NGU Report 95.156

Soil geochemistry of the Bleikvassli area (Status Report No. 2). Detailed investigations of the Hallvarddalen, Artfjellet and Kjennsvatnet areas.

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REPORT

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Title:
Soil geochemistry of the Bleikvassli area (Status Report No. 2). Detailed investigations of the Hallvarddalen, Artfjellet and Kjennsvatnet areas.

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Client:
NGU and Bleikvassli Gruber

County:
Nordland

Commune:
Hemnes

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Mo i Rana and Mosjøen

Map-sheet no. and -name (M=1:50.000)
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Summary:

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. During 1993-1994 a regional soil sampling survey was carried out as part of this project and is described in NGU Report No. 95.155. Three of the most interesting areas from this regional survey, the Hallvarddalen, Artfjellet and Kjennsvatnet areas, were followed up with more detailed sampling and the results are described in this report. The results are further evaluated in the main report, NGU Report 95.155, together with the other anomalous areas. In Report 95.155 further investigations in the Bleikvassli area are proposed.

Keywords: Geochemistry	Till	Massive sulphides
Exploration	Anomaly	Pb, Zn, Cu, Au
Soil	Weathered material	

CONTENTS

APPENDIX

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. During 1993-1994 a regional soil sampling survey was carried out as part of this project and is described in NGU Report No. 95.155. Three of the most interesting areas from this regional survey were followed up with more detailed sampling in 1994-1995 and the results are described in this report. 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. The methods used are described in the regional report. The bedrock geology in this report is taken from NGU Report 95.153. The results are further evaluated in the main report, NGU Report 95.155, together with the other anomalous areas. In Report 95.155 further investigations in the Bleikvassli area are proposed

2 THE HALLVARDDALEN AREA

This area (see Appendix 1 and 3) contains rock units from both the Anders Larsa Group and the Kongsfjell Group. The Kongsfjell Group includes the mine sequence and the amphibolites which contain the Bleikvassli orebody and the mineralization at Kongsfjellet. The nature of these rock units combined with three widely spread anomalous values (104 ppm Pb, 220 ppm Zn and 240 ppm Cu) from the regional survey led to detailed follow-up sampling. A total of more than 300 samples were collected using a hand auger. The samples were collected on 3 long traverses (with a sample spacing of 50 m) and 2 short traverses (sample spacing 25 m) perpendicular to the geological boundaries and sub-parallel to the topographic contours. The samples were collected just south of the glacio-fluvial area with bogs in Kongsdalen and where possible were taken from the base of the soil at an average depth of about 0.4 m. Appendix 4-31 contain geochemical maps for the following elements: Pb, Zn, Cu, Ba, Be, Ca, Ce, Cd, Co, Cr, Fe, K, La, Li, Mg, Mn, Mo, Ni, P, Sc, Sr, Ti, V, Zr and Y. Three element maps for Pb, Zn and Cu (Appendix 4, 6, 8) include topographic contours (contour interval 20 m). For clarity larger symbols are used on these maps than on the other maps. However, the values of the symbol groups remain unchanged. The scale of the element maps for the Hallvarddalen area is 1:25 000.

The high values of the Hallvarddalen area appear to be influenced by at least two different rock units. The highest Ca-values are situated within the marble unit area in the western part of the Hallvarddalen valley, indicating that the values reflect the underlying bedrock and that the transport distance of the sampled material is very short in this area (the samples were taken from the basal 0.1 - 0.2 m of the soil). Within this marble area there are anomalous values of the ore elements (Pb and Zn) and a large number of high values of other elements, which in most cases reflects the Ca-values. The origin of the anomalous values within this marble area is therefore interpreted to be a barren calcareous rock unit containing high background levels of a large number of elements and possibly also some contamination from human activity (Appendix 2). The anomaly pattern appears to be very similar to the anomaly pattern of Leirskarddalen, the area 1.5 km west of the Bleikvassli orebody (see the regional report) and the Artfjellet area (Appendix 32-56).

In the eastern part of the Hallvarddalen area, 4-5 anomalous samples were gathered from the area of the mine sequence and the amphibolites belonging to the Kongsfjell Group (Appendix 3). These samples contain high values of Pb (467, 114, 103 ppm), Zn (220 ppm), Cu (232 ppm), Zr and Ce only, and the pattern is very similar to that of the samples taken 100 - 300 m from the outcrop of the Bleikvassli orebody (see the regional report). The anomalous samples are unlikely to have been influenced by clay-target shooting (which reaches a maximum distance of 300 m), or by the rifle shooting which takes place in a direction not affecting the sampled area (Appendix 2). These high values may be due to mineralization and further investigations of these values is proposed in the regional report.

3 THE ARTFJELLET AREA

The Artfjellet area includes both the Anders Larsa Group and the Seve-Køli Nappe Complex. One regional sample containing 150 ppm Pb, 389 ppm Zn and 234 ppm Cu was the main reason for collecting 15 additional samples from the Artfjellet area in 1994 (Appendix 32, 33 and 34). These samples also showed enhanced values and, therefore about 200 new samples were collected in 1995. These samples were taken from three north-south traverses, 1 km apart and with a sample spacing of 50 m, mostly at the base of the soil and at an average depth of 0.4 m. Appendix 32-56 contain geochemical maps for the following elements: Pb, Zn, Cu, Ba, Be, Ca, Ce, Cd, Co, Cr, Fe, K, La, Li, Mg, Mn, Mo, Ni, P, Sc, Sr, Ti, V, Zr and Y. Larger symbols are used here than for the regional maps. However, the values of the symbol groups remain unchanged. The element maps for Pb, Zn and Cu (Appendix 32-34) include topographic contours (contour interval 20 m). The scale of the element maps for the Artfjellet area is 1:25 000.

The concentration levels of the ore elements Zn and Cu are high in the Artfjellet area with several Zn-values between 100 and 200 ppm and Cu-values between 100 and 150 ppm. However, these values follow the same trends as Ca and a significant number of other elements (Y, Sr, Sc, Ni, Mg, Li, La, Cr, Ce, and Ba) which are not related to the occurrence of sulphide orebodies and are not found in the vicinity of the Bleikvassli orebody. The Zn and Cu values are very stable over large distances. A concentrated source such as a sulphide orebody is expected to give large variations in ore element concentrations over short distances. This suggests that a barren calcarous rock unit is the cause of the high values of Zn and Cu along the sample traverses, a situation similar to that found in the areas of Leirskarddalen, western Hallvarddalen and the area west of the Bleikvassli orebody. The low Pb-values along the traverses are supporting this theory.

There are two samples which have high element concentrations but which do not have high Ca-values. The sample containing the highest Zn-value (389 ppm Zn, 234 ppm Cu and 150 ppm Pb) has a low Ca-value, but high Fe- and Mn-values. This sample, and another sample containing 294 ppm Zn also with a low Ca-value, may be anomalous hydromorphic samples caused by the drainage of an overlying sulphide-bearing graphite schist (Appendix 32-34). This graphite schist may also have affected other samples to some extent.

4 THE KJENNSVATNET AREA

The bedrock mapping of Nordskardet and Stolpfjellet showed the presence of important metallogenetic lithologies similar to those found in the Bleikvassli area. A yellow coloured sulphide-impregnated bench was also found which could be interpreted as a metamorphosed sericitic alteration zone. These observations led to a more detailed soil sample investigation on the western side of the Kjennsvatnet lake (see Appendix 1). Geologically, this area is situated within the Kongsfjell Group but towards the north it borders with the Målvatnet Unit. A total of 55 samples were collected using a hand-auger at an interval of 50 m along 3 traverses 300 m apart. Where possible, these samples were taken from the base of the soil at an average depth of 0.3 - 0.4 m. Appendix 32-56 contain geochemical maps for the following elements: Pb, Zn, Cu, Ba, Be, Ca, Ce, Cd, Co, Cr, Fe, K, La, Li, Mg, Mn, Mo, Ni, P, Sc, Sr, Ti, V, Zr and Y. Larger symbols are used here than for the regional maps. However, the values of the symbol groups remain unchanged. The element maps for Pb, Zn and Cu (Appendix 57-59) include topographic contours (contour interval 20 m). The scale of all the element maps of the Kjennsvatnet area is 1:10 000.

The maps of the Bleikvassli ore elements (Pb, Zn and Cu) show low values except for one sample containing 202 ppm Cu. This value may be related to ultramafic material.There are, for

example, high Cr-values (344 ppm) and Ni-values (503 ppm) in the area. These values are twice the highest regional Cr- and Ni-values and given that the values of Co and Mg are also high, it is likely that the samples are affected by material derived from an ultramafic body within the Målvatnet Unit. The sample containing 202 ppm Cu may also be affected by the sulphides in the «yellow coloured sulphide-impregnated bench» which was observed in the vicinity of the sample site. However, given the fact that the 202 ppm Cu-value is associated with high Mn, that no other high Cu, Zn, or Pb-values were discovered near the the sulphide bench, and the fact that no substantial Cu-mineralisation was clearly observed in the well-exposed terrain, the area seems to be of little interest.

5 CONCLUSIONS

In this report, the eastern part of the Hallvarddalen area seems to be the only area which have values that may be due to mineralization. However, all the results from this report are also evaluated in the main report, NGU Report 95.155, together with the results from the other anomalous areas. In Report 95.155, further investigations in the Bleikvassli area are proposed.

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. 1)Regional investigations of the area between Røssvatnet and Målvatnet. NGU Report 95.155.

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.

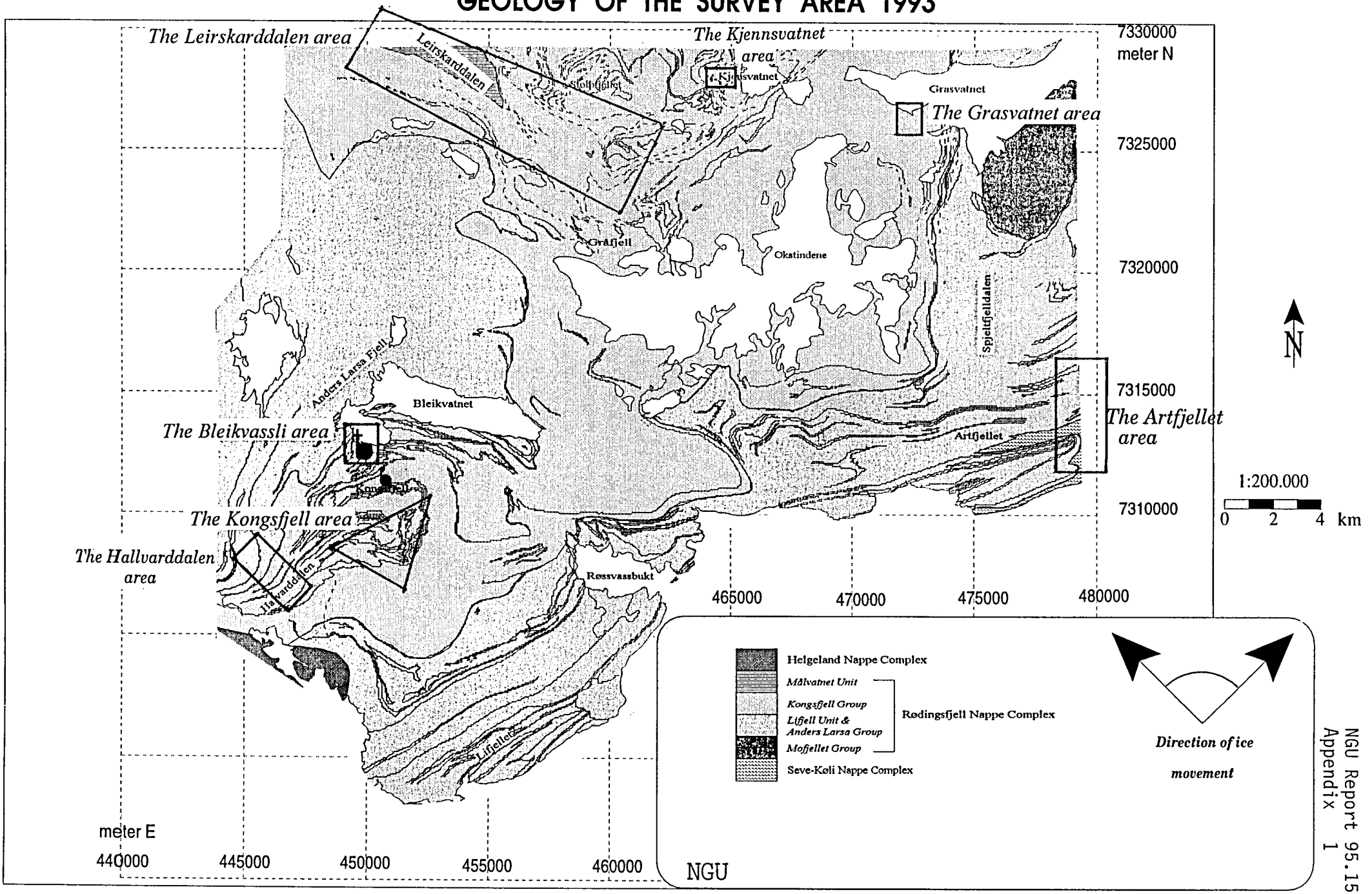
Larsen, R. B, Walker, N., Birkeland, A. & Bjerkgård, T. 1995.: Fluorine-rich biotites and alkali-metasomatism as guides to massive sulphide deposits: an example from the Bleikvassli Zn-Pb-Ag-Cu deposit, Norway. NGU Rapport 95.152.

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



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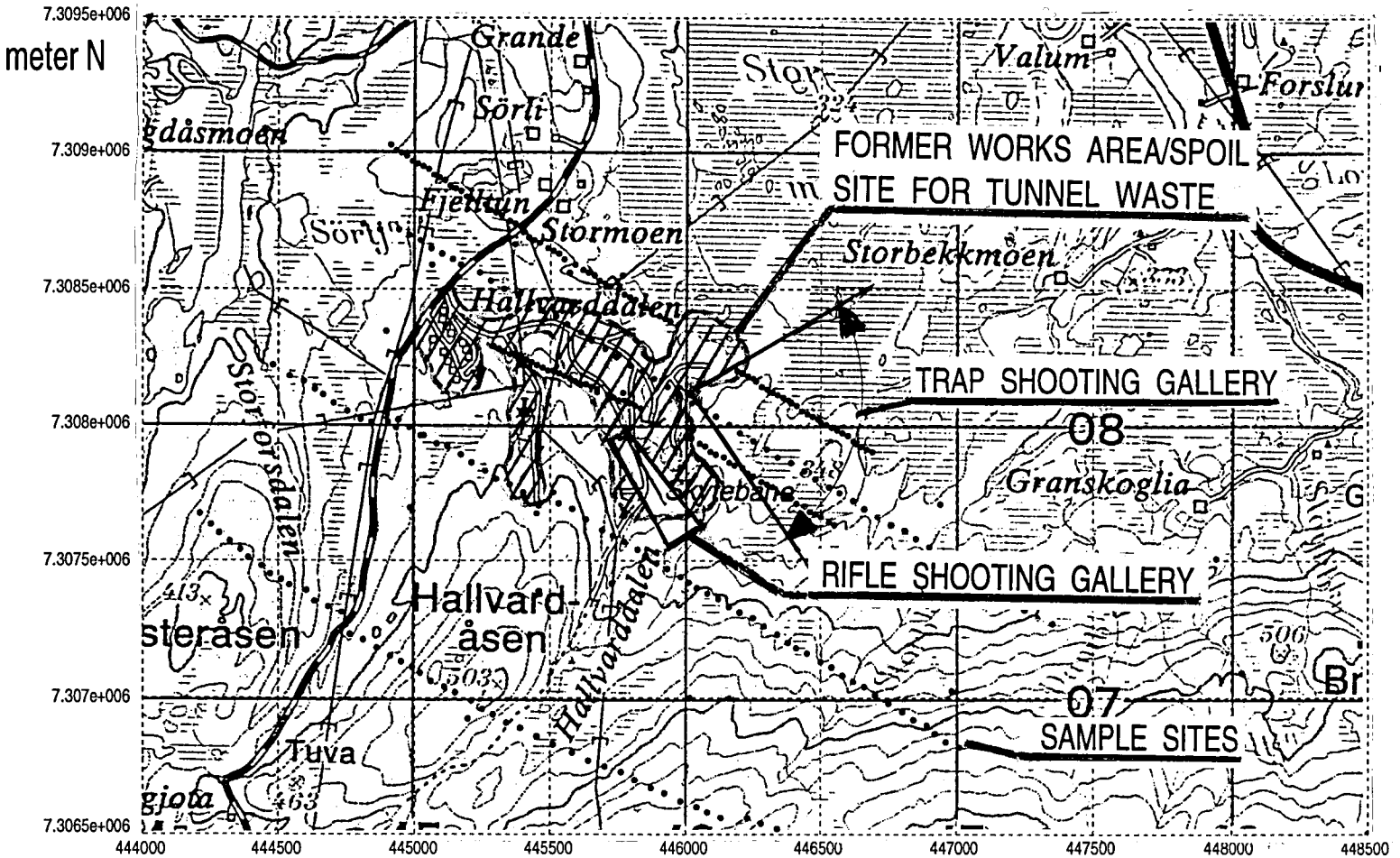
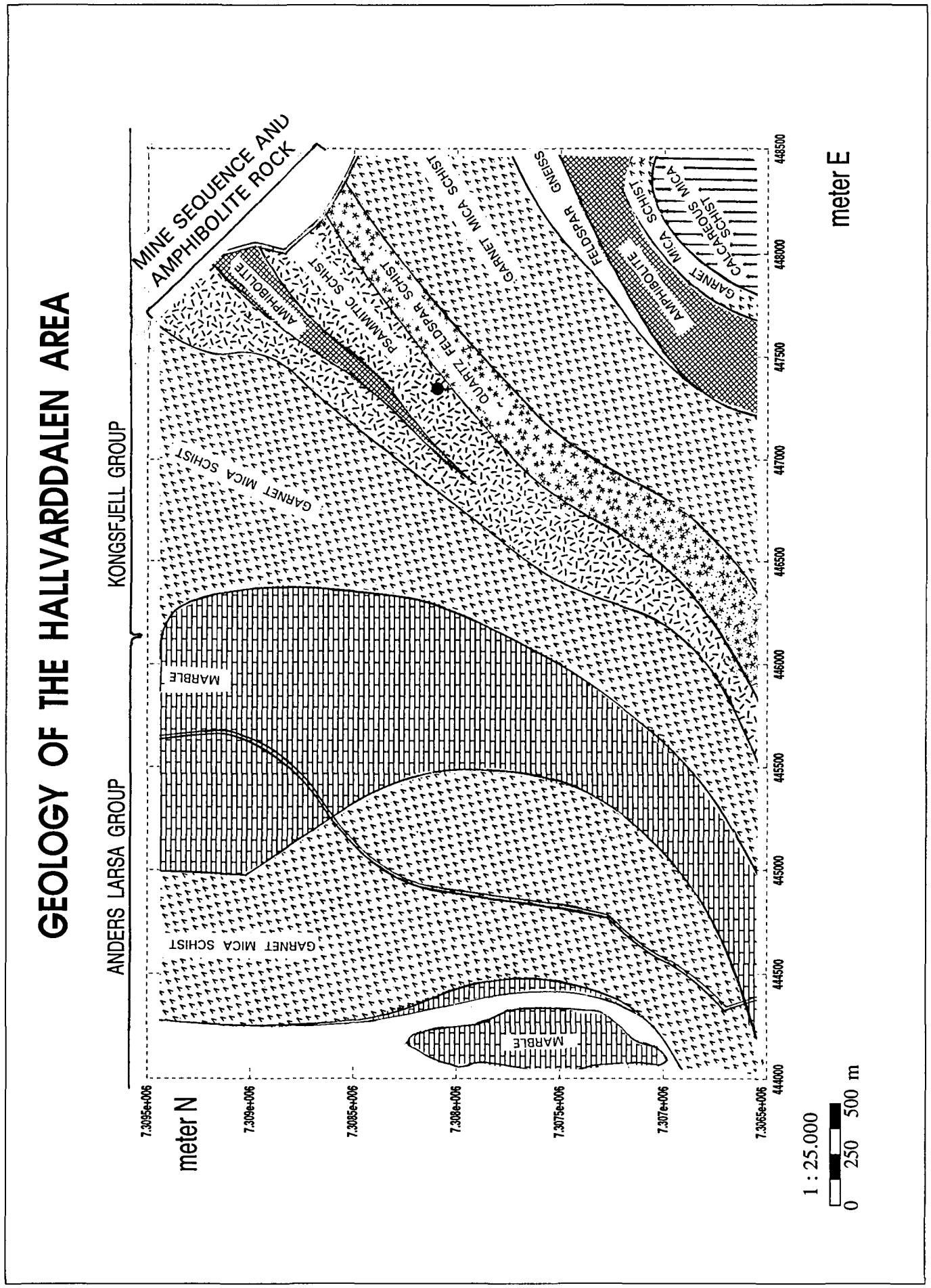
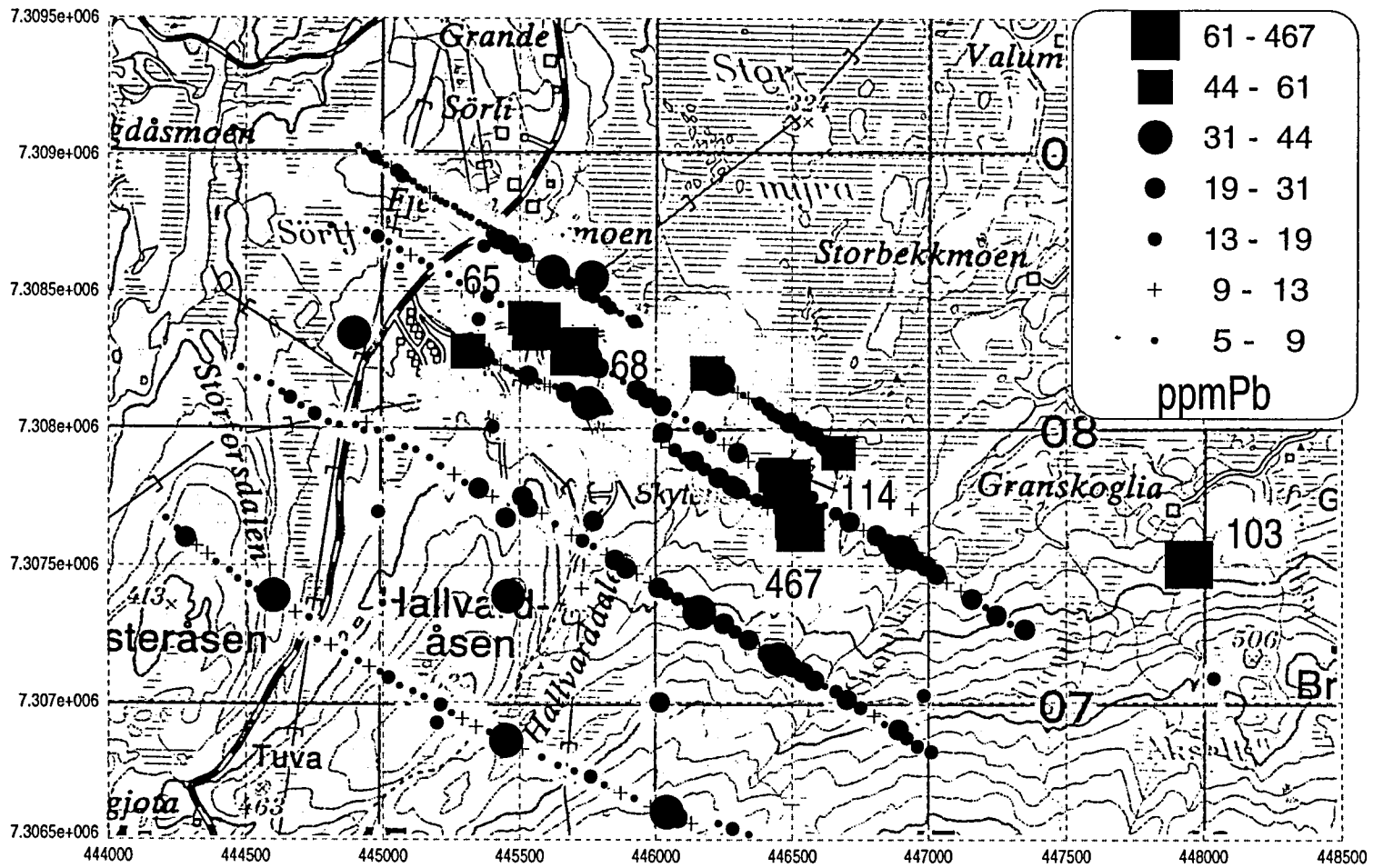
Appendix 1

TOPOGRAPHY AND CONTAMINATION OF THE HALLVARDDALEN AREA




GEOLOGY OF THE HALLVARDDALEN AREA
ANDERS LARSA GROUP
KONGSFJELL GROUP
MINE SEQUENCE AND AMPHIBOLITE ROCK
MARBLE
GARNET MICA SCHIST
AMPHIBOLITE
PSAMMITIC SCHIST
GARNET MICA SCHIST
QUARTZ FELDSPAR SCHIST
GARNET MICA SCHIST
GNEISS
FELDSPAR
AMPHIBOLITE
CALCAREOUS SCHIST
GARNET MICA SCHIST
MARBLE
meter N
meter E
7.3095e+006
7.309e+006
7.3085e+006
7.308e+006
7.3075e+006
7.307e+006
7.3065e+006
444000
444500
445000
445500
446000
446500
447000
447500
448000
448500
1 : 25.000
0 250 500 m

HALLVARDDALEN



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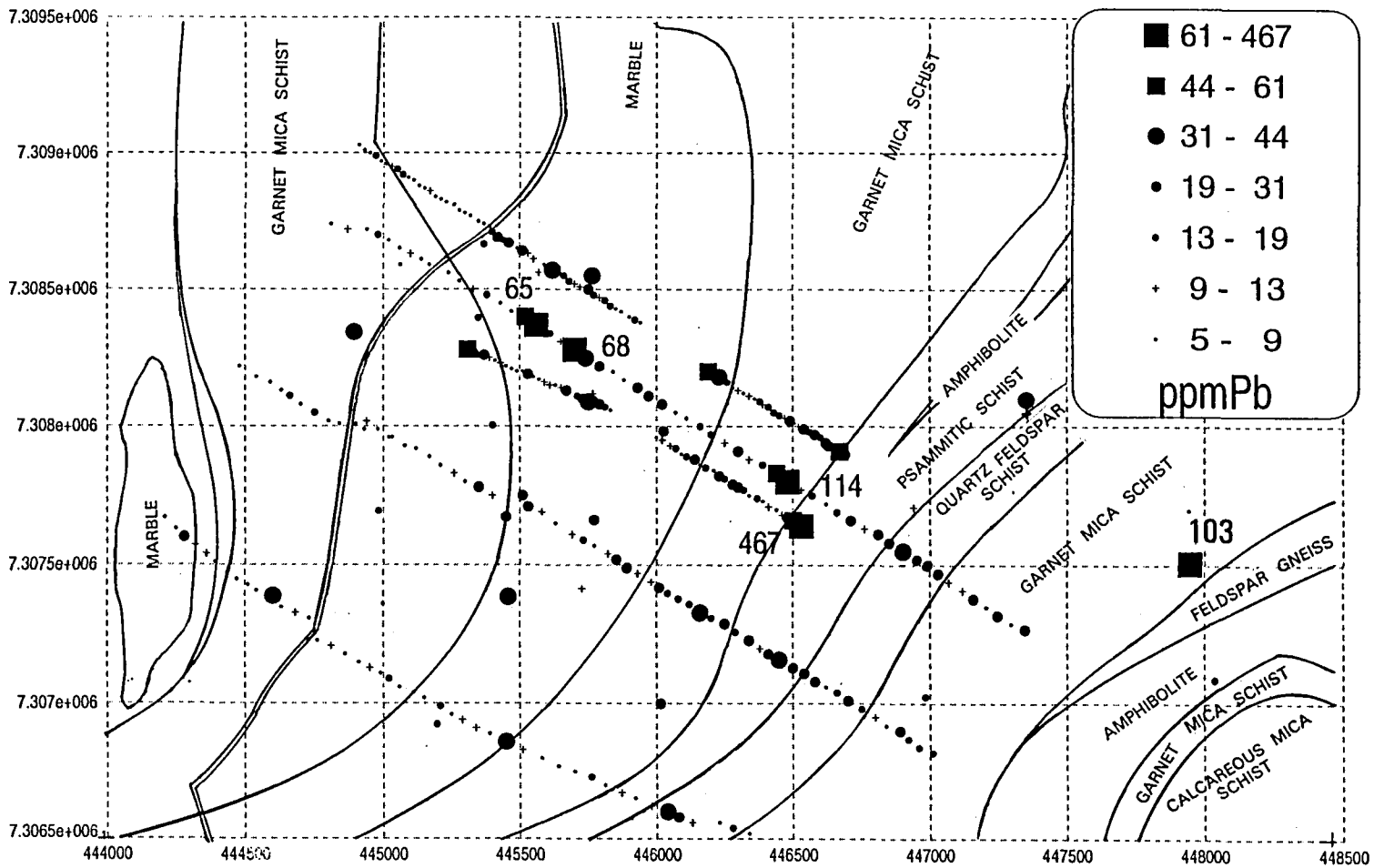
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



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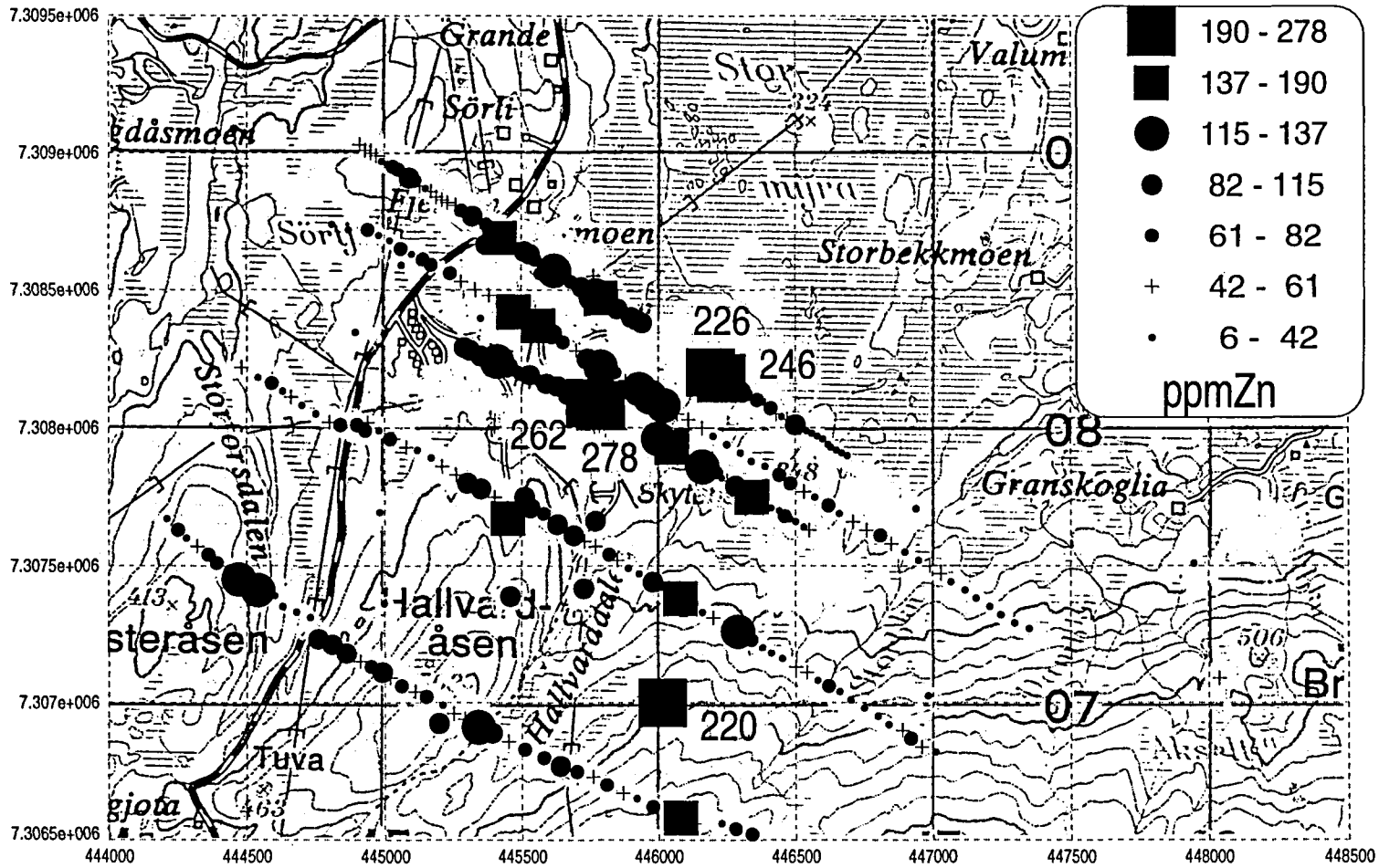
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

meter E

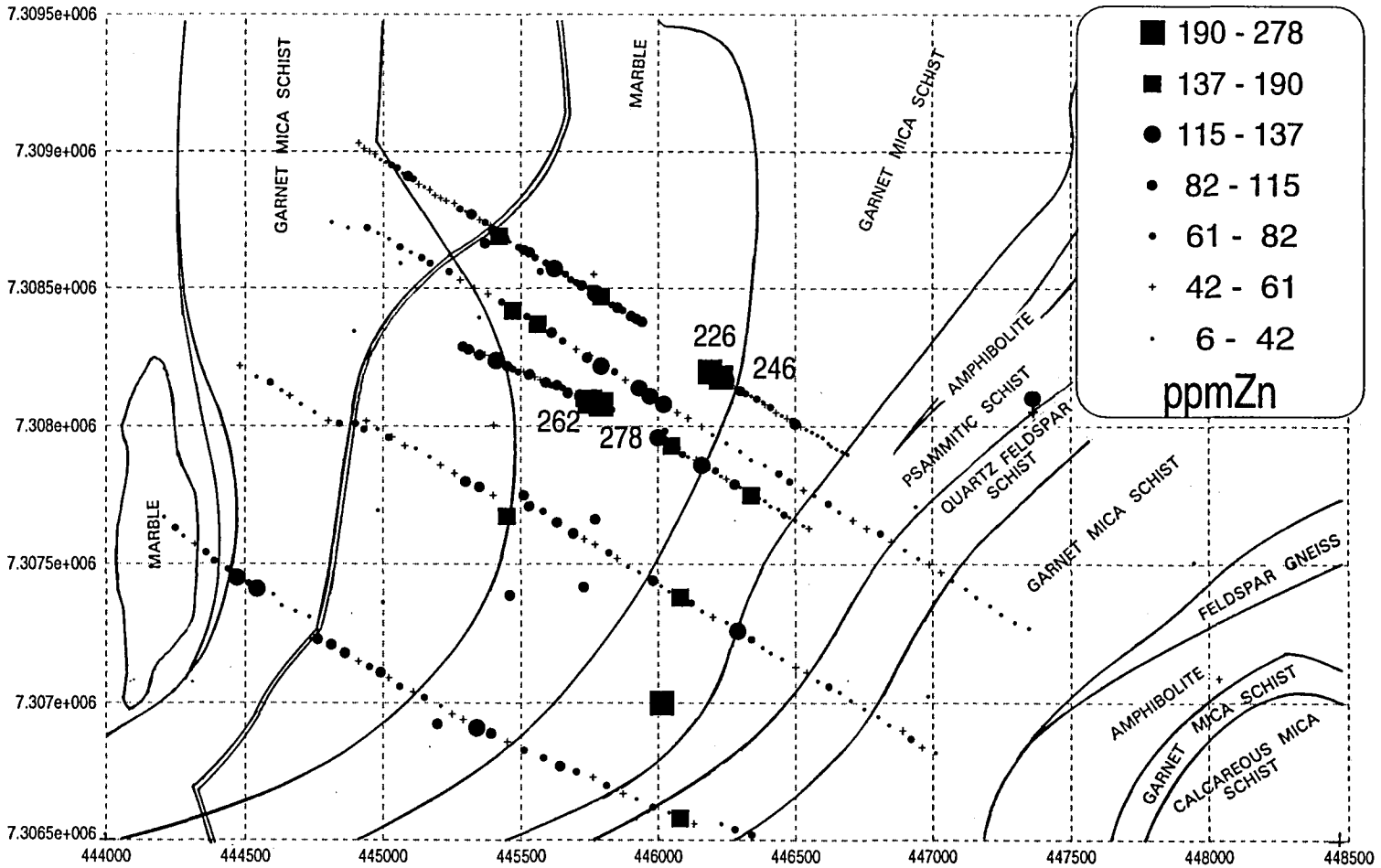
HALLVARDDALEN



SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



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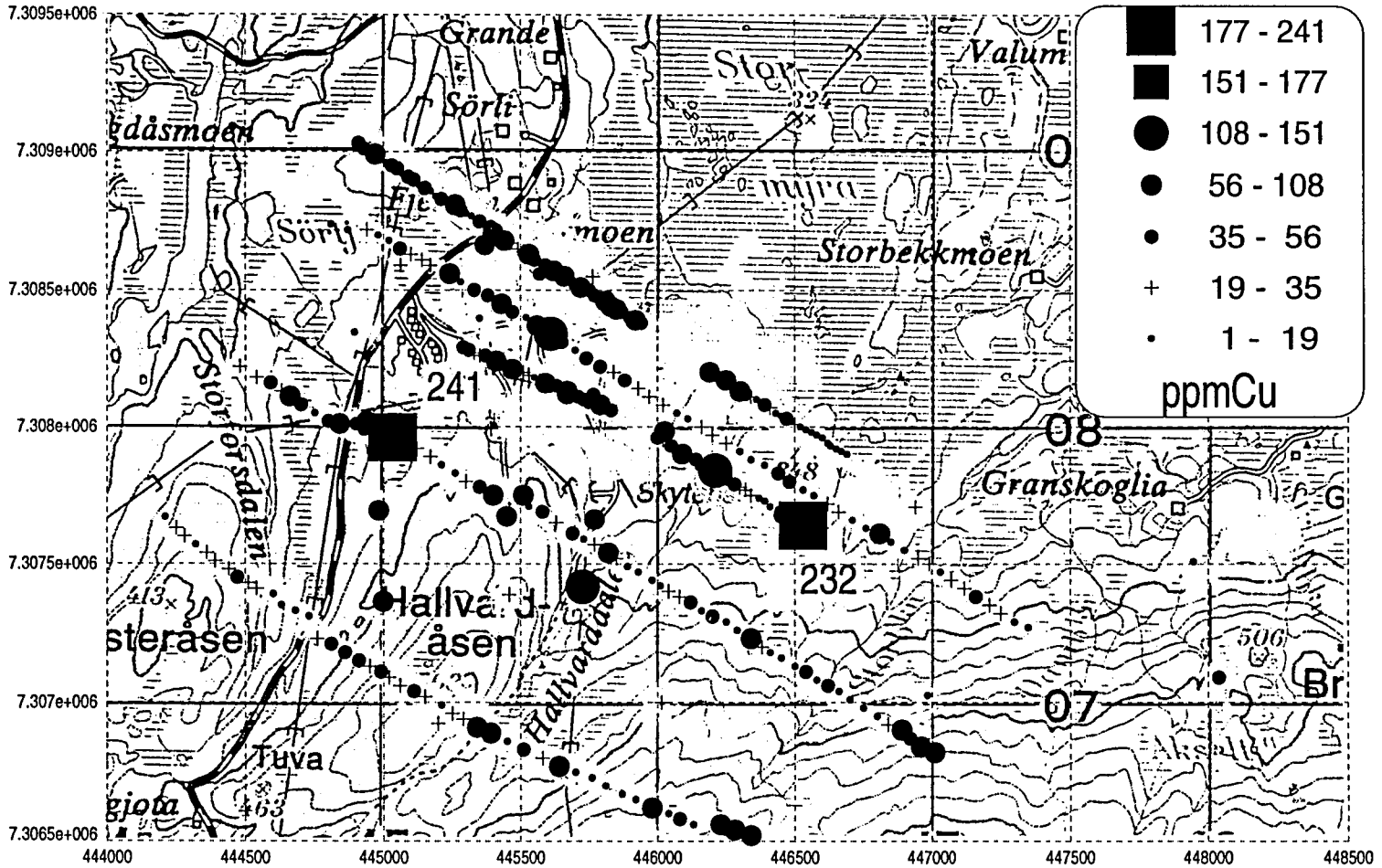
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

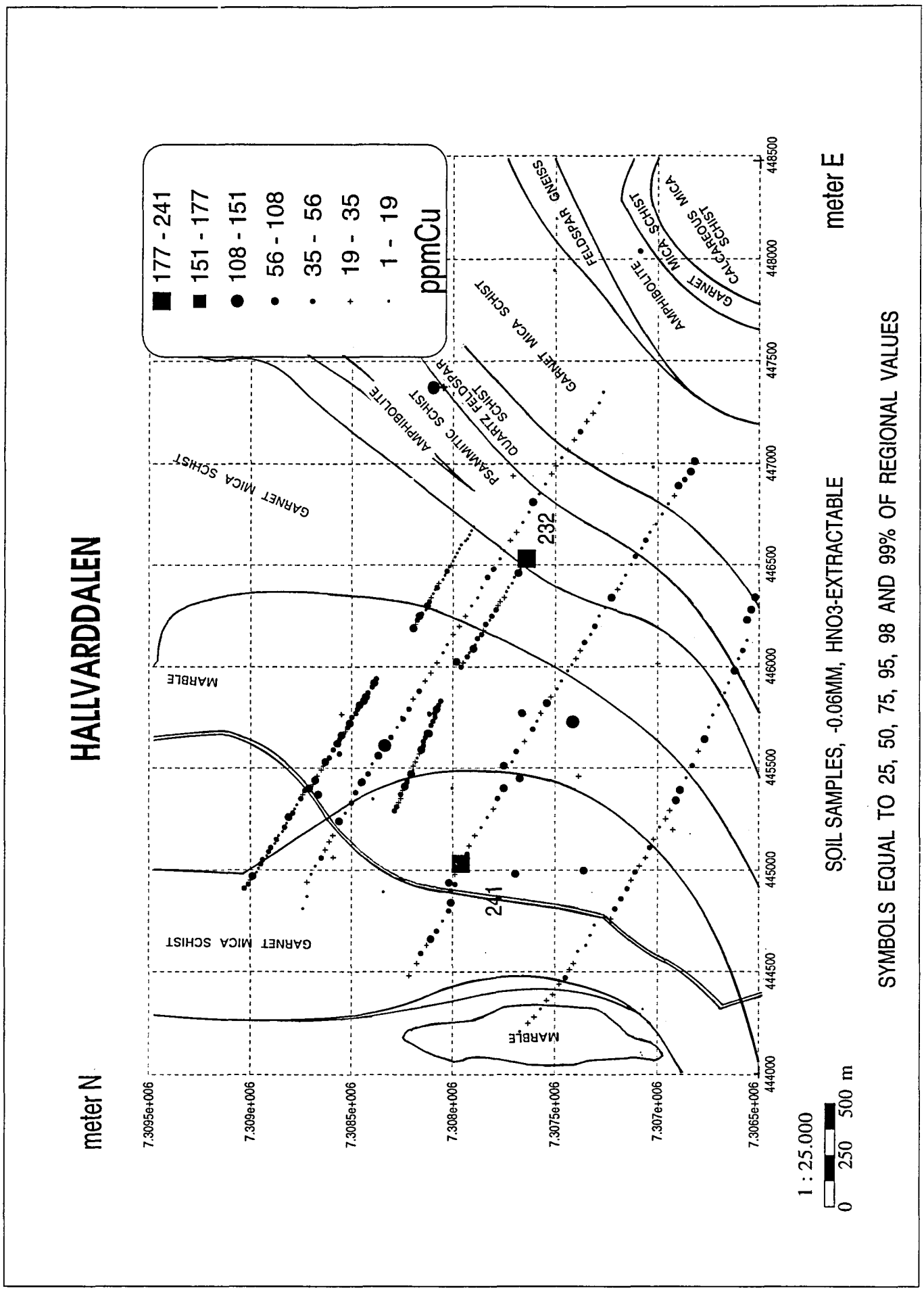
meter E

HALLVARDDALEN

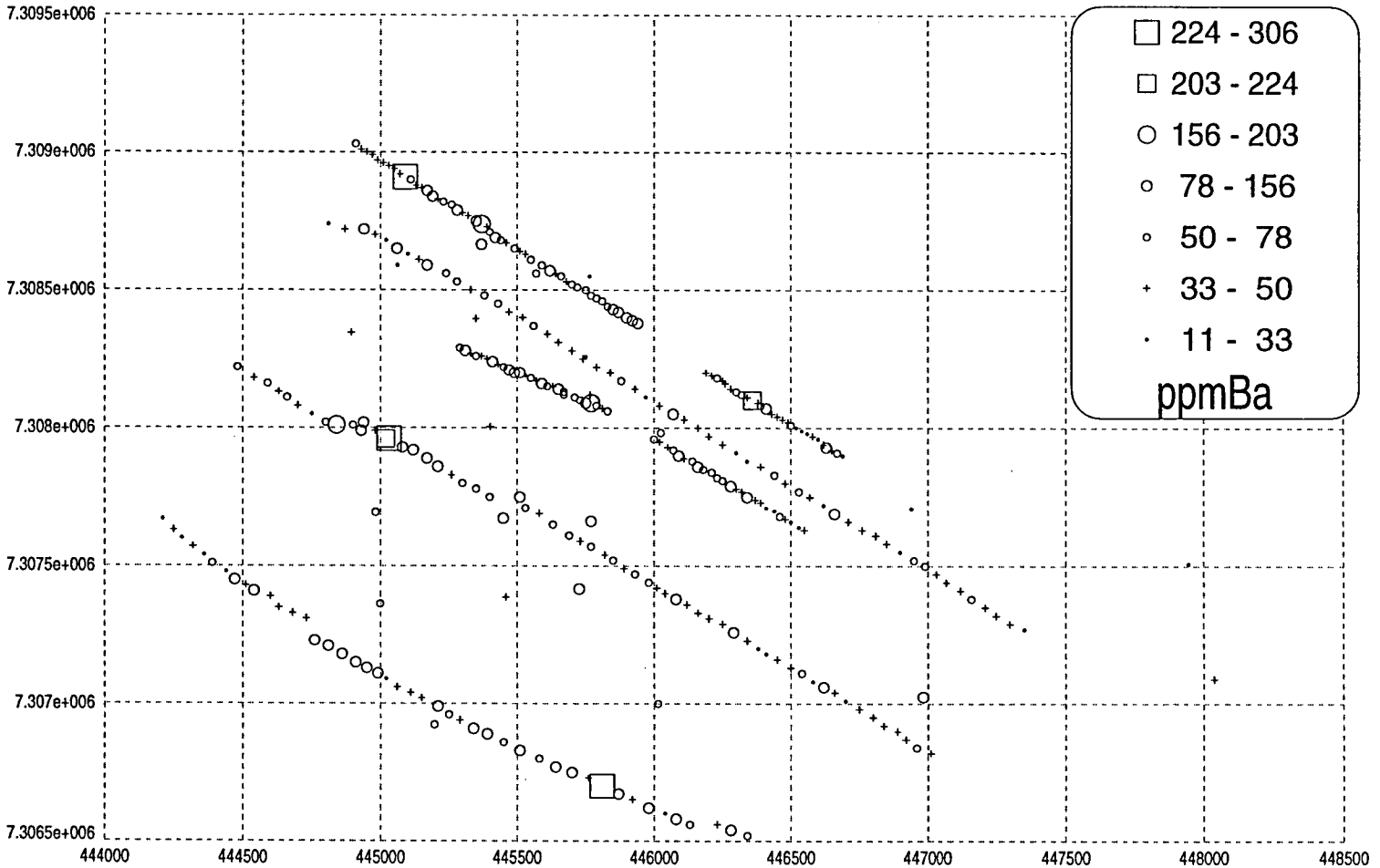


SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


HALLVARDDALEN
meter N
meter E
ppmCu
177 - 241
151 - 177
108 - 151
56 - 108
35 - 56
19 - 35
1 - 19
MARBLE
GARNET MICA SCHIST
AMPHIBOLITE
PSAMMITIC SCHIST
QUARTZ FELDSPAR SCHIST
FELDSPAR GNEISS
GARNET MICA SCHIST
AMPHIBOLITE
GARNET MICA CALC-CAREOUS SCHIST
232
241
7.3095e+006
7.309e+006
7.3085e+006
7.308e+006
7.3075e+006
7.307e+006
7.3065e+006
444000
444500
445000
445500
446000
446500
447000
447500
448000
448500
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES
1 : 25.000
0 250 500 m

HALLVARDDALEN



1 : 25.000

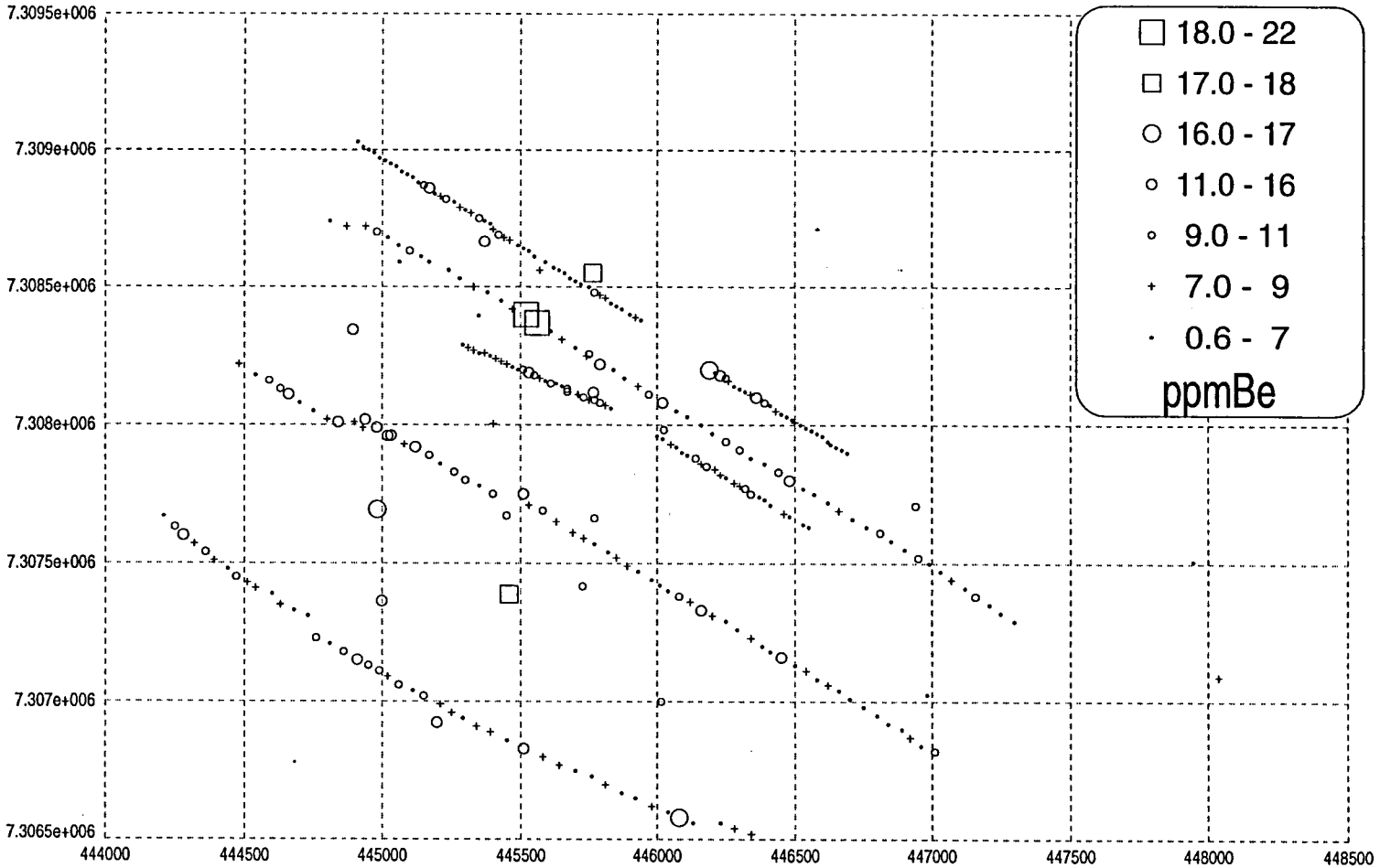
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



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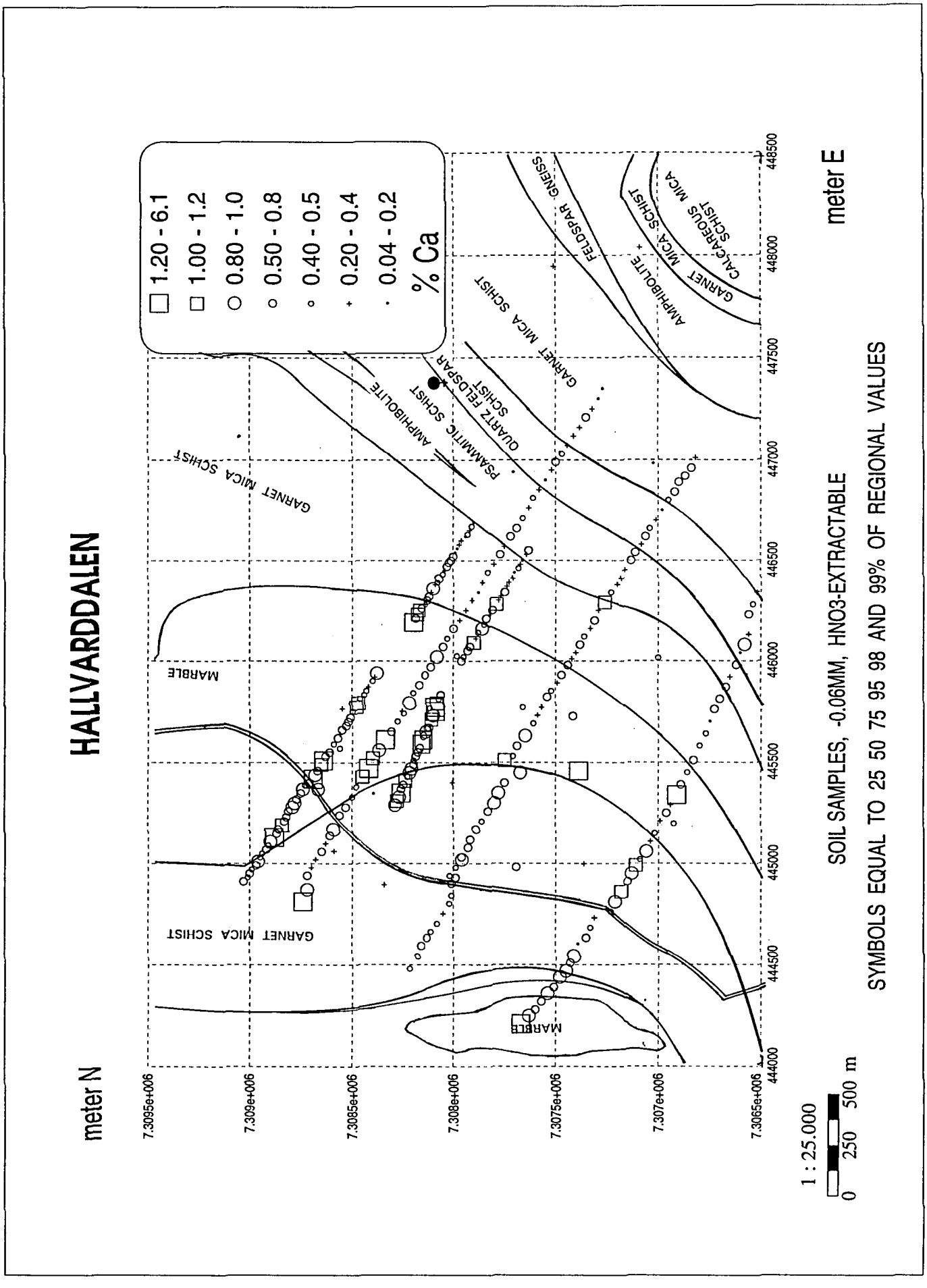
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


