	10	45	11.194	32	0.620	5	28	1.588	0.028	1	0.022	15	0.023	0.05	5	0.010	11	0.397	87	11	7
703	442098	7324980	15	61	48	2	1	2.555	5	64	9	3.50	0.356	1	48	9	42	4.399	48	0.297	22	17	0.948	0.028	1	0.028	31	0.093	0.01	5	0.018	19	0.131	50	20	12
253	442123	7316976	11	23	8	2	1	1.352	5	20	3	5.16	0.189	1	47	4	21	1.123	57	0.086	33	11	0.405	0.010	1	0.020	12	0.043	0.04	4	0.017	12	0.114	28	4	13
208	442129	7312990	5	24	9	4	1	1.475	5	24	4	1.77	0.324	1	39	5	13	2.967	87	0.125	23	9	0.671	0.023	1	0.023	6	0.076	0.01	5	0.010	11	0.152	48	10	12
714	442136	7329998	16	53	42	3	1	2.147	5	42	8	1.86	0.239	1	89	14	46	4.231	43	0.173	16	17	0.785	0.050	1	0.030	29	0.052	0.01	6	0.019	16	0.174	54	10	12
202	442141	7314064	5	19	19	1	1	1.127	5	21	3	0.91	0.351	1	42	3	16	1.521	85	0.099	23	7	0.370	0.013	1	0.025	8	0.077	0.00	4	0.010	15	0.090	22	8	14
258	442847	7311073	9	46	40	2	1	1.680	5	25	5	0.84	0.415	1	88	18	22	3.085	55	0.110	16	13	0.498	0.065	1	0.024	29	0.143	0.01	4	0.033	21	0.085	36	7	11
261	442852	7309784	9	47	41	1	1	1.916	5	33	7	1.49	0.382	1	56	16	29	3.267	35	0.167	23	11	0.605	0.059	1	0.026	29	0.124	0.01	5	0.019	19	0.094	39	10	11
256	442945	7316035	5	23	3	4	1	1.351	5	26	2	2.48	0.229	1	28	3	29	1.237	55	0.128	14	9	0.486	0.012	1	0.024	8	0.022	0.02	4	0.011	14	0.159	34	9	7
352	442945	7304945	59	86	14	1	1	4.118	41	30	31	13.89	0.815	1	422	48	37	19.960	27	0.010	110	10	0.357	0.227	1	0.020	50	0.183	0.15	25	0.156	58	0.412	60	38	60
262	442954	7309000	89	127	38	2	1	4.826	5	24	39	8.55	0.726	1	122	93	1	26.922	27	0.000	52	12	0.727	0.333	1	0.020	52	0.263	0.24	30	0.109	23	0.161	56	23	57
359	442958	7307928	38	20	3	1	1	0.810	5	11	4	4.52	0.672	1	17	3	23	2.688	31	0.041	6	7	0.200	0.007	1	0.028	3	0.035	0.00	2	0.015	18	0.654	103	12	6
8	442993	7303019	7	30	12	3	1	1.242	5	26	4	3.52	0.259	1	25	5	25	2.059	43	0.155	13	9	0.570	0.013	1	0.027	10	0.052	0.19	3	0.010	11	0.120	38	4	6
201	442996	7313980	9	66	81	1	1	3.798	5	89	14	2.68	0.306	1	15	19	74	7.324	44	0.507	1	15	2.109	0.059	3	0.029	49	0.017	0.04	6	0.012	24	0.294	97	10	6
206	443001	7312019	5	127	20	1	1	2.318	5	20	13	4.67	0.906	1	10	34	45	8.634	47	0.082	15	17	0.653	0.179	1	0.020	23	0.357	0.04	11	0.082	34	0.358	86	13	12
355	443008	7309995	13	57	20	1	1	2.847	5	37	12	3.06	0.389	1	69	24	63	10.546	27	0.162	14	16	0.874	0.063	2	0.026	42	0.136	0.							

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines	K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Ti	V	Zr	Y
Unit	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Det.lim	(UTM zone 33)		5	2	1	1	1	0.01	5	1	0.2	0.01	0.01	10	1	1	1	0.01	1	0.01	1	1	0.01	0.2	1	0.02	2	0.01	0.01	0.2	0.01	2	0.01	1	1	0.2
163	443076	7321046	12	44	47	2	1	1.657	5	27	5	1.88	0.316	1	91	15	30	3.557	62	0.108	23	11	0.566	0.053	1	0.030	21	0.072	0.01	5	0.010	14	0.145	47	6	16
589	443084	7324073	19	84	66	6	1	2.310	5	78	8	0.65	0.579	1	61	17	42	4.517	38	0.126	27	20	1.100	0.024	1	0.029	44	0.125	0.01	6	0.010	28	0.164	62	33	16
590	443093	7323053	5	35	18	2	1	1.438	5	32	4	1.16	0.621	1	36	5	30	2.007	50	0.089	33	14	0.730	0.017	1	0.034	18	0.120	0.03	9	0.010	45	0.109	35	5	30
203	443099	7314921	6	18	5	3	1	1.096	5	16	3	1.23	0.185	1	21	3	23	1.268	97	0.067	10	7	0.288	0.008	1	0.024	4	0.025	0.01	2	0.014	12	0.094	28	4	5
160	443219	7317961	13	30	16	1	1	1.310	5	19	5	2.29	0.153	1	34	7	23	3.768	67	0.075	11	8	0.290	0.035	1	0.020	10	0.041	0.07	3	0.023	11	0.135	44	4	6
165	443688	7327696	24	44	41	19	1	1.893	5	33	11	2.75	0.169	1	56	13	39	6.051	42	0.135	19	12	0.544	0.059	1	0.024	21	0.068	0.02	4	0.010	11	0.158	60	10	10
263	443797	7308863	6	52	18	3	1	2.797	5	19	6	3.26	0.449	1	107	17	36	4.185	24	0.063	14	21	0.647	0.053	1	0.031	18	0.174	0.04	7	0.135	15	0.103	36	7	14
360	443833	7307910	31	51	30	3	1	3.307	5	45	12	4.17	0.408	1	113	25	34	7.605	32	0.084	49	24	1.472	0.223	5	0.028	16	0.093	0.04	15	0.011	11	0.216	74	18	48
211	443863	7313003	29	99	42	1	1	3.335	5	44	14	4.30	0.778	1	125	33	92	10.736	46	0.151	32	35	1.509	0.106	2	0.034	62	0.204	0.03	14	0.041	31	0.210	83	20	30
204	443882	7314974	29	16	4	1	1	1.976	5	29	11	6.85	0.195	1	35	4	15	7.148	27	0.064	4	8	0.658	0.047	1	0.021	3	0.042	0.04	3	0.013	7	0.358	97	12	8
351	443977	7304908	16	139	49	3	1	4.108	5	41	13	5.09	0.613	1	131	17	69	7.422	37	0.096	54	27	1.166	0.171	1	0.035	13	0.123	0.06	7	0.010	17	0.143	51	5	47
251	443949	7316988	14	82	13	2	1	2.108	5	60	8	3.20	0.603	1	126	12	25	3.253	23	0.065	54	27	1.166	0.171	1	0.035	13	0.123	0.06	7	0.010	17	0.143	51	5	47
646	443992	7311008	18	36	3	3	1	1.918	5	23	6	4.46	0.199	1	25	5	21	3.800	37	0.088	8	14	0.230	0.022	1	0.020	4	0.050	0.03	3	0.019	12	0.165	57	8	5
12	444008	7303948	18	21	8	3	1	2.355	5	18	10	7.17	0.161	1	12	4	50	6.818	31	0.060	5	6	0.206	0.011	1	0.023	11	0.052	0.05	7	0.022	10	0.142	69	10	4
7	444014	7306993	12	30	31	1	1	3.275	5	37	8	6.92	0.326	1	43	7	45	4.187	28	0.184	15	9	0.655	0.019	1	0.028	16	0.084	0.02	7	0.031	14	0.127	53	8	11
264	444017	7310129	21	85	33	8	1	3.517	5	71	12	2.41	0.262	1	130	23	55	6.284	30	0.273	25	32	1.255	0.076	2	0.026	41	0.066	0.01	8	0.022	16	0.144	81	14	21
583	444017	7318900	13	21	15	1	1	1.032	5	14	7	2.02	0.160	1	24	6	21	3.911	55	0.061	6	5	0.213	0.031	1	0.020	8	0.060	0.02	3	0.015	11	0.129	43	8	5
737	444027	7329019	14	100	100	4	1	1.651	5	77	6	2.33	0.506	1	78	14	51	3.209	36	0.102	76	45	0.375	0.089	3	0.023	42	0.052	0.02	18	0.054	26	0.136	49	8	106
610	444028	7325988	10	22	12	11	1	1.509	5	17	5	1.57	0.169	1	29	5	22	2.965	63	0.073	9	9	0.243	0.021	1	0.021	8	0.038	0.01	3	0.014	11	0.114	36	6	6
257	444032	7315926	12	32	8	2	1	2.440	5	20	6	4.02	0.311	1	62	12	23	3.529	35	0.057	12	24	0.743	0.055	1	0.028	8	0.062	0.01	4	0.020	10	0.243	73	6	10
166	444034	7326969	15	44	40	1	1	2.224	5	40	7	3.66	0.318	1	54	8	31	4.016	52	0.177	23	13	0.597	0.023	1	0.026	22	0.089	0.03	5	0.022	15	0.107	45	10	13
578	444042	7323953	20	67	60	1	1	2.821	5	60	10	2.37	0.346	1	72	11	61	5.241	45	0.282	28	18	0.978	0.031	2	0.027	40	0.087	0.01	6	0.014	21	0.157	55	19	18
579	444043	7322944	25	51	45	5	1	2.788	5	26	10	4.65	0.414	1	83	15	45	6.222	37	0.109	12	12	0.591	0.043	1	0.031	20	0.187	0.01	6	0.032	17	0.137	60	11	10
581	444048	7320960	9	20	16	5	1	1.106	5	14	5	3.00	0.353	1	32	5	23	3.450	38	0.068	13	8	0.334	0.016	1	0.026	12	0.128	0.00	4	0.011	21	0.120	34	9	10
582	444062	7319944	13	23	21	4	1	1.158	5	16	6	1.44	0.422	1	36	11	23	3.450	26	0.083	11	8	0.334	0.016	1	0.026	12	0.128	0.00	4	0.011	21	0.120	34	9	10
736	444070	7329995	5	28	4	4	1	1.494	5	31	4	1.47	0.276	1	33	5	22	2.569	45	0.120	15	11	0.516	0.018	1	0.026	8	0.018	0.01	3	0.012	17	0.222	52	10	7
580	444077	7321956	13	29	26	5	1	1.240	5	21	5	1.05	0.320	1	62	9	24	2.791	40	0.089	17	9	0.407	0.036	1	0.026	18	0.078	0.00	4	0.010	17	0.112	35	7	12
205	444088	7313886	16	53	27	6	1	1.882	5	33	6	1.59	0.563	1	66	18	32	3.872	85	0.077	37	19	0.793	0.067	1	0.037	31	0.112	0.01	11	0.017	23	0.308	121	5	5
611	444230	7325140	13	57	16	2	1	1.801	5	31	6	2.93	0.502	1	14	16	53	3.706	34	0.090	5	15	0.754	0.094	1	0.052	14	0.077	0.02	5	0.010	13	0.308	121	5	5
584	444391	7318083	11	21	17	1	1	1.025	5	13	6	2.47	0.362	1	28	5	18	3.509	67	0.045	12	6	0.254	0.016	1	0.022	10	0.110	0.02	3	0.012	19	0.101	37	7	8
212	444879	7313898	23	106	8	3	1	1.761	5	18	15	5.45	0.921	1	39	23	24	8.037	59	0.062	5	25	0.708	0.086	1	0.026	15	0.315	0.04	7	0.015	42	0.269	70	9	8
167	444911	7327064	7	36	17	4	1	1.855	5	27	6	2.42	0.210	1	34	7	35	3.127	56	0.093	14	15	0.575	0.019	1	0.026	15	0.031	0.01	4	0.010	13	0.175	52	6	9
607	444951	7322081	20	37	6	2	1	1.749	5	16	11	3.68	0.173	1	34	10	21	6.043	56	0.054	5	10	0.183	0.032	1	0.020	7	0.068	0.01	4	0.026	12	0.137	49	11	5
6	444973	7303030	14	54	34	15	1	2.149	5	28	9	1.04	0.418	1	119	14	38	3.794	37	0.165	31	23	1.015	0.028	1	0.035	23	0.096	0.01	5	0.012	13	0.163	67	11	16
168	444986	7327743	13	54	39	3	1	1.599	5	53	7	1.52	0.382	1	52	12	28	3.997	73	0.227	10	16	0.625	0.039	1	0.027	27	0.095	0.01	4	0.010	17	0.120	50	12	9
612	444997	7324853	27	16	6	1	1	1.419	5	19	10	2.40	0.103	1	10	3	25	8.037	48	0.074	1	6	0.146	0.012	1	0.020	4	0.013	0.03	3	0.016	8	0.272	94	14	1
605	445000	7320009	6	27	26	4	1	1.882	5	16	5	2.04	0.355	1	80	8	23	2.395	56	0.057	17	9	0.319	0.024	1	0.025	16	0.103	0.02	5	0.086	18	0.082	26	10	13
606	445007	7320993	6	25	48	1	1	1.552	5	18	12	6.14	0.510	1	57	15	80	6.546	26	0.048	13	30	0.716	0.032	1	0.045	20	0								

