

THEMATIC MAP SERIES

Regional Geoscience Compilations

Thematic Map Series No. 94/1 (part B)

Kap Farvel – Ivittuut,
South Greenland



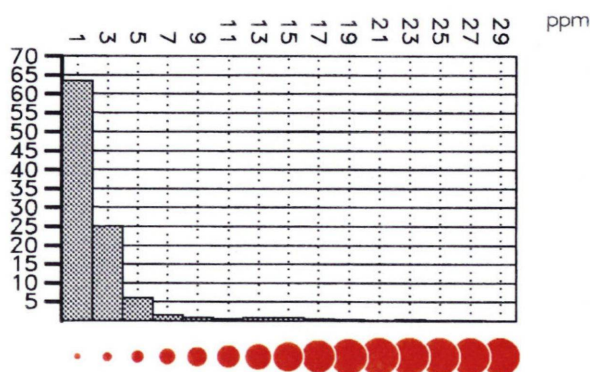
GRØNLANDS GEOLOGISKE UNDERSØGELSE
Kalaallit Nunaanni Ujarassioqarfiat
GEOLOGICAL SURVEY OF GREENLAND

GEOCHEMICAL MAP: Ta IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Ta ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	2240
Min. value:	0
Max. value:	49
Mean:	2
Median:	0
Variance:	14
Std. Dev.:	4

DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

mineralogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Dot plot illustrating element concentrations at sample sites. Scaling of dot size selected in each case to suppress noise at low concentration levels and enhance anomalous areas or regional features.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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The Geological Survey of Greenland
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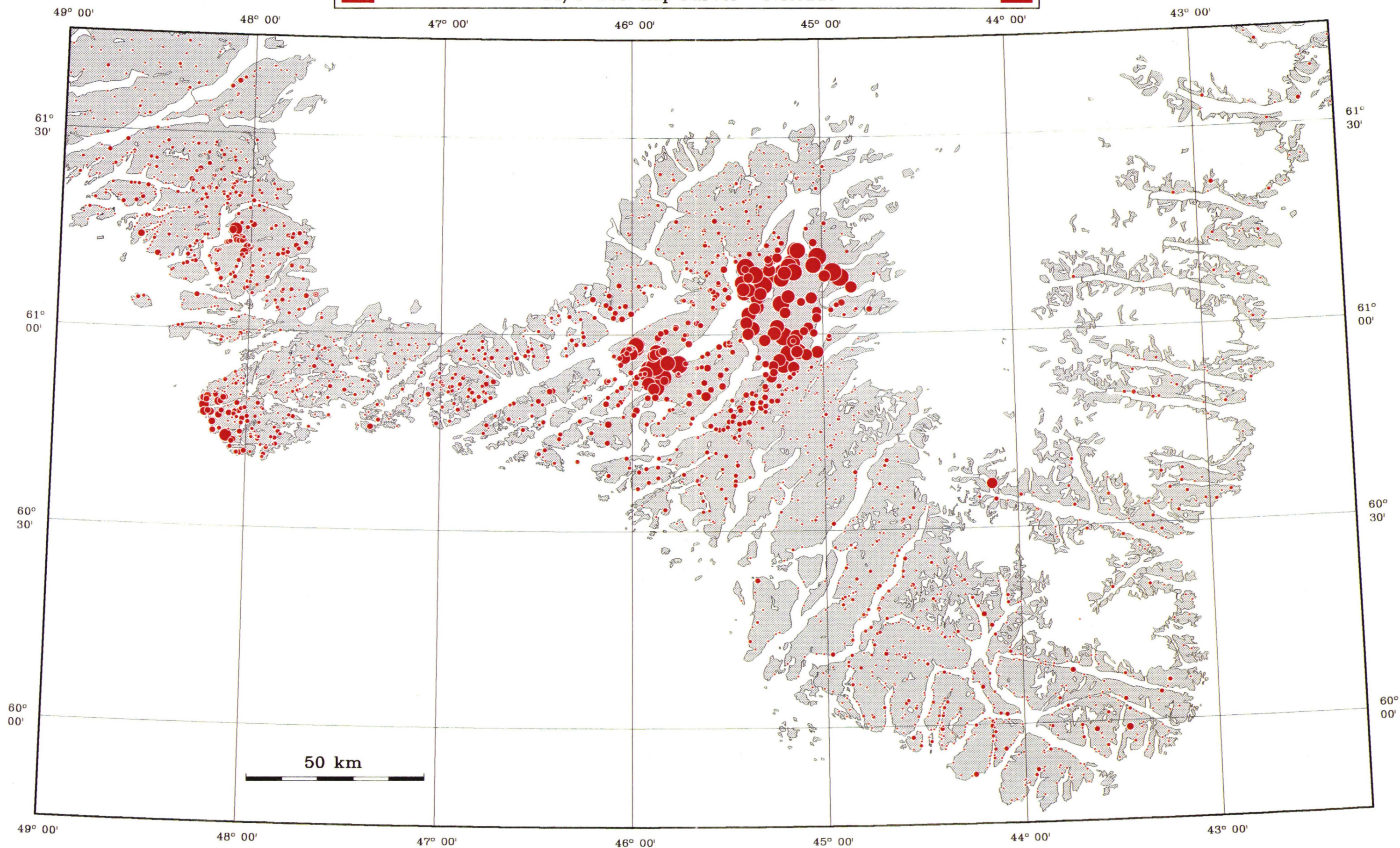




GEOCHEMICAL MAP : Ta IN STREAM SEDIMENT

94/1-228: Kap Farvel - Ivittuut

01-JUN-94

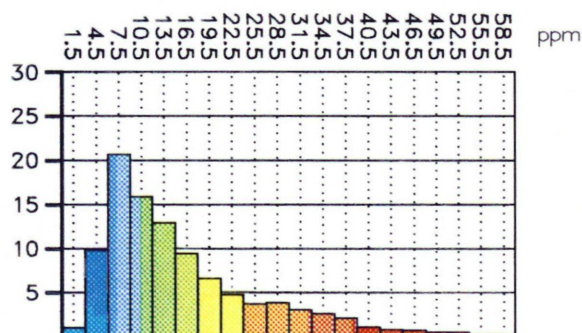


GEOCHEMICAL MAP: Th IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



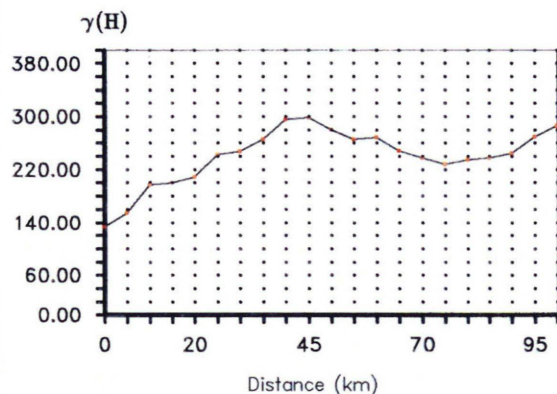
CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

ABOVE	99
38.4 – 48.8	98
32.3 – 38.4	95
23.8 – 32.3	90
18.3 – 23.8	80
15.1 – 18.3	70
12.7 – 15.1	60
10.6 – 12.7	50
10.4 – 10.6	40
7.3 – 10.4	39
5.9 – 7.3	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Th ppm	
Number of samples:	2240
Min. value:	1.1
Max. value:	270.0
Mean:	16.6
Median:	11.0
Variance:	288.9
Std. Dev.:	17.0

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps. Permission No: KMS A.200/87

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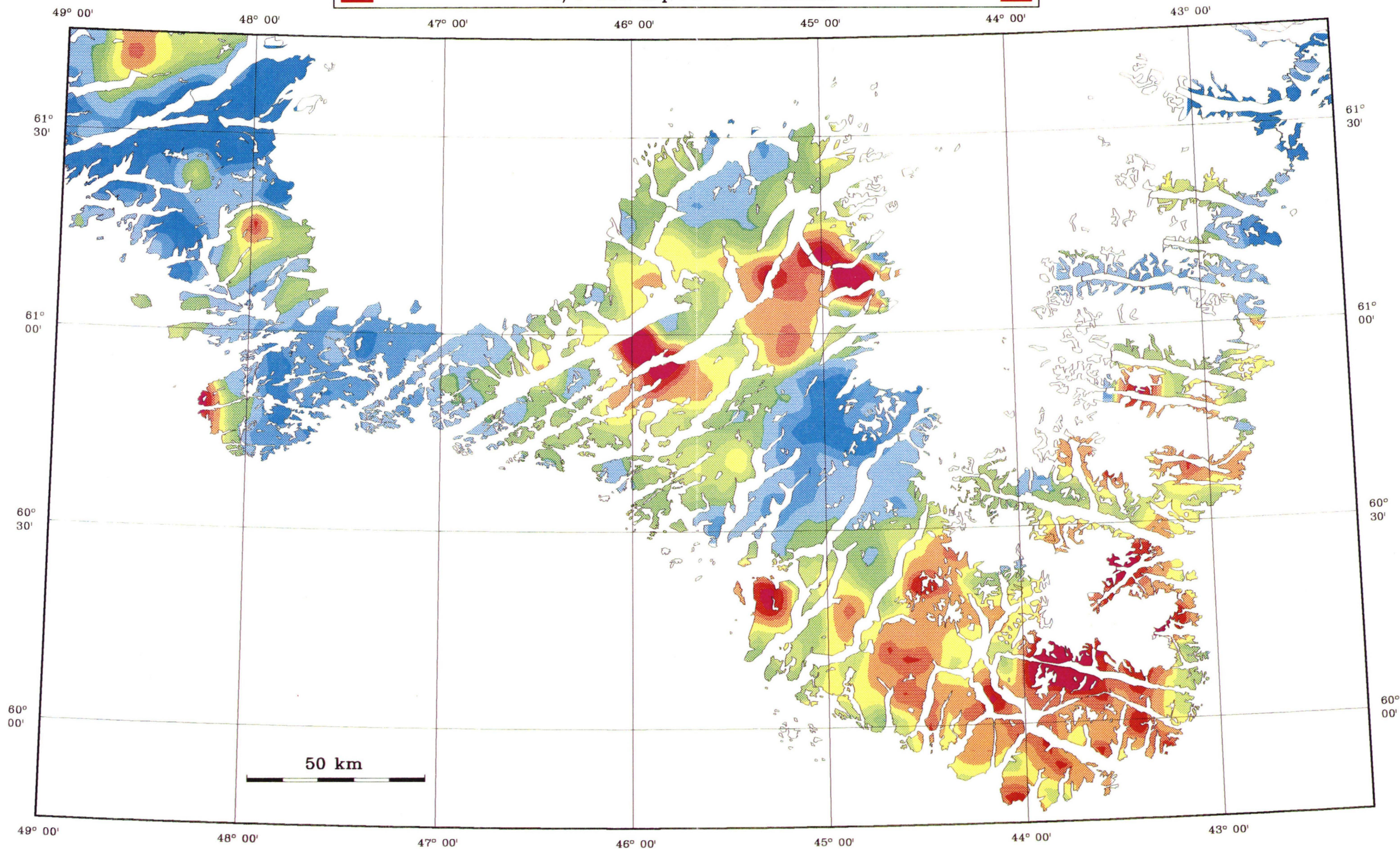




GEOCHEMICAL MAP : Th IN STREAM SEDIMENT

94/1-229: Kap Farvel - Ivittuut

01-JUN-94

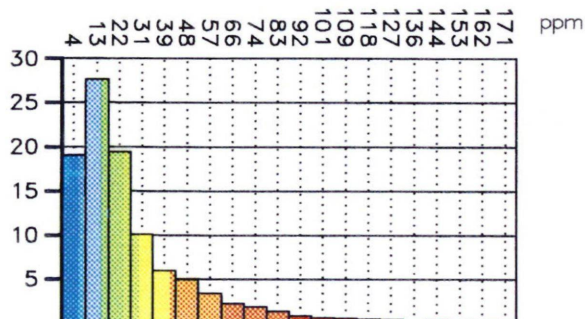


GEOCHEMICAL MAP: U IN STREAM SEDIMENT

Kap Farvel - Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



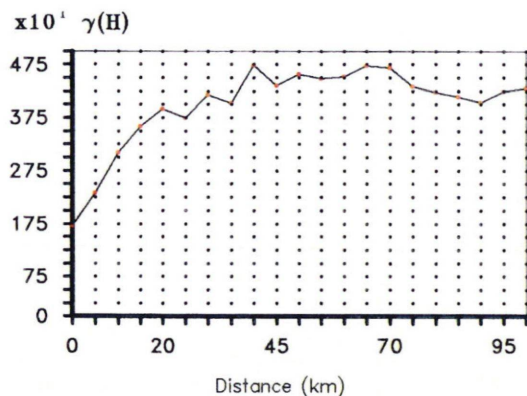
CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

ABOVE	99
88.8 - 140.6	98
63.1 - 88.8	95
41.7 - 63.1	90
29.9 - 41.7	80
23.5 - 29.9	70
19.0 - 23.5	60
15.2 - 19.0	50
14.9 - 15.2	40
9.1 - 14.9	39
6.2 - 9.1	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

U ppm	
Number of samples:	2240
Min. value:	0
Max. value:	1400
Mean:	32
Median:	14
Variance:	4081
Std. Dev.:	64

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3-10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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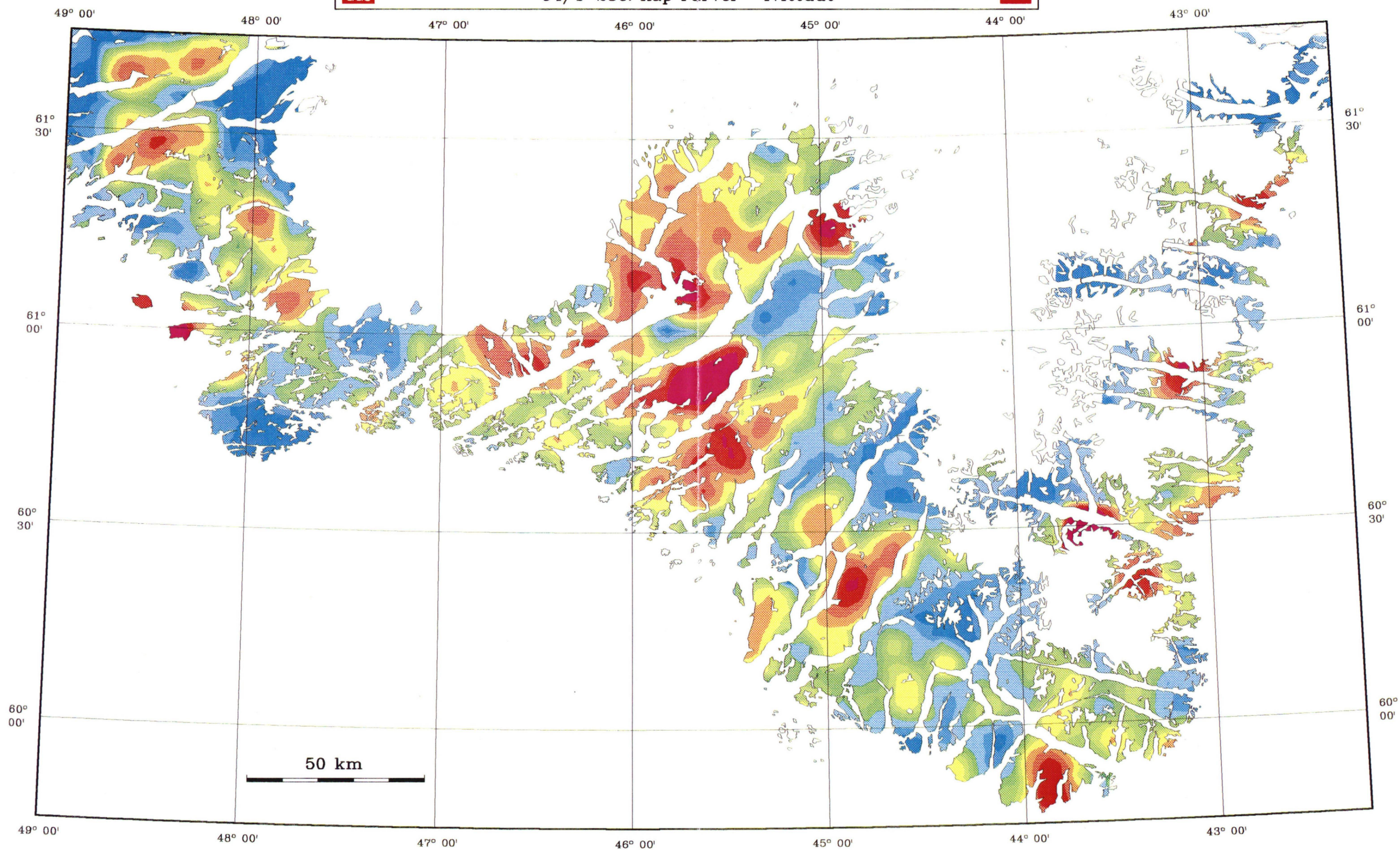




GEOCHEMICAL MAP : U IN STREAM SEDIMENT

94/1-230: Kap Farvel - Ivittuut

01-JUN-94

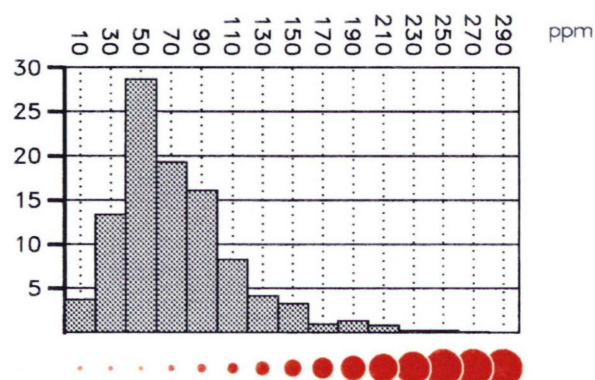


GEOCHEMICAL MAP: V IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



V ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1195
Min. value:	0
Max. value:	387
Mean:	73
Median:	64
Variance:	1680
Std. Dev.:	41

DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

- 1979 survey average: 1 per 6 km²
- 1992 survey average: 1 per 50 km²
- 1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

- 1979 survey: XRF at GGU
- 1992 survey: XRF at Actlabs
- 1993 survey: XRF at GGU

DATA PROCESSING

Dot plot illustrating element concentrations at sample sites. Scaling of dot size selected in each case to suppress noise at low concentration levels and enhance anomalous areas or regional features.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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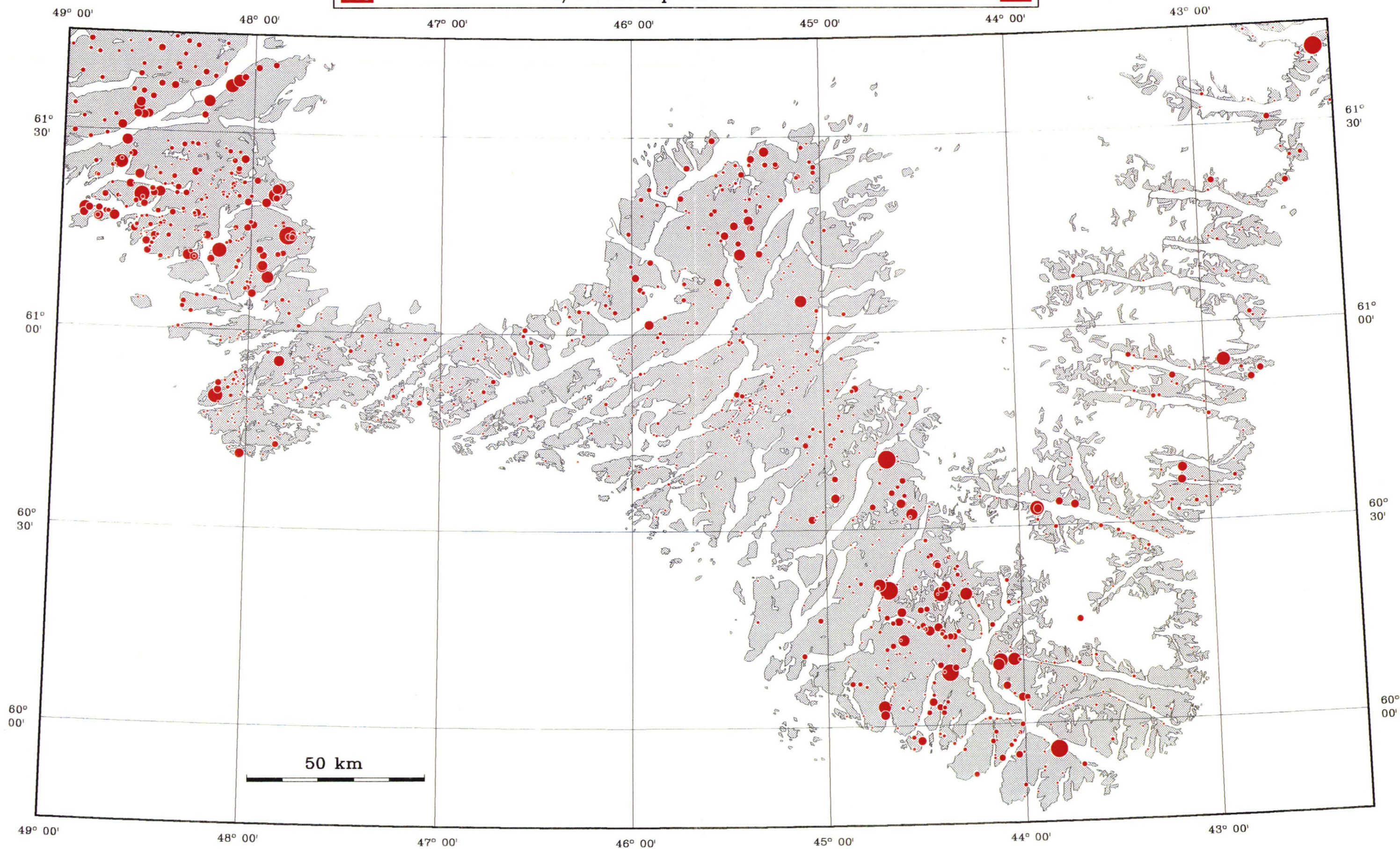




GEOCHEMICAL MAP : V IN STREAM SEDIMENT

94/1-231: Kap Farvel - Ivittuut

01-JUN-94

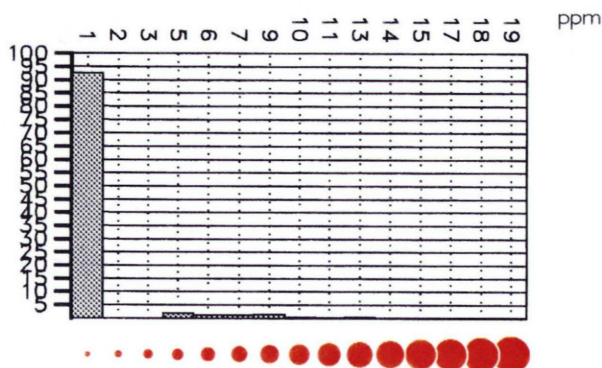


GEOCHEMICAL MAP: W IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples: 2240
Min. value: 0
Max. value: 64
Mean: 1
Median: 0
Variance: 12
Std. Dev.: 4

DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Dot plot illustrating element concentrations at sample sites. Scaling of dot size selected in each case to suppress noise at low concentration levels and enhance anomalous areas or regional features.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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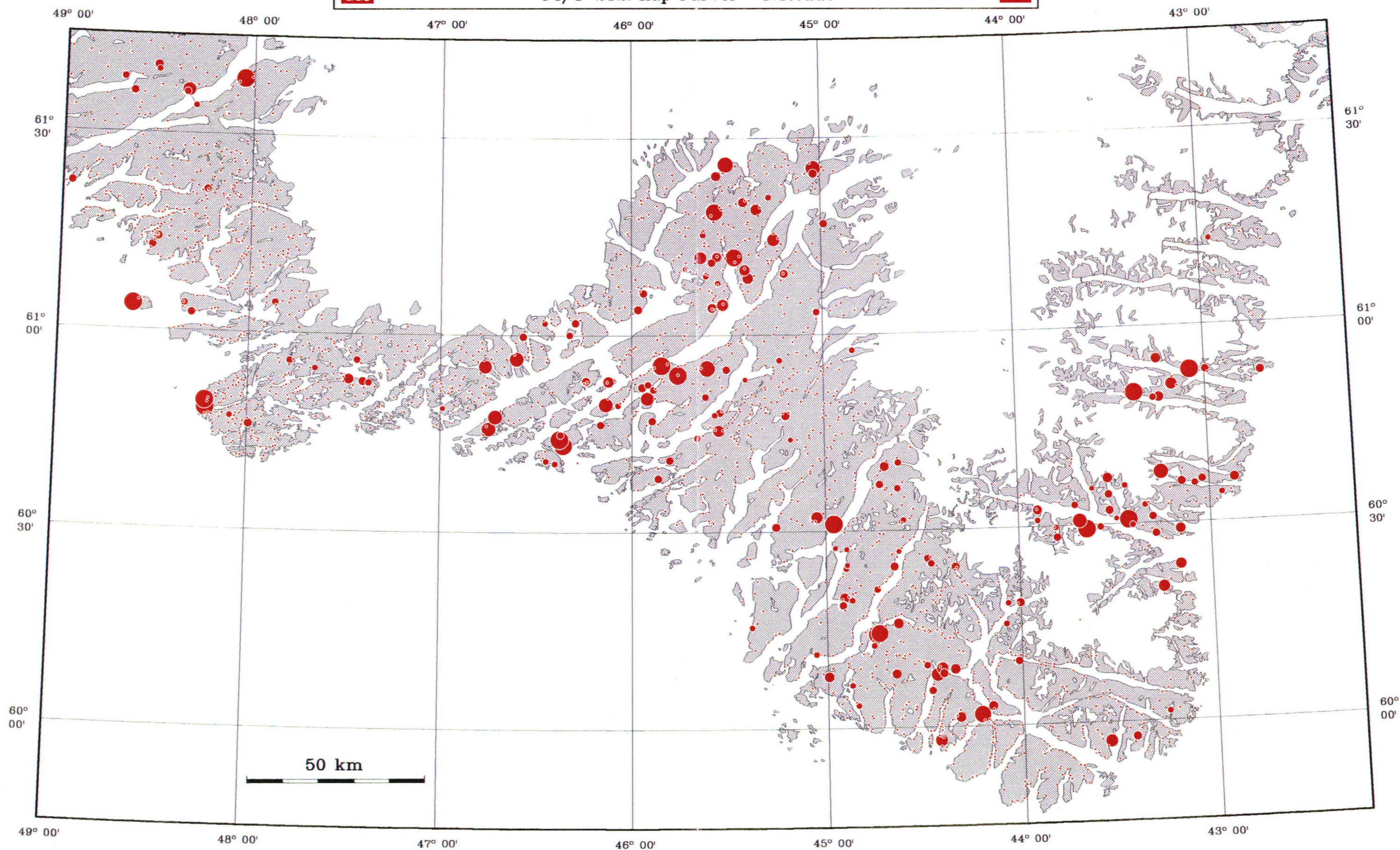




GEOCHEMICAL MAP : W IN STREAM SEDIMENT

94/1-232: Kap Farvel - Ivittuut

01-JUN-94

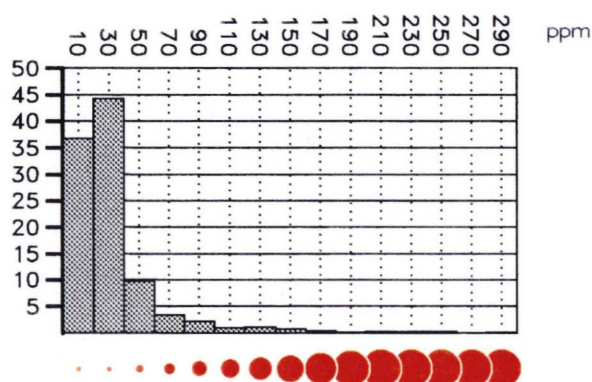


GEOCHEMICAL MAP: Y IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Y ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	2379
Min. value:	0
Max. value:	335
Mean:	32
Median:	23
Variance:	1086
Std. Dev.:	33

DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²
1992 survey average: 1 per 50 km²
1993 survey average: 1 per 20 km²

Sample type:

minerogetic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: XRF at Risø
1992 survey: XRF at Actlabs
1993 survey: XRF at Actlabs

DATA PROCESSING

Dot plot illustrating element concentrations at sample sites. Scaling of dot size selected in each case to suppress noise at low concentration levels and enhance anomalous areas or regional features.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1.000.000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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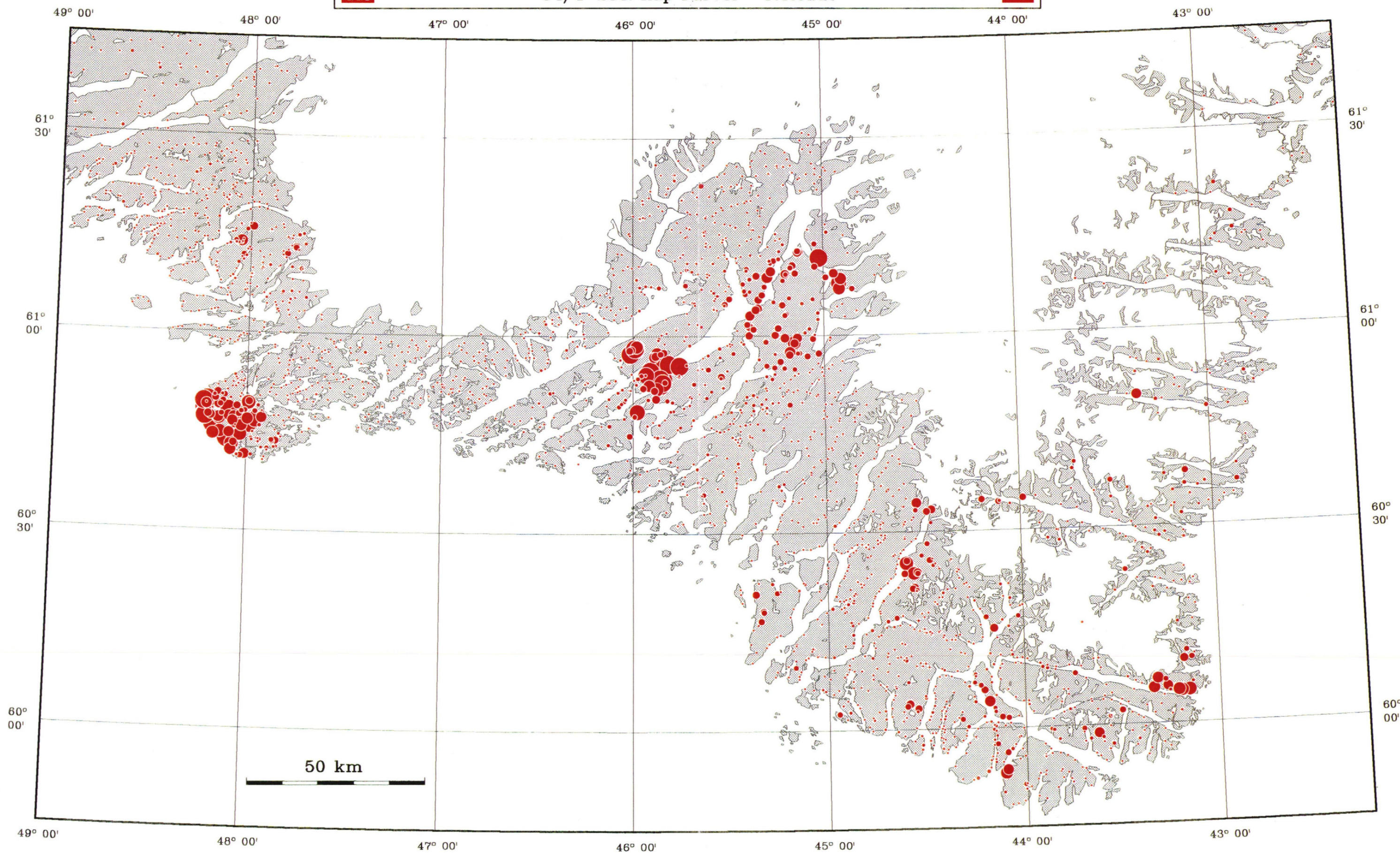




GEOCHEMICAL MAP : Y IN STREAM SEDIMENT

94/1-233: Kap Farvel - Ivittuut

01-JUN-94

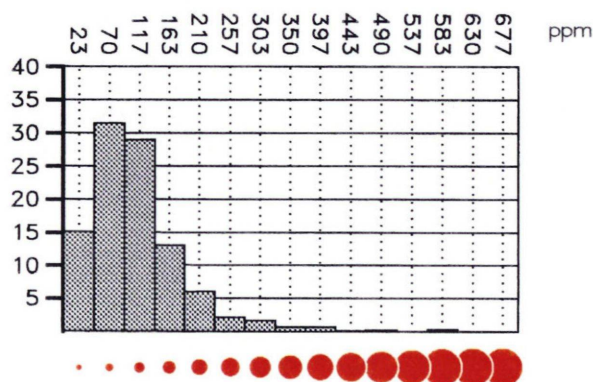


GEOCHEMICAL MAP: Zn IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Zn ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1196
Min. value:	0
Max. value:	1692
Mean:	119
Median:	98
Variance:	14348
Std. Dev.:	120

DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogetic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: XRF at GGU

1992 survey: XRF at Actlabs

1993 survey: XRF at Actlabs

DATA PROCESSING

Dot plot illustrating element concentrations at sample sites. Scaling of dot size selected in each case to suppress noise at low concentration levels and enhance anomalous areas or regional features.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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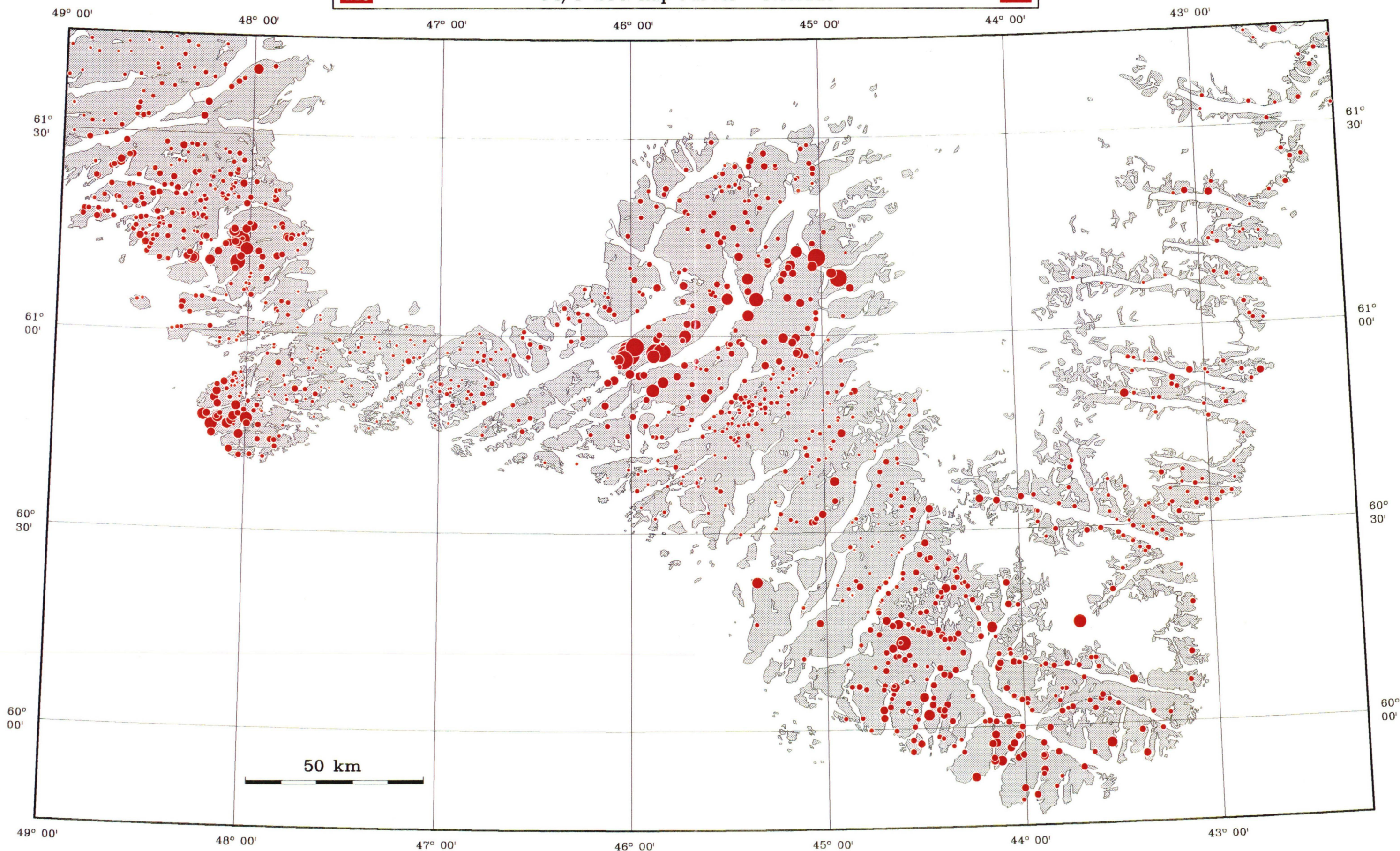




GEOCHEMICAL MAP : Zn IN STREAM SEDIMENT

94/1-234: Kap Farvel - Ivittuut

01-JUN-94

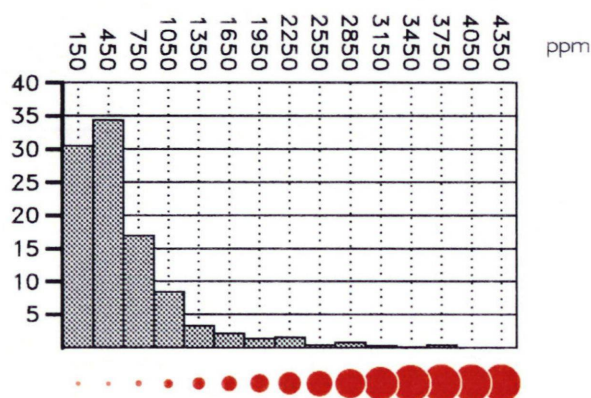


GEOCHEMICAL MAP: Zr IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Zr ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1196
Min. value:	0
Max. value:	6077
Mean:	611
Median:	454
Variance:	326191
Std. Dev.:	571

DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: XRF at GGU

1992 survey: XRF at Actlabs

1993 survey: XRF at Actlabs

DATA PROCESSING

Dot plot illustrating element concentrations at sample sites. Scaling of dot size selected in each case to suppress noise at low concentration levels and enhance anomalous areas or regional features.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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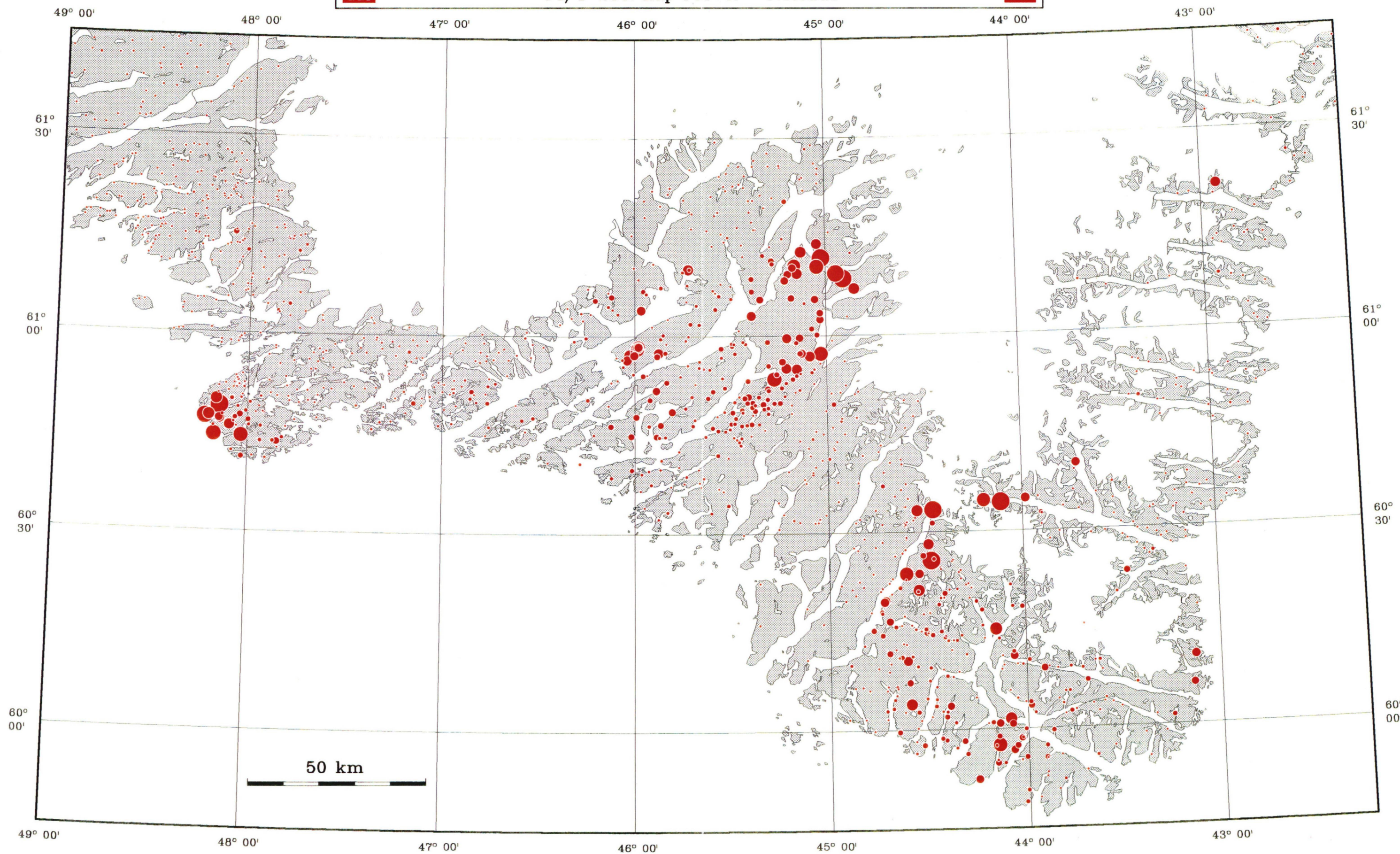




GEOCHEMICAL MAP : Zr IN STREAM SEDIMENT

94/1-235: Kap Farvel - Ivittuut

01-JUN-94

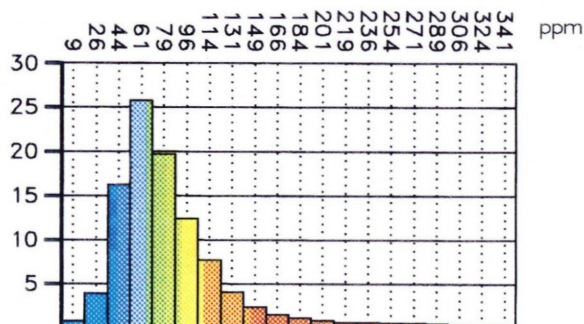


GEOCHEMICAL MAP: La IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

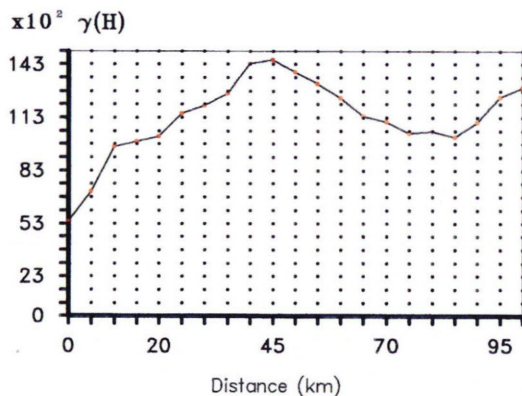
ABOVE	99
212 – 311	98
146 – 212	95
110 – 146	90
93 – 110	80
82 – 93	70
73 – 82	60
66 – 73	50
66 – 66	40
52 – 66	39
43 – 52	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

La ppm

Number of samples:	2240
Min. value:	6
Max. value:	1300
Mean:	101
Median:	72
Variance:	11181
Std. Dev.:	106

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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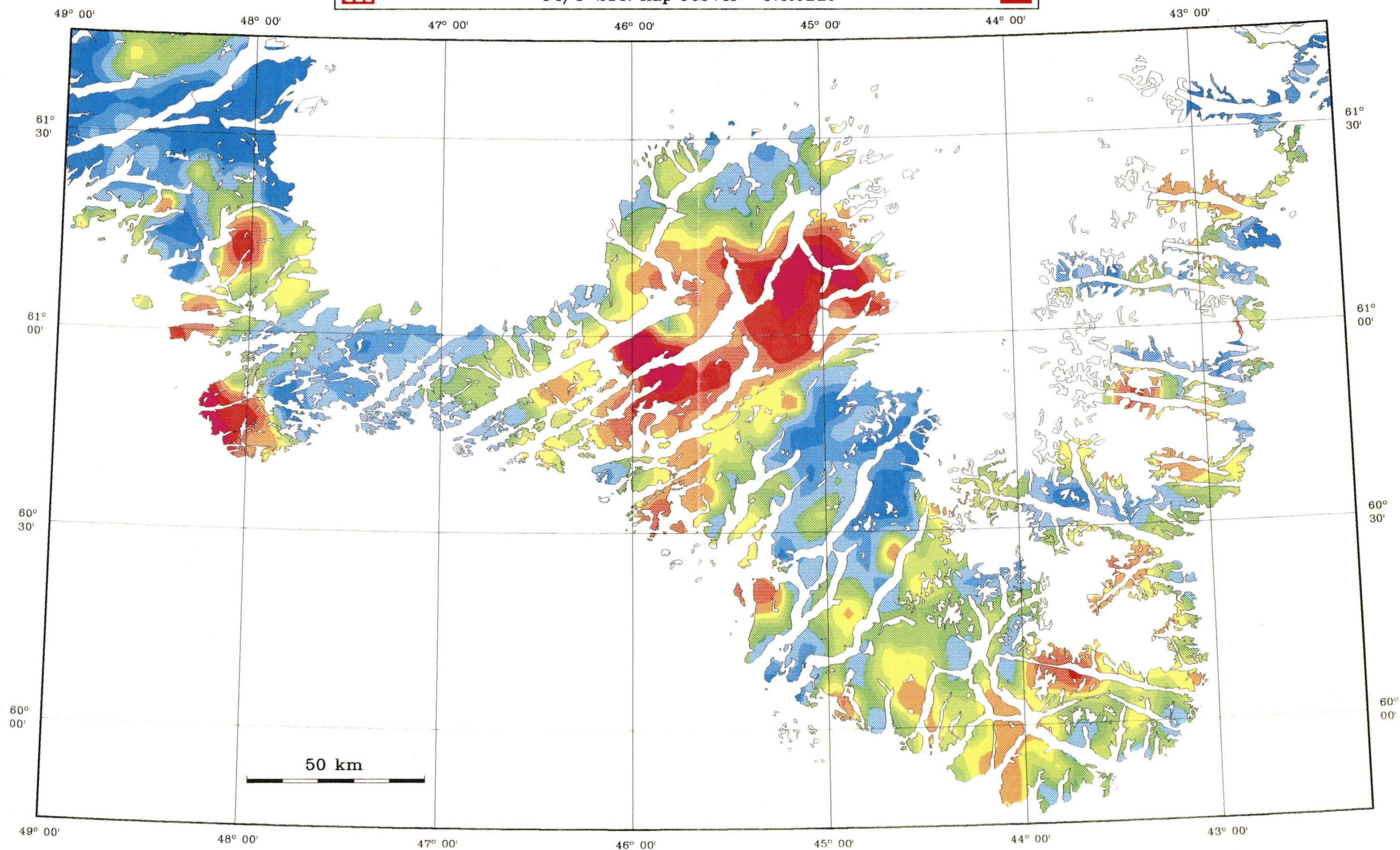