HALLVARDDALEN
meter N
meter E
1.20 - 6.1
1.00 - 1.2
0.80 - 1.0
0.50 - 0.8
0.40 - 0.5
0.20 - 0.4
0.04 - 0.2
% Ca
MARBLE
GARNET MICA SCHIST
AMPHIBOLITE
PSAMMITIC SCHIST
QUARTZ FELDSPAR SCHIST
GARNET MICA SCHIST
FELDSPAR GNEISS
AMPHIBOLITE
GARNET MICA SCHIST
CALCAREOUS MICA SCHIST
7.3095e+006
7.309e+006
7.3085e+006
7.308e+006
7.3075e+006
7.307e+006
7.3065e+006
444000
444500
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447500
448000
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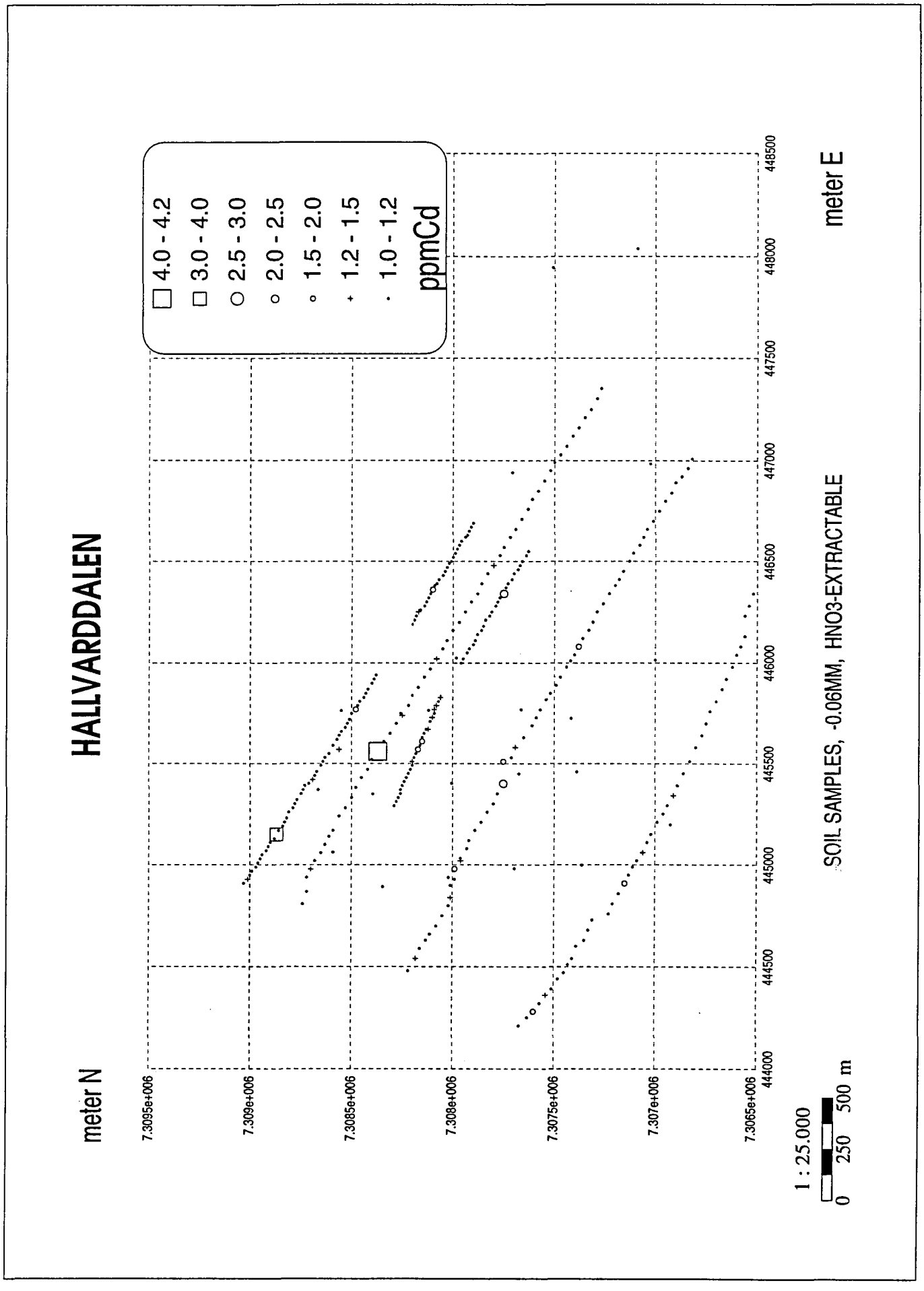
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25 50 75 95 98 AND 99% OF REGIONAL VALUES
1 : 25.000
0 250 500 m


HALLVARDDALEN
meter N
meter E
ppmCd
4.0 - 4.2
3.0 - 4.0
2.5 - 3.0
2.0 - 2.5
1.5 - 2.0
1.2 - 1.5
1.0 - 1.2
7.3095e+006
7.309e+006
7.3085e+006
7.308e+006
7.3075e+006
7.307e+006
7.3065e+006
444000
444500
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445500
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446500
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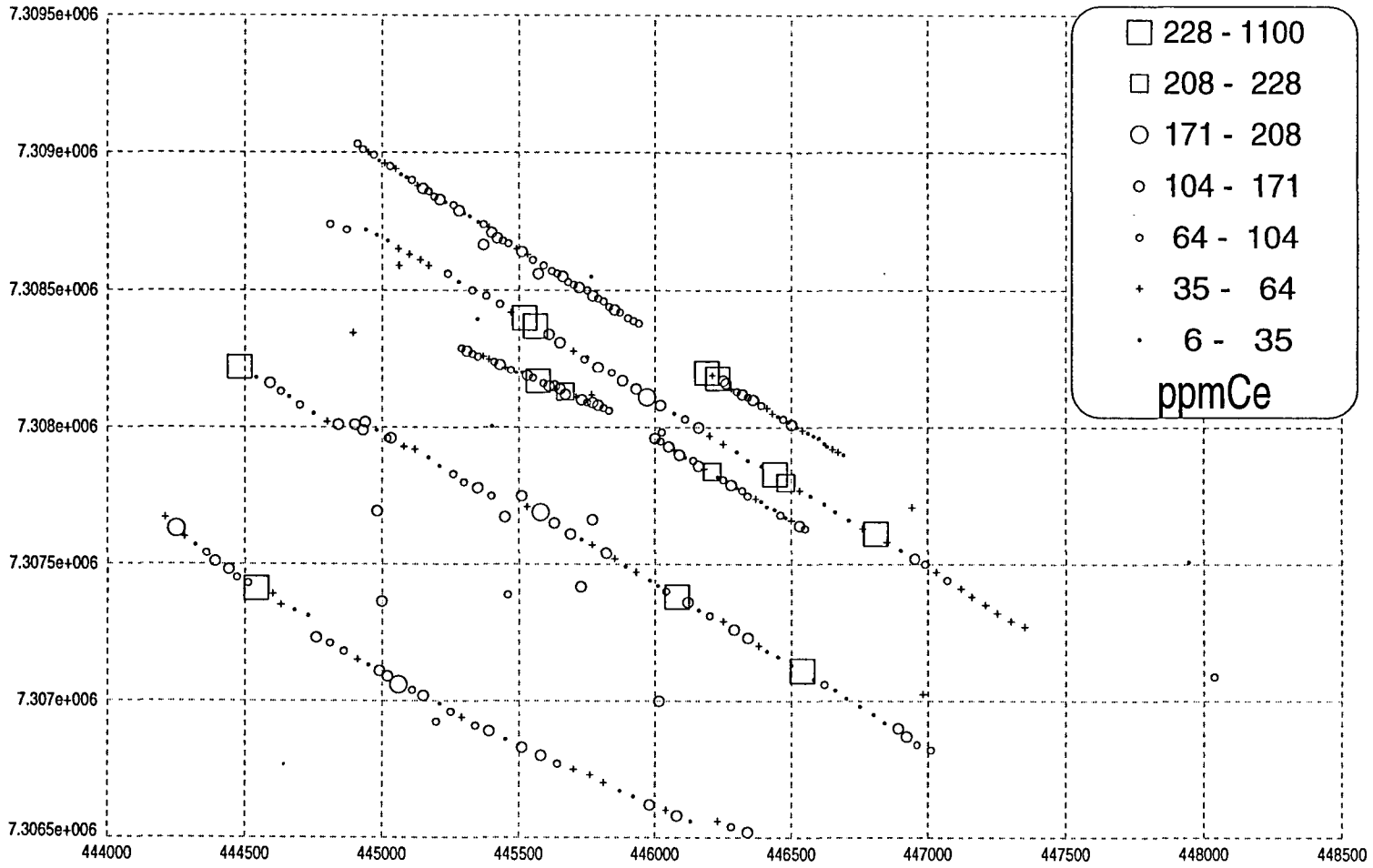
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
1 : 25.000
0 250 500 m

HALLVARDDALEN



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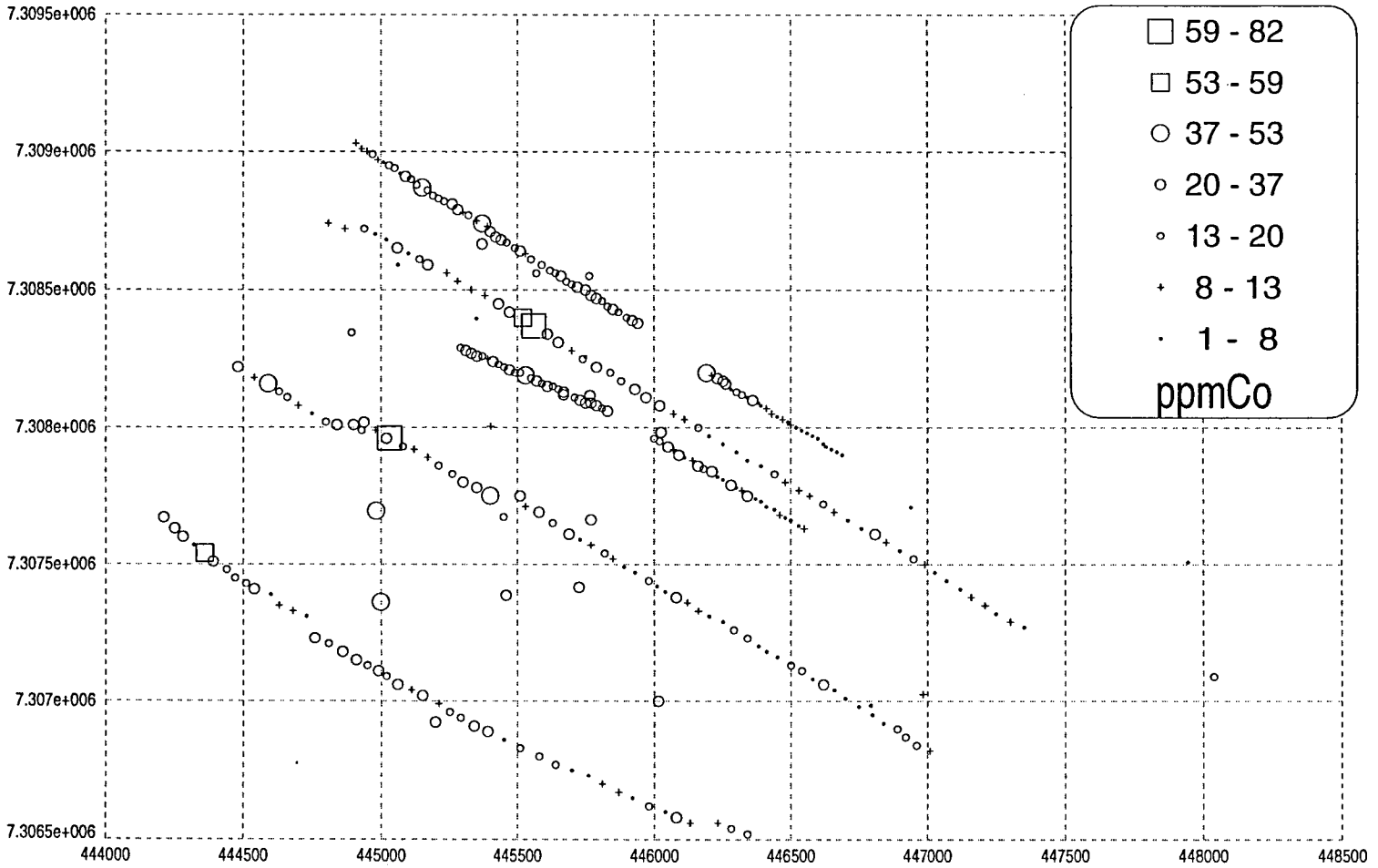
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



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SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

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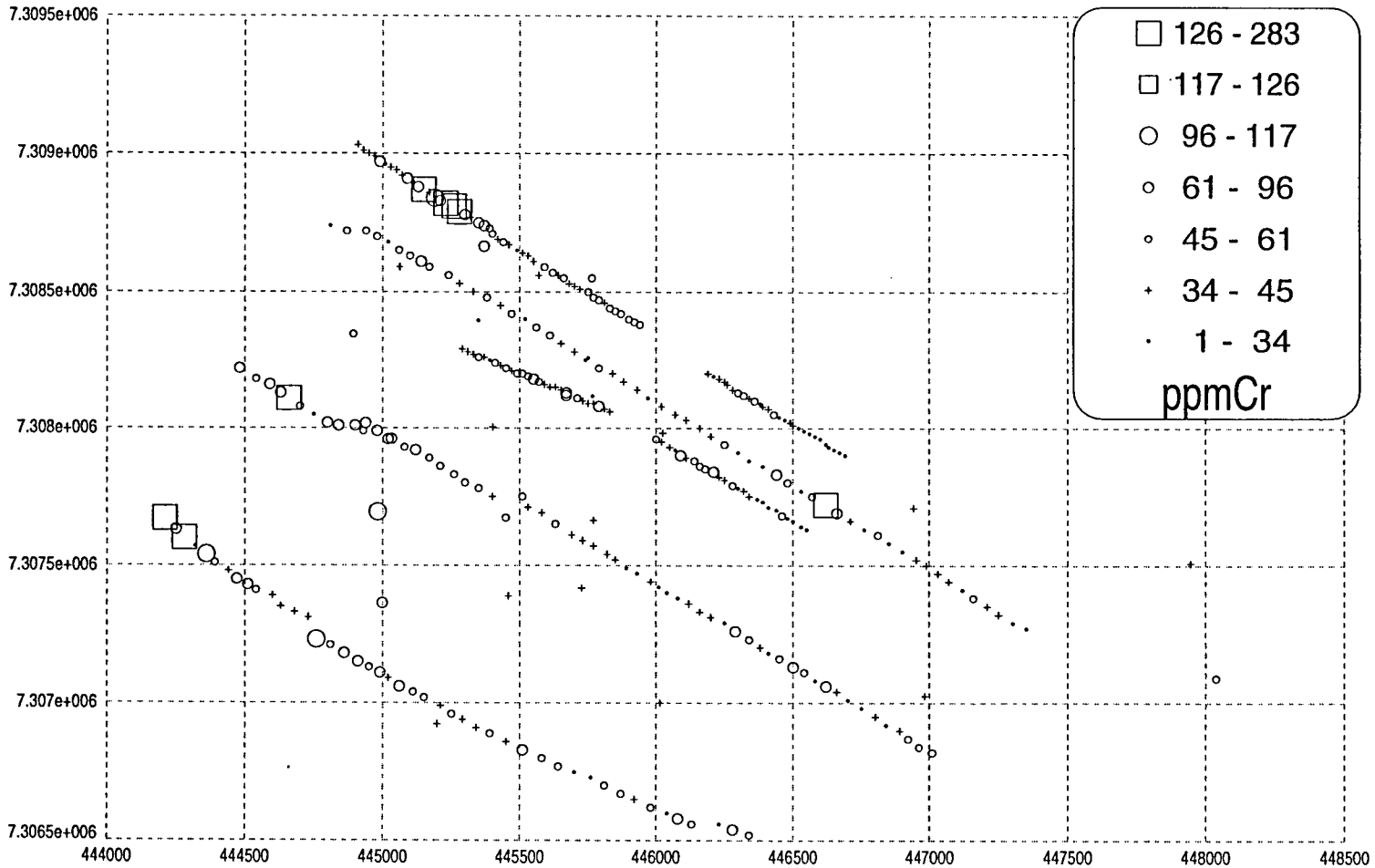

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SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

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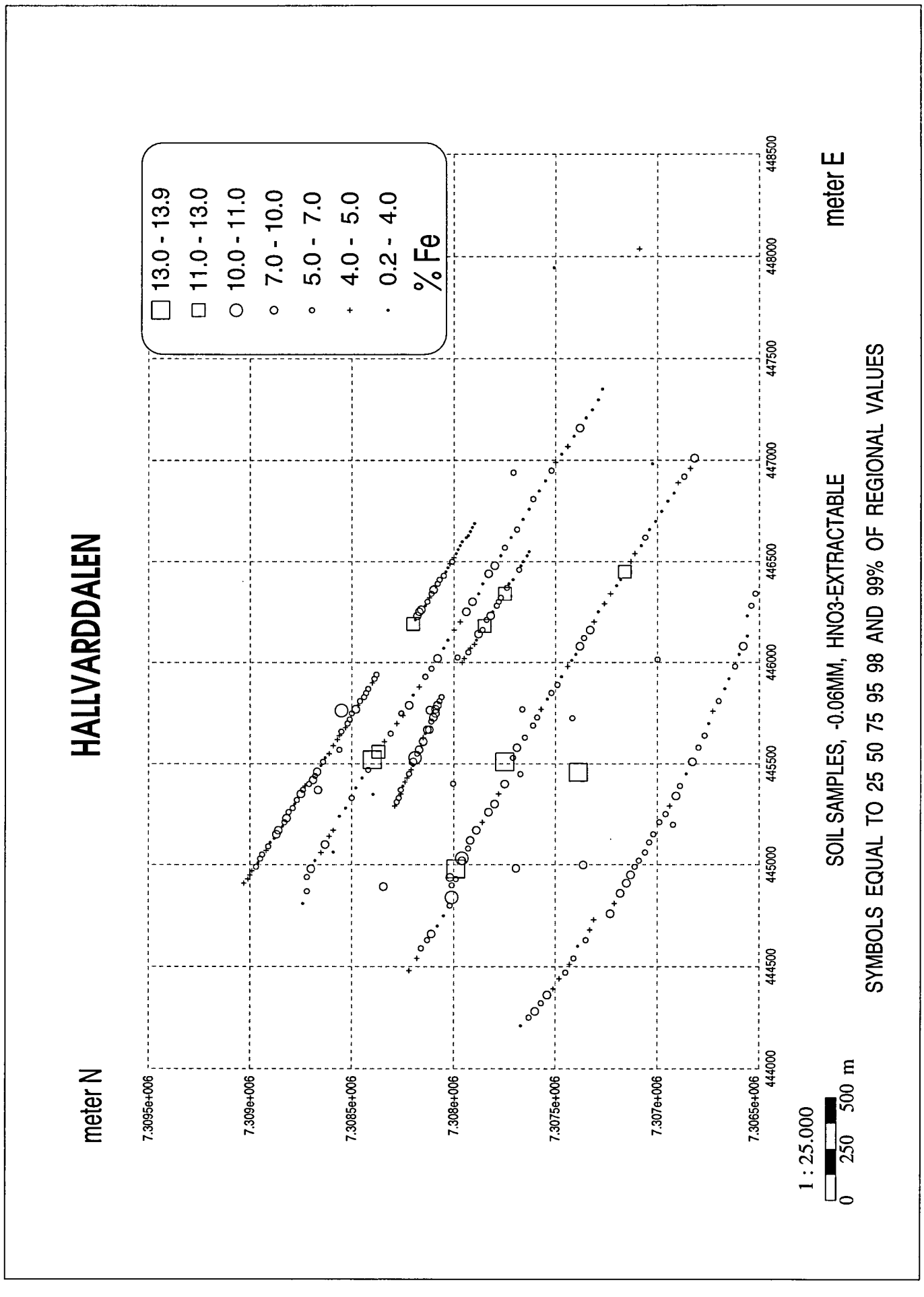
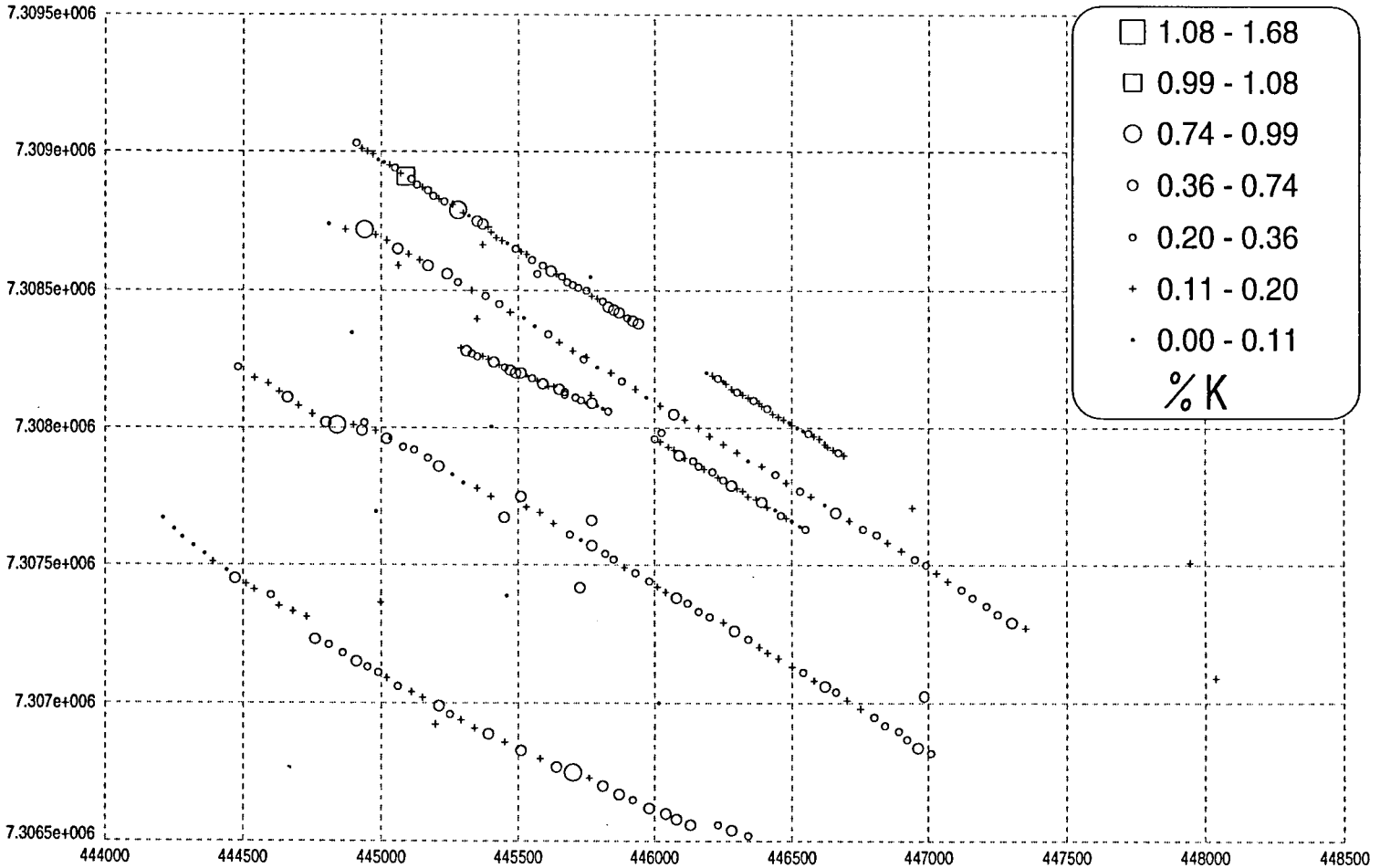
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


HALLVARDDALEN
meter N
meter E
13.0 - 13.9
11.0 - 13.0
10.0 - 11.0
7.0 - 10.0
5.0 - 7.0
4.0 - 5.0
0.2 - 4.0
% Fe
7.3095e+006
7.309e+006
7.3085e+006
7.308e+006
7.3075e+006
7.307e+006
7.3065e+006
444000
444500
445000
445500
446000
446500
447000
447500
448000
448500
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25 50 75 95 98 AND 99% OF REGIONAL VALUES

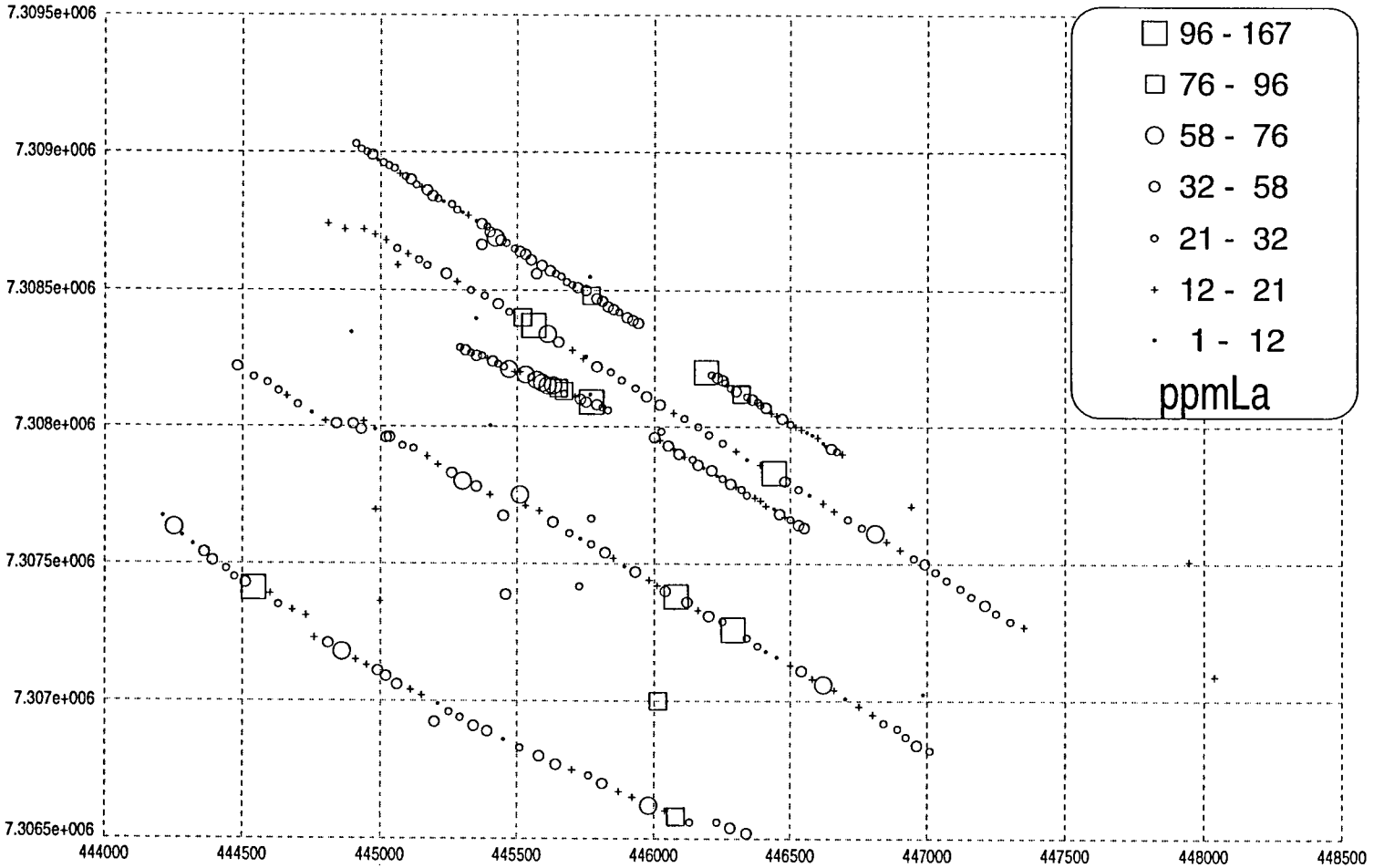
HALLVARDDALEN



SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



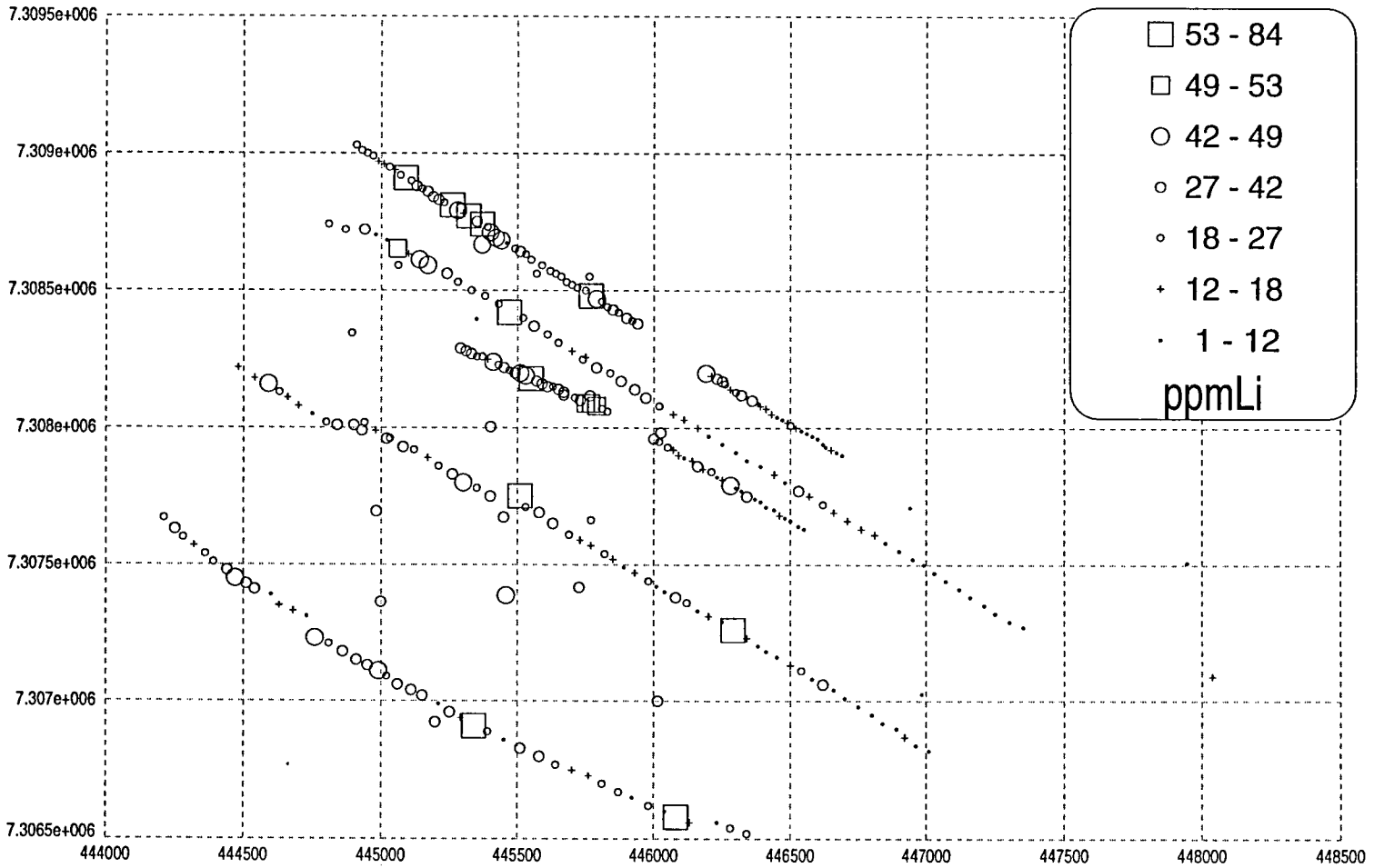
1 : 25.000

0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



1 : 25.000

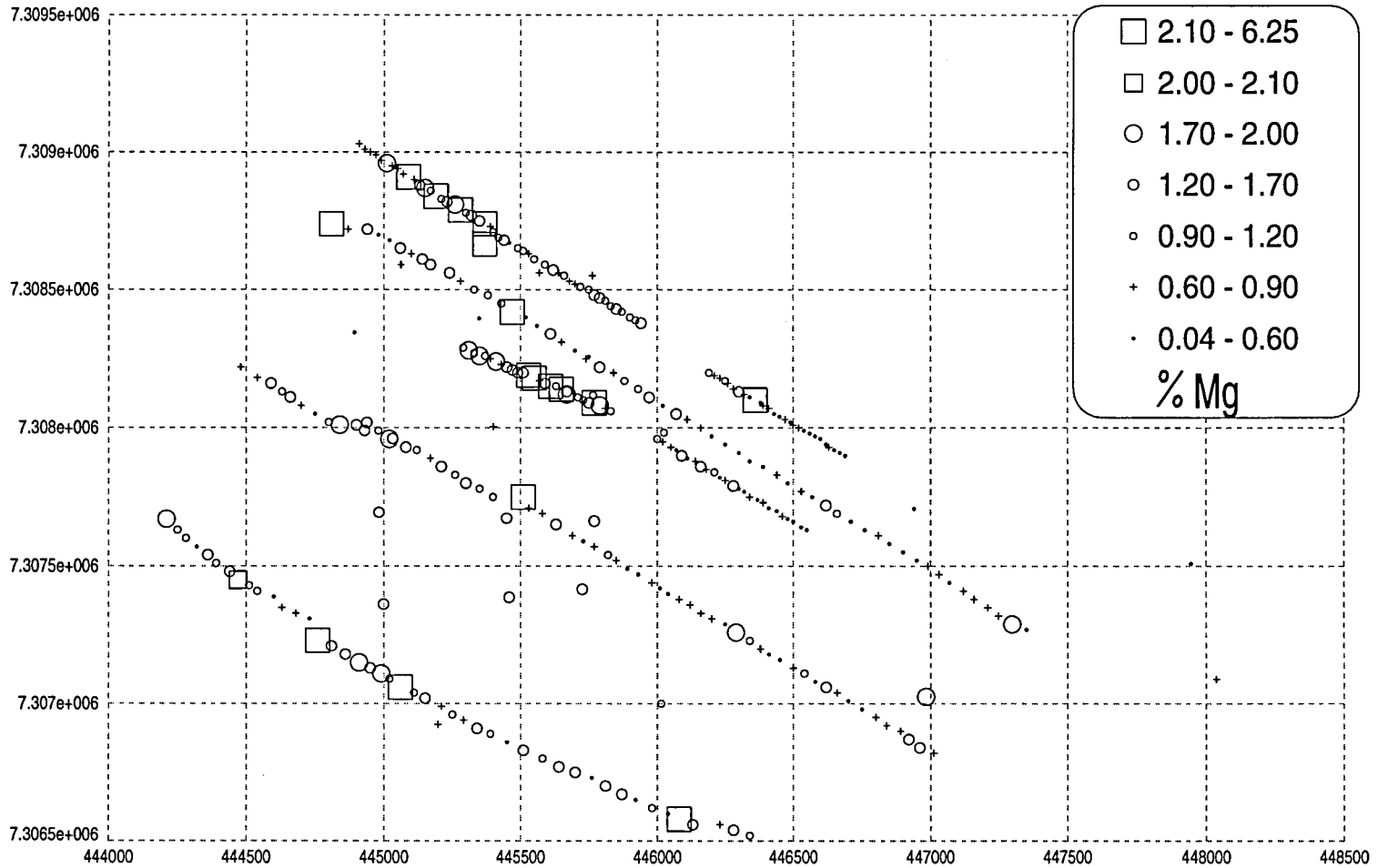
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



1 : 25.000

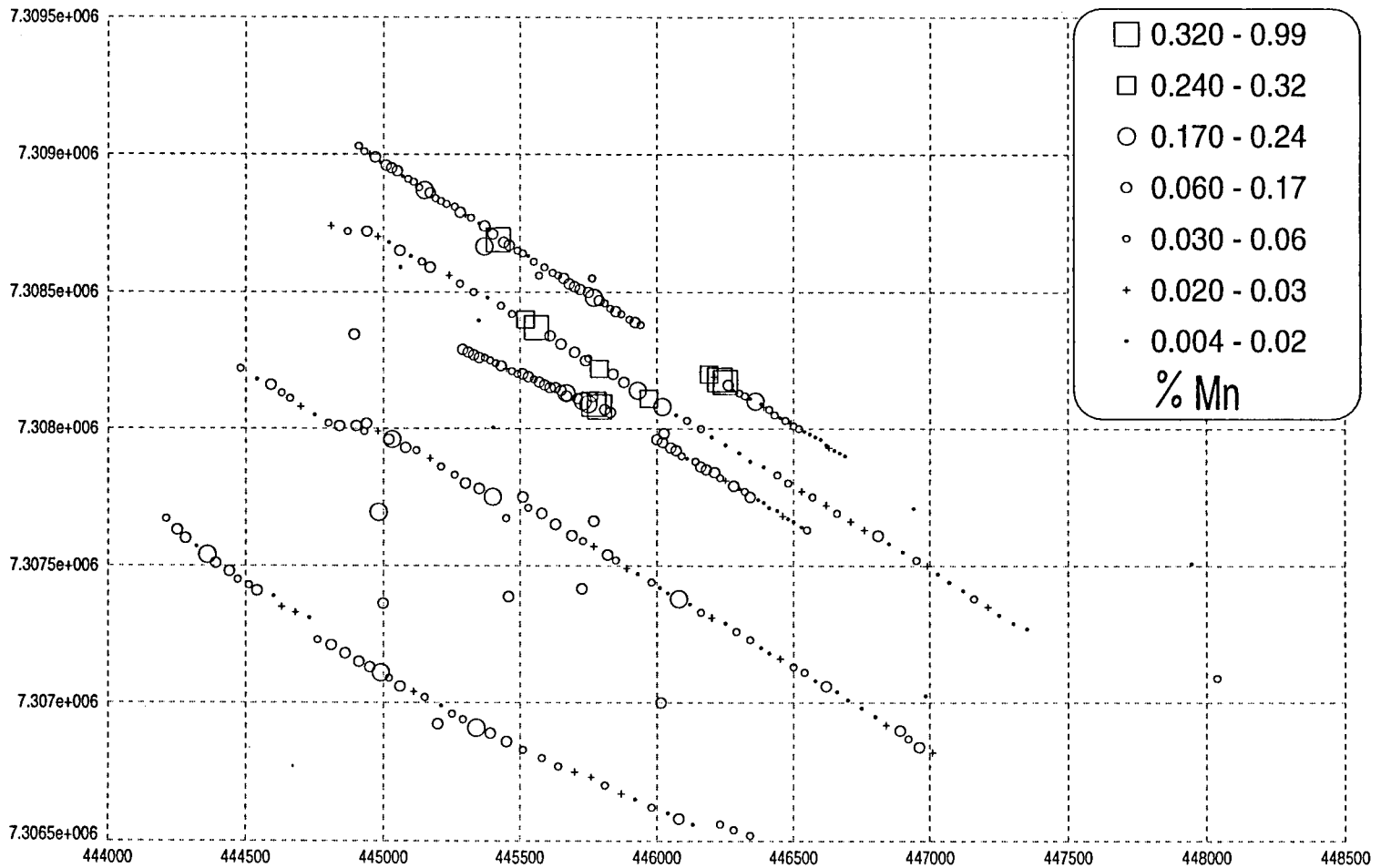
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25 50 75 95 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN

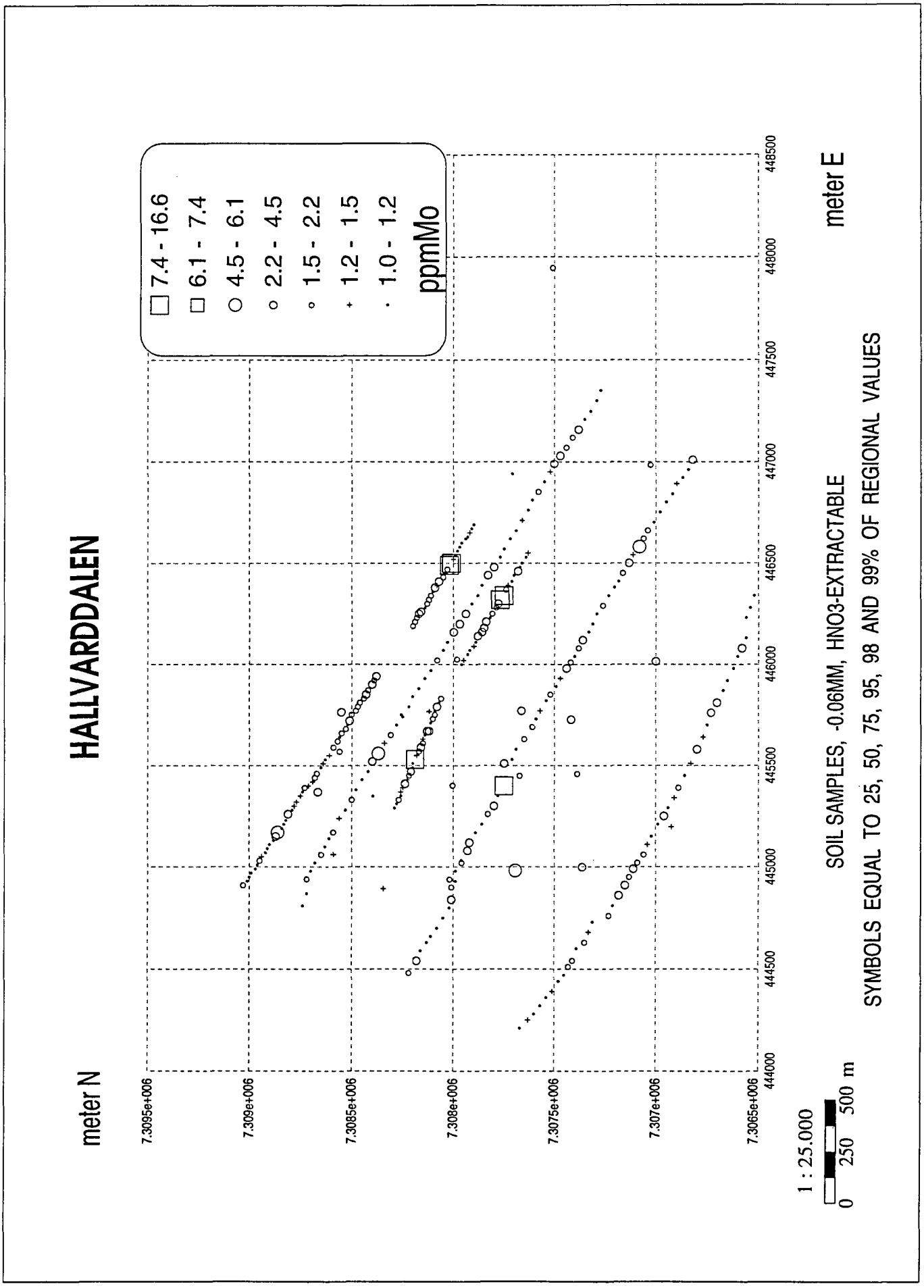


1 : 25.000

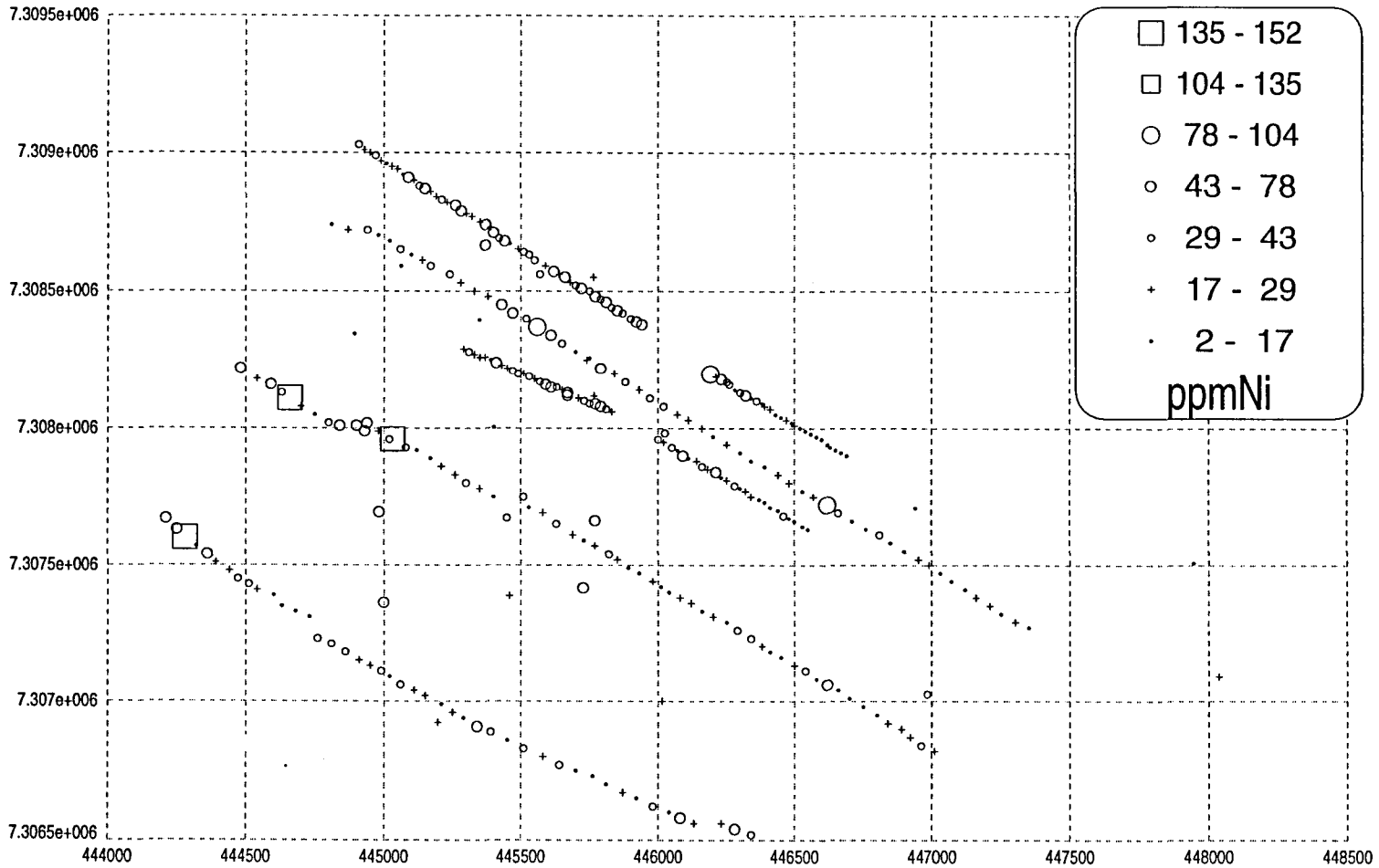
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


HALLVARDDALEN
meter N
7.3095e+006
7.309e+006
7.3085e+006
7.308e+006
7.3075e+006
7.307e+006
7.3065e+006
444000
444500
445000
445500
446000
446500
447000
447500
448000
448500
meter E
7.4 - 16.6
6.1 - 7.4
4.5 - 6.1
2.2 - 4.5
1.5 - 2.2
1.2 - 1.5
1.0 - 1.2
ppmMo
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES
1 : 25.000
0 250 500 m

HALLVARDDALEN



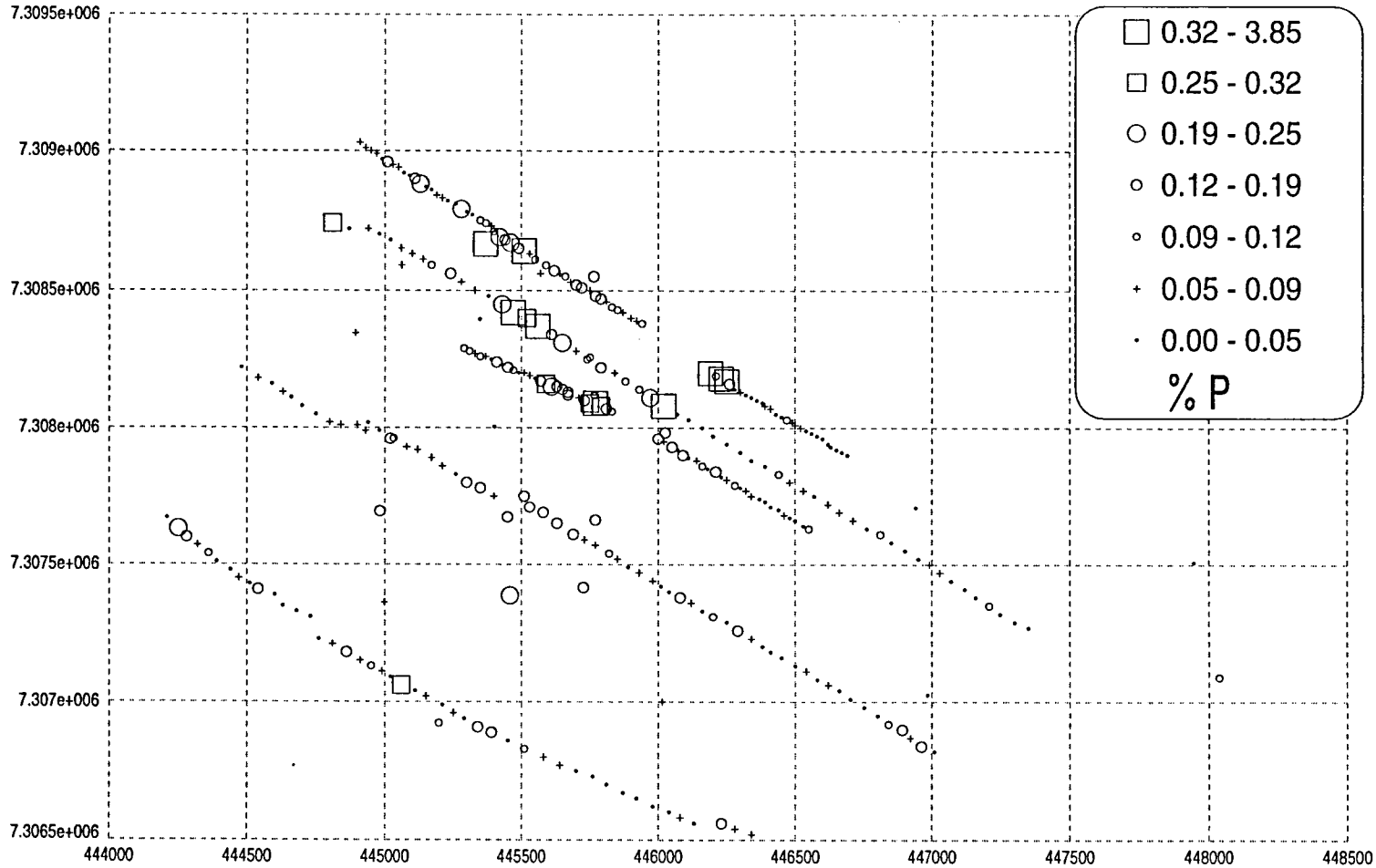
1 : 25.000

0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



1 : 25.000

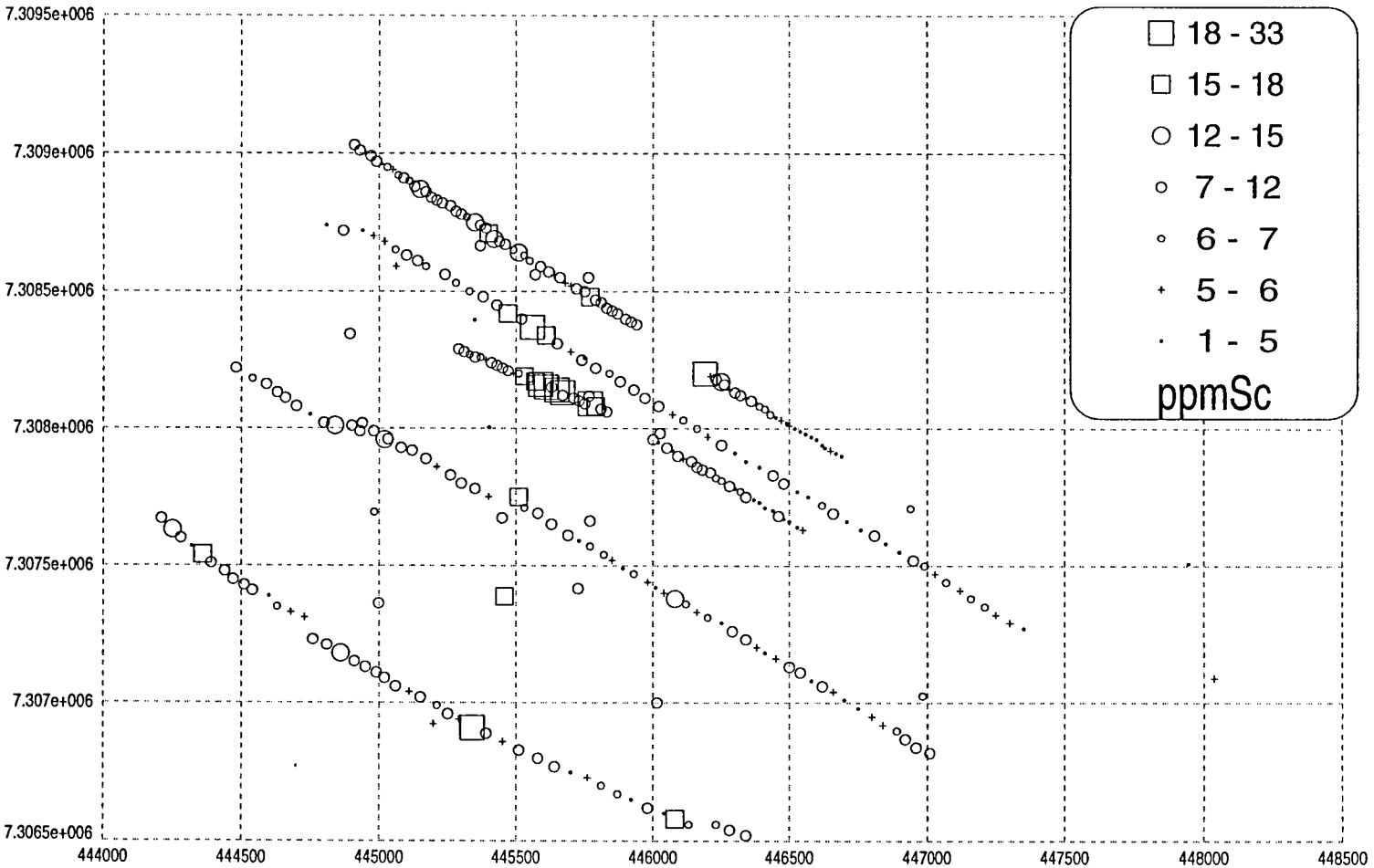
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



1 : 25.000

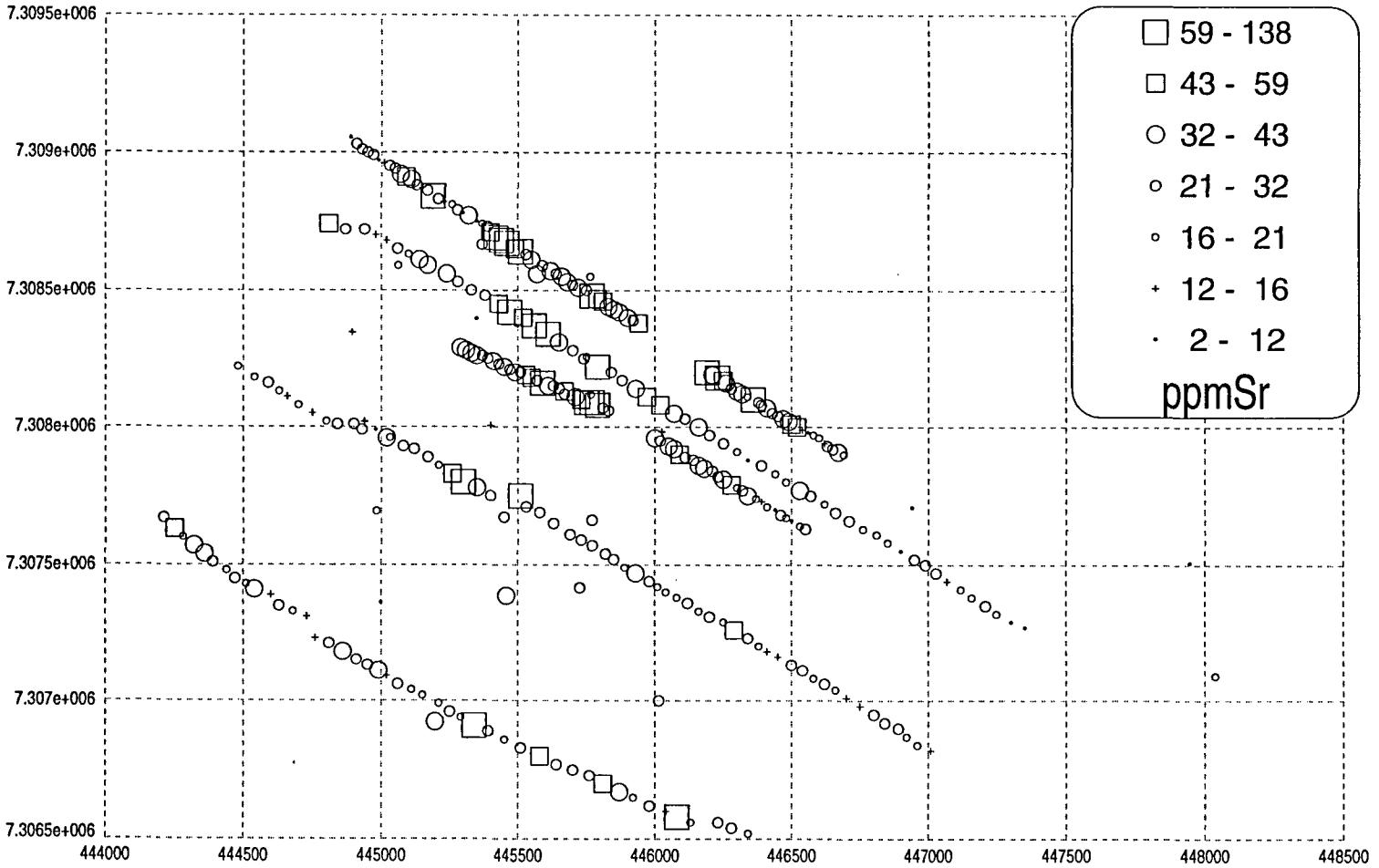
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



