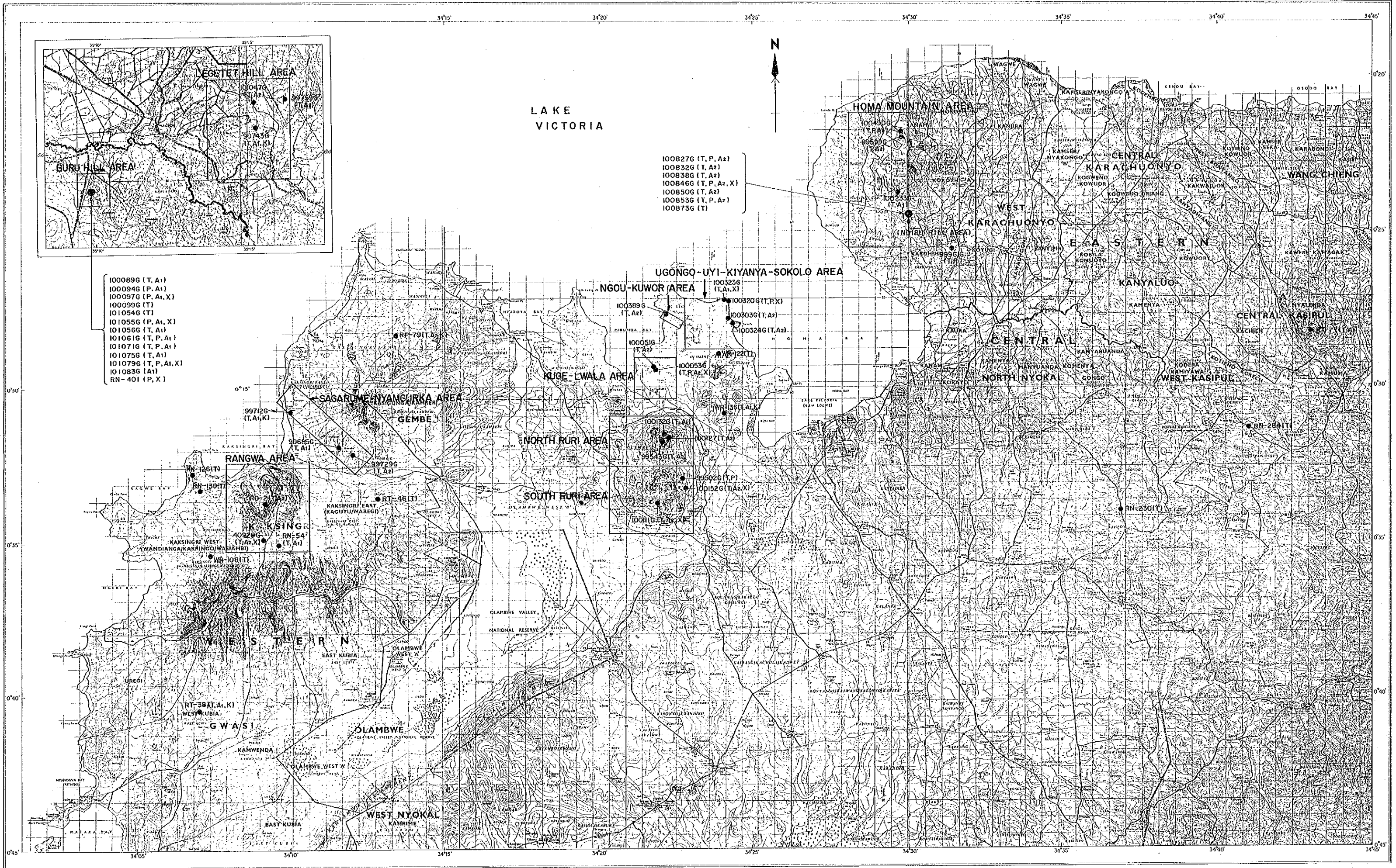