GEOCHEMICAL MAP : La IN STREAM SEDIMENT

94/1-236: Kap Farvel - Ivittuut

01-JUN-94

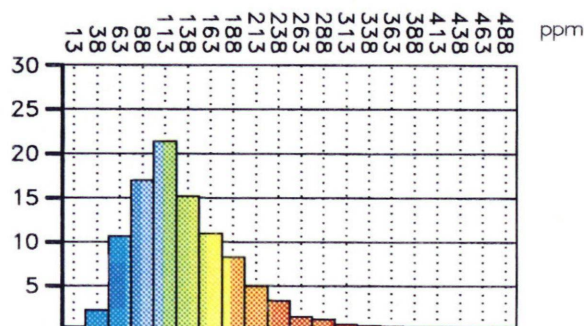


GEOCHEMICAL MAP: Ce IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

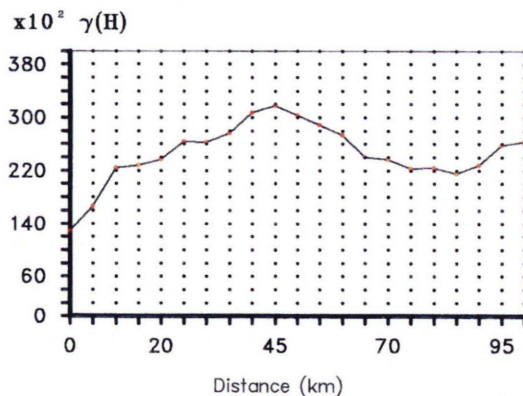
ABOVE	99
296 - 475	98
231 - 296	95
185 - 231	90
159 - 185	80
140 - 159	70
124 - 140	60
112 - 124	50
110 - 112	40
86 - 110	39
70 - 86	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Ce ppm

Number of samples:	2240
Min. value:	13
Max. value:	1800
Mean:	164
Median:	120
Variance:	24882
Std. Dev.:	158

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogetic sediment from stream bed or bank as composite of 3-10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps. Permission No: KMS A.200/87

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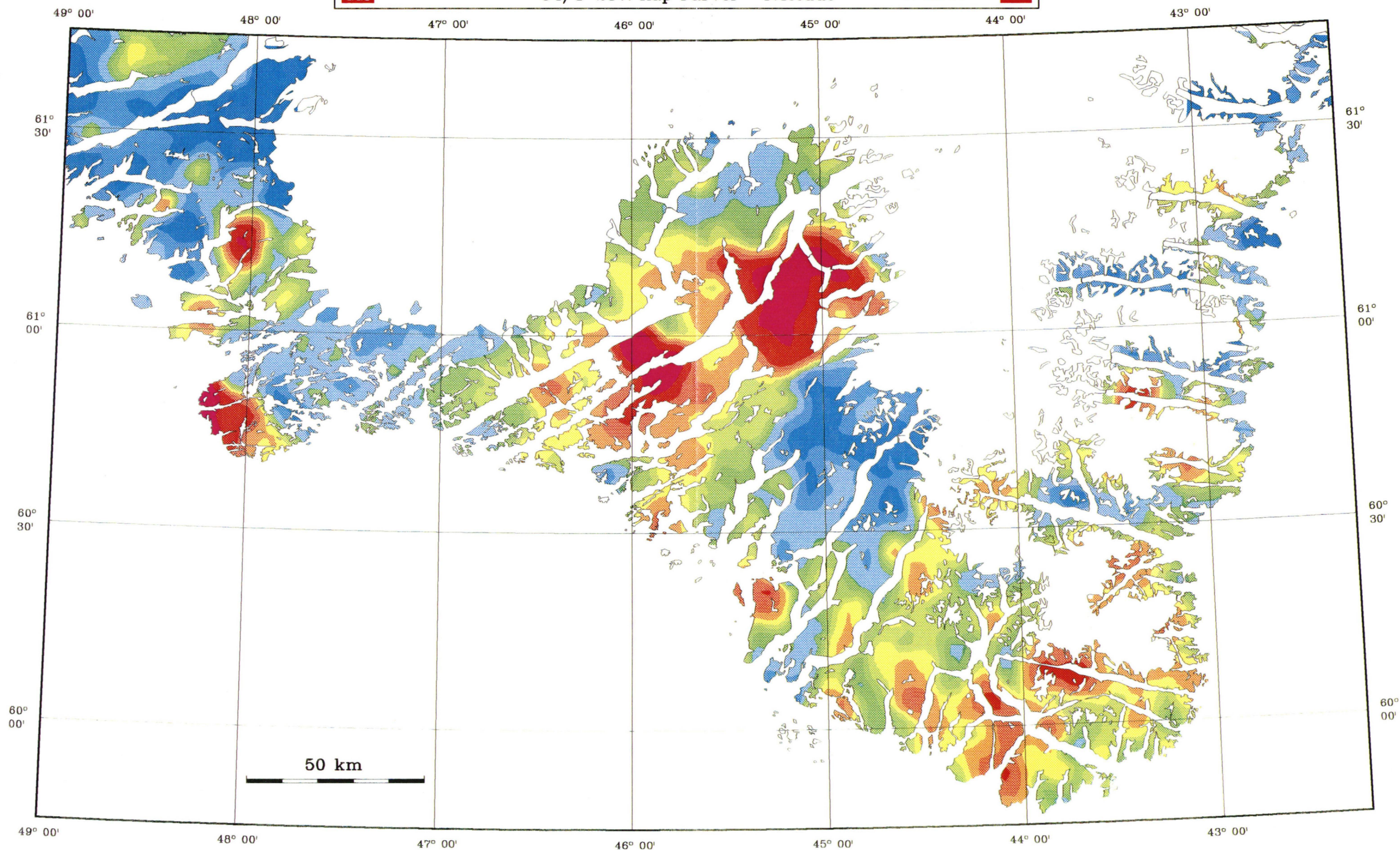




GEOCHEMICAL MAP : Ce IN STREAM SEDIMENT

94/1-237: Kap Farvel - Ivittuut

01-JUN-94

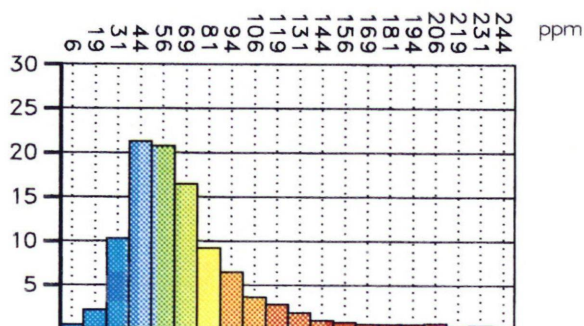


GEOCHEMICAL MAP: Nd IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

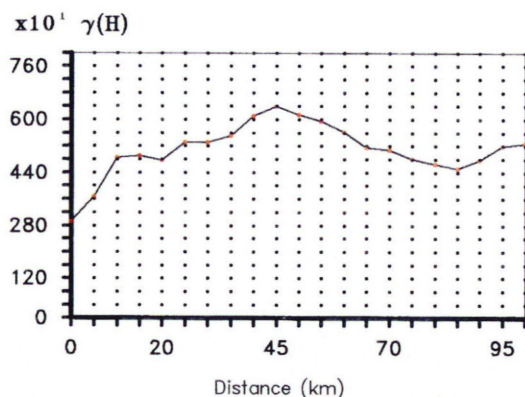
ABOVE	99
146 – 205	98
114 – 146	95
88 – 114	90
74 – 88	80
66 – 74	70
60 – 66	60
54 – 60	50
53 – 54	40
43 – 53	39
35 – 43	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Nd ppm

Number of samples:	2240
Min. value:	1
Max. value:	1000
Mean:	79
Median:	59
Variance:	5153
Std. Dev.:	72

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

- 1979 survey average: 1 per 6 km²
- 1992 survey average: 1 per 50 km²
- 1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

- 1979 survey: INA at Actlabs
- 1992 survey: INA at Actlabs
- 1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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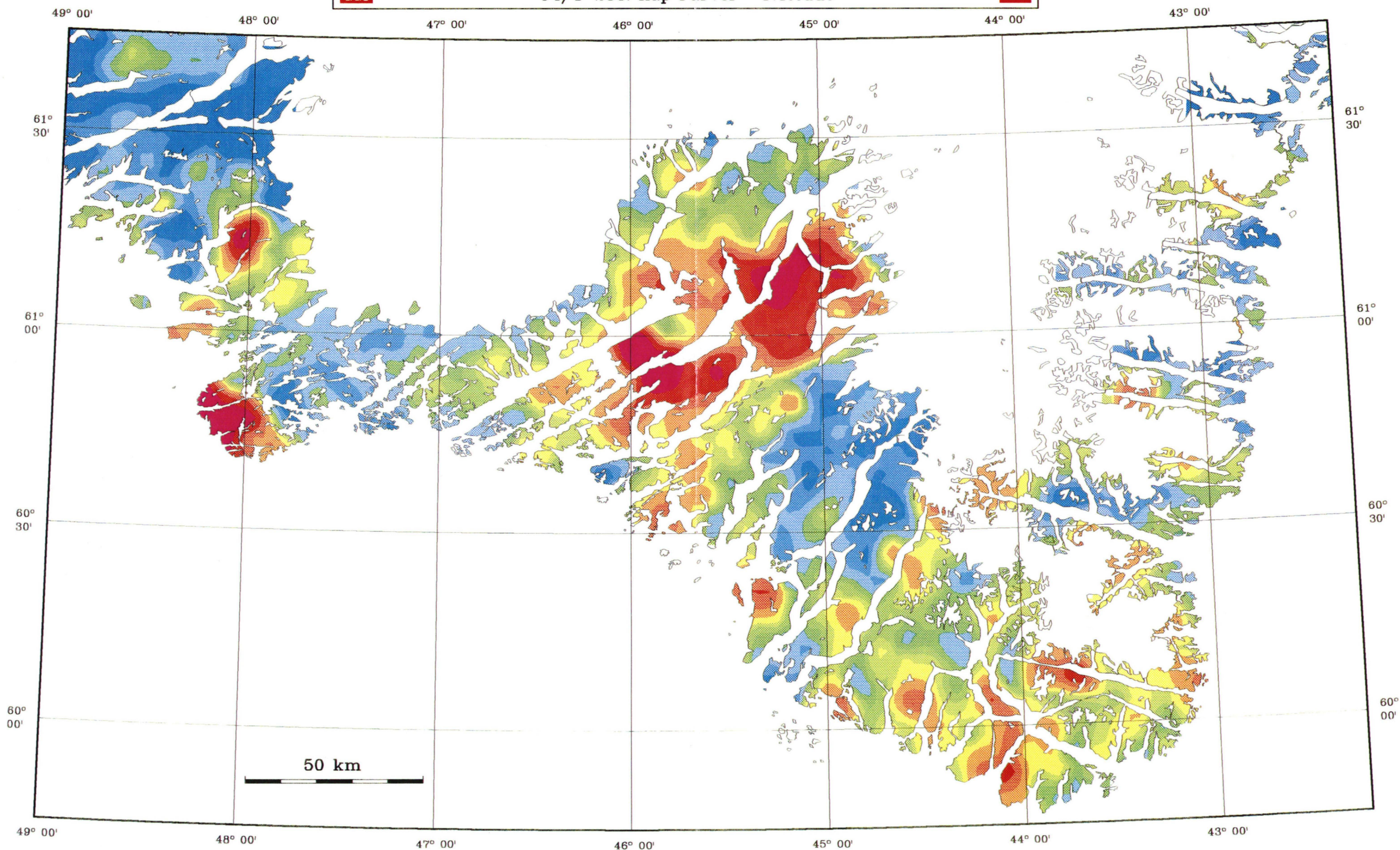




GEOCHEMICAL MAP : Nd IN STREAM SEDIMENT

94/1-238: Kap Farvel - Ivittuut

01-JUN-94

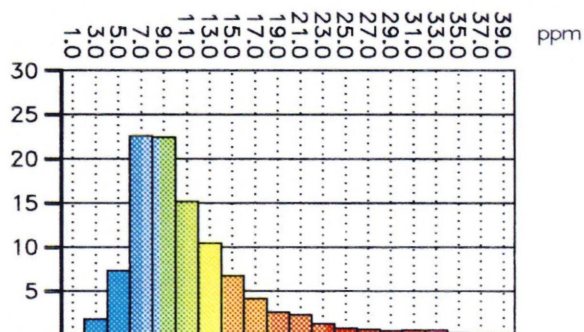


GEOCHEMICAL MAP: Sm IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

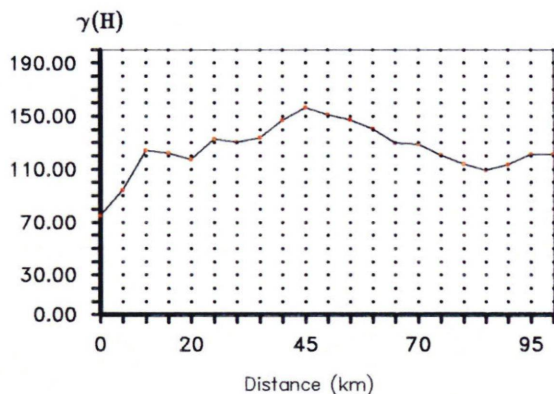
ABOVE	99
23.3 – 32.5	98
18.4 – 23.3	95
14.3 – 18.4	90
12.3 – 14.3	80
10.8 – 12.3	70
9.6 – 10.8	60
8.7 – 9.6	50
8.6 – 8.7	40
7.1 – 8.6	39
6.1 – 7.1	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Sm ppm

Number of samples:	2240
Min. value:	2.0
Max. value:	170.0
Mean:	12.8
Median:	9.6
Variance:	127.7
Std. Dev.:	11.3

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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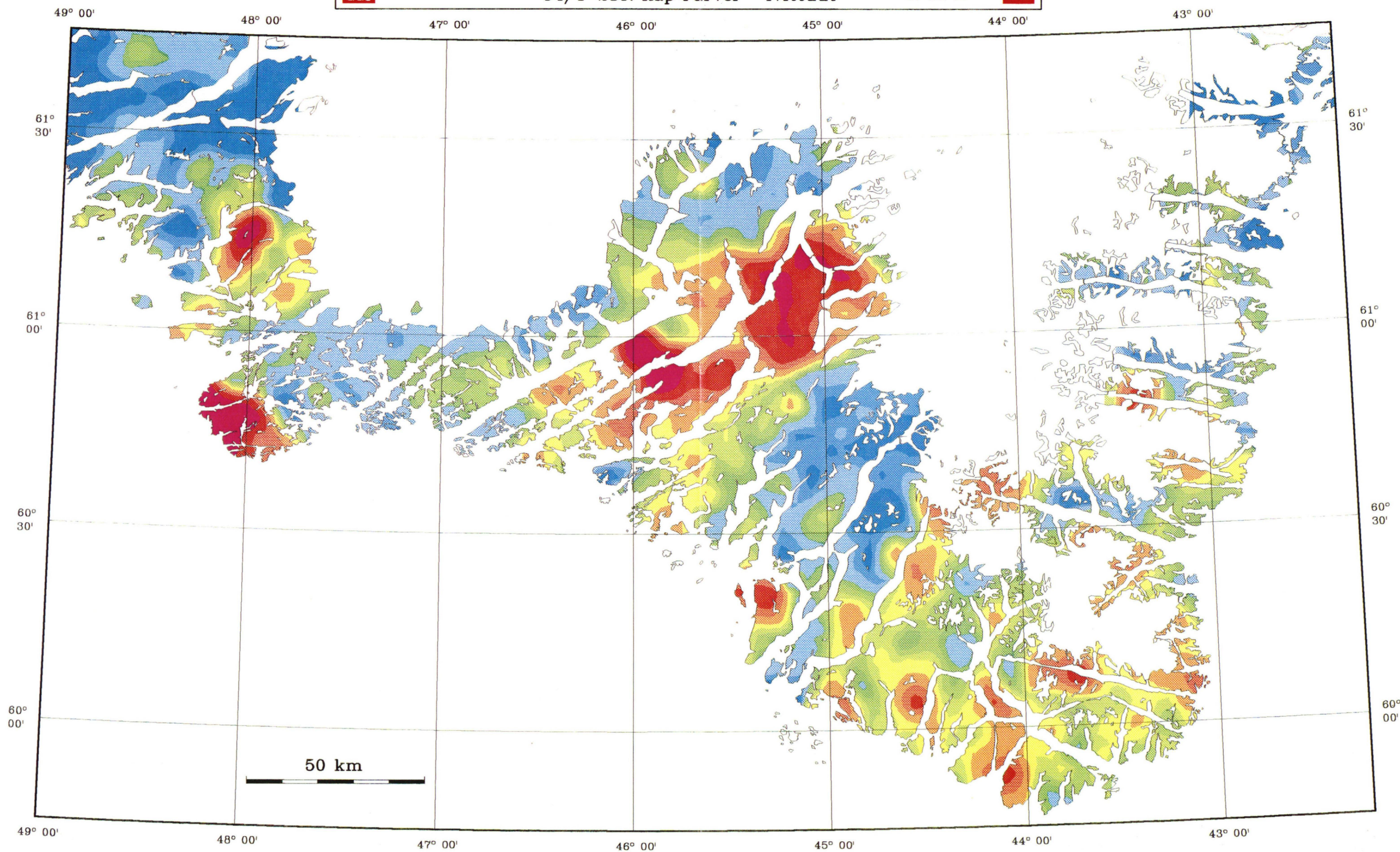




GEOCHEMICAL MAP : Sm IN STREAM SEDIMENT

94/1-239: Kap Farvel - Ivittuut

01-JUN-94

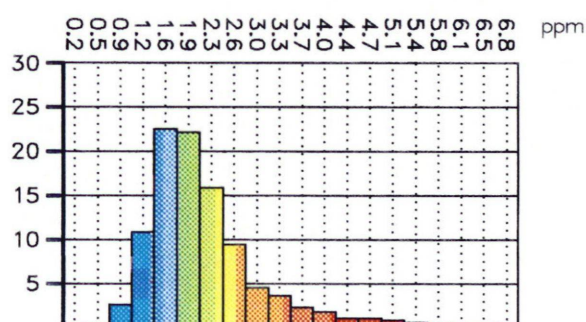


GEOCHEMICAL MAP: Eu IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

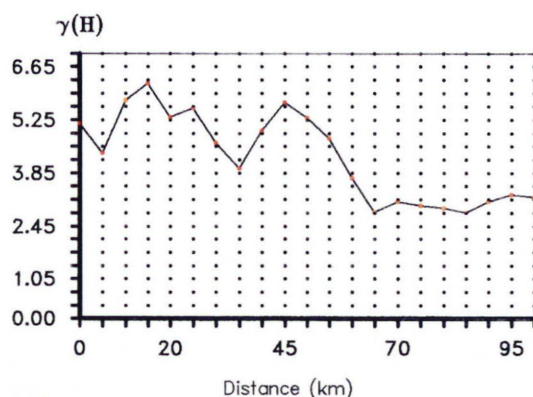
ABOVE	99
4.1 – 5.2	98
3.4 – 4.1	95
2.7 – 3.4	90
2.3 – 2.7	80
2.1 – 2.3	70
2.0 – 2.1	60
1.8 – 2.0	50
1.8 – 1.8	40
1.5 – 1.8	39
1.3 – 1.5	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Eu ppm

Number of samples:	2240
Min. value:	0.0
Max. value:	60.4
Mean:	2.4
Median:	1.9
Variance:	4.4
Std. Dev.:	2.1

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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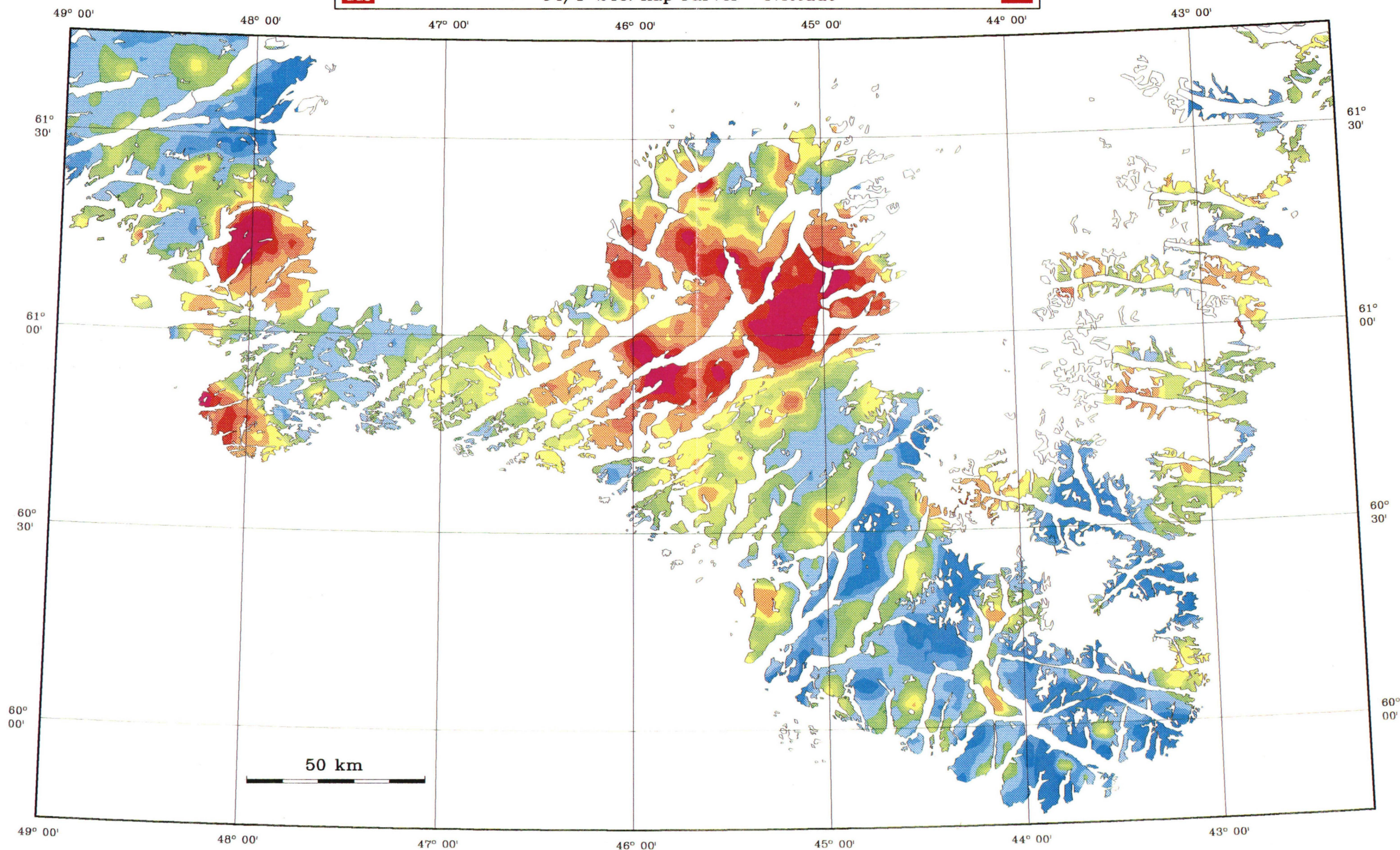