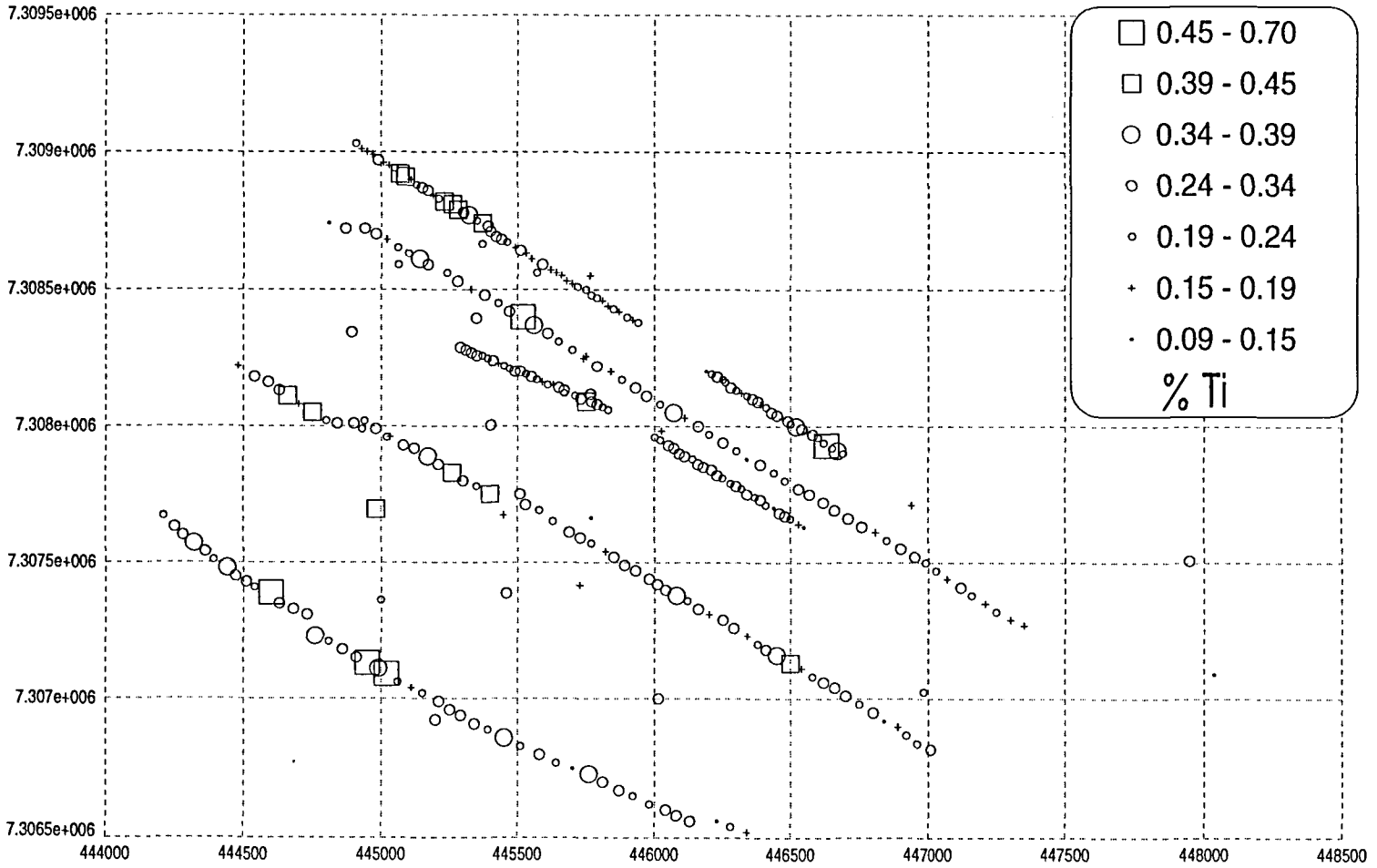
1 : 25.000

0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



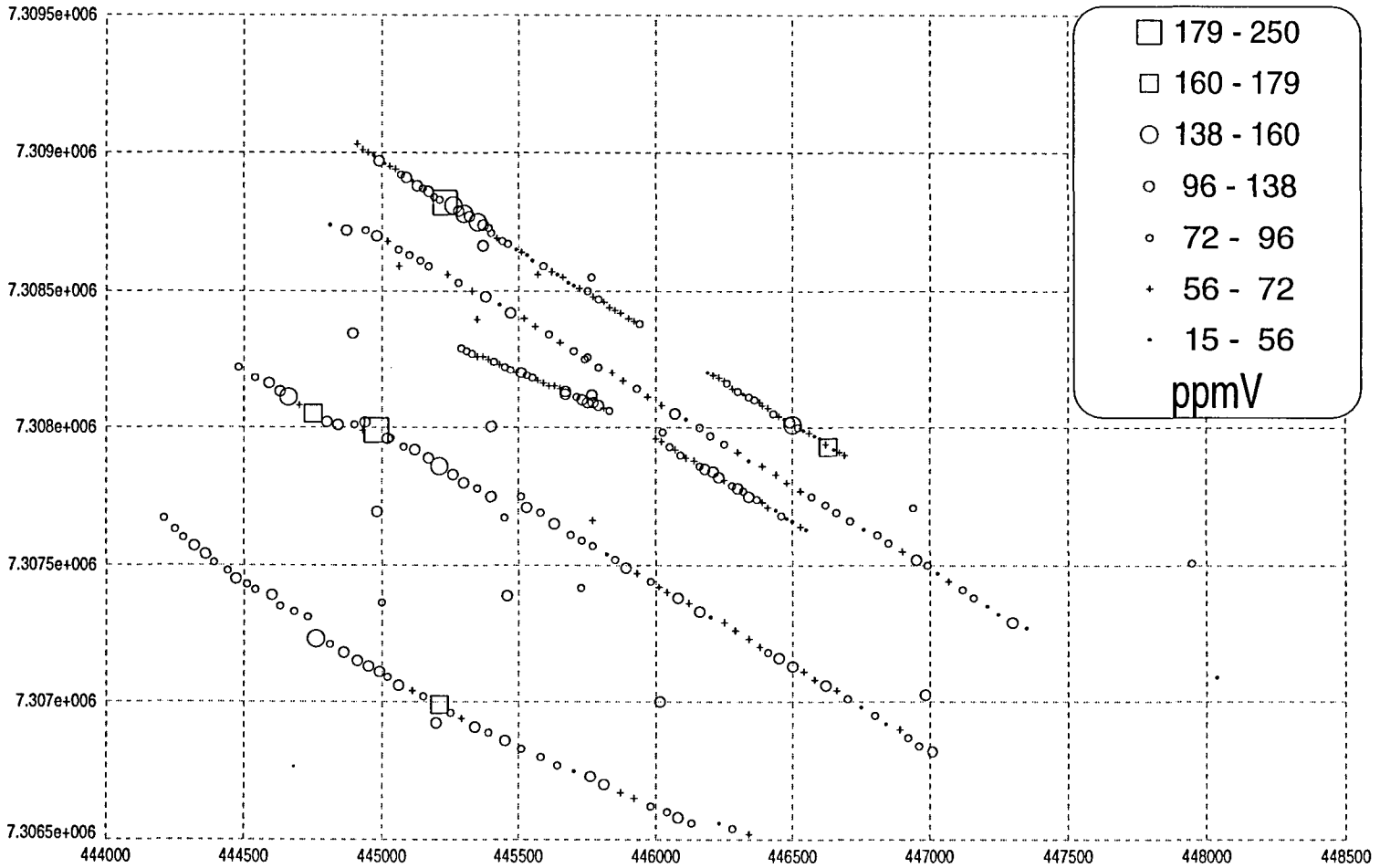
1 : 25.000

0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



1 : 25.000

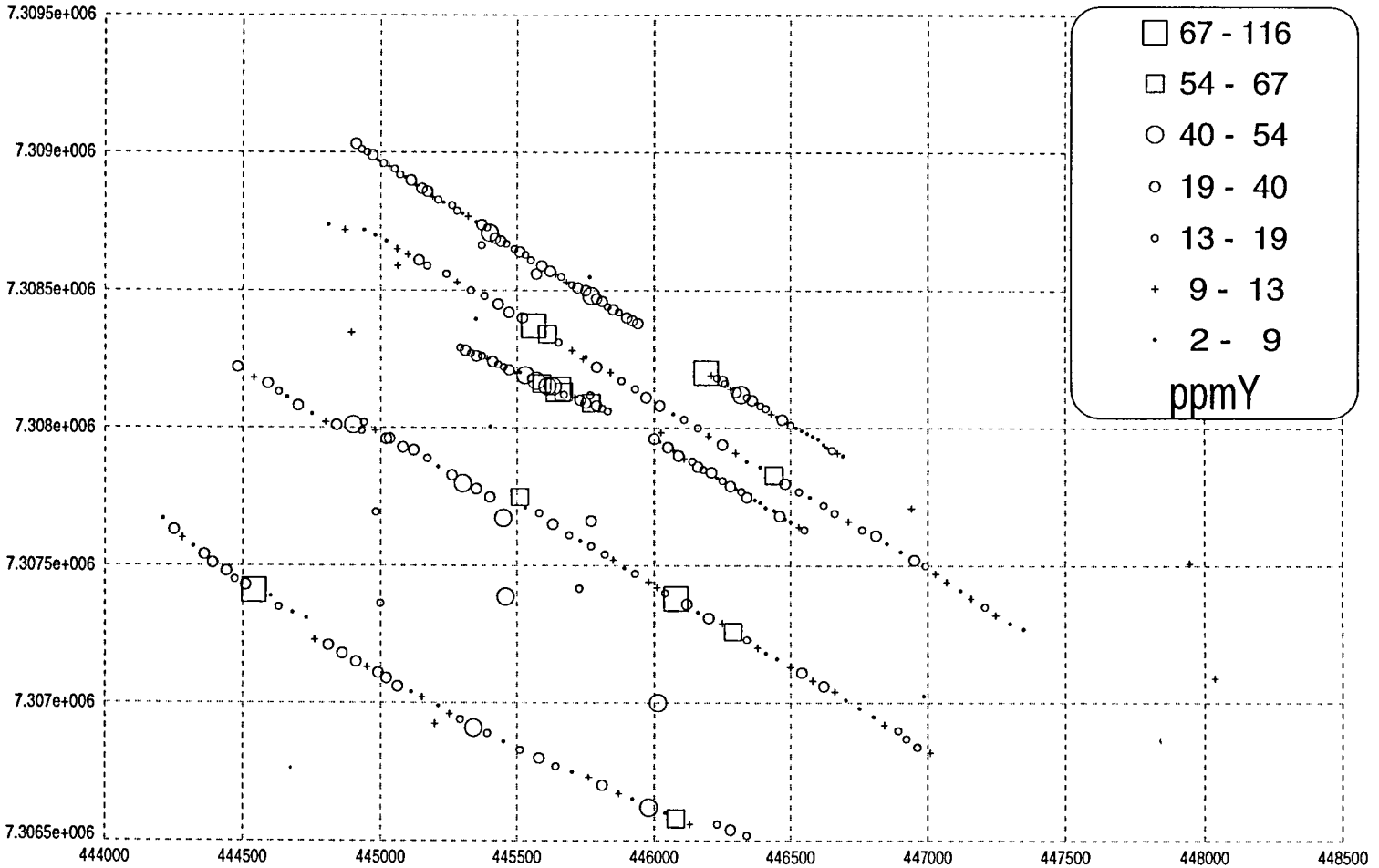
0 250 500 m

SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

meter E

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

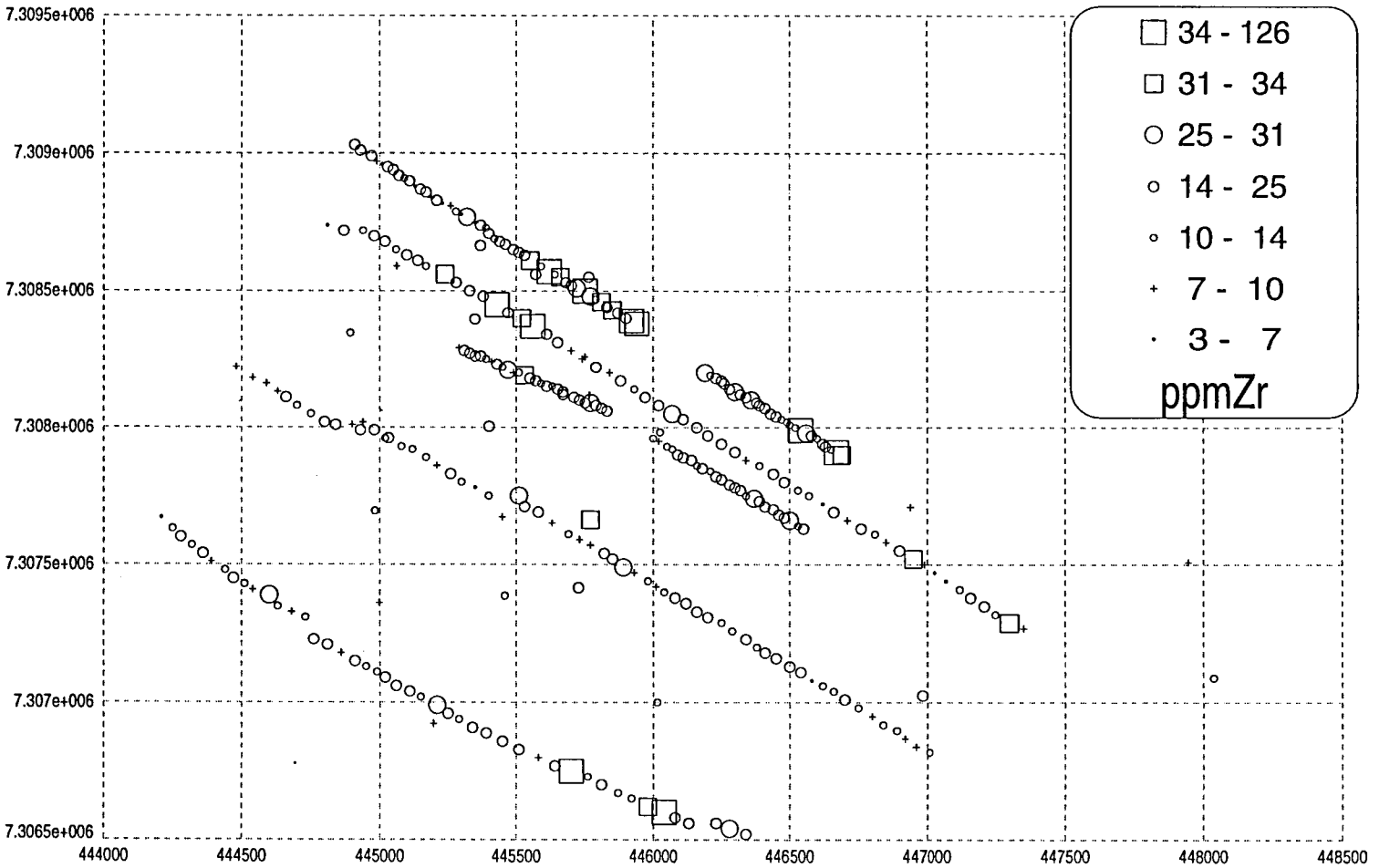
HALLVARDDALEN



SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

HALLVARDDALEN



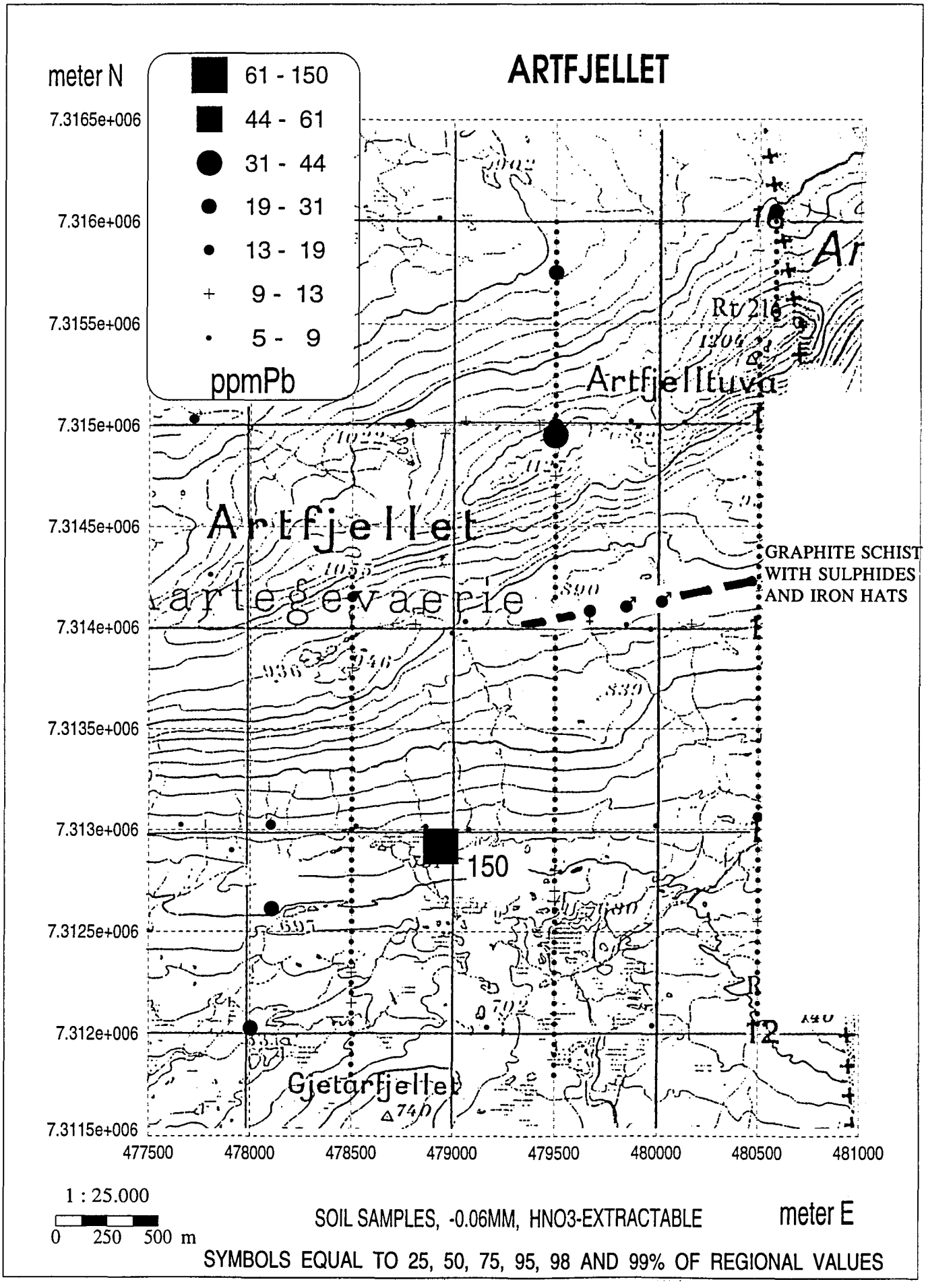
1 : 25.000

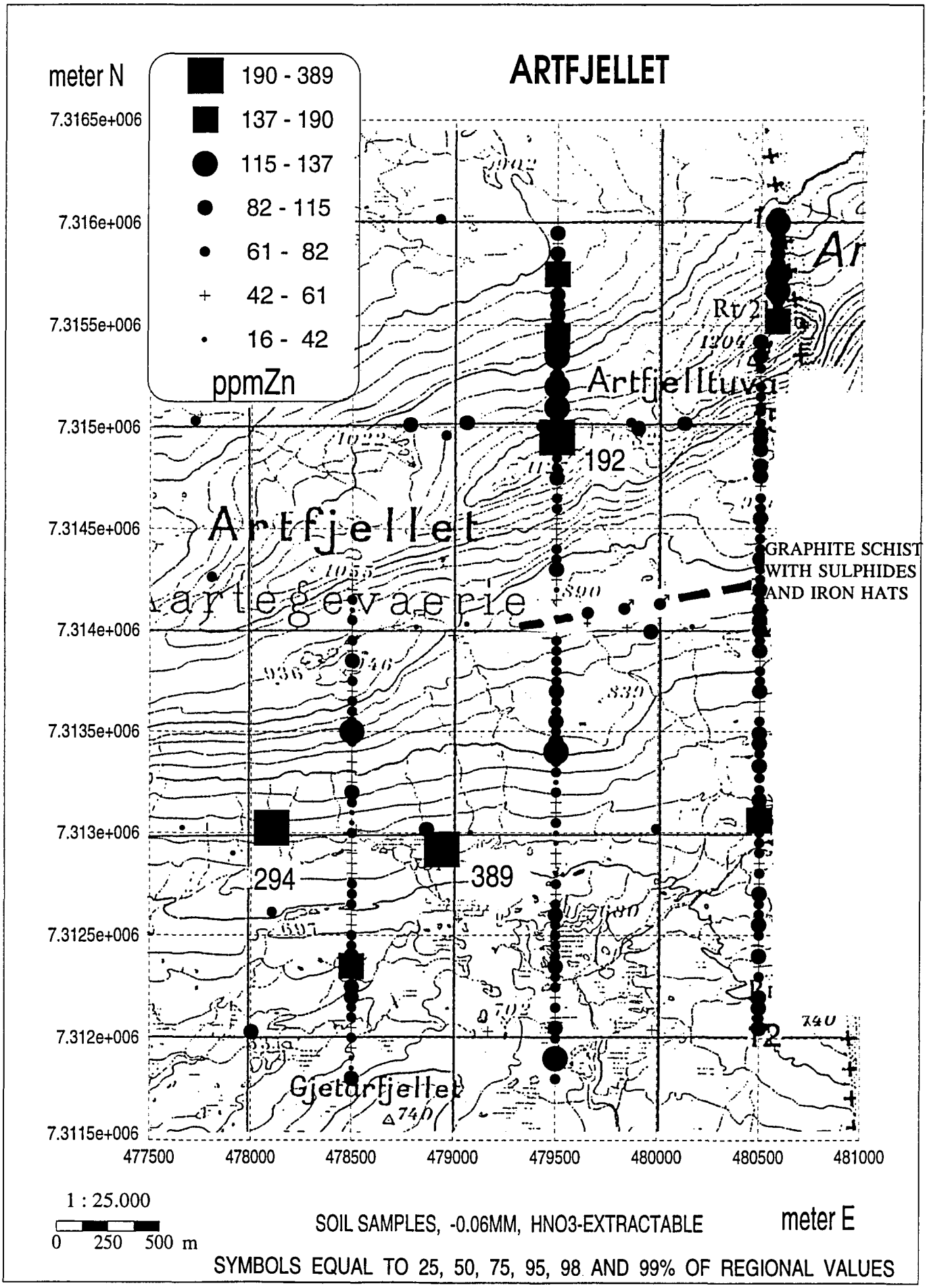
0 250 500 m

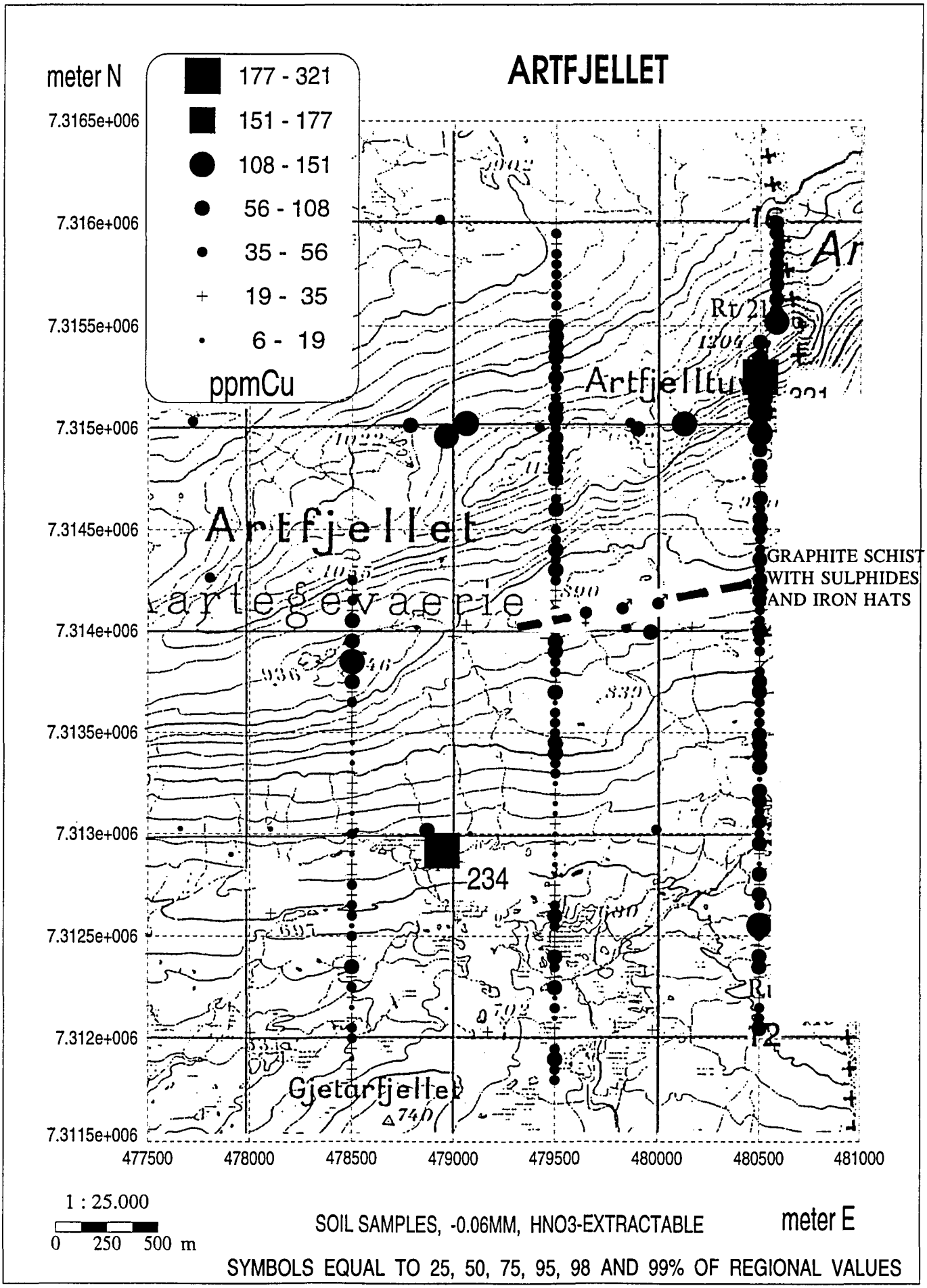
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE

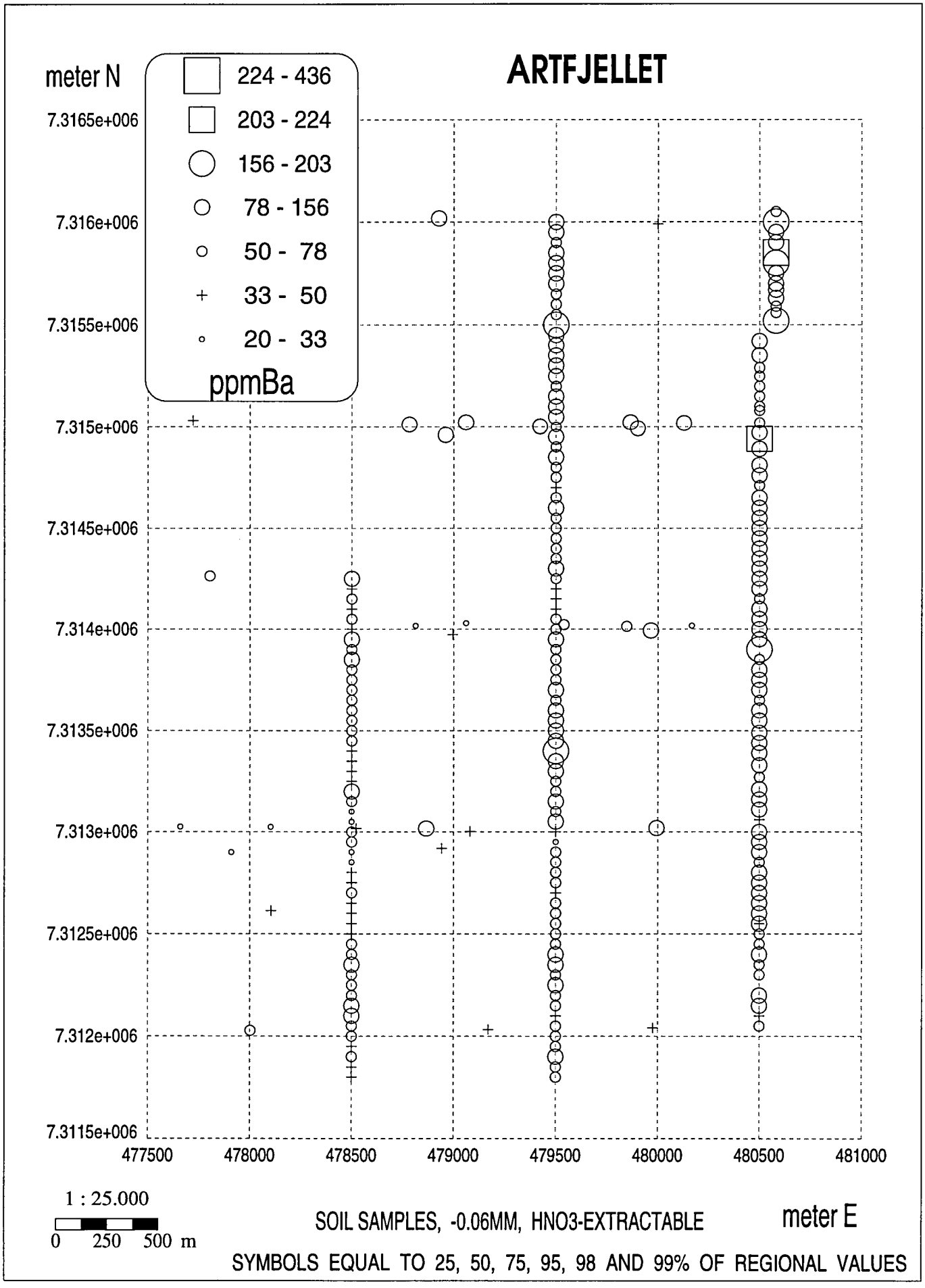
meter E

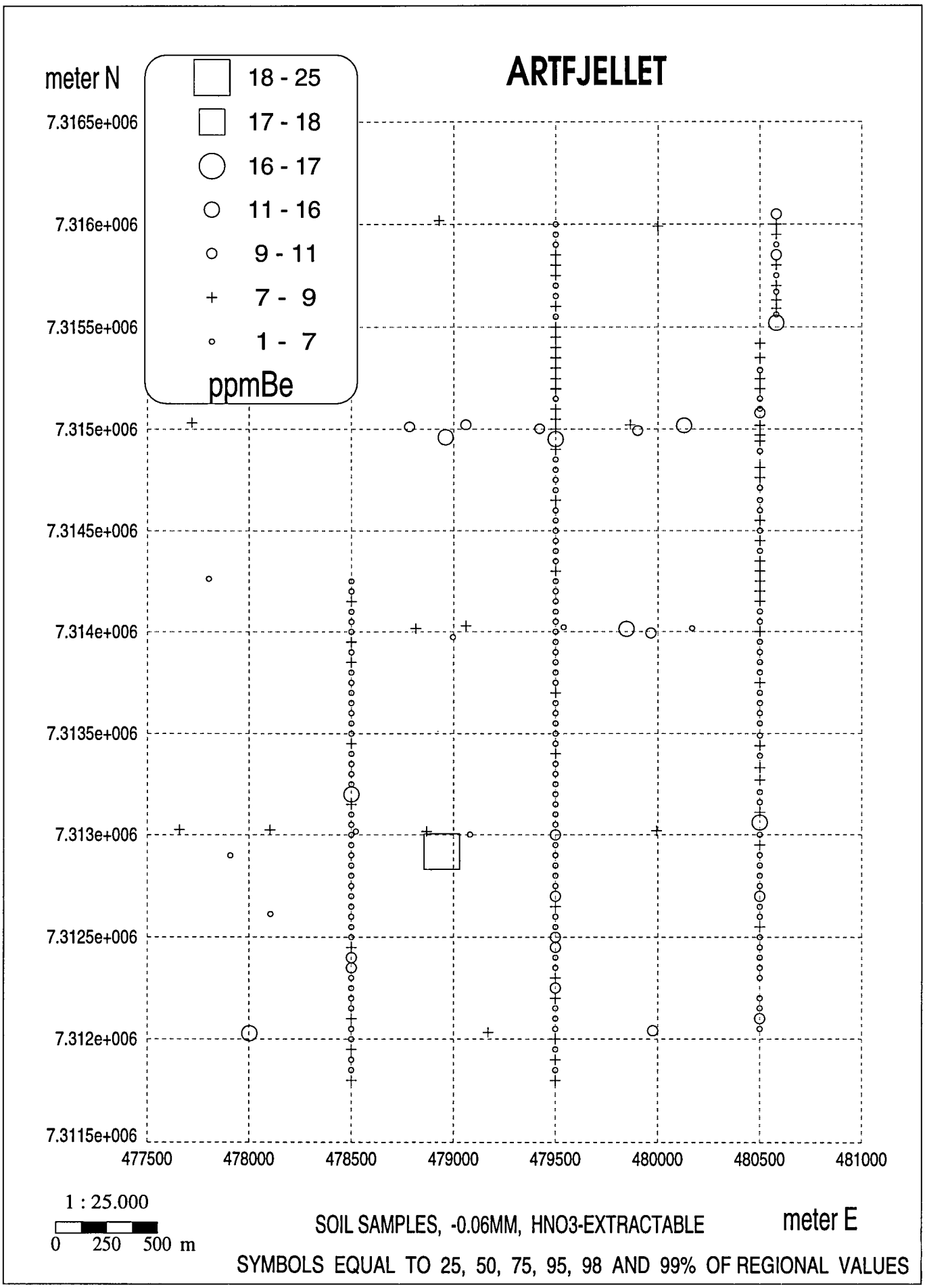
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

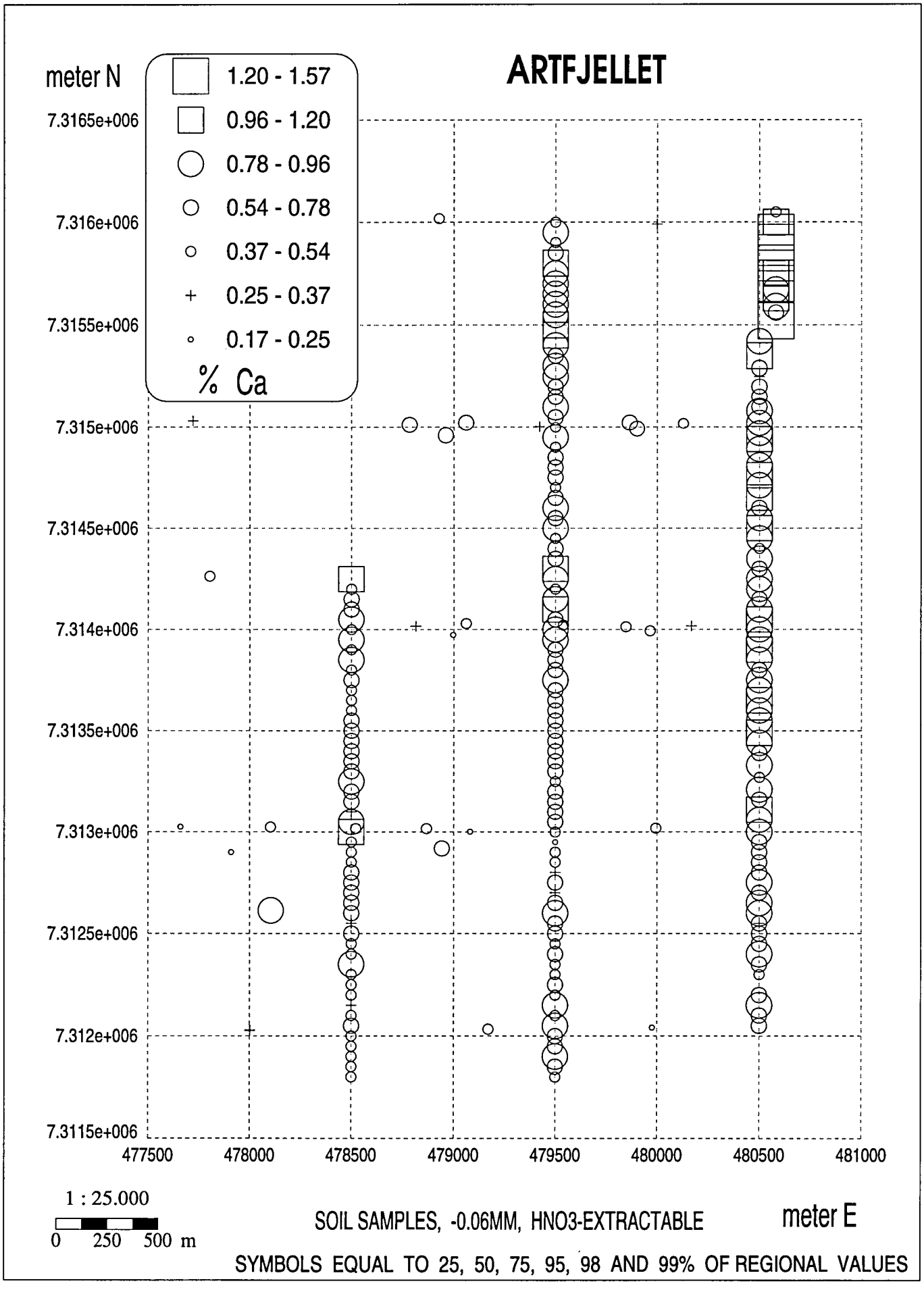

ARTFJELLET
meter N
61 - 150
44 - 61
31 - 44
19 - 31
13 - 19
9 - 13
5 - 9
ppmPb
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
Artfjellet
Artfjelltuva
Rv 216
GRAPHITE SCHIST
WITH SULPHIDES
AND IRON HATS
150
Gjetarfjellet
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

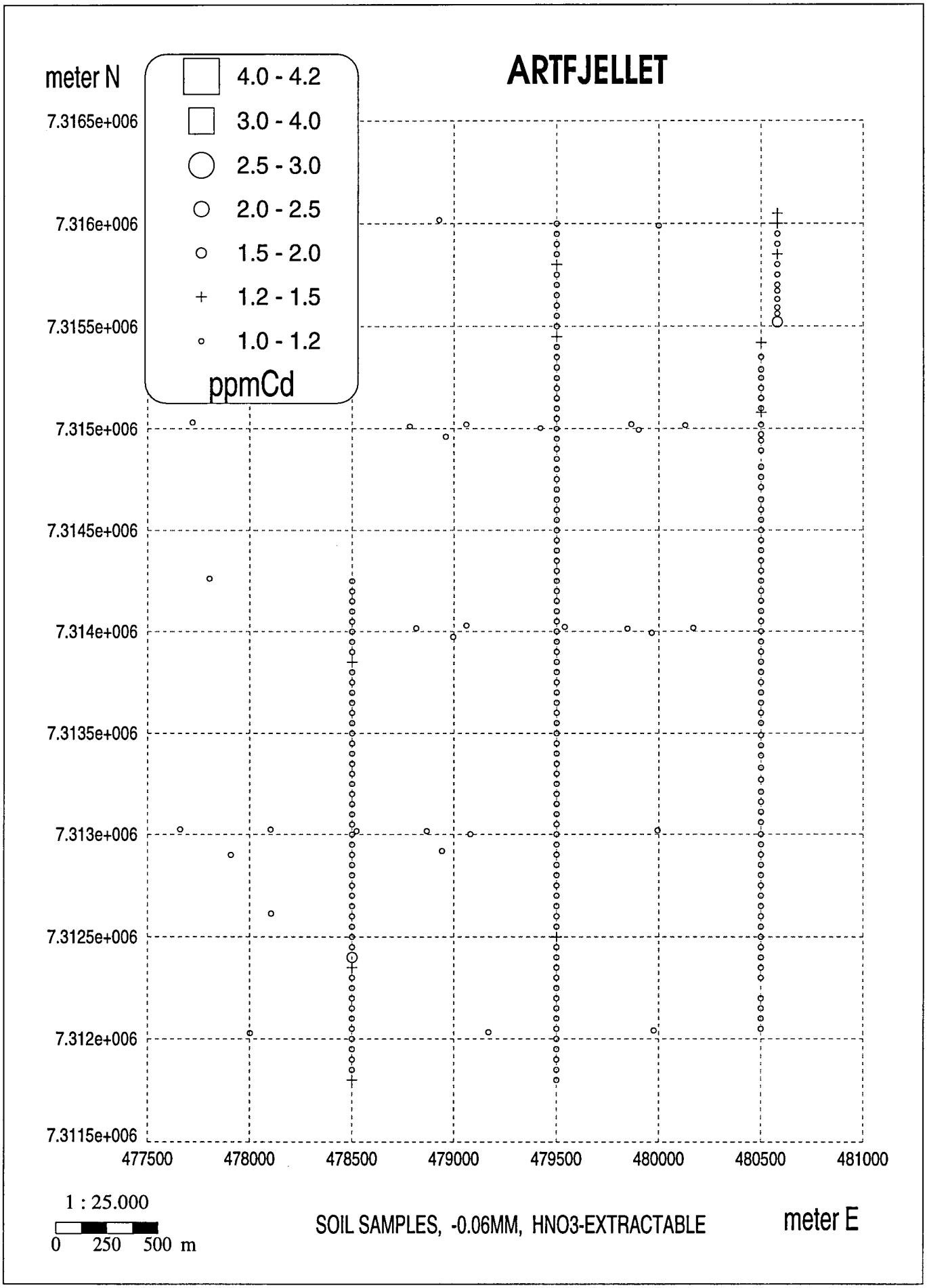

ARTFJELLET
meter N
190 - 389
137 - 190
115 - 137
82 - 115
61 - 82
42 - 61
16 - 42
ppmZn
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
Artfjellet
artiegevaerie
Artfjelltuva
Rv 2
192
294
389
GRAPHITE SCHIST
WITH SULPHIDES
AND IRON HATS
Gjeturfjellet
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

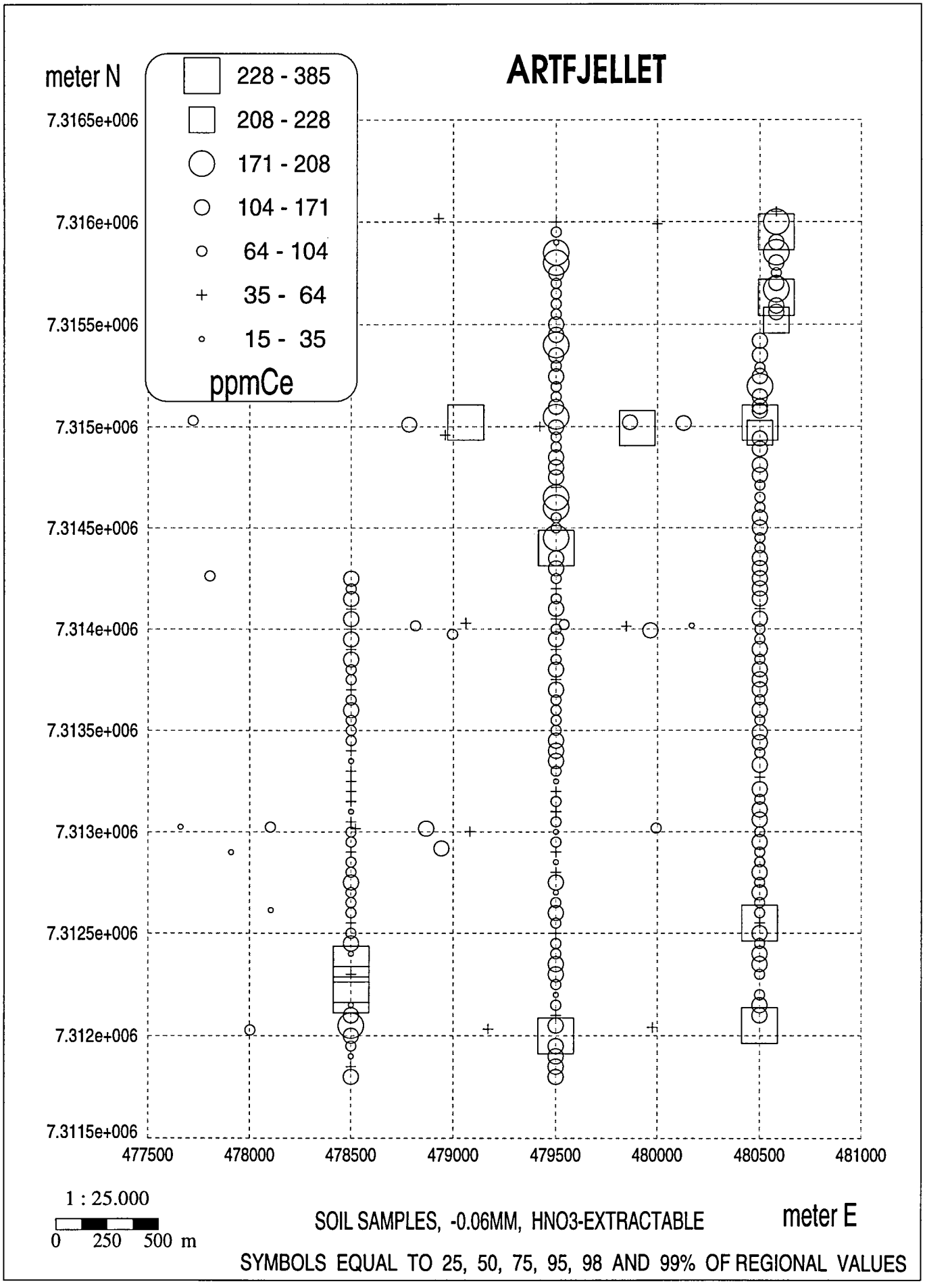

ARTFJELLET
meter N
177 - 321
151 - 177
108 - 151
56 - 108
35 - 56
19 - 35
6 - 19
ppmCu
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
Artfjellet
artsgevaerie
Artfjelltu
Rt/21
GRAPHITE SCHIST
WITH SULPHIDES
AND IRON HATS
234
Gjetarfjellet
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

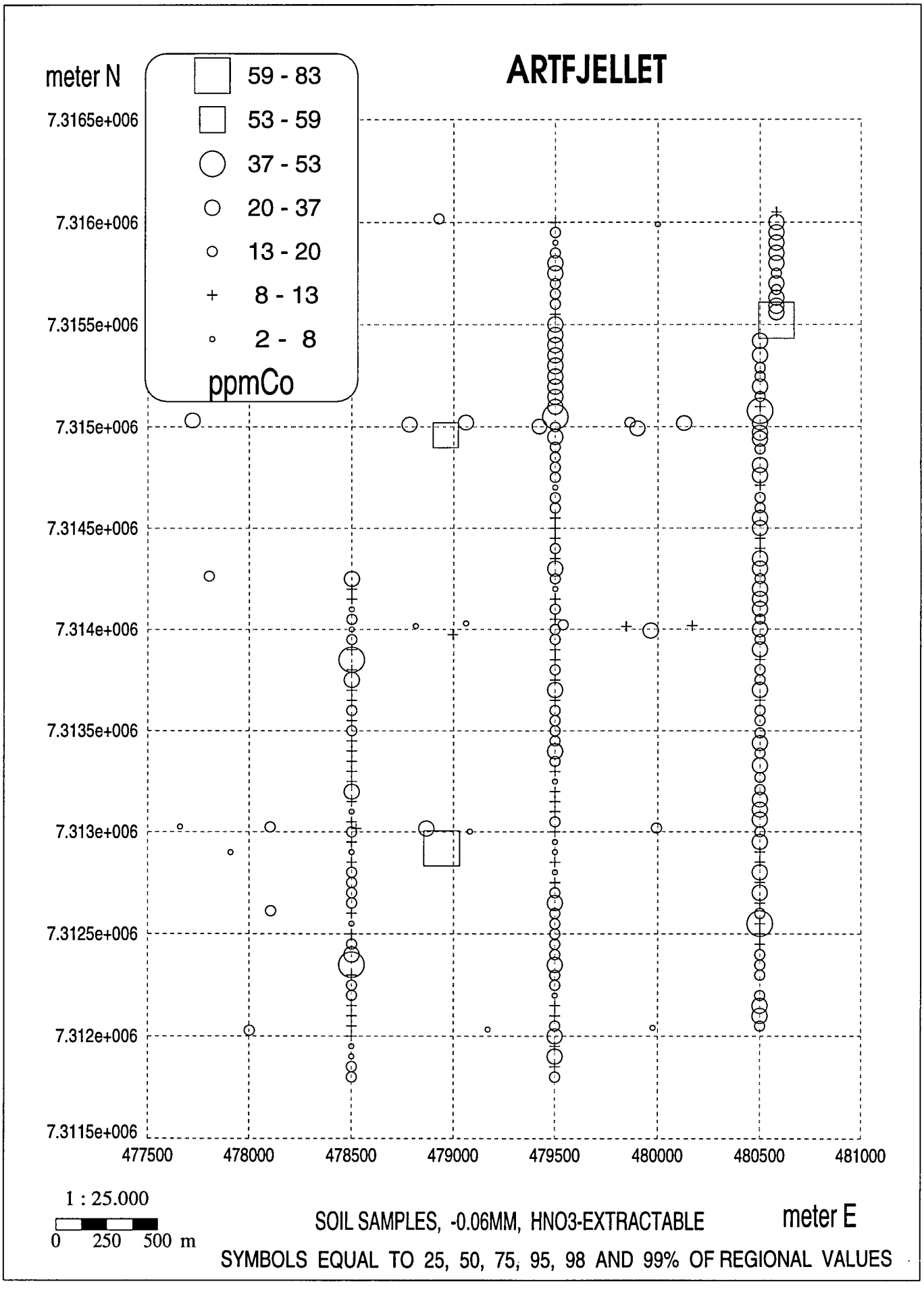

ARTFJELLET
meter N
224 - 436
203 - 224
156 - 203
78 - 156
50 - 78
33 - 50
20 - 33
ppmBa
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

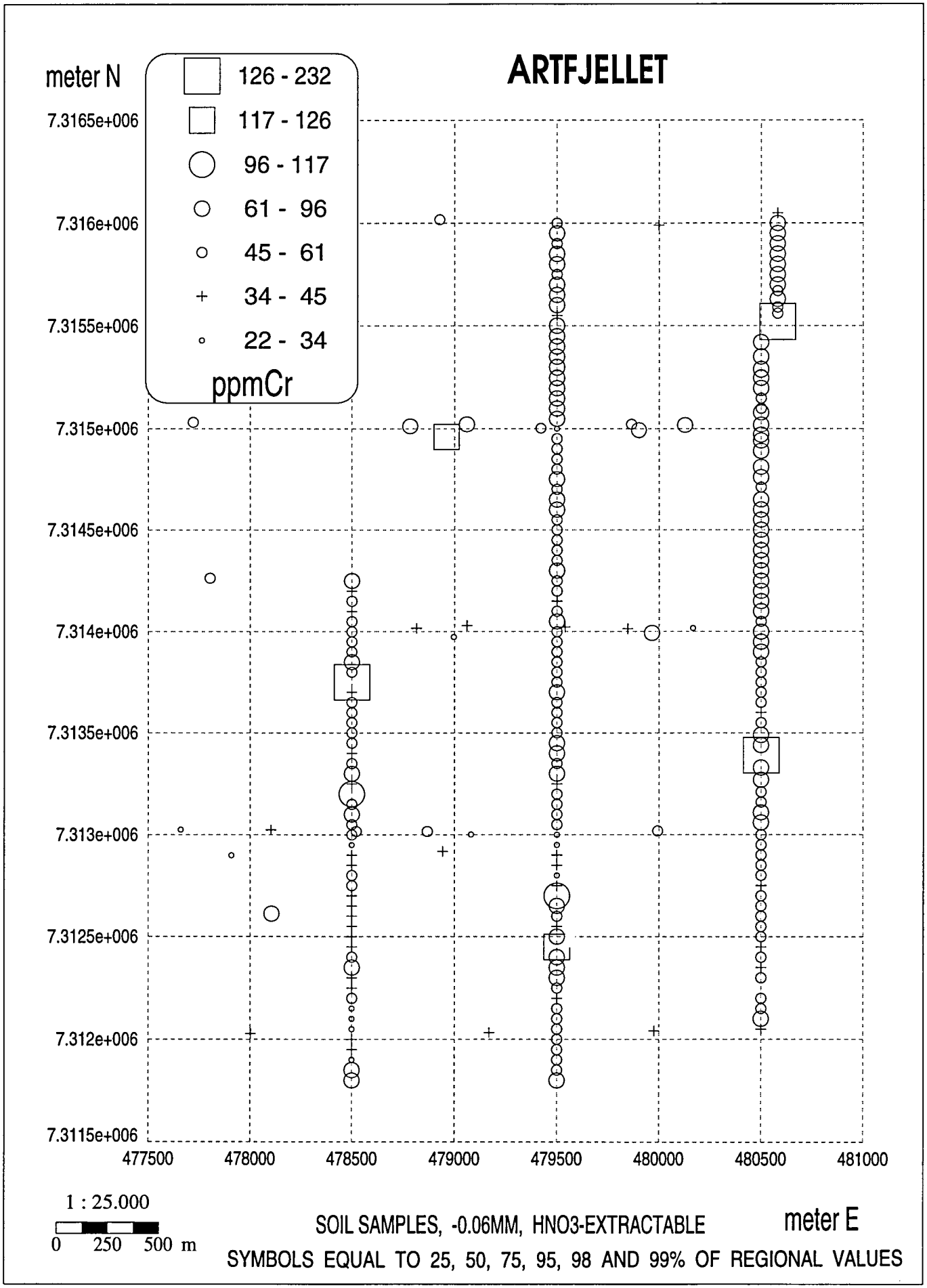

ARTFJELLET
meter N
18 - 25
17 - 18
16 - 17
11 - 16
9 - 11
7 - 9
1 - 7
ppmBe
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

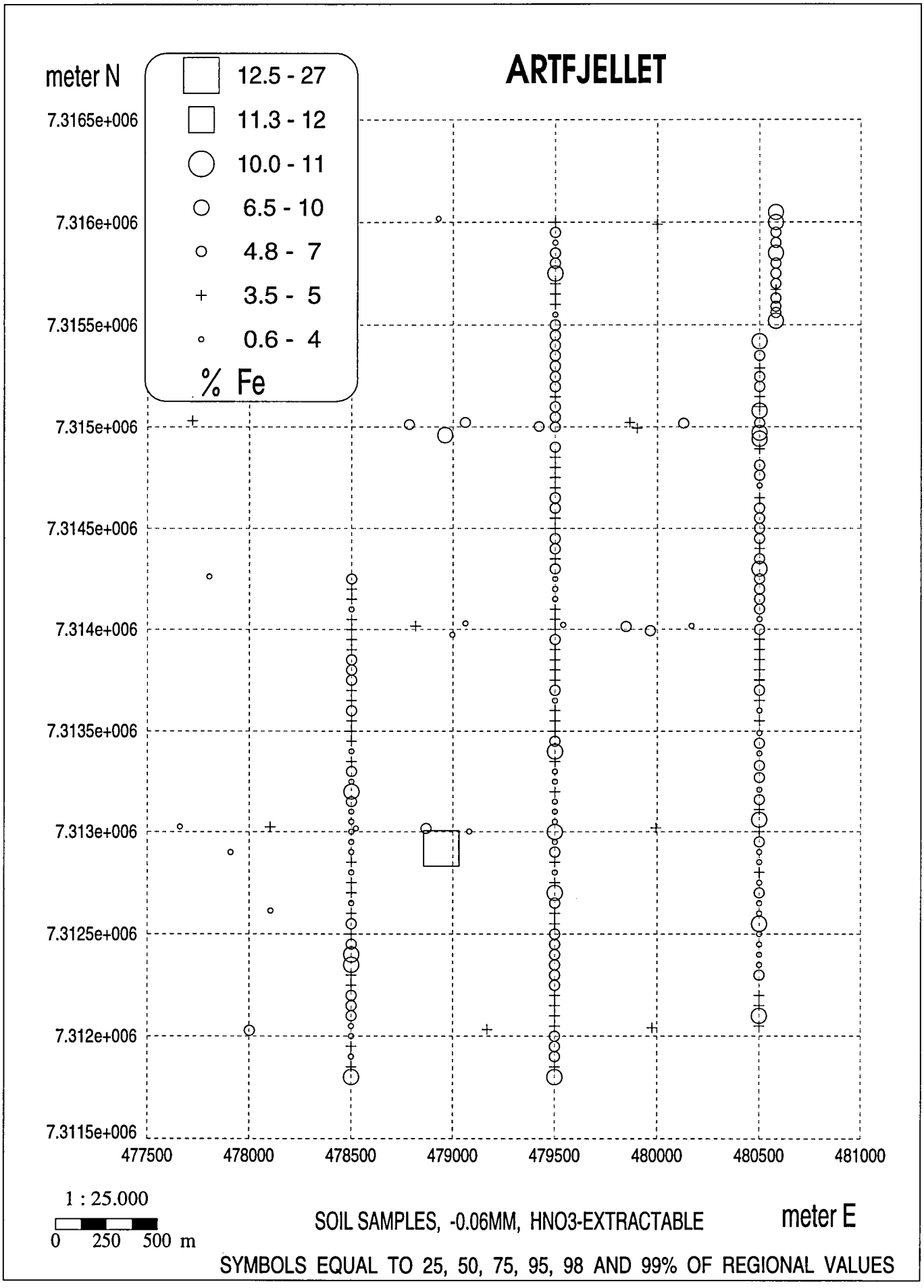

ARTFJELLET
meter N
1.20 - 1.57
0.96 - 1.20
0.78 - 0.96
0.54 - 0.78
0.37 - 0.54
0.25 - 0.37
0.17 - 0.25
% Ca
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