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines	K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Tl	V	Zr	Y
Unit	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm
Det.lim			5	2	1	1	1	0.01	5	1	0.2	0.01	0.01	1	10	1	1	0.01	1	0.01	1	1	0.01	0.2	1	0.02	2	0.01	0.2	0.01	2	0.01	1	1	0.2	
16	445197	7306924	15	92	23	90	1	3.055	5	61	12	5.92	0.497	1	90	22	42	5.466	37	0.194	40	32	0.718	0.134	1	0.036	19	0.103	0.04	6	0.024	33	0.334	106	8	12
266	445742	7312038	11	58	48	3	1	2.672	5	38	7	1.23	0.748	1	74	13	51	4.040	37	0.124	38	26	1.279	0.025	1	0.044	29	0.158	0.02	6	0.011	30	0.192	66	14	17
616	445789	7322980	11	25	9	9	1	1.459	5	28	4	4.24	0.203	1	33	5	34	2.165	51	0.083	19	8	0.309	0.018	2	0.023	9	0.046	0.03	3	0.013	13	0.127	35	3	11
615	445800	7321953	5	36	9	1	1	3.556	5	101	8	3.32	0.600	1	230	12	67	4.179	50	0.162	78	61	0.922	0.088	3	0.040	30	0.029	0.03	9	0.140	42	0.297	74	13	105
15	445813	7306150	6	10	5	2	1	0.827	10	24	1	5.07	0.126	1	20	1	17	0.658	59	0.120	10	3	0.170	0.005	1	0.020	3	0.012	0.02	2	0.035	8	0.158	32	7	4
5	445855	7302988	8	10	5	2	1	1.096	5	18	3	4.36	0.096	1	17	1	16	1.848	49	0.082	10	4	0.092	0.004	1	0.021	2	0.020	0.01	2	0.018	6	0.112	40	7	4
268	445892	7314025	23	35	59	6	1	1.857	5	58	14	4.50	0.641	1	47	24	52	8.583	25	0.076	1	12	0.862	0.094	2	0.051	28	0.050	0.01	5	0.010	18	0.198	102	8	5
169	445898	7327009	13	10	2	4	1	0.696	5	39	2	1.95	0.157	1	19	2	20	0.872	51	0.144	9	4	0.207	0.006	1	0.021	3	0.009	0.01	3	0.010	11	0.294	55	8	5
267	445928	7313003	10	27	20	3	1	1.862	5	24	7	5.10	0.284	1	51	5	35	3.829	54	0.076	12	8	0.296	0.017	2	0.027	12	0.050	0.03	4	0.017	16	0.133	46	5	8
265	445949	7311366	12	38	20	4	1	1.418	5	23	6	1.24	0.435	1	88	13	22	3.037	61	0.076	18	12	0.433	0.057	1	0.025	16	0.112	0.00	4	0.012	24	0.102	36	7	11
170	445986	7319013	12	19	16	1	1	2.287	5	15	7	4.52	0.332	1	57	6	25	3.477	30	0.055	15	7	0.264	0.016	1	0.020	12	0.093	0.01	5	0.033	14	0.117	34	7	12
619	445991	7324943	5	110	52	2	1	2.395	5	139	14	2.43	0.068	1	10	41	128	8.641	21	0.082	32	13	1.647	0.254	1	0.020	111	0.245	0.02	14	0.010	55	0.230	110	9	31
171	446004	7319993	13	20	10	1	1	1.209	5	18	11	3.49	0.180	1	10	5	22	6.014	62	0.047	2	5	0.277	0.024	1	0.022	7	0.045	0.02	3	0.012	12	0.133	44	9	4
614	446004	7326023	10	31	11	1	1	1.908	5	42	7	3.49	0.213	1	25	5	35	3.297	48	0.180	11	14	0.513	0.013	1	0.025	13	0.052	0.02	4	0.012	14	0.113	47	6	6
14	446014	7307000	25	221	26	2	1	3.491	5	60	11	3.99	0.484	1	130	23	45	6.426	40	0.105	86	37	1.160	0.106	4	0.036	29	0.057	0.03	8	0.010	26	0.325	123	14	46
13	446025	7307983	22	62	80	2	1	2.847	5	55	9	5.41	0.417	1	85	30	37	6.848	46	0.298	23	27	0.923	0.137	2	0.026	36	0.163	0.02	7	0.010	15	0.160	83	13	12
172	446026	7324019	5	32	27	3	1	2.355	5	35	7	3.20	0.334	1	32	8	42	4.246	66	0.144	18	18	0.632	0.022	1	0.031	16	0.071	0.02	4	0.010	13	0.162	52	9	8
19	446030	7305053	11	61	63	1	1	3.641	5	85	12	2.25	0.725	1	139	45	118	6.764	56	0.192	42	38	1.583	0.071	2	0.079	164	0.084	0.01	9	0.057	15	0.154	125	8	24
269	446075	7314910	21	6	7	1	1	0.487	5	22	1	4.77	0.093	1	32	1	11	0.309	47	0.084	16	2	0.072	0.003	1	0.020	2	0.008	0.02	2	0.017	7	0.210	42	5	4
617	446254	7321025	34	57	12	1	1	2.334	5	29	13	6.92	0.985	1	30	16	29	7.424	28	0.052	7	41	0.698	0.093	1	0.050	17	0.074	0.02	4	0.031	62	0.405	105	11	8
216	446671	7314108	8	82	15	1	1	2.176	5	25	7	2.47	0.260	1	46	14	54	4.433	55	0.093	11	25	0.785	0.066	1	0.030	16	0.084	0.02	5	0.010	15	0.229	83	6	5
362	446940	7307708	12	25	28	5	1	3.531	5	24	10	9.16	0.141	1	45	7	44	5.300	24	0.117	14	7	0.391	0.016	1	0.025	13	0.045	0.05	6	0.077	7	0.168	80	9	12
215	446959	7313011	9	122	21	1	1	2.618	5	47	8	2.81	0.645	1	72	21	44	4.840	34	0.076	27	34	1.088	0.195	2	0.027	26	0.139	0.02	6	0.010	20	0.194	72	7	4
218	446981	7315868	14	16	5	2	1	0.998	5	19	8	3.01	0.183	1	15	3	14	4.014	80	0.060	3	7	0.127	0.009	1	0.020	4	0.019	0.02	2	0.015	11	0.194	72	7	4
363	446983	7307025	16	40	11	3	1	2.199	5	84	7	1.70	0.046	1	44	13	40	3.527	22	0.681	10	3	1.918	0.007	2	0.041	31	0.007	0.00	6	0.010	2	0.209	117	14	2
306	446985	7306035	10	43	32	2	1	1.915	5	35	6	2.16	0.387	1	33	8	52	3.242	46	0.135	19	20	0.765	0.023	2	0.030	23	0.079	0.03	5	0.012	16	0.141	56	4	14
217	446996	7314988	14	62	38	2	1	2.328	5	68	8	4.16	0.681	1	58	17	45	4.226	44	0.075	55	39	0.751	0.102	2	0.028	46	0.121	0.06	10	0.015	24	0.114	42	6	10
213	447003	7311019	13	89	17	2	1	1.670	5	21	9	3.47	0.394	1	80	16	21	4.933	88	0.046	27	14	0.548	0.107	2	0.022	15	0.182	0.02	5	0.010	24	0.114	42	6	10
271	447005	7310556	5	22	14	6	1	0.908	5	14	4	0.80	0.504	1	46	4	16	1.698	51	0.069	21	6	0.314	0.014	1	0.024	10	0.140	0.01	3	0.021	24	0.078	23	6	11
214	447008	7312038	17	34	20	1	1	1.855	5	24	8	2.90	0.165	1	47	7	35	4.197	87	0.102	12	9	0.409	0.016	1	0.026	13	0.036	0.02	4	0.012	14	0.177	55	7	8
307	447009	7305036	9	86	34	1	1	4.235	5	94	10	2.99	0.559	1	184	24	113	6.697	34	0.333	15	49	1.791	0.094	1	0.058	63	0.031	0.03	7	0.014	20	0.258	105	16	12
20	447021	7304028	6	4	1	1	1	0.439	5	13	0	1.78	0.102	1	17	1	5	0.215	38	0.060	6	2	0.037	0.004	1	0.022	2	0.003	0.00	1	0.015	6	0.109	25	10	3
309	447400	7303123	10	9	2	1	1	0.324	5	10	0	37.89	0.051	1	55	1	7	0.221	9	0.038	28	1	0.032	0.001	1	0.024	2	0.053	0.02	2	0.054	5	0.049	6	3	3
270	447462	7317298	17	64	26	3	1	2.843	5	41	10	2.63	0.566	1	66	16	45	4.796	42	0.138	7	30	1.123	0.030	1	0.040	30	0.056	0.06	5	0.013	20	0.164	68	10	7
174	447514	7321933	31	31	30	3	1	1.684	5	24	10	2.52	0.313	1	41	9	28	5.420	52	0.059	10	15	0.471	0.019	1	0.025	17	0.019	0.01	3	0.013	16	0.197	76	9	7
618	447521	7321000	15	38	13	6	1	2.147	5	96	5	8.48	0.233	1	14	8	47	3.018	15	0.501	9	18	0.828	0.018	1	0.028	20	0.024	0.04	3	0.010	12	0.389	120	5	5
173	447652	7316918	18	16	12	1	1	1.403	5	28	9	8.44	0.246	1	10	3	37	5.018	52	0.074	2	3	0.260	0.009	2	0.025	10	0.032	0.03	3	0.014	12	0.294	124	5	4
237	447831	7320006	10	23	18	54	1	1.766	5	37	5	6.74	0.161	1	16	5	33	2.318	21	0.141	6	4	0.375	0.079	1	0.023	8	0.016	0.03	5	0.011	4	0.323	1		

Coordinates and analytical values of 746 regional samples of the Bleikvassli area, NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Unit	Sample no	East m	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppb	Al ppm	B ppm	Ba ppm	Be ppm	C %	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe %	Fines %	K %	La ppm	Li ppm	Mg %	Mn %	Mo ppm	Na %	Ni ppm	P %	S %	Sc ppm	Si %	Sr %	Ti %	V ppm	Zr ppm	Y ppm
Det.lim	102	447992	7313976	9	61	25	1	1	3.293	5	40	10	5.29	0.532	1	78	11	53	4.428	45	0.139	38	36	1.242	0.025	1	0.034	23	0.153	0.06	7	0.012	24	0.167	69	6	18
	365	448037	7307089	16	45	41	41	2.852	5	35	8	6.54	0.336	1	64	14	52	4.579	25	0.146	16	14	0.623	0.046	1	0.025	26	0.100	0.03	6	0.022	16	0.138	53	12	10	
	182	448048	7328065	5	40	7	5	2.016	5	106	5	3.64	0.287	1	13	10	54	3.078	49	0.543	8	17	1.063	0.012	1	0.031	20	0.013	0.02	4	0.010	10	0.249	118	4	4	
	159	448080	7326756	14	41	18	3	1.697	5	52	11	4.56	0.283	1	17	12	46	5.924	47	0.226	5	23	0.732	0.050	2	0.027	14	0.049	0.03	3	0.010	14	0.271	101	5	5	
	522	448111	7322004	120	65	19	6	1.501	5	71	14	11.46	1.094	1	61	24	43	11.865	23	0.044	9	13	0.922	0.237	2	0.035	19	0.320	0.11	8	0.086	24	0.297	91	6	13	
	158	448144	7326265	6	18	5	1	1.196	5	38	4	3.80	0.186	1	17	3	28	1.720	61	0.192	7	7	0.397	0.007	1	0.022	8	0.010	0.01	2	0.014	11	0.272	81	6	4	
	602	448227	7325644	12	27	40	12	2.772	5	39	10	8.51	0.283	1	66	8	47	5.410	25	0.148	20	19	0.453	0.022	1	0.024	14	0.074	0.03	5	0.013	13	0.147	55	6	10	
	601	448394	7325073	22	35	12	2	1.403	5	51	3	8.25	0.233	1	27	7	36	2.038	18	0.154	15	15	0.651	0.010	1	0.031	13	0.029	0.03	4	0.010	12	0.258	67	6	7	
	181	448512	7328308	10	46	15	2	1.646	5	54	12	5.25	0.289	1	33	12	58	7.079	42	0.346	12	22	0.858	0.039	1	0.037	20	0.064	0.03	4	0.010	11	0.278	92	5	8	
	414	448662	7314008	41	69	153	1	2.805	5	63	17	2.57	0.773	1	137	52	34	9.610	14	0.291	21	19	1.040	0.158	2	0.033	42	0.296	0.01	10	0.036	18	0.212	143	17	16	
	157	448682	7324625	8	45	22	3	2.366	5	56	9	8.77	0.328	1	33	10	50	6.095	38	0.149	16	29	0.607	0.045	2	0.033	16	0.100	0.06	3	0.010	16	0.264	82	5	7	
	250	448915	7314350	43	211	62	3	2.720	5	51	12	3.02	0.494	1	117	39	90	9.516	38	0.154	40	34	1.133	0.313	2	0.028	57	0.245	0.04	16	0.010	33	0.285	122	9	30	
	67	448979	7314350	23	44	27	1	1.250	5	78	10	6.88	0.642	1	96	14	52	5.692	26	0.161	50	27	0.596	0.034	3	0.029	16	0.073	0.04	6	0.011	20	0.340	121	7	24	
	303	448939	7315838	37	124	59	1	1.354	5	45	16	4.59	0.485	1	89	21	55	8.509	26	0.155	4	27	0.852	0.047	2	0.033	41	0.190	0.04	6	0.018	20	0.248	96	14	8	
	304	448944	7305044	14	25	12	4	1.352	5	44	7	4.98	0.093	1	14	4	25	3.963	46	0.202	10	8	0.376	0.014	1	0.020	10	0.035	0.02	3	0.022	8	0.196	73	11	3	
	146	448958	7327004	23	69	54	4	2.169	5	62	7	3.01	0.289	1	163	13	34	4.339	40	0.349	36	15	0.867	0.033	1	0.030	35	0.094	0.03	5	0.013	17	0.111	47	12	19	
	302	448983	7304058	5	106	11	3	2.845	5	45	19	7.19	0.284	1	10	19	90	12.345	24	0.095	1	24	0.849	0.043	1	0.020	41	0.087	0.03	7	0.010	2	0.307	176	11	5	
	415	448984	7314960	17	74	32	1	2.336	5	50	12	3.26	0.422	1	113	29	47	7.008	28	0.099	7	27	0.856	0.155	2	0.030	29	0.113	0.02	6	0.010	21	0.257	85	10	9	
	323	448988	7302216	14	44	30	4	1.335	5	45	11	7.12	0.296	1	54	16	65	6.138	33	0.216	10	16	0.683	0.038	2	0.028	32	0.088	0.05	6	0.030	12	0.188	85	9	9	
	278	448999	7309003	20	67	66	3	2.609	5	57	8	2.84	0.496	1	135	13	63	5.641	35	0.286	32	16	0.898	0.038	1	0.038	41	0.106	0.03	8	0.012	26	0.174	63	11	18	
	304	448999	7306033	16	47	26	2	1.819	5	42	8	6.64	0.282	1	26	9	35	4.193	36	0.185	7	11	0.575	0.031	1	0.021	19	0.094	0.02	4	0.015	16	0.139	45	9	7	
	145	449001	7326025	5	68	57	7	2.631	5	102	8	1.33	0.679	1	35	17	69	4.135	33	0.946	16	39	1.763	0.067	1	0.028	33	0.146	0.01	3	0.010	14	0.311	73	6	6	
	364	449005	7307035	12	103	33	1	3.342	5	152	10	4.45	0.930	1	90	17	93	6.795	27	0.550	39	47	1.461	0.064	1	0.048	52	0.090	0.10	8	0.016	22	0.255	101	12	21	
	22	449006	7303008	16	103	22	1	3.119	5	38	11	3.32	0.479	1	126	22	61	5.789	32	0.082	16	26	1.223	0.107	1	0.027	37	0.075	0.02	8	0.024	28	0.180	94	8	17	
	277	449007	7310006	27	71	53	3	2.775	5	34	11	4.48	0.359	1	63	10	49	5.380	33	0.170	22	14	0.718	0.027	2	0.031	22	0.086	0.02	6	0.011	20	0.164	59	10	15	
	417	449017	7316806	15	65	16	1	2.507	5	31	10	3.00	0.323	1	180	20	38	5.522	41	0.107	10	26	0.592	0.075	1	0.027	20	0.066	0.01	5	0.010	17	0.168	65	9	13	
	472	449021	7310934	18	121	52	2	2.285	5	59	7	2.87	0.595	1	128	15	50	4.700	38	0.165	49	21	0.883	0.051	3	0.034	35	0.092	0.07	9	0.010	27	0.166	65	8	38	
	85	449061	7319139	34	79	89	2	1.738	5	90	17	7.30	6.323	1	110	32	28	9.808	33	0.188	39	17	2.503	0.079	1	0.021	97	0.417	0.18	20	0.024	880	0.073	47	15	65	
	82	449074	7318068	13	20	12	1	1.361	5	18	6	6.86	0.412	1	10	8	40	3.085	26	0.044	4	15	0.488	0.020	1	0.047	14	0.129	0.03	3	0.014	15	0.299	88	2	3	
	628	449100	7328344	21	4	3	4	1.579	5	33	1	6.44	0.116	1	15	1	13	0.560	35	0.100	7	1	0.064	0.003	1	0.022	2	0.011	0.03	2	0.031	9	0.247	69	6	3	
	86	449109	7320078	12	24	12	1	2.554	5	30	11	5.94	0.171	1	12	5	38	5.348	37	0.092	3	9	0.274	0.009	1	0.025	8	0.036	0.04	5	0.047	13	0.164	69	12	7	
	109	449181	7311063	30	77	51	5	3.502	5	48	12	6.42	0.297	1	92	11	53	6.707	39	0.144	16	20	0.793	0.021	2	0.024	26	0.065	0.05	6	0.044	16	0.174	63	15	11	
	66	449264	7314800	13	30	13	1	1.356	5	28	10	4.63	0.270	1	11	7	34	4.427	41	0.051	11	2	0.309	0.017	2	0.028	7	0.050	0.02	4	0.014	15	0.204	90	6	5	
	107	449347	7312006	30	10	4	1	1.608	5	18	1	9.26	0.086	1	22	1	15	0.228	39	0.070	11	2	0.051	0.002	1	0.020	2	0.035	0.07	2	0.021	7	0.093	22	5	5	
	273	449390	7308376	64	954	583	1	1.4543	5	98	16	5.29	1.061	1	116	23	66	7.902	21	0.195	39	16	1.307	0.077	3	0.039	37	0.098	0.06	10	0.126	60	0.305	102	9	30	
	156	449431	7323373	7	83	34	3	2.844	5	95	10	3.71	0.393	1	28	19	65	5.089	35	0.342	22	56	1.237	0.043	3	0.031	31	0.083	0.03	4	0.010	16	0.296	103	5	10	
	367	449535	7306534	21	40	14	2	1.880	5	84	13	7.13	0.324	1	10	7	59	7.799	29	0.186	1	19	0.590	0.023	2	0.027	19	0.032	0.04	4	0.010	16	0.356	136	12	7	
	627	449725	7328505	15	28	19	1	1.937	5	33	8	4.56	0.284	1	27	6	40	4.853	27	0.124	10	16	0.441	0.021	1	0.030	15	0.063	0.03	4	0.013	14	0.206	72	10	6	
	65	449771	7315073	26	70	26	1	3.493	5	40	14	3.85	0.273	1	109	17	62	7.096	42	0.168	9	32	1.042	0.042	1	0.025	32	0.064	0.04	6	0.010	13	0.238	83	13	9	
	108	449803	7310993	18	72	45	19	2.954	5	56	9	2.56	0.357	1	104	11	43	4.601	31	0.273	26	22	0.935	0.													