GEOCHEMICAL MAP : Eu IN STREAM SEDIMENT

94/1-240: Kap Farvel - Ivittuut

01-JUN-94

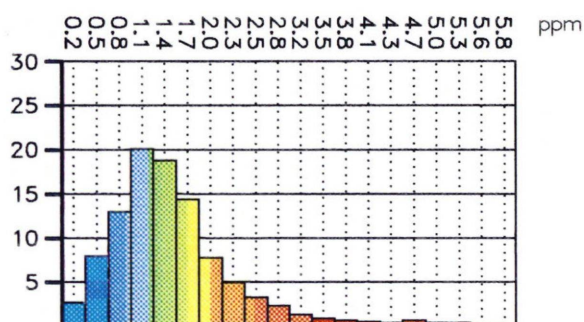


GEOCHEMICAL MAP: Tb IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

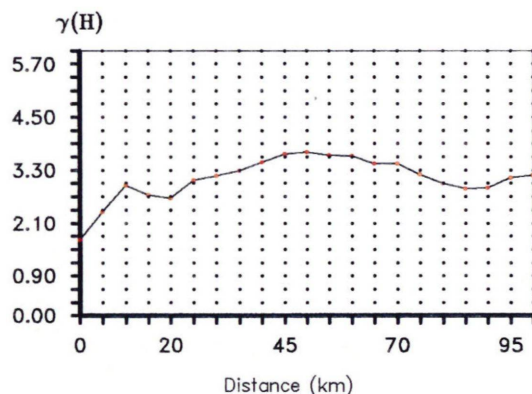
ABOVE	99
3.3 – 4.9	98
2.5 – 3.3	95
1.9 – 2.5	90
1.7 – 1.9	80
1.5 – 1.7	70
1.3 – 1.5	60
1.2 – 1.3	50
1.1 – 1.2	40
0.8 – 1.1	39
0.6 – 0.8	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Tb ppm

Number of samples:	2240
Min. value:	0.0
Max. value:	22.0
Mean:	1.7
Median:	1.4
Variance:	3.3
Std. Dev.:	1.8

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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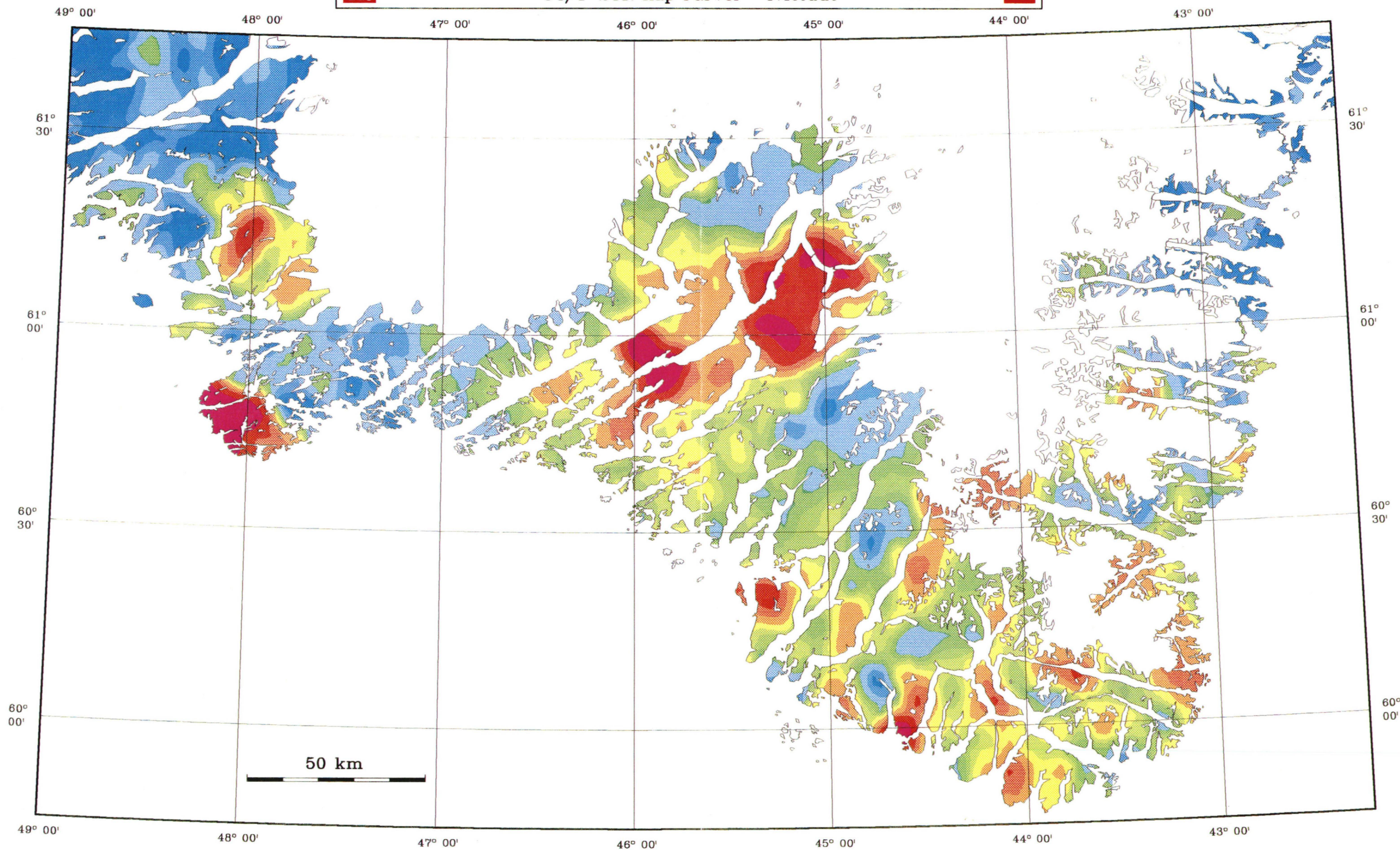




GEOCHEMICAL MAP : Tl IN STREAM SEDIMENT

94/1-241: Kap Farvel - Ivittuut

01-JUN-94

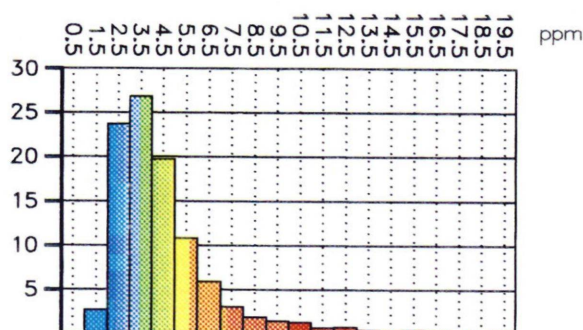


GEOCHEMICAL MAP: Yb IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

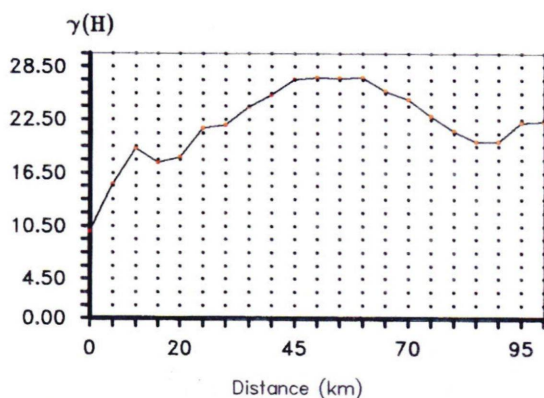
ABOVE	99
10.0 – 14.0	98
7.4 – 10.0	95
5.7 – 7.4	90
4.8 – 5.7	80
4.3 – 4.8	70
3.9 – 4.3	60
3.5 – 3.9	50
3.5 – 3.5	40
2.8 – 3.5	39
2.4 – 2.8	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Yb ppm

Number of samples:	2240
Min. value:	0.9
Max. value:	60.4
Mean:	4.9
Median:	3.6
Variance:	23.0
Std. Dev.:	4.8

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

1979 survey average: 1 per 6 km²

1992 survey average: 1 per 50 km²

1993 survey average: 1 per 20 km²

Sample type:

minerogetic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

1979 survey: INA at Actlabs

1992 survey: INA at Actlabs

1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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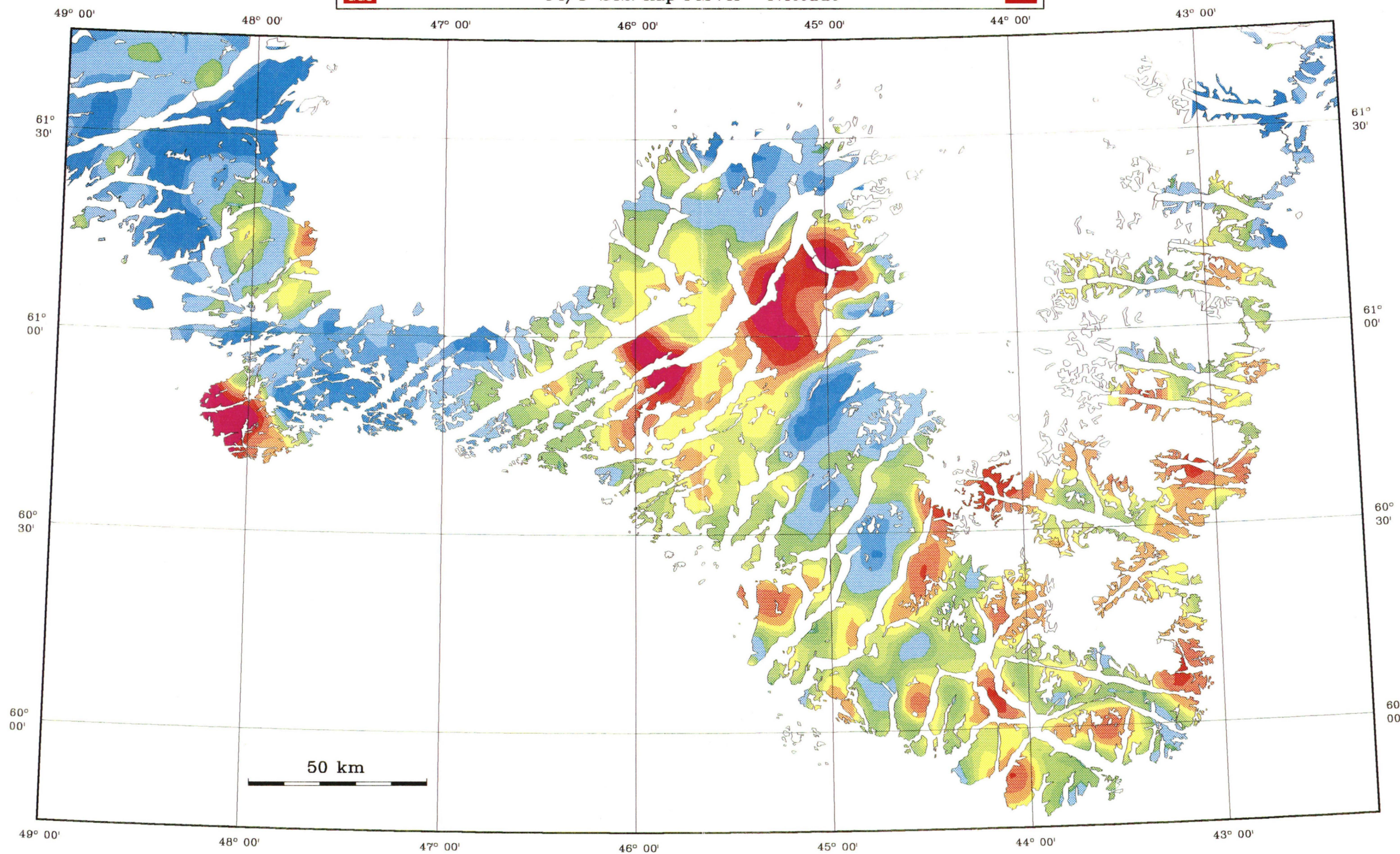




GEOCHEMICAL MAP : Yb IN STREAM SEDIMENT

94/1-242: Kap Farvel - Ivittuut

01-JUN-94

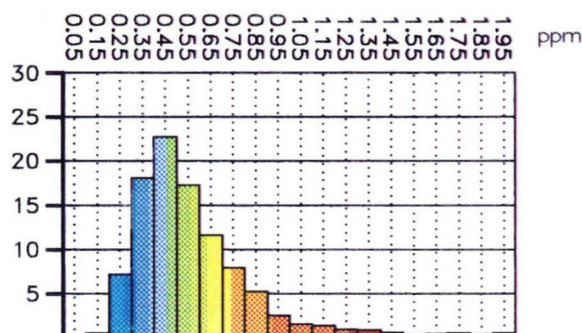


GEOCHEMICAL MAP: Lu IN STREAM SEDIMENT

Kap Farvel – Ivittuut

Compiled by Agnete Steenfelt

FREQUENCY DISTRIBUTION OF GRID VALUES



CONTOUR INTERVALS AND PERCENTILES OF GRID VALUES

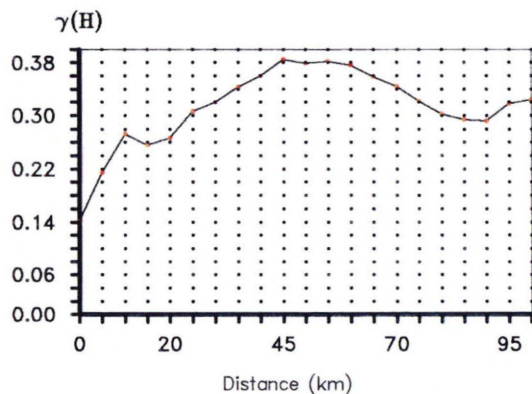
ABOVE	99
1.26 – 1.80	98
0.92 – 1.26	95
0.74 – 0.92	90
0.64 – 0.74	80
0.57 – 0.64	70
0.51 – 0.57	60
0.46 – 0.51	50
0.46 – 0.46	40
0.38 – 0.46	39
0.32 – 0.38	20
BELOW	10

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Lu ppm

Number of samples:	2240
Min. value:	0.05
Max. value:	6.35
Mean:	0.63
Median:	0.48
Variance:	0.32
Std. Dev.:	0.57

SEMI-VARIOGRAM



DATA SOURCE

Stream sediment surveys carried out by the Geological Survey of Greenland in 1979, 1992 (east coast N of 60° 30') and 1993 (west coast N of 61° 30').

SURVEY SPECIFICATIONS

Sample density:

- 1979 survey average: 1 per 6 km²
- 1992 survey average: 1 per 50 km²
- 1993 survey average: 1 per 20 km²

Sample type:

minerogenic sediment from stream bed or bank as composite of 3–10 subsamples

Size fraction:

< 0.1 mm dry-sieved in laboratory

Method and laboratory:

- 1979 survey: INA at Actlabs
- 1992 survey: INA at Actlabs
- 1993 survey: INA at Actlabs

DATA PROCESSING

Colour contouring based on 2.5 km x 2.5 km grid. Grid values obtained by the Kriging method using a search radius of 7.5 km. Colour scale based on the percentiles of grid values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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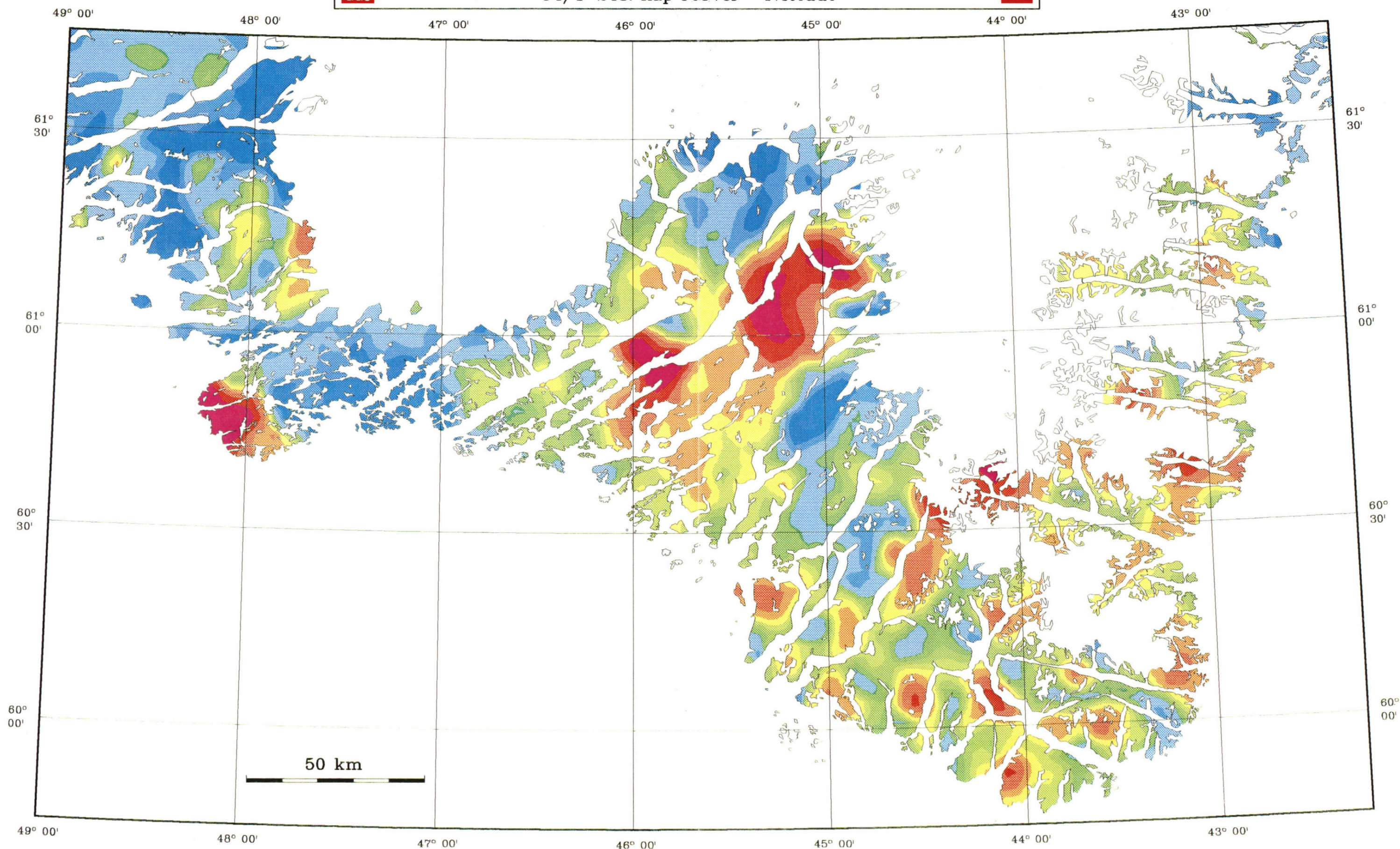




GEOCHEMICAL MAP : Lu IN STREAM SEDIMENT

94/1-243: Kap Farvel - Ivittuut

01-JUN-94

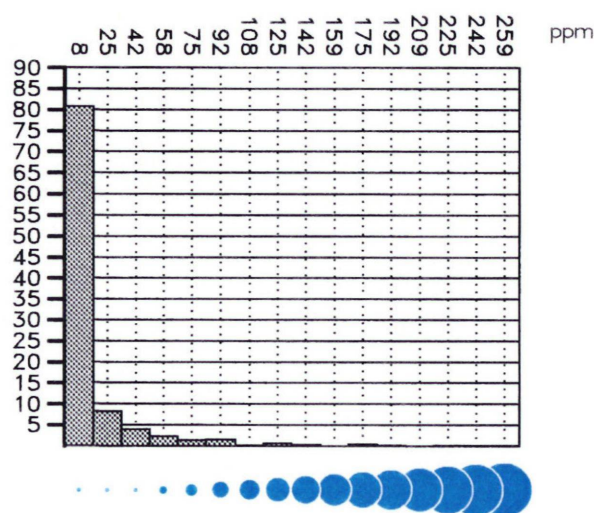


GEOCHEMICAL MAP: As IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	1500
Mean:	18
Median:	0
Variance:	4808
Std. Dev.:	69

Values below 5 ppm calculated as 0.

Min. dot size corresponds to values below the 92.0th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

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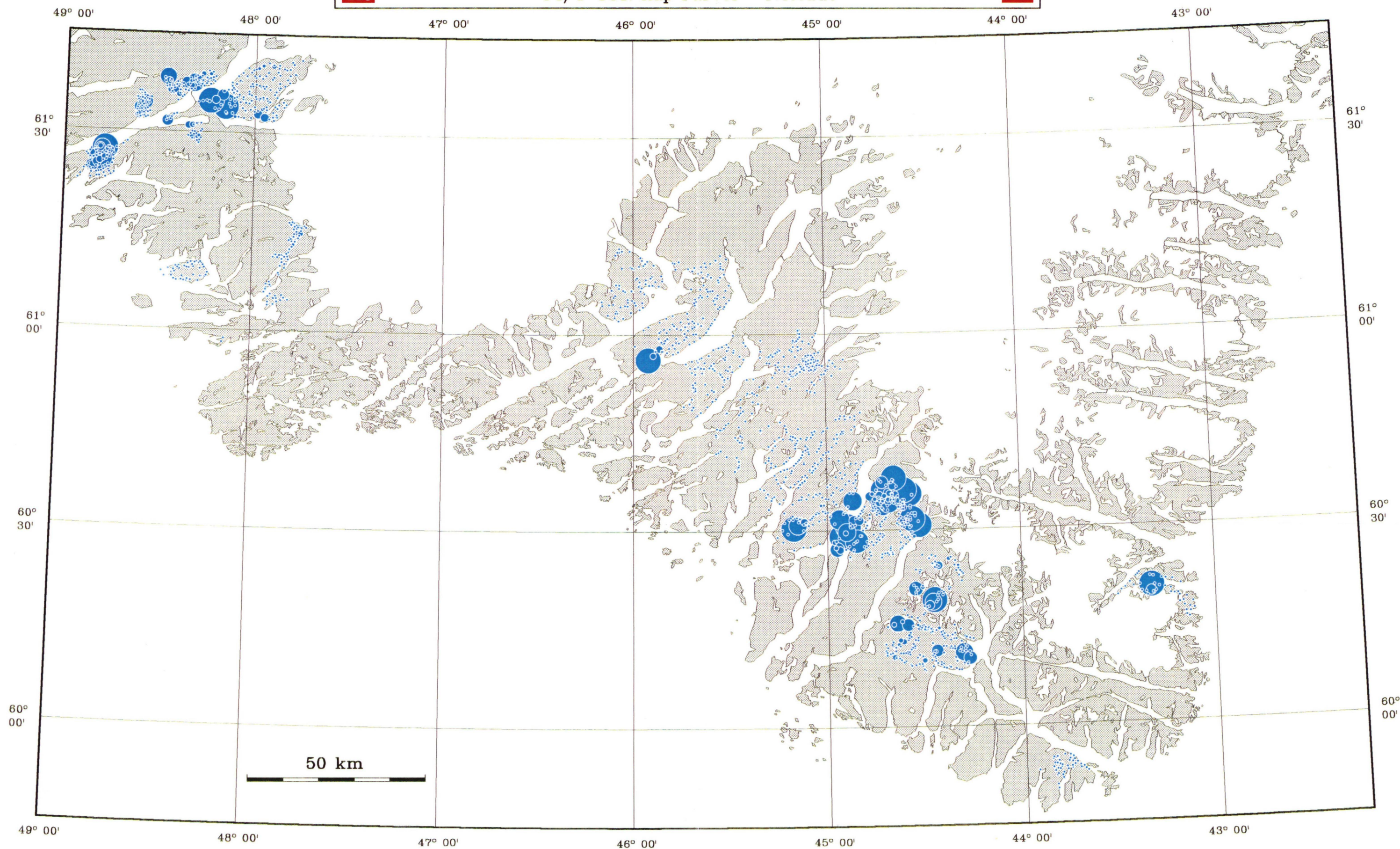




GEOCHEMICAL MAP : As IN HEAVY MINERAL CONCENTRATE

94/1-301: Kap Farvel - Ivittuut

01-JUN-94

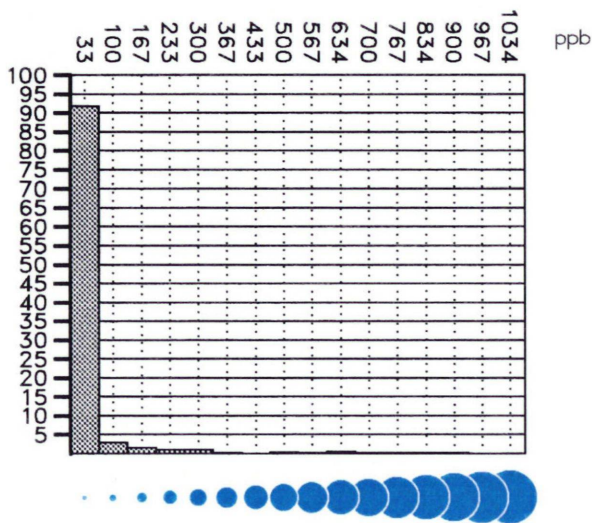


GEOCHEMICAL MAP: Au IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Au ppb

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	6570
Mean:	59
Median:	0
Variance:	121872
Std. Dev.:	349

Values below 5 ppb calculated as 0.