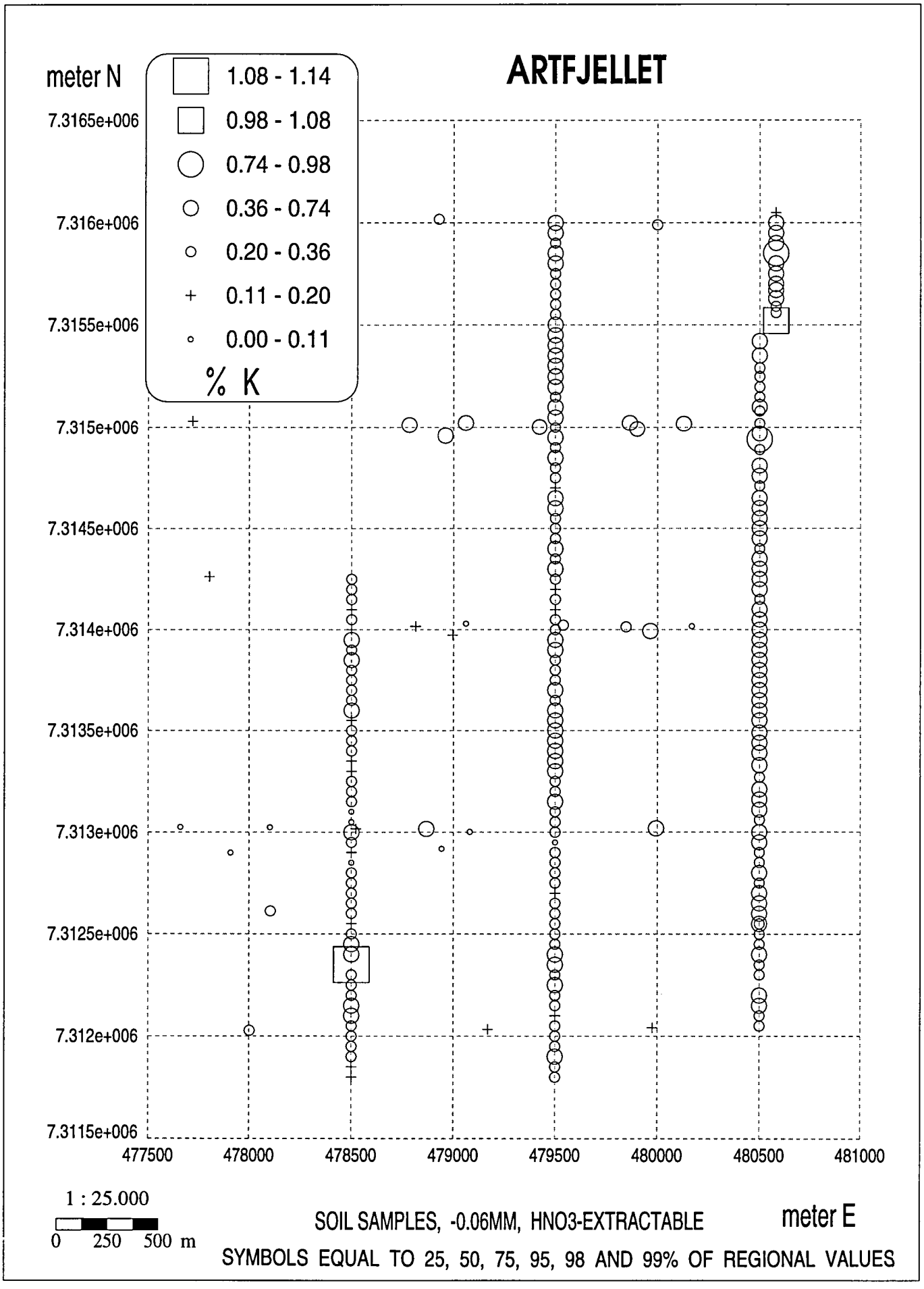

ARTFJELLET
meter N
4.0 - 4.2
3.0 - 4.0
2.5 - 3.0
2.0 - 2.5
1.5 - 2.0
1.2 - 1.5
1.0 - 1.2
ppmCd
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E

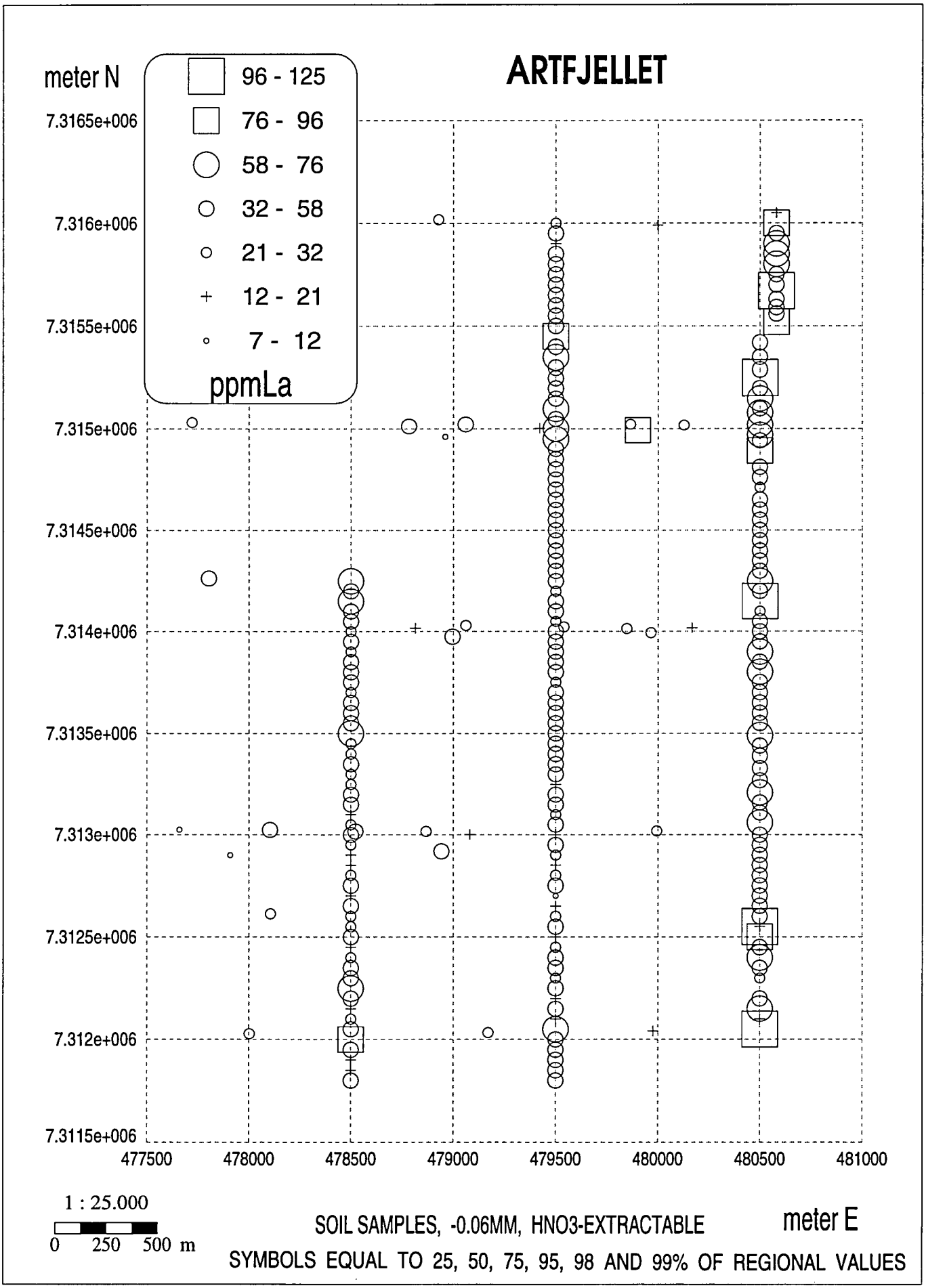

ARTFJELLET
meter N
228 - 385
208 - 228
171 - 208
104 - 171
64 - 104
35 - 64
15 - 35
ppmCe
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

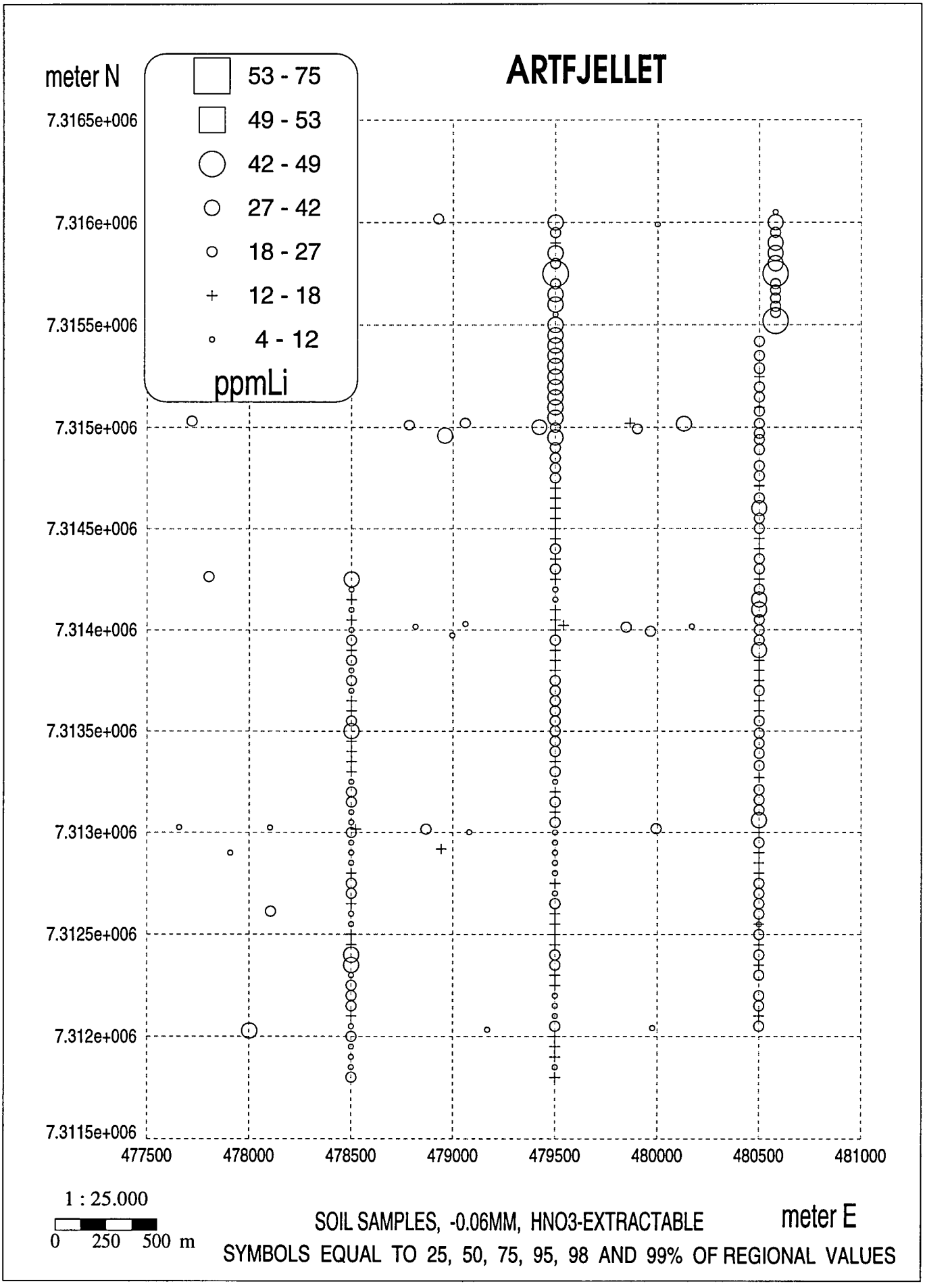

ARTFJELLET
meter N
59 - 83
53 - 59
37 - 53
20 - 37
13 - 20
8 - 13
2 - 8
ppmCo
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

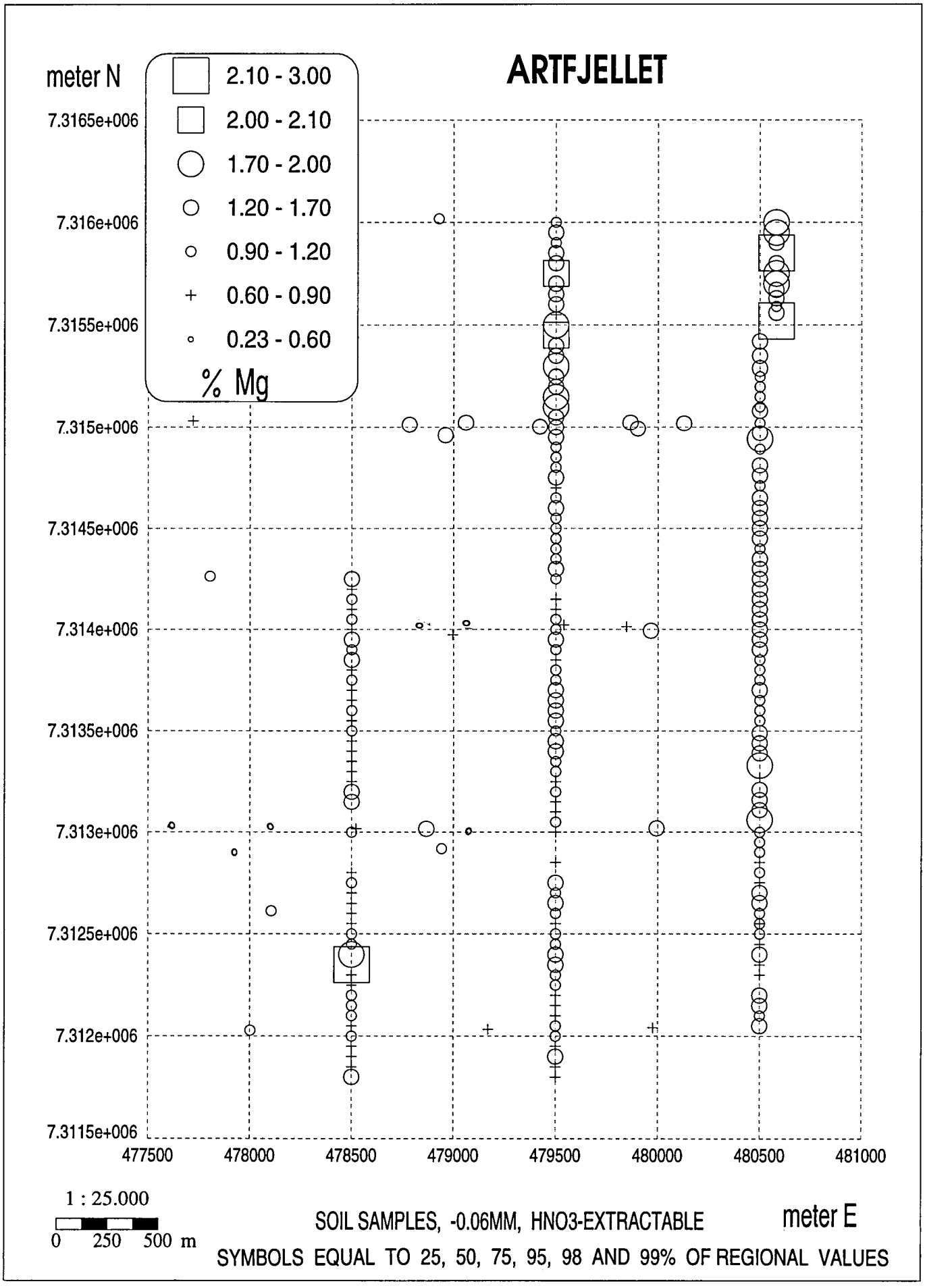

ARTFJELLET
meter N
126 - 232
117 - 126
96 - 117
61 - 96
45 - 61
34 - 45
22 - 34
ppmCr
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

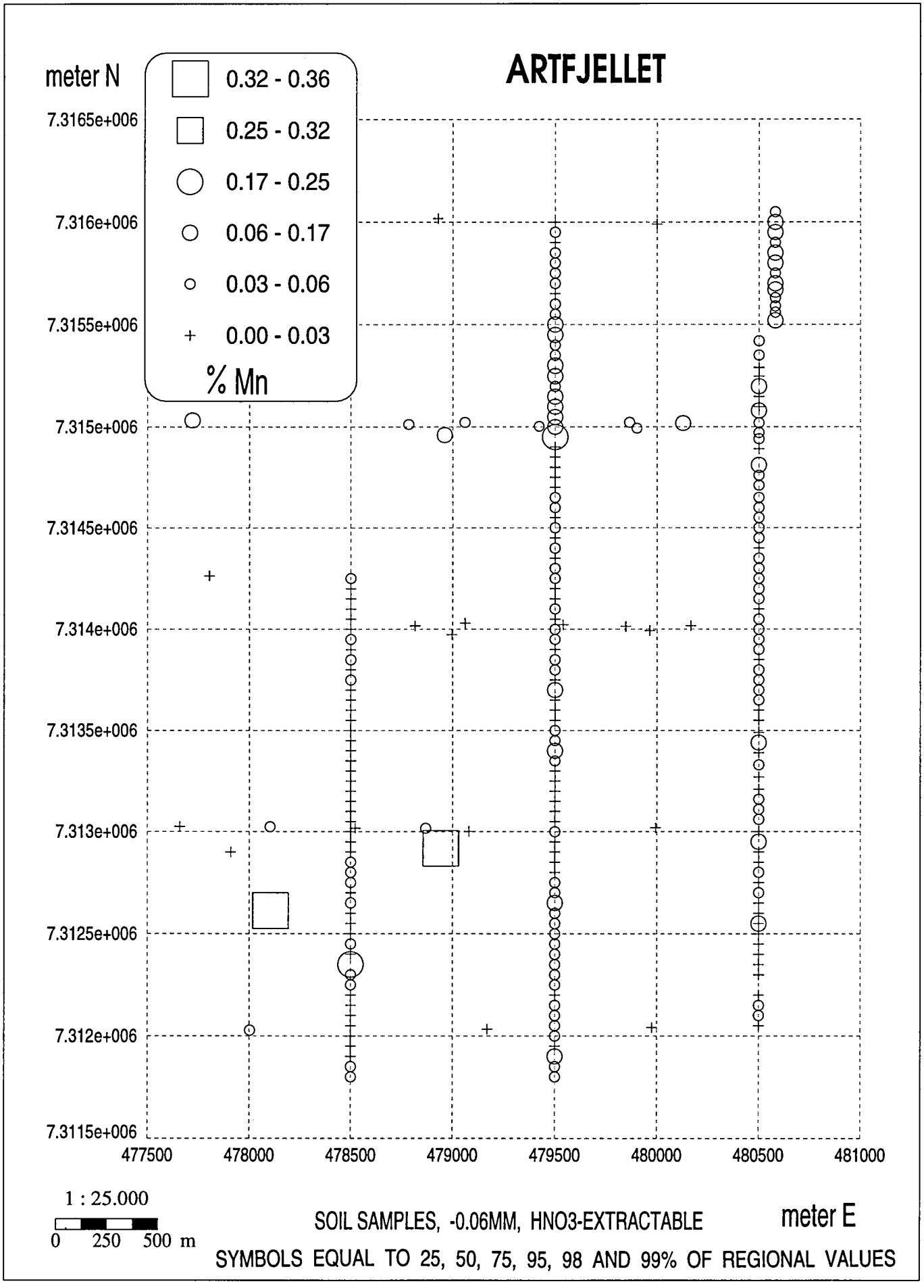

ARTFJELLET
meter N
12.5 - 27
11.3 - 12
10.0 - 11
6.5 - 10
4.8 - 7
3.5 - 5
0.6 - 4
% Fe
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

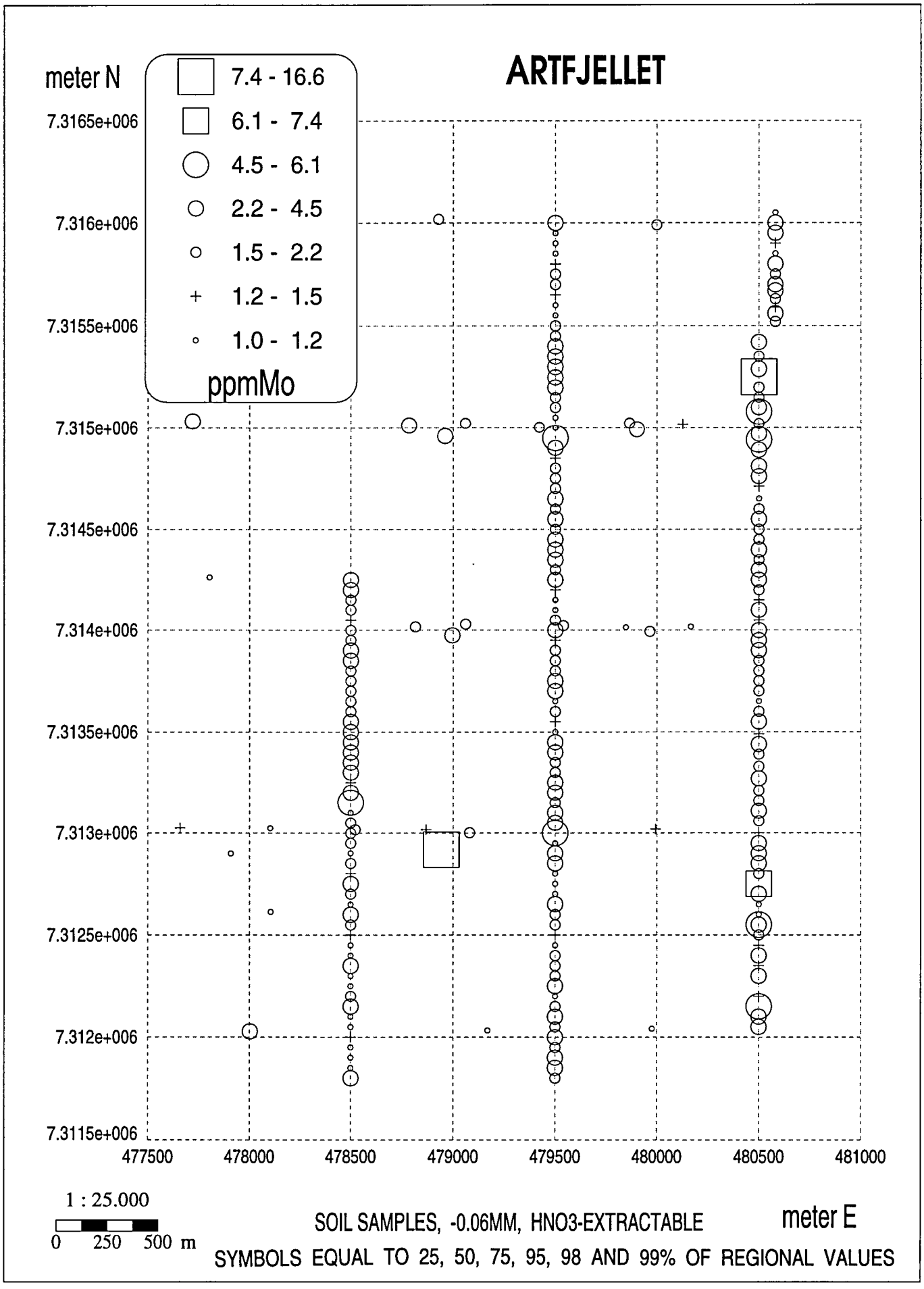

ARTFJELLET
meter N
1.08 - 1.14
0.98 - 1.08
0.74 - 0.98
0.36 - 0.74
0.20 - 0.36
0.11 - 0.20
0.00 - 0.11
% K
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

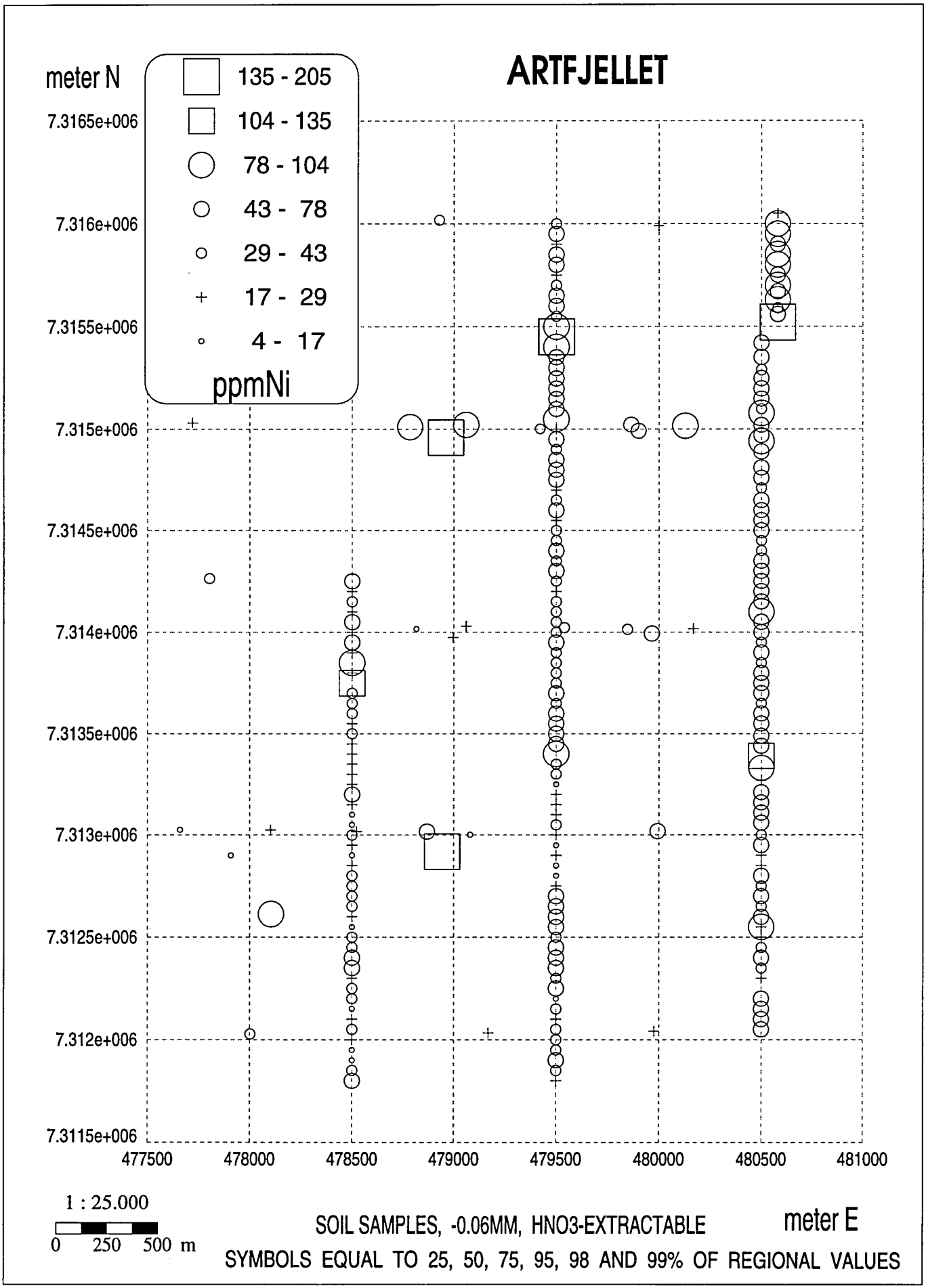

ARTFJELLET
meter N
96 - 125
76 - 96
58 - 76
32 - 58
21 - 32
12 - 21
7 - 12
ppmLa
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
meter E
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

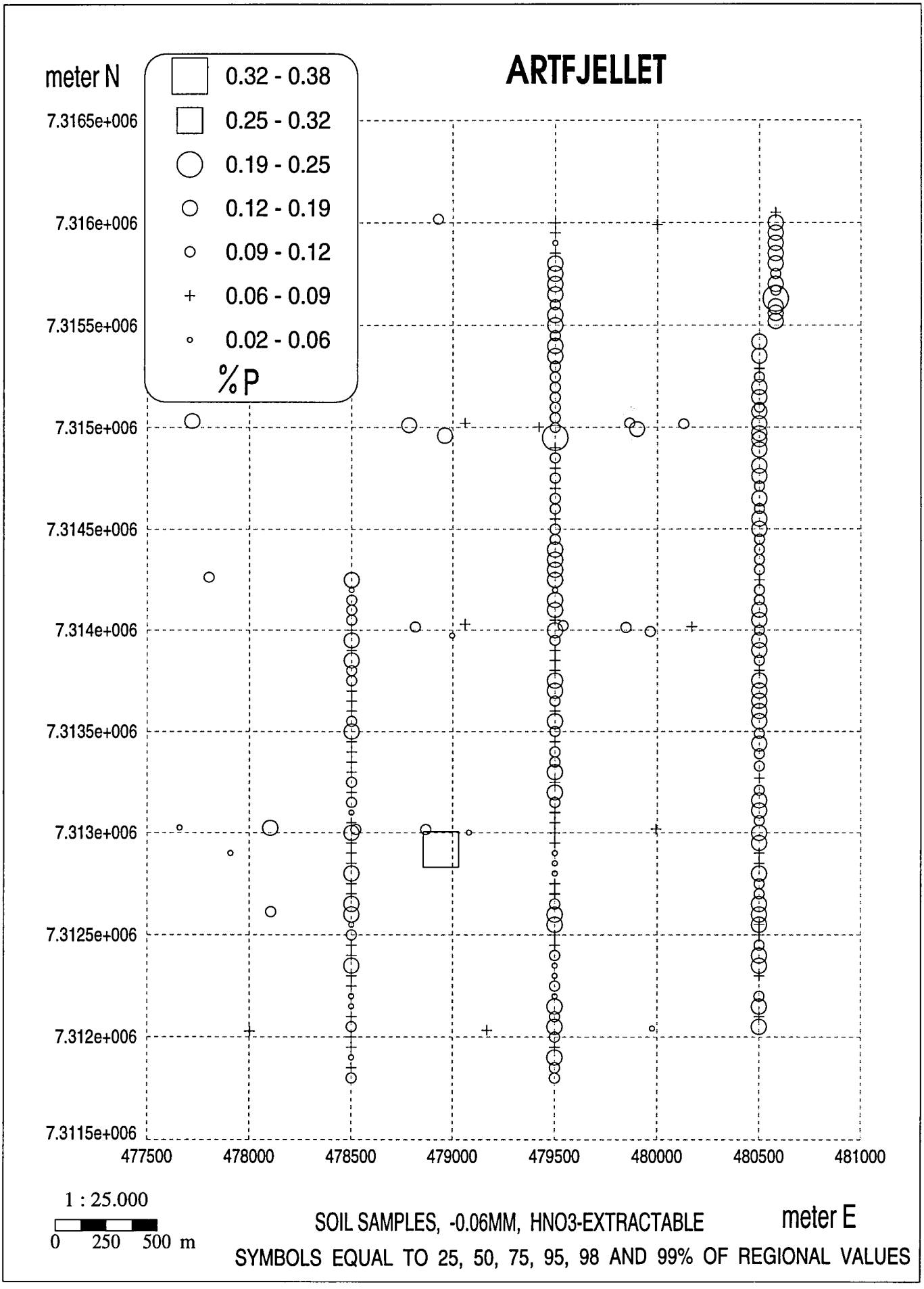

ARTFJELLET
meter N
53 - 75
49 - 53
42 - 49
27 - 42
18 - 27
12 - 18
4 - 12
ppmLi
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
meter E
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

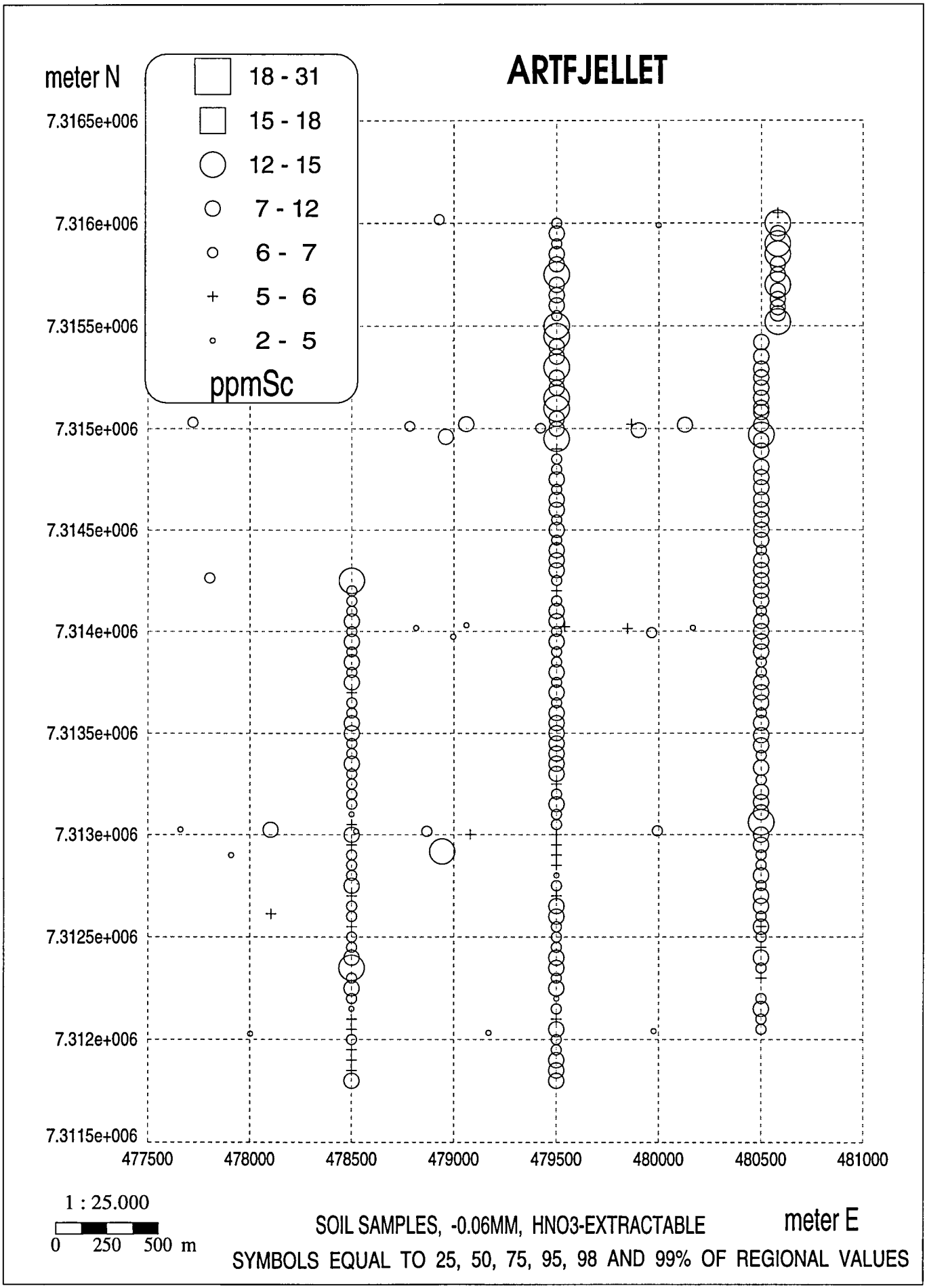

ARTFJELLET
meter N
2.10 - 3.00
2.00 - 2.10
1.70 - 2.00
1.20 - 1.70
0.90 - 1.20
0.60 - 0.90
0.23 - 0.60
% Mg
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

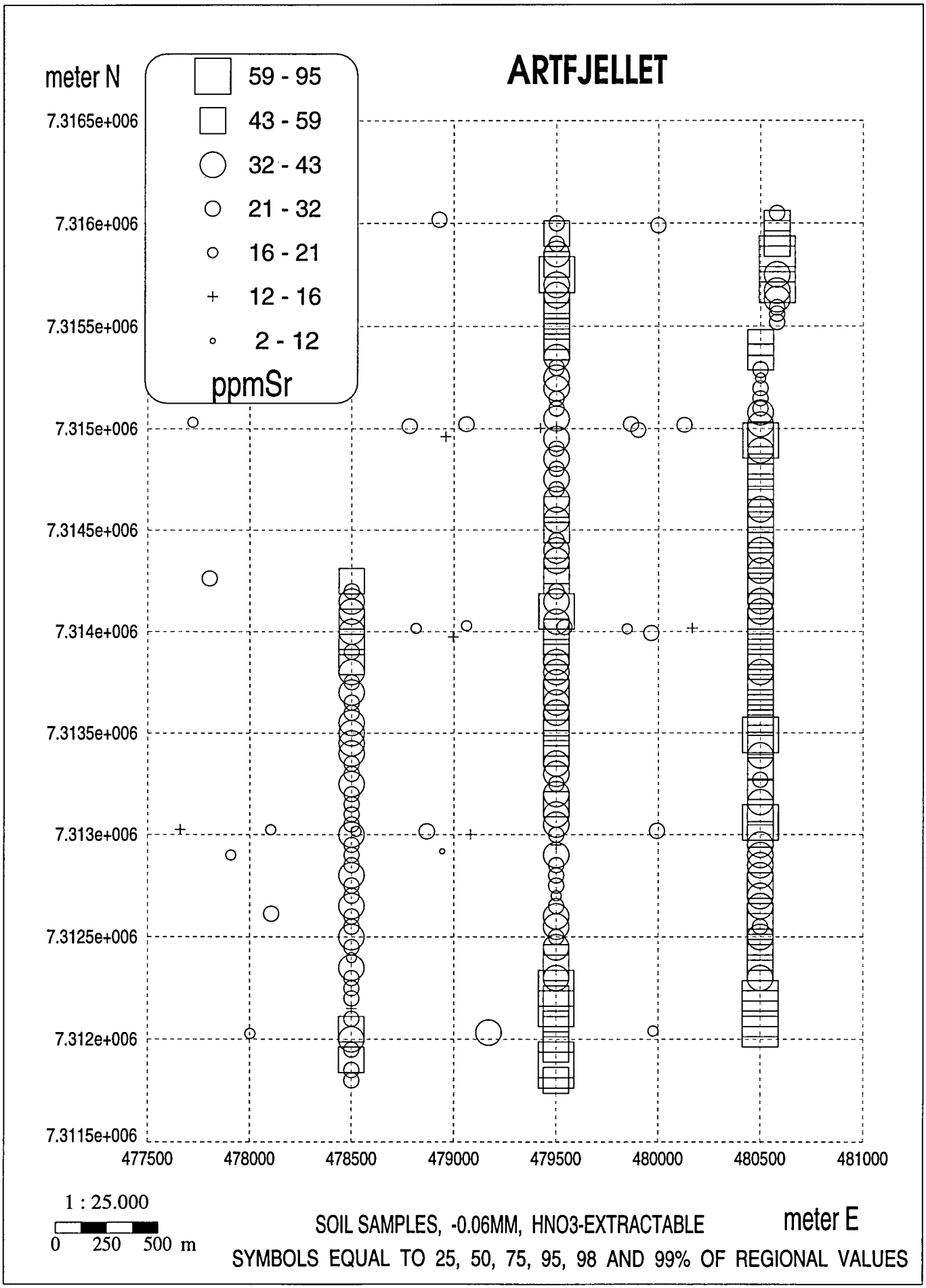

ARTFJELLET
meter N
0.32 - 0.36
0.25 - 0.32
0.17 - 0.25
0.06 - 0.17
0.03 - 0.06
0.00 - 0.03
% Mn
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

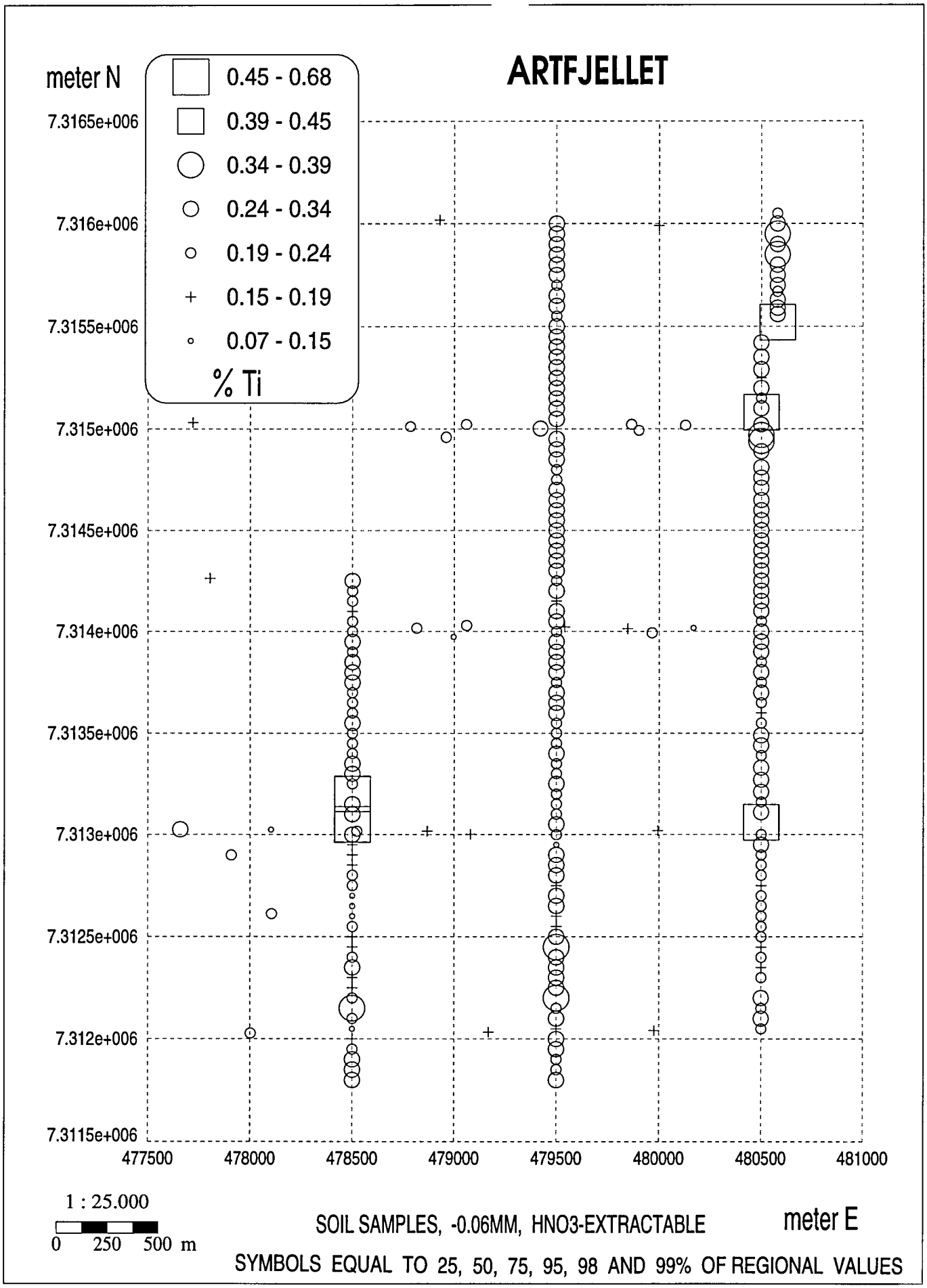

ARTFJELLET
meter N
7.4 - 16.6
6.1 - 7.4
4.5 - 6.1
2.2 - 4.5
1.5 - 2.2
1.2 - 1.5
1.0 - 1.2
ppmMo
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

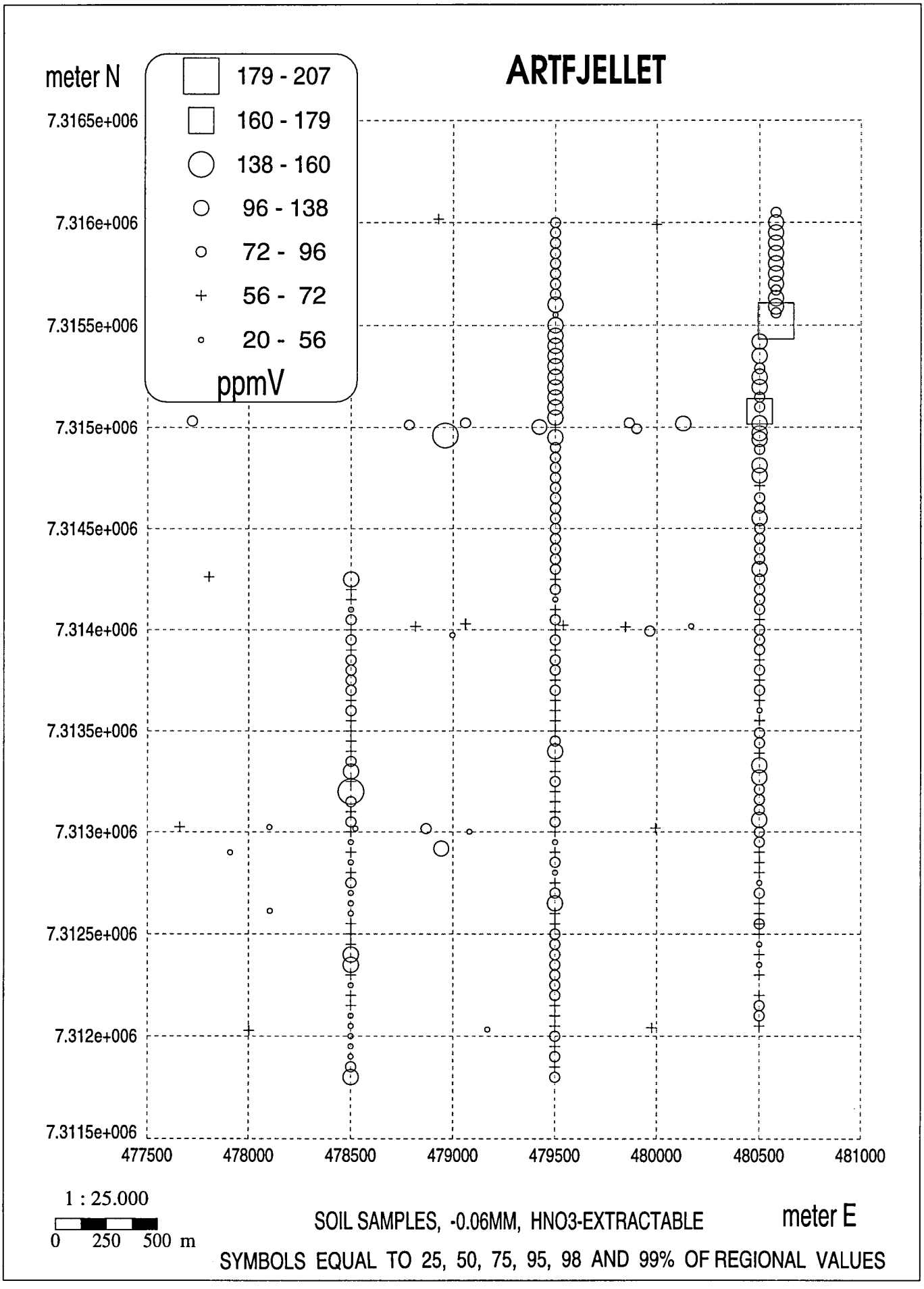

ARTFJELLET
meter N
135 - 205
104 - 135
78 - 104
43 - 78
29 - 43
17 - 29
4 - 17
ppmNi
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

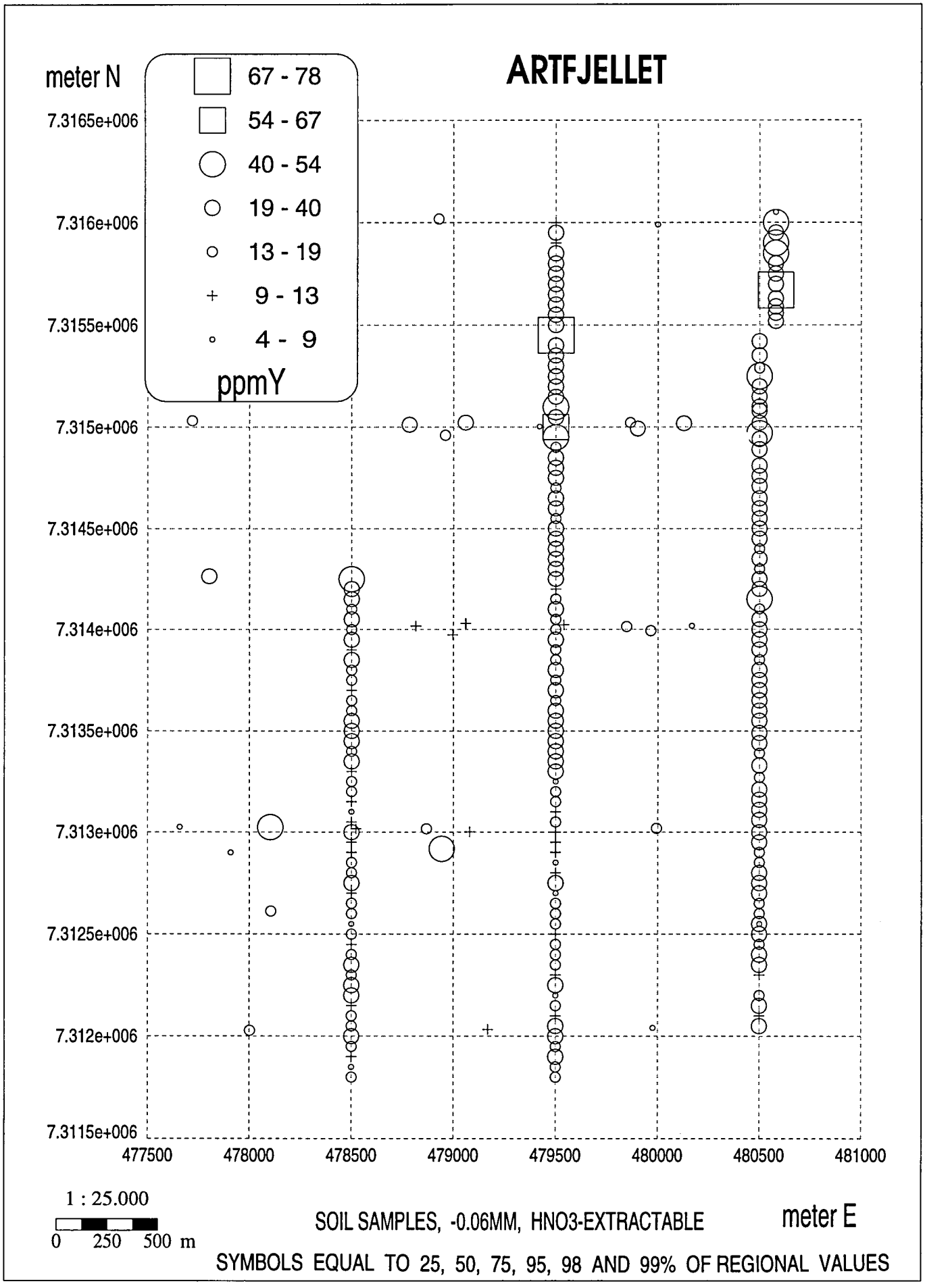

ARTFJELLET
meter N
0.32 - 0.38
0.25 - 0.32
0.19 - 0.25
0.12 - 0.19
0.09 - 0.12
0.06 - 0.09
0.02 - 0.06
%P
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

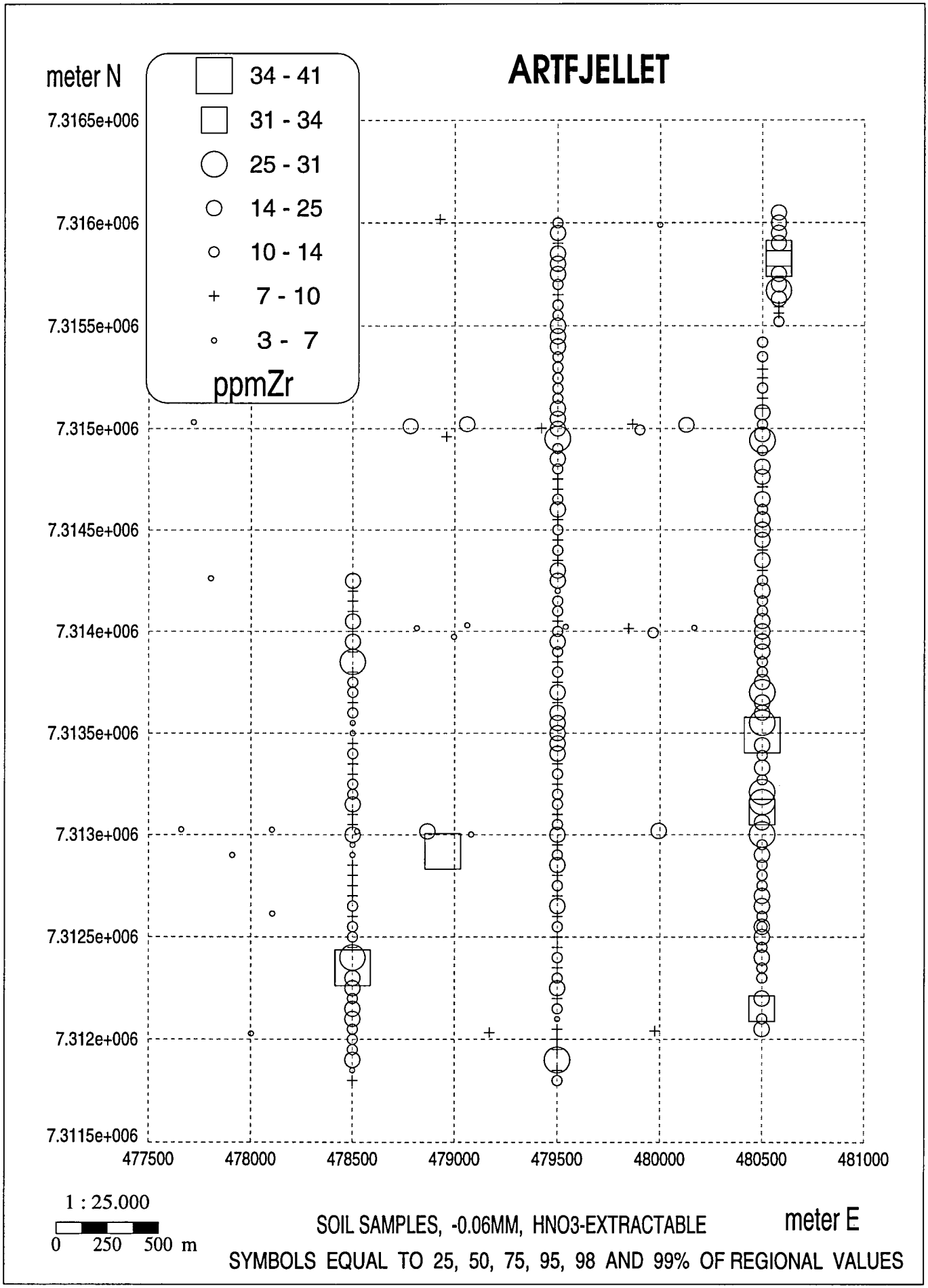

ARTFJELLET
meter N
18 - 31
15 - 18
12 - 15
7 - 12
6 - 7
5 - 6
2 - 5
ppmSc
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

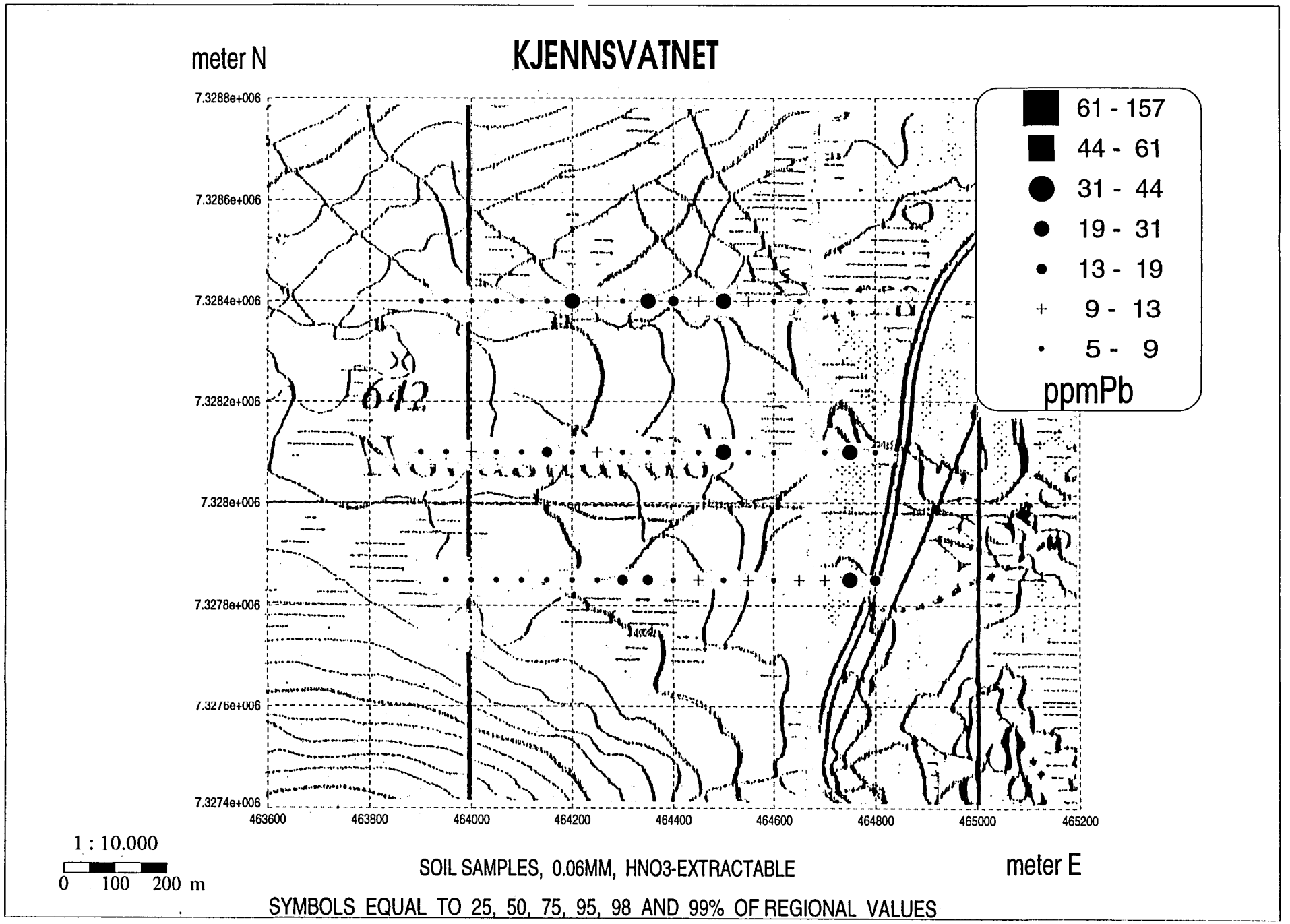

ARTFJELLET
meter N
59 - 95
43 - 59
32 - 43
21 - 32
16 - 21
12 - 16
2 - 12
ppmSr
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