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Unit	Sample no	East m	North m	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines	K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Ti	V	Zr	Y		
Det.lim				ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
276	450008	7310016	18	25	12	1	1	1.247	5	32	8	9.95	0.141	1	32	4	27	4.325	30	0.189	18	5	0.364	0.008	1	0.028	9	0.042	0.06	3	0.022	13	0.171	57	8	7
321	450008	7299013	25	16	14	1	1	1.146	5	17	12	6.21	0.124	1	39	2	15	6.920	26	0.093	25	4	0.159	0.004	3	0.023	6	0.015	0.03	2	0.027	8	0.239	136	15	11
369	450010	7305163	8	64	23	1	1	2.888	5	97	10	2.80	0.571	1	106	16	87	4.791	39	0.338	27	34	1.377	0.045	1	0.035	46	0.043	0.04	7	0.010	20	0.223	77	9	20
471	450038	7326961	11	83	42	1	1	2.415	5	85	7	0.41	0.481	1	53	13	46	3.300	37	0.544	27	23	1.365	0.019	1	0.040	45	0.101	0.00	5	0.010	23	0.151	60	22	17
147	450038	7309863	24	9	8	6	1	1.778	5	30	1	24.98	0.188	1	14	1	13	0.549	32	0.110	7	2	0.088	0.006	1	0.022	2	0.033	0.12	3	0.023	17	0.192	35	8	4
24	450047	7301013	17	51	6	1	1	2.702	5	46	9	8.25	0.290	1	10	5	57	5.043	27	0.166	1	12	0.446	0.019	2	0.030	12	0.032	0.05	5	0.012	15	0.291	103	8	5
249	450058	7325918	13	113	64	1	1	4.228	5	137	17	14.13	0.625	1	192	30	90	10.202	27	0.251	45	75	1.269	0.181	11	0.028	30	0.292	0.21	10	0.017	19	0.238	126	7	31
83	450068	7318035	9	69	49	3	1	2.379	5	28	10	4.56	0.961	1	39	23	73	6.591	20	0.060	7	31	1.068	0.033	1	0.052	36	0.255	0.05	7	0.010	44	0.264	84	4	7
418	450074	7316948	20	100	33	1	1	3.376	5	38	8	2.96	0.318	1	189	28	49	5.160	35	0.137	22	33	0.908	0.089	2	0.031	32	0.098	0.03	8	0.024	18	0.161	64	4	16
92	450090	7324844	7	59	36	2	1	1.815	5	56	6	2.41	0.273	1	49	12	36	4.255	43	0.328	15	18	0.885	0.028	1	0.032	28	0.063	0.01	4	0.010	14	0.180	68	9	7
84	450093	7319011	15	63	68	4	1	1.873	7	50	6	1.58	0.506	1	136	22	30	3.661	49	0.263	34	15	0.744	0.052	1	0.037	45	0.134	0.01	5	0.033	21	0.105	44	12	15
451	450131	7313844	5	139	40	4	1	3.357	119	74	13	3.16	0.431	1	164	33	59	8.063	29	0.096	67	44	1.214	0.301	1	0.020	34	0.117	0.03	11	0.387	24	0.342	121	15	44
239	450203	7321036	9	70	32	2	1	1.463	5	68	4	2.97	0.789	1	69	16	29	2.667	15	0.215	32	18	0.840	0.057	1	0.036	26	0.195	0.03	5	0.010	26	0.127	48	7	18
184	450254	7328423	14	82	92	4	1	2.279	5	101	9	0.70	0.571	1	95	24	44	4.960	26	0.515	36	19	1.110	0.071	2	0.045	59	0.142	0.00	6	0.019	18	0.170	73	19	20
143	450417	7322209	9	65	33	1	1	2.940	5	63	9	3.67	0.253	1	60	18	64	6.194	34	0.380	14	52	1.377	0.038	2	0.034	30	0.051	0.02	4	0.010	11	0.246	93	7	8
141	450657	7316998	5	88	145	4	1	3.481	5	260	15	1.47	0.603	1	154	51	55	9.570	30	0.000	60	35	2.027	0.986	1	0.020	76	0.122	0.02	16	0.010	21	0.251	123	20	39
630	450767	7328188	7	96	81	1	1	2.779	5	129	8	1.17	0.605	1	96	19	59	4.813	48	0.717	30	27	1.435	0.052	2	0.050	59	0.105	0.01	7	0.010	20	0.216	86	18	18
375	450823	7305868	26	44	29	1	1	2.454	5	62	13	6.10	0.349	1	13	9	119	9.765	25	0.280	1	13	0.784	0.029	1	0.041	32	0.016	0.02	6	0.010	18	0.380	157	22	9
371	450942	7304099	13	21	25	1	1	3.180	5	102	7	12.72	0.287	1	14	6	60	3.490	31	0.112	7	6	0.346	0.009	2	0.049	8	0.057	0.06	9	0.016	8	0.199	115	5	6
274	450973	7308449	157	82	47	2	1	3.382	5	24	12	11.86	0.286	1	220	10	13	9.250	38	0.000	15	15	0.715	0.028	1	0.020	43	0.063	0.08	7	0.010	14	0.149	58	17	29
27	450984	7302998	15	65	16	4	1	3.008	5	34	9	3.07	0.429	1	27	10	79	4.953	30	0.147	12	27	1.116	0.019	2	0.039	26	0.055	0.03	6	0.017	19	0.254	110	9	10
452	450986	7313833	3	87	35	1	1	3.481	5	65	15	5.89	0.224	1	10	13	169	9.250	38	0.000	15	15	0.715	0.028	1	0.020	43	0.063	0.08	7	0.010	14	0.149	58	17	29
223	450992	7313223	13	39	23	3	1	2.356	5	43	8	3.68	0.249	1	38	8	76	4.593	79	0.184	7	14	0.632	0.025	1	0.027	27	0.031	0.02	5	0.010	13	0.203	70	10	8
33	450995	7301018	11	34	27	1	1	2.913	5	32	11	7.51	0.312	1	56	6	38	4.860	30	0.168	25	11	0.474	0.015	1	0.024	17	0.086	0.04	6	0.012	15	0.133	49	10	14
36	450995	7300028	10	92	66	2	1	3.921	5	125	11	3.23	0.620	1	161	22	83	7.354	30	0.603	51	42	1.662	0.095	3	0.057	66	0.109	0.04	12	0.020	23	0.229	107	10	52
171	450995	7311030	30	71	47	1	1	1.939	5	71	7	1.96	0.420	1	36	11	29	3.165	40	0.354	15	18	0.997	0.024	1	0.034	27	0.036	0.03	5	0.010	19	0.127	53	5	10
470	450996	7309996	34	21	13	4	1	1.566	5	19	4	0.83	0.490	1	59	10	18	1.905	34	0.098	6	3	0.161	0.005	1	0.020	6	0.030	0.04	3	0.028	9	0.211	88	7	6
25	450997	7302033	22	292	27	1	1	3.646	5	46	17	2.69	0.543	1	168	28	46	9.431	26	0.215	57	45	1.652	0.228	2	0.038	35	0.229	0.03	14	0.010	15	0.261	100	25	40
374	451004	7305001	21	37	18	1	1	2.741	5	28	13	9.26	0.171	1	11	8	77	13.273	35	0.098	1	13	0.399	0.021	2	0.026	13	0.033	0.07	5	0.014	12	0.290	86	20	5
63	451005	7316124	29	47	29	1	1	2.186	5	55	13	3.18	0.316	1	40	10	64	7.537	44	0.224	6	18	0.821	0.035	1	0.034	33	0.061	0.03	5	0.010	17	0.226	88	16	8
105	451012	7312104	8	65	54	4	1	2.672	5	46	6	1.09	0.368	1	57	10	50	3.597	36	0.246	23	17	1.060	0.025	1	0.037	35	0.047	0.01	6	0.012	25	0.159	50	10	12
35	451018	7299030	9	117	23	1	1	3.645	5	105	12	7.25	0.918	1	80	14	84	6.596	28	0.219	20	52	1.350	0.061	1	0.033	41	0.118	0.10	7	0.028	24	0.315	113	7	19
139	451023	7317988	10	29	67	3	1	1.040	5	21	4	0.63	0.490	1	59	10	18	1.905	34	0.100	26	8	0.363	0.044	1	0.025	15	0.153	0.00	3	0.010	18	0.071	25	5	12
570	451033	7323878	13	67	63	1	1	1.452	5	35	5	0.48	0.524	1	80	13	25	2.624	41	0.171	18	12	0.661	0.053	1	0.033	23	0.161	0.00	5	0.010	22	0.126	56	23	16
577	451036	7323004	5	40	41	1	1	1.452	5	35	5	0.48	0.524	1	80	13	25	2.624	41	0.171	18	12	0.661	0.053	1	0.033	23	0.161	0.00	5	0.010	22	0.126	56	23	16
240	451046	7321214	11	22	15	1	1	2.059	5	33	7	10.78	0.151	1	35	5	34	3.387	28	0.101	14	11	0.357	0.010	1	0.026	9	0.053	0.04	4	0.015	9	0.286	82	5	7
248	451048	7325768	15	52	13	1	1	2.413	5	46	11	8.61	0.163	1	21	9	49	6.548	34	0.177	5	11	0.424	0.061	1	0.023	14	0.094	0.08	4	0.013	9	0.121	66	6	5
320	451053	73298263	12	28	16	3	1	2.120	5	19	10	7.71	0.157	1	37	8	32	4.459	38	0.078	11	9	0.357	0.023	2	0.030	10	0.045	0.04	4	0.016	9	0.182	68	6	15
91	451055	7324903	6	41	20	1	1	1.957	5	45	4	5.95	0.301	1	29	7	46	2.122	19	0.214	18	18	0.829	0.012	1	0.034	17									

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Unit	Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines	K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Ti	V	Zr	Y	
Det.lim	m	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	372	451949	7304059	25	48	25	1	1	1.638	5	74	10	6.18	0.407	1	19	8	62	5.215	30	0.346	6	11	0.653	0.031	1	0.035	26	0.039	0.03	5	0.010	17	0.364	145	15	9	
	28	451981	7303009	22	81	79	4	1	2.358	5	69	9	0.84	0.255	1	60	21	39	4.477	51	0.365	15	19	1.071	0.082	1	0.024	47	0.111	0.00	7	0.032	16	0.135	59	20	10	
	350	451987	7311036	20	98	59	1	1	3.544	5	222	16	5.38	0.735	1	113	28	113	8.662	21	0.877	20	39	1.891	0.201	2	0.042	65	0.130	0.09	8	0.012	19	0.317	131	11	18	
	473	451987	7309985	5	500	3206	3	1	3.312	5	436	21	1.18	1.206	1	199	79	43	14.020	116	12	0.000	116	12	2.139	0.937	1	0.020	171	0.191	0.18	16	0.082	43	0.242	113	25	67
	29	451991	7302035	16	44	27	4	1	4.033	5	77	13	8.37	0.279	1	34	13	54	7.962	31	0.353	6	18	0.790	0.056	1	0.032	37	0.054	0.19	7	0.181	16	0.230	149	13	10	
	32	451994	7300993	10	94	33	1	1	3.858	5	124	9	3.30	0.721	1	155	21	108	6.458	29	0.510	21	46	1.733	0.064	1	0.060	65	0.067	0.04	7	0.022	26	0.285	102	10	14	
	138	451998	7317988	15	91	35	1	1	3.218	5	28	9	4.15	0.249	1	151	25	48	4.777	23	0.181	11	28	0.888	0.079	1	0.037	35	0.100	0.03	12	0.017	21	0.180	75	5	45	
	469	451998	7309016	17	69	56	2	1	2.192	5	59	7	1.16	0.441	1	67	11	41	3.752	54	0.304	27	16	1.008	0.023	1	0.033	34	0.095	0.08	5	0.017	24	0.131	54	16	16	
	114	452010	7316016	5	49	11	2	1	1.866	5	44	4	2.86	0.239	1	21	16	31	2.517	42	0.241	13	20	0.753	0.035	1	0.031	17	0.055	0.03	3	0.011	14	0.189	51	5	7	
	576	452018	7323000	11	79	74	3	1	2.308	5	80	8	0.76	0.384	1	66	15	43	4.605	20	0.488	26	20	1.135	0.034	2	0.037	47	0.094	0.00	7	0.027	20	0.145	65	30	17	
	222	452025	7313014	10	103	29	2	1	3.163	5	66	10	5.08	0.290	1	63	9	85	7.403	70	0.283	9	28	1.110	0.028	1	0.031	21	0.040	0.04	6	0.011	13	0.263	83	11	7	
	319	452032	7297956	16	38	15	3	1	2.733	5	31	11	2.94	0.243	1	64	12	39	5.620	35	0.088	18	19	0.491	0.037	3	0.023	15	0.047	0.03	5	0.077	11	0.252	89	15	14	
	645	452038	7312030	16	40	30	2	1	1.943	5	30	6	5.83	0.219	1	32	7	37	4.177	40	0.133	18	12	0.545	0.016	1	0.026	16	0.066	0.02	4	0.016	13	0.140	53	8	6	
	90	452043	7324924	19	65	39	5	1	2.551	5	136	13	17.92	3.195	1	72	33	24	8.255	24	0.099	35	19	0.877	0.064	2	0.034	50	0.495	0.47	18	0.013	115	0.163	153	5	30	
	391	452062	7308049	19	59	26	1	1	2.622	5	59	11	4.25	0.422	1	17	11	77	7.600	26	0.265	9	27	0.959	0.028	2	0.033	34	0.068	0.03	6	0.016	17	0.261	96	11	10	
	149	452122	7326566	5	58	22	2	1	2.280	5	70	7	2.66	0.220	1	16	10	44	4.330	27	0.155	16	17	0.499	0.010	1	0.023	10	0.040	0.01	3	0.076	10	0.234	77	6	7	
	562	452280	7319028	9	30	14	1	1	1.402	11	30	5	2.56	0.618	1	30	16	95	4.741	18	0.254	18	50	1.546	0.023	1	0.040	50	0.107	0.03	6	0.010	24	0.245	77	7	13	
	644	452499	7312008	13	33	24	1	1	2.350	5	34	14	6.42	0.310	1	14	8	81	8.106	25	0.116	16	13	0.516	0.017	2	0.030	24	0.057	0.22	6	0.011	14	0.238	89	14	7	
	626	452550	7327859	5	85	179	4	1	2.969	5	103	13	4.34	0.462	1	163	53	77	8.318	18	0.000	27	22	1.065	0.108	9	0.020	134	0.160	0.09	8	0.010	2	0.179	94	14	17	
	376	452620	7304393	19	23	10	3	1	2.354	5	26	7	12.07	0.408	1	32	4	44	4.624	34	0.088	18	9	0.257	0.015	1	0.028	9	0.039	0.05	5	0.019	19	0.366	89	14	10	
	561	452728	7318745	5	63	45	6	1	2.598	5	86	7	3.50	0.319	1	57	15	54	6.928	28	0.208	20	31	1.326	0.038	1	0.036	26	0.087	0.02	4	0.010	10	0.209	77	7	9	
	150	452804	7326598	15	35	10	1	1	2.271	5	41	12	11.25	0.174	1	10	7	54	6.928	28	0.208	20	31	1.326	0.038	1	0.036	26	0.087	0.02	4	0.010	10	0.209	77	7	9	
	510	452813	7328718	16	103	60	1	1	3.286	5	147	13	0.44	0.498	1	183	20	66	7.246	22	0.771	33	28	1.426	0.069	4	0.045	44	0.108	0.01	7	0.011	15	0.283	112	13	23	
	61	452844	7316745	12	67	19	2	1	2.859	5	32	7	5.63	0.363	1	45	14	53	5.200	25	0.104	15	31	0.956	0.019	2	0.030	23	0.118	0.04	5	0.014	16	0.282	89	6	10	
	113	452889	7315884	5	62	28	3	1	2.841	5	83	8	4.18	0.638	1	112	24	53	4.110	31	0.482	20	32	1.126	0.049	1	0.028	27	0.181	0.03	7	0.010	20	0.167	70	6	14	
	38	452961	7299998	5	92	50	5	1	3.622	5	187	14	3.39	0.638	1	10	55	141	9.331	35	0.000	17	22	1.371	0.218	1	0.020	103	0.080	0.02	13	0.082	43	0.162	135	12	13	
	89	452972	7324953	17	36	41	1	1	1.518	5	34	11	3.14	0.313	1	47	13	17	5.122	30	0.120	8	8	0.483	0.045	1	0.038	15	0.088	0.02	5	0.010	9	0.146	86	5	12	
	392	452982	7308120	21	35	11	2	1	2.568	5	38	12	6.55	0.175	1	12	8	66	9.780	21	0.137	1	15	0.461	0.020	1	0.027	18	0.028	0.04	4	0.023	10	0.331	115	19	6	
	318	452991	7298035	17	88	61	2	1	2.733	5	108	9	0.77	0.455	1	79	20	43	4.824	35	0.523	32	24	1.265	0.066	2	0.035	50	0.101	0.01	6	0.014	23	0.124	61	38	18	
	377	452993	7305958	18	49	28	3	1	2.885	5	73	12	8.40	0.434	1	54	34	74	9.743	24	0.239	12	19	0.702	0.136	3	0.032	23	0.080	0.05	7	0.010	16	0.257	103	15	16	
	40	452996	7298954	19	94	15	1	1	2.034	5	39	9	4.10	0.474	1	25	9	28	4.434	34	0.086	15	35	0.517	0.018	6	0.026	16	0.067	0.11	4	0.012	14	0.172	63	5	13	
	31	452998	7301009	8	74	43	1	1	2.476	5	76	10	3.27	0.459	1	79	13	53	4.825	45	0.301	46	30	1.059	0.052	2	0.033	44	0.079	0.06	8	0.010	17	0.148	65	7	26	
	378	453014	7305520	22	31	10	1	1	2.439	5	37	17	7.47	0.274	1	12	7	66	9.316	21	0.123	1	15	0.513	0.018	1	0.032	18	0.022	0.04	5	0.010	16	0.351	116	14	8	
	468	453021	7310013	25	22	17	4	1	1.202	5	31	10	4.47	0.129	1	19	7	22	4.759	27	0.152	5	6	0.263	0.022	5	0.020	12	0.026	0.02	3	0.015	10	0.328	141	12	4	
	112	453022	7315073	12	62	36	1	1	2.192	5	42	8	3.73	0.265	1	121	28	117	7.240	29	1.159	39	46	2.225	0.083	2	0.042	90	0.098	0.03	12	0.010	16	0.333	112	16	25	
	575	453022	7322995	22	75	47	1	1	2.453	5	87	7	1.03	0.373	1	171	18	41	4.492	38	0.455	29	26	1.272	0.066	1	0.033	44	0.067	0.01	8	0.010	17	0.179	79	29	29	
	168	453027	7323828	15	106	148	3	1	2.813	5	105	11	0.63	0.455	1	88	16	47	5.802	26	0.576	37	29	1.502	0.034	2	0.035	52	0.098	0.01	8	0.020	17	0.179	79	29	29	
	331	453029	7317841	11	67	65	1	1	2.648	5	73	9	1.25	0.523	1	132	23	54	4.888	28	0.279	30	28	1.269	0.084	1	0.034	57	0.112	0.01	8	0.010	23					