Min. dot size corresponds to values below the 90.8th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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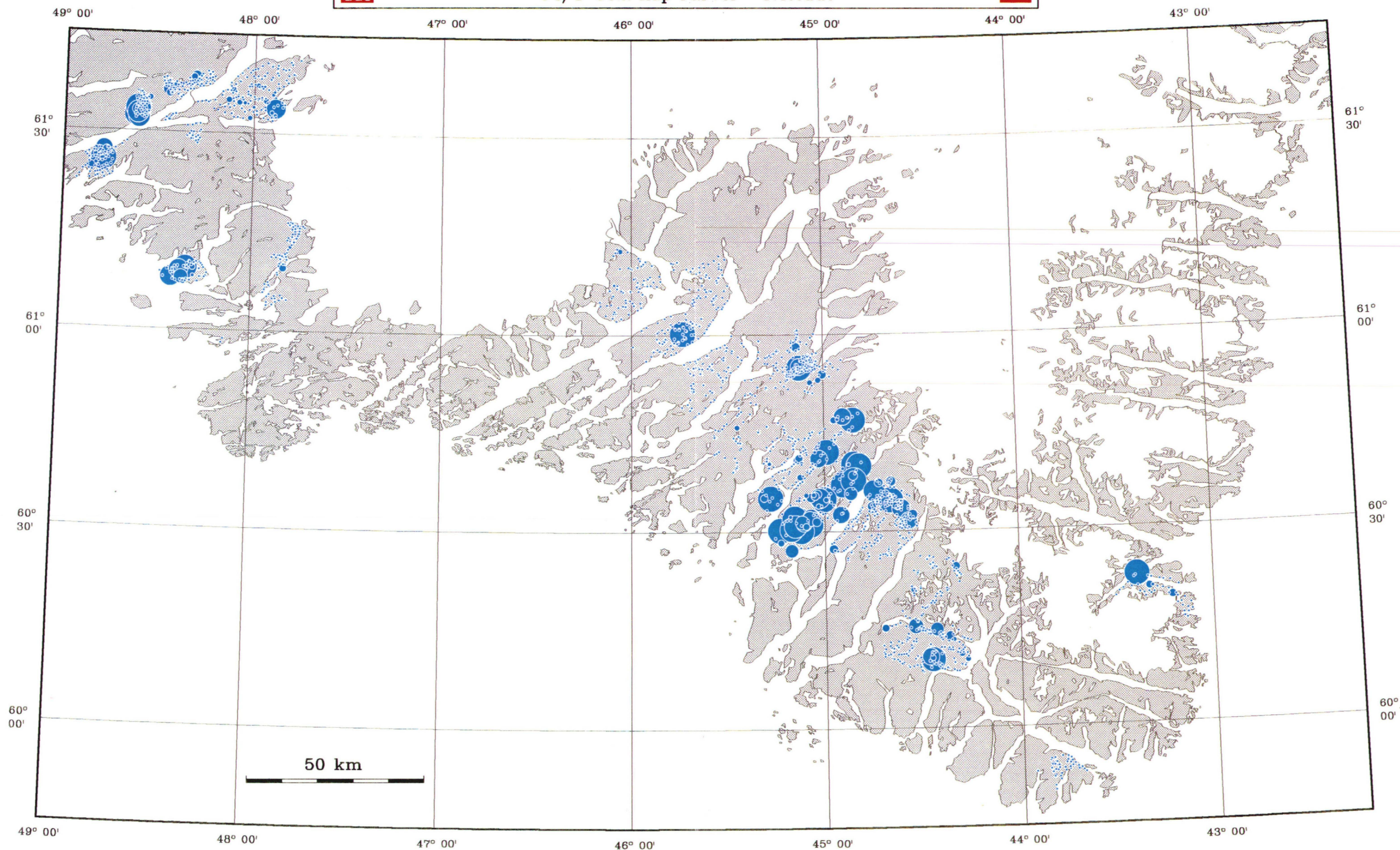




GEOCHEMICAL MAP : Au IN HEAVY MINERAL CONCENTRATE

94/1-302: Kap Farvel - Ivittuut

01-JUN-94

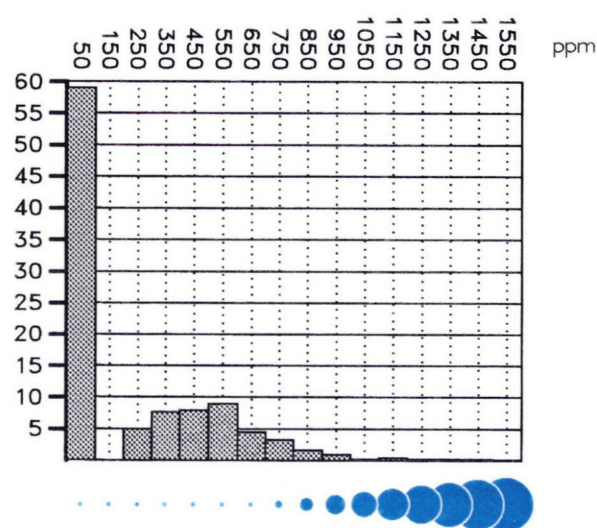


GEOCHEMICAL MAP: Ba IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Ba ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples: 1780
Min. value: 0
Max. value: 27000
Mean: 284
Median: 0
Variance: 978439
Std. Dev.: 989

Values below 200 ppm calculated as 0.

Min. dot size corresponds to values below the 92.3th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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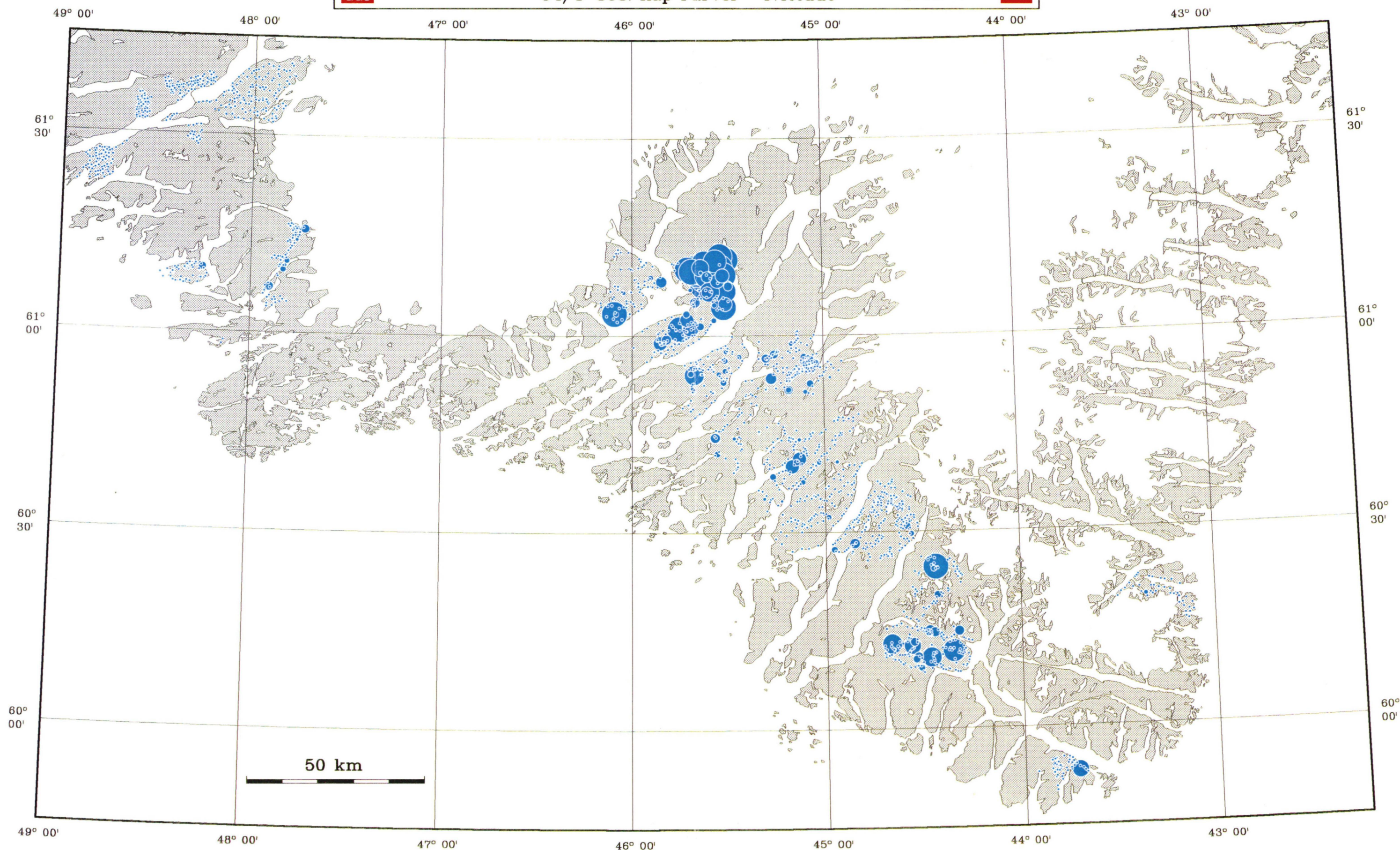




GEOCHEMICAL MAP : Ba IN HEAVY MINERAL CONCENTRATE

94/1-303: Kap Farvel - Ivittuut

01-JUN-94

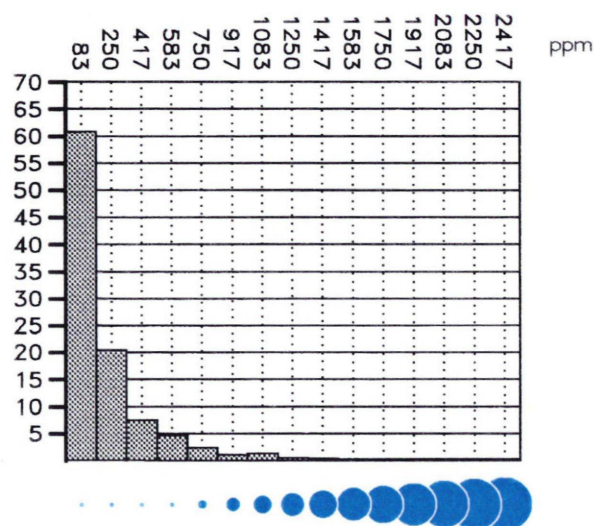


GEOCHEMICAL MAP: Ce IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Ce ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	6800
Mean:	256
Median:	120
Variance:	208252
Std. Dev.:	456

Values below 3 ppm calculated as 0.

Min. dot size corresponds to values below the 92.4th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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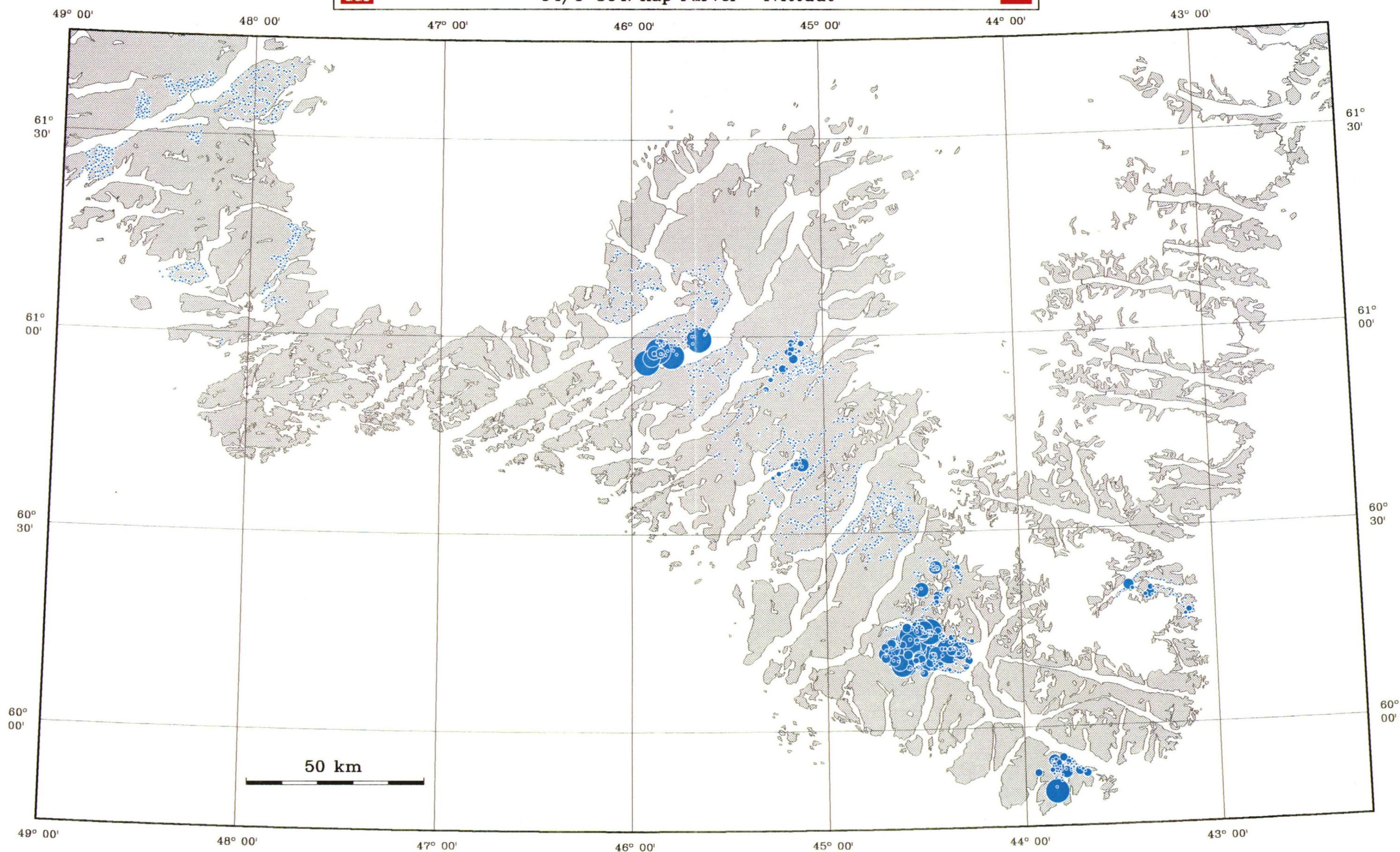




GEOCHEMICAL MAP : Ce IN HEAVY MINERAL CONCENTRATE

94/1-304: Kap Farvel - Ivittuut

01-JUN-94

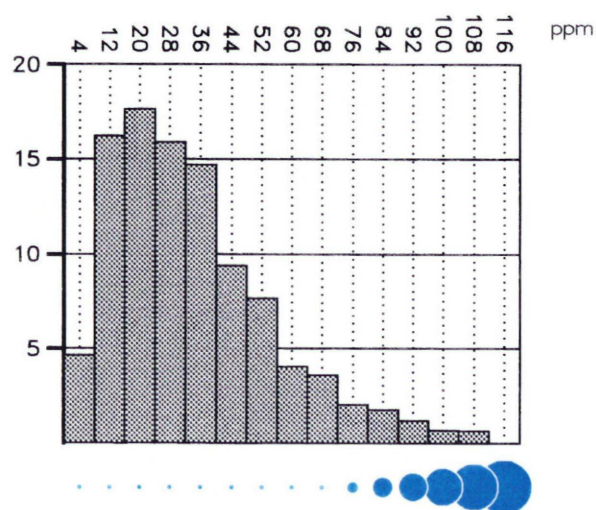


GEOCHEMICAL MAP: Co IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Co ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	300
Mean:	34
Median:	29
Variance:	593
Std. Dev.:	24

Values below 5 ppm calculated as 0.

Min. dot size corresponds to values below the 93.1th percentile.

Max. dot size corresponds to values above the 99.0th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.
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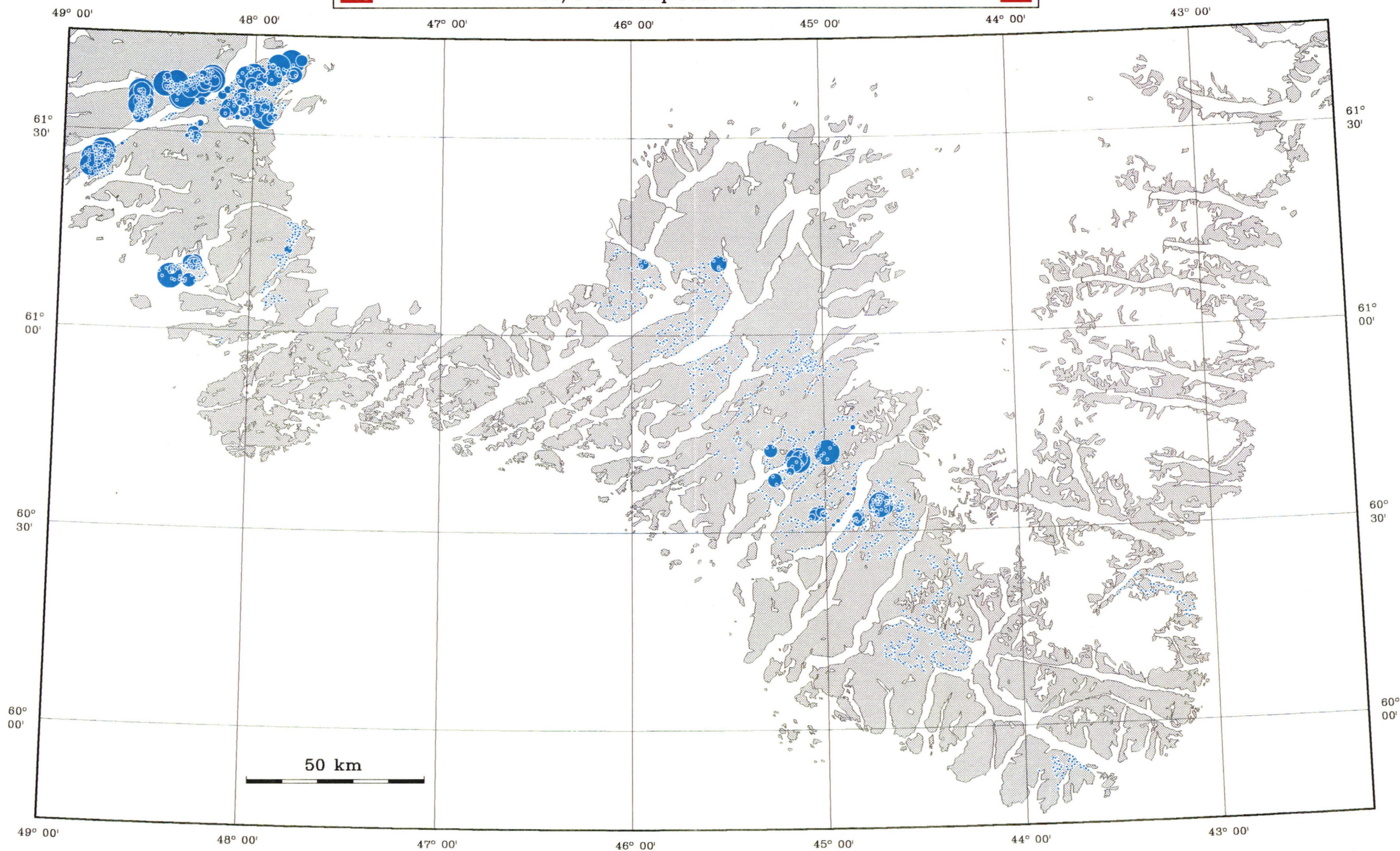




GEOCHEMICAL MAP : Co IN HEAVY MINERAL CONCENTRATE

94/1-305: Kap Farvel - Ivittuut

01-JUN-94

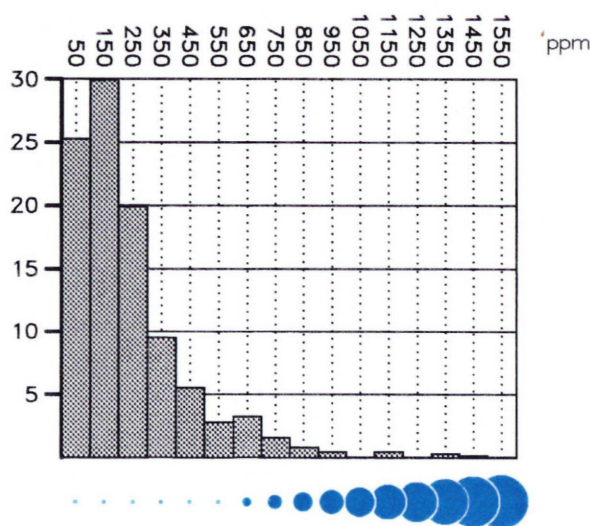


GEOCHEMICAL MAP: Cr IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Cr ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	83000
Mean:	319
Median:	170
Variance:	4076767
Std. Dev.:	2019

Values below 10 ppm calculated as 0.

Min. dot size corresponds to values below the 92.2th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations.

Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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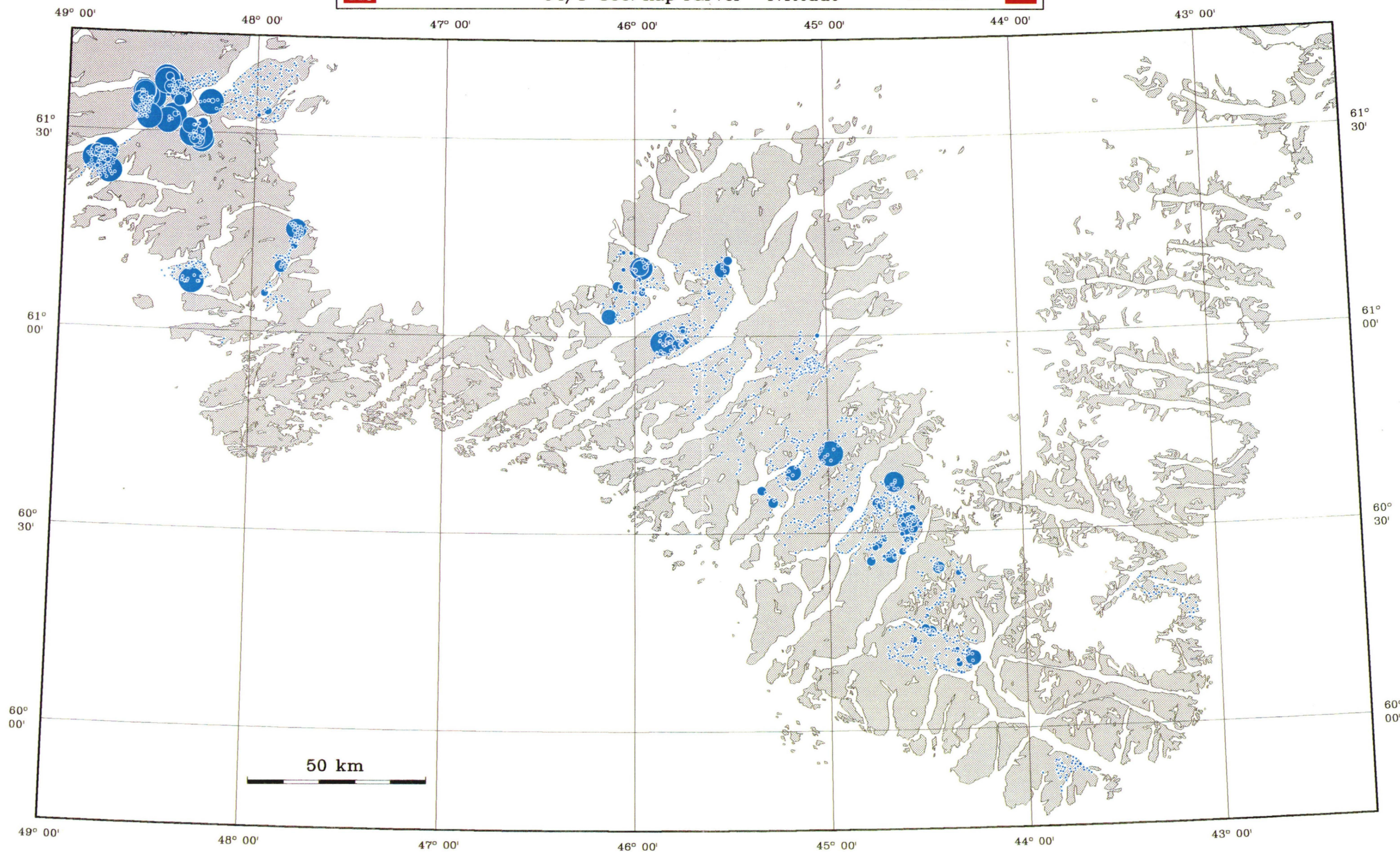




GEOCHEMICAL MAP : Cr IN HEAVY MINERAL CONCENTRATE

94/1-306: Kap Farvel - Ivittuut

01-JUN-94

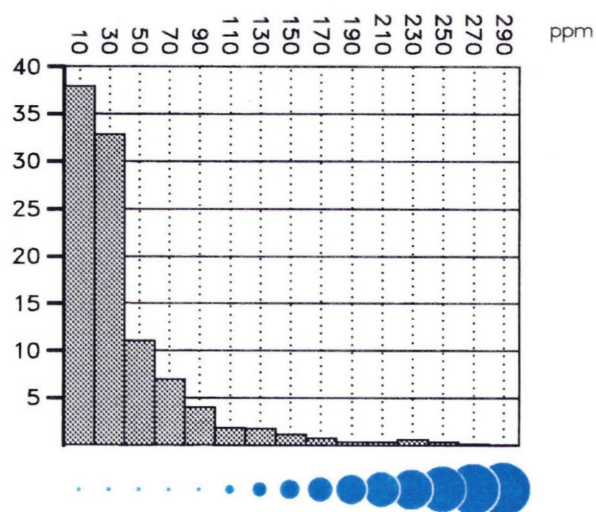


GEOCHEMICAL MAP: Cu IN HEAVY MINERAL CONCENTRATE

Kap Farvel - Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Cu ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1694
Min. value:	0
Max. value:	720
Mean:	43
Median:	24
Variance:	3076
Std. Dev.:	55

Values below 1 ppm calculated as 0.

Min. dot size corresponds to values below the 91.8th percentile.

Max. dot size corresponds to values above the 98.9th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1-3 km² in 20 sub-areas

Sample type:

15-20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Atomic absorption spectrometry/aqua regia digestion

Laboratory:

Activation Laboratories Ltd., Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

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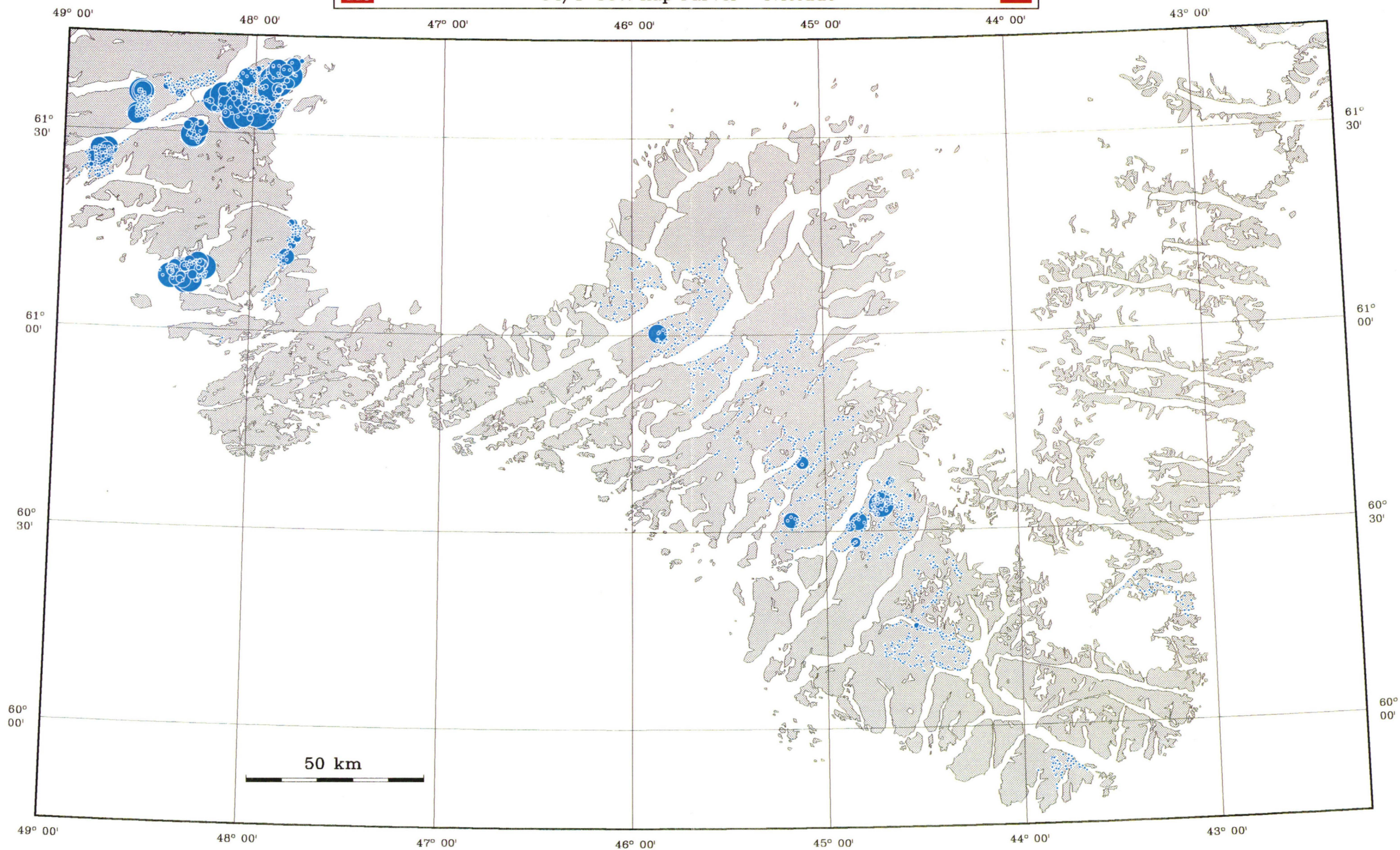




GEOCHEMICAL MAP : Cu IN HEAVY MINERAL CONCENTRATE

94/1-307: Kap Farvel - Ivittuut

01-JUN-94

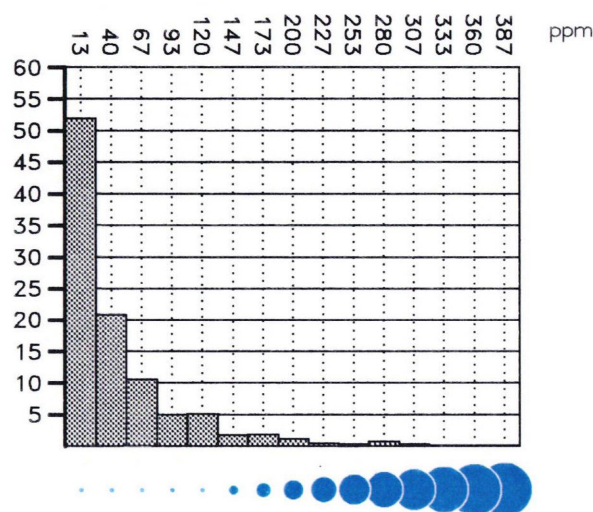


GEOCHEMICAL MAP: Hf IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Hf ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	770
Mean:	50
Median:	25
Variance:	5479
Std. Dev.:	74

Values below 1 ppm calculated as 0.

Min. dot size corresponds to values below the 92.3th percentile.

Max. dot size corresponds to values above the 98.9th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations.

Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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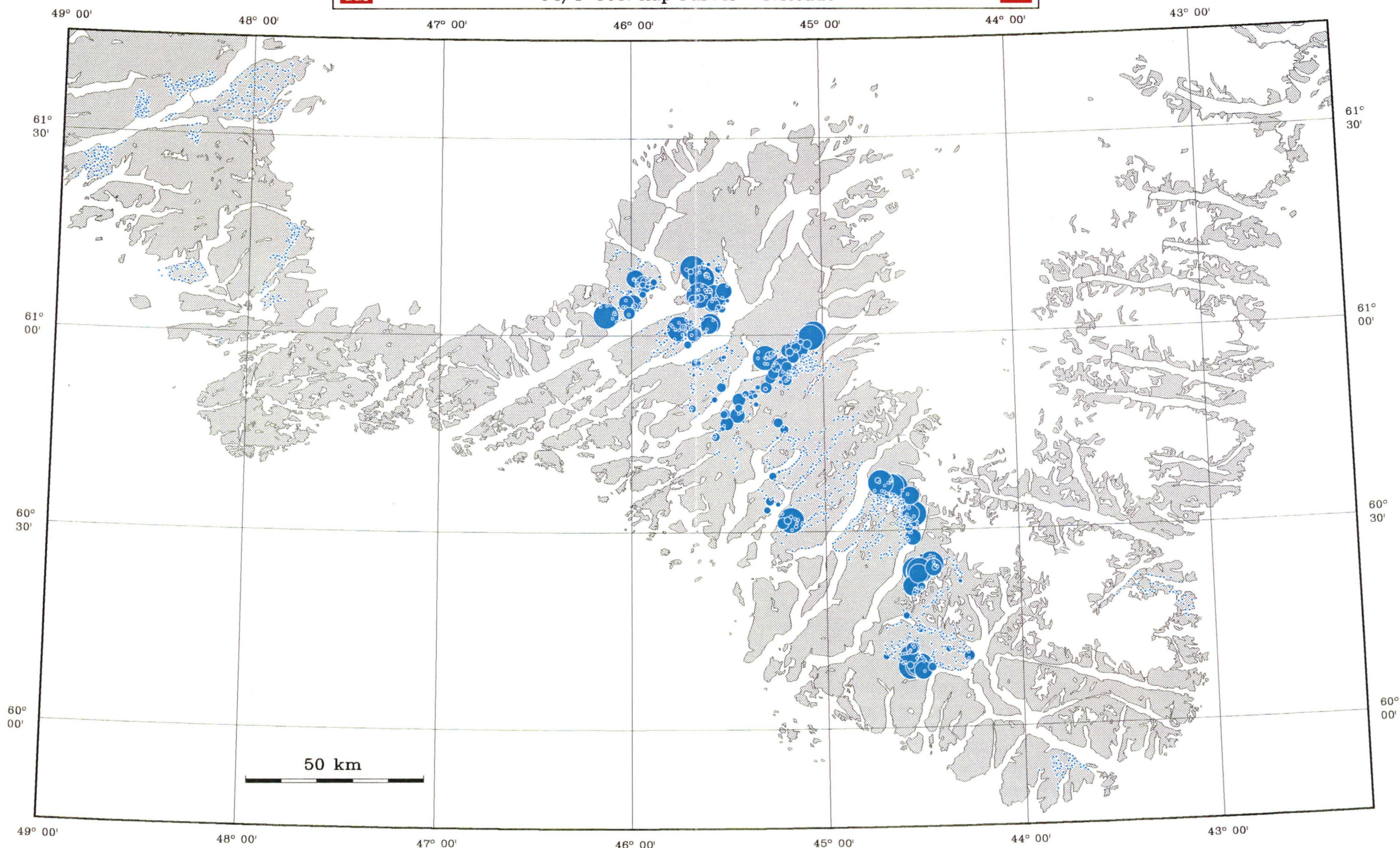




GEOCHEMICAL MAP : Hf IN HEAVY MINERAL CONCENTRATE

94/1-308: Kap Farvel - Ivittuut

01-JUN-94

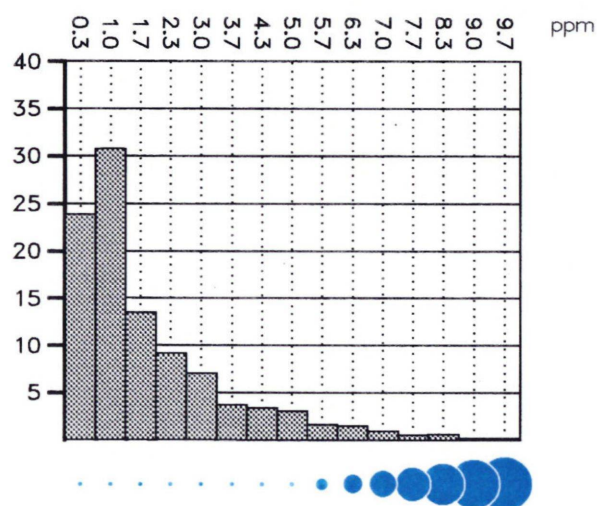


GEOCHEMICAL MAP: Lu IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0.0
Max. value:	18.4
Mean:	2.0
Median:	1.2
Variance:	4.0
Std. Dev.:	2.0

Values below 0.1 ppm calculated as 0.

Min. dot size corresponds to values below the 93.5th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

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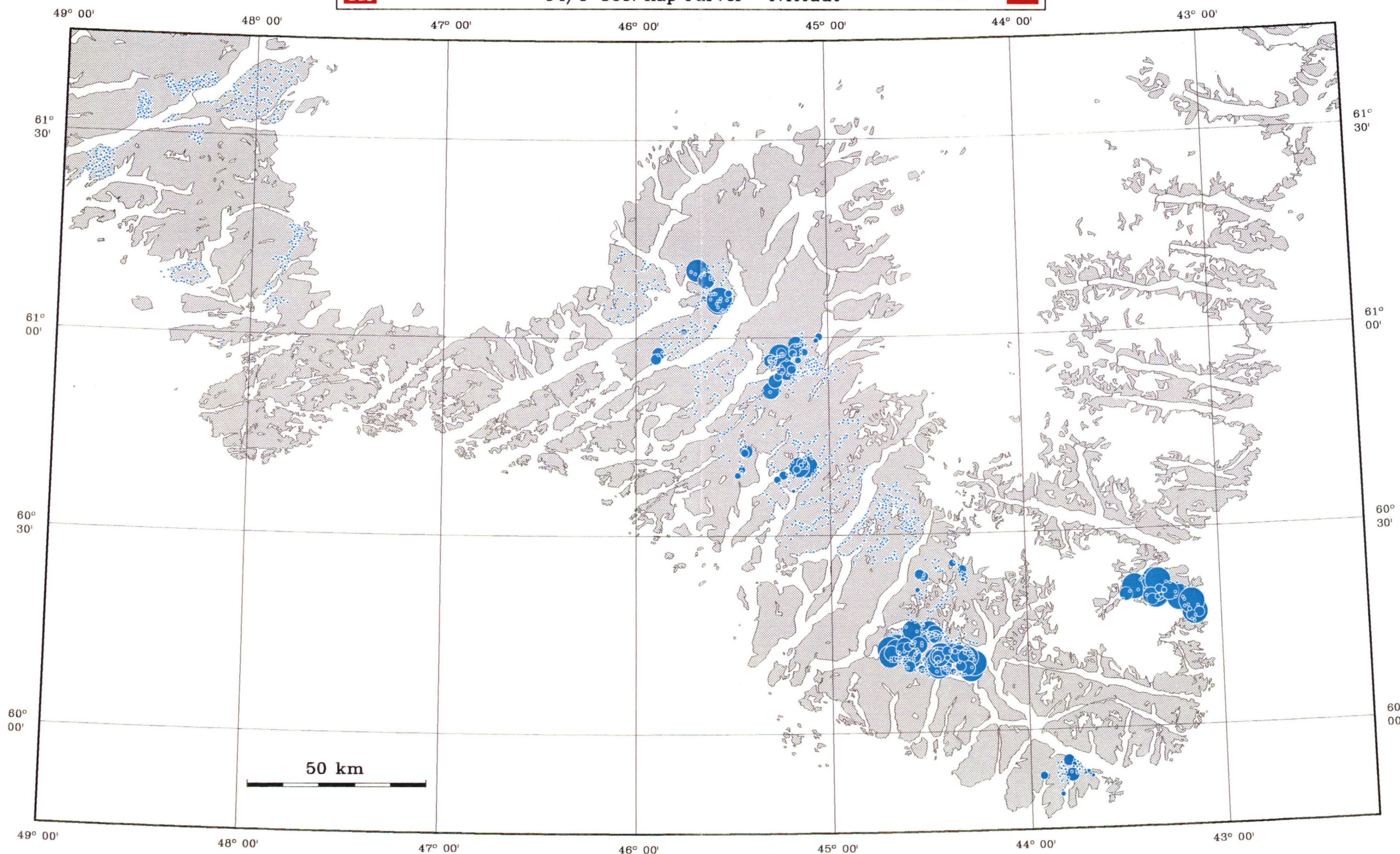




GEOCHEMICAL MAP : Lu IN HEAVY MINERAL CONCENTRATE

94/1-309: Kap Farvel - Ivittuut

01-JUN-94

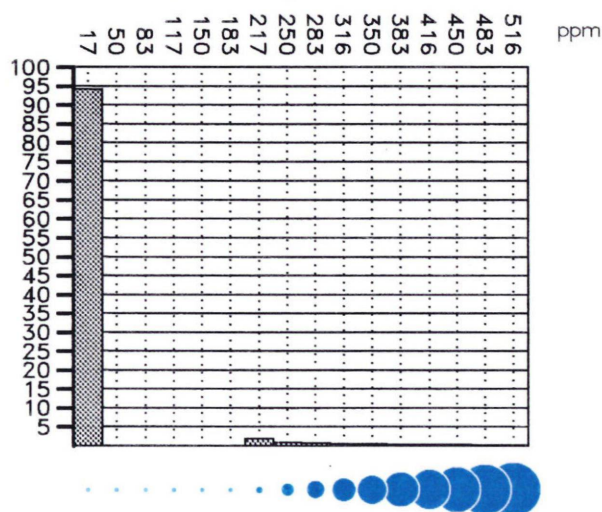


GEOCHEMICAL MAP: Ni IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Ni ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	3100
Mean:	24
Median:	0
Variance:	14369
Std. Dev.:	120

Values below 200 ppm calculated as 0.

Min. dot size corresponds to values below the 94.2th percentile.

Max. dot size corresponds to values above the 98.9th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection:	Lambert conformal conic
Standard parallel:	66° 30' N
Scale factor:	0.99700
Ellipsoid:	Hayford
Datum:	Qornoq
Scale:	1:1 000 000

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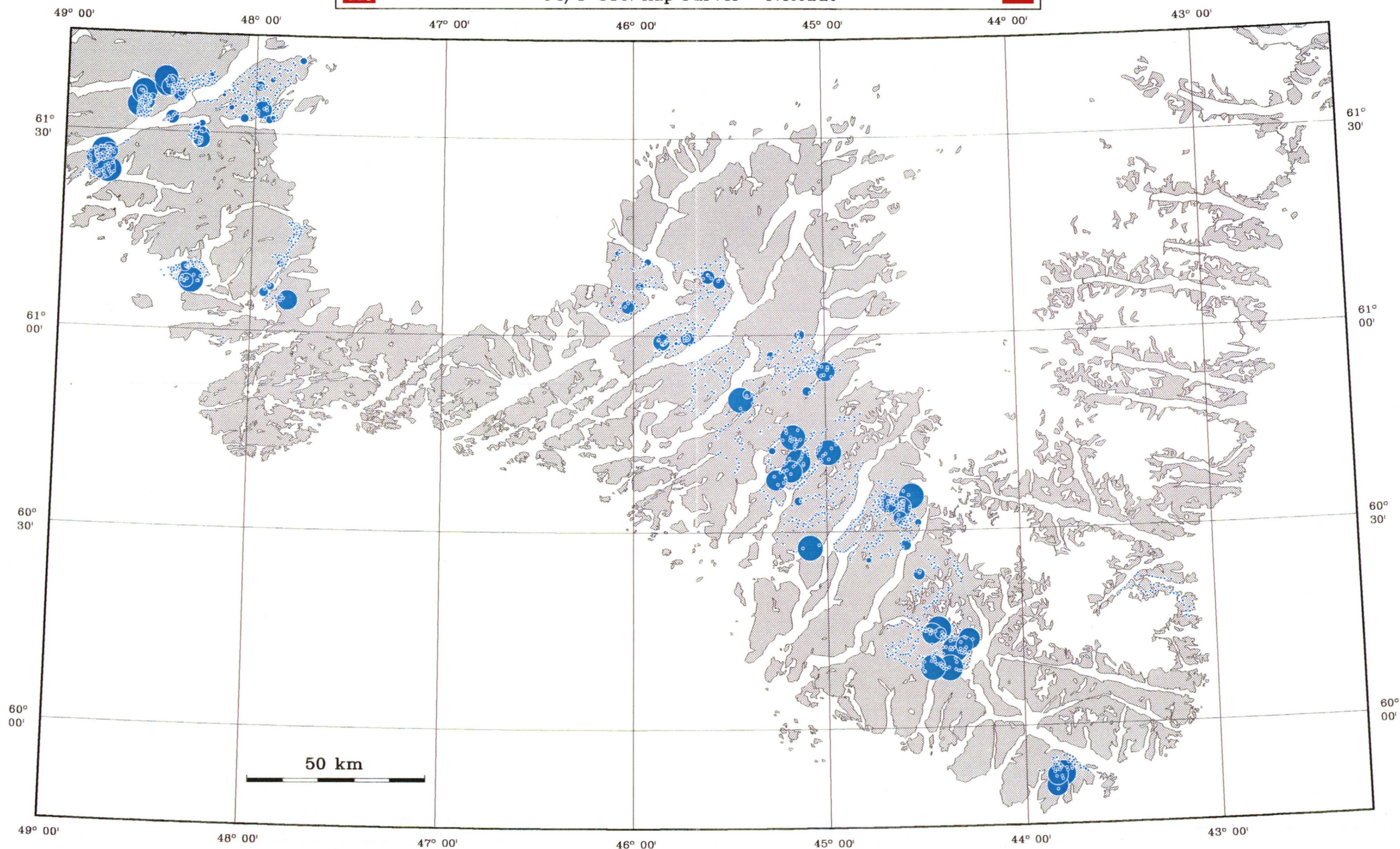




GEOCHEMICAL MAP : Ni IN HEAVY MINERAL CONCENTRATE

94/1-310: Kap Farvel - Ivittuut

01-JUN-94

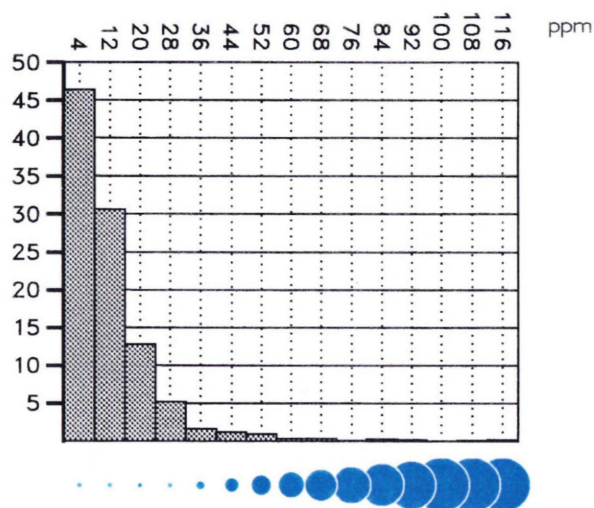


GEOCHEMICAL MAP: Pb IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Pb ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1694
Min. value:	0
Max. value:	754
Mean:	14
Median:	8
Variance:	803
Std. Dev.:	28

Values below 1 ppm calculated as 0.