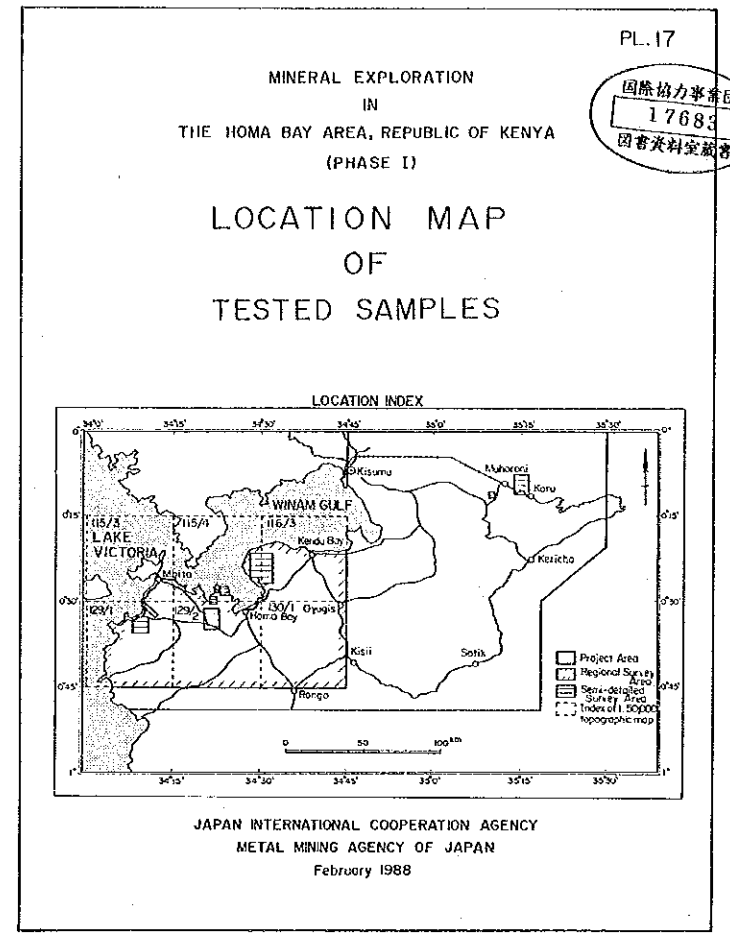
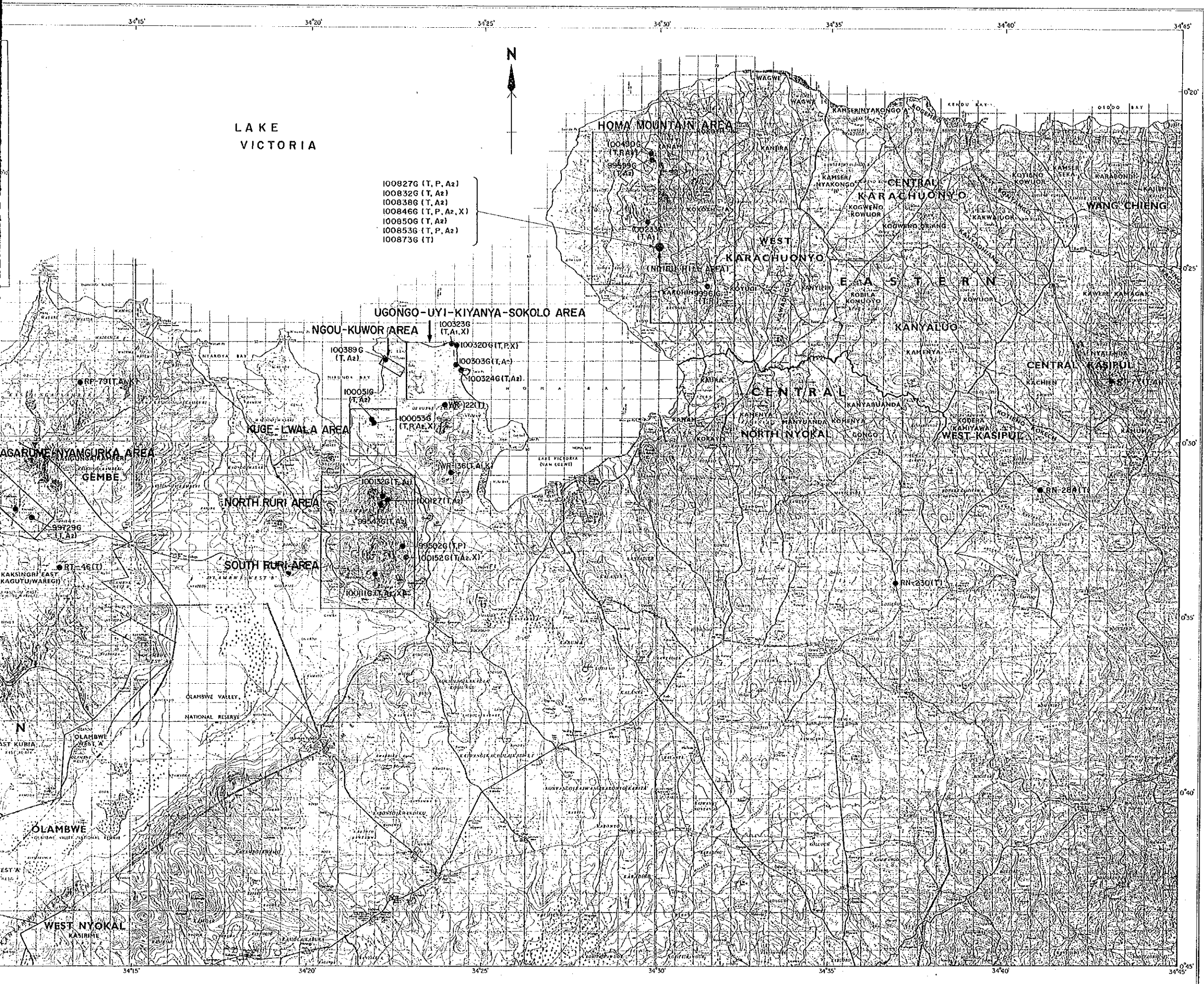