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East m	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppm	Al ppm	B ppm	Ba ppm	Be ppm	C ppm	Ca ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe ppm	Fines %	K ppm	La ppm	Li ppm	Mg ppm	Mn %	Mo ppm	Na ppm	Ni ppm	P ppm	S ppm	Sc ppm	Si ppm	Sr ppm	Ti ppm	V ppm	Zr ppm	Y ppm
560	453551	7318790	9	72	16	3	1	2.515	5	55	7	4.60	0.386	1	36	14	53	3.290	21	0.311	21	39	1.334	0.013	2	0.032	27	0.068	0.06	5	0.010	16	0.222	66	7	10
224	453561	7308705	14	44	18	1	1	2.110	5	44	7	3.19	0.241	1	91	9	42	4.174	52	0.210	22	19	0.675	0.027	1	0.028	22	0.041	0.03	4	0.010	14	0.168	59	6	16
344	453564	7302628	11	51	27	1	1	2.765	5	50	9	7.14	0.376	1	41	12	72	4.931	32	0.241	17	23	1.899	0.037	1	0.029	35	0.066	0.05	6	0.011	18	0.228	83	8	12
191	453687	7327438	33	197	132	2	1	2.843	5	99	17	1.77	0.622	1	211	58	73	10.019	24	0.335	50	25	1.426	0.174	7	0.031	103	0.231	0.02	13	0.021	17	0.265	157	15	33
743	453794	7328318	24	25	21	1	1	1.640	5	41	11	12.92	0.223	1	54	4	28	5.999	27	0.097	34	5	0.261	0.011	3	0.028	9	0.121	0.09	4	0.015	11	0.310	107	5	17
220	453863	7312971	8	44	26	4	1	2.578	5	35	7	3.46	0.224	1	43	8	40	4.394	60	0.161	15	14	0.610	0.025	1	0.030	21	0.053	0.02	6	0.064	13	0.130	53	13	9
88	453910	7325113	6	75	57	1	1	1.921	5	75	8	1.29	0.342	1	112	16	38	4.653	26	0.570	40	34	1.366	0.020	1	0.043	37	0.080	0.02	6	0.010	12	0.177	62	18	21
506	453914	7321900	17	90	32	6	1	2.799	5	58	11	2.70	0.251	1	154	21	51	5.430	40	0.239	20	27	0.919	0.060	1	0.030	28	0.078	0.02	6	0.014	14	0.194	79	9	18
567	453938	7323739	29	91	71	7	1	1.768	5	61	10	0.55	0.579	1	190	23	22	5.361	24	0.305	33	17	0.895	0.088	1	0.028	36	0.158	0.00	6	0.015	14	0.115	57	21	19
380	453940	7305905	14	60	35	2	1	2.819	5	48	8	2.77	0.355	1	136	11	37	3.938	43	0.203	19	17	0.672	0.028	2	0.025	23	0.086	0.03	6	0.095	26	0.148	43	16	13
60	453948	7316889	9	78	42	1	1	2.109	5	70	6	1.22	0.538	1	83	15	40	3.877	51	0.285	32	25	1.189	0.042	1	0.035	36	0.143	0.01	7	0.010	19	0.152	60	10	19
245	453953	7325926	7	75	67	2	1	3.005	5	96	8	4.01	0.442	1	74	22	69	4.869	35	0.509	44	27	1.150	0.038	5	0.037	45	0.133	0.06	9	0.010	17	0.204	96	7	22
343	453974	7302011	6	84	32	1	1	4.012	5	136	7	6.32	0.731	1	156	17	104	4.687	26	0.713	37	43	1.765	0.010	1	0.058	64	0.094	0.07	8	0.010	27	0.269	83	9	22
379	453983	7305235	20	53	25	14	1	2.078	5	31	10	3.92	0.234	1	21	8	46	5.233	39	0.125	10	11	0.566	0.020	4	0.021	21	0.067	0.01	4	0.015	18	0.204	72	7	8
559	453990	7318028	14	76	64	2	1	2.224	5	74	9	0.51	0.537	1	91	16	39	3.984	23	0.360	40	24	1.217	0.041	1	0.038	45	0.081	0.01	7	0.011	23	0.141	62	29	35
48	453995	7304023	5	77	19	2	1	2.302	5	66	6	2.85	0.453	1	14	13	37	3.529	29	0.551	9	21	1.325	0.026	2	0.078	20	0.039	0.02	8	0.010	10	0.208	102	3	7
219	454002	7312496	8	69	61	1	1	1.941	5	63	6	1.46	0.511	1	112	18	57	3.871	65	0.284	40	22	1.060	0.048	2	0.033	43	0.112	0.02	5	0.010	18	0.139	57	7	18
317	454004	7299011	19	44	34	8	1	2.960	5	23	14	8.19	0.241	1	146	9	66	7.526	35	0.130	59	12	0.570	0.026	3	0.024	17	0.106	0.04	6	0.014	12	0.163	66	11	31
348	454006	7311014	11	52	33	11	1	1.986	5	44	8	2.24	0.387	1	61	10	35	3.667	46	0.185	24	13	0.821	0.026	1	0.031	28	0.112	0.02	4	0.010	21	0.098	45	11	11
342	454008	7301006	14	34	23	7	1	2.505	5	63	6	16.86	0.574	1	55	7	61	4.395	36	0.133	28	8	0.350	0.023	1	0.046	22	0.087	0.07	6	0.021	18	0.325	122	6	12
242	454009	7321068	11	79	49	3	1	3.234	5	80	8	1.45	0.277	1	124	21	48	5.095	38	0.445	25	24	1.214	0.071	1	0.040	38	0.047	0.02	7	0.010	17	0.164	66	10	16
39	454010	7299673	29	79	66	3	1	2.706	5	74	8	2.64	0.377	1	86	19	37	4.275	45	0.304	25	21	0.952	0.066	1	0.029	40	0.104	0.02	6	0.017	22	0.108	48	24	14
464	454013	7302998	23	47	25	3	1	2.286	5	59	11	8.22	0.255	1	21	11	60	7.577	24	0.249	4	13	0.530	0.042	2	0.031	33	0.052	0.05	5	0.010	15	0.455	251	10	8
574	454013	7332020	5	70	45	2	1	2.963	5	81	6	1.41	0.437	1	66	14	49	3.812	45	0.488	31	23	1.264	0.026	1	0.044	40	0.087	0.01	6	0.010	18	0.162	61	16	18
111	454023	7314723	8	91	21	3	1	2.454	5	77	6	4.21	0.798	1	36	17	60	4.925	31	0.122	28	28	0.976	0.047	2	0.030	26	0.196	0.10	12	0.010	20	0.178	94	7	28
467	454024	7310033	10	88	62	4	1	2.628	5	90	7	0.76	0.336	1	76	20	42	4.750	16	0.412	28	21	1.204	0.056	1	0.037	46	0.096	0.01	8	0.013	22	0.131	60	32	14
393	454040	7308041	5	27	8	1	1	1.081	5	18	13	9.91	0.196	1	10	8	67	8.438	21	0.010	1	14	0.140	0.054	1	0.020	2	0.050	0.03	3	0.010	2	0.657	192	12	4
96	454054	7320185	14	51	22	7	1	2.124	5	62	5	4.61	0.239	1	34	8	36	3.591	31	0.300	17	14	0.724	0.017	2	0.031	19	0.070	0.03	5	0.011	13	0.154	67	7	9
637	454197	7327248	15	115	105	3	1	2.997	5	185	14	4.49	0.823	1	137	40	87	8.722	22	0.723	33	37	1.670	0.093	5	0.050	104	0.186	0.06	11	0.010	20	0.273	141	9	25
742	454396	7328088	19	33	22	1	1	2.334	5	47	13	14.05	0.137	1	106	2	16	6.988	27	0.168	56	4	0.266	0.025	5	0.023	4	0.127	0.08	7	0.011	9	0.320	59	6	28
225	454481	7308505	12	45	18	2	1	2.105	5	27	11	5.81	0.215	1	65	14	64	7.735	56	0.100	20	20	0.609	0.041	3	0.028	23	0.052	0.06	4	0.019	10	0.346	112	8	12
244	454630	7325940	8	63	52	1	1	2.502	5	74	11	6.58	0.350	1	49	13	51	4.922	30	0.348	19	23	1.110	0.033	2	0.032	37	0.092	0.17	6	0.027	11	0.259	96	6	13
507	454830	7321713	19	69	34	3	1	2.817	5	52	11	7.87	0.249	1	59	8	48	6.414	36	0.271	15	13	0.683	0.021	1	0.035	25	0.076	0.03	5	0.013	15	0.154	64	19	10
87	454845	7325094	6	48	21	3	1	2.266	5	46	7	4.17	0.257	1	27	10	53	4.774	23	0.306	8	17	0.864	0.019	1	0.027	28	0.064	0.03	4	0.010	10	0.333	111	7	5
566	454930	7323808	9	110	109	8	1	3.217	5	133	9	0.96	0.378	1	174	37	76	6.391	32	0.988	48	42	1.981	0.050	3	0.041	90	0.067	0.01	8	0.030	10	0.242	94	24	30
95	454942	7319854	15	54	42	2	1	1.791	5	53	6	1.67	0.345	1	74	11	29	3.009	48	0.267	32	18	0.859	0.021	1	0.036	25	0.099	0.02	5	0.010	14	0.135	54	6	15
340	454975	7302011	11	96	87	2	1	4.011	5	237	12	1.96	0.835	1	133	23	86	8.697	21	1.031	51	49	2.021	0.177	2	0.050	77	0.111	0.03	12	0.010	29	0.272	116	16	43
466	454975	7310028	8	73	49	1	1	2.456	5	63	8	1.22	0.451	1	116	16	44	4.250	35	0.285	23	18	1.075	0.043	1	0.037	37	0.105	0.07	6	0.012	25	0.139	60	15	14
557	454989	7318648	15	65	44	1	1	2.333	5	43	9	1.69	0.452	1	172	20	36	4.860	32	0.261	12	29	1.037	0.073	1	0.036	33	0.121	0.01	5	0.010	17	0.159	61	11	11
286	454990	7312955	14	99	49	4	1	1.830	5	155	13	3.86	1.104	1	18	61	27	11.140	16	0.415	2	21	1.137	0.190	1											

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East m	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppb	Al ppm	B ppm	Ba ppm	Be ppm	C ppm	Ca ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe ppm	Fines %	K ppm	La ppm	Li ppm	Mg %	Mn %	Mo ppm	Na ppm	Ni ppm	P ppm	S %	Sc ppm	Si ppm	Sr ppm	Ti %	V ppm	Zr ppm	Y ppm
573	455045	7323018	30	90	81	4	1	2.869	5	167	9	1.15	0.611	1	155	22	38	5.512	20	0.717	72	32	1.959	0.099	1	0.040	44	0.041	0.02	10	0.010	16	0.207	66	29	69
394	455051	7308043	19	20	17	1	1	2.446	5	26	16	7.84	0.145	1	20	5	62	10.303	21	0.073	2	9	0.297	0.011	3	0.023	11	0.029	0.14	4	0.044	10	0.270	97	12	7
59	455053	7316904	23	100	77	4	1	2.940	5	81	14	5.21	0.504	1	67	38	55	8.210	26	0.141	15	34	1.542	0.439	3	0.027	46	0.195	0.05	8	0.011	21	0.251	111	9	14
241	455091	7320853	16	88	32	2	1	2.401	5	48	11	6.08	0.215	1	61	15	40	5.678	27	0.208	25	25	0.883	0.060	2	0.029	27	0.159	0.11	9	0.014	11	0.191	78	7	19
385	455093	7304833	31	50	38	1	1	1.959	5	30	10	4.28	0.244	1	101	15	44	5.276	27	0.141	14	11	0.528	0.056	2	0.021	26	0.065	0.04	4	0.012	17	0.221	56	8	9
58	455097	7316424	9	48	22	5	1	2.230	5	35	7	2.68	0.295	1	70	9	42	4.055	61	0.164	14	17	0.714	0.021	1	0.033	20	0.063	0.02	5	0.010	15	0.122	49	6	8
311	455125	7299718	28	48	35	4	1	3.760	5	22	9	2.95	0.166	1	54	11	44	7.031	32	0.078	3	15	0.417	0.026	3	0.028	12	0.024	0.28	11	0.212	10	0.254	78	21	11
226	455155	7308414	20	87	24	4	1	3.094	5	57	11	4.22	0.371	1	85	26	92	6.993	45	0.220	13	49	1.312	0.086	2	0.031	46	0.052	0.02	5	0.010	14	0.349	110	11	11
741	455370	7327408	17	89	56	3	1	2.363	5	111	11	5.32	0.581	1	110	21	59	7.295	19	0.250	45	18	0.827	0.082	5	0.030	39	0.227	0.08	8	0.012	16	0.245	111	6	24
193	455372	7326374	25	144	160	5	1	2.813	5	211	11	4.32	0.975	1	143	44	94	6.858	45	0.677	68	37	1.894	0.094	5	0.042	100	0.189	0.07	13	0.010	27	0.250	144	8	53
638	455544	7326204	12	135	71	1	1	2.731	5	58	10	1.73	0.373	1	185	24	59	6.329	23	0.241	40	26	1.063	0.143	4	0.030	50	0.130	0.01	8	0.012	13	0.193	89	11	20
565	455775	7323860	7	129	10	7	1	2.589	5	148	5	4.55	0.509	1	49	9	90	2.756	13	0.582	25	22	1.502	0.011	1	0.048	27	0.090	0.10	7	0.011	12	0.274	113	6	14
200	455852	7327040	11	121	77	3	1	3.121	5	202	13	3.85	0.611	1	83	36	92	6.939	25	0.515	31	33	1.833	0.111	4	0.042	69	0.163	0.06	9	0.010	18	0.272	145	7	23
94	455878	7319040	5	52	30	1	1	1.461	5	68	4	0.76	0.526	1	47	14	34	2.458	52	0.361	24	19	0.942	0.036	1	0.042	24	0.110	0.01	4	0.010	13	0.132	47	7	13
93	455931	7319900	36	61	28	3	1	2.006	5	35	7	5.90	0.287	1	31	6	41	3.516	27	0.121	19	24	0.773	0.008	2	0.028	14	0.119	0.15	4	0.010	14	0.191	63	5	9
390	455954	7304133	9	77	31	1	1	5.530	5	51	13	8.57	0.328	1	146	17	130	10.655	30	0.314	16	50	1.579	0.046	4	0.033	54	0.049	0.05	8	0.010	16	0.347	124	15	15
312	455982	7300771	22	64	31	1	1	2.227	5	33	1	2.91	0.138	1	64	11	45	6.974	42	0.134	7	13	0.529	0.044	3	0.021	21	0.052	0.10	7	0.017	10	0.236	75	16	13
282	455992	7315983	8	43	23	1	1	1.605	5	46	6	1.97	0.350	1	45	7	27	2.780	71	0.269	23	12	0.715	0.014	1	0.031	19	0.077	0.01	4	0.014	16	0.096	39	15	13
465	455993	7310020	12	64	54	7	1	2.033	5	50	7	1.63	0.410	1	88	19	37	4.307	38	0.229	26	15	0.872	0.053	2	0.031	44	0.115	0.01	5	0.016	20	0.119	55	12	14
316	455996	7299016	5	61	19	1	1	4.540	5	21	17	9.07	0.020	1	10	13	88	11.234	20	0.000	10	53	0.926	0.026	1	0.010	2	0.025	0.04	6	0.010	2	0.391	166	25	7
283	455999	7314974	13	60	49	5	1	2.290	5	56	8	0.81	0.333	1	75	14	39	3.606	13	0.335	25	19	0.959	0.028	1	0.039	33	0.080	0.01	6	0.025	18	0.258	53	19	16
339	456000	7302009	5	74	22	1	1	3.489	5	98	17	6.92	0.465	1	10	81	121	10.904	29	0.000	27	25	1.227	0.318	1	0.010	48	0.130	0.08	9	0.010	19	0.236	108	13	18
462	456005	7303024	15	67	53	11	1	2.269	5	59	9	1.36	0.365	1	56	15	48	4.396	50	0.227	18	19	0.950	0.052	2	0.024	42	0.108	0.01	5	0.011	22	0.160	52	17	10
556	456012	7317955	8	109	32	2	1	2.865	5	57	8	2.05	0.590	1	66	32	54	4.775	33	0.148	31	36	1.403	0.083	1	0.036	43	0.130	0.05	8	0.010	18	0.187	66	11	25
281	456015	7316449	11	50	36	1	1	1.710	5	41	6	0.95	0.335	1	66	11	33	3.082	46	0.240	30	12	0.801	0.033	1	0.035	27	0.071	0.01	5	0.010	18	0.117	44	9	14
120	456016	7312859	8	51	103	1	1	2.575	5	47	9	3.94	0.449	1	23	10	48	4.579	31	0.210	11	14	0.805	0.015	2	0.040	23	0.118	0.02	6	0.010	18	0.142	68	6	8
572	456023	7323036	16	75	22	6	1	2.030	5	41	8	1.79	0.258	1	69	13	33	3.910	52	0.188	8	24	0.878	0.035	2	0.026	22	0.088	0.02	4	0.010	10	0.153	52	6	7
312	456024	7300019	5	74	42	1	1	3.338	5	40	15	7.07	0.323	1	10	18	51	9.476	26	0.000	17	17	1.138	0.011	1	0.010	2	0.042	0.05	6	0.082	2	0.241	95	10	8
345	456025	7311028	12	108	81	5	1	2.793	5	178	11	0.40	0.403	1	96	25	46	5.786	41	0.560	25	21	1.346	0.075	1	0.038	75	0.111	0.01	9	0.011	26	0.145	74	31	22
386	456036	7305008	19	70	51	2	1	2.586	5	108	10	5.22	0.472	1	82	18	75	6.419	27	0.504	28	26	1.103	0.104	2	0.034	42	0.090	0.06	7	0.012	20	0.219	82	9	18
382	456058	7306110	23	21	11	6	1	2.216	5	32	9	6.14	0.144	1	34	5	30	5.426	33	0.148	12	10	0.347	0.015	1	0.022	10	0.022	0.02	4	0.017	12	0.328	88	16	9
500	456116	7325740	5	95	46	2	1	3.678	5	55	17	9.74	0.264	1	136	74	124	11.293	17	0.000	59	28	0.994	0.234	1	0.020	31	0.142	0.09	9	0.010	2	0.400	172	11	30
395	456164	7308121	17	11	8	5	1	1.007	5	22	2	5.39	0.103	1	22	2	22	1.195	36	0.128	13	3	0.173	0.004	1	0.022	6	0.014	0.02	2	0.015	8	0.207	46	8	5
199	456325	7326773	11	99	65	1	1	2.195	5	205	8	2.06	0.858	1	63	26	68	4.830	36	0.626	23	24	1.522	0.063	2	0.033	54	0.198	0.03	7	0.010	19	0.195	115	7	15
285	456367	7314056	9	37	15	1	1	2.343	5	47	4	9.92	0.281	1	34	6	54	1.863	26	0.299	16	13	0.727	0.010	1	0.031	17	0.044	0.04	5	0.011	16	0.197	42	9	9
198	456386	7325475	8	117	58	1	1	2.834	5	187	9	4.21	0.504	1	86	28	97	6.611	35	0.650	34	33	1.687	0.066	3	0.038	59	0.134	0.06	10	0.010	16	0.295	139	7	24
3	456396	7307035	16	23	29	2	1	1.138	5	33	4	4.64	0.185	1	18	4	30	2.519	42	0.123	11	11	0.320	0.029	1	0.021	7	0.013	0.03	3	0.018	18	0.319	95	8	4
280	456415	7316929	11	42	34	2	1	2.315	5	24	13	4.79	0.122	1	17	7	29	6.303	32	0.103	1	13	0.318	0.013	1	0.020	11	0.021	0.03	4	0.025	14	0.220	58	14	5
387	456883	7304921	20	66	48	2	1	2.469	5	63	9	3.05	0.248	1	54	16	51	5.397	36	0.252	15	19	0.972	0.056	1	0.024	41	0.068	0.02	5	0.023	17	0.206	65	14	8
389	456883	7304178	19	50	51	2	1	2.936	5	80	14	10.65	0.361</																							