Min. dot size corresponds to values below the 94.5th percentile.

Max. dot size corresponds to values above the 98.9th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Atomic absorption spectrometry/aqua regia digestion

Laboratory:

Activation Laboratories Ltd., Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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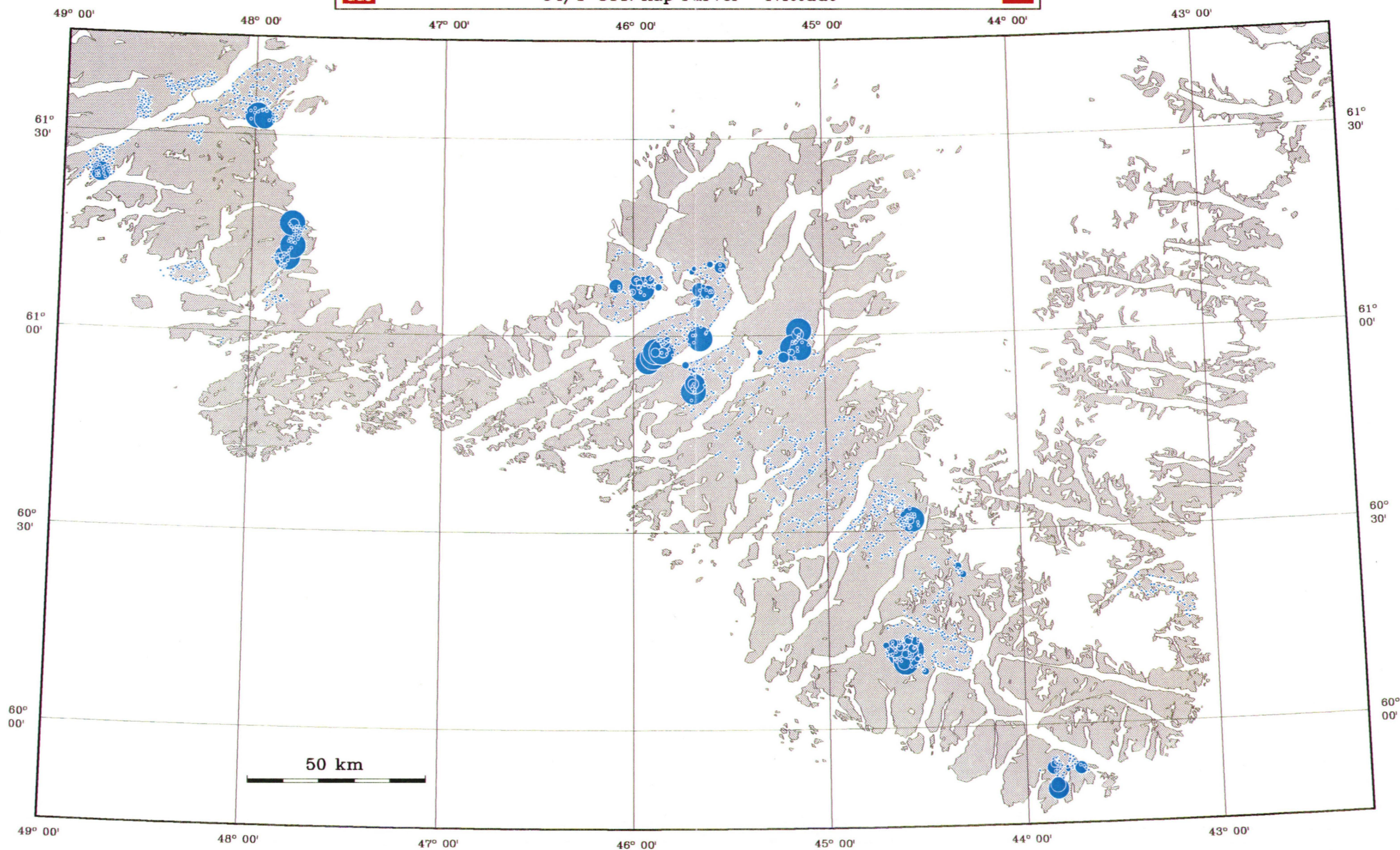




GEOCHEMICAL MAP : Pb IN HEAVY MINERAL CONCENTRATE

94/1-311: Kap Farvel - Ivittuut

01-JUN-94

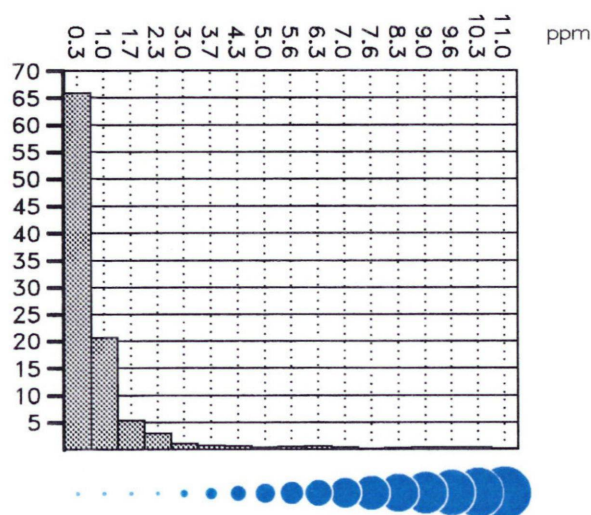


GEOCHEMICAL MAP: Sb IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Sb ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0.0
Max. value:	32.0
Mean:	0.9
Median:	0.4
Variance:	4.7
Std. Dev.:	2.2

Values below 0.2 ppm calculated as 0.

Min. dot size corresponds to values below the 93.7th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

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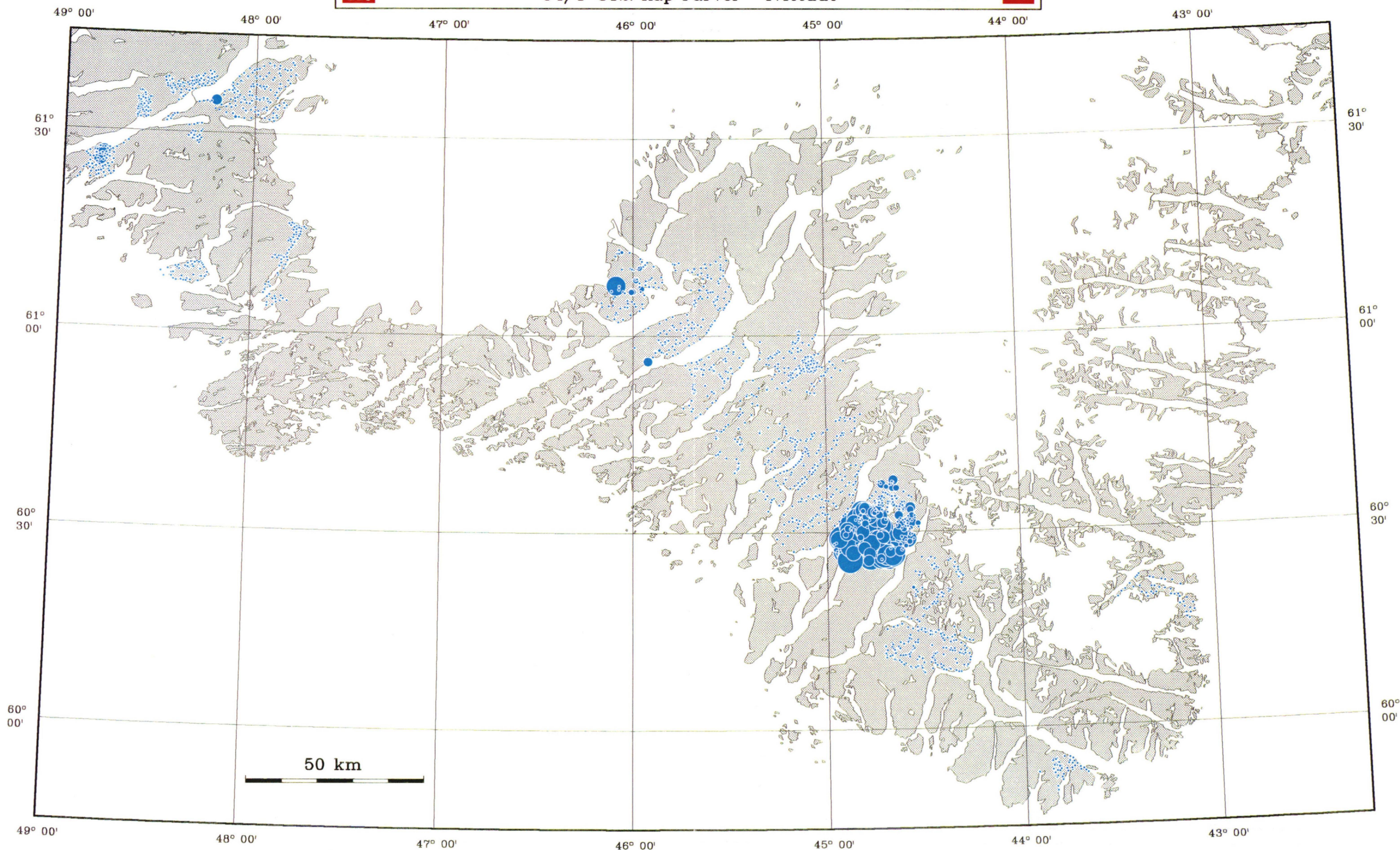




GEOCHEMICAL MAP : Sb IN HEAVY MINERAL CONCENTRATE

94/1-312: Kap Farvel - Ivittuut

01-JUN-94

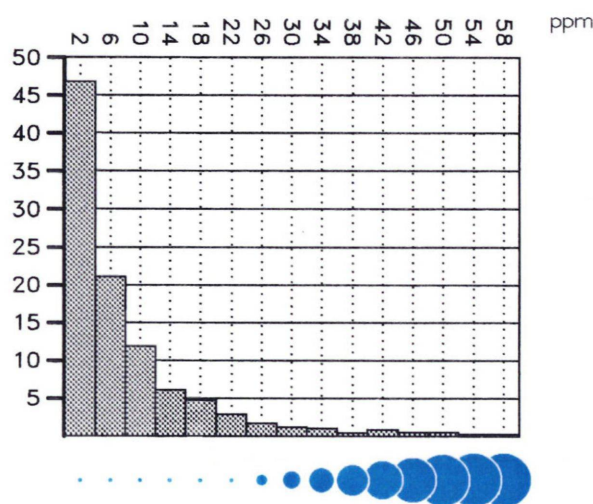


GEOCHEMICAL MAP: Ta IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Ta ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	110
Mean:	8
Median:	4
Variance:	115
Std. Dev.:	11

Values below 1 ppm calculated as 0.

Min. dot size corresponds to values below the 93.3th percentile.

Max. dot size corresponds to values above the 98.9th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd., Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations.

Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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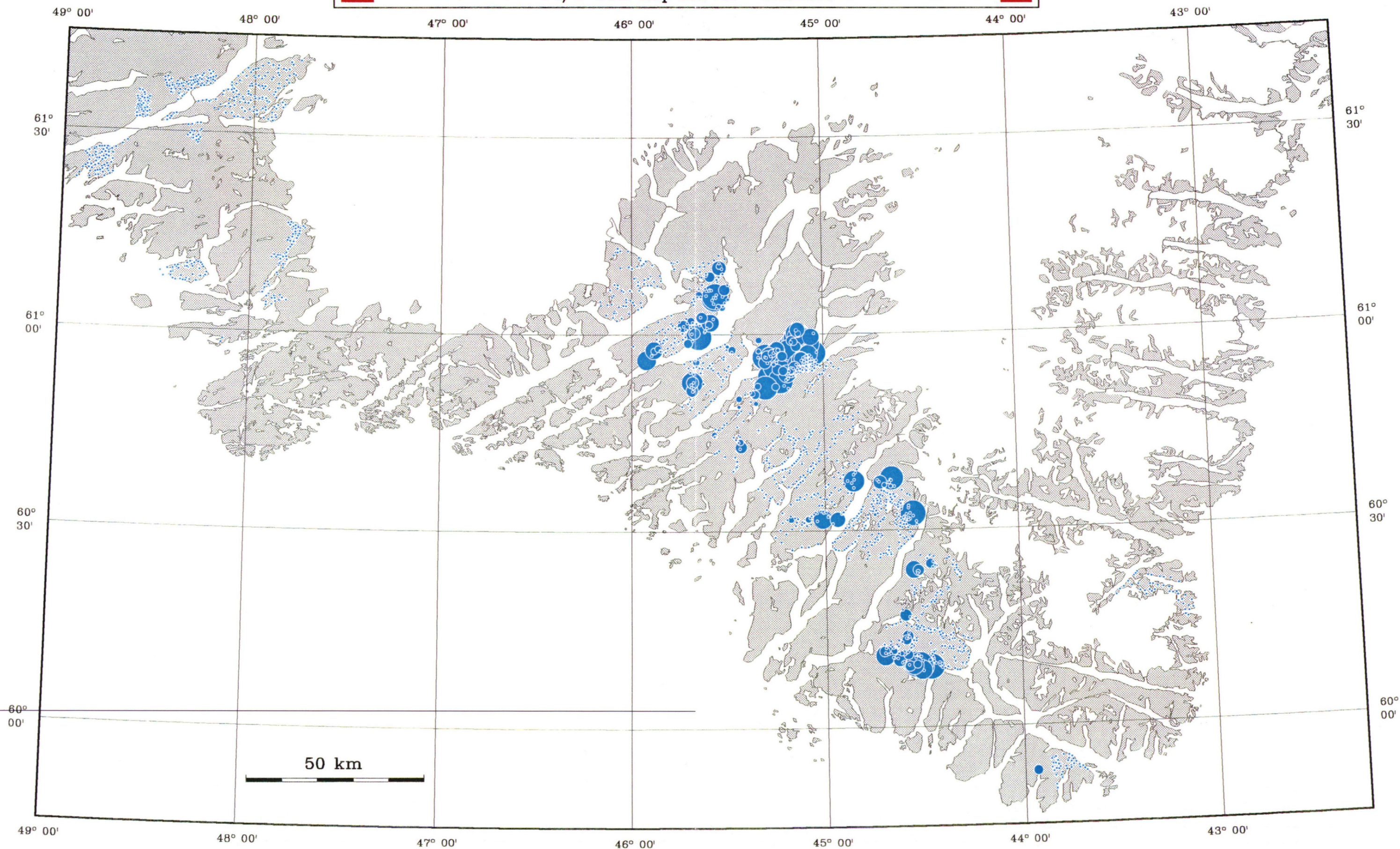




GEOCHEMICAL MAP : Ta IN HEAVY MINERAL CONCENTRATE

94/1-313: Kap Farvel - Ivittuut

01-JUN-94

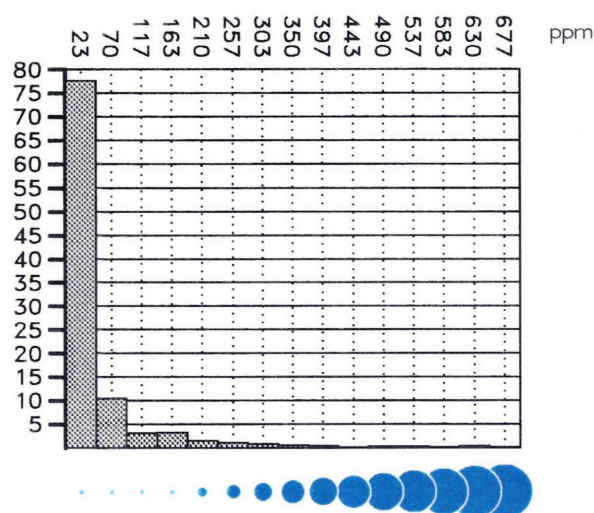


GEOCHEMICAL MAP: Th IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Th ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	1500
Mean:	54
Median:	15
Variance:	15578
Std. Dev.:	125

Values below 0.5 ppm calculated as 0.

Min. dot size corresponds to values below the 93.4th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic
Standard parallel: 66° 30' N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

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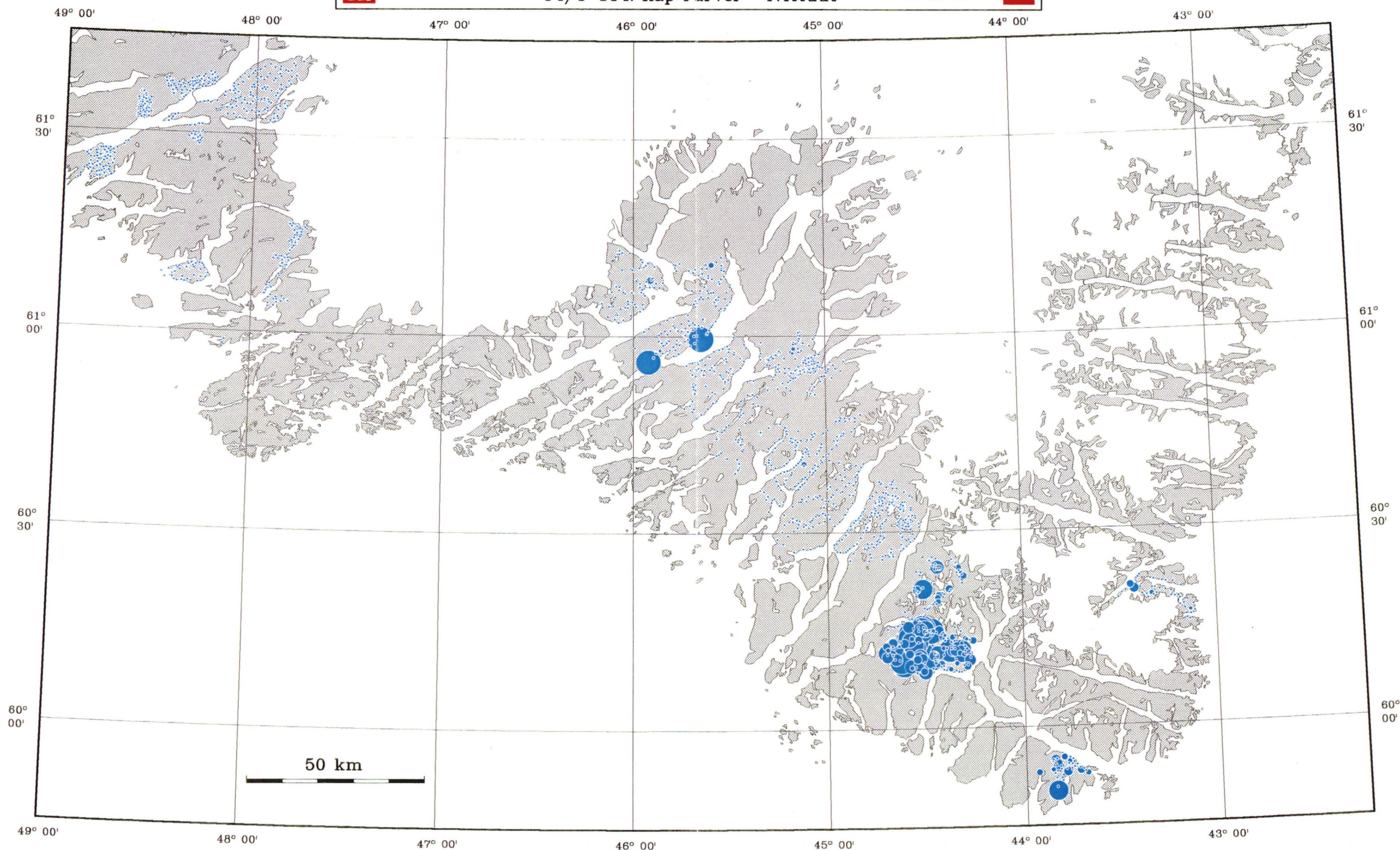




GEOCHEMICAL MAP : Th IN HEAVY MINERAL CONCENTRATE

94/1-314: Kap Farvel - Ivittuut

01-JUN-94

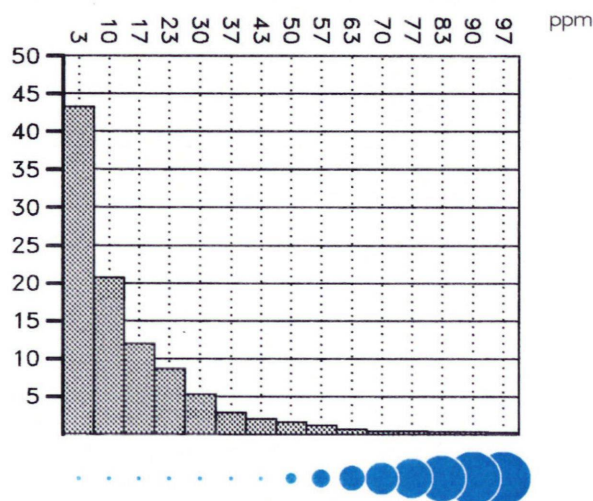


GEOCHEMICAL MAP: U IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



U ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	170
Mean:	15
Median:	9
Variance:	354
Std. Dev.:	19

Values below 0.5 ppm calculated as 0.

Min. dot size corresponds to values below the 94.3th percentile.

Max. dot size corresponds to values above the 99.0th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd., Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

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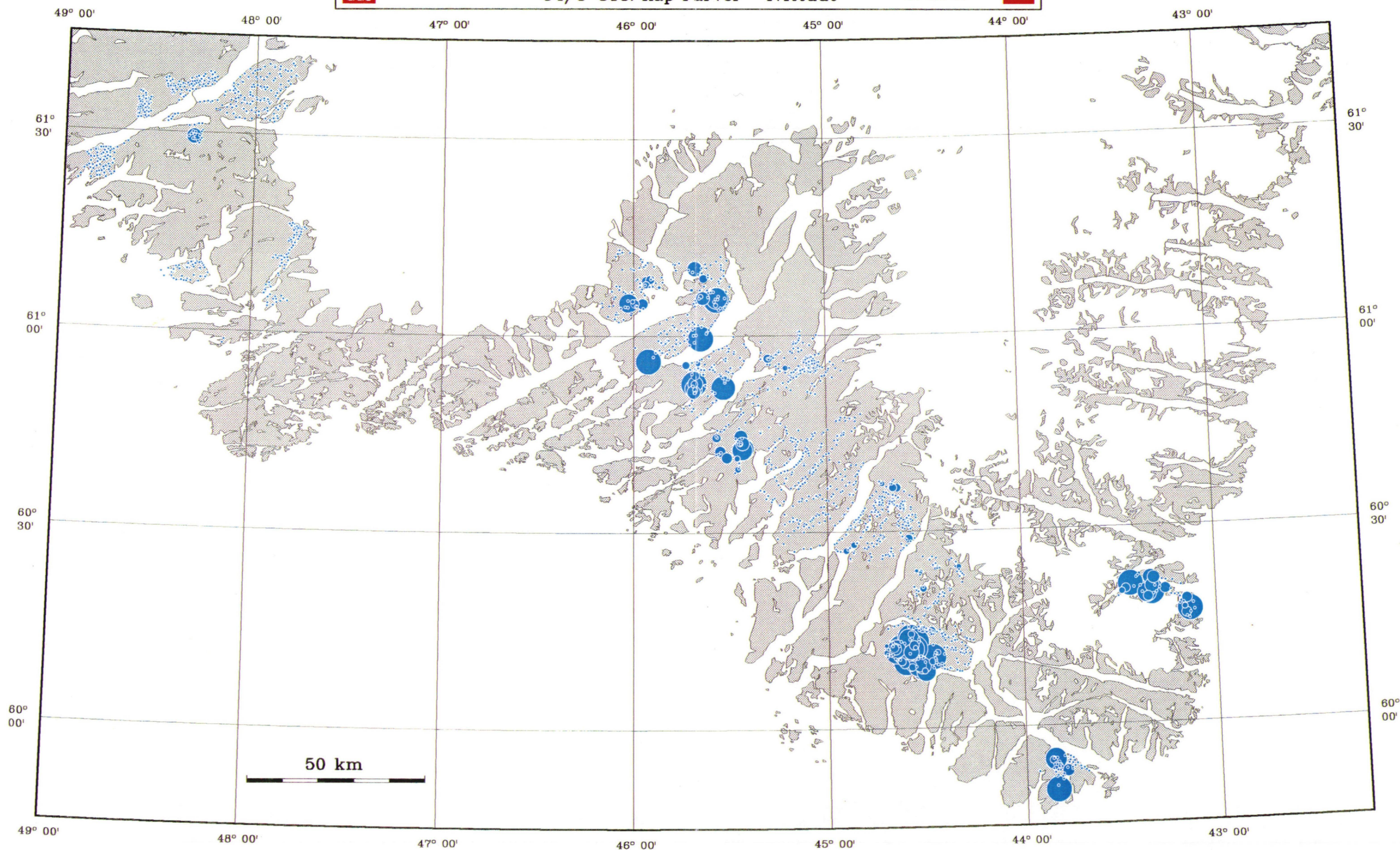




GEOCHEMICAL MAP : U IN HEAVY MINERAL CONCENTRATE

94/1-315: Kap Farvel - Ivittuut

01-JUN-94

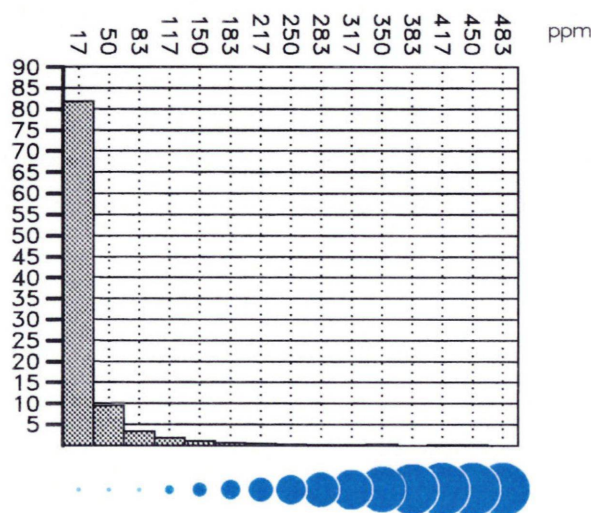


GEOCHEMICAL MAP: W IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



W ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	5400
Mean:	32
Median:	0
Variance:	29442
Std. Dev.:	172

Values below 4 ppm calculated as 0.