ARTFJELLET
meter N
0.45 - 0.68
0.39 - 0.45
0.34 - 0.39
0.24 - 0.34
0.19 - 0.24
0.15 - 0.19
0.07 - 0.15
% Ti
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

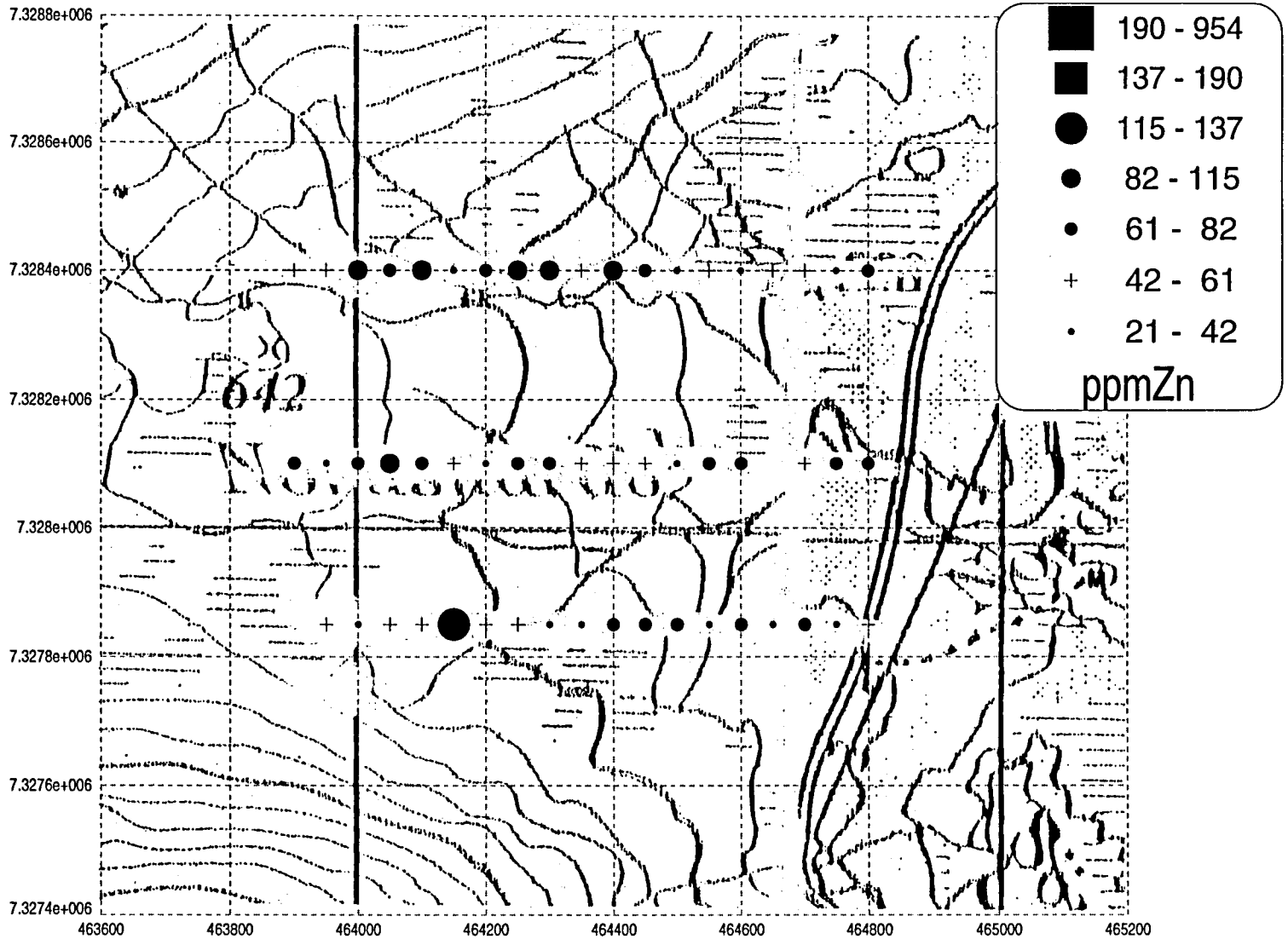

ARTFJELLET
meter N
179 - 207
160 - 179
138 - 160
96 - 138
72 - 96
56 - 72
20 - 56
ppmV
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


ARTFJELLET
meter N
67 - 78
54 - 67
40 - 54
19 - 40
13 - 19
9 - 13
4 - 9
ppmY
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


ARTFJELLET
meter N
34 - 41
31 - 34
25 - 31
14 - 25
10 - 14
7 - 10
3 - 7
ppmZr
7.3165e+006
7.316e+006
7.3155e+006
7.315e+006
7.3145e+006
7.314e+006
7.3135e+006
7.313e+006
7.3125e+006
7.312e+006
7.3115e+006
477500
478000
478500
479000
479500
480000
480500
481000
1 : 25.000
0 250 500 m
SOIL SAMPLES, -0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
61 - 157
44 - 61
31 - 44
19 - 31
13 - 19
9 - 13
5 - 9
ppmPb
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

KJENNSVATNET

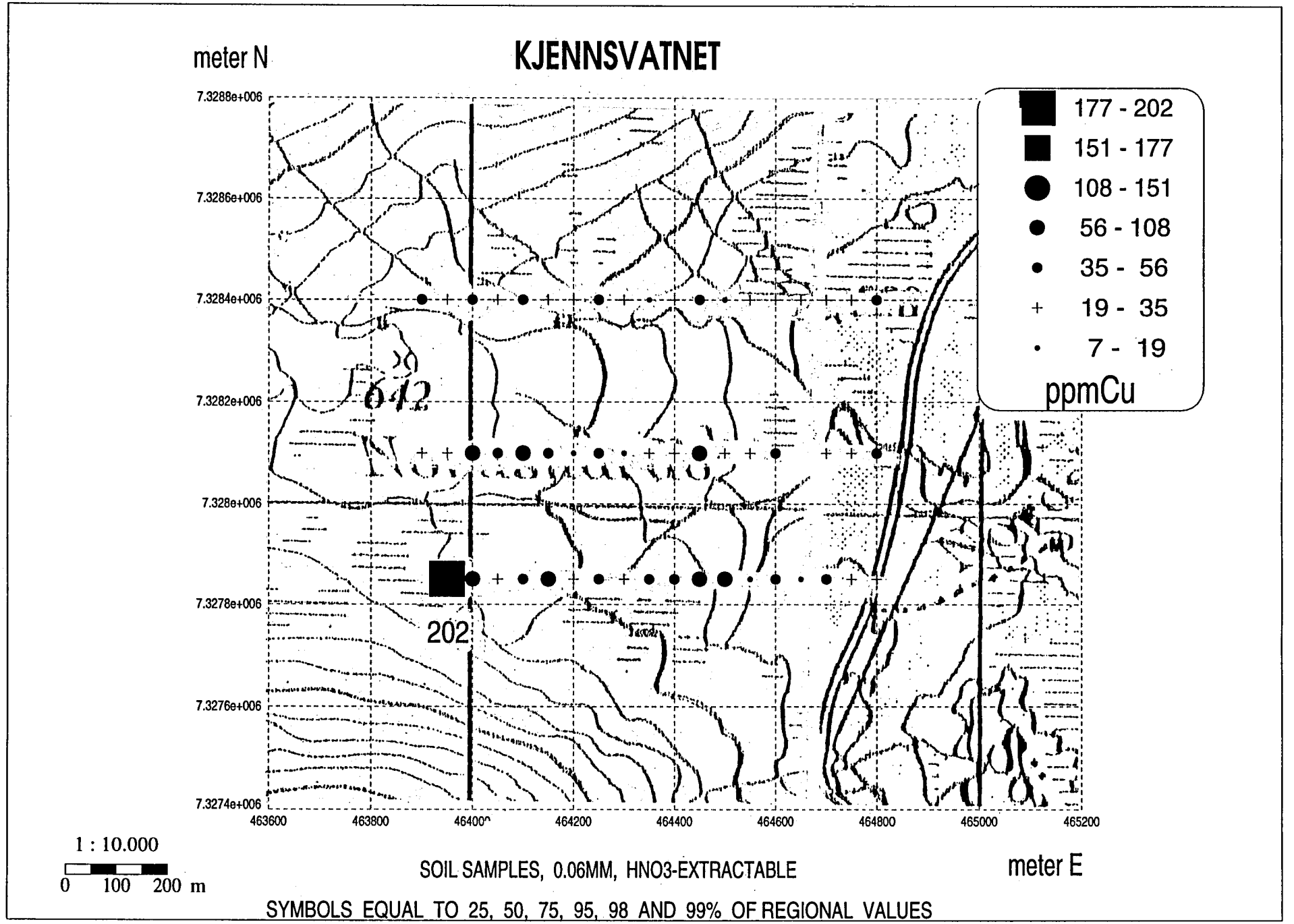


1 : 10.000

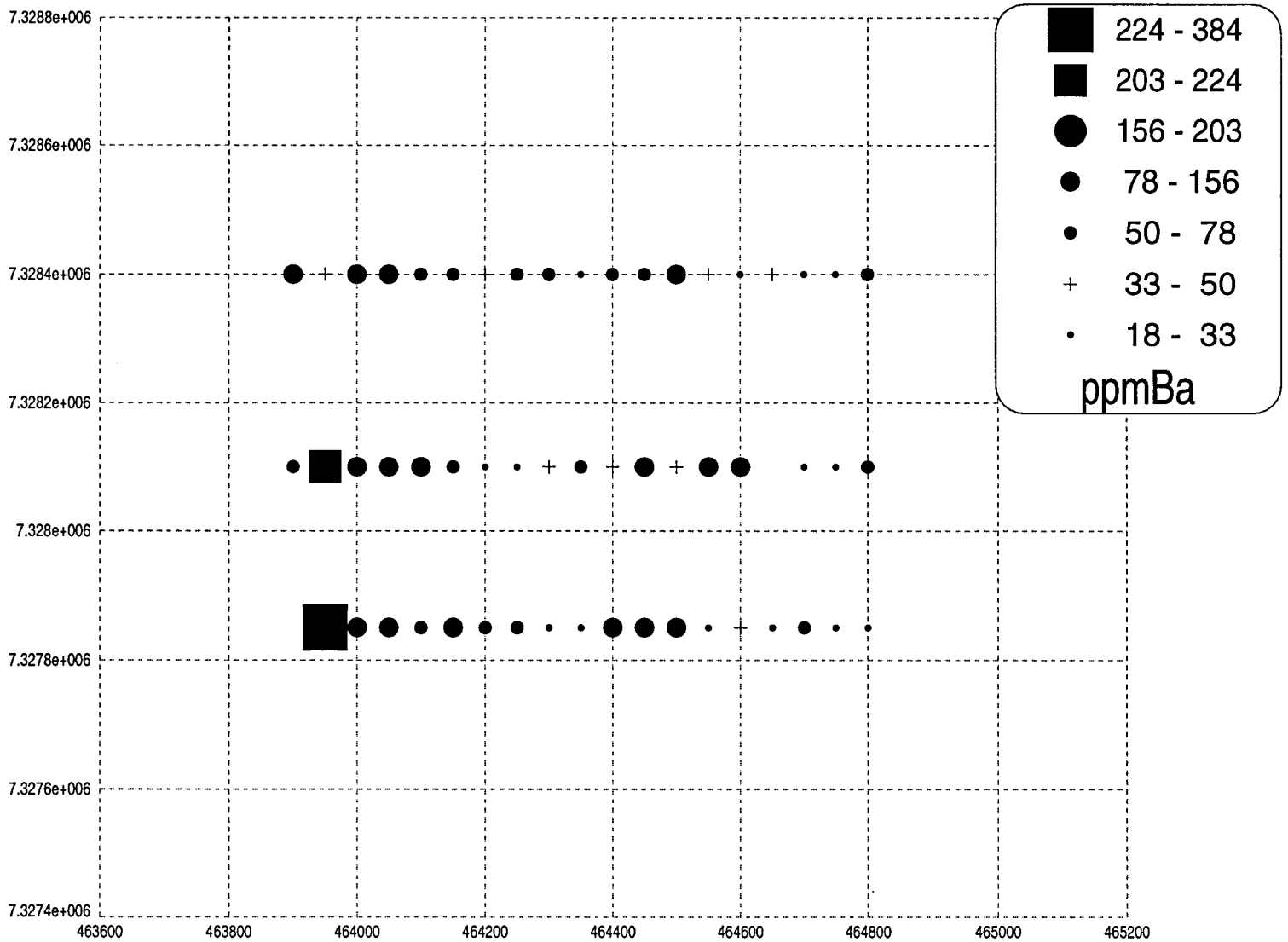
0 100 200 m

SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE

SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


meter N
KJENNSVATNET
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
177 - 202
151 - 177
108 - 151
56 - 108
35 - 56
19 - 35
7 - 19
ppmCu
202
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

KJENNSVATNET

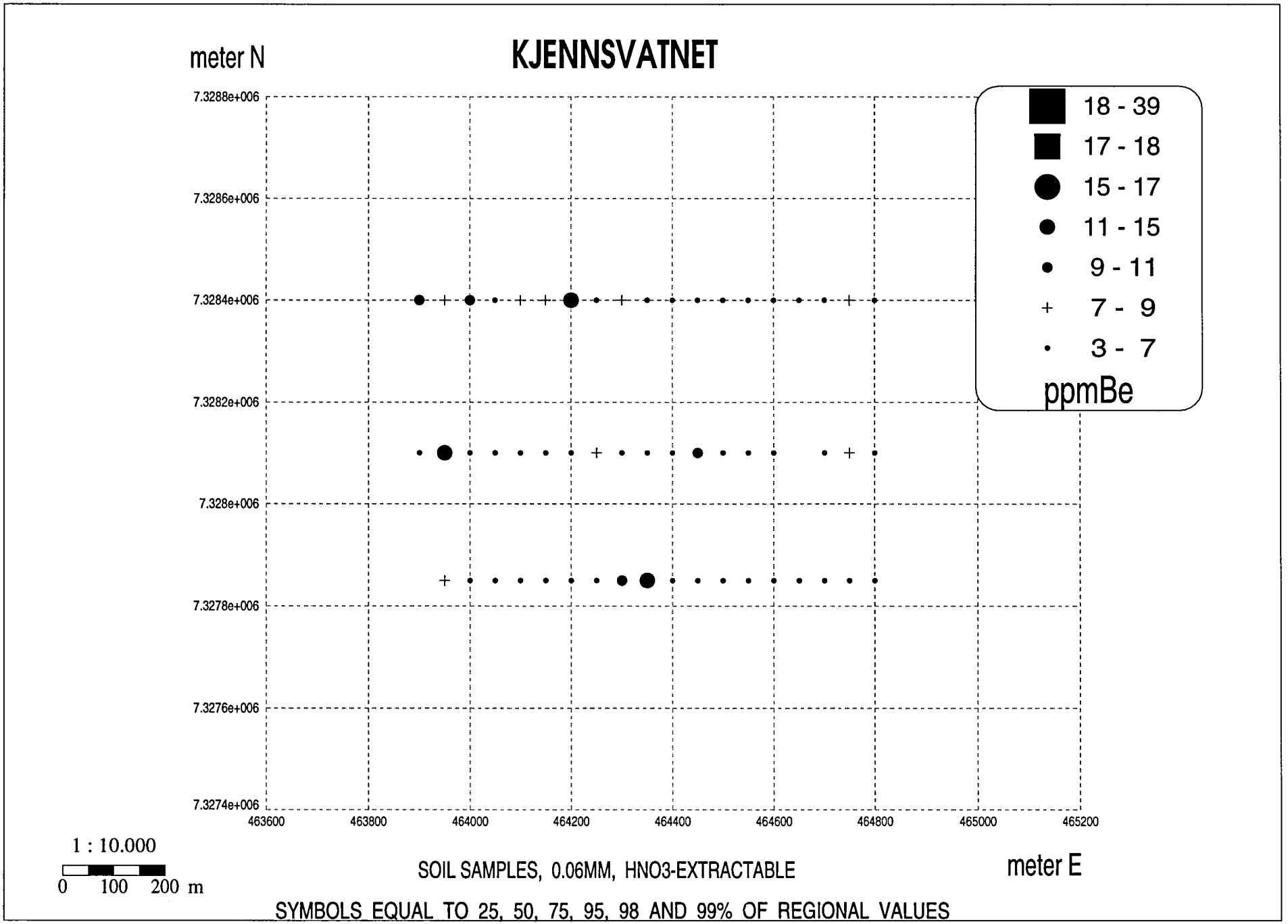


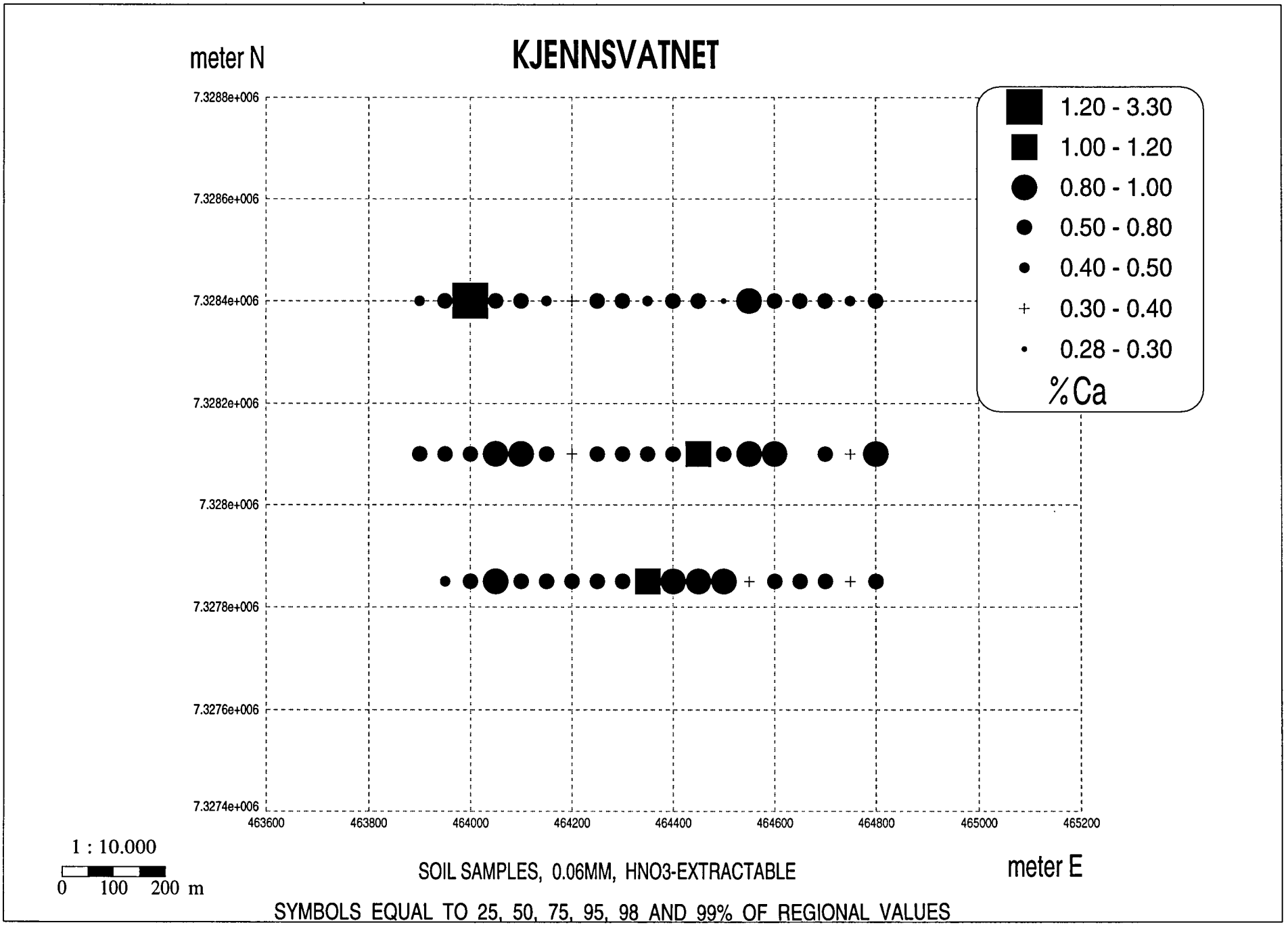
1 : 10.000

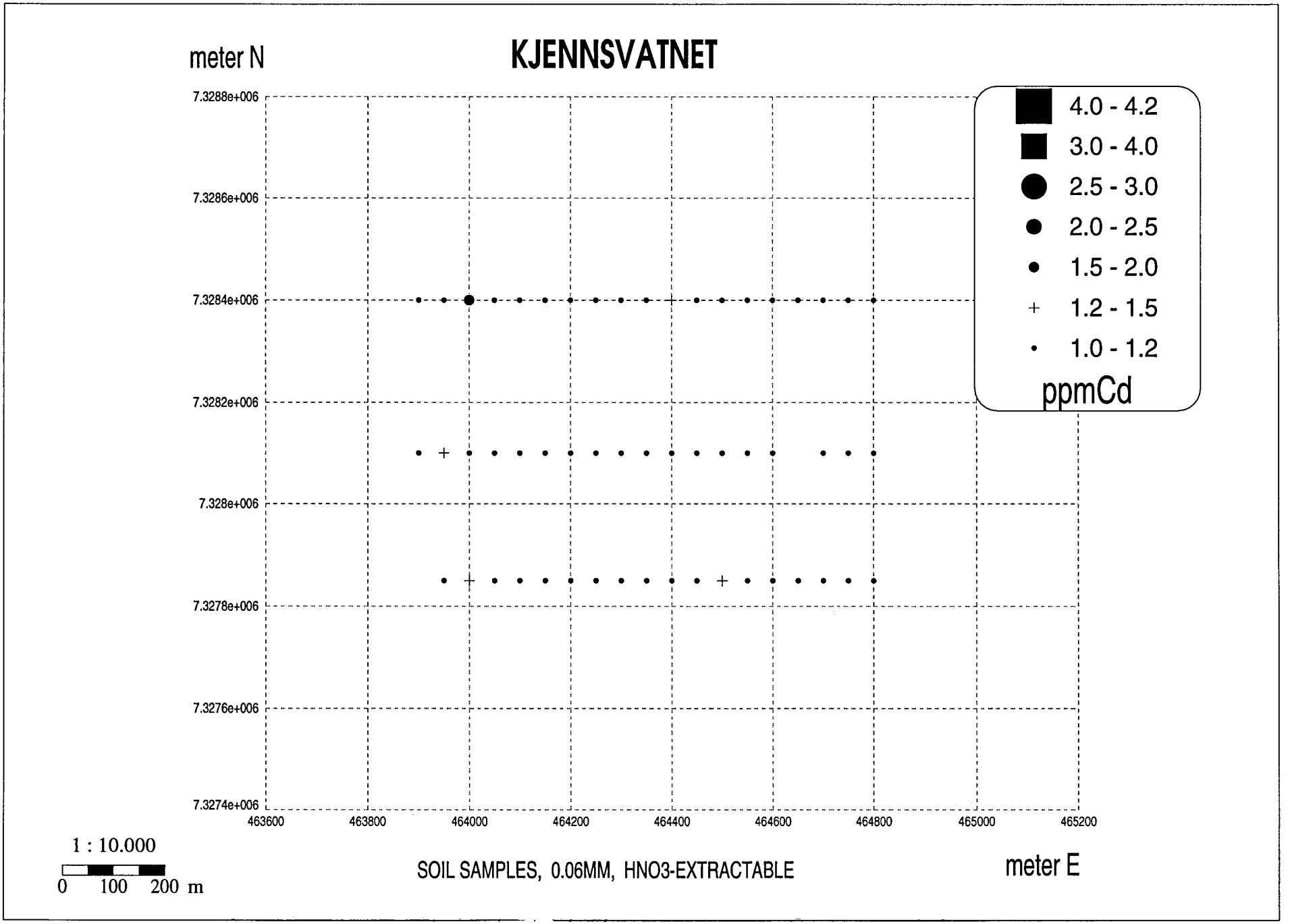
0 100 200 m

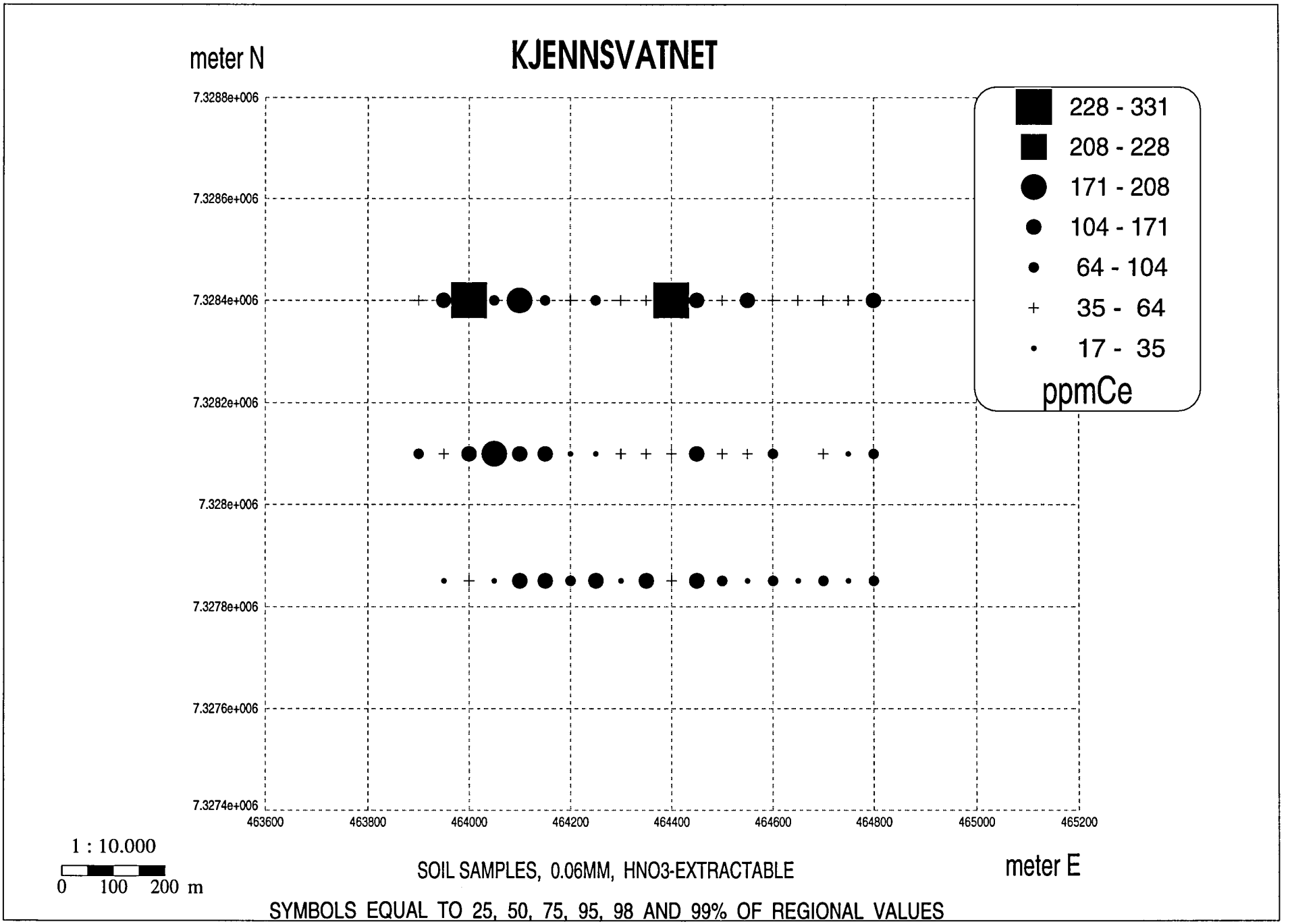
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE

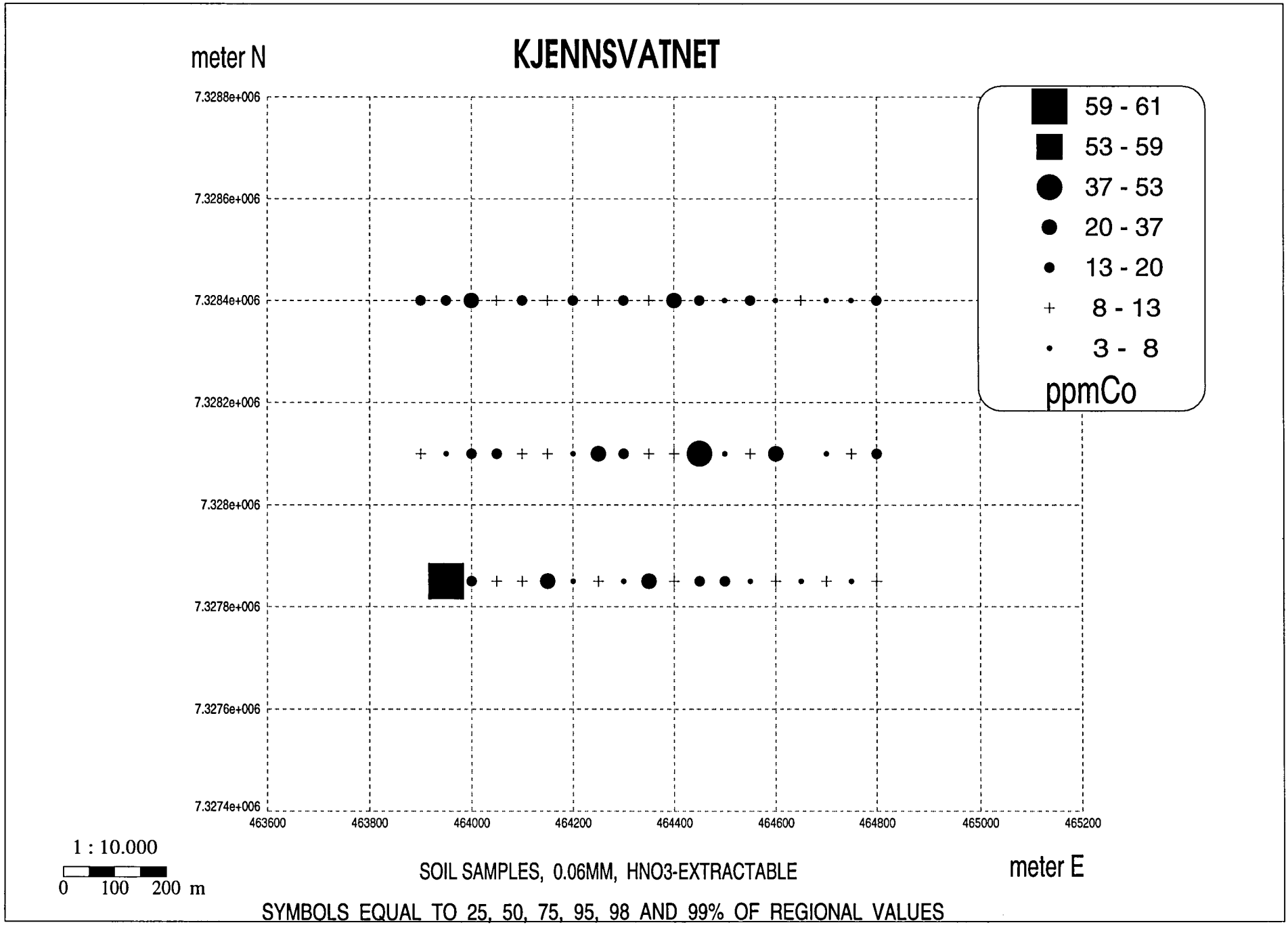
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

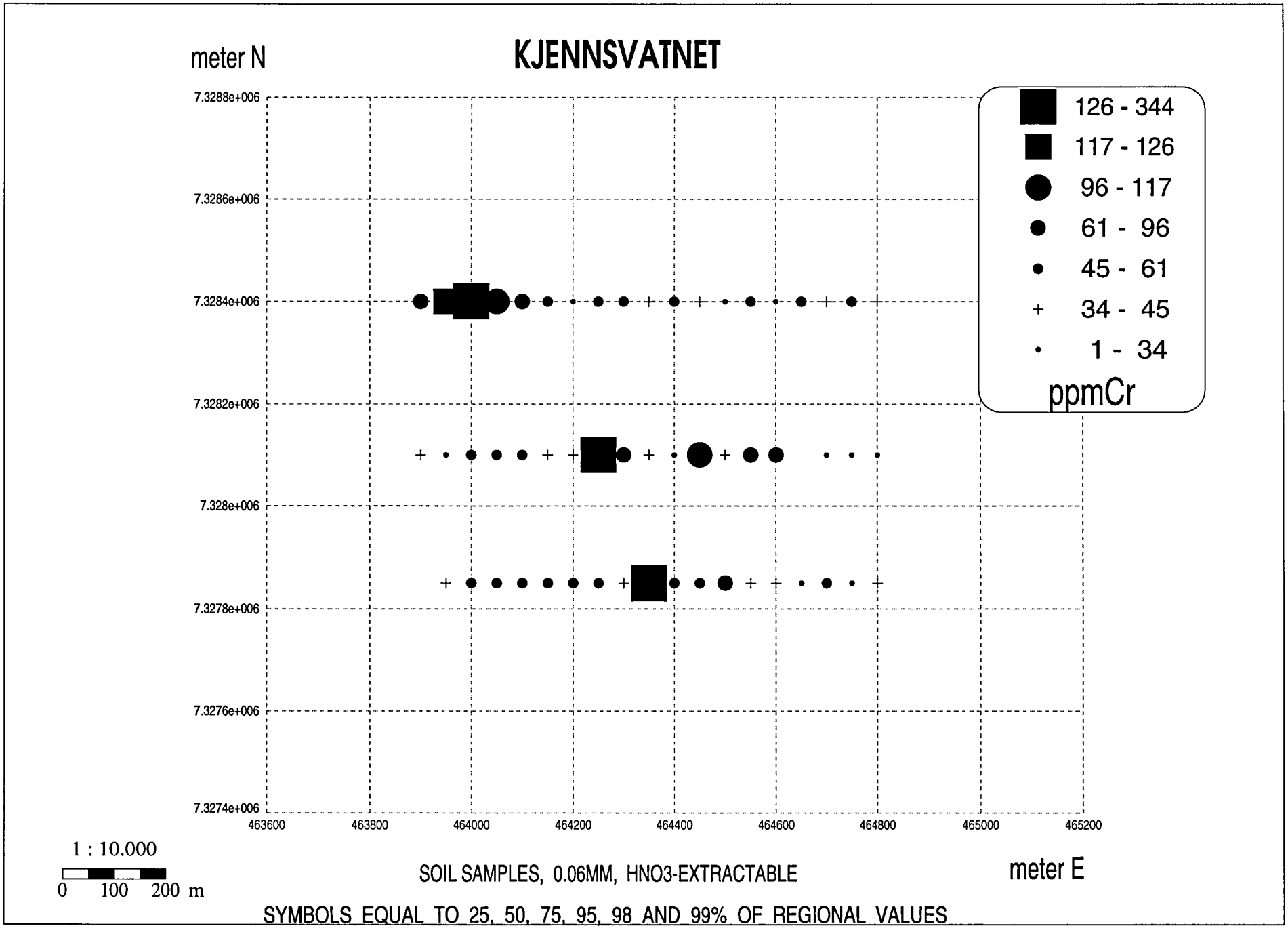

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
18 - 39
17 - 18
15 - 17
11 - 15
9 - 11
7 - 9
3 - 7
ppmBe
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

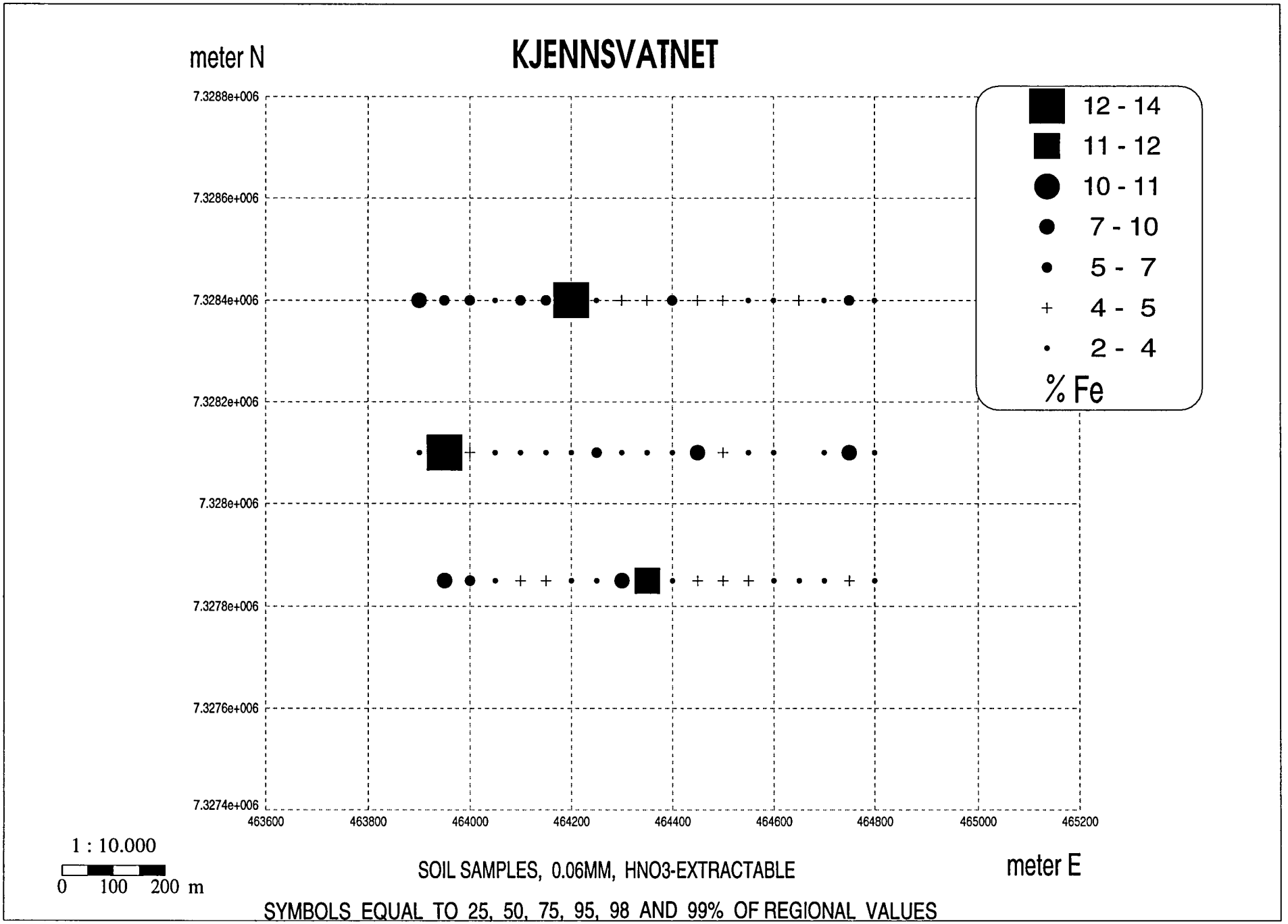

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
1.20 - 3.30
1.00 - 1.20
0.80 - 1.00
0.50 - 0.80
0.40 - 0.50
0.30 - 0.40
0.28 - 0.30
%Ca
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

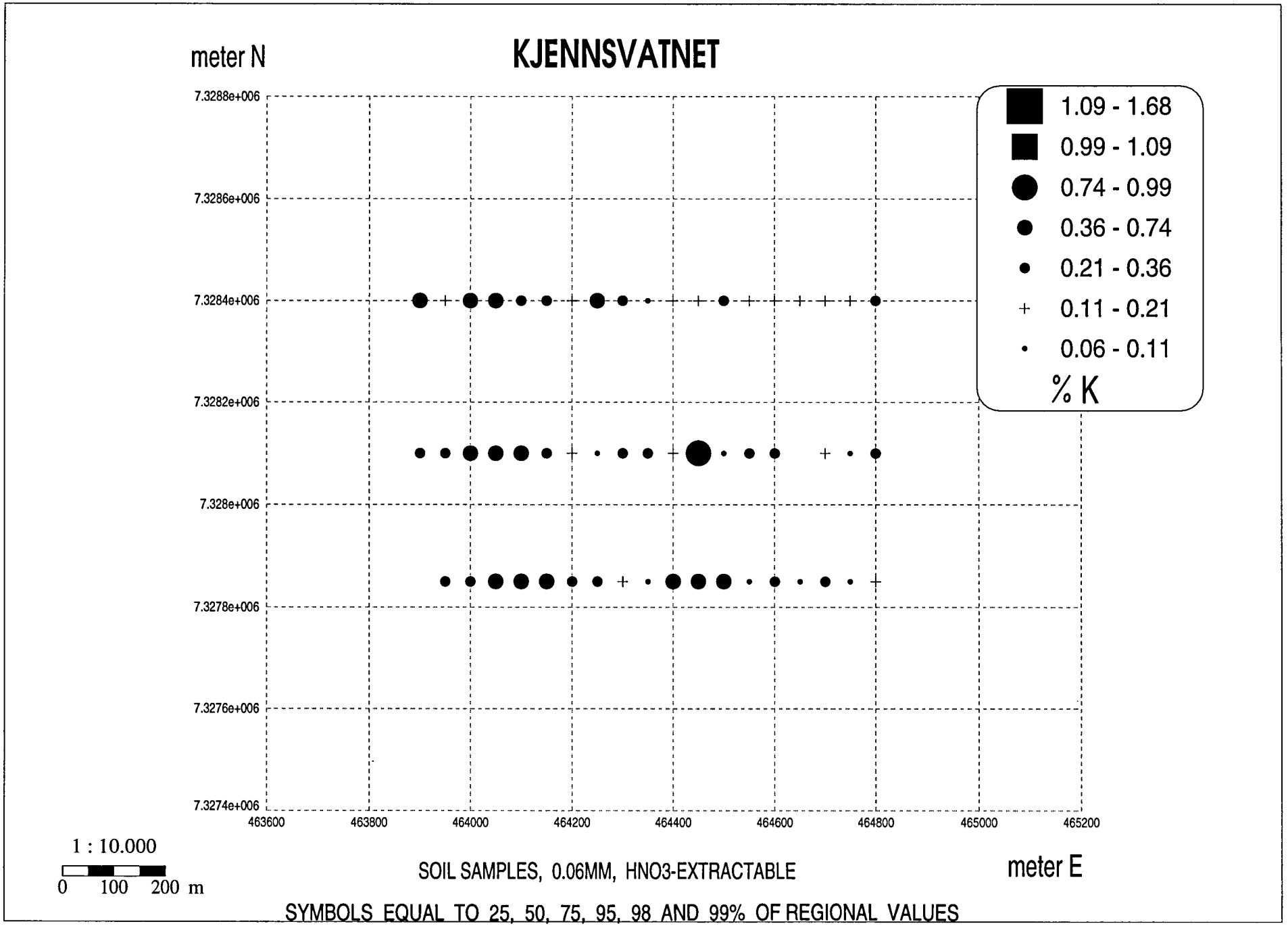

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
4.0 - 4.2
3.0 - 4.0
2.5 - 3.0
2.0 - 2.5
1.5 - 2.0
1.2 - 1.5
1.0 - 1.2
ppmCd
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E

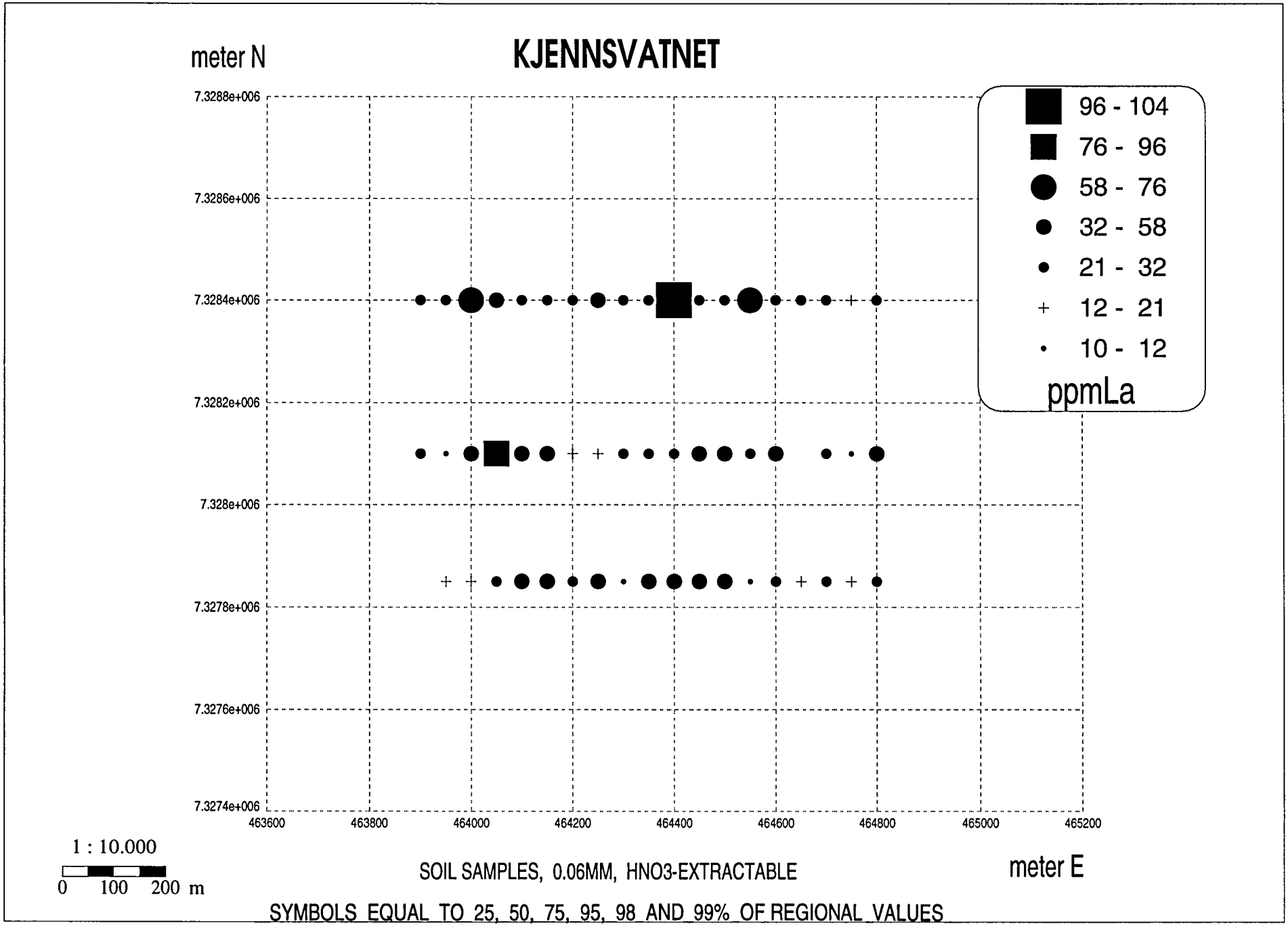

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
228 - 331
208 - 228
171 - 208
104 - 171
64 - 104
35 - 64
17 - 35
ppmCe
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

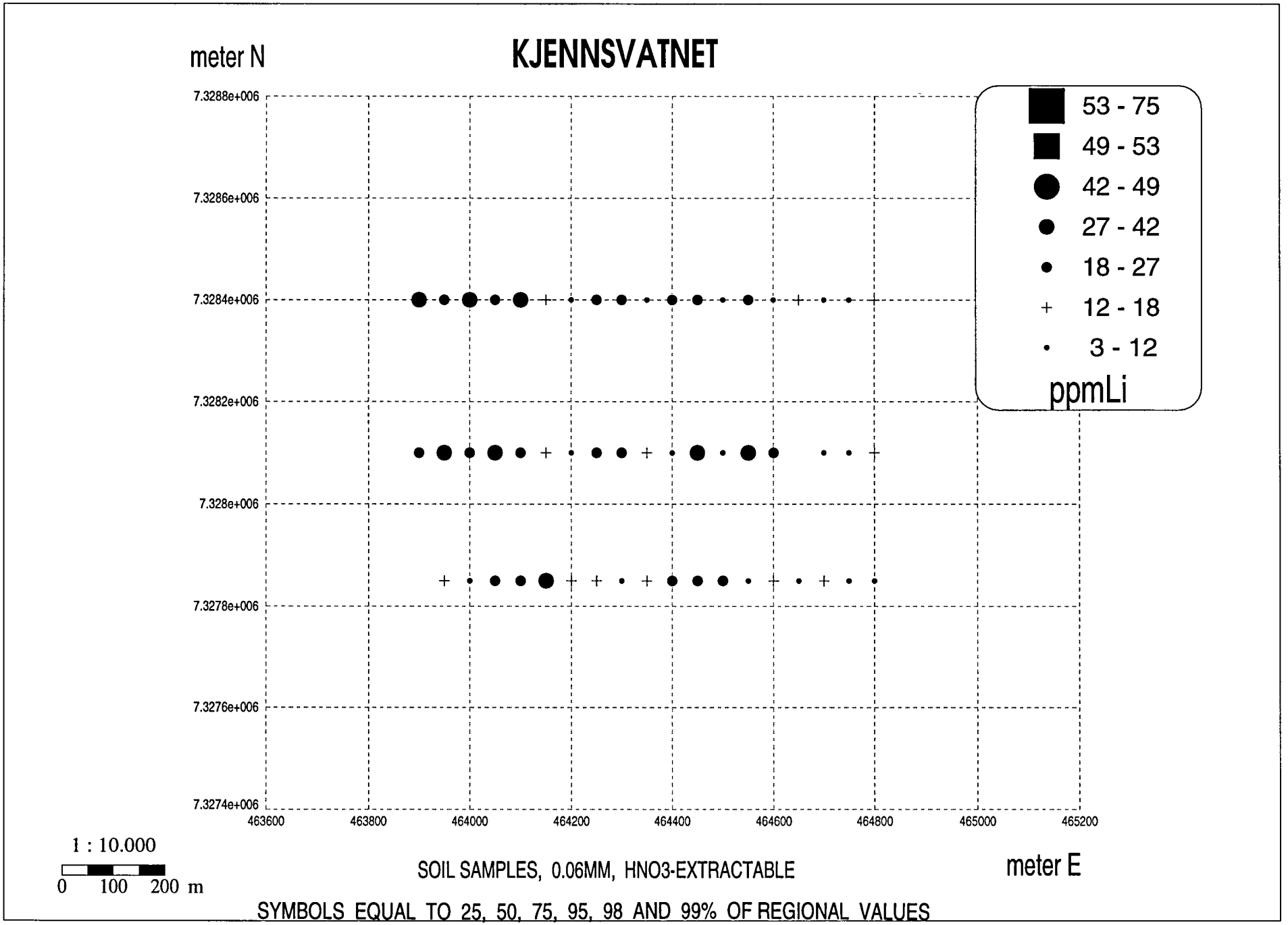

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
59 - 61
53 - 59
37 - 53
20 - 37
13 - 20
8 - 13
3 - 8
ppmCo
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

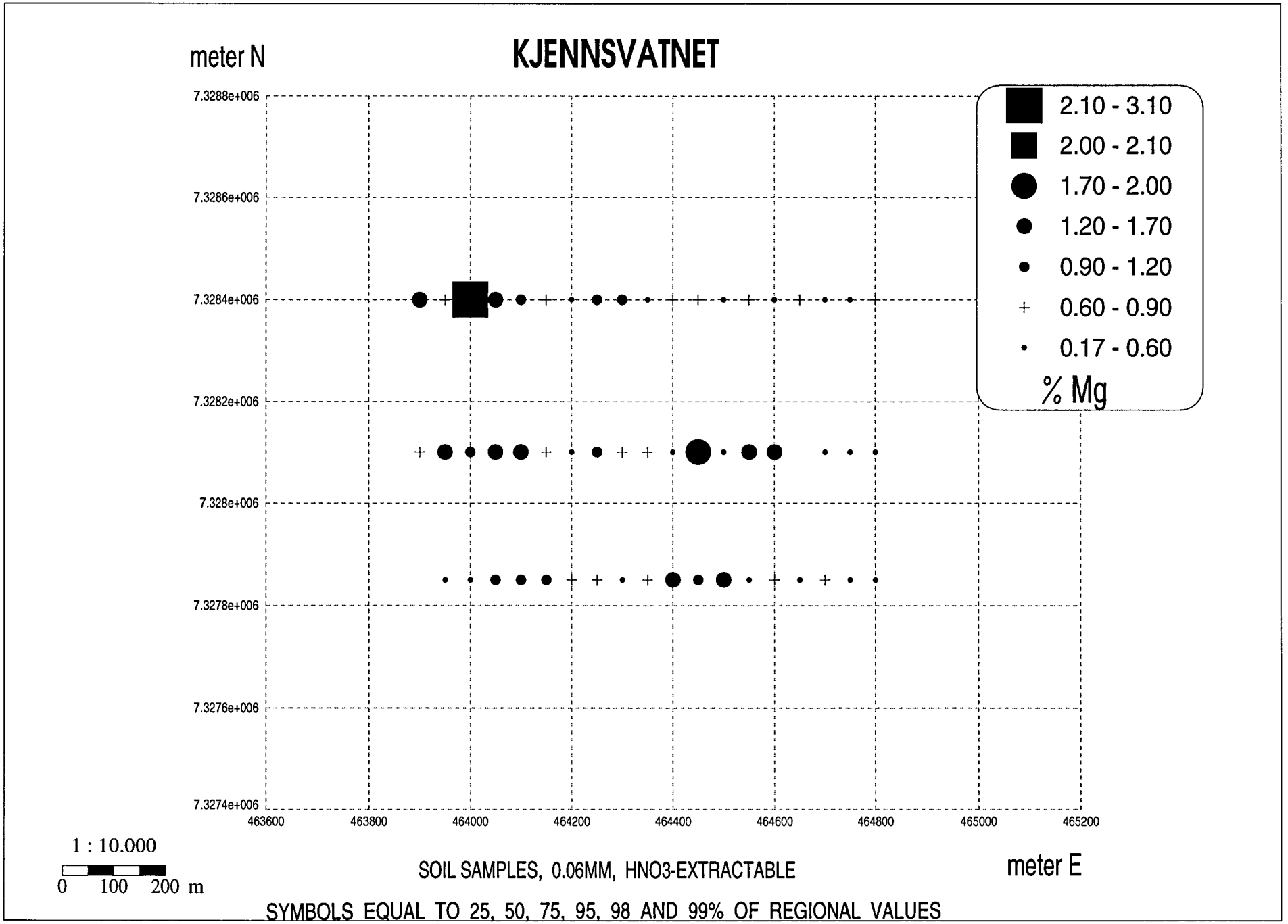

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
126 - 344
117 - 126
96 - 117
61 - 96
45 - 61
34 - 45
1 - 34
ppmCr
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