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Ti	V	Zr	Y	
Unit	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
Det.lim	(UTM zone 33)		5	2	1	1	1	0.01	5	1	0.2	0.01	0.01	1	10	1	1	0.01	1	1	1	0.01	0.2	1	0.02	2	0.01	0.2	0.01	2	0.01	1	1	0.2		
338	457008	7302028	15	89	77	1	1	3.418	5	196	12	1.58	0.710	1	125	25	90	7.347	27	0.952	27	40	1.716	0.198	1	0.044	67	0.118	0.01	10	0.010	31	0.242	100	19	23
315	457011	7300011	18	59	16	1	1	1.957	5	48	13	4.32	0.194	1	10	8	40	8.278	33	0.329	1	15	0.772	0.017	1	0.026	16	0.028	0.01	4	0.010	10	0.360	139	17	2
655	457012	7320963	9	74	47	1	1	2.849	5	75	10	3.10	0.134	1	62	6	32	6.165	27	0.619	28	31	1.244	0.010	5	0.035	12	0.095	0.07	5	0.017	6	0.186	81	22	16
384	457013	7307003	21	3	12	1	1	0.377	5	24	1	6.60	0.065	1	19	1	15	0.274	30	0.091	6	0.031	0.002	1	0.020	2	0.012	0.01	1	0.027	7	0.184	20	7	2	
571	457013	7323023	7	50	31	4	1	2.091	5	57	6	2.92	0.265	1	40	9	45	3.298	36	0.324	17	17	0.905	0.014	1	0.035	26	0.040	0.04	5	0.010	11	0.183	64	5	9
115	457051	7311956	14	48	38	4	1	3.321	5	30	9	8.74	0.218	1	88	12	38	5.591	22	0.169	41	15	0.633	0.022	3	0.025	24	0.067	0.06	8	0.011	13	0.178	62	14	15
653	457056	7318948	21	76	79	1	1	2.870	5	98	12	2.87	0.201	1	162	19	35	5.999	25	0.780	60	40	1.353	0.023	2	0.043	44	0.073	0.05	6	0.010	10	0.183	66	27	30
654	457074	7320063	7	106	138	4	1	3.512	5	127	9	0.77	0.348	1	226	31	54	5.676	23	1.083	70	55	2.073	0.032	2	0.054	64	0.091	0.01	7	0.013	10	0.225	82	34	23
424	457090	7322110	10	63	55	2	1	2.519	5	90	8	2.73	0.357	1	59	11	45	3.652	49	0.477	27	21	1.132	0.016	1	0.041	38	0.089	0.03	6	0.010	14	0.157	64	10	17
119	457135	7312936	9	28	43	1	1	0.979	5	18	5	0.51	0.563	1	60	11	59	2.278	30	0.097	22	6	0.297	0.042	1	0.029	22	0.184	0.02	4	0.013	23	0.062	25	12	15
121	457313	7309408	23	70	43	1	1	2.656	5	48	12	4.05	0.444	1	230	21	59	6.668	29	0.145	27	31	0.851	0.076	2	0.035	39	0.069	0.01	8	0.010	20	0.191	82	9	28
197	457399	7325179	25	95	60	3	1	3.172	5	42	14	4.17	0.366	1	153	34	104	10.346	45	0.190	4	37	1.293	0.071	3	0.030	74	0.091	0.03	7	0.014	11	0.295	129	11	11
516	457418	7325908	15	72	75	3	1	2.567	5	111	15	7.25	0.330	1	62	24	137	8.505	23	0.309	8	17	1.182	0.076	6	0.038	81	0.166	0.09	8	0.010	14	0.336	195	6	11
735	457656	7314833	6	46	69	2	1	1.657	5	48	6	1.37	0.488	1	150	17	27	3.985	18	0.370	55	18	0.821	0.038	1	0.033	35	0.150	0.01	5	0.010	16	0.120	47	23	21
388	457681	7304926	16	35	20	9	1	1.579	5	30	4	5.18	0.184	1	32	5	29	2.015	35	0.168	18	12	0.636	0.013	1	0.021	14	0.036	0.03	4	0.010	13	0.187	38	8	7
196	457908	7325128	12	105	70	1	1	2.652	5	111	11	6.00	0.487	1	102	40	79	6.260	16	0.281	50	26	1.134	0.043	4	0.033	66	0.132	0.08	11	0.010	12	0.310	129	7	26
118	457919	7312806	18	11	4	1	1	0.914	5	33	2	5.34	0.094	1	26	2	21	1.260	30	0.171	14	6	0.213	0.003	1	0.025	2	0.022	0.03	2	0.019	9	0.232	67	8	4
651	457942	7318910	16	70	52	16	1	2.773	5	85	10	1.35	0.302	1	129	20	43	5.381	26	0.740	49	36	1.561	0.024	2	0.038	41	0.110	0.04	5	0.012	8	0.208	72	10	17
325	457959	7304001	27	54	55	1	1	2.565	5	34	14	4.01	0.293	1	106	16	55	7.754	40	0.142	8	16	0.652	0.050	3	0.021	23	0.085	0.05	9	0.015	30	0.281	86	11	22
652	457974	7318099	18	66	43	4	1	2.790	5	73	9	7.42	0.163	1	96	11	42	4.559	25	0.593	57	31	1.271	0.009	2	0.033	24	0.118	0.08	6	0.011	8	0.252	68	15	15
43	457979	7301995	11	96	75	6	1	2.733	5	81	9	0.98	0.417	1	90	27	54	5.138	32	0.328	20	23	1.292	0.083	2	0.027	68	0.101	0.02	7	0.021	24	0.190	65	32	13
284	457997	7315614	19	64	46	7	1	2.747	5	50	9	4.75	0.243	1	162	12	47	5.205	24	0.349	51	30	1.156	0.013	3	0.034	30	0.095	0.05	6	0.010	9	0.209	83	9	30
125	457998	7308978	5	67	131	2	1	2.140	5	50	13	2.67	0.538	1	102	58	65	8.756	35	0.010	33	12	0.869	0.284	1	0.020	108	0.081	0.01	11	0.010	33	0.105	121	12	19
42	458000	7301004	38	53	28	1	1	2.539	5	46	15	4.44	0.134	1	24	10	48	9.977	28	0.168	1	19	0.530	0.025	1	0.024	26	0.042	0.03	5	0.023	11	0.303	107	20	4
116	458007	7312001	10	45	35	1	1	2.084	5	31	5	10.67	0.278	1	43	7	40	2.617	43	0.165	25	10	0.625	0.012	2	0.030	22	0.074	0.08	5	0.025	15	0.146	56	7	9
44	458010	7303014	24	111	122	5	1	3.146	5	100	15	1.05	0.338	1	124	48	62	8.312	30	0.433	27	29	1.382	0.126	3	0.035	85	0.091	0.02	9	0.020	19	0.221	89	29	24
423	458054	7322080	11	27	7	3	1	1.350	5	44	4	3.30	0.212	1	13	4	34	1.903	32	0.252	5	7	0.491	0.008	1	0.030	9	0.023	0.02	3	0.013	10	0.237	83	7	4
68	458079	7313836	17	74	52	1	1	2.753	5	95	10	3.01	0.159	1	34	7	33	6.350	38	0.761	22	23	1.468	0.020	2	0.043	12	0.073	0.05	6	0.010	11	0.236	75	23	11
519	458124	7325748	8	77	61	7	1	1.964	5	111	7	5.58	0.666	1	81	21	67	4.009	14	0.304	37	19	1.014	0.026	4	0.048	36	0.169	0.07	9	0.010	13	0.281	129	5	17
457	458153	7311296	5	59	84	3	1	2.592	5	44	8	3.12	0.332	1	155	14	32	4.033	38	0.321	74	29	0.957	0.014	1	0.031	38	0.109	0.08	7	0.011	16	0.151	54	11	42
337	458228	7307190	7	59	44	3	1	1.496	5	36	5	0.39	0.401	1	58	14	26	2.959	61	0.177	24	13	0.750	0.046	1	0.026	33	0.111	0.01	4	0.024	22	0.095	36	11	12
521	458413	7325023	29	57	54	1	1	2.207	5	48	14	12.43	0.245	1	61	12	87	7.991	21	0.206	16	11	0.694	0.022	6	0.028	32	0.119	0.09	6	0.018	10	0.327	151	8	13
122	458339	7309443	12	45	29	1	1	2.956	5	21	12	5.61	0.242	1	84	12	57	7.331	40	0.086	9	17	0.697	0.023	2	0.028	23	0.032	0.02	7	0.010	11	0.245	100	10	13
650	458751	7324748	22	53	95	5	1	2.065	5	99	10	4.32	0.625	1	104	55	96	8.224	24	0.371	40	20	1.055	0.147	3	0.023	88	0.155	0.02	6	0.010	32	0.309	102	14	16
117	458915	7312628	7	35	16	3	1	1.448	5	35	5	1.49	0.295	1	23	7	25	2.513	48	0.294	10	10	0.630	0.010	1	0.031	13	0.041	0.01	4	0.010	9	0.142	66	6	8
648	458922	7324081	23	32	49	3	1	3.045	5	36	16	8.74	0.254	1	70	8	74	11.480	22	0.129	19	12	0.535	0.012	3	0.030	25	0.074	0.07	7	0.014	10	0.500	191	10	18
649	458933	7324453	5	81	69	1	1	3.295	5	109	19	7.17	0.317	1	170	37	111	9.208	14	0.726	30	16	1.308	0.025	1	0.020	102	0.121	0.06	9	0.432	2	0.258	181	11	24
194	458941	7313816	6	37	31	1	1	2.058	5	34	6	6.99	0.216	1	113	6	28	3.321	31	0.207	55	18	0.687	0.009												

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Unit	Sample no	East m	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppm	Al ppm	B ppm	Ba ppm	Be ppm	C ppm	Ca ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe ppm	Fines %	K ppm	La ppm	Li ppm	Mg ppm	Mn %	Mo ppm	Na ppm	Ni ppm	P ppm	S %	Sc ppm	Si ppm	Sr %	Ti %	V ppm	Zr ppm	Y ppm
Det.lim	909	459231	7325830	5	62	55	1	1	1	4.190	5	131	11	0.438	1	57	34	173	7.630	13	0.645	22	30	1.650	0.062	3	0.045	104	0.101	10	0.013	11	0.222	127	7	11	
	517	459276	7324740	19	114	169	3	1	2.810	5	247	19	3.13	1.275	1	176	59	83	12.632	17	1.394	70	38	2.146	0.102	5	0.046	176	0.099	0.14	12	0.013	18	0.269	130	17	55
	518	459342	7324059	15	107	55	4	1	3.308	5	180	11	4.92	0.622	1	126	32	82	7.612	14	0.643	27	32	1.569	0.071	4	0.040	57	0.129	0.06	8	0.010	15	0.297	141	11	19
	123	459418	7309489	15	111	50	1	1	3.146	5	37	10	2.46	0.378	1	165	29	73	6.433	37	0.145	34	28	1.197	0.104	3	0.035	44	0.119	0.03	10	0.011	17	0.217	100	8	20
	421	459505	7322808	14	56	53	4	1	2.552	5	59	10	4.51	0.303	1	67	11	41	5.493	30	0.347	38	17	0.729	0.012	3	0.033	28	0.068	0.05	6	0.014	9	0.197	82	9	19
	908	459510	7325510	5	105	77	1	1	3.420	5	177	13	0.768	1	134	27	100	5.390	13	0.663	56	32	1.610	0.047	4	0.044	63	0.183	13	0.010	17	0.274	124	8	45		
	514	459591	733476	23	94	130	6	1	3.245	5	218	17	1.30	0.644	1	293	48	78	10.898	26	1.152	59	32	1.784	0.143	7	0.040	145	0.129	0.01	11	0.016	15	0.217	138	22	37
	69	459842	7331208	20	69	35	1	1	3.267	5	63	12	4.29	0.173	1	64	18	43	8.639	61	0.505	24	37	1.250	0.031	2	0.033	33	0.078	0.04	5	0.010	9	0.262	83	17	8
	907	459933	7325881	5	58	60	1	2.290	5	56	7	0.752	1	75	37	72	3.350	17	2.239	18	22	0.966	0.083	2	0.043	54	0.178	6	0.010	13	0.216	78	4	11			
	455	459937	7310828	6	50	36	4	1	1.511	5	44	6	0.57	0.396	1	59	10	27	2.665	45	0.254	21	12	0.730	0.029	2	0.031	29	0.119	0.01	5	0.010	22	0.118	44	9	11
	420	459976	7322646	9	57	67	4	1	1.855	5	84	7	1.21	0.585	1	106	16	32	3.481	14	0.550	33	20	0.913	0.036	1	0.037	38	0.160	0.01	5	0.023	11	0.135	56	11	19
	454	459979	7312028	16	72	67	4	1	2.747	5	67	11	1.29	0.593	1	127	17	75	5.970	34	0.474	39	26	1.299	0.054	2	0.040	49	0.107	0.01	8	0.010	27	0.192	76	18	19
	906	459983	7326163	6	91	51	1	3.280	5	84	9	0.433	1	45	14	96	6.050	15	0.479	27	28	1.410	0.014	4	0.037	33	0.148	8	0.010	12	0.352	138	6	13			
	328	459985	7304008	5	91	46	4	1	2.861	5	33	14	8.60	0.360	1	10	23	49	8.693	27	0.112	12	16	0.788	0.036	1	0.164	55	0.135	0.04	6	0.010	2	0.175	115	10	10
	327	459990	7305028	14	64	30	2	1	3.206	5	39	10	3.39	0.232	1	109	11	47	4.628	33	0.138	13	18	0.679	0.030	1	0.024	28	0.068	0.04	6	0.053	20	0.161	55	9	10
	335	459995	7306033	28	82	66	5	1	2.701	5	59	10	0.83	0.454	1	146	25	42	5.131	30	0.225	30	23	1.070	0.078	1	0.028	54	0.099	0.01	6	0.010	32	0.151	55	23	17
	441	459995	7321011	20	66	11	3	1	2.460	5	22	11	1.61	0.538	1	136	36	56	5.733	21	0.539	32	27	1.162	0.087	2	0.042	93	0.152	0.01	6	0.010	11	0.206	82	18	17
	289	459999	7308988	26	17	8	1	1.164	5	22	2	9.46	0.153	1	20	1	35	0.619	31	0.051	8	3	0.140	0.003	2	0.025	7	0.041	0.05	4	0.023	9	0.413	106	3	5	
	47	460001	7302018	30	49	21	8	1	1.738	5	39	9	3.44	0.140	1	43	16	30	4.240	49	0.138	9	12	0.473	0.057	2	0.021	19	0.041	0.02	4	0.015	14	0.239	61	8	9
	329	460015	7302993	16	94	53	3	1	2.804	5	73	11	1.08	0.292	1	69	17	64	5.481	43	0.293	19	27	1.342	0.047	1	0.027	67	0.058	0.01	6	0.012	22	0.191	69	29	10
	513	460090	7323076	14	81	41	1	1	4.068	5	97	18	5.86	0.252	1	44	19	137	13.424	21	0.590	1	25	1.443	0.030	5	0.028	52	0.079	0.03	9	0.012	10	0.369	181	10	14
	812	460407	7323739	5	81	66	4	1	3.560	5	80	10	0.363	1	132	10	171	3.660	15	0.363	94	29	1.260	0.010	4	0.044	22	0.125	10	0.010	9	0.281	121	6	40		
	904	460436	7326013	22	104	143	1	1	3.000	5	170	18	4.42	1	150	61	79	10.000	21	1.080	29	32	1.650	0.096	7	0.046	178	0.120	7	0.010	13	0.225	114	18	30		
	905	460466	7326329	5	93	107	1	1	3.960	5	167	17	4.56	0.710	1	188	33	65	5.799	30	0.666	72	30	1.343	0.046	5	0.052	75	0.141	11	0.010	20	0.302	136	11	29	
	419	460471	7322566	18	96	108	4	1	2.652	5	134	12	4.56	0.170	1	86	37	108	8.060	15	0.945	20	32	1.780	0.030	5	0.046	74	0.126	0.07	8	0.010	15	0.219	101	11	40
	290	460507	7309378	9	28	12	1	1	1.552	5	23	11	2.50	0.167	1	16	5	37	5.320	44	0.096	3	5	0.308	0.015	1	0.026	9	0.032	0.02	5	0.011	15	0.205	69	6	7
	330	460747	7304160	17	86	34	1	1	2.754	5	49	10	1.88	0.405	1	93	20	53	5.617	43	0.156	13	26	1.113	0.062	1	0.027	51	0.132	0.01	5	0.021	26	0.155	68	18	8
	54	460877	7312060	16	52	34	1	1	1.889	5	53	5	1.96	0.327	1	61	9	33	3.394	44	0.316	24	15	0.825	0.022	2	0.035	26	0.092	0.01	5	0.011	17	0.124	52	8	12
	903	460939	7326168	20	118	130	1	1	3.530	5	260	15	0.881	1	164	44	85	9.410	15	1.060	58	42	2.250	0.120	4	0.049	115	0.129	13	0.010	22	0.327	155	15	47		
	440	460975	7320974	6	71	65	3	1	2.491	5	92	9	1.98	0.513	1	88	19	62	4.505	29	0.652	29	29	1.445	0.034	1	0.045	62	0.128	0.01	6	0.010	12	0.206	82	12	18
	902	460978	7326413	12	120	79	4	1	3.810	5	193	14	0.804	1	111	27	99	5.950	17	0.867	38	43	2.140	0.068	3	0.053	64	0.130	11	0.010	20	0.302	136	11	29		
	288	460995	7308995	21	66	39	2	1	2.450	5	43	8	1.64	0.537	1	53	12	39	3.362	44	0.189	33	32	0.830	0.020	1	0.035	49	0.104	0.02	6	0.016	25	0.125	48	6	24
	334	461007	7306059	12	82	23	8	1	3.056	5	87	9	10.68	0.265	1	32	8	57	7.394	21	0.747	20	29	1.522	0.007	3	0.049	17	0.041	0.11	5	0.010	11	0.229	119	18	9
	100	461010	7322534	11	53	93	2	1	1.712	5	123	6	0.78	0.940	1	73	24	75	3.361	32	0.597	31	22	1.153	0.042	2	0.061	63	0.172	0.10	6	0.010	16	0.166	63	7	19
	813	461013	7323976	11	103	50	1	1	3.240	5	169	13	0.948	1	76	17	88	7.160	9	1.020	23	33	1.800	0.018	3	0.061	43	0.133	11	0.010	15	0.290	137	16	22		
	331	461082	7304806	24	43	24	1	1	1.576	5	50	9	1.85	0.181	1	57	9	26	4.065	40	0.201	17	11	0.481	0.030	2	0.021	20	0.061	0.01	3	0.012	17	0.146	53	14	6
	55	461107	7311126	13	34	22	1	1	1.804	5	27	8	3.91	0.211	1	57	6	35	3.571	38	0.162	30	18	0.728	0.009	2	0.028	13	0.061	0.04	5	0.010	14	0.159	57	7	10
	991	461439	7309374	5	37	17	3	1	2.159	5	24	14	3.63	0.183	1	10	11	49	9.310	35	0.092	1	10	0.372	0.027	3	0.034	47	0.068	0.02	6	0.010	14	0.306	120	10	17
	850	461503	7326576	11	68	35	9	1	2.410	9	41	7	0.383	1	44	13	57	4.250	15	0.316	28	23	1.190	0.017	2	0.031	33	0.081	5	0.026	15	0.221	90	10	10		
	901	461552	7326344	9	64	48	6	1	2.450	5	79																										