Min. dot size corresponds to values below the 94.3th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

Sample density:

1 per 1–3 km² in 20 sub-areas

Sample type:

15–20 kg of unsorted stream sediment (gravel, sand and silt)

Sample preparation:

Panning of the < 0.5 mm fraction on a vibrating gold screw

Analysis:

Instrumental neutron activation on the < 0.25 mm fraction

Laboratory:

Activation Laboratories Ltd.,
Ontario, Canada

DATA PROCESSING

Dot plot illustrating element concentrations.

Scaling of dot size is selected to emphasize anomalous values.

Projection: Lambert conformal conic

Standard parallel: 66° 30' N

Scale factor: 0.99700

Ellipsoid: Hayford

Datum: Qornoq

Scale: 1:1 000 000

Ice margins and coast lines digitized from 1:250 000 topographic maps.

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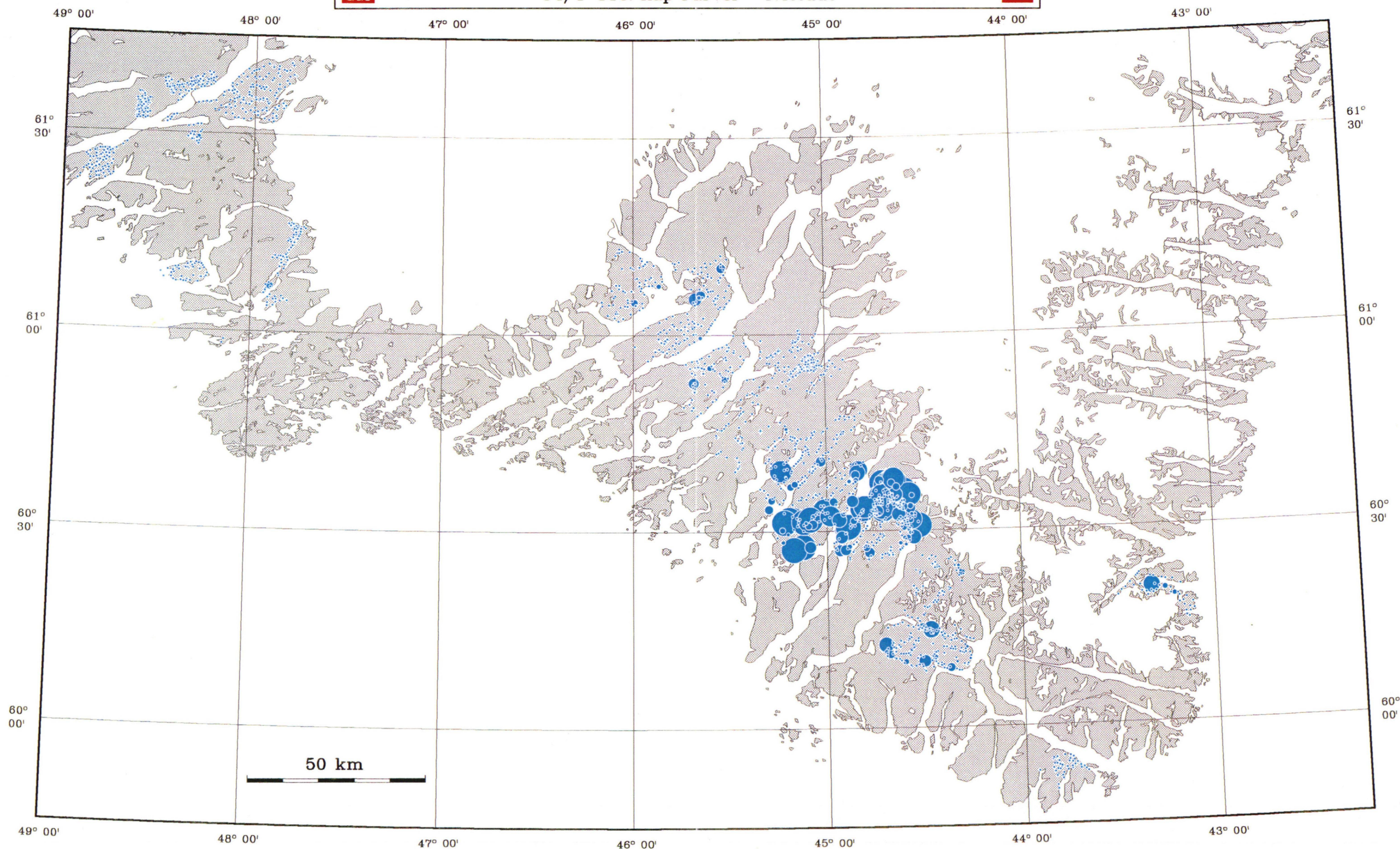




GEOCHEMICAL MAP : W IN HEAVY MINERAL CONCENTRATE

94/1-316: Kap Farvel - Ivittuut

01-JUN-94



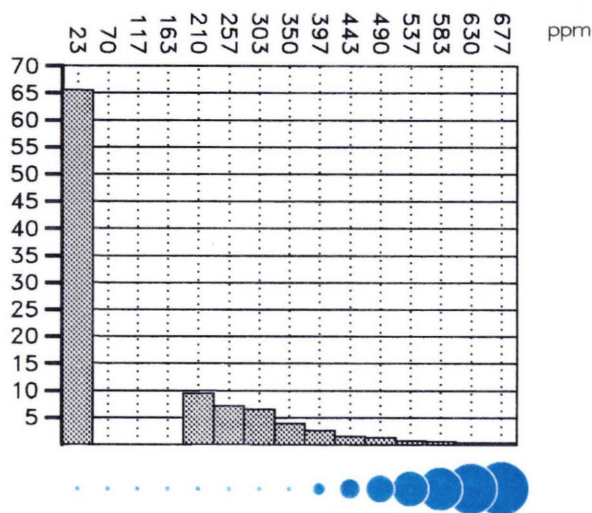
Thematic map 94/1-317

GEOCHEMICAL MAP: Zn IN HEAVY MINERAL CONCENTRATE

Kap Farvel – Ivittuut

Compiled by Bjørn Thomassen

FREQUENCY DISTRIBUTION AND SYMBOL SIZE



Zn ppm

STATISTICAL PARAMETERS OF ANALYTICAL VALUES

Number of samples:	1780
Min. value:	0
Max. value:	5300
Mean:	118
Median:	0
Variance:	56385
Std. Dev.:	237

Values below 200 ppm calculated as 0.

Min. dot size corresponds to values below the 92.0th percentile.

Max. dot size corresponds to values above the 98.8th percentile.

DATA SOURCE

Stream sediment survey carried out by NUNAOIL A/S in 1990.

SURVEY SPECIFICATIONS

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Dot plot illustrating element concentrations. Scaling of dot size is selected to emphasize anomalous values.

Projection:	Lambert conformal conic
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Scale factor:	0.99700
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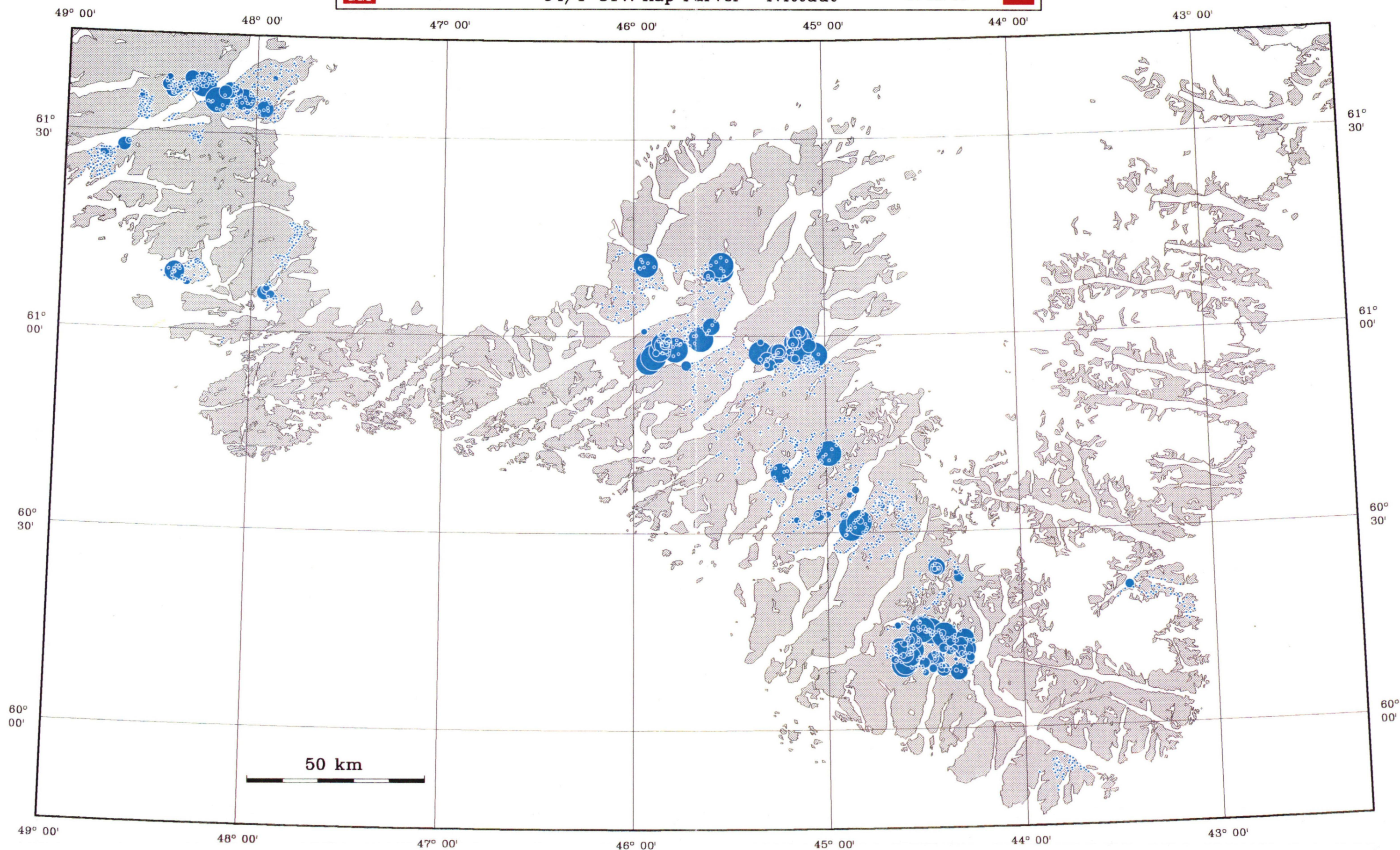




GEOCHEMICAL MAP : Zn IN HEAVY MINERAL CONCENTRATE

94/1-317: Kap Farvel - Ivittuut

01-JUN-94



MINERAL OCCURRENCES: Au, Ag, Pt, Pd, Fe, Ni, Cu, Mo and W

Kap Farvel - Ivittuut

Compiled by M. Lind and T. Tukiainen

LEGEND

HOST ROCK		GENETIC ENVIRONMENT	
Metamorphic		Magmatic	
Volcanic		Volcanogenic	
Igneous		Igneous	
Sedimentary		Sedimentary	
Unspecified		Syngenetic	
		Epigenetic	
		Hydrothermal	
		Unspecified	
MORPHOLOGY		RESOURCE	
Stratiform		Fe, V, Ti, Mn, Cr	
Stratabound		PGE, Au	
Lenticular		Mo, W, Sn, Hg, Sb, Bi	
Massive		Gemstone, indust. mineral	
Disseminated		Cu, Ni, Co	
Vein		U, Th, Zr, Nb, Ta, Y, REE	
Pipe			
Stockwork			
Unspecified			

MINERALOGY

			
Sulphide	Native element	Gemstone	Silicate
			Sulphate Carbonate Indust. min.
Other	Oxide		

DATA SOURCE

Selected localities from the database system for the registration of Greenland mineral occurrences (GREENMIN).

All localities represent mineral occurrences observed on the surface, in drill holes or mine workings.

The data have been compiled from Survey reports, industry mineral assessment reports and published and unpublished research data.

SYMBOL SIZE



ECONOMIC IMPORTANCE

Mine
Prospect
Showing

EXAMPLE

Disseminated lead sulphide(s) of hydrothermal origin hosted by volcanic rock(s). More detailed information available from the GREENMIN-database, occurrence ID:24/13. Underlining indicates the presence of several occurrence IDs on the same site.



Pb 24/13

Projection: Lambert conformal conic
Standard parallel: 66° 30'N
Scale factor: 0.99700
Ellipsoid: Hayford
Datum: Qornoq
Scale: 1:1 000 000

Ice margins and coastlines digitized from 1:250 000 topographic maps.
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GRØNLANDS GEOLOGISKE UNDERSØGELSE

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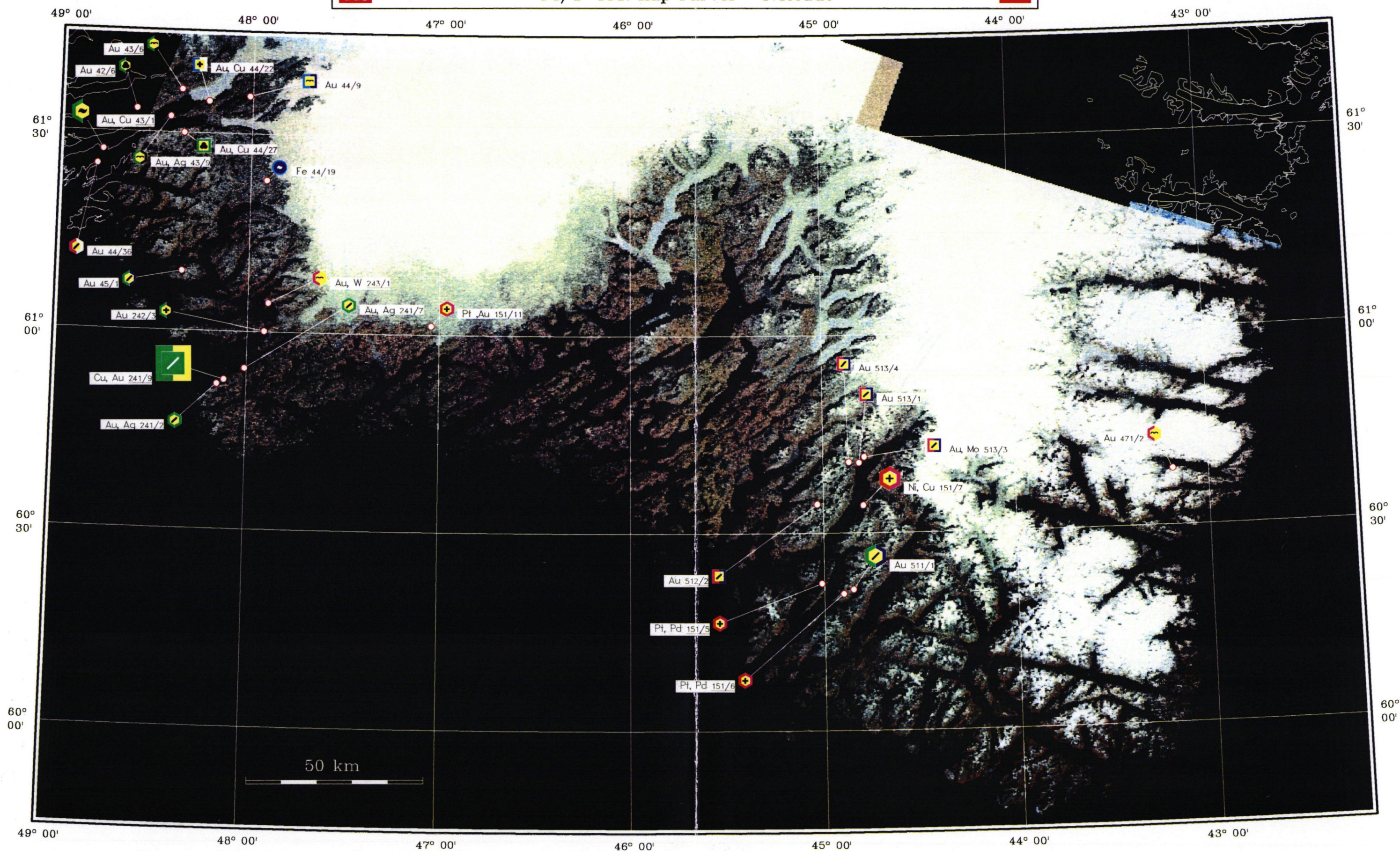




MINERAL OCCURRENCES: Au, Ag, Pt, Pd, Fe, Ni, Cu, Mo and W

94/1-401: Kap Farvel - Ivittuut

01-JUN-94



MINERAL OCCURRENCES: U, Th, Zr, Nb, Ta, Y, REE and industrial minerals

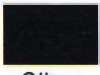
Kap Farvel – Ivittuut

Compiled by M. Lind and T. Tukiainen

LEGEND

HOST ROCK		GENETIC ENVIRONMENT
Metamorphic		Magmatic
Volcanic		Volcanogenic
Igneous		Igneous
Sedimentary		Sedimentary
Unspecified		Syngenetic
		Epigenetic
		Hydrothermal
		Unspecified
		

MORPHOLOGY		RESOURCE
Stratiform		Fe, V, Ti, Mn, Cr
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Lenticular		Mo, W, Sn, Hg, Sb, Bi
Massive		Gemstone, indust. mineral
Disseminated		Cu, Ni, Co
Vein		U, Th, Zr, Nb, Ta, Y, REE
Pipe		
Stockwork		
Unspecified		

MINERALOGY			
			
Sulphide	Native element	Gemstone	Silicate
			Sulphate Carbonate Indust. min.
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SYMBOL SIZE



ECONOMIC IMPORTANCE

Mine
Prospect
Showing

EXAMPLE

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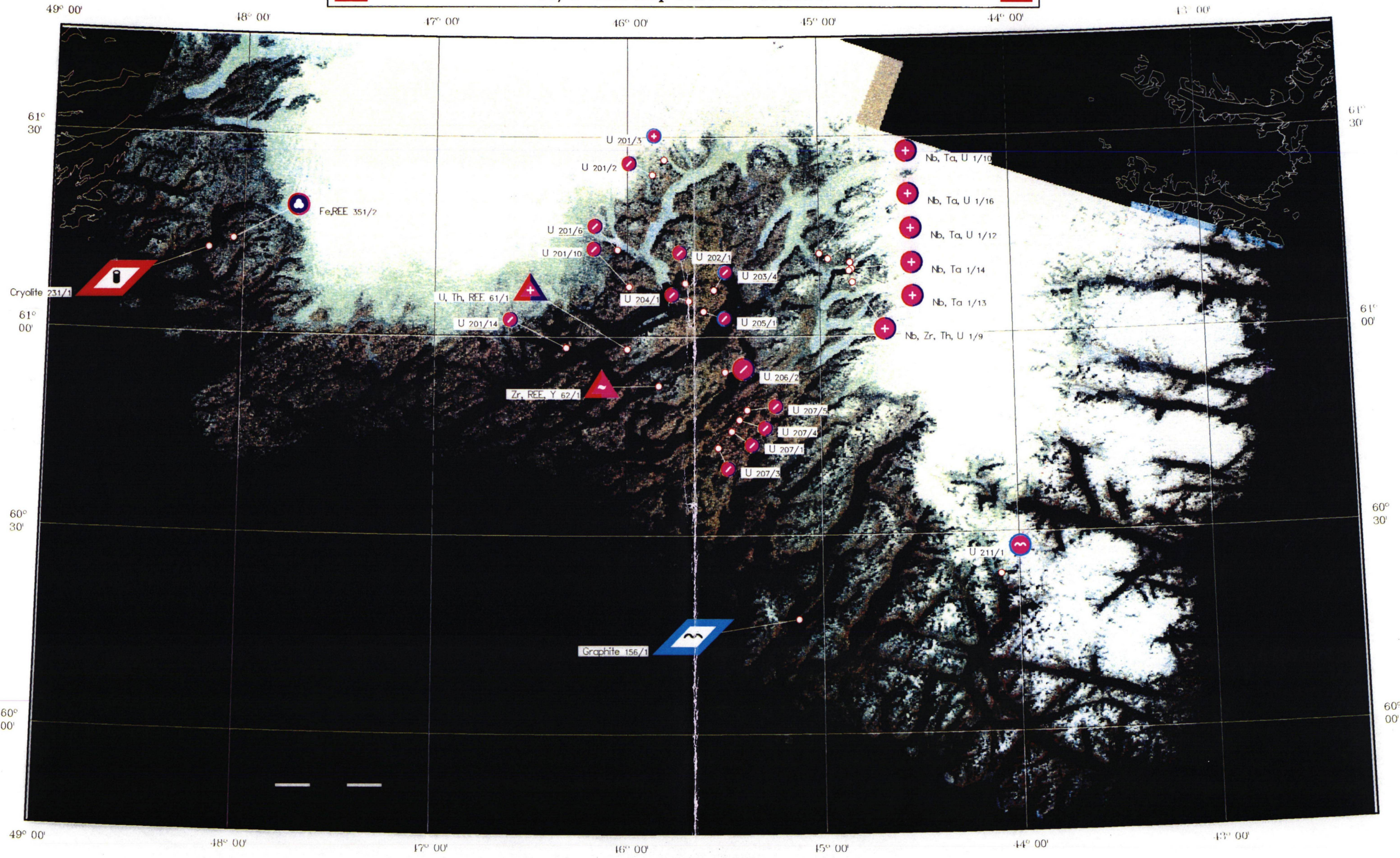
The Geological Survey of Greenland
Øster Voldgade 10 DK-1350 København K Denmark





MINERAL OCCURRENCES: U, Th, Zr, Nb, Ra, Y, REE, and industrial minerals
94/1-402: Kap Farvel - Ivittuut

01-JUN-94



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