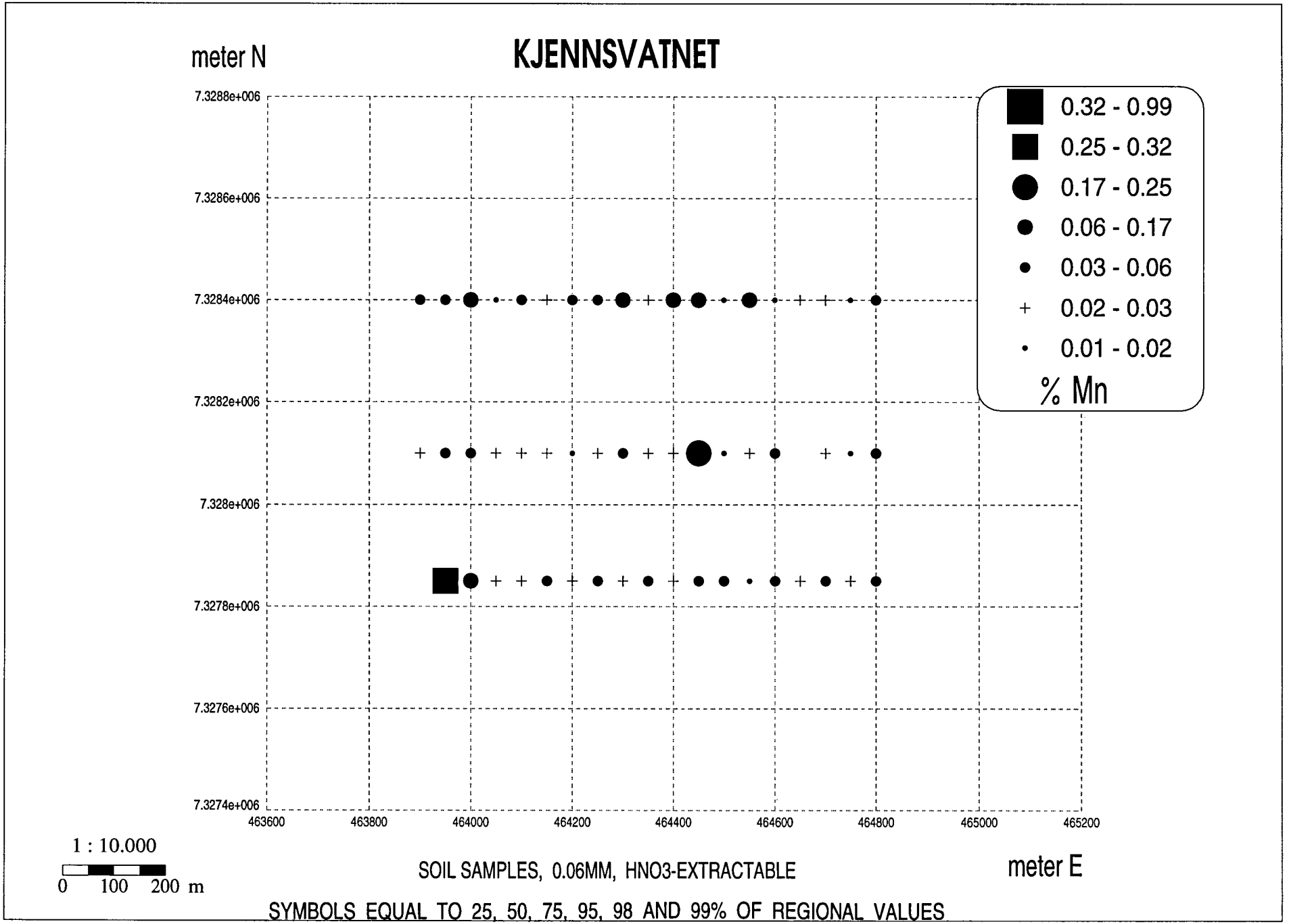

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
12 - 14
11 - 12
10 - 11
7 - 10
5 - 7
4 - 5
2 - 4
% Fe
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

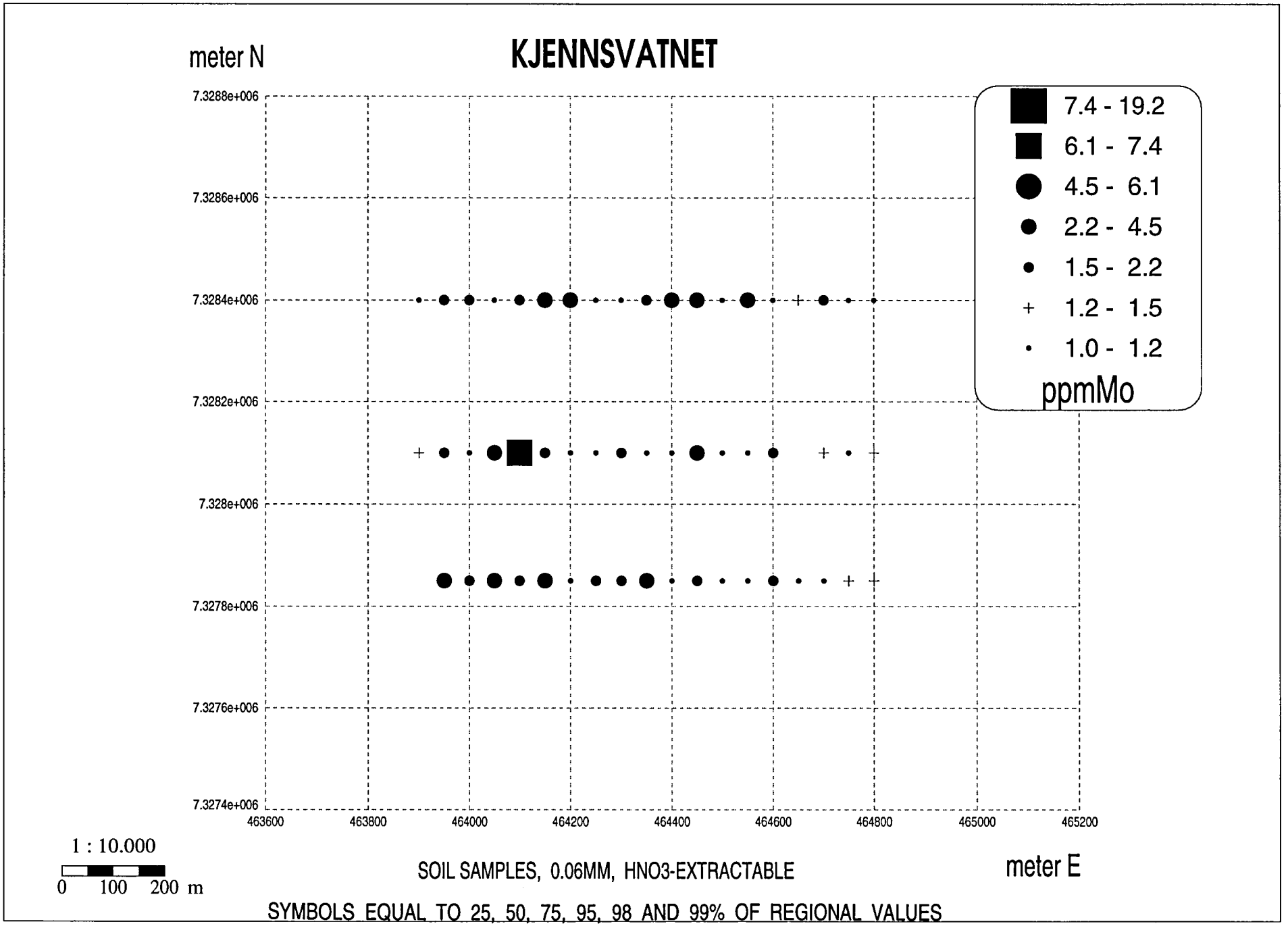

meter N
KJENNSVATNET
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
1.09 - 1.68
0.99 - 1.09
0.74 - 0.99
0.36 - 0.74
0.21 - 0.36
0.11 - 0.21
0.06 - 0.11
% K
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

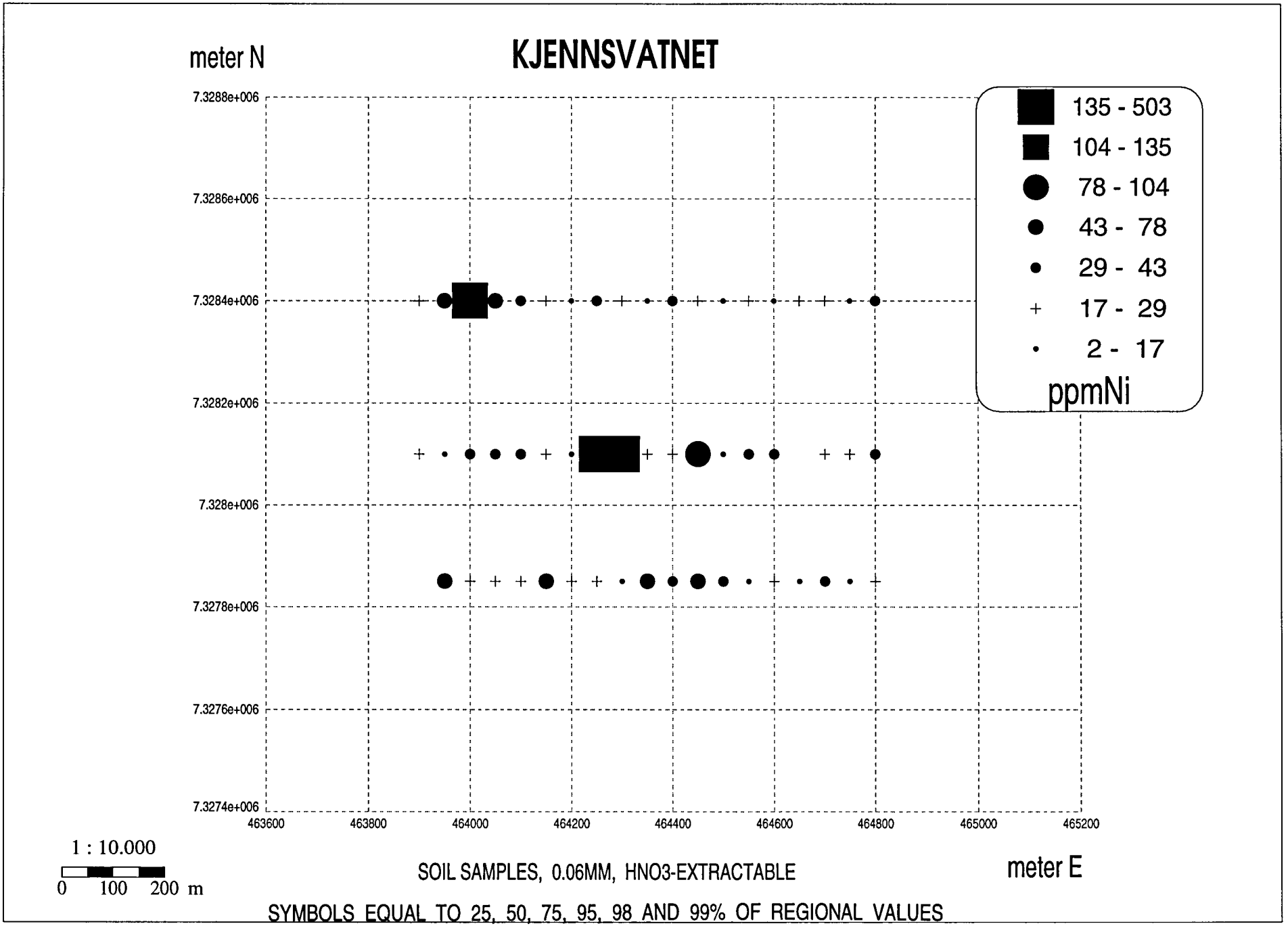

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
96 - 104
76 - 96
58 - 76
32 - 58
21 - 32
12 - 21
10 - 12
ppmLa
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

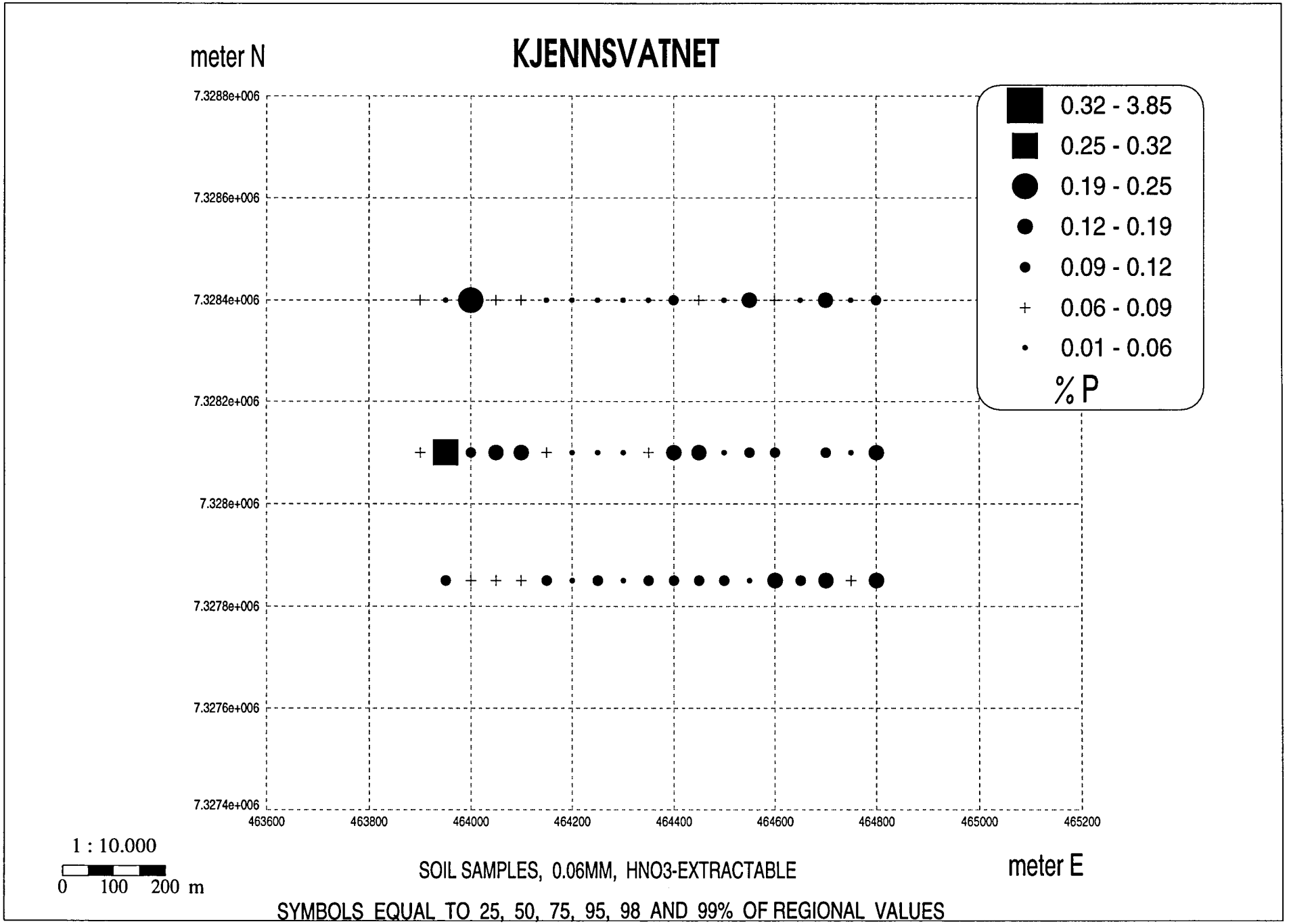

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
53 - 75
49 - 53
42 - 49
27 - 42
18 - 27
12 - 18
3 - 12
ppmLi
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

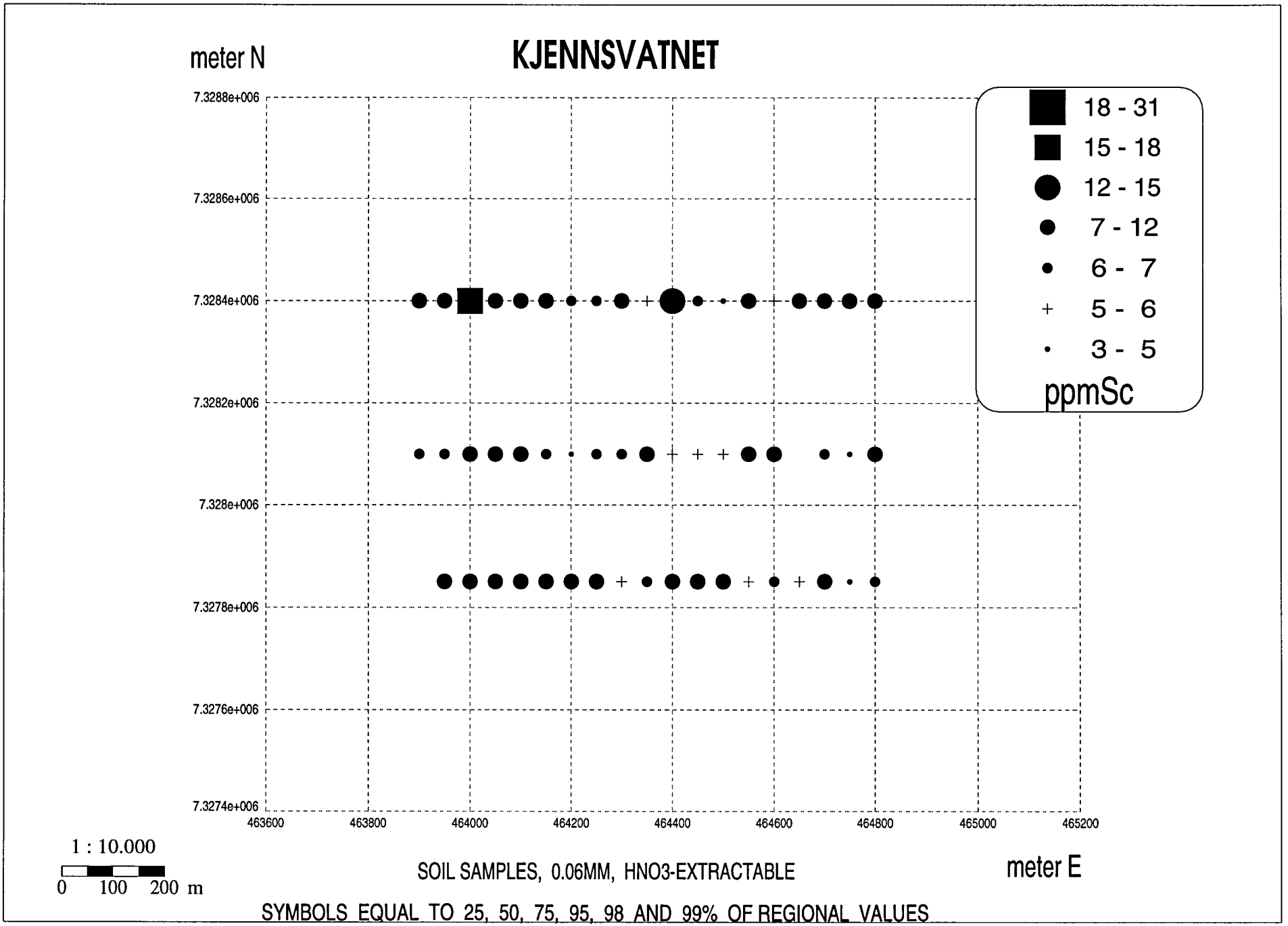

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
2.10 - 3.10
2.00 - 2.10
1.70 - 2.00
1.20 - 1.70
0.90 - 1.20
0.60 - 0.90
0.17 - 0.60
% Mg
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

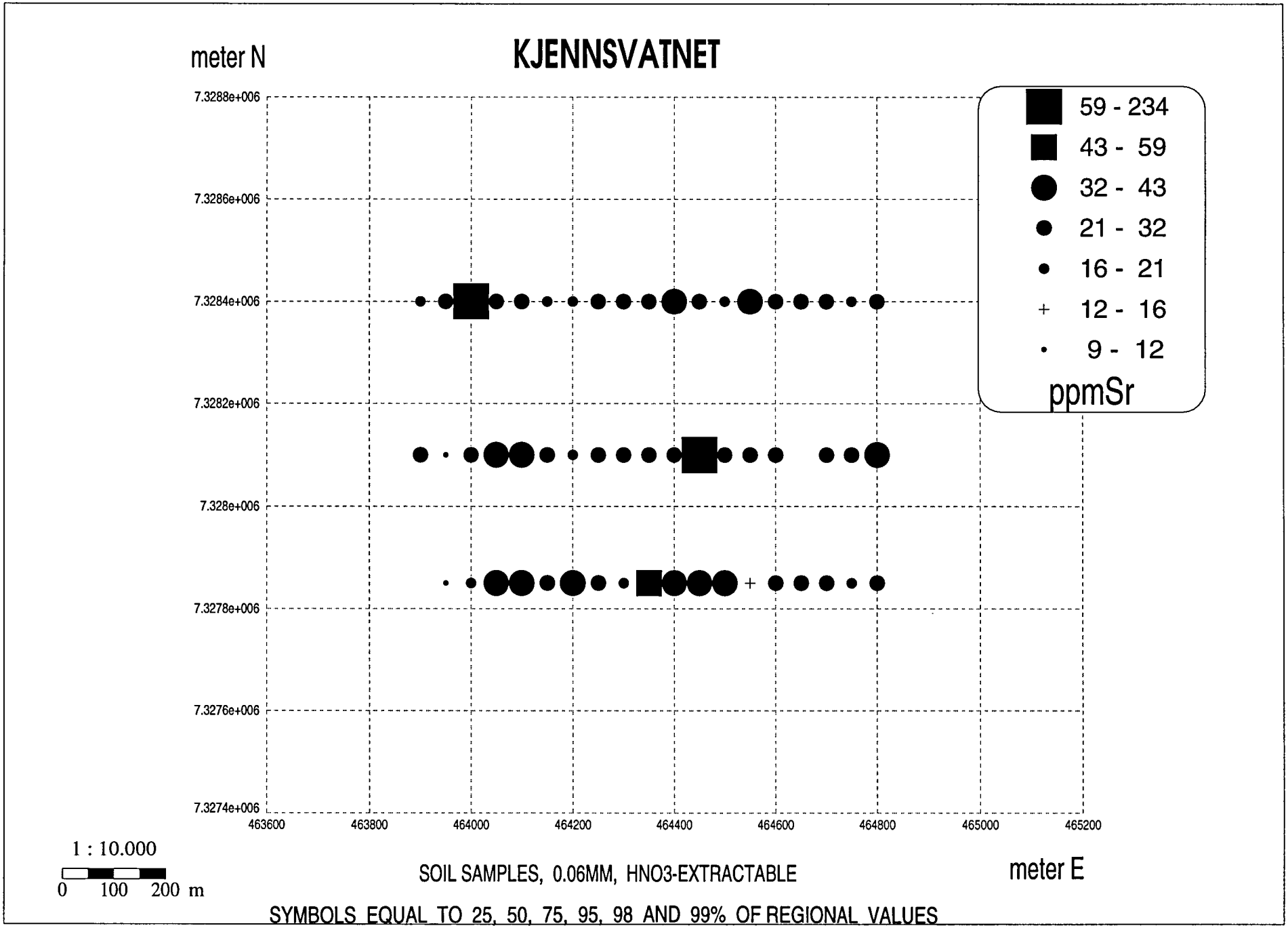

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
0.32 - 0.99
0.25 - 0.32
0.17 - 0.25
0.06 - 0.17
0.03 - 0.06
0.02 - 0.03
0.01 - 0.02
% Mn
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

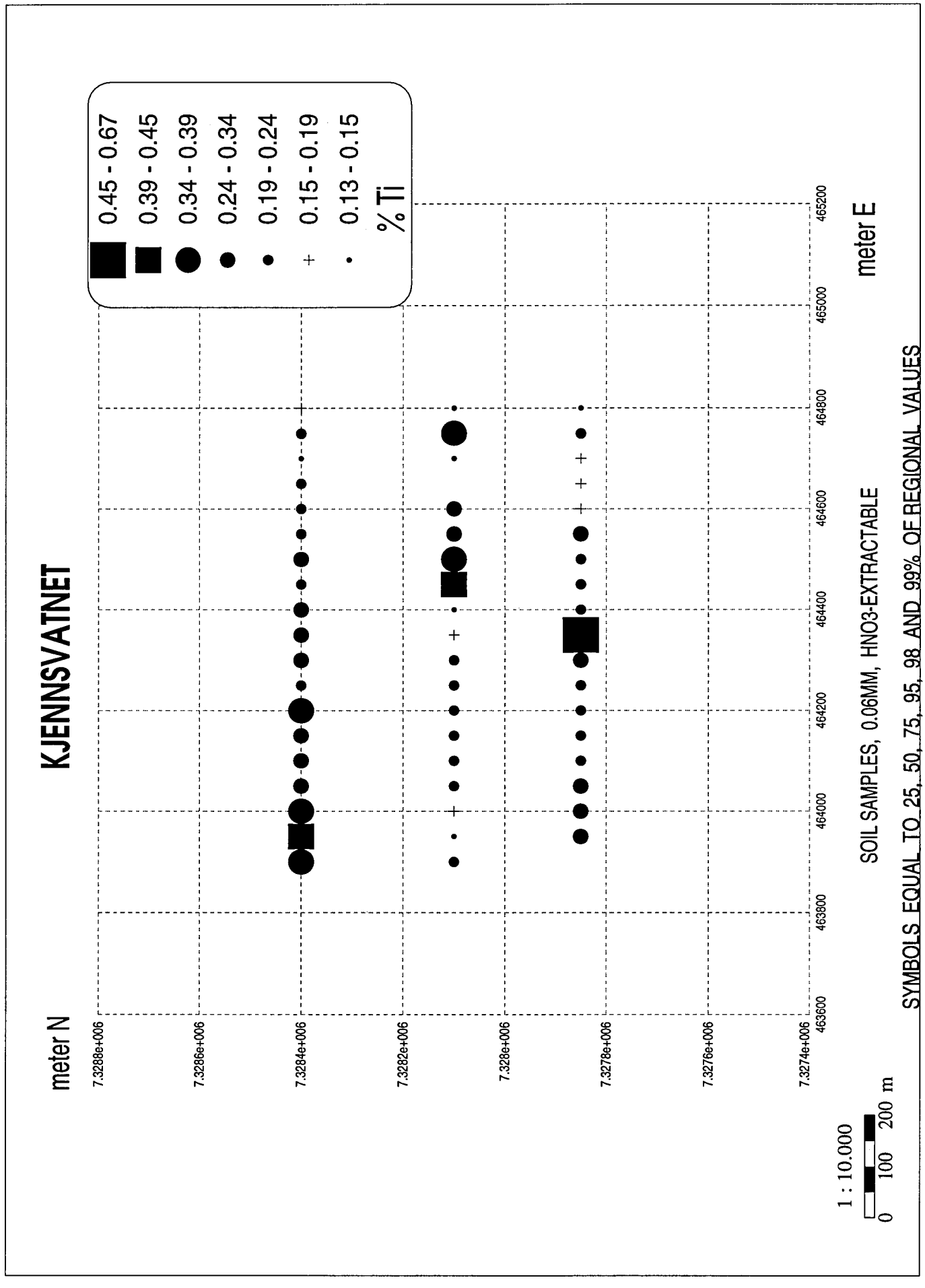

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
meter E
7.4 - 19.2
6.1 - 7.4
4.5 - 6.1
2.2 - 4.5
1.5 - 2.2
1.2 - 1.5
1.0 - 1.2
ppmMo
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

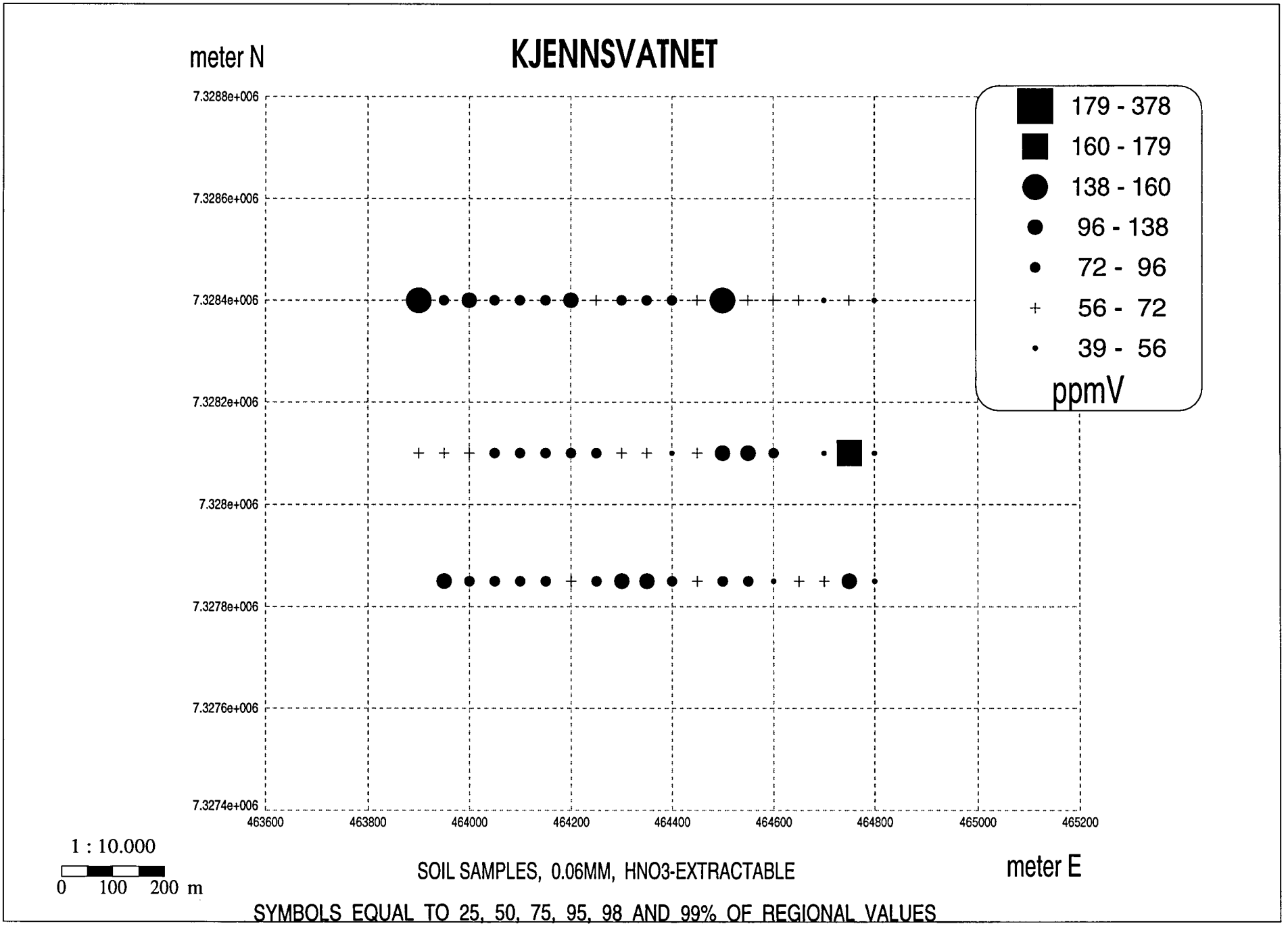

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
135 - 503
104 - 135
78 - 104
43 - 78
29 - 43
17 - 29
2 - 17
ppmNi
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

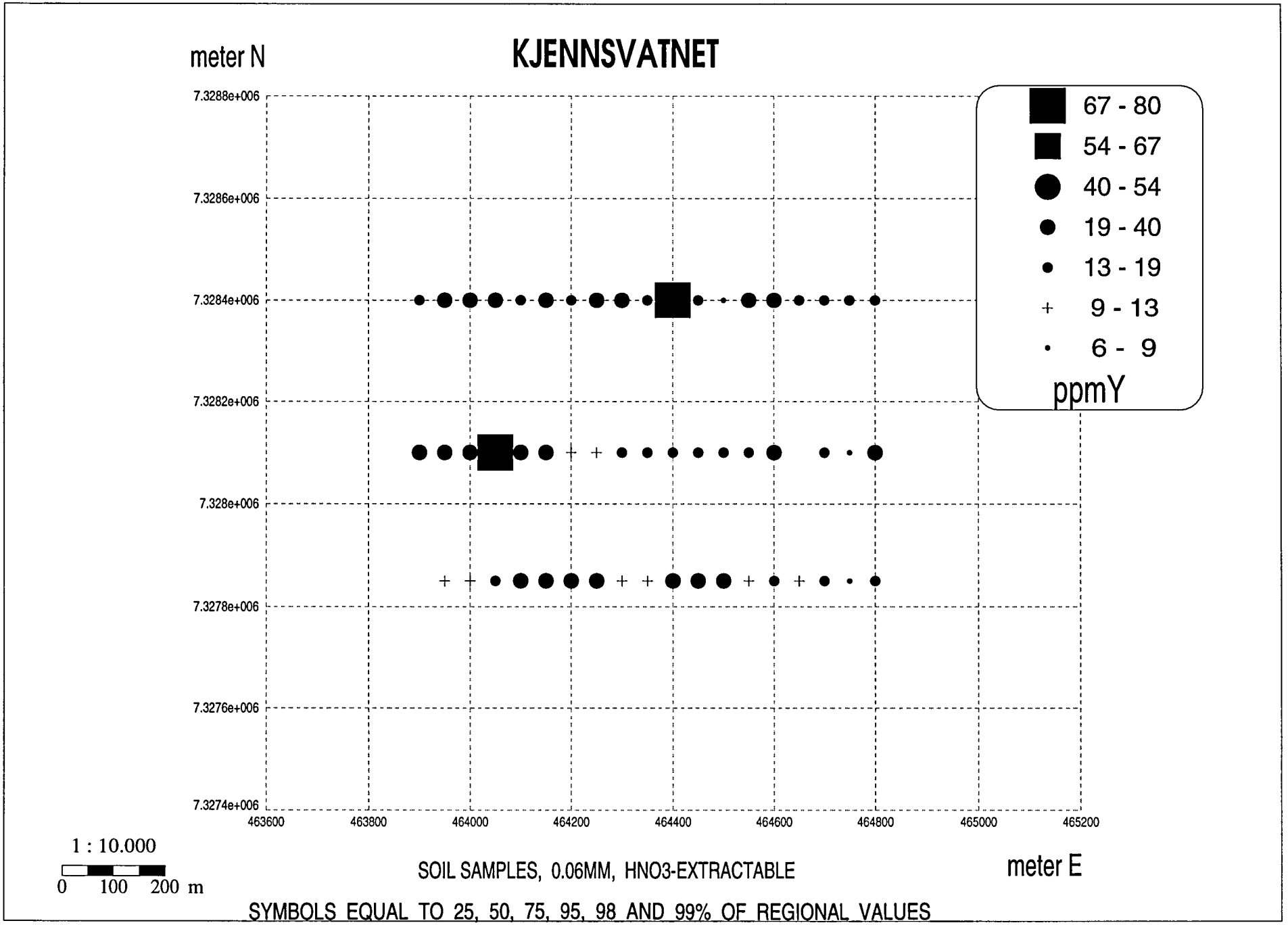

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
meter E
0.32 - 3.85
0.25 - 0.32
0.19 - 0.25
0.12 - 0.19
0.09 - 0.12
0.06 - 0.09
0.01 - 0.06
% P
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

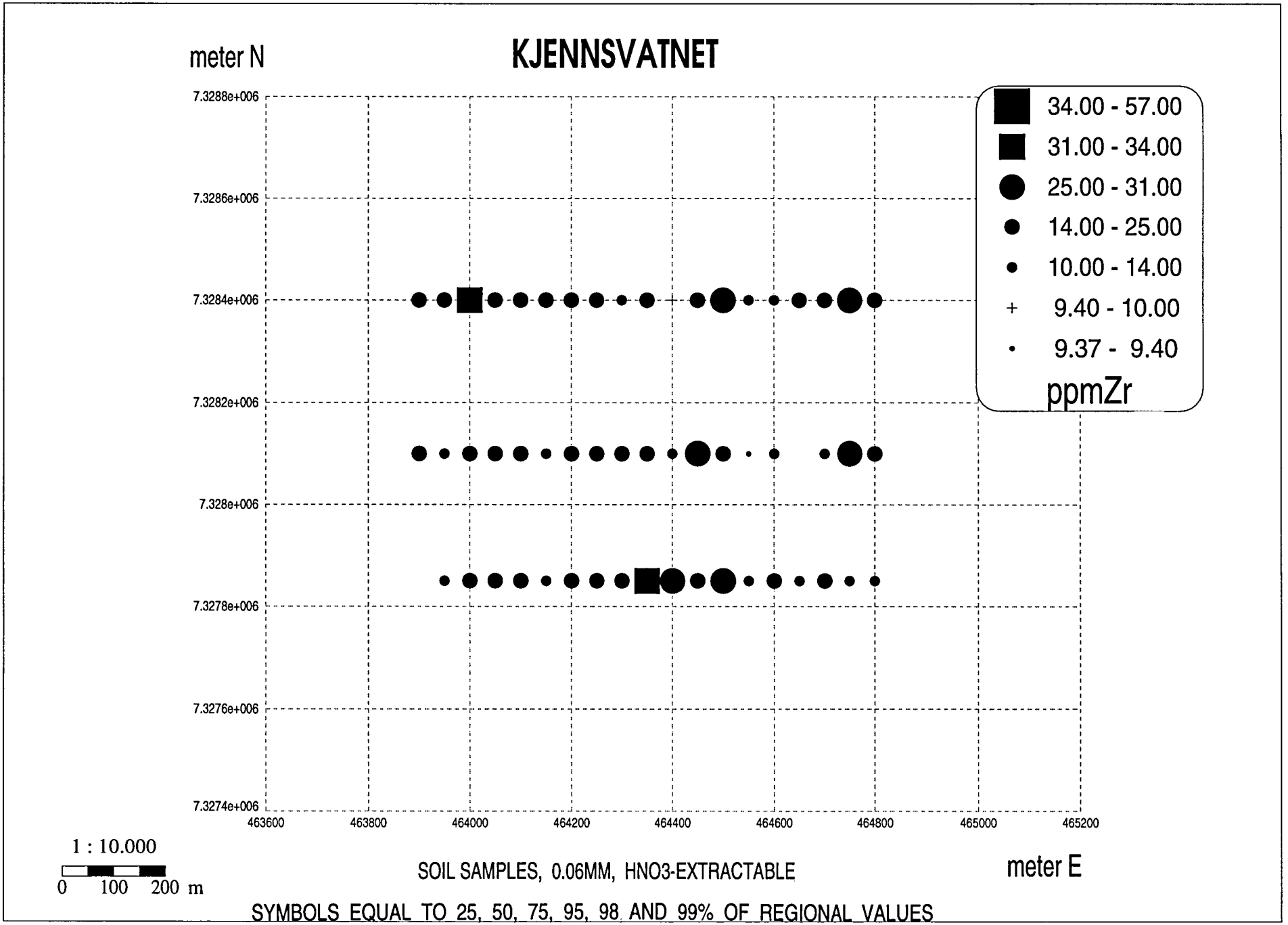

KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
18 - 31
15 - 18
12 - 15
7 - 12
6 - 7
5 - 6
3 - 5
ppmSc
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
59 - 234
43 - 59
32 - 43
21 - 32
16 - 21
12 - 16
9 - 12
ppmSr
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


KJENNSVATNET
meter N
meter E
0.45 - 0.67
0.39 - 0.45
0.34 - 0.39
0.24 - 0.34
0.19 - 0.24
0.15 - 0.19
0.13 - 0.15
% Ti
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES
1 : 10.000
0 100 200 m


meter N
KJENNSVATNET
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
179 - 378
160 - 179
138 - 160
96 - 138
72 - 96
56 - 72
39 - 56
ppmV
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
67 - 80
54 - 67
40 - 54
19 - 40
13 - 19
9 - 13
6 - 9
ppmY
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES


KJENNSVATNET
meter N
7.3288e+006
7.3286e+006
7.3284e+006
7.3282e+006
7.328e+006
7.3278e+006
7.3276e+006
7.3274e+006
463600
463800
464000
464200
464400
464600
464800
465000
465200
34.00 - 57.00
31.00 - 34.00
25.00 - 31.00
14.00 - 25.00
10.00 - 14.00
9.40 - 10.00
9.37 - 9.40
ppmZr
1 : 10.000
0 100 200 m
SOIL SAMPLES, 0.06MM, HNO3-EXTRACTABLE
meter E
SYMBOLS EQUAL TO 25, 50, 75, 95, 98 AND 99% OF REGIONAL VALUES

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
Hallvarddalen																																
1159	444210	7307670	5	32	18	1	2.890	5	11	5	1.390	1	44	23	259	3.730	0.062	12	24	1.890	0.044	1	0.146	74	0.023	9	0.010	24	0.204	93	6	9
1158	444250	7307630	5	68	29	1	4.630	5	34	10	0.964	1	206	28	88	6.380	0.098	61	38	1.070	0.126	1	0.052	45	0.204	13	0.047	50	0.270	89	12	37
1157	444280	7307600	31	40	22	1	2.390	5	27	13	0.794	2	45	37	283	9.620	0.026	11	19	0.930	0.105	1	0.061	147	0.168	9	0.021	20	0.247	92	16	9
1156	444320	7307570	12	59	8	1	1.740	5	35	9	0.562	1	18	5	33	5.890	0.067	11	12	0.455	0.016	1	0.042	6	0.068	4	0.014	41	0.368	131	11	6
1155	444360	7307540	9	65	26	1	3.580	5	31	10	0.962	1	90	57	98	8.390	0.057	50	22	1.670	0.171	1	0.073	55	0.116	17	0.010	36	0.283	120	21	38
1154	444390	7307510	5	64	25	1	2.700	5	55	7	0.645	1	125	20	52	4.570	0.186	45	21	1.040	0.082	1	0.046	25	0.049	8	0.010	23	0.221	72	9	31
1153	444440	7307480	5	79	24	1	3.060	5	31	6	0.843	1	116	19	40	4.620	0.091	31	30	1.650	0.093	1	0.074	23	0.049	10	0.010	21	0.341	90	11	26
1152	444470	7307450	5	117	47	1	3.960	5	83	10	0.880	1	68	19	62	6.530	0.441	25	43	2.070	0.052	1	0.056	33	0.078	9	0.018	21	0.319	102	18	19
1136	444480	7308220	5	43	30	1	5.710	5	52	8	0.434	1	232	29	62	4.840	0.235	52	15	0.703	0.043	2	0.035	48	0.048	10	0.010	17	0.175	74	9	35
1151	444510	7307430	5	81	27	1	3.440	5	45	7	0.524	1	69	17	62	4.710	0.162	33	30	1.180	0.033	2	0.062	29	0.040	9	0.011	18	0.284	95	12	22
1135	444540	7308180	5	39	19	1	3.410	5	41	7	0.456	1	31	8	55	4.590	0.180	23	14	0.740	0.015	2	0.044	20	0.056	6	0.011	21	0.286	92	9	11
1150	444540	7307410	6	134	21	1	3.390	5	85	8	0.865	1	315	21	47	6.010	0.160	115	34	0.995	0.137	2	0.044	29	0.156	11	0.010	33	0.207	81	10	79
1134	444590	7308160	5	81	35	1	4.740	5	59	9	0.639	1	115	43	76	5.640	0.168	31	48	1.270	0.076	1	0.082	60	0.047	8	0.021	27	0.269	107	8	21
1149	444600	7307390	38	11	3	1	0.840	5	46	2	0.203	1	41	2	38	0.832	0.207	20	3	0.204	0.008	1	0.035	4	0.007	3	0.014	12	0.470	98	30	6
1148	444630	7307350	5	38	17	1	2.990	5	37	7	0.514	1	47	8	43	5.320	0.133	24	16	0.813	0.025	2	0.053	16	0.036	7	0.010	22	0.321	88	11	17
1133	444630	7308130	5	40	35	1	3.510	5	40	9	0.686	1	102	16	80	5.700	0.138	21	21	0.981	0.040	1	0.075	38	0.060	8	0.013	21	0.259	98	8	14
1132	444660	7308110	17	46	70	1	3.500	5	77	15	0.405	1	10	19	237	9.500	0.390	17	16	1.600	0.035	1	0.059	152	0.014	7	0.010	15	0.415	158	15	7
1147	444680	7307330	11	35	13	1	2.120	5	42	6	0.445	1	22	8	39	4.140	0.157	17	13	0.690	0.026	1	0.047	15	0.048	5	0.017	19	0.291	96	8	8
1131	444700	7308080	5	36	43	1	3.190	5	40	5	0.461	1	95	10	47	3.690	0.169	28	17	0.764	0.020	1	0.046	26	0.048	10	0.064	16	0.172	68	11	19
1146	444730	7307310	5	29	13	1	2.750	5	38	6	0.299	1	29	6	43	4.190	0.168	19	10	0.583	0.014	1	0.043	13	0.029	6	0.010	15	0.248	95	13	9
1130	444750	7308050	14	15	6	1	1.110	5	31	3	0.278	1	14	3	24	1.930	0.142	9	4	0.267	0.010	1	0.033	5	0.012	4	0.014	12	0.436	160	14	4
1115	444760	7307230	5	84	29	1	4.410	5	105	9	0.414	1	120	24	98	7.210	0.464	19	48	2.250	0.047	2	0.049	29	0.020	12	0.010	15	0.379	138	18	11
1129	444800	7308020	7	54	46	1	3.190	5	66	9	0.499	1	45	17	62	5.710	0.363	15	19	1.180	0.041	1	0.058	32	0.062	9	0.010	20	0.218	109	15	12
1114	444810	7307210	13	82	52	1	2.980	5	97	6	0.809	1	102	16	55	4.390	0.297	33	21	1.450	0.071	1	0.063	43	0.067	9	0.010	28	0.212	75	20	21
1145	444810	7308740	7	23	6	1	1.980	5	25	4	6.100	1	87	9	24	2.300	0.079	17	19	6.250	0.026	1	0.040	14	0.287	4	0.033	47	0.091	36	4	8
1128	444840	7308010	5	77	88	1	4.240	5	165	12	0.472	1	123	32	84	10.200	0.770	33	38	1.960	0.094	3	0.050	45	0.053	13	0.022	31	0.242	107	23	24
1113	444860	7307180	5	91	53	1	3.830	5	141	10	1.070	1	84	35	81	7.540	0.336	60	30	1.560	0.129	2	0.083	32	0.132	13	0.010	41	0.262	120	9	33
1144	444870	7308720	10	40	13	1	2.900	5	37	7	0.850	1	66	13	60	5.590	0.117	20	25	0.776	0.035	1	0.048	24	0.055	7	0.014	31	0.294	107	15	13
804	444893	7308345	42	35	15	1	3.230	5	47	13	0.270	1	57	16	47	8.380	0.096	7	19	0.510	0.113	1	0.027	16	0.078	8	0.102	14	0.255	103	12	11
1127	444900	7308010	5	74	44	1	3.250	5	77	8	0.719	1	113	22	66	5.640	0.181	57	34	1.330	0.091	2	0.057	49	0.083	12	0.010	31	0.282	93	9	44
1112	444910	7307150	5	56	43	1	4.450	5	103	11	0.589	2	59	24	66	9.390	0.457	20	30	1.770	0.060	3	0.067	29	0.088	12	0.019	28	0.324	123	23	19
1183	444910	7309030	6	58	44	1	2.370	5	57	5	0.610	1	87	13	41	4.010	0.224	31	19	0.885	0.047	2	0.047	33	0.064	8	0.011	30	0.207	62	24	19
1182	444930	7309010	8	49	55	1	2.720	5	47	5	0.431	1	65	12	41	4.220	0.193	30	18	0.856	0.042	1	0.038	27	0.060	8	0.011	23	0.181	61	20	18
1126	444930	7307990	5	65	55	1	4.070	5	87	8	0.571	1	116	18	54	5.100	0.383	33	28	1.310	0.045	1	0.051	48	0.075	8	0.034	27	0.200	71	19	18
801	444939	7308019	11	46	72	1	3.560	5	111	13	0.452	1	145	27	93	7.470	0.342	17	24	1.540	0.068	2	0.041	43	0.047	8	0.010	16	0.210	117	9	17
1143	444940	7308720	5	69	24	1	2.990	5	140	8	0.680	1	29	20	52	6.120	0.817	19	28	1.430	0.088	2	0.030	32	0.080	5	0.010	29	0.250	84	11	7
1111	444950	7307130	13	61	21	1	3.940	5	93	11	0.814	1	18	17	54	8.150	0.241	12	36	1.250	0.090	2	0.076	18	0.091	7	0.015	31	0.461	128	12	13
1181	444950	7309000	5	49	30	1	2.450	5	44	5	0.554	1	56	10	40	4.170	0.138	27	24	0.710	0.023	1	0.042	25	0.082	6	0.016	27	0.185	59	9	14
1180	444970	7308990	18	55	63	1	2.330	5	44	5	0.436	1	91	18	38	4.450	0.172	36	25	0.796	0.083	1	0.036	34	0.056	8	0.017	24	0.183	55	19	21
1125	444980	7307990	6	25	34	1	3.690	5	37	12	0.428	2	10	11	71	13.800	0.117	1	17	0.900	0.023	1	0.064	20	0.016	9	0.018	7	0.286	193	19	12
1142	444980	7308700	19	23	19	1	2.590	5	37	10	0.238	1	16	5	48	8.870	0.153	13	11	0.445	0.021	1	0.027	8	0.019	6	0.014	14	0.317	122	25	5
802	444982	7307694	17	37	107	1	3.200	5	52	16	0.531	1	115	45	101	9.700	0.046	14	29	1.250	0.179	5	0.030	60	0.130	6	0.013	17	0.447	116	12	16
1110	444990	7307110	5	101	39	1	4.970	5	111	10	1.050	1	128	28	70	6.970	0.216	38	47	1.830	0.216	3	0.076	35	0.094	11	0.012	33	0.364	111	11	34
1179	444990	7308970	5	34	16	1	2.410	5	35	7	0.553	1	10	9	75	5.430	0.105	5	15	0.793	0.019	1	0.091	20	0.039	9	0.010	8	0.244	121	8	4
803	444999	7307363	6	41	66	1	4.320	5	69	13	0.392	1	164	37	94	7.500	0.192	20	28	1.250	0.070	3	0.041	67	0.085	9	0.082	12	0.191	92	9	17
1178	445010	7308960	5	29	7	1	1.710	5	49	3	0.888	1	53	6	31	1.640	0.065	23	15	1.900	0.062	1	0.028	12	0.135	4	0.010	15	0.155	29	5	14
1124	445020	7307960	5	70	41	1	3.500	5	215	11	0.903	1	101	24	71	7.230	0.469	48	30	1.880	0.124	2	0.072	41	0.131	14	0.010	40	0.238	103	12	36
1141	445020	7308680	5	26	16	1	2.230	5	29	6	0.279	1	28	5	32	3.750	0.126	19	11	0.397	0.016	1	0.030	8	0.032	5	0.019	16	0.177	62	22	7
1109	445020	7307090	16	51	28	1	3.130	5	30	9	0.499	1	139	19	40	6.000	0.113	35	24	0.989	0.050	2	0.043	15	0.030	7	0.012	13	0.466	95	18	32

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1177	445030	7308950	10	62	45	1	2.560	5	47	6	0.453	1	83	17	39	5.730	0.184	23	18	0.774	0.089	2	0.035	26	0.085	6	0.015	23	0.180	61	16	11
17	445032	7307961	5	53	240	1	2.681	5	253	15	0.571	1	132	74	65	10.265	0.000	38	20	1.251	0.172	1	0.020	137	0.108	10	0.100	20	0.155	95	23	21
1176	445050	7308940	17	62	55	1	2.160	5	48	6	0.484	1	60	14	38	5.130	0.225	31	16	0.824	0.068	1	0.038	28	0.062	6	0.011	26	0.192	59	24	13
1108	445060	7307060	5	70	26	1	4.790	5	49	9	0.987	1	192	23	67	5.760	0.232	44	28	2.130	0.080	2	0.058	35	0.266	11	0.014	23	0.201	100	14	26
1140	445060	7308650	5	77	55	1	3.440	5	107	6	0.559	1	56	21	54	4.660	0.563	21	52	1.400	0.075	2	0.042	33	0.067	6	0.010	24	0.232	80	13	12
805	445062	7308590	6	36	20	1	3.050	5	31	6	0.387	1	35	7	43	3.550	0.142	21	20	0.784	0.017	1	0.031	14	0.074	6	0.055	18	0.193	62	8	11
1175	445070	7308920	14	30	11	1	2.500	5	33	6	0.648	1	28	7	38	4.950	0.117	17	21	0.751	0.016	1	0.038	11	0.043	6	0.012	33	0.441	94	17	14
1123	445080	7307930	5	58	37	1	3.330	5	94	8	0.733	1	54	19	56	5.420	0.308	29	28	1.620	0.076	4	0.051	31	0.086	8	0.010	27	0.257	82	13	21
1174	445090	7308910	5	108	41	1	4.500	5	306	7	0.445	1	20	35	91	6.110	1.010	22	84	2.750	0.052	1	0.038	54	0.010	7	0.010	43	0.435	136	11	7
1139	445100	7308630	10	32	22	1	3.200	5	30	11	0.349	1	45	8	46	7.240	0.154	20	16	0.628	0.019	1	0.041	11	0.053	7	0.016	18	0.203	86	14	11
1173	445110	7308900	8	73	36	1	1.860	6	59	4	0.867	1	76	14	31	2.920	0.213	38	18	0.831	0.035	1	0.047	24	0.136	6	0.013	37	0.158	54	15	21
1107	445110	7307040	5	58	38	1	3.140	5	40	7	0.375	1	89	10	46	5.040	0.174	20	29	1.130	0.023	1	0.035	29	0.039	6	0.011	19	0.178	68	20	9
1122	445120	7307920	5	36	33	1	5.210	5	100	12	0.600	1	50	11	68	8.390	0.243	26	27	1.130	0.030	3	0.045	15	0.069	10	0.012	24	0.334	110	12	20
1172	445130	7308880	5	51	9	1	2.650	5	44	5	1.790	1	49	19	77	3.720	0.299	22	32	1.660	0.036	1	0.243	35	0.232	9	0.010	23	0.195	120	4	10
1138	445140	7308610	5	71	30	1	5.270	5	42	7	0.698	1	61	18	64	4.500	0.181	30	44	1.410	0.031	1	0.048	27	0.066	11	0.010	36	0.366	87	16	22
1106	445150	7307020	7	69	24	1	3.640	5	37	9	0.455	1	164	21	52	5.640	0.147	15	35	1.230	0.055	1	0.042	27	0.054	7	0.010	19	0.226	89	14	12
1171	445150	7308870	5	29	45	1	5.910	5	44	9	0.580	4	135	52	173	9.420	0.165	19	26	1.800	0.190	3	0.065	60	0.055	15	0.010	13	0.293	91	20	20
1170	445170	7308860	10	60	13	1	3.270	6	80	11	0.628	1	95	14	44	7.310	0.235	41	41	1.030	0.077	5	0.042	19	0.035	9	0.013	28	0.296	100	17	36
1137	445170	7308590	5	73	24	1	3.140	5	123	6	0.861	1	46	21	52	4.430	0.605	28	43	1.520	0.069	2	0.048	30	0.101	7	0.010	39	0.287	79	10	15
1121	445170	7307890	5	36	23	1	3.340	5	79	11	0.630	1	29	10	54	8.560	0.257	16	18	0.875	0.027	1	0.044	16	0.050	7	0.010	22	0.349	115	12	13
1169	445190	7308840	5	46	12	1	3.170	5	110	6	1.090	1	82	16	102	3.240	0.277	43	38	2.240	0.042	1	0.112	28	0.076	8	0.010	87	0.182	80	9	12
16	445197	7306924	15	92	23	1	3.055	5	61	12	0.497	1	90	22	42	5.466	0.194	40	32	0.718	0.134	1	0.036	19	0.103	6	0.024	33	0.334	106	8	12
1105	445210	7306990	18	38	18	1	2.500	5	79	9	0.370	1	12	8	40	6.820	0.418	10	8	0.885	0.018	1	0.049	17	0.030	7	0.010	16	0.324	160	27	6
1120	445210	7307860	5	57	12	1	2.660	5	120	7	0.464	1	22	15	53	4.920	0.671	15	24	1.300	0.046	1	0.036	26	0.053	6	0.010	20	0.332	155	9	6
1168	445210	7308830	5	57	39	1	3.470	5	47	7	0.543	1	155	18	71	5.530	0.184	27	33	1.060	0.053	1	0.047	37	0.073	9	0.018	25	0.200	73	17	17
1167	445230	7308820	5	42	13	1	2.620	5	72	10	0.768	1	10	16	130	7.130	0.364	6	24	1.400	0.045	1	0.150	27	0.040	10	0.010	13	0.437	250	6	8
1001	445240	7308560	5	74	65	1	2.970	5	76	5	0.685	1	76	12	48	3.490	0.389	42	29	1.350	0.030	1	0.046	35	0.130	8	0.010	34	0.201	70	34	18
1104	445250	7306960	5	57	32	1	3.490	5	59	9	0.505	1	72	16	52	6.340	0.306	21	30	1.050	0.037	3	0.044	28	0.072	7	0.018	24	0.275	89	22	12
1119	445260	7307830	9	49	16	1	4.390	5	37	11	0.504	1	74	14	50	8.100	0.075	41	37	1.040	0.041	2	0.066	18	0.047	7	0.016	55	0.407	109	17	26
1166	445260	7308810	5	42	86	1	3.540	5	56	7	0.685	1	72	28	178	5.620	0.144	32	71	1.940	0.052	4	0.088	64	0.043	10	0.010	17	0.408	153	7	15
1002	445280	7308530	5	45	17	1	2.270	5	51	5	0.572	1	29	9	42	3.200	0.219	17	19	0.807	0.030	1	0.045	19	0.051	7	0.010	27	0.278	88	14	10
1165	445280	7308790	5	61	38	1	3.270	5	142	8	0.961	1	115	27	172	5.000	0.767	32	48	2.100	0.067	1	0.076	53	0.191	11	0.010	27	0.409	135	14	19
1210	445290	7308290	12	83	35	1	2.860	5	68	6	0.983	1	83	19	39	4.810	0.197	27	28	1.040	0.085	1	0.047	27	0.102	7	0.017	34	0.257	89	9	17
1103	445290	7306940	12	54	20	1	2.470	5	44	6	0.345	1	56	13	36	4.540	0.177	25	14	0.630	0.045	1	0.030	15	0.049	6	0.015	20	0.252	71	13	14
1118	445300	7307800	7	92	33	1	4.060	5	53	10	0.968	1	87	23	57	7.210	0.091	60	47	1.450	0.086	2	0.089	34	0.128	10	0.010	71	0.289	98	10	41
1164	445300	7308780	5	35	7	1	1.730	5	48	4	0.879	1	21	12	74	3.180	0.167	9	14	1.080	0.023	1	0.163	23	0.045	8	0.010	9	0.272	149	3	8
1211	445310	7308280	58	102	45	1	2.810	5	98	7	1.100	1	111	21	42	5.050	0.398	41	30	1.730	0.118	1	0.056	30	0.103	9	0.010	34	0.240	77	17	27
1163	445320	7308770	5	88	9	1	3.150	5	35	8	0.666	1	19	20	38	6.610	0.103	14	58	1.560	0.043	1	0.044	21	0.023	6	0.010	30	0.366	122	25	10
1003	445330	7308500	11	55	42	1	3.340	5	47	8	0.414	1	69	12	44	5.490	0.192	23	26	0.930	0.051	2	0.038	27	0.059	6	0.013	22	0.189	65	20	13
1212	445330	7308270	26	49	26	1	2.890	5	48	8	0.855	1	103	23	39	6.430	0.201	26	27	1.090	0.091	2	0.043	19	0.062	7	0.013	35	0.325	92	16	15
1102	445340	7306910	11	129	101	1	3.290	5	117	9	1.460	1	92	31	42	7.200	0.189	55	78	1.640	0.228	1	0.072	48	0.182	19	0.010	64	0.304	124	16	44
895	445349	7308396	16	15	4	1	0.789	5	35	3	0.100	1	12	4	16	1.720	0.179	7	4	0.265	0.014	1	0.021	8	0.004	2	0.019	7	0.244	63	15	2
1162	445350	7308750	5	60	45	1	3.470	5	127	9	0.717	1	16	13	91	7.380	0.425	9	34	1.540	0.018	1	0.094	21	0.097	13	0.010	9	0.239	139	9	8
1213	445350	7308260	16	94	35	1	2.650	5	62	5	1.490	1	97	23	45	4.400	0.299	54	22	1.950	0.117	1	0.042	27	0.119	7	0.010	40	0.273	67	17	29
1117	445350	7307780	21	103	35	1	3.630	9	51	7	0.818	1	106	20	53	4.460	0.114	53	24	1.110	0.123	1	0.052	23	0.168	11	0.010	35	0.221	84	7	38
899	445370	7308665	17	106	66	1	4.700	5	82	14	0.848	1	145	31	81	9.500	0.199	46	44	3.060	0.191	4	0.028	61	0.346	10	0.023	23	0.202	119	21	15
1214	445370	7308260	21	57	45	1	2.520	5	41	7	0.621	1	64	18	35	5.270	0.187	22	20	0.911	0.060	1	0.041	22	0.090	6	0.010	26	0.193	71	16	13
1161	445370	7308740	5	72	26	1	4.210	5	187	7	0.926	1	80	44	81	5.660	0.679	38	57	2.780	0.114	1	0.082	45	0.119	10	0.010	17	0.441	115	16	30
1004	445380	7308480	14	54	38	1	2.580	5	62	3	0.435	1	69	8	60	2.150	0.314	32	23	1.140	0.016	1	0.042	24	0.048	8	0.010	21	0.286	104	22	14
1215	445390	7308250	10	39	31	1	2.010	5	36	6	0.511	1	61	11	29	3.470	0.161	16	17	0.750	0.042	1	0.037	15	0.055	5	0.010	21	0.198	65	12	11