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East m	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppm	Al ppm	B ppm	Ba ppm	Be ppm	C ppm	Ca ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe ppm	Fines %	K %	La ppm	Li ppm	Mg %	Mn %	Mo ppm	Na ppm	Ni ppm	P ppm	S %	Sc ppm	Si %	Sr ppm	Ti %	V ppm	Zr ppm	Y ppm
911	462061	7326401	11	71	158	1	1	2.570	5	168	10	5.02	0.408	1	118	53	91	6.840	14	0.857	45	30	1.460	0.068	4	0.047	111	0.166	11	0.010	14	0.262	116	11	26	
459	462165	7310024	11	63	37	1	1	3.110	5	55	13	5.02	0.408	1	129	15	70	6.153	35	0.244	50	22	0.798	0.040	1	0.033	34	0.103	0.05	8	0.010	20	0.191	71	8	33
815	462177	7324369	20	91	55	1	1	3.200	5	212	15	0.687	1	185	31	107	9.300	11	0.784	46	36	1.650	0.207	2	0.034	68	0.168	12	0.015	15	0.284	142	10	36		
862	462299	7322171	15	65	61	9	1	2.460	5	81	8	0.402	1	138	18	43	4.650	25	0.513	46	24	1.190	0.028	1	0.041	40	0.122	6	0.010	13	0.212	73	11	19		
913	462494	7326916	5	111	17	1	1	4.050	5	139	16	0.625	1	161	26	83	6.770	17	0.652	29	56	2.110	0.071	1	0.043	76	0.098	5	0.010	22	0.305	99	8	10		
912	462521	7326540	5	86	62	4	1	3.050	5	132	8	0.680	1	63	24	92	4.970	14	0.602	37	40	1.790	0.040	4	0.041	52	0.106	12	0.017	21	0.291	101	10	25		
816	462759	7324393	5	84	52	2	1	3.590	5	116	17	6.94	0.237	1	10	10	63	6.880	42	0.065	7	37	1.470	0.112	3	0.035	65	0.120	6	0.010	13	0.267	96	9	10	
57	462760	7310833	11	48	18	1	1	3.769	5	23	13	6.94	0.237	1	10	10	63	6.880	42	0.065	7	37	1.470	0.112	3	0.035	65	0.120	6	0.010	13	0.267	96	9	10	
524	462761	7308053	16	6	5	3	1	0.829	13	30	1	6.54	0.082	1	19	1	20	0.539	55	0.130	10	3	0.125	0.003	1	0.020	3	0.010	0.03	2	0.072	8	0.209	58	10	3
863	462887	7321875	5	66	49	4	1	2.450	5	92	5	0.485	1	84	13	46	3.050	28	0.576	44	27	1.260	0.019	1	0.047	34	0.115	7	0.010	14	0.184	63	8	21		
861	462902	7322964	24	85	61	11	1	2.510	5	54	10	1.94	0.194	1	63	9	45	8.570	19	0.345	40	19	1.020	0.022	12	0.033	19	0.129	6	0.010	10	0.247	118	9	17	
460	462915	7309928	6	65	45	4	1	2.256	5	55	6	1.90	0.375	1	75	11	44	4.389	39	0.306	27	17	0.934	0.027	2	0.036	34	0.086	0.02	5	0.018	19	0.120	52	14	13
293	462984	7309036	9	51	34	1	1	2.419	5	36	7	2.78	0.270	1	61	11	46	4.639	49	0.150	39	16	0.688	0.024	1	0.031	27	0.029	0.02	6	0.020	17	0.198	66	9	22
914	462990	7306983	6	48	131	7	1	2.080	5	49	6	0.769	1	63	19	64	2.840	20	0.204	24	23	0.982	0.030	1	0.061	38	0.173	6	0.010	13	0.211	70	3	11		
915	462994	7326428	10	59	33	4	1	2.520	5	77	6	0.553	1	56	11	58	3.320	31	0.387	27	22	1.100	0.021	2	0.046	32	0.116	6	0.010	20	0.185	67	7	15		
820	463008	7323779	17	29	9	4	1	1.880	6	70	5	0.266	1	24	5	27	2.430	31	0.308	14	10	0.556	0.009	1	0.034	9	0.045	4	0.042	15	0.211	72	6	8		
817	463294	7324609	15	90	83	9	1	3.180	5	208	14	1.680	1	295	37	105	7.830	13	0.754	75	40	1.920	0.100	4	0.046	71	0.140	11	0.010	29	0.269	131	9	44		
916	463470	7326513	5	73	60	1	1	3.030	5	94	11	0.473	1	67	16	53	4.250	25	0.491	17	23	1.160	0.035	2	0.048	44	0.113	7	0.010	21	0.199	78	11	15		
917	463575	7326713	5	60	33	4	1	2.870	5	76	8	0.404	1	45	12	54	3.700	47	0.374	24	21	1.060	0.020	2	0.045	37	0.059	6	0.010	19	0.181	67	8	16		
461	463715	7310588	11	41	30	3	1	2.372	5	27	8	5.07	0.295	1	48	12	48	5.266	25	0.112	12	9	0.383	0.036	1	0.031	15	0.047	0.04	6	0.030	13	0.223	79	7	16
864	463918	7321020	14	76	78	7	1	2.770	5	108	10	0.295	1	127	19	36	4.540	26	0.847	46	34	1.420	0.021	2	0.045	40	0.094	5	0.010	11	0.199	68	31	18		
818	463978	7324595	26	88	126	2	1	2.510	5	176	9	0.862	1	108	46	81	5.550	31	0.760	38	33	1.590	0.052	3	0.054	93	0.157	9	0.015	15	0.274	122	9	19		
127	463987	7310371	5	99	60	3	1	2.848	5	95	6	4.35	0.496	1	111	23	71	2.959	35	0.521	43	35	1.497	0.017	3	0.043	57	0.090	0.09	8	0.010	17	0.209	91	9	24
868	463993	7322996	5	62	56	6	1	2.650	5	71	10	0.444	1	82	12	41	3.900	21	0.460	25	23	0.995	0.023	2	0.043	32	0.148	5	0.010	15	0.161	66	8	13		
918	463998	7326803	5	56	34	1	1	2.230	5	59	6	0.453	1	45	11	56	3.420	30	0.276	21	22	0.898	0.021	3	0.037	31	0.094	9	0.010	15	0.184	69	5	13		
819	464012	7324076	13	75	18	4	1	3.570	5	247	10	0.668	1	78	22	114	4.940	9	1.180	29	40	2.230	0.122	1	0.044	62	0.126	7	0.010	18	0.324	96	9	17		
865	464015	7322051	11	83	172	6	1	3.490	5	126	11	0.568	1	156	29	51	5.500	22	1.090	52	38	2.000	0.032	2	0.072	54	0.142	8	0.010	13	0.260	100	29	23		
919	464035	7326470	11	74	119	6	1	2.330	5	111	10	0.665	1	169	35	50	5.020	20	0.557	33	22	1.090	0.062	3	0.046	91	0.136	7	0.010	20	0.178	76	8	18		
818	464491	7310388	6	87	34	6	1	2.807	5	65	5	3.75	0.606	1	55	11	65	2.544	38	0.324	33	35	1.495	0.009	1	0.041	31	0.072	0.23	6	0.010	18	0.209	73	8	18
894	464707	7328038	29	81	59	6	1	2.070	5	55	8	0.540	1	83	16	36	4.490	23	0.278	28	15	0.703	0.051	2	0.036	39	0.149	5	0.014	18	0.135	58	16	15		
844	464830	7324103	11	57	30	1	1	3.250	5	122	13	0.430	2	118	18	84	5.530	18	0.597	20	31	1.350	0.113	3	0.041	41	0.092	8	0.010	15	0.228	96	9	17		
893	464848	7328841	5	54	43	1	1	6.660	5	137	23	0.385	1	21	11	105	12.200	23	0.667	1	31	1.330	0.030	2	0.069	34	0.026	9	0.068	17	0.508	152	18	11		
895	464879	7326998	7	49	36	1	1	1.990	5	52	6	0.561	1	58	12	33	2.570	32	0.263	20	14	0.603	0.031	1	0.056	37	0.134	5	0.029	19	0.108	37	12	14		
842	464962	7325990	12	55	39	1	1	1.910	5	48	7	0.539	1	71	14	33	2.730	26	0.258	23	18	0.841	0.044	1	0.051	28	0.113	6	0.012	20	0.125	49	6	16		
866	464978	7322235	12	63	52	3	1	2.530	5	74	7	0.315	1	102	13	35	3.630	28	0.552	57	36	1.200	0.017	1	0.046	29	0.110	5	0.010	11	0.178	62	10	17		
867	464980	7322873	5	53	26	3	1	2.750	5	66	9	0.205	1	65	13	48	4.540	28	0.554	25	31	1.300	0.015	2	0.036	29	0.079	6	0.010	6	0.229	95	8	9		
129	465011	7310099	28	89	29	5	1	3.247	5	60	12	1.28	0.611	1	160	41	100	7.287	36	0.199	41	43	1.430	0.164	6	0.029	57	0.095	0.00	9	0.065	26	0.182	98	20	26
297	465096	7312923	17	83	28	3	1	2.470	5	57	11	3.09	0.225	1	102	13	46	5.320	40	0.240	34	17	0.746	0.033	2	0.028	27	0.091	0.06	6	0.012	15	0.171	73	7	25
298	465109	7312324	11	56	23	1	1	1.570	5	108	3	11.04	0.582	1	70	6	27	1.574	25	0.369	33	19	0.658	0.021	3	0.027	18	0.087	0.21	5	0.011	69	0.234	46	10	17
843	465127	7325016	6	69	48	6	1	2.500	5	97	8	0.552	1	69	14	58	4.500	23	0.341	61	30	1.070	0.026	4	0.039	47	0.109	7	0.021	18	0.167	66	5	35		
299	465394	7311940	13	91	63	4	1	2.525	5	78	7	1.11	0.371	1	52	13	41	4.955	31	0.444	27	20	1.139	0.027	1	0.033	50	0.090	0.00	6	0.010	22	0.136	59	29	15