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1101	445390	7306890	9	95	69	1	3.590	5	85	8	0.528	1	131	24	53	6.070	0.396	34	25	1.050	0.086	2	0.037	41	0.149	8	0.033	26	0.212	87	16	15
	445390	7308730	8	52	37	1	2.550	5	35	6	0.421	1	58	9	52	4.420	0.111	24	22	0.894	0.025	2	0.044	23	0.073	7	0.011	21	0.252	81	11	15
1116	445400	7307750	9	53	56	1	3.040	5	54	10	0.774	2	86	52	36	7.330	0.147	18	28	0.903	0.203	10	0.040	17	0.072	5	0.010	23	0.419	96	12	28
1184	445400	7308710	19	88	59	1	3.540	5	57	8	0.716	1	118	33	60	6.530	0.129	56	46	0.941	0.114	1	0.045	65	0.116	16	0.020	45	0.268	74	15	41
896	445401	7308004	18	48	14	1	2.330	5	36	9	0.290	1	15	10	38	5.220	0.091	7	32	0.613	0.020	2	0.026	16	0.021	4	0.020	16	0.308	96	15	6
1216	445410	7308240	8	129	64	1	3.180	5	125	8	1.140	1	68	25	56	4.850	0.651	37	45	1.870	0.056	2	0.055	44	0.155	7	0.013	38	0.249	91	10	19
1185	445420	7308690	24	159	33	1	2.750	5	110	10	1.490	1	130	29	42	7.970	0.126	60	42	1.070	0.325	1	0.036	42	0.239	15	0.011	119	0.241	70	13	36
1217	445430	7308230	10	55	49	1	2.740	5	41	8	0.474	1	115	15	37	4.710	0.183	24	21	0.856	0.061	1	0.038	22	0.085	7	0.010	22	0.185	69	15	15
1005	445430	7308450	8	80	58	1	2.250	5	71	5	1.080	1	103	21	40	2.950	0.325	52	24	1.140	0.038	1	0.052	55	0.194	9	0.010	59	0.199	53	44	24
1186	445440	7308680	16	113	61	1	2.820	5	70	8	0.954	1	103	26	47	6.960	0.197	46	42	1.210	0.083	2	0.042	43	0.153	12	0.013	78	0.284	80	21	26
898	445449	7307673	22	139	70	1	2.770	5	93	9	0.915	1	106	17	49	5.280	0.434	52	32	1.360	0.039	2	0.042	40	0.141	10	0.062	29	0.156	75	8	42
1218	445450	7308220	5	113	20	1	3.160	5	64	8	0.929	1	52	14	48	5.440	0.289	28	32	1.410	0.029	2	0.051	24	0.151	8	0.010	36	0.229	86	11	15
1100	445450	7306860	32	43	8	1	1.640	5	53	6	0.411	1	23	7	38	3.710	0.192	10	11	0.507	0.076	1	0.038	10	0.035	5	0.013	21	0.378	99	16	8
897	445458	7307388	34	100	21	1	3.030	5	38	17	1.330	1	76	24	36	13.900	0.082	40	44	1.200	0.110	2	0.029	25	0.244	15	0.026	34	0.241	96	14	46
1187	445460	7308670	21	36	21	1	3.910	5	36	8	0.581	1	84	18	41	7.330	0.094	28	11	0.270	0.074	2	0.030	13	0.210	9	0.026	61	0.230	83	16	15
1006	445470	7308420	5	145	52	1	4.150	5	36	8	1.910	1	58	20	56	6.070	0.147	29	82	3.160	0.049	1	0.041	49	0.331	15	0.010	113	0.292	115	21	30
1219	445470	7308210	5	79	79	1	2.860	5	85	6	0.801	1	98	20	45	4.230	0.384	60	26	1.430	0.034	2	0.053	38	0.093	11	0.010	31	0.213	80	30	36
1220	445490	7308200	5	66	12	1	2.940	5	123	5	0.711	1	31	15	54	2.890	0.609	16	37	1.490	0.032	1	0.042	30	0.024	5	0.010	35	0.251	72	9	8
1188	445490	7308650	5	81	22	1	2.100	5	53	4	1.030	1	63	13	33	3.120	0.231	31	21	1.130	0.056	1	0.046	27	0.140	6	0.010	56	0.189	55	24	17
1099	445510	7306830	10	69	40	1	4.070	5	105	11	0.618	1	138	16	68	7.100	0.406	29	30	1.270	0.040	1	0.043	31	0.091	9	0.053	29	0.222	81	17	17
1189	445510	7308640	24	88	32	1	2.510	5	43	7	1.410	1	114	21	34	5.860	0.175	49	34	1.060	0.036	1	0.035	35	0.442	13	0.010	65	0.249	59	23	37
1221	445510	7308200	5	59	30	1	3.480	5	141	9	0.451	1	26	19	59	8.080	0.663	15	42	1.290	0.075	1	0.033	26	0.072	7	0.010	23	0.271	127	11	7
1048	445510	7307750	22	87	57	1	4.500	5	98	15	1.190	2	140	33	50	13.900	0.649	60	67	3.190	0.156	3	0.079	41	0.142	15	0.013	61	0.264	94	31	57
1007	445520	7308400	59	72	19	1	2.500	5	38	22	1.080	1	238	55	23	13.700	0.076	85	19	0.407	0.306	4	0.024	30	0.250	10	0.027	52	0.454	62	33	35
1222	445530	7308190	22	98	25	1	4.520	5	25	14	0.720	1	161	41	56	10.200	0.040	68	43	3.030	0.120	10	0.031	32	0.085	17	0.012	43	0.211	96	32	51
1049	445530	7307710	23	91	13	1	2.490	5	52	8	0.435	1	60	10	36	5.890	0.152	16	24	0.648	0.035	1	0.037	11	0.130	6	0.023	27	0.283	102	16	8
1190	445530	7308630	12	88	76	1	2.210	5	38	5	0.519	1	60	11	37	3.750	0.153	34	18	0.708	0.018	1	0.039	33	0.089	7	0.011	30	0.161	49	14	17
1191	445550	7308610	10	67	54	1	2.480	5	62	5	0.526	1	91	17	37	4.380	0.272	35	20	0.907	0.054	1	0.034	38	0.101	6	0.011	33	0.171	53	34	17
1223	445550	7308180	5	57	16	1	4.880	5	68	9	0.708	1	74	17	65	6.870	0.231	26	58	2.780	0.047	1	0.047	18	0.050	7	0.027	48	0.319	84	20	15
1008	445560	7308370	65	174	67	1	5.300	5	60	20	0.955	4	338	82	50	12.000	0.104	128	31	0.554	0.464	5	0.031	91	0.340	30	0.010	86	0.353	65	39	101
1224	445570	7308170	7	48	21	1	5.210	5	44	9	0.703	2	280	33	49	7.800	0.150	74	41	0.894	0.121	2	0.036	31	0.124	16	0.010	30	0.205	65	16	53
1192	445570	7308560	13	77	50	1	3.100	5	58	7	0.486	1	119	17	38	5.680	0.230	37	25	0.872	0.057	2	0.040	42	0.071	9	0.011	35	0.201	63	23	23
1098	445580	7306800	7	73	24	1	3.730	5	56	8	0.470	1	114	16	50	5.620	0.169	48	30	1.080	0.059	2	0.039	21	0.072	8	0.015	52	0.267	86	10	25
1050	445580	7307690	11	76	36	1	4.280	5	39	10	0.509	1	174	22	42	7.030	0.122	21	32	0.727	0.082	1	0.037	27	0.149	9	0.080	24	0.205	81	16	18
1225	445590	7308160	13	89	61	1	3.040	8	110	6	2.280	1	84	17	45	4.710	0.381	73	37	1.470	0.111	2	0.049	47	0.270	21	0.012	60	0.180	67	12	56
1193	445590	7308590	8	81	41	1	3.060	5	64	6	0.427	1	93	14	48	4.320	0.267	51	27	1.020	0.039	2	0.042	22	0.103	10	0.011	26	0.254	94	12	26
1226	445610	7308150	12	62	45	1	3.050	5	54	9	2.120	2	122	33	40	7.200	0.162	75	27	2.340	0.113	2	0.036	57	0.213	18	0.016	37	0.206	67	19	48
1009	445610	7308340	14	103	112	1	2.760	5	46	7	1.330	1	133	20	52	4.520	0.218	70	27	1.310	0.087	1	0.073	52	0.180	18	0.010	59	0.240	74	16	62
1194	445620	7308570	38	123	75	1	2.510	5	80	6	0.776	1	95	18	53	4.610	0.386	50	19	1.620	0.036	2	0.041	47	0.143	9	0.010	40	0.169	68	39	28
1227	445630	7308150	8	89	39	1	2.660	5	50	7	0.695	1	115	20	39	4.580	0.178	67	24	1.120	0.135	1	0.040	35	0.148	12	0.011	25	0.172	66	11	42
1051	445630	7307650	5	111	33	1	3.340	5	56	9	0.939	1	131	19	57	5.860	0.131	51	39	1.510	0.114	2	0.055	31	0.189	12	0.010	30	0.232	100	8	28
1097	445640	7306770	8	105	59	1	3.570	5	100	8	0.488	1	83	15	55	6.020	0.458	36	22	1.340	0.050	1	0.045	40	0.081	9	0.010	24	0.191	77	24	18
1195	445640	7308560	10	62	40	1	2.330	5	42	6	0.330	1	79	15	37	4.080	0.183	25	18	0.707	0.059	1	0.034	23	0.078	6	0.017	23	0.160	55	12	13
1228	445650	7308140	10	81	39	1	2.980	5	78	4	0.983	1	129	13	45	3.380	0.420	83	35	2.730	0.074	1	0.039	28	0.153	29	0.010	30	0.248	61	16	92
1010	445650	7308310	12	81	51	1	2.770	5	48	7	0.786	1	156	23	38	5.320	0.165	33	20	0.881	0.145	2	0.038	33	0.240	9	0.011	37	0.217	71	15	18
1196	445660	7308550	13	78	69	1	3.050	5	68	7	0.544	1	120	20	46	5.440	0.331	30	25	1.040	0.080	2	0.038	44	0.116	7	0.012	33	0.177	58	32	16
1229	445670	7308130	29	77	69	1	3.890	7	64	11	0.714	1	212	30	71	9.790	0.215	77	31	1.270	0.170	3	0.037	46	0.124	23	0.027	56	0.332	106	19	62
1230	445670	7308120	5	95	61	1	4.450	5	69	9	0.733	1	110	27	66	7.090	0.271	27	36	1.860	0.084	3	0.062	49	0.133	12	0.018	31	0.222	104	17	18
1197	445680	7308530	13	78	33	1	2.510	5	50	6	0.616	1	78	17	37	4.250	0.200	23	22	0.739	0.076	2	0.040	25	0.071	6	0.023	35	0.172	55	15	12
1052	445690	7307610	11	87	45	1	2.880	5	52	8	0.470	1	128	22	37	6.140	0.217	29	25	0.869	0.116	2	0.034	25	0.122	8	0.013	27	0.250	90	11	15

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1096	445700	7306750	5	76	1	1	2.240	5	117	4	0.072	1	51	2	1	2.480	0.942	12	18	1.510	0.029	1	0.032	2	0.010	1	0.010	22	0.118	17	126	8
1011	445700	7308280	69	53	18	1	2.340	5	40	6	0.431	1	49	11	36	4.470	0.124	17	17	0.485	0.070	1	0.033	12	0.076	6	0.017	24	0.235	76	10	9
1198	445700	7308520	9	67	50	1	2.580	5	55	7	0.511	1	86	19	40	5.150	0.254	26	21	0.863	0.079	1	0.034	35	0.127	6	0.014	27	0.159	53	18	14
1231	445710	7308110	13	107	41	1	3.520	5	69	8	1.030	1	63	19	52	5.530	0.229	17	23	0.909	0.100	1	0.057	22	0.081	8	0.063	39	0.221	78	14	13
1199	445720	7308510	11	90	77	1	3.040	5	70	7	0.567	1	124	24	43	5.620	0.309	38	24	1.140	0.124	3	0.041	47	0.123	10	0.011	39	0.195	64	28	22
891	445726	7307416	11	89	108	1	3.030	5	86	9	0.565	1	146	31	39	5.900	0.443	30	27	1.290	0.126	2	0.037	51	0.156	9	0.039	23	0.188	88	16	19
1053	445730	7307590	17	44	16	1	2.380	5	49	7	0.331	1	20	8	35	5.160	0.104	10	14	0.398	0.039	1	0.035	12	0.065	5	0.018	22	0.260	83	9	7
1232	445730	7308100	19	162	46	1	3.430	5	56	10	0.832	1	150	26	42	7.730	0.200	41	30	1.190	0.224	2	0.042	39	0.124	11	0.010	49	0.292	101	21	27
1012	445740	7308250	31	91	37	1	2.650	5	49	7	0.456	1	74	16	33	4.760	0.208	14	21	0.804	0.066	1	0.035	21	0.102	7	0.022	24	0.186	73	9	10
1233	445750	7308090	33	262	37	1	3.080	5	79	9	1.440	1	75	30	36	7.900	0.087	34	53	1.300	0.229	2	0.066	33	0.253	11	0.011	78	0.414	108	16	21
1200	445750	7308500	20	77	52	1	3.070	5	76	7	0.483	1	90	22	50	5.810	0.319	38	26	1.180	0.152	2	0.038	39	0.054	8	0.010	29	0.237	73	35	19
893	445750	7308258	19	43	18	1	1.720	5	32	10	0.289	1	17	7	30	5.720	0.128	2	13	0.450	0.030	1	0.036	12	0.119	4	0.013	18	0.188	76	7	5
1095	445760	7306730	16	46	13	1	2.250	5	49	6	0.561	1	37	7	33	4.000	0.132	24	12	0.519	0.025	4	0.034	13	0.040	5	0.014	28	0.363	104	13	12
894	445764	7308550	42	49	23	1	4.300	5	22	17	0.310	1	6	15	50	10.200	0.064	1	21	0.650	0.034	4	0.028	20	0.130	9	0.100	21	0.180	90	19	7
892	445766	7308118	12	107	38	1	3.220	5	43	12	0.483	1	52	23	33	7.440	0.161	12	33	1.070	0.106	1	0.047	23	0.108	12	0.018	18	0.293	130	8	13
890	445770	7307663	21	109	95	1	2.830	5	92	9	0.433	1	107	26	37	5.350	0.503	30	23	1.240	0.108	2	0.035	49	0.141	7	0.024	22	0.146	61	31	19
1234	445770	7308090	25	123	49	1	3.780	5	178	11	2.010	1	138	37	40	8.650	0.518	104	52	2.990	0.376	1	0.044	53	0.453	23	0.013	85	0.260	103	26	61
1201	445770	7308480	16	115	53	1	3.790	5	62	9	1.020	2	130	30	52	8.440	0.129	79	57	1.460	0.198	2	0.030	70	0.163	16	0.047	69	0.230	64	25	46
1054	445770	7307570	5	55	25	1	2.560	5	75	6	0.365	1	42	9	43	4.030	0.367	26	15	0.809	0.020	1	0.043	23	0.076	6	0.011	23	0.190	74	10	13
1013	445790	7308220	21	118	50	1	3.600	5	37	12	0.992	1	122	32	51	7.680	0.074	40	35	1.270	0.280	1	0.036	47	0.182	12	0.016	76	0.333	88	17	25
1235	445790	7308080	21	278	57	1	3.810	5	60	10	1.030	1	130	35	66	8.740	0.108	35	53	1.950	0.338	4	0.030	51	0.266	17	0.011	72	0.333	103	20	24
1202	445790	7308470	9	165	41	1	3.180	5	73	8	1.040	1	102	24	54	4.660	0.193	52	45	1.540	0.099	2	0.049	40	0.169	11	0.010	48	0.228	82	13	30
1094	445810	7306700	6	71	17	1	3.140	5	284	9	0.682	1	52	12	46	6.050	0.417	33	22	1.220	0.037	3	0.041	16	0.051	6	0.010	45	0.336	99	15	21
1236	445810	7308070	17	81	37	1	3.020	5	43	7	0.487	1	68	19	41	6.710	0.100	32	21	0.634	0.116	1	0.031	30	0.124	9	0.059	29	0.214	69	16	15
1203	445810	7308460	15	80	63	1	2.920	5	65	7	0.483	1	85	19	44	6.010	0.294	45	24	1.110	0.036	2	0.037	44	0.092	9	0.011	46	0.188	67	31	22
1055	445820	7307540	10	71	60	1	2.400	5	47	6	0.574	1	126	17	38	3.650	0.209	44	19	0.923	0.069	1	0.044	34	0.104	7	0.013	28	0.165	51	15	18
1204	445830	7308440	19	76	66	1	3.140	5	74	7	0.402	1	66	15	49	6.310	0.372	36	24	1.120	0.040	2	0.035	40	0.094	8	0.010	33	0.183	66	22	18
1237	445830	7308060	5	80	51	1	3.500	5	60	7	0.584	1	100	20	43	5.330	0.251	22	24	1.000	0.085	2	0.047	29	0.104	8	0.013	31	0.223	82	14	16
1014	445840	7308200	6	62	34	1	2.480	5	40	5	0.456	1	93	14	37	3.840	0.168	24	20	0.712	0.062	1	0.034	21	0.090	6	0.026	26	0.177	57	9	13
1056	445850	7307520	27	58	22	1	2.160	5	75	8	0.429	1	44	11	35	5.790	0.224	17	12	0.648	0.055	2	0.041	18	0.072	5	0.010	25	0.270	82	16	10
1205	445850	7308430	8	102	73	1	3.260	5	101	7	0.470	1	112	27	48	5.680	0.416	42	28	1.350	0.103	2	0.041	51	0.105	10	0.010	34	0.212	72	32	22
1093	445870	7306670	9	59	8	1	2.940	5	95	4	0.775	1	33	11	56	2.590	0.508	21	25	1.300	0.023	1	0.049	23	0.048	7	0.010	35	0.244	68	12	13
1206	445870	7308420	5	78	48	1	3.220	5	87	6	0.384	1	81	16	52	5.110	0.384	28	25	1.170	0.056	2	0.037	36	0.094	8	0.011	35	0.187	65	21	15
1015	445880	7308170	6	61	48	1	3.240	5	57	7	0.537	1	127	17	44	4.830	0.295	27	29	1.120	0.080	1	0.037	30	0.105	8	0.014	28	0.214	67	15	15
1057	445890	7307490	30	35	9	1	1.610	5	36	9	0.272	1	13	5	33	6.490	0.152	11	6	0.310	0.025	1	0.033	8	0.026	4	0.014	17	0.293	118	31	5
1207	445900	7308400	5	88	46	1	3.410	5	78	6	0.478	1	94	18	52	4.910	0.326	35	29	1.130	0.060	2	0.043	36	0.095	10	0.014	34	0.193	65	15	20
1092	445920	7306650	8	30	13	1	2.130	5	44	4	0.371	1	26	4	38	2.680	0.240	16	9	0.569	0.013	1	0.031	11	0.049	5	0.012	18	0.237	68	14	8
1208	445920	7308390	13	86	62	1	2.820	5	117	7	0.341	1	84	21	47	5.300	0.431	49	24	1.190	0.073	2	0.033	46	0.066	9	0.019	23	0.161	62	38	27
1058	445930	7307470	12	34	9	1	1.980	7	70	3	0.700	1	44	5	33	1.680	0.226	35	14	0.594	0.015	1	0.040	11	0.061	6	0.013	35	0.276	56	10	16
1016	445930	7308140	19	132	28	1	2.930	5	44	8	0.582	1	137	23	43	5.900	0.141	27	30	1.030	0.205	1	0.039	28	0.108	7	0.010	39	0.254	73	14	17
1209	445940	7308380	5	95	54	1	3.410	5	113	7	0.913	1	99	22	56	5.400	0.548	49	28	1.570	0.039	2	0.061	56	0.116	9	0.010	57	0.218	76	45	25
1017	445970	7308110	21	131	25	1	3.140	5	33	10	0.750	1	184	26	33	6.690	0.077	47	38	1.270	0.240	1	0.028	30	0.236	12	0.014	52	0.255	59	16	26
1091	445980	7306620	12	63	83	1	3.310	5	87	9	0.540	1	135	17	48	5.240	0.454	64	18	1.180	0.047	1	0.048	33	0.045	10	0.052	22	0.224	85	32	44
1059	445980	7307440	13	92	8	1	2.200	5	65	7	0.646	1	20	13	39	4.650	0.212	18	18	0.799	0.058	4	0.043	21	0.073	6	0.010	27	0.332	92	13	11
1238	446000	7307960	5	120	42	1	2.950	5	54	7	0.708	1	138	19	48	4.630	0.213	43	31	1.150	0.107	1	0.059	33	0.123	8	0.010	37	0.206	70	12	23
1060	446010	7307420	23	21	8	1	1.490	5	33	4	0.284	1	24	2	21	2.280	0.119	17	5	0.238	0.011	2	0.029	5	0.033	4	0.016	19	0.253	58	7	10
14	446014	7307000	25	221	26	1	3.491	5	60	11	0.484	1	130	23	45	6.426	0.105	86	37	1.160	0.106	4	0.036	29	0.057	8	0.010	26	0.325	123	14	46
1239	446020	7307950	12	87	20	1	2.440	5	43	6	0.454	1	65	16	38	4.420	0.143	16	22	0.692	0.076	1	0.041	20	0.089	5	0.012	30	0.211	61	10	9
1018	446020	7308080	24	115	27	1	3.570	5	46	12	0.982	1	114	24	41	9.680	0.122	56	25	0.568	0.196	2	0.036	36	0.344	11	0.022	50	0.195	61	22	30
13	446025	7307983	22	62	80	1	2.847	5	55	9	0.417	1	85	30	37	6.848	0.298	23	27	0.923	0.137	2	0.026	36	0.163	7	0.010	15	0.160	83	13	12

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1090	446040	7306600	35	22	3	1	1.200	7	32	3	0.203	1	54	3	10	1.510	0.401	15	8	0.418	0.014	1	0.028	2	0.019	3	0.017	16	0.324	85	52	8
1061	446040	7307400	15	30	21	1	2.380	5	41	5	0.345	1	74	6	28	3.240	0.175	47	11	0.423	0.015	1	0.037	11	0.044	6	0.012	19	0.241	67	13	18
1240	446050	7307930	13	140	38	1	3.030	5	49	7	0.571	1	153	21	45	5.720	0.159	46	24	0.897	0.137	1	0.041	34	0.128	11	0.012	39	0.247	77	13	33
1241	446070	7307920	16	67	10	1	2.070	5	56	5	0.534	1	44	11	32	4.190	0.162	16	15	0.493	0.077	1	0.038	13	0.057	5	0.014	38	0.241	65	12	10
1019	446070	7308050	8	51	3	1	2.650	5	100	4	0.687	1	22	10	43	2.840	0.645	13	13	1.270	0.019	1	0.035	23	0.015	5	0.010	36	0.350	109	28	8
1062	446080	7307380	15	168	24	1	4.530	5	137	11	0.575	2	1100	29	29	8.710	0.410	111	37	0.798	0.170	2	0.036	20	0.153	13	0.067	20	0.350	121	19	75
1089	446080	7306580	31	137	47	1	5.600	5	122	16	0.847	1	113	28	73	9.200	0.428	81	75	2.860	0.110	4	0.053	57	0.080	17	0.013	65	0.309	109	19	56
1242	446090	7307900	5	75	76	1	2.590	5	98	6	1.090	1	158	31	65	4.550	0.442	43	17	1.280	0.060	1	0.078	76	0.159	9	0.010	50	0.250	81	22	22
1243	446110	7307890	14	29	14	1	2.310	5	43	7	0.356	1	30	4	39	3.870	0.156	16	9	0.368	0.015	1	0.028	9	0.036	5	0.019	24	0.243	67	15	10
1020	446110	7308030	5	47	15	1	2.400	5	39	6	0.458	1	66	13	37	3.740	0.155	23	16	0.789	0.036	1	0.040	22	0.033	6	0.012	31	0.181	52	15	14
1063	446120	7307360	15	62	48	1	3.220	5	49	9	0.437	1	138	10	39	5.960	0.217	48	20	0.718	0.016	4	0.043	27	0.056	7	0.012	22	0.211	65	16	27
1088	446130	7306560	10	43	19	1	2.450	5	76	5	0.324	1	35	9	46	3.190	0.461	24	13	1.230	0.019	1	0.047	25	0.023	6	0.010	20	0.276	95	15	9
1244	446140	7307880	23	58	50	1	3.170	5	58	9	0.457	1	103	13	50	7.890	0.246	31	15	0.717	0.038	3	0.039	27	0.080	7	0.016	28	0.227	71	18	15
1064	446160	7307330	39	40	7	1	1.610	5	50	11	0.357	1	34	12	35	7.950	0.273	14	11	0.678	0.050	1	0.039	13	0.041	5	0.012	20	0.312	131	21	8
1245	446160	7307860	9	134	43	1	3.540	5	118	8	0.952	1	141	21	54	5.630	0.274	41	42	1.400	0.071	3	0.053	37	0.090	8	0.010	39	0.273	82	12	25
1021	446160	7308000	15	50	24	1	2.490	5	44	7	0.543	1	122	16	41	4.400	0.135	28	17	0.620	0.056	4	0.038	23	0.032	7	0.010	34	0.297	95	16	18
1246	446180	7307850	17	64	29	1	3.390	5	54	11	0.494	1	53	16	46	11.200	0.164	12	14	0.712	0.063	4	0.029	22	0.046	7	0.013	39	0.323	121	22	15
1290	446190	7308200	46	226	65	1	4.090	5	49	17	1.410	1	280	51	34	11.300	0.103	167	44	0.947	0.304	2	0.141	88	0.433	32	0.033	138	0.146	45	27	116
1022	446200	7307970	18	32	25	1	2.770	5	38	7	0.315	1	43	5	42	4.770	0.134	26	9	0.375	0.013	3	0.027	15	0.029	6	0.022	23	0.224	96	14	13
1065	446200	7307310	14	52	35	1	2.670	5	50	8	0.524	1	86	7	43	4.430	0.280	57	12	0.785	0.027	1	0.051	18	0.100	7	0.012	24	0.171	54	16	20
1247	446210	7307840	5	78	45	1	3.530	5	67	7	0.571	1	209	31	74	5.830	0.311	39	23	1.080	0.068	3	0.049	46	0.120	9	0.010	24	0.250	103	11	25
1289	446210	7308190	9	57	20	1	2.220	5	41	5	0.548	1	45	8	34	3.840	0.149	22	18	0.681	0.025	2	0.044	18	0.094	5	0.013	36	0.211	60	11	12
1087	446230	7306560	7	40	100	1	2.090	5	49	5	0.588	1	62	11	32	3.470	0.261	30	11	0.746	0.057	1	0.045	22	0.130	6	0.010	26	0.142	54	23	17
1248	446230	7307820	19	37	16	1	2.870	5	56	9	0.282	1	12	6	39	9.310	0.183	8	9	0.471	0.030	1	0.030	12	0.026	6	0.012	24	0.268	99	24	7
1288	446230	7308180	33	246	43	1	3.820	5	61	13	1.040	1	330	36	42	9.700	0.208	43	28	0.861	0.394	2	0.047	48	0.497	8	0.021	64	0.302	65	21	16
1249	446250	7307810	16	53	43	1	2.790	5	61	4	0.525	1	85	7	43	2.880	0.302	30	16	0.767	0.021	2	0.047	22	0.058	7	0.011	33	0.237	70	18	16
1287	446250	7308170	17	130	59	1	3.660	5	38	9	1.180	1	158	31	43	7.470	0.085	47	27	1.070	0.376	2	0.037	41	0.366	14	0.017	56	0.226	70	17	37
1066	446250	7307290	20	25	13	1	1.740	5	41	4	0.337	1	48	3	30	2.360	0.149	21	7	0.359	0.013	1	0.037	9	0.027	4	0.016	18	0.275	56	13	9
1023	446250	7307940	11	41	30	1	3.820	5	34	11	0.320	1	54	8	55	8.990	0.142	24	11	0.503	0.020	4	0.032	19	0.039	10	0.081	25	0.252	96	22	20
1286	446260	7308160	18	100	43	1	2.940	5	42	9	0.594	1	106	25	40	7.340	0.146	29	21	0.720	0.137	3	0.037	33	0.123	8	0.046	42	0.229	77	21	17
1250	446280	7307790	25	102	41	1	2.890	5	121	7	1.030	1	164	25	47	5.960	0.394	46	47	1.250	0.099	2	0.055	42	0.107	8	0.010	44	0.224	77	15	24
1086	446280	7306540	16	76	78	1	3.740	5	80	7	0.457	1	99	18	61	5.440	0.387	38	25	1.610	0.044	1	0.053	44	0.065	9	0.024	24	0.211	84	31	20
1285	446280	7308140	5	44	17	1	2.480	5	37	4	0.431	1	37	6	38	2.870	0.144	21	16	0.640	0.014	1	0.036	15	0.049	5	0.012	28	0.243	56	16	10
1067	446290	7307260	18	124	16	1	3.270	5	82	6	1.010	1	157	13	63	4.190	0.591	156	54	1.710	0.035	2	0.060	38	0.150	8	0.010	43	0.263	70	13	56
1284	446300	7308130	10	88	64	1	3.430	5	69	7	0.660	1	85	14	57	5.740	0.337	39	24	1.250	0.041	2	0.050	36	0.078	9	0.021	38	0.238	72	28	21
1251	446300	7307780	27	42	19	1	1.490	5	46	9	0.378	1	27	6	31	5.550	0.130	14	5	0.302	0.018	4	0.029	15	0.036	4	0.015	20	0.281	130	17	8
1024	446300	7307910	19	26	13	1	2.680	5	33	9	0.243	1	30	6	32	7.340	0.149	15	8	0.349	0.016	1	0.032	12	0.040	5	0.012	17	0.226	67	18	9
1252	446320	7307770	19	58	33	1	2.600	5	49	10	0.375	1	73	10	38	6.570	0.180	23	9	0.439	0.033	8	0.033	18	0.066	6	0.013	22	0.227	95	17	16
1283	446320	7308120	5	69	50	1	4.090	5	63	6	0.672	1	168	17	50	4.520	0.194	86	37	0.790	0.031	2	0.044	52	0.052	11	0.010	37	0.162	54	15	48
1068	446340	7307230	22	64	63	1	2.710	5	45	7	0.499	1	113	14	51	4.260	0.259	32	16	0.974	0.050	1	0.043	33	0.088	7	0.034	25	0.180	58	18	18
1025	446340	7307880	12	13	6	1	0.567	5	21	1	0.148	1	18	1	18	0.264	0.079	9	1	0.085	0.006	1	0.037	2	0.021	2	0.047	8	0.127	15	8	3
1085	446340	7306520	8	62	62	1	3.380	5	67	8	0.371	1	104	14	61	5.170	0.362	34	20	1.180	0.045	1	0.048	35	0.057	8	0.022	20	0.178	67	23	15
1253	446340	7307750	5	177	31	1	3.810	5	86	10	0.728	2	89	28	43	11.000	0.115	28	31	0.831	0.105	9	0.031	27	0.099	7	0.012	37	0.321	102	11	25
1282	446340	7308110	9	30	23	1	2.720	6	45	7	0.291	1	101	8	43	6.640	0.137	32	11	0.358	0.017	2	0.034	15	0.035	5	0.038	21	0.217	76	17	15
1281	446360	7308100	5	77	13	1	5.020	5	214	11	0.976	2	156	23	60	8.410	0.331	53	34	2.130	0.222	1	0.061	29	0.027	9	0.010	100	0.273	81	25	25
1254	446370	7307740	15	34	13	1	1.540	5	38	6	0.204	1	36	4	19	5.450	0.186	15	6	0.309	0.012	2	0.030	6	0.037	3	0.013	17	0.231	89	27	8
1280	446380	7308090	15	32	10	1	2.110	5	40	6	0.364	1	39	5	32	4.640	0.145	21	9	0.383	0.019	2	0.031	9	0.031	5	0.017	27	0.240	70	17	11
1069	446380	7307200	10	41	24	1	1.960	5	31	6	0.394	1	48	7	44	3.510	0.158	24	12	0.692	0.020	1	0.044	20	0.046	5	0.012	18	0.198	59	11	11
1279	446390	7308080	9	50	36	1	2.970	5	50	9	0.462	1	81	8	43	6.230	0.203	27	12	0.625	0.026	1	0.039	22	0.078	6	0.010	27	0.180	70	16	15
1255	446390	7307730	8	21	12	1	1.940	5	41	4	0.234	1	28	4	25	2.650	0.391	16	10	0.696	0.004	1	0.030	6	0.024	4	0.010	13	0.294	58	23	6

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1026	446390	7307860	19	16	3	1	0.946	5	44	2	0.262	1	25	1	25	1.270	0.159	15	4	0.192	0.007	1	0.022	5	0.017	3	0.013	21	0.334	69	13	5
1070	446410	7307180	21	11	4	1	0.836	5	33	2	0.274	1	24	2	29	0.883	0.145	12	4	0.178	0.009	1	0.034	4	0.009	3	0.017	16	0.316	79	21	5
1278	446410	7308070	14	77	35	1	2.920	5	104	7	0.631	1	59	10	44	5.750	0.340	33	15	0.894	0.045	2	0.036	20	0.067	7	0.010	36	0.215	66	21	17
1256	446410	7307710	13	17	7	1	1.220	5	25	3	0.225	1	31	3	19	2.110	0.119	17	6	0.194	0.010	1	0.026	4	0.017	3	0.017	18	0.212	59	14	5
1277	446430	7308050	16	49	14	1	2.230	5	34	7	0.400	1	47	11	49	5.740	0.132	15	13	0.533	0.043	2	0.033	15	0.027	6	0.012	26	0.309	84	22	10
1257	446440	7307700	7	6	2	1	0.395	5	20	1	0.115	1	28	1	7	0.299	0.099	12	2	0.072	0.004	1	0.020	4	0.008	1	0.021	8	0.112	21	17	3
1027	446440	7307830	55	79	36	1	3.940	5	50	10	0.450	1	268	14	75	7.060	0.297	109	15	0.693	0.038	4	0.041	28	0.105	9	0.058	21	0.196	60	19	61
1071	446450	7307160	35	30	15	1	2.560	5	37	12	0.313	1	10	7	51	12.100	0.155	1	9	0.531	0.026	2	0.037	14	0.031	5	0.015	16	0.381	135	24	6
1276	446450	7308040	17	25	7	1	1.350	5	38	2	0.380	1	30	3	24	1.570	0.124	15	7	0.306	0.010	1	0.030	8	0.020	4	0.017	29	0.337	63	19	8
1258	446460	7307680	11	62	66	1	3.200	5	53	8	0.405	1	96	12	46	6.770	0.321	36	17	0.843	0.029	3	0.041	33	0.055	8	0.029	24	0.250	76	24	26
1275	446470	7308030	11	51	46	1	1.990	5	47	5	0.581	1	92	11	34	3.450	0.197	35	12	0.609	0.045	2	0.040	23	0.094	6	0.012	36	0.189	54	14	19
1028	446480	7307800	114	65	50	1	3.660	5	38	12	0.317	1	220	11	48	9.910	0.197	56	12	0.559	0.032	3	0.036	21	0.058	8	0.016	20	0.213	61	25	31
1259	446480	7307670	27	12	4	1	0.946	5	45	1	0.258	1	26	2	19	1.000	0.185	13	4	0.174	0.007	1	0.026	4	0.007	3	0.018	18	0.275	51	20	5
1274	446490	7308020	28	61	16	1	2.420	5	38	6	0.510	1	34	6	36	4.860	0.100	17	13	0.563	0.022	8	0.034	12	0.054	4	0.015	42	0.279	98	10	10
1072	446500	7307130	20	43	13	1	2.210	5	43	7	0.623	1	32	15	82	4.570	0.194	20	14	0.634	0.057	2	0.054	23	0.037	8	0.012	28	0.425	110	16	13
1273	446500	7308010	9	112	32	1	3.110	5	52	8	0.559	1	166	10	44	6.660	0.139	26	19	0.652	0.035	17	0.038	21	0.091	6	0.012	46	0.208	147	10	15
1260	446500	7307660	61	13	4	1	0.549	5	18	1	0.111	1	45	1	11	0.300	0.080	23	2	0.042	0.004	1	0.022	2	0.006	1	0.020	9	0.236	25	27	4
1272	446520	7308000	13	51	9	1	2.140	5	28	6	0.794	1	27	8	33	4.930	0.063	19	17	0.601	0.033	1	0.030	10	0.054	5	0.015	58	0.362	85	12	9
1261	446530	7307640	467	21	232	1	1.850	5	18	2	0.280	1	112	2	23	1.460	0.090	38	8	0.112	0.006	1	0.024	3	0.019	5	0.077	17	0.187	57	13	9
1029	446530	7307770	11	47	16	1	2.110	5	62	6	0.617	1	39	8	34	3.460	0.215	24	31	0.837	0.021	1	0.038	15	0.082	4	0.010	35	0.250	59	13	14
1073	446540	7307110	23	54	53	1	2.690	5	59	7	0.598	1	286	18	48	4.940	0.286	46	18	1.090	0.055	1	0.047	32	0.085	7	0.010	24	0.174	61	14	24
1271	446540	7307990	29	11	3	1	0.609	5	28	1	0.168	1	37	1	9	0.393	0.104	17	2	0.058	0.004	1	0.025	2	0.007	2	0.024	16	0.260	37	37	4
1262	446550	7307630	12	45	29	1	2.010	5	38	4	0.508	1	80	13	27	2.750	0.212	34	10	0.551	0.043	1	0.040	16	0.103	5	0.032	27	0.124	37	15	15
1270	446560	7307980	16	13	8	1	0.966	5	28	2	0.090	1	14	4	15	1.360	0.237	8	5	0.391	0.004	1	0.025	10	0.012	2	0.010	7	0.188	57	25	4
1030	446570	7307750	17	35	13	1	2.080	5	41	7	0.389	1	26	9	46	5.090	0.154	11	14	0.472	0.043	1	0.035	17	0.031	5	0.011	22	0.263	72	13	8
1269	446580	7307970	29	7	2	1	0.551	5	44	1	0.206	1	21	1	18	0.445	0.172	11	2	0.073	0.006	1	0.025	4	0.013	2	0.022	19	0.286	33	17	4
1074	446580	7307080	25	21	5	1	1.200	5	29	3	0.347	1	22	6	21	1.570	0.149	14	8	0.314	0.017	5	0.032	6	0.033	4	0.015	16	0.236	59	7	10
1268	446600	7307960	18	18	5	1	1.750	5	31	2	0.240	1	28	1	25	1.100	0.129	14	8	0.213	0.007	1	0.027	3	0.026	4	0.019	19	0.190	42	11	6
1031	446620	7307720	5	63	27	1	2.480	5	28	4	0.656	1	29	14	252	2.750	0.098	20	20	1.380	0.026	1	0.063	94	0.072	7	0.010	17	0.293	75	5	14
1267	446620	7307940	25	8	2	1	0.539	5	35	1	0.153	1	17	1	23	0.759	0.139	10	2	0.104	0.006	1	0.024	4	0.007	2	0.015	13	0.238	65	22	3
1075	446620	7307060	5	70	46	1	4.360	5	116	8	0.796	1	90	21	81	5.560	0.502	61	36	1.510	0.077	2	0.072	54	0.054	10	0.012	25	0.299	100	13	38
1266	446630	7307930	30	34	5	1	1.660	5	79	5	0.465	1	25	5	32	3.870	0.186	11	9	0.684	0.024	1	0.026	7	0.015	3	0.011	28	0.698	165	20	5
1265	446650	7307920	10	39	17	1	2.460	5	44	5	0.352	1	62	5	31	3.650	0.151	34	12	0.470	0.015	1	0.034	11	0.037	5	0.015	23	0.232	53	11	17
1076	446660	7307040	14	35	13	1	2.040	5	40	5	0.429	1	32	7	38	3.010	0.241	21	10	0.660	0.015	2	0.049	15	0.040	6	0.011	19	0.268	70	11	10
1032	446660	7307690	13	38	24	1	3.120	5	85	9	0.677	1	26	9	68	6.860	0.402	18	14	0.910	0.045	1	0.060	30	0.056	8	0.011	25	0.305	95	19	13
1264	446670	7307910	52	35	5	1	1.550	5	57	4	0.447	1	49	3	20	2.250	0.218	28	11	0.422	0.016	1	0.034	6	0.014	4	0.010	38	0.340	59	41	13
1263	446690	7307900	27	13	4	1	0.678	5	30	1	0.183	1	32	2	9	0.823	0.122	16	3	0.078	0.009	1	0.023	3	0.009	2	0.019	18	0.239	66	32	4
1077	446700	7307010	26	31	6	1	1.040	5	29	4	0.262	1	22	2	21	2.770	0.123	11	4	0.210	0.011	1	0.035	5	0.010	3	0.018	14	0.271	83	20	5
1033	446710	7307660	19	42	10	1	1.720	7	50	5	0.408	1	31	7	35	3.160	0.199	22	12	0.528	0.020	1	0.039	14	0.060	5	0.013	22	0.248	73	7	11
1078	446750	7306980	18	22	3	1	0.833	5	35	1	0.197	1	23	2	18	0.715	0.174	14	3	0.182	0.009	1	0.035	3	0.015	3	0.015	12	0.218	49	13	5
1034	446760	7307630	11	44	15	1	2.150	5	48	5	0.369	1	37	6	25	3.370	0.217	23	14	0.393	0.027	1	0.027	12	0.026	5	0.013	21	0.251	49	22	14
1079	446800	7306950	12	37	14	1	1.890	5	35	4	0.491	1	23	7	40	2.320	0.201	15	7	0.751	0.019	1	0.054	15	0.045	6	0.010	24	0.265	75	9	8
1035	446810	7307610	27	62	70	1	3.620	5	48	9	0.405	1	335	22	47	5.680	0.291	67	16	0.818	0.062	1	0.046	29	0.097	8	0.070	19	0.188	72	12	29
1080	446840	7306920	7	35	28	1	1.800	5	35	4	0.583	1	33	7	32	3.000	0.221	21	8	0.766	0.025	1	0.043	17	0.117	5	0.010	23	0.144	47	12	11
1036	446850	7307580	24	49	16	1	1.950	5	40	5	0.268	1	47	10	31	2.630	0.177	19	11	0.545	0.017	2	0.034	14	0.043	4	0.016	20	0.211	76	7	8
1081	446890	7306900	26	56	82	1	2.060	5	39	7	0.571	1	121	17	40	4.320	0.226	28	7	0.697	0.066	1	0.043	23	0.136	7	0.014	25	0.162	58	12	17
1037	446900	7307550	38	10	2	1	0.760	6	32	1	0.145	1	21	1	14	0.588	0.150	12	2	0.120	0.009	1	0.026	2	0.010	2	0.016	12	0.273	63	18	4
1082	446920	7306870	16	71	51	1	3.260	5	40	7	0.507	1	117	18	59	5.510	0.222	27	13	1.260	0.060	1	0.074	29	0.070	9	0.010	18	0.233	88	8	17
362	446940	7307708	12	25	28	1	3.531	5	24	10	0.141	1	45	7	44	5.300	0.117	14	7	0.391	0.016	1	0.025	13	0.045	6	0.077	7	0.168	80	9	12
1038	446950	7307520	22	40	30	1	3.330	5	51	9	0.397	1	116	14	36	5.870	0.286	26	10	0.564	0.041	1	0.059	19	0.035	8	0.026	22	0.301	104	33	20

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1083	446960	7306840	13	52	66	1	2.860	5	67	7	0.616	1	92	19	52	4.370	0.441	33	11	1.350	0.067	1	0.068	30	0.123	9	0.010	21	0.222	78	9	16
363	446983	7307025	16	40	11	1	2.199	5	84	7	0.046	1	44	13	40	3.527	0.681	10	3	1.918	0.007	2	0.041	31	0.007	6	0.010	2	0.209	117	14	2
1039	446990	7307500	23	43	28	1	2.780	5	53	6	0.503	1	84	9	37	4.370	0.214	33	10	0.747	0.021	3	0.049	19	0.055	6	0.010	25	0.228	74	8	14
1084	447010	7306820	16	33	59	1	2.860	5	45	10	0.310	1	74	8	57	9.160	0.243	28	6	0.733	0.023	3	0.047	18	0.049	7	0.013	12	0.291	99	12	10
1040	447030	7307470	19	57	14	1	1.910	6	40	3	0.432	1	49	7	34	1.970	0.154	27	12	0.624	0.014	3	0.043	13	0.075	5	0.012	22	0.219	49	5	10
1041	447070	7307440	10	24	27	1	2.900	5	35	8	0.201	1	65	4	41	4.580	0.145	25	6	0.346	0.013	2	0.033	9	0.059	6	0.019	12	0.182	69	7	12
1042	447120	7307410	13	19	19	1	1.850	5	47	4	0.356	1	44	6	30	2.550	0.263	23	5	0.644	0.014	2	0.053	11	0.034	6	0.012	21	0.279	76	11	9
1043	447160	7307380	24	33	40	1	2.890	5	56	11	0.336	1	58	10	50	9.520	0.313	22	8	0.820	0.031	2	0.047	21	0.055	7	0.011	17	0.225	91	20	10
1044	447210	7307350	9	39	24	1	2.100	5	48	5	0.549	1	57	9	37	3.270	0.301	32	9	0.864	0.024	1	0.049	20	0.101	6	0.010	26	0.163	56	18	14
1045	447250	7307320	23	38	28	1	1.700	5	49	3	0.338	1	63	7	34	2.120	0.285	32	8	0.791	0.016	1	0.036	15	0.034	6	0.010	21	0.205	47	11	11
1046	447300	7307290	5	30	6	1	2.060	5	50	4	0.058	1	64	8	29	3.060	0.455	24	4	1.790	0.011	1	0.054	22	0.017	5	0.011	3	0.171	96	34	6
1047	447350	7307270	21	12	6	1	0.646	5	28	1	0.078	1	36	1	24	0.277	0.114	18	1	0.094	0.006	1	0.029	3	0.028	3	0.020	7	0.165	28	8	7
366	447946	7307508	104	34	9	1	1.133	5	25	5	0.220	1	21	2	37	2.660	0.121	13	4	0.325	0.010	2	0.023	6	0.045	4	0.016	9	0.310	73	7	9
365	448037	7307089	16	45	41	1	2.852	5	35	8	0.336	1	64	14	52	4.579	0.146	16	14	0.623	0.046	1	0.025	26	0.100	6	0.022	16	0.138	53	12	10
Artfjell																																
851	477658	7313025	6	20	6	1	1.170	5	21	7	0.184	1	15	3	33	2.490	0.071	7	4	0.276	0.007	1	0.035	6	0.034	2	0.012	15	0.302	57	5	4
625	477719	7315033	15	79	35	1	2.239	5	35	8	0.333	1	83	26	49	4.204	0.116	31	19	0.853	0.093	3	0.027	27	0.121	7	0.011	16	0.171	79	5	19
438	477802	7314263	8	71	37	1	2.192	5	53	6	0.499	1	64	14	46	3.401	0.186	37	21	0.960	0.024	1	0.033	31	0.095	7	0.010	24	0.172	62	5	21
426	477907	7312899	6	16	6	1	1.014	5	23	2	0.203	1	23	2	22	1.131	0.075	11	5	0.249	0.006	1	0.021	4	0.022	3	0.012	17	0.209	47	5	5
429	478002	7312028	23	87	32	1	2.533	5	65	11	0.325	1	101	16	36	5.948	0.253	28	28	1.075	0.039	3	0.029	29	0.067	4	0.010	17	0.198	72	7	18
852	478102	7313024	17	294	17	1	1.610	5	25	8	0.419	1	103	15	41	3.610	0.056	50	11	0.502	0.048	1	0.030	22	0.141	8	0.010	17	0.100	47	4	46
811	478104	7312613	19	66	32	1	2.000	5	41	4	0.860	1	22	18	82	2.500	0.200	26	25	1.100	0.333	1	0.024	79	0.100	5	0.010	21	0.190	47	3	13
1498	478500	7314250	5	60	47	1	3.450	5	86	6	1.190	1	134	22	84	4.950	0.366	71	31	1.590	0.042	3	0.076	62	0.141	14	0.011	57	0.337	101	20	41
1499	478500	7314200	5	46	29	1	2.210	5	47	5	0.461	1	70	9	43	3.650	0.215	50	11	0.762	0.020	3	0.044	25	0.069	6	0.010	31	0.223	59	7	21
1500	478500	7314150	14	67	47	1	2.780	5	64	7	0.595	1	121	11	50	4.000	0.273	70	15	0.962	0.025	2	0.054	33	0.100	7	0.010	37	0.214	70	8	28
1501	478500	7314100	5	41	27	1	1.960	5	40	4	0.634	1	63	7	38	2.820	0.190	34	9	0.658	0.021	2	0.046	22	0.110	6	0.011	35	0.171	51	7	16
1502	478500	7314050	5	69	68	1	2.960	5	69	6	0.796	1	163	16	51	4.370	0.329	45	17	1.120	0.037	1	0.059	43	0.105	9	0.013	47	0.237	74	16	24
1503	478500	7314000	5	46	23	1	2.380	5	48	6	0.518	1	56	8	46	4.270	0.195	25	11	0.752	0.021	2	0.049	18	0.063	6	0.010	35	0.235	69	9	13
1504	478500	7313950	5	79	76	1	2.860	5	79	8	0.814	1	117	18	57	4.460	0.387	45	18	1.220	0.040	2	0.065	44	0.123	9	0.010	46	0.241	77	15	23
1505	478500	7313900	5	51	29	1	2.410	5	52	5	0.539	1	53	9	49	3.540	0.308	32	15	1.000	0.018	3	0.049	24	0.087	6	0.010	29	0.214	70	8	12
1506	478500	7313850	5	106	118	1	3.500	5	146	7	0.793	1	139	37	65	5.850	0.657	45	26	1.490	0.056	2	0.073	99	0.120	10	0.010	49	0.251	88	27	23
1507	478500	7313800	9	46	28	1	2.720	5	52	7	0.498	1	64	10	49	4.920	0.223	32	11	0.680	0.025	2	0.047	23	0.092	6	0.014	32	0.266	82	9	13
1508	478500	7313750	5	65	79	1	2.810	5	51	6	0.586	1	76	27	232	5.130	0.314	41	19	1.080	0.047	2	0.044	122	0.103	8	0.010	30	0.322	93	11	16
1509	478500	7313700	5	57	27	1	2.080	5	55	6	0.501	1	59	11	44	4.590	0.290	25	11	0.877	0.027	2	0.045	31	0.079	5	0.010	32	0.230	74	10	12
1510	478500	7313650	5	65	41	1	2.330	5	51	5	0.441	1	82	10	47	4.260	0.243	41	13	0.883	0.023	2	0.044	32	0.079	6	0.010	28	0.195	61	8	18
1511	478500	7313600	5	66	32	1	2.800	5	71	6	0.443	1	143	14	53	4.790	0.415	39	17	1.120	0.028	2	0.045	32	0.092	6	0.010	26	0.231	74	11	16
1512	478500	7313550	5	69	22	1	2.810	5	57	6	0.563	1	95	12	52	3.900	0.199	50	20	0.832	0.024	4	0.044	23	0.111	8	0.012	35	0.246	71	7	27
1513	478500	7313500	5	122	23	1	2.850	5	64	6	0.722	1	78	14	59	3.960	0.201	71	30	1.070	0.026	3	0.046	34	0.140	10	0.010	35	0.196	70	6	38
1514	478500	7313450	5	65	18	1	2.290	9	51	7	0.609	1	89	11	47	4.170	0.211	31	17	0.870	0.025	3	0.048	27	0.092	7	0.011	33	0.220	67	8	21
1515	478500	7313400	5	46	13	1	2.180	5	44	4	0.647	1	49	10	44	2.830	0.228	29	14	0.898	0.018	3	0.046	20	0.098	6	0.011	34	0.210	64	11	14
1516	478500	7313350	5	53	15	1	2.360	5	43	6	0.567	1	35	9	50	4.160	0.115	35	16	0.754	0.026	3	0.038	18	0.087	9	0.012	31	0.261	78	7	19
1517	478500	7313300	6	55	29	1	2.440	5	38	6	0.567	1	39	10	64	5.960	0.139	21	14	0.792	0.025	3	0.045	22	0.079	7	0.010	31	0.308	97	9	12
1518	478500	7313250	5	47	23	1	2.080	5	41	5	0.790	1	51	8	45	3.420	0.217	26	11	0.811	0.025	1	0.053	26	0.113	7	0.010	38	0.212	60	13	15
1519	478500	7313200	5	105	34	1	3.570	5	79	12	0.643	1	42	27	105	9.300	0.293	47	27	1.600	0.025	3	0.048	62	0.084	7	0.010	22	0.495	149	13	16
1520	478500	7313150	5	70	24	1	2.730	5	59	7	0.634	1	53	11	57	5.780	0.315	43	24	1.260	0.018	5	0.045	27	0.113	6	0.010	28	0.245	94	17	12
1521	478500	7313100	6	20	11	1	1.610	5	27	3	0.333	1	32	4	68	1.790	0.092	18	5	0.389	0.012	1	0.032	13	0.043	4	0.012	25	0.328	59	8	8
1522	478500	7313050	6	35	23	1	1.680	5	27	5	0.786	1	51	8	49	3.190	0.106	21	8	0.582	0.016	2	0.061	16	0.076	5	0.012	26	0.556	76	8	13
1523	478500	7313000	5	63	39	1	2.390	5	78	5	0.967	1	85	13	49	2.950	0.404	45	20	1.130	0.026	2	0.068	42	0.154	8	0.010	42	0.254	65	20	22