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Unit	Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Tl	V	Zr	Y	
Det.lim	m	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	
294	466126	7312123	14	54	29	1	1	1	1.817	5	35	7	2.26	0.284	1	35	9	50	3.536	44	0.121	26	14	0.588	0.016	2	0.029	28	0.080	0.03	8	0.027	15	0.172	67	4	20
847	466177	7326118	29	84	18	1	1	1	2.950	5	66	13	0.401	0.401	1	90	16	37	5.600	24	0.321	12	23	1.200	0.054	2	0.037	22	0.073	5	0.010	15	0.279	91	8	12	
474	466263	7315030	14	87	68	4	1	1	2.906	5	115	11	2.20	0.580	1	87	20	52	5.960	33	0.881	36	33	1.648	0.045	2	0.048	49	0.129	0.12	8	0.010	14	0.209	89	17	24
76	466432	7310820	15	54	37	2	1	1	2.175	5	37	9	3.64	0.286	1	83	12	47	6.394	43	0.219	15	11	0.666	0.030	2	0.029	33	0.080	0.03	7	0.010	16	0.175	59	10	11
75	466447	7312453	16	85	79	2	1	1	2.603	5	55	11	2.36	0.452	1	397	38	52	5.822	56	0.323	48	25	0.923	0.095	2	0.035	66	0.135	0.01	8	0.010	16	0.146	67	10	35
132	466578	7310378	17	47	26	2	1	1	1.946	5	26	13	3.28	0.157	1	41	19	44	6.123	55	0.111	15	8	0.398	0.078	2	0.027	24	0.050	0.04	5	0.014	10	0.254	93	7	16
72	466607	7313868	8	61	71	3	1	1	1.548	5	39	6	0.90	0.690	1	35	29	86	3.362	34	0.209	11	16	0.993	0.064	2	0.045	96	0.134	0.02	6	0.010	12	0.187	77	5	13
74	466763	7312913	18	11	4	5	1	1	0.718	5	26	2	4.23	0.103	1	15	1	16	0.989	46	0.117	9	3	0.142	0.004	1	0.022	4	0.037	0.01	2	0.016	9	0.105	41	3	4
475	466839	7314686	11	58	40	3	1	1	2.621	5	53	8	4.53	0.325	1	74	11	49	4.113	41	0.379	30	24	0.993	0.017	2	0.033	25	0.108	0.06	6	0.010	13	0.174	66	7	17
849	466918	7326904	21	86	36	4	1	1	3.470	5	86	11	6.86	0.294	1	156	23	61	5.430	22	0.413	88	52	1.500	0.054	1	0.047	42	0.091	13	0.010	20	0.360	82	10	67	
73	466971	7313468	20	57	15	3	1	1	2.350	5	60	11	6.86	0.294	1	88	18	60	6.103	26	0.407	11	15	0.981	0.093	1	0.036	22	0.076	0.07	7	0.010	15	0.296	91	9	10
848	467000	7326120	8	64	31	2	1	1	2.350	5	71	11	6.86	0.294	1	50	12	54	4.290	22	0.420	17	22	1.020	0.019	1	0.036	35	0.089	5	0.035	13	0.223	80	6	10	
476	467030	7314083	10	76	56	5	1	1	2.470	5	50	6	3.45	0.458	1	103	18	40	4.141	30	0.324	22	16	0.857	0.043	2	0.038	41	0.119	0.04	6	0.012	19	0.117	50	11	12
480	467113	7311915	20	39	32	1	1	1	2.399	5	25	14	4.27	0.168	1	60	9	54	7.857	39	0.129	4	9	0.426	0.024	3	0.026	16	0.045	0.03	7	0.025	10	0.270	102	12	13
229	467148	7310433	5	52	21	1	1	1	2.333	44	33	15	5.13	0.168	1	10	11	59	9.480	77	0.000	1	9	0.540	0.032	1	0.020	20	0.067	0.05	5	0.111	2	0.285	102	14	5
227	467234	7311988	16	67	38	4	1	1	2.516	5	38	9	4.22	0.218	1	74	12	61	6.647	45	0.222	18	15	0.910	0.019	2	0.026	33	0.055	0.03	6	0.014	14	0.191	63	12	13
878	467238	7312904	16	42	30	4	1	1	2.665	5	33	11	4.45	0.225	1	74	9	64	5.574	39	0.182	14	11	0.551	0.017	2	0.028	22	0.071	0.02	6	0.015	12	0.141	56	8	12
884	467357	7328099	20	47	21	1	1	1	1.200	5	24	11	4.45	0.277	1	43	10	64	7.210	40	0.088	12	14	0.570	0.016	2	0.029	22	0.060	8	0.229	12	0.240	87	16	14	
228	467619	7311428	10	65	36	2	1	1	2.448	5	42	10	3.36	0.516	1	49	18	59	6.158	84	0.139	8	27	0.828	0.030	2	0.047	40	0.062	0.03	5	0.010	17	0.282	85	12	9
477	467655	7313585	6	60	61	2	1	1	2.544	5	21	7	3.24	0.599	1	84	28	91	4.033	30	0.103	17	22	0.953	0.042	3	0.062	58	0.116	0.01	7	0.017	12	0.155	80	5	11
479	467745	7312193	19	54	30	2	1	1	2.832	5	37	11	9.27	0.187	1	21	11	60	9.770	30	0.178	5	10	0.636	0.026	2	0.031	27	0.069	0.05	7	0.010	12	0.221	75	17	9
230	467977	7310324	5	31	13	1	1	1	3.199	5	23	9	7.62	0.286	1	22	6	49	7.246	59	0.152	8	10	0.462	0.024	2	0.037	4	0.104	0.07	9	0.026	7	0.142	86	10	14
889	467981	7328096	6	107	83	1	1	1	3.700	5	154	11	6.21	0.621	1	93	17	55	4.300	39	0.647	28	28	1.280	0.044	2	0.062	64	0.113	7	0.033	26	0.212	75	20	19	
483	468011	7315035	25	71	35	1	1	1	2.072	5	46	6	1.71	0.345	1	63	12	35	3.509	40	0.287	20	14	0.833	0.042	1	0.037	20	0.095	0.03	6	0.010	16	0.176	61	6	15
482	468030	7314040	9	60	44	5	1	1	2.371	5	48	6	2.69	0.345	1	148	11	41	3.501	40	0.256	24	15	0.785	0.025	2	0.031	26	0.073	0.00	7	0.014	17	0.121	47	8	17
77	468093	7311098	17	76	25	5	1	1	2.489	5	52	11	3.79	0.281	1	143	21	61	5.751	54	0.241	19	19	0.911	0.051	2	0.028	36	0.066	0.05	5	0.011	16	0.187	72	8	14
880	468114	7326443	18	71	49	3	1	1	2.880	5	119	13	3.79	0.281	1	61	5	32	8.490	20	0.987	44	41	1.380	0.004	3	0.043	8	0.084	5	0.010	19	0.252	85	45	13	
484	468229	7315824	5	8	1	2	1	1	0.393	5	20	1	1.58	0.064	1	12	1	7	0.933	49	0.075	7	2	0.047	0.002	1	0.020	2	0.009	0.01	1	0.019	6	0.095	45	7	2
78	468906	7311171	9	61	42	2	1	1	2.417	5	51	6	3.60	0.380	1	65	9	45	3.531	41	0.273	26	18	0.878	0.016	2	0.035	28	0.110	0.03	5	0.012	19	0.114	53	7	11
887	468946	7328073	13	43	50	6	1	1	3.340	5	49	8	0.492	0.186	1	76	7	40	4.320	64	0.227	43	18	0.625	0.012	6	0.039	19	0.096	6	0.029	11	0.179	70	6	14	
881	468947	7327259	5	48	14	1	1	1	1.970	5	71	4	3.50	0.160	1	62	8	29	2.460	30	0.549	37	26	0.953	0.020	1	0.050	18	0.129	4	0.018	17	0.133	44	18	15	
755	468947	7316073	16	10	5	2	1	1	0.689	5	23	2	3.50	0.160	1	21	2	18	1.013	35	0.097	10	26	1.354	0.082	1	0.029	2	0.037	0.02	3	0.012	8	0.175	53	4	4
485	468980	7315054	5	70	71	1	1	1	3.316	5	65	10	1.51	0.668	1	61	46	130	5.090	25	0.480	10	26	1.354	0.082	1	0.032	85	0.209	0.01	10	0.010	15	0.180	140	11	16
481	468992	7314059	11	61	83	1	1	1	2.588	5	76	12	6.12	0.527	1	65	15	64	6.509	26	0.483	20	18	1.011	0.033	4	0.047	46	0.087	0.04	8	0.010	12	0.210	107	12	20
876	468998	7326030	5	45	22	3	1	1	1.690	5	95	7	0.42	0.666	1	108	19	33	3.938	34	1.200	52	34	1.549	0.033	1	0.074	36	0.136	0.02	6	0.010	20	0.164	66	32	23
752	469074	7317224	17	76	68	5	1	1	2.449	5	141	5	0.15	0.681	1	104	19	40	3.369	38	1.312	52	27	1.744	0.035	1	0.077	37	0.148	0.01	7	0.010	12	0.165	65	18	24
80	469085	7310433	11	26	45	4	1	1	2.391	5	16	9	8.63	0.207	1	40	8	85	6.484	44	0.084	20	9	0.600	0.009	2	0.027	30	0.029	0.03	5	0.012	9	0.178	118	8	13
153	469127	7313461	13	62	31	3	1	1	2.096	5	21	6	3.06	0.317	1	76	10	47	4.392	52	0.123	42	15	0.977	0.018	2	0.025	24	0.079	0.02	4	0.010	12	0.126	54	17	10
753	469153	7316768	12	70</																																	

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East m (UTM zone 33)	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppm	Al %	B ppm	Ba ppm	Be ppm	C %	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe %	Fines %	K %	La ppm	Li ppm	Mg %	Mn %	Mo ppm	Na %	Ni ppm	P %	S %	Sc ppm	Si ppm	Sr ppm	Ti %	V ppm	Zr ppm	Y ppm
551	470137	7315123	8	31	10	1	1	1.517	5	29	5	4.45	0.440	1	49	6	41	1.964	28	0.132	22	15	0.661	0.009	1	0.045	14	0.065	0.04	5	0.010	11	0.185	63	5	12
875	470146	7324753	7	98	55	11	1	3.270	5	260	10		0.958	1	99	22	49	4.890	48	1.680	43	54	1.930	0.040	1	0.090	51	0.098		7	0.010	28	0.220	83	33	20
829	470203	7328498	7	12	20	64	1	1.524	5	18	5	1.127	0.724	1	57	3	10	2.190	13	0.070	30	3	0.131	0.003	2	0.028	9	0.084		2	0.036	6	0.085	72	13	12
134	470622	7313503	11	90	68	2	1	2.830	5	69	11	1.27	0.724	1	128	51	60	5.546	40	0.437	52	24	1.606	0.156	3	0.028	83	0.115	0.02	13	0.010	28	0.165	88	15	41
878	470773	7326856	12	23	21	1	1	1.930	5	24	8		0.185	1	36	3	29	3.250	29	0.111	18	9	0.406	0.008	2	0.035	8	0.131		4	0.018	10	0.143	52	3	6
152	470974	7312020	14	5	2	2	1	2.093	5	14	2	2.38	0.059	1	10	1	6	1.000	28	0.062	5	1	0.026	0.002	1	0.020	3	0.005	0.01	4	0.025	6	0.151	108	12	1
642	470975	7310793	59	67	28	3	1	2.084	5	27	15	4.58	0.241	1	49	22	33	9.302	24	0.073	4	17	0.385	0.094	3	0.028	25	0.060	0.04	4	0.020	16	0.224	89	13	11
841	470983	7327424	38	117	97	1	1	3.410	5	70	10		0.581	1	210	30	58	6.440	27	0.297	42	25	0.978	0.104	2	0.035	75	0.158		8	0.057	22	0.174	75	15	20
874	471006	7324974	7	84	53	4	1	2.740	5	224	10	4.26	0.205	1	86	19	40	4.140	45	1.370	37	44	1.570	0.038	1	0.093	43	0.104		6	0.010	21	0.181	71	25	19
828	471030	7328228	8	68	57	1	1	2.010	5	65	5		0.645	1	90	10	38	2.930	61	0.362	36	19	0.935	0.023	1	0.043	36	0.128		5	0.010	24	0.147	50	16	17
552	471108	7315081	13	105	52	2	1	2.640	5	20	10	4.26	0.205	1	55	32	33	8.951	24	0.090	11	17	0.646	0.154	2	0.031	17	0.133	0.05	9	0.010	10	0.217	126	10	9
397	471232	7314336	22	36	12	3	1	1.943	5	34	9	5.36	0.177	1	13	6	37	6.315	33	0.136	7	9	0.394	0.016	1	0.028	9	0.033	0.04	5	0.016	11	0.219	89	14	5
135	471254	7312998	11	83	65	1	1	2.088	5	72	8	0.31	0.464	1	72	19	36	3.803	19	0.438	26	19	1.121	0.052	2	0.041	46	0.111	0.00	7	0.010	24	0.128	56	22	17
136	471548	7311974	18	73	46	6	1	2.507	5	49	10	3.42	0.352	1	178	19	51	5.931	54	0.258	43	22	0.910	0.042	2	0.030	44	0.090	0.01	7	0.010	15	0.191	68	10	28
840	471894	7326780	26	36	37	2	1	2.300	5	126	14		0.642	1	10	17	93	9.680	20	0.461	1	10	0.868	0.035	1	0.027	28	0.022		4	0.010	20	0.669	154	19	3
827	471928	7328166	11	95	109	1	1	2.650	5	126	7		0.653	1	90	21	53	4.040	41	0.548	31	20	1.050	0.058	2	0.060	63	0.118		7	0.012	21	0.199	68	21	18
398	471937	7313063	17	37	21	1	1	2.196	5	28	9	7.01	0.202	1	24	6	41	5.182	34	0.110	10	10	0.463	0.014	3	0.031	14	0.044	0.05	5	0.011	14	0.237	82	10	7
553	471954	7315068	5	73	78	1	1	2.727	5	72	9	2.13	0.347	1	103	20	44	4.825	27	0.529	14	29	1.358	0.053	1	0.040	37	0.070	0.02	8	0.010	12	0.151	93	12	12
396	471967	7313870	10	63	44	1	1	2.288	5	59	9	1.67	0.419	1	72	14	41	4.068	34	0.360	30	22	0.991	0.034	2	0.035	31	0.098	0.01	7	0.010	16	0.148	66	10	21
641	472001	7311249	21	46	23	3	1	2.391	5	31	14	6.36	0.189	1	49	9	46	9.333	29	0.123	3	9	0.484	0.028	2	0.028	19	0.092	0.05	5	0.015	17	0.241	90	8	7
399	472011	7312008	7	41	21	2	1	2.142	5	34	8	4.37	0.179	1	41	7	39	5.656	45	0.151	12	10	0.545	0.015	2	0.028	18	0.027	0.02	6	0.010	14	0.188	66	10	9
631	472069	7322078	5	74	42	2	1	2.898	5	120	9	2.57	0.271	1	79	15	35	4.192	32	1.020	40	47	1.615	0.019	2	0.056	31	0.089	0.03	6	0.011	12	0.192	69	23	17
633	472165	7324214	22	74	46	1	1	1.981	5	120	9	3.79	0.506	1	79	17	51	3.945	26	0.422	20	23	1.052	0.044	2	0.038	40	0.086	0.03	5	0.010	19	0.159	70	9	12
634	472205	7325075	11	96	55	3	1	2.806	5	37	8	8.59	0.671	1	51	16	53	4.671	22	0.741	39	16	0.628	0.021	2	0.058	37	0.175	0.12	7	0.012	11	0.215	83	4	17
632	472309	7323348	18	76	61	1	1	2.355	5	126	9	5.62	0.389	1	89	15	47	5.025	36	0.478	30	25	1.196	0.030	4	0.036	41	0.117	0.07	5	0.010	16	0.195	106	11	14
190	472734	7326576	44	103	393	59	1	1.704	5	47	5	1.99	0.556	1	52	9	31	2.975	58	0.270	25	11	0.642	0.017	7	0.032	34	0.147	0.01	4	0.015	17	0.112	39	7	13
185	472765	7322100	22	97	80	6	1	2.471	14	188	8	1.61	0.586	1	115	19	65	4.153	43	0.958	54	37	1.544	0.060	1	0.044	72	0.088	0.02	7	0.039	17	0.178	77	22	39
826	472880	7328265	17	60	36	4	1	2.420	5	45	9		0.431	1	138	10	34	3.490	29	0.224	22	19	0.710	0.020	2	0.045	35	0.101		5	0.016	14	0.144	52	9	11
187	472942	7324036	5	33	14	2	1	1.499	5	51	4	2.42	0.434	1	23	6	34	2.098	44	0.191	17	12	0.630	0.013	1	0.033	18	0.076	0.00	4	0.010	19	0.146	50	6	11
554	472968	7315089	17	47	28	1	1	2.742	5	49	15	8.66	0.235	1	22	9	39	7.933	28	0.268	6	14	0.761	0.024	2	0.028	21	0.092	0.05	5	0.016	13	0.150	65	14	8
555	473000	7314000	13	90	34	4	1	2.793	5	59	7	1.11	0.450	1	79	15	56	3.909	33	0.292	37	35	1.435	0.016	2	0.037	35	0.085	0.00	8	0.011	19	0.194	80	16	20
186	473021	7323009	12	81	50	3	1	2.634	5	117	8	7.07	0.915	1	104	14	65	4.295	28	0.428	93	29	1.245	0.058	2	0.038	45	0.146	0.12	9	0.014	26	0.158	71	7	53
25	2	1	1.482	5	25	8	11.79	0.192	1	19	5	38	4.004	36	0.123	12	5	3.49	0.011	1	0.026	10	0.094	0.05	4	0.013	14	0.010	13	0.187	78	9	12			
707	473035	7321108	11	57	31	1	1	2.659	5	80	11	3.61	0.401	1	45	14	122	5.386	18	0.420	12	25	1.205	0.069	1	0.032	49	0.123	0.03	5	0.010	13	0.187	78	9	12
189	473039	7325968	26	67	24	1	1	2.144	5	30	12	6.56	0.204	1	10	11	75	12.994	64	0.186	1	10	0.687	0.044	2	0.029	23	0.099	0.06	6	0.010	12	0.332	102	14	6
640	473067	7312043	13	72	18	2	1	2.153	5	32	12		0.498	0.238	1	68	22	3	6.20	0.131	11	17	0.713	0.087	5	0.023	16	0.083	0.04	5	0.010	19	0.191	80	9	15
598	473252	7318014	9	51	30	1	1	2.047	5	80	8	2.33	0.450	1	74	19	38	3.685	39	0.332	30	22	0.920	0.095	1	0.038	24	0.126	0.03	4	0.010	13	0.250	73	15	12
503	473670	7313053	9	94	54	3	1	2.246	5	168	10	1.30	0.743	1	134	18	94	4.806	33	0.850	36	38	1.687	0.061	1	0.047	67	0.137	0.02	8	0.010	21	0.200	81	16	23
597	473671	7319013	9	90	79	1	1	3.113	5	193	11	1.02	0.589	1	158	21	90	5.641	34	0.991	40	42	1.828	0.081	2	0.045	73	0.105	0.00	11	0.010	16	0.198	88	25	37
599	473683	7317081	9	73	25	1	1	2.575	5	47	7	4.03	0.364	1	127	20	53	4.300	45	0.178	23	21	0.819	0.067	1	0.036										

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Unit Det.lim	Sample no	East m	North m	Pb ppm	Zn ppm	Cu ppm	Au ppb	Ag ppm	Al ppm	B ppm	Ba ppm	Be ppm	C %	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Fe %	Fines K %	La ppm	Li ppm	Mg %	Mn %	Mo ppm	Na %	Mi ppm	P %	S %	Sc ppm	Sr ppm	Tl %	V ppm	Zr ppm	Y ppm		
	825	473986	7328388	11	66	44	4	1	2.060	5	76	6	0.729	0.01	1	123	17	40	3.310	38	0.332	38	16	0.840	0.044	1	0.054	42	0.136	6	0.011	24	0.148	55	12	20	
	720	473996	7315051	16	69	94	3	1	3.148	5	56	9	4.57	0.440	1	201	30	68	4.533	33	0.259	254	25	1.034	0.083	2	0.028	42	0.215	0.11	20	0.046	18	0.121	61	10	260
	710	474006	7323004	12	29	22	1	1	1.162	5	21	4	3.96	0.304	1	36	5	26	2.369	23	0.100	13	7	0.495	0.014	1	0.026	17	0.062	0.02	4	0.011	14	0.129	52	9	7
	712	474017	7325048	10	77	33	5	1	2.654	5	76	8	2.50	0.674	1	130	14	71	3.957	30	0.253	98	39	1.286	0.048	2	0.031	44	0.059	0.03	8	0.010	25	0.265	70	10	41
	488	474097	7318193	15	24	5	1	1	1.813	5	27	7	8.80	0.233	1	13	3	39	3.974	28	0.108	8	9	0.374	0.007	2	0.024	10	0.036	0.04	4	0.014	14	0.202	62	11	6
	486	474363	7319920	17	70	23	1	1	2.100	5	82	7	4.93	0.673	1	72	12	54	3.131	14	0.249	67	24	0.870	0.037	1	0.029	31	0.111	0.06	7	0.010	20	0.157	59	5	34
	487	474441	7318958	16	56	35	5	1	4.466	5	92	12	4.45	0.462	1	131	16	107	6.159	21	0.460	40	55	1.552	0.054	1	0.033	49	0.085	0.04	10	0.046	17	0.206	79	21	25
	489	474477	7315969	11	62	36	2	1	3.419	5	91	13	3.71	0.313	1	31	14	110	7.562	29	0.562	6	42	1.337	0.024	1	0.034	51	0.050	0.04	5	0.010	14	0.232	97	21	8
	491	474649	7315013	13	81	22	2	1	2.621	5	48	10	2.97	0.304	1	42	14	50	4.691	36	0.211	19	29	0.956	0.033	2	0.029	32	0.082	0.02	5	0.010	18	0.159	63	7	11
	490	474729	7316174	12	54	32	1	1	2.559	5	71	12	4.07	0.395	1	22	11	97	5.926	27	0.396	6	28	1.156	0.029	1	0.032	43	0.047	0.03	5	0.010	19	0.235	110	22	9
	231	474903	7312905	11	41	15	1	1	1.268	5	38	8	4.09	0.186	1	36	10	25	3.909	41	0.123	10	7	0.363	0.062	2	0.029	14	0.060	0.05	3	0.016	15	0.159	53	4	5
	234	475005	7311990	9	45	29	6	1	2.222	5	27	8	7.89	0.290	1	132	8	36	5.844	84	0.098	19	11	0.529	0.017	2	0.028	19	0.062	0.05	4	0.010	18	0.142	54	7	8
	824	475015	7328619	19	72	28	1	1	3.580	5	32	14	0.414	0.414	1	124	19	91	10.200	22	0.107	11	25	0.748	0.050	2	0.035	35	0.111	8	0.030	19	0.375	115	9	14	
	494	475407	7317984	9	52	41	1	1	2.563	5	66	6	3.13	0.553	1	146	13	49	3.317	40	0.329	21	18	0.900	0.028	1	0.039	38	0.122	0.02	6	0.025	23	0.127	52	8	13
	499	475467	7313859	12	71	34	1	1	2.403	5	48	8	2.82	0.338	1	158	14	46	4.422	40	0.227	31	18	0.919	0.025	3	0.036	29	0.091	0.03	6	0.010	17	0.175	71	6	24
	401	475536	7323424	9	41	24	1	1	2.442	5	39	6	3.97	0.424	1	47	7	40	3.321	29	0.174	16	13	0.571	0.017	1	0.032	24	0.104	0.03	5	0.046	15	0.124	51	11	11
	405	475548	7320574	15	109	47	1	1	3.798	5	69	14	2.78	0.654	1	61	25	84	7.175	27	0.417	34	48	2.146	0.056	2	0.030	69	0.088	0.01	9	0.024	43	0.272	105	18	25
	404	475551	7321419	12	72	58	1	1	3.645	5	80	13	5.21	0.406	1	64	17	71	6.466	28	0.326	11	28	0.978	0.035	2	0.036	54	0.102	0.03	7	0.027	19	0.176	84	15	13
	402	475612	7322515	20	36	18	4	1	2.219	5	35	5	7.20	0.419	1	43	6	42	3.134	37	0.143	27	11	0.582	0.016	2	0.029	16	0.031	0.02	4	0.010	16	0.119	46	8	11
	495	475655	7317024	5	85	18	2	1	2.476	5	66	7	1.76	0.537	1	48	14	59	3.916	31	0.345	16	26	1.356	0.033	2	0.040	31	0.061	0.00	6	0.010	22	0.200	74	8	13
	492	475679	7319948	7	59	19	1	1	2.575	5	51	5	3.86	0.434	1	21	9	62	3.511	39	0.115	31	21	0.987	0.015	2	0.034	28	0.069	0.10	7	0.015	20	0.226	76	6	16
	403	475730	7321721	11	93	38	1	1	2.748	5	67	9	2.14	0.528	1	164	19	68	4.783	32	0.193	20	30	1.305	0.035	2	0.031	52	0.062	0.03	6	0.012	19	0.186	78	9	17
	496	475776	7316020	6	48	18	2	1	1.784	5	84	4	1.75	0.705	1	87	28	36	2.010	20	0.293	36	17	0.790	0.020	1	0.038	38	0.144	0.14	5	0.010	29	0.143	44	18	18
	232	475941	7312881	8	70	17	1	1	2.516	5	28	10	5.57	0.257	1	47	11	62	7.254	69	0.126	6	12	0.685	0.021	2	0.026	22	0.086	0.07	6	0.010	15	0.240	75	7	10
	233	475947	7312051	5	46	11	1	1	2.587	5	24	14	8.56	0.164	1	10	1	45	9.129	63	0.000	1	8	0.594	0.016	1	0.020	22	0.096	0.08	5	0.082	2	0.231	110	15	4
	823	476110	7328496	16	75	36	4	1	2.040	5	61	8	0.471	0.471	1	53	10	39	3.010	36	0.364	10	17	0.877	0.045	1	0.046	28	0.095	4	0.010	25	0.177	57	9	8	
	498	476128	7314235	17	49	11	4	1	1.808	5	29	5	0.02	0.199	1	43	8	37	2.409	28	0.094	27	16	0.664	0.010	3	0.024	12	0.041	0.02	3	0.018	14	0.225	56	4	13
	413	476391	7324513	12	62	18	1	1	2.948	5	61	9	5.03	0.272	1	16	8	48	4.873	37	0.246	6	15	0.675	0.019	2	0.035	21	0.045	0.10	6	0.030	17	0.185	62	12	9
	409	476406	7320604	13	83	68	1	1	3.297	5	106	12	6.94	0.440	1	126	21	78	6.211	28	0.406	14	33	1.185	0.047	2	0.039	71	0.110	0.05	6	0.012	18	0.186	81	11	11
	30	476430	7322361	13	99	30	1	1	2.745	5	86	6	2.97	0.496	1	88	12	60	3.626	35	0.436	36	27	1.255	0.026	2	0.038	35	0.099	0.03	6	0.010	19	0.173	68	10	21
	410	476459	7321409	14	118	52	1	1	2.566	5	77	12	5.26	0.510	1	119	25	42	6.553	34	0.200	149	19	0.889	0.054	7	0.030	38	0.168	0.10	10	0.010	21	0.166	82	8	100
	412	476518	7323563	22	53	18	3	1	1.946	5	64	14	4.75	0.146	1	10	8	39	8.634	36	0.274	1	12	0.706	0.018	2	0.030	20	0.031	0.01	3	0.015	12	0.259	101	15	3
	176	476633	7319038	18	118	19	3	1	3.553	5	33	15	4.17	0.579	1	121	45	66	11.275	61	0.061	15	29	0.930	0.249	3	0.032	32	0.152	0.03	8	0.018	41	0.139	78	15	16
	179	476671	7316073	16	12	3	4	1	0.653	5	21	2	4.20	0.137	1	16	2	22	0.841	47	0.066	8	2	0.160	0.004	1	0.020	4	0.023	0.03	2	0.015	12	0.238	52	4	3
	175	476690	7319960	10	64	25	1	1	2.783	5	74	7	1.76	0.367	1	174	15	71	4.141	54	0.325	34	30	1.280	0.034	4	0.037	40	0.033	0.01	6	0.010	15	0.206	72	11	23
	178	476823	7317028	14	93	39	1	1	2.205	5	49	11	3.81	0.553	1	59	15	64	5.825	42	0.118	130	19	0.841	0.048	7	0.024	54	0.106	0.06	10	0.011	19	0.200	163	8	64
	177	476888	7318046	5	56	43	1	1	1.959	5	69	6	0.55	0.779	1	133	12	48	3.106	42	0.272	40	15	1.057	0.029	1	0.041	40	0.138	0.01	7	0.013	35	0.162	62	12	19
	180	476914	7315080	7	53	54	1	1	1.782	5	59	7	1.11	0.556	1	102	12	34	3.022	45	0.229	22	12	0.715	0.026	1	0.040	37	0.111	0.00	5	0.010	26	0.131	49	11	14
	430	476986	7311953	17	50	35	2	1	2.007	5	42	8	2.48	0.328	1	95	8	34	3.671	45	0.239	22	12	0.715	0.017	1	0.0										

Coordinates and analytical values of 746 regional samples of the Bleikvassli area. NGU project no. 67.2543.29.

Values below detection limit are set to detection limit. The samples are put into an order of increasing x-coordinates

Sample no	East	North	Pb	Zn	Cu	Au	Ag	Al	B	Ba	Be	C	Ca	Cd	Ce	Co	Cr	Fe	Fines	K	La	Li	Mg	Mn	Mo	Na	Ni	P	S	Sc	Si	Sr	Ti	V	Zr	Y	
Unit	m	m	ppm	ppm	ppm	ppb	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Det.lim	(UTM zone 33)		5	2	1	1	1	0.01	5	1	0.2	0.01	0.01	1	10	1	1	0.01	1	0.01	1	1	0.01	0.2	1	0.02	2	0.01	0.01	0.2	0.01	2	0.01	1	1	1	0.2
717	477977	7325993	27	23	37	1	1	1.646	5	67	1	26.83	0.122	1	281	1	9	0.237	25	0.088	220	10	0.377	0.005	2	0.022	8	0.094	0.38	4	0.021	10	0.064	7	6	50	
722	477998	7322020	14	34	16	3	1	1.256	5	55	4	12.59	0.265	1	43	5	25	2.317	18	0.170	28	11	0.417	0.013	2	0.030	10	0.087	0.09	3	0.013	16	0.155	49	5	7	
821	477999	7328974	24	49	13	4	1	2.030	5	77	5	0.329	1	100	5	16	2.410	22	0.199	33	10	0.425	0.018	1	0.035	10	0.061	3	0.042	15	0.087	24	15	15	15	15	
723	478000	7321044	6	73	50	1	1	2.828	5	118	9	1.96	0.583	1	113	19	57	3.780	22	0.629	34	31	1.302	0.044	2	0.049	51	0.096	0.03	6	0.011	26	0.211	72	20	19	
624	478001	7316006	6	58	46	1	1	1.909	5	78	7	1.71	0.518	1	53	11	41	3.337	41	0.356	27	15	0.923	0.021	1	0.037	38	0.132	0.05	5	0.010	26	0.148	57	10	14	
429	478002	7312028	13	87	32	2	1	2.533	5	65	11	4.26	0.325	1	101	16	36	5.948	34	0.253	28	28	1.075	0.039	3	0.029	29	0.067	0.04	4	0.010	17	0.198	72	7	18	
721	478036	7323023	13	92	57	4	1	3.248	5	141	8	2.13	0.667	1	119	20	67	4.741	20	0.712	39	41	1.635	0.056	1	0.057	52	0.093	0.01	8	0.013	24	0.261	89	18	21	
719	478070	7323886	24	71	40	4	1	2.271	5	43	5	7.23	0.424	1	147	9	47	2.940	26	0.194	89	24	1.007	0.019	2	0.040	29	0.092	0.05	5	0.011	17	0.171	57	6	31	
659	478904	7317950	14	33	16	1	1	2.017	5	55	4	5.70	0.155	1	32	4	31	2.069	36	0.204	20	12	0.567	0.009	1	0.031	14	0.065	0.05	4	0.029	12	0.094	42	3	8	
658	478905	7319016	9	61	53	3	1	2.257	5	76	7	1.64	0.397	1	77	11	41	3.253	43	0.387	30	19	0.943	0.023	1	0.040	38	0.093	0.02	6	0.010	21	0.141	56	8	16	
661	478927	7316018	5	64	47	1	1	2.437	5	88	8	2.47	0.481	1	63	14	54	3.445	32	0.352	27	20	1.167	0.028	2	0.038	42	0.109	0.03	7	0.010	21	0.172	71	8	17	
660	478934	7317048	5	69	38	1	1	2.450	5	92	7	1.13	0.529	1	60	14	53	3.111	36	0.434	30	20	1.146	0.019	2	0.041	39	0.107	0.01	6	0.010	25	0.193	66	13	16	
427	478942	7312918	149	389	234	7	1	2.325	5	45	25	5.46	0.608	1	117	82	38	16.383	20	0.000	49	16	1.187	0.362	10	0.020	205	0.383	0.05	13	0.010	2	0.074	104	35	45	
437	478960	7314960	11	74	113	3	1	2.587	5	95	12	1.20	0.673	1	43	58	122	6.702	42	0.483	10	32	1.612	0.111	4	0.042	153	0.172	0.06	9	0.010	16	0.230	144	10	17	
724	478969	7325968	5	9	9	1	1	0.147	5	14	1	2.52	0.025	1	224	1	1	0.472	21	0.040	115	1	0.028	0.001	7	0.020	2	0.019	0.01	1	0.018	3	0.023	10	21	16	
729	478977	7321019	11	84	33	2	1	2.701	5	90	7	1.26	0.592	1	97	17	61	3.503	36	0.442	30	32	1.310	0.050	1	0.041	40	0.115	0.02	6	0.017	23	0.196	70	13	13	
726	478988	7324006	16	30	15	1	1	1.256	5	24	7	6.10	0.231	1	19	4	28	3.924	34	0.106	9	5	0.364	0.013	2	0.027	10	0.060	0.18	4	0.013	12	0.208	85	5	6	
730	478996	7313974	7	51	34	4	1	1.403	5	33	5	2.47	0.180	1	83	8	28	3.113	57	0.149	42	10	0.639	0.011	2	0.026	20	0.047	0.01	3	0.010	12	0.116	45	6	10	
725	479014	7324961	18	24	7	2	1	1.065	5	30	5	5.58	0.185	1	20	3	22	2.532	32	0.132	9	5	0.311	0.009	1	0.026	9	0.039	0.03	3	0.014	11	0.233	92	7	5	
657	479022	7320068	10	52	23	1	1	2.535	5	47	10	7.38	0.261	1	28	12	62	5.048	43	0.166	6	17	0.915	0.021	1	0.034	30	0.076	0.06	4	0.013	16	0.288	101	5	5	
428	479169	7312033	5	52	30	2	1	2.051	5	48	8	2.22	0.389	1	58	7	35	3.705	59	0.186	26	11	0.812	0.016	1	0.034	20	0.075	0.01	5	0.011	36	0.154	53	10	11	
728	479215	7322180	15	93	61	1	1	3.168	5	130	9	1.82	0.687	1	162	18	63	3.931	22	0.743	39	42	1.501	0.040	1	0.056	52	0.096	0.02	8	0.027	23	0.235	77	19	27	
727	479220	7322524	8	88	72	2	1	3.133	5	124	7	2.05	0.659	1	108	19	60	4.468	23	0.640	44	36	1.553	0.033	2	0.056	47	0.090	0.02	8	0.011	23	0.251	82	18	25	
436	479900	7314993	5	93	100	2	1	2.721	5	89	9	1.23	0.555	1	281	29	62	4.670	37	0.392	90	23	1.325	0.038	3	0.042	76	0.121	0.01	7	0.011	28	0.216	84	12	36	
431	479951	7320001	9	84	59	1	1	2.783	5	172	9	0.98	0.577	1	115	25	69	4.768	38	0.645	34	26	1.629	0.066	2	0.052	78	0.024	0.08	7	0.010	26	0.238	95	16	17	
432	479965	7319014	8	74	41	5	1	2.756	5	122	8	1.19	0.693	1	101	21	61	3.489	47	0.604	26	27	1.398	0.055	1	0.050	50	0.115	0.01	7	0.013	25	0.208	71	16	17	
434	479976	7317004	5	85	60	1	1	3.234	5	158	10	1.36	0.746	1	156	31	84	4.973	42	0.606	30	20	1.669	0.051	1	0.057	77	0.130	0.01	7	0.017	35	0.250	98	14	16	
733	479976	7312041	8	46	22	1	1	2.143	5	35	9	3.57	0.241	1	52	7	42	4.651	44	0.174	13	11	0.619	0.019	1	0.030	19	0.044	0.04	4	0.010	16	0.171	57	8	7	
433	479987	7317993	8	56	27	2	1	2.655	5	62	9	6.48	0.388	1	44	10	58	4.416	34	0.194	19	16	0.915	0.018	1	0.031	31	0.122	0.03	5	0.014	20	0.177	66	6	10	
732	479994	7313019	5	70	55	2	1	3.016	5	95	8	1.08	0.423	1	66	14	52	4.140	25	0.382	27	24	1.201	0.020	1	0.038	51	0.072	0.01	7	0.010	24	0.181	71	16	16	
435	479999	7315990	9	42	15	1	1	2.036	5	42	7	5.02	0.309	1	37	6	42	3.687	38	0.229	16	11	0.598	0.018	2	0.026	18	0.067	0.03	4	0.010	22	0.183	64	5	9	