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1524	478500	7312950	5	49	27	1	2.110	5	51	5	0.468	1	92	11	34	3.040	0.204	27	11	0.551	0.027	2	0.042	24	0.078	5	0.016	27	0.173	55	6	12
1525	478500	7312900	5	49	11	1	1.890	5	29	5	0.415	1	59	7	39	2.980	0.122	14	10	0.555	0.018	1	0.034	15	0.060	6	0.013	25	0.178	58	6	11
1526	478500	7312850	5	43	23	1	2.370	5	24	5	0.539	1	93	11	43	4.090	0.100	18	10	0.596	0.037	2	0.043	22	0.089	7	0.011	30	0.172	51	8	15
1527	478500	7312800	5	56	31	1	2.210	5	38	5	0.767	1	69	13	46	3.450	0.212	27	13	0.797	0.034	1	0.050	30	0.137	6	0.012	35	0.218	60	9	15
1528	478500	7312750	5	79	50	1	2.470	5	47	5	0.543	1	126	18	48	4.200	0.228	35	23	1.090	0.046	2	0.041	38	0.079	8	0.010	29	0.203	72	10	22
1529	478500	7312700	5	67	32	1	2.740	5	55	6	0.599	1	100	14	39	4.090	0.248	13	21	0.887	0.023	2	0.043	40	0.099	5	0.010	26	0.146	55	9	11
1530	478500	7312650	5	64	45	1	2.190	5	45	4	0.757	1	92	17	35	3.230	0.243	36	15	0.789	0.039	1	0.047	33	0.166	6	0.011	35	0.140	49	10	18
1531	478500	7312600	5	57	41	1	2.420	5	39	5	0.583	1	82	12	39	4.110	0.236	32	11	0.766	0.028	2	0.042	28	0.125	6	0.010	29	0.147	49	8	13
1532	478500	7312550	5	46	17	1	2.400	5	33	6	0.289	1	41	7	39	4.950	0.181	25	10	0.609	0.015	2	0.029	15	0.047	5	0.012	23	0.212	72	14	9
1533	478500	7312500	5	61	41	1	2.540	5	49	6	0.700	1	92	12	41	3.990	0.283	38	16	0.993	0.028	1	0.049	31	0.118	7	0.010	42	0.183	57	11	19
1534	478500	7312450	6	66	31	1	2.420	5	57	7	0.443	1	114	14	44	4.840	0.397	20	18	0.979	0.045	1	0.042	29	0.093	6	0.010	25	0.189	70	9	11
1535	478500	7312400	5	104	33	1	3.800	5	55	10	0.379	2	32	21	60	9.510	0.626	30	32	1.990	0.024	1	0.031	44	0.082	8	0.010	16	0.208	98	25	14
1536	478500	7312350	5	138	87	1	4.340	5	121	9	0.810	1	289	44	64	8.940	1.140	53	33	2.350	0.183	3	0.057	64	0.142	14	0.010	34	0.278	106	40	38
1537	478500	7312300	13	56	22	1	2.370	5	62	6	0.466	1	61	9	38	4.450	0.334	33	11	0.640	0.031	1	0.048	17	0.063	7	0.011	27	0.188	65	16	16
1538	478500	7312250	5	88	46	1	3.970	5	63	6	0.458	1	249	15	44	4.300	0.357	73	20	0.896	0.033	1	0.040	33	0.076	9	0.033	22	0.150	55	17	35
1539	478500	7312200	9	96	29	1	2.720	5	54	6	0.403	1	244	14	52	5.370	0.279	42	24	1.160	0.026	2	0.040	35	0.059	7	0.011	25	0.217	67	14	21
1540	478500	7312150	10	66	10	1	2.610	5	86	6	0.302	1	26	8	23	5.130	0.620	20	18	1.170	0.017	3	0.030	17	0.026	4	0.010	15	0.376	69	25	10
1541	478500	7312100	8	65	23	1	2.470	5	79	7	0.397	1	105	11	31	4.770	0.460	30	18	1.050	0.022	1	0.036	24	0.062	5	0.010	28	0.218	47	15	16
1542	478500	7312050	5	53	39	1	1.940	5	50	4	0.622	1	182	13	31	2.830	0.209	54	10	0.673	0.024	1	0.040	32	0.103	6	0.016	47	0.146	42	10	19
1543	478500	7312000	5	70	44	1	2.540	5	77	4	0.408	1	160	9	39	2.430	0.353	95	18	0.979	0.017	1	0.039	24	0.072	6	0.011	38	0.172	51	11	30
1544	478500	7311950	6	50	31	1	2.590	5	47	7	0.386	1	87	7	35	3.880	0.269	36	11	0.742	0.021	1	0.036	16	0.064	6	0.010	32	0.199	53	10	19
1545	478500	7311900	6	41	9	1	2.280	5	70	4	0.494	1	28	6	27	3.270	0.270	13	7	0.649	0.020	1	0.030	12	0.029	5	0.010	56	0.264	54	16	9
1546	478500	7311850	5	36	25	1	1.940	5	38	6	0.481	1	53	14	77	4.080	0.132	17	10	0.707	0.060	1	0.047	31	0.077	5	0.011	24	0.261	76	7	9
1547	478500	7311800	5	92	24	1	3.530	5	47	8	0.483	1	121	17	85	6.820	0.187	39	27	1.380	0.039	4	0.034	43	0.105	8	0.012	31	0.244	100	9	17
853	478522	7313016	7	50	17	1	1.980	5	41	6	0.417	1	59	9	47	3.210	0.145	34	16	0.758	0.016	2	0.039	25	0.110	5	0.010	19	0.190	55	5	13
806	478783	7315013	14	95	87	1	3.020	5	110	9	0.603	1	156	31	66	4.980	0.514	41	23	1.440	0.043	3	0.050	87	0.122	7	0.015	31	0.226	83	16	22
856	478814	7314016	12	34	17	1	1.690	5	28	7	0.258	1	71	7	40	3.890	0.126	18	9	0.513	0.014	2	0.031	13	0.094	5	0.013	17	0.213	67	4	10
854	478867	7313016	5	93	65	1	2.780	5	140	9	0.402	1	105	26	51	4.750	0.683	31	23	1.290	0.053	1	0.044	60	0.110	7	0.013	25	0.186	76	21	17
661	478927	7316018	5	64	47	1	2.437	5	88	8	0.481	1	63	14	54	3.445	0.352	27	20	1.167	0.028	2	0.038	42	0.109	7	0.010	21	0.172	71	8	17
427	478942	7312918	149	389	234	1	2.325	5	45	25	0.608	1	117	82	38	16.383	0.000	49	16	1.187	0.362	10	0.020	205	0.383	13	0.010	2	0.074	104	35	45
437	478960	7314960	11	74	113	1	2.587	5	95	12	0.673	1	43	58	122	6.702	0.483	10	32	1.612	0.111	4	0.042	153	0.172	9	0.010	16	0.230	144	10	17
730	478996	7313974	7	51	34	1	1.403	5	33	5	0.180	1	83	8	28	3.113	0.149	42	10	0.639	0.011	2	0.026	20	0.047	3	0.010	12	0.116	45	6	10
807	479059	7315023	13	106	121	1	2.920	5	97	10	0.588	1	252	28	64	5.190	0.493	45	23	1.380	0.053	2	0.053	98	0.098	8	0.013	30	0.220	83	16	28
857	479060	7314030	5	36	27	1	2.010	5	33	8	0.372	1	38	6	44	2.950	0.098	22	12	0.588	0.014	2	0.041	18	0.082	4	0.010	18	0.192	59	4	11
855	479080	7313001	7	27	12	1	1.780	5	35	5	0.213	1	63	6	34	2.240	0.097	16	9	0.424	0.009	2	0.026	12	0.053	5	0.018	15	0.173	51	4	12
428	479169	7312033	5	52	30	1	2.051	5	48	8	0.389	1	58	7	35	3.705	0.186	26	11	0.812	0.016	1	0.034	20	0.075	5	0.011	36	0.154	53	10	11
808	479421	7315003	10	79	42	1	2.700	5	82	11	0.348	1	38	23	57	6.450	0.612	14	30	1.320	0.040	2	0.035	33	0.094	6	0.053	16	0.282	112	8	9
1381	479500	7316000	5	59	34	1	2.620	5	102	5	0.539	1	63	11	56	4.190	0.453	27	31	1.040	0.020	3	0.054	36	0.077	6	0.010	26	0.256	81	10	11
1382	479500	7315950	5	88	45	1	3.490	5	119	7	0.908	1	75	17	78	4.980	0.572	37	23	1.630	0.034	1	0.076	53	0.090	10	0.012	47	0.299	96	22	23
1383	479500	7315900	5	50	20	1	2.590	5	60	5	0.506	1	28	8	56	3.280	0.271	18	14	0.961	0.018	1	0.052	24	0.039	6	0.010	32	0.273	79	9	10
1384	479500	7315850	5	92	40	1	3.680	5	89	8	0.761	1	200	19	76	5.360	0.405	37	30	1.560	0.045	1	0.061	49	0.087	10	0.010	37	0.266	92	15	23
1385	479500	7315800	5	81	39	1	3.880	5	82	8	1.020	1	204	24	72	4.910	0.420	49	27	1.520	0.056	1	0.067	44	0.156	11	0.010	45	0.264	91	17	33
1386	479500	7315750	19	148	37	1	4.010	5	83	8	0.958	1	135	20	55	7.080	0.300	45	46	2.000	0.050	2	0.049	28	0.123	12	0.010	60	0.277	93	20	22
1387	479500	7315700	5	82	36	1	2.700	5	79	5	0.868	1	88	16	65	3.760	0.261	47	27	1.380	0.032	2	0.054	43	0.122	9	0.010	38	0.227	77	10	29
1388	479500	7315650	5	85	37	1	3.000	5	67	6	0.899	1	95	15	70	4.290	0.220	58	27	1.330	0.027	1	0.056	46	0.123	10	0.013	40	0.252	88	9	29
1389	479500	7315600	5	88	40	1	3.560	10	74	7	0.950	1	95	19	77	4.650	0.254	56	28	1.440	0.038	1	0.067	51	0.114	11	0.010	43	0.291	99	10	35
1390	479500	7315550	5	101	33	1	2.000	9	50	4	0.919	1	77	11	43	2.800	0.243	33	11	0.819	0.031	1	0.059	30	0.159	7	0.010	46	0.193	55	12	19
1391	479500	7315500	5	111	92	1	3.940	5	165	8	1.010	1	147	30	81	6.170	0.683	48	28	1.760	0.067	2	0.075	94	0.122	13	0.010	50	0.310	108	24	31
1392	479500	7315450	5	164	83	1	3.750	5	131	9	0.997	1	133	34	90	6.320	0.607	92	42	2.010	0.065	2	0.072	176	0.118	14	0.010	43	0.294	107	22	78
1393	479500	7315400	5	116	81	1	3.620	5	103	7	0.933	1	187	26	78	6.050	0.522	56	27	1.530	0.058	3	0.070	79	0.127	12	0.011	47	0.323	108	18	36

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1394	479500	7315350	5	125	81	1	3.590	5	104	7	0.705	1	155	24	71	5.600	0.510	60	31	1.560	0.052	3	0.058	77	0.121	11	0.012	35	0.250	98	11	39
1395	479500	7315300	5	82	46	1	3.480	6	93	8	0.815	1	83	28	78	5.850	0.460	37	37	1.720	0.087	3	0.079	49	0.117	12	0.012	30	0.272	116	10	26
1396	479500	7315250	5	97	56	1	2.980	5	88	7	0.801	1	136	25	66	5.150	0.476	39	27	1.430	0.063	3	0.067	54	0.116	10	0.010	33	0.263	101	13	24
1397	479500	7315200	5	118	53	1	3.690	5	74	7	0.778	1	81	22	77	5.720	0.372	56	39	1.660	0.043	3	0.060	50	0.114	12	0.010	34	0.284	106	13	29
1398	479500	7315150	6	108	51	1	3.260	5	83	7	0.699	1	94	23	72	4.700	0.335	43	37	1.820	0.064	2	0.063	44	0.090	12	0.010	26	0.265	98	11	30
1399	479500	7315100	8	123	66	1	3.560	5	110	8	0.836	1	115	25	76	6.250	0.520	62	42	1.960	0.071	2	0.058	53	0.117	13	0.013	29	0.265	113	18	41
1400	479500	7315050	5	99	106	1	3.550	5	127	8	0.747	1	197	41	74	6.360	0.612	47	28	1.590	0.061	1	0.069	92	0.112	9	0.011	38	0.274	105	20	28
1446	479500	7311800	5	76	38	1	3.710	5	61	9	0.539	1	161	17	62	7.870	0.261	39	14	0.846	0.042	2	0.049	28	0.106	9	0.016	54	0.276	80	13	17
1447	479500	7311850	5	60	36	1	2.740	5	60	5	0.614	1	114	11	46	4.580	0.251	42	10	0.780	0.033	3	0.050	32	0.105	7	0.011	64	0.211	59	7	16
1448	479500	7311900	5	115	79	1	3.070	5	111	8	0.782	1	137	25	50	5.780	0.479	51	17	1.320	0.062	3	0.060	60	0.121	9	0.011	74	0.239	74	25	21
1449	479500	7311950	5	53	37	1	2.890	5	65	6	0.673	1	106	10	59	4.840	0.252	34	13	0.837	0.025	2	0.045	29	0.089	7	0.015	53	0.310	65	9	15
1450	479500	7312000	5	76	28	1	3.000	5	64	7	0.693	1	240	24	53	5.310	0.257	34	16	1.020	0.067	3	0.048	35	0.116	7	0.011	58	0.242	73	9	19
1451	479500	7312050	5	88	31	1	2.550	5	63	6	0.787	1	161	14	48	4.320	0.238	65	25	1.020	0.055	2	0.049	40	0.160	9	0.010	57	0.178	65	8	34
1452	479500	7312100	6	53	14	1	2.220	5	45	6	0.415	1	43	12	49	4.700	0.167	21	8	0.607	0.052	2	0.037	20	0.101	6	0.014	45	0.259	68	7	11
1453	479500	7312150	5	69	42	1	2.380	5	55	6	0.824	1	83	13	46	4.580	0.233	43	10	0.892	0.033	2	0.054	37	0.131	6	0.011	75	0.231	60	10	16
1454	479500	7312200	5	49	16	1	2.010	5	57	7	0.509	1	33	7	38	4.260	0.253	20	9	0.756	0.019	1	0.039	16	0.057	4	0.011	52	0.372	72	9	8
1455	479500	7312250	5	80	65	1	3.050	5	92	9	0.734	1	76	14	53	5.380	0.389	39	18	1.190	0.030	3	0.062	50	0.106	10	0.010	60	0.250	75	23	20
1456	479500	7312300	5	66	30	1	2.970	5	75	8	0.462	1	107	14	76	6.370	0.347	24	16	1.090	0.033	2	0.045	39	0.057	6	0.012	42	0.327	79	10	10
1457	479500	7312350	5	85	48	1	3.570	5	102	6	0.530	1	113	21	65	5.610	0.420	39	22	1.350	0.043	2	0.056	47	0.057	9	0.010	48	0.251	85	10	19
1458	479500	7312400	5	76	59	1	3.500	5	92	7	0.689	1	76	16	83	5.020	0.414	33	18	1.390	0.032	2	0.061	66	0.100	8	0.010	52	0.287	79	12	18
1459	479500	7312450	7	67	27	1	3.180	6	73	9	0.524	1	81	14	121	5.770	0.343	23	15	1.110	0.051	1	0.054	47	0.069	7	0.012	37	0.347	80	9	14
1460	479500	7312500	5	62	30	1	3.430	5	58	10	0.564	1	43	14	72	6.420	0.262	16	12	0.983	0.030	1	0.053	37	0.089	7	0.010	32	0.338	78	8	11
1461	479500	7312550	5	65	49	1	2.360	5	69	5	0.650	1	98	17	38	4.050	0.314	33	15	0.791	0.039	2	0.057	43	0.121	7	0.011	36	0.167	56	13	18
1462	479500	7312600	5	85	62	1	2.540	5	54	6	0.810	1	105	19	47	4.060	0.219	30	18	1.150	0.047	2	0.054	50	0.161	8	0.011	36	0.162	66	10	18
1463	479500	7312650	9	78	46	1	3.040	5	72	7	0.723	1	81	24	83	6.470	0.332	19	25	1.240	0.068	3	0.055	58	0.117	8	0.010	29	0.244	102	15	15
1464	479500	7312700	9	55	30	1	2.410	5	41	9	0.305	1	22	15	100	7.840	0.140	7	11	1.000	0.034	1	0.031	67	0.078	6	0.012	18	0.256	75	9	7
1465	479500	7312750	5	61	27	1	2.610	5	55	6	0.551	1	107	12	41	4.360	0.260	39	17	1.210	0.047	1	0.048	26	0.078	7	0.011	29	0.182	59	13	23
1466	479500	7312800	10	39	10	1	1.740	5	67	3	0.356	1	61	5	26	1.980	0.233	26	8	0.507	0.016	1	0.033	11	0.035	4	0.012	29	0.269	46	8	12
1467	479500	7312850	5	46	7	1	1.890	5	55	6	0.384	1	25	8	43	3.850	0.282	13	12	0.804	0.026	3	0.042	13	0.037	5	0.010	27	0.321	83	19	7
1468	479500	7312900	5	49	16	1	1.960	7	61	6	0.419	1	37	7	43	4.940	0.210	22	10	0.546	0.021	4	0.044	19	0.047	5	0.013	35	0.291	72	14	10
1469	479500	7312950	5	19	35	1	1.270	5	27	1	0.166	1	76	2	28	0.570	0.086	34	5	0.234	0.005	1	0.026	10	0.064	5	0.017	14	0.131	20	7	10
1470	479500	7313000	5	37	17	1	1.860	5	50	9	0.442	1	30	12	33	9.130	0.231	19	11	0.634	0.036	5	0.046	21	0.091	5	0.012	28	0.195	65	15	9
1471	479500	7313050	5	67	24	1	2.580	5	81	3	0.614	1	69	14	56	2.470	0.296	34	20	1.010	0.018	3	0.058	30	0.090	7	0.010	41	0.264	89	10	14
1472	479500	7313100	5	45	16	1	2.200	5	78	3	0.647	1	52	8	46	2.100	0.262	26	15	0.808	0.017	2	0.050	23	0.082	6	0.011	34	0.210	71	8	12
1473	479500	7313150	5	54	15	1	2.580	5	94	3	0.759	1	68	8	51	2.260	0.380	33	19	0.866	0.023	2	0.062	26	0.107	8	0.012	47	0.214	62	11	19
1474	479500	7313200	5	62	24	1	2.540	5	77	5	0.741	1	59	10	47	4.110	0.345	37	16	0.915	0.023	3	0.062	28	0.137	7	0.010	39	0.195	71	13	18
1475	479500	7313250	5	36	9	1	1.990	5	62	4	0.409	1	25	6	39	3.010	0.238	18	11	0.661	0.013	3	0.044	14	0.072	5	0.011	28	0.274	76	8	8
1476	479500	7313300	5	70	36	1	2.710	5	99	4	0.755	1	91	13	62	2.590	0.438	47	22	1.120	0.021	2	0.060	36	0.126	8	0.010	42	0.216	63	12	20
1477	479500	7313350	5	66	41	1	2.690	5	80	6	0.580	1	130	16	55	4.530	0.371	41	16	1.050	0.039	2	0.058	40	0.107	8	0.011	37	0.206	69	9	22
1478	479500	7313400	5	120	85	1	3.690	5	166	8	0.676	1	116	25	75	6.610	0.732	43	25	1.630	0.061	2	0.068	85	0.112	11	0.010	48	0.264	96	24	22
1479	479500	7313450	5	90	62	1	2.900	5	98	6	0.631	1	107	17	61	5.140	0.464	46	19	1.240	0.036	2	0.060	53	0.087	9	0.010	43	0.238	77	16	21
1480	479500	7313500	5	69	45	1	2.690	5	124	6	0.597	1	84	15	51	4.050	0.475	38	20	1.120	0.039	1	0.056	45	0.098	8	0.010	43	0.217	68	17	20
1481	479500	7313550	5	83	43	1	2.850	5	103	5	0.764	1	73	15	60	3.900	0.435	44	21	1.220	0.027	1	0.054	45	0.128	8	0.010	47	0.223	70	15	19
1482	479500	7313600	5	68	42	1	2.730	5	137	5	0.732	1	92	15	61	3.960	0.454	49	21	1.240	0.024	2	0.057	50	0.097	8	0.010	43	0.241	69	25	24
1483	479500	7313650	5	74	17	1	2.800	5	70	4	0.731	1	65	11	58	3.020	0.259	43	26	1.230	0.022	1	0.050	38	0.108	7	0.010	39	0.241	66	10	16
1484	479500	7313700	5	96	81	1	3.270	5	127	8	0.779	1	125	25	63	5.570	0.546	37	23	1.400	0.065	3	0.067	75	0.124	11	0.010	49	0.251	88	22	21
1485	479500	7313750	5	70	32	1	2.390	5	56	5	0.803	1	44	11	58	3.760	0.272	24	19	1.060	0.029	2	0.054	35	0.136	7	0.010	40	0.218	71	10	14
1486	479500	7313800	5	69	47	1	2.710	5	66	7	0.682	1	149	14	59	4.610	0.320	39	17	1.110	0.035	2	0.057	36	0.076	8	0.010	42	0.274	77	12	22
1487	479500	7313850	5	62	49	1	2.180	5	51	5	0.640	1	71	12	60	3.810	0.244	35	13	0.885	0.030	2	0.053	31	0.081	7	0.010	36	0.321	81	9	17
1488	479500	7313900	5	67	62	1	2.430	5	69	5	0.712	1	60	9	52	3.970	0.365	37	15	1.020	0.024	2	0.055	31	0.086	6	0.010	44	0.248	69	12	16

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1489	479500	7313950	5	75	102	1	2.730	5	87	6	0.953	1	157	19	56	5.060	0.411	41	20	1.200	0.054	1	0.072	47	0.117	9	0.010	54	0.246	73	21	21
1490	479500	7314000	5	60	52	1	2.420	5	68	6	0.820	1	99	16	47	3.790	0.329	38	15	1.010	0.046	3	0.060	34	0.120	7	0.010	43	0.212	66	13	18
1491	479500	7314050	5	65	28	1	2.710	5	51	5	0.733	1	46	11	71	4.120	0.259	24	16	1.060	0.024	2	0.061	31	0.093	8	0.011	42	0.255	86	9	15
1492	479500	7314100	5	50	40	1	2.490	5	44	5	1.110	1	109	14	52	3.620	0.203	35	14	0.894	0.043	1	0.068	33	0.152	10	0.013	63	0.267	72	14	23
1493	479500	7314150	5	49	33	1	1.950	5	50	4	0.876	1	76	10	42	2.750	0.242	33	11	0.808	0.029	1	0.055	30	0.155	7	0.010	43	0.184	54	12	18
1494	479500	7314200	8	35	21	1	1.610	5	39	3	0.518	1	43	8	45	2.100	0.143	28	9	0.493	0.021	1	0.041	19	0.058	5	0.011	30	0.300	75	6	13
1495	479500	7314250	5	59	49	1	2.170	5	68	5	0.905	1	91	14	50	3.400	0.340	40	15	1.060	0.033	2	0.058	40	0.133	7	0.010	43	0.213	62	16	21
1496	479500	7314300	5	85	75	1	3.300	5	97	7	1.030	1	155	20	69	5.180	0.442	50	20	1.430	0.049	2	0.077	62	0.128	11	0.012	58	0.311	89	19	28
1497	479500	7314350	5	65	54	1	3.170	5	65	6	0.646	1	144	12	59	4.700	0.296	52	15	0.944	0.027	3	0.058	36	0.137	9	0.012	37	0.267	82	8	28
1548	479500	7315000	27	84	37	1	2.330	5	72	8	0.386	1	136	17	32	6.030	0.305	65	24	1.240	0.091	1	0.031	28	0.109	11	0.010	15	0.176	66	23	61
1549	479500	7314950	34	192	99	1	3.060	5	121	12	0.802	1	93	33	60	9.200	0.528	65	29	1.560	0.178	5	0.052	69	0.192	14	0.010	34	0.252	115	28	51
1550	479500	7314900	5	59	74	1	2.500	9	60	7	0.423	1	80	17	58	5.260	0.338	42	19	1.040	0.023	3	0.042	37	0.077	5	0.011	24	0.289	95	13	15
1551	479500	7314850	5	68	57	1	2.550	5	82	6	0.654	1	109	16	58	4.530	0.406	43	24	1.160	0.027	1	0.055	53	0.102	7	0.010	33	0.242	80	14	19
1552	479500	7314800	5	71	80	1	2.590	5	65	5	0.552	1	111	14	57	3.960	0.289	55	23	1.120	0.021	2	0.055	47	0.088	7	0.010	29	0.207	75	11	24
1553	479500	7314750	11	85	59	1	2.820	5	75	6	0.666	1	116	16	62	3.940	0.342	49	23	1.300	0.026	2	0.057	51	0.103	9	0.011	33	0.222	80	9	22
1554	479500	7314700	5	52	28	1	2.460	5	43	5	0.474	1	57	8	56	4.300	0.199	35	13	0.827	0.017	2	0.044	20	0.073	7	0.010	30	0.269	80	8	16
1555	479500	7314650	12	66	42	1	2.970	5	69	7	0.650	1	174	15	62	5.330	0.370	41	16	1.130	0.033	2	0.054	38	0.111	8	0.010	38	0.291	86	11	22
1556	479500	7314600	5	71	60	1	2.750	5	80	6	0.924	1	182	17	65	4.960	0.380	47	16	1.250	0.043	2	0.068	53	0.111	8	0.010	49	0.294	84	18	25
1557	479500	7314550	5	57	29	1	2.570	5	50	5	0.616	1	72	9	55	3.850	0.215	39	14	0.932	0.022	3	0.049	28	0.093	7	0.012	38	0.254	72	8	19
1558	479500	7314500	5	60	37	1	2.760	5	68	5	0.856	1	88	11	59	4.160	0.311	47	14	1.030	0.031	2	0.065	35	0.106	9	0.013	53	0.287	76	13	25
1559	479500	7314450	8	57	38	1	2.440	5	61	6	0.494	1	173	11	57	4.760	0.266	44	14	0.922	0.022	3	0.045	33	0.102	6	0.011	29	0.269	84	7	19
1560	479500	7314400	5	78	61	1	2.560	5	76	6	0.727	1	229	16	59	4.870	0.379	57	19	1.100	0.031	3	0.055	51	0.139	8	0.010	39	0.261	80	12	24
858	479539	7314023	5	54	46	1	2.120	5	66	6	0.460	1	94	15	45	3.340	0.287	30	13	0.848	0.028	2	0.044	38	0.096	5	0.013	26	0.183	57	6	13
859	479846	7314014	8	53	53	1	2.250	5	63	14	0.403	1	47	10	42	6.100	0.215	22	20	0.807	0.022	1	0.034	30	0.095	5	0.010	20	0.169	57	10	13
810	479864	7315023	6	71	51	1	2.490	5	86	7	0.614	1	154	17	61	4.330	0.372	30	17	1.230	0.034	2	0.049	50	0.115	6	0.010	32	0.217	73	9	15
436	479900	7314993	5	93	100	1	2.721	5	89	9	0.555	1	281	29	62	4.670	0.392	90	23	1.325	0.038	3	0.042	76	0.121	7	0.011	28	0.216	84	12	36
731	479965	7313993	7	84	75	1	2.846	5	102	10	0.531	1	132	20	64	5.030	0.419	32	19	1.322	0.038	2	0.046	58	0.103	6	0.013	30	0.229	80	13	15
733	479976	7312041	8	46	22	1	2.143	5	35	9	0.241	1	52	7	42	4.651	0.174	13	11	0.619	0.019	1	0.030	19	0.044	4	0.010	16	0.171	57	8	7
732	479994	7313019	5	70	55	1	3.016	5	95	8	0.423	1	66	14	52	4.140	0.382	27	24	1.201	0.020	1	0.038	51	0.072	7	0.010	24	0.181	71	16	16
435	479999	7315990	9	42	15	1	2.036	5	42	7	0.309	1	37	6	42	3.687	0.229	16	11	0.598	0.018	2	0.026	18	0.067	4	0.010	22	0.183	64	5	9
809	480128	7315018	5	109	136	1	3.970	5	129	13	0.529	1	113	28	75	5.010	0.733	25	34	1.650	0.062	1	0.054	81	0.117	8	0.013	22	0.222	101	22	20
860	480167	7314018	13	39	28	1	2.160	5	20	5	0.270	1	34	9	27	2.880	0.092	17	11	0.464	0.022	1	0.021	19	0.077	5	0.027	13	0.089	29	5	8
1314	480500	7315420	5	89	63	1	3.550	5	105	8	0.802	1	140	24	77	6.670	0.450	42	22	1.440	0.051	3	0.068	60	0.126	9	0.010	43	0.333	112	13	20
1315	480500	7315350	5	93	67	1	3.300	5	98	7	1.000	1	111	24	75	5.120	0.433	44	24	1.500	0.057	2	0.081	58	0.153	10	0.010	45	0.286	99	13	24
1316	480500	7315290	5	64	67	1	2.800	5	64	6	0.592	1	76	14	65	4.610	0.302	37	19	1.290	0.025	2	0.056	39	0.080	8	0.010	27	0.251	95	9	18
1317	480500	7315250	5	49	321	1	3.300	5	59	7	0.262	1	149	18	62	5.980	0.200	97	16	0.926	0.015	7	0.041	56	0.118	9	0.023	16	0.156	111	9	47
1318	480500	7315200	5	77	123	1	3.460	5	66	7	0.553	1	205	31	73	5.720	0.312	39	23	1.060	0.067	2	0.046	45	0.120	9	0.010	23	0.246	101	10	25
1319	480500	7315150	5	72	127	1	2.940	5	59	5	0.571	1	139	18	56	4.010	0.286	63	19	1.030	0.028	2	0.046	50	0.121	7	0.013	27	0.194	75	7	31
1320	480500	7315100	5	67	78	1	2.800	6	78	5	0.572	1	109	12	61	4.180	0.372	55	15	1.040	0.024	3	0.054	38	0.097	8	0.014	32	0.283	86	8	27
1321	480500	7315080	9	78	118	1	3.260	5	71	9	0.906	1	165	45	95	9.710	0.337	61	22	1.500	0.085	5	0.066	98	0.148	11	0.011	35	0.469	164	20	31
1322	480500	7315020	5	82	76	1	3.360	5	64	8	0.788	1	275	26	75	5.520	0.296	75	22	1.170	0.057	2	0.057	47	0.122	10	0.010	37	0.314	99	12	40
1323	480500	7314970	5	107	120	1	4.100	5	121	8	0.873	1	225	31	90	6.590	0.552	70	26	1.620	0.058	3	0.067	72	0.139	12	0.011	49	0.341	110	17	48
1324	480500	7314940	5	113	82	1	3.740	5	205	8	1.180	1	124	28	90	6.570	0.788	52	24	1.900	0.045	5	0.079	90	0.143	12	0.010	61	0.353	116	28	29
1325	480500	7314890	5	84	65	1	2.920	5	79	5	0.923	1	122	15	67	3.820	0.336	81	22	1.180	0.027	3	0.061	44	0.128	9	0.012	40	0.283	93	10	38
1326	480500	7314810	5	101	84	1	4.010	5	134	7	0.861	1	115	24	81	5.500	0.560	48	25	1.660	0.066	3	0.071	62	0.127	11	0.010	48	0.316	104	15	29
1327	480500	7314760	5	87	59	1	3.310	5	103	7	1.030	1	124	25	80	5.340	0.481	38	20	1.570	0.051	2	0.074	65	0.126	10	0.010	55	0.310	97	19	23
1328	480500	7314710	5	54	30	1	2.460	5	61	4	0.907	1	69	10	55	3.250	0.285	32	13	0.998	0.031	1	0.064	29	0.117	8	0.010	46	0.241	70	10	19
1329	480500	7314650	5	77	63	1	2.970	5	100	7	1.120	1	91	20	73	4.600	0.466	36	19	1.490	0.050	1	0.081	54	0.131	10	0.010	54	0.298	91	23	23
1330	480500	7314600	5	79	42	1	3.320	5	98	6	0.778	1	91	18	71	4.750	0.472	43	27	1.410	0.039	2	0.059	51	0.113	9	0.010	42	0.275	88	12	26
1331	480500	7314550	5	106	73	1	3.470	5	145	8	0.867	1	168	30	78	5.820	0.651	49	24	1.650	0.058	3	0.072	72	0.140	9	0.012	52	0.295	99	19	23

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1332	480500	7314500	5	79	65	1	3.270	5	114	6	1.000	1	125	21	70	4.810	0.512	47	20	1.410	0.042	2	0.075	53	0.138	9	0.010	56	0.278	85	22	24
1333	480500	7314450	5	70	40	1	3.030	5	86	7	0.888	1	76	12	68	5.170	0.417	39	16	1.310	0.033	2	0.068	37	0.103	9	0.010	52	0.321	93	20	21
1334	480500	7314400	5	64	38	1	2.880	5	82	6	0.528	1	76	11	65	4.510	0.353	34	17	1.110	0.022	4	0.048	32	0.107	7	0.011	35	0.264	85	8	15
1335	480500	7314350	5	97	76	1	3.170	5	130	7	0.788	1	113	25	70	5.550	0.602	47	21	1.420	0.042	2	0.067	63	0.108	9	0.011	45	0.283	92	16	22
1336	480500	7314300	5	73	50	1	3.620	5	81	8	0.659	1	167	23	80	6.530	0.360	44	18	1.200	0.049	3	0.057	48	0.094	9	0.013	37	0.287	96	9	18
1337	480500	7314250	5	77	58	1	3.140	5	95	7	0.787	1	148	20	69	5.350	0.392	59	18	1.210	0.043	3	0.061	52	0.095	10	0.010	46	0.309	89	12	35
1338	480500	7314200	5	96	76	1	3.330	5	136	7	0.957	1	110	23	78	5.470	0.593	52	22	1.530	0.046	2	0.072	66	0.112	10	0.010	56	0.311	93	20	24
1339	480500	7314150	5	80	82	1	2.980	5	60	7	0.688	1	145	26	64	4.880	0.278	125	29	1.270	0.045	1	0.052	56	0.108	11	0.010	41	0.293	80	10	54
1340	480500	7314100	5	107	37	1	2.970	5	97	6	0.893	1	49	22	90	4.980	0.445	31	39	1.600	0.026	3	0.052	80	0.124	7	0.010	36	0.295	80	12	15
1341	480500	7314050	5	87	43	1	2.610	5	111	5	1.060	1	111	15	56	3.360	0.498	43	20	1.290	0.034	1	0.069	63	0.142	9	0.010	54	0.237	70	19	24
1342	480500	7314000	5	93	71	1	3.190	5	124	7	0.831	1	93	22	69	5.320	0.527	39	23	1.460	0.044	2	0.065	61	0.116	10	0.010	49	0.276	88	22	21
1343	480500	7313950	5	75	51	1	2.740	5	99	6	0.945	1	89	16	61	4.170	0.420	46	19	1.210	0.032	2	0.063	41	0.130	9	0.013	52	0.267	81	16	22
1344	480500	7313900	5	95	54	1	2.960	5	158	5	1.050	1	140	22	74	4.110	0.611	70	28	1.540	0.034	3	0.068	61	0.140	9	0.010	56	0.284	87	21	25
1345	480500	7313850	5	60	27	1	2.400	5	74	5	0.804	1	77	11	49	3.700	0.377	38	16	1.030	0.027	2	0.059	31	0.118	7	0.011	46	0.230	65	12	18
1346	480500	7313800	5	74	47	1	2.800	5	81	6	0.567	1	142	19	60	4.650	0.437	63	17	1.170	0.033	2	0.045	46	0.089	7	0.010	36	0.272	80	13	19
1347	480500	7313750	5	69	62	1	2.810	5	87	7	0.878	1	109	16	50	4.030	0.424	42	16	1.070	0.040	2	0.066	50	0.135	8	0.010	50	0.228	69	19	22
1348	480500	7313700	5	89	74	1	3.160	5	125	6	0.912	1	122	24	60	5.040	0.573	47	21	1.350	0.054	2	0.075	61	0.126	10	0.010	55	0.249	80	30	23
1349	480500	7313650	5	61	52	1	2.300	5	76	6	0.970	1	88	13	48	3.590	0.386	43	14	0.986	0.033	1	0.064	42	0.153	8	0.011	51	0.213	64	23	21
1350	480500	7313600	5	59	52	1	2.110	6	93	4	0.852	1	104	17	43	2.380	0.375	51	15	0.978	0.028	2	0.053	49	0.147	7	0.037	43	0.188	53	21	20
1351	480500	7313550	5	71	54	1	2.640	5	93	6	0.890	1	99	15	54	4.310	0.406	53	19	1.140	0.029	4	0.064	50	0.120	8	0.010	52	0.237	66	26	22
1352	480500	7313490	5	90	64	1	2.820	5	126	4	1.010	1	137	14	70	3.230	0.554	75	20	1.410	0.029	1	0.073	67	0.104	10	0.010	61	0.277	73	34	29
1353	480500	7313440	5	96	93	1	3.310	5	126	8	0.957	1	138	31	66	5.640	0.628	51	22	1.530	0.062	3	0.077	78	0.134	10	0.011	53	0.274	93	23	25
1354	480500	7313390	5	69	82	1	2.640	5	101	4	0.727	1	65	17	133	3.150	0.433	33	18	1.330	0.025	2	0.061	107	0.108	7	0.010	38	0.221	70	12	16
1355	480500	7313330	5	112	97	1	3.660	11	136	8	0.867	1	141	31	87	6.050	0.699	42	26	1.720	0.059	2	0.076	93	0.114	10	0.039	54	0.306	97	21	21
1356	480500	7313270	8	66	15	1	2.350	5	57	8	0.416	1	55	15	63	6.450	0.268	36	14	0.871	0.019	4	0.043	26	0.086	6	0.012	30	0.330	97	11	14
1357	480500	7313210	5	79	69	1	2.900	5	121	5	0.901	1	143	19	59	3.180	0.512	72	22	1.310	0.029	2	0.072	68	0.100	9	0.010	54	0.250	74	28	30
1358	480500	7313160	5	96	66	1	2.960	5	154	6	0.697	1	102	23	60	5.090	0.726	47	24	1.420	0.046	2	0.065	70	0.133	10	0.010	42	0.234	81	30	22
1359	480500	7313110	5	92	55	1	2.950	5	147	7	0.997	1	105	23	66	4.310	0.681	46	24	1.440	0.037	4	0.072	66	0.128	9	0.010	55	0.261	84	32	24
1360	480500	7313060	14	155	86	1	3.760	5	49	13	0.823	1	135	28	91	9.100	0.253	71	30	1.720	0.032	2	0.046	44	0.097	15	0.011	82	0.583	110	18	31
1361	480500	7313000	5	74	52	1	2.840	5	99	5	0.814	1	78	14	51	4.530	0.453	40	18	1.140	0.039	1	0.071	38	0.127	9	0.010	50	0.223	72	27	21
1362	480500	7312950	5	81	60	1	3.150	9	108	8	0.695	1	147	27	61	4.780	0.520	41	21	1.120	0.067	4	0.061	59	0.137	9	0.010	41	0.245	77	11	23
1363	480500	7312900	5	64	19	1	2.330	5	87	4	0.728	1	79	11	46	2.630	0.305	37	16	0.981	0.023	3	0.058	23	0.086	7	0.010	39	0.218	67	14	18
1364	480500	7312850	5	60	18	1	2.030	5	74	3	0.587	1	73	9	49	2.050	0.291	34	17	0.899	0.018	4	0.051	25	0.073	6	0.011	33	0.215	60	12	15
1365	480500	7312800	5	80	67	1	2.690	5	80	5	0.769	1	158	21	46	4.280	0.390	45	18	0.984	0.045	2	0.063	47	0.127	9	0.011	43	0.195	65	12	22
1366	480500	7312750	5	52	26	1	2.060	5	97	6	0.856	1	80	11	43	3.240	0.321	41	22	0.850	0.026	7	0.052	38	0.119	7	0.011	47	0.180	56	14	20
1367	480500	7312700	5	102	95	1	3.050	5	115	9	0.601	1	143	29	50	5.630	0.612	40	25	1.260	0.052	3	0.063	71	0.119	10	0.010	37	0.204	77	24	21
1368	480500	7312650	5	78	48	1	2.970	5	85	5	0.862	1	79	11	50	3.020	0.484	41	21	1.310	0.026	1	0.063	30	0.151	8	0.010	42	0.214	66	24	19
1369	480500	7312600	5	70	32	1	2.330	5	94	5	0.786	1	98	13	48	2.960	0.373	53	19	1.080	0.022	1	0.055	44	0.123	7	0.010	44	0.205	60	11	19
1370	480500	7312550	11	52	22	1	2.230	5	48	7	0.295	1	47	13	47	6.960	0.245	15	11	0.682	0.033	3	0.036	28	0.062	5	0.013	23	0.212	73	11	7
1371	480500	7312500	5	69	44	1	2.430	5	68	4	0.589	1	145	10	52	2.250	0.265	94	20	1.030	0.019	2	0.046	25	0.089	6	0.010	35	0.200	60	14	24
1372	480500	7312450	5	55	31	1	2.220	5	58	3	0.700	1	72	11	38	2.220	0.258	36	13	0.899	0.022	1	0.051	30	0.107	6	0.010	44	0.171	51	14	15
1373	480500	7312400	5	90	74	1	2.630	5	102	4	0.936	1	155	20	52	2.980	0.483	72	19	1.220	0.029	4	0.063	53	0.136	9	0.010	54	0.220	68	19	26
1374	480500	7312350	5	57	59	1	2.070	5	62	6	0.674	1	125	16	36	3.490	0.298	47	12	0.752	0.038	1	0.046	40	0.123	7	0.011	43	0.178	54	13	21
1375	480500	7312300	5	64	27	1	2.310	5	64	6	0.492	1	82	14	47	4.810	0.268	30	20	0.886	0.027	2	0.038	28	0.075	5	0.010	37	0.216	69	10	12
1376	480500	7312550	13	109	137	1	3.210	5	81	8	0.683	1	385	38	53	6.800	0.406	121	16	1.050	0.066	5	0.049	92	0.182	8	0.037	55	0.194	70	18	21
1377	480500	7312200	5	89	24	1	3.120	5	96	5	0.654	1	69	14	59	3.550	0.466	40	23	1.310	0.024	1	0.048	46	0.100	7	0.010	75	0.265	65	16	17
1378	480500	7312150	5	93	50	1	2.920	8	116	6	0.911	1	121	21	55	4.310	0.463	62	22	1.270	0.033	5	0.064	46	0.127	9	0.010	72	0.226	77	32	26
1379	480500	7312100	5	68	47	1	2.940	5	49	9	0.693	1	134	22	62	7.600	0.202	19	14	0.993	0.050	3	0.051	44	0.094	7	0.015	94	0.330	93	11	12
1380	480500	7312050	5	83	68	1	2.810	5	52	6	0.775	1	244	19	42	4.620	0.269	114	24	1.220	0.026	4	0.047	45	0.127	6	0.010	60	0.233	65	14	21
1301	480580	7316050	20	63	27	1	2.280	5	56	9	0.429	1	40	11	41	7.050	0.198	16	11	0.563	0.049	1	0.037	21	0.078	5	0.011	27	0.215	77	16	8

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1302	480580	7316000	5	127	79	1	3.630	5	156	8	1.140	1	190	32	87	6.590	0.670	78	33	1.920	0.071	3	0.075	91	0.139	12	0.010	50	0.339	111	25	49
1303	480580	7315950	5	102	69	1	3.440	5	132	7	1.270	1	243	31	89	5.930	0.585	44	23	1.760	0.069	2	0.090	93	0.128	11	0.010	56	0.348	112	19	24
1304	480580	7315900	5	98	53	1	3.330	5	139	6	1.320	1	121	21	84	5.080	0.547	76	27	1.640	0.044	1	0.083	70	0.136	12	0.010	56	0.339	100	15	42
1305	480580	7315850	7	114	87	1	4.040	5	209	10	1.460	1	176	36	95	7.590	0.894	71	34	2.230	0.106	1	0.098	94	0.122	13	0.010	65	0.374	126	33	43
1306	480580	7315800	5	98	87	1	3.320	5	162	7	1.360	1	162	36	77	6.100	0.655	71	27	1.690	0.076	3	0.090	100	0.149	12	0.010	62	0.324	106	33	37
1307	480580	7315750	5	127	61	1	2.980	5	107	7	1.000	1	94	19	69	5.050	0.511	56	44	1.840	0.048	2	0.052	60	0.119	9	0.010	42	0.260	100	20	34
1308	480580	7315700	5	99	75	1	3.700	5	127	7	1.220	1	149	27	86	5.890	0.573	46	24	1.720	0.066	2	0.091	95	0.137	12	0.011	61	0.329	108	22	32
1309	480580	7315670	5	118	47	1	2.640	6	109	6	0.895	1	194	17	55	4.690	0.491	116	27	1.220	0.129	3	0.060	63	0.103	9	0.010	34	0.232	72	31	76
1310	480580	7315630	5	88	69	1	2.970	5	101	7	1.170	1	241	34	74	5.240	0.439	44	21	1.530	0.069	2	0.084	80	0.202	10	0.010	40	0.256	105	15	23
1311	480580	7315590	5	79	50	1	2.550	5	77	7	0.959	1	122	24	49	4.970	0.329	34	22	1.160	0.051	1	0.090	34	0.148	9	0.010	30	0.253	100	8	22
1312	480580	7315560	5	81	57	1	3.090	5	72	6	0.716	1	118	26	59	4.940	0.298	42	20	1.250	0.050	3	0.064	51	0.143	9	0.010	31	0.243	92	8	20
1313	480580	7315520	5	157	119	1	4.520	5	161	12	1.570	2	214	68	194	9.230	1.050	89	47	2.950	0.149	2	0.105	146	0.140	12	0.010	29	0.674	207	14	33
KJENSVATN																																
1408	463900	7328100	5	65	30	1	2.730	5	56	5	0.729	1	88	10	44	3.880	0.287	27	22	0.857	0.027	1	0.056	24	0.076	7	0.013	29	0.224	69	18	25
1409	463900	7328400	5	55	36	1	3.140	5	110	10	0.451	1	38	17	87	8.370	0.637	22	30	1.340	0.050	1	0.034	26	0.068	8	0.010	17	0.359	145	15	17
1410	463950	7328400	7	52	26	1	3.510	5	41	7	0.594	1	121	15	119	5.320	0.205	30	23	0.889	0.036	2	0.038	46	0.052	8	0.048	25	0.397	94	16	23
1445	463950	7327850	5	56	202	1	2.830	5	384	9	0.405	1	30	61	42	7.990	0.303	12	12	0.361	0.264	2	0.020	49	0.102	8	0.059	11	0.264	102	12	11
1407	463950	7328100	5	40	20	1	3.380	5	209	11	0.596	1	55	7	1	13.200	0.353	10	35	1.290	0.036	2	0.058	2	0.300	6	0.010	9	0.143	64	11	20
1406	464000	7328100	13	81	68	1	2.450	5	80	6	0.750	1	127	17	45	4.040	0.418	43	19	1.040	0.054	1	0.061	41	0.107	8	0.010	28	0.183	65	20	30
1411	464000	7328400	5	96	42	1	7.860	5	85	11	3.220	2	331	26	129	6.850	0.480	69	40	2.820	0.097	2	0.470	429	0.238	15	0.010	234	0.370	107	31	32
1444	464000	7327850	5	36	65	1	3.830	5	96	7	0.524	1	41	15	51	6.300	0.231	18	12	0.510	0.130	2	0.045	24	0.088	9	0.053	18	0.249	85	17	13
1412	464050	7328400	5	72	26	1	3.630	5	140	4	0.726	1	99	12	111	2.810	0.652	41	24	1.330	0.016	1	0.052	45	0.082	8	0.010	25	0.289	83	14	25
1443	464050	7327850	6	55	20	1	2.530	8	80	4	0.807	1	34	8	58	3.600	0.401	22	20	1.040	0.025	4	0.062	22	0.068	8	0.010	35	0.288	91	15	14
1405	464050	7328100	5	96	38	1	3.480	5	114	5	0.830	1	202	14	56	3.530	0.401	80	28	1.230	0.028	4	0.072	43	0.132	12	0.024	33	0.227	78	15	73
1413	464100	7328400	5	83	38	1	3.360	5	64	8	0.604	1	177	16	81	6.240	0.241	22	34	1.110	0.040	2	0.044	36	0.069	7	0.011	26	0.329	95	16	18
1442	464100	7327850	5	54	46	1	2.960	5	75	5	0.789	1	112	9	55	4.290	0.375	34	20	0.996	0.026	2	0.060	29	0.084	9	0.010	32	0.222	76	21	22
1404	464100	7328100	7	75	77	1	2.670	5	133	4	0.852	1	109	9	53	2.890	0.537	53	23	1.270	0.028	7	0.062	32	0.168	8	0.010	38	0.236	92	22	39
1414	464150	7328400	5	38	29	1	3.410	5	65	7	0.442	1	81	11	58	5.770	0.245	23	16	0.689	0.029	2	0.051	19	0.053	10	0.030	18	0.297	92	14	23
1403	464150	7328100	16	56	37	1	2.430	5	54	6	0.541	1	128	9	40	3.640	0.266	52	13	0.603	0.029	2	0.042	22	0.085	7	0.011	22	0.202	76	13	31
1441	464150	7327850	5	118	57	1	3.060	5	91	6	0.766	1	162	21	57	4.820	0.496	57	31	1.140	0.044	3	0.055	51	0.102	8	0.010	28	0.224	72	13	33
1415	464200	7328400	25	67	19	1	2.050	5	39	15	0.383	1	44	19	31	12.700	0.142	29	10	0.416	0.052	3	0.031	12	0.050	6	0.012	17	0.362	98	20	18
1440	464200	7327850	5	43	25	1	2.660	5	54	4	0.724	1	67	7	47	3.280	0.251	28	16	0.740	0.024	1	0.056	21	0.067	8	0.013	32	0.214	63	16	19
1402	464200	7328100	6	25	11	1	1.890	5	33	3	0.370	1	33	4	34	2.420	0.140	18	6	0.362	0.012	1	0.035	14	0.024	5	0.013	19	0.222	78	18	10
1401	464250	7328100	9	70	41	1	2.370	5	28	7	0.597	1	30	29	344	5.810	0.105	16	18	0.972	0.030	1	0.046	503	0.049	6	0.010	27	0.236	74	23	10
1416	464250	7328400	10	85	45	1	2.430	5	76	7	0.625	1	87	12	49	3.890	0.429	33	19	0.976	0.032	1	0.053	31	0.054	7	0.010	24	0.225	68	18	19
1439	464250	7327850	5	52	40	1	3.850	5	58	5	0.690	1	120	10	54	3.760	0.305	32	15	0.754	0.031	2	0.055	27	0.093	10	0.015	26	0.213	82	21	20
1417	464300	7328400	7	84	22	1	2.770	5	65	8	0.635	1	56	15	50	4.660	0.246	27	25	0.944	0.064	1	0.053	24	0.059	7	0.010	25	0.292	82	13	20
1300	464300	7328100	5	75	19	1	2.300	5	46	5	0.630	1	41	17	62	3.880	0.232	24	20	0.879	0.030	2	0.048	153	0.055	6	0.010	28	0.232	60	15	14
1438	464300	7327850	15	34	23	1	1.950	5	24	11	0.548	1	18	6	42	7.630	0.153	10	7	0.487	0.021	2	0.041	13	0.065	6	0.015	18	0.310	113	15	10
1437	464350	7327850	18	33	44	1	3.810	5	33	13	1.020	1	111	23	154	11.500	0.065	32	15	0.715	0.035	3	0.023	59	0.097	7	0.041	55	0.541	110	33	13
1418	464350	7328400	20	47	12	1	2.170	5	32	6	0.468	1	43	8	37	4.120	0.104	24	12	0.474	0.023	2	0.040	13	0.028	6	0.011	23	0.338	87	15	16
1299	464350	7328100	5	49	27	1	2.580	10	52	5	0.639	1	57	10	44	2.930	0.263	27	16	0.820	0.026	1	0.056	23	0.073	7	0.016	26	0.176	56	16	16
1298	464400	7328100	5	43	34	1	1.500	5	39	4	0.711	1	58	9	29	2.190	0.209	25	10	0.555	0.029	1	0.047	20	0.123	5	0.010	25	0.135	43	13	17
1436	464400	7327850	5	63	50	1	3.340	8	109	5	0.932	1	62	10	58	2.790	0.584	37	25	1.240	0.028	1	0.073	40	0.112	10	0.010	37	0.221	80	30	25
1419	464400	7328400	18	109	31	1	3.340	5	56	7	0.710	1	267	26	50	5.480	0.155	104	24	0.747	0.132	2	0.048	39	0.111	13	0.010	34	0.248	86	10	79
1420	464450	7328400	11	69	39	1	2.430	12	53	6	0.702	1	130	16	41	4.260	0.206	27	20	0.809	0.069	3	0.049	26	0.063	6	0.011	28	0.220	68	20	17
1435	464450	7327850	11	68	79	1	2.690	5	80	6	0.827	1	137	17	48	4.230	0.426	35	20	1.010	0.051	2	0.063	47	0.110	9	0.010	33	0.198	70	23	25
1297	464450	7328100	5	58	78	1	3.440	5	120	10	1.090	1	158	51	105	7.940	0.821	51	34	1.780	0.184	3	0.022	90	0.175	6	0.011	63	0.404	65	28	18

Coordinates and analyses from the anomalous areas of Hallvarddalen, Artfjellet and Kjennsvatnet. 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	Ag	Al	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Sc	Si	Sr	%Ti	V	Zr	Y
Unit	m	m	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	0.01	5	1	0.20	0.01	1	10	1	1	0.01	0.01	1	1	0.01	0.20	1	0.02	2	0.01	0.20	0.01	2	0.01	1	1	0.20
1434	464500	7327850	5	82	57	1	3.780	5	105	7	0.848	1	76	13	63	4.840	0.573	39	26	1.430	0.035	1	0.072	36	0.106	9	0.010	33	0.234	81	27	23
1296	464500	7328100	20	26	21	1	1.820	5	35	6	0.551	1	43	5	43	4.460	0.109	37	6	0.287	0.013	1	0.030	12	0.027	6	0.015	23	0.385	113	16	18
1421	464500	7328400	29	27	7	1	1.110	5	82	6	0.283	1	47	3	21	4.420	0.305	25	3	0.167	0.015	1	0.029	5	0.013	3	0.014	18	0.339	151	27	6
1295	464550	7328100	5	82	34	1	2.650	5	84	4	0.860	1	42	11	77	2.890	0.314	30	31	1.370	0.020	1	0.060	30	0.104	8	0.010	26	0.297	103	9	17
1422	464550	7328400	11	58	33	1	2.200	5	43	5	0.886	1	125	19	45	3.550	0.125	58	18	0.805	0.087	2	0.048	25	0.158	11	0.010	32	0.229	62	13	38
1433	464550	7327850	12	21	8	1	1.930	5	19	6	0.302	1	21	3	37	4.160	0.076	12	5	0.249	0.013	1	0.030	6	0.038	6	0.011	15	0.291	82	13	9
1294	464600	7328100	5	70	50	1	2.590	5	87	5	0.939	1	94	23	65	3.920	0.335	49	25	1.210	0.052	2	0.062	37	0.114	10	0.010	29	0.279	91	13	39
1432	464600	7327850	8	81	40	1	2.310	5	49	6	0.696	1	78	13	40	3.550	0.246	32	17	0.785	0.037	2	0.052	28	0.137	7	0.013	25	0.150	52	16	17
1423	464600	7328400	6	33	22	1	1.680	5	27	5	0.511	1	56	5	29	3.150	0.121	23	7	0.403	0.018	1	0.043	13	0.064	6	0.011	22	0.199	70	12	19
1431	464650	7327850	11	29	15	1	2.050	5	18	6	0.557	1	28	4	28	3.710	0.068	15	5	0.283	0.021	1	0.036	8	0.103	5	0.012	22	0.173	70	11	12
1424	464650	7328400	8	51	28	1	2.580	5	39	6	0.549	1	55	8	51	4.510	0.198	28	14	0.764	0.023	1	0.046	25	0.034	8	0.010	23	0.197	60	15	18
1293	464700	7328100	5	45	24	1	1.910	5	28	3	0.594	1	49	8	34	2.310	0.151	24	9	0.528	0.025	1	0.045	20	0.098	6	0.021	22	0.131	39	14	14
1430	464700	7327850	13	75	53	1	2.310	5	52	7	0.775	1	78	12	47	3.930	0.278	31	13	0.786	0.048	1	0.055	30	0.136	8	0.022	28	0.175	60	24	18
1425	464700	7328400	7	44	21	1	2.550	5	24	4	0.638	1	47	7	42	3.140	0.121	26	8	0.450	0.022	2	0.041	17	0.140	8	0.104	22	0.138	48	15	16
1429	464750	7327850	19	36	22	1	1.820	5	18	6	0.371	1	25	5	32	4.880	0.057	17	4	0.199	0.026	1	0.032	13	0.093	5	0.047	17	0.222	98	12	8
1292	464750	7328100	20	64	26	1	2.050	5	24	8	0.354	1	17	8	34	7.690	0.087	11	9	0.494	0.017	1	0.038	23	0.039	4	0.012	23	0.387	168	27	7
1426	464750	7328400	5	37	21	1	3.620	5	29	8	0.452	1	40	6	59	6.540	0.128	18	10	0.481	0.018	1	0.047	14	0.056	10	0.075	20	0.210	68	25	18
1427	464800	7328400	11	66	51	1	2.280	5	55	6	0.716	1	118	15	39	3.350	0.266	25	17	0.780	0.045	1	0.054	33	0.115	7	0.010	27	0.160	54	16	16
1428	464800	7327850	14	57	33	1	1.990	5	31	5	0.718	1	67	10	35	3.780	0.152	27	10	0.509	0.034	1	0.044	22	0.153	6	0.011	24	0.135	44	13	16
1291	464800	7328100	6	64	48	1	1.610	5	55	3	0.935	1	97	15	26	2.430	0.275	40	13	0.597	0.048	1	0.057	39	0.150	7	0.010	34	0.134	40	23	24