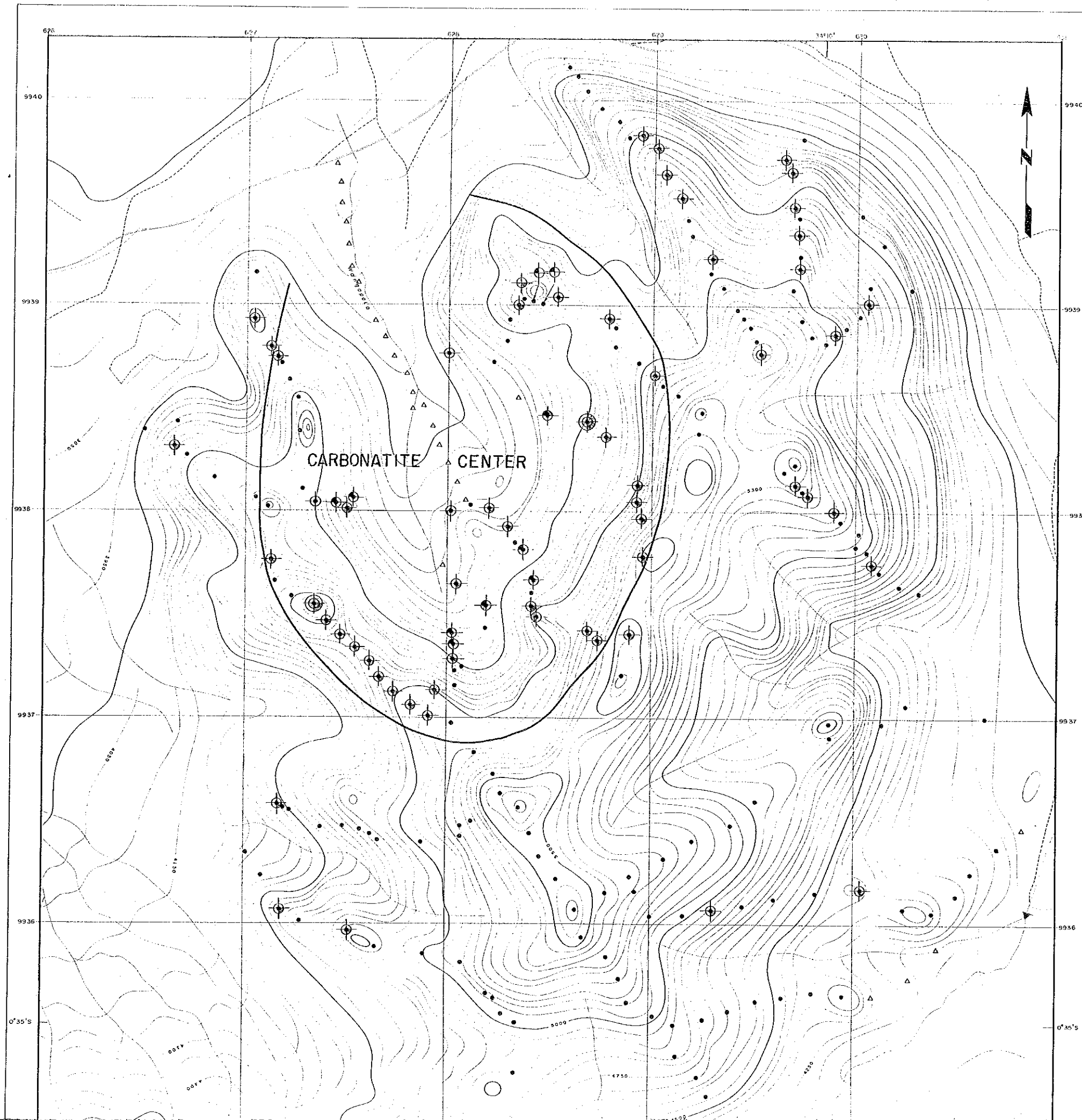
- #### LEGEND
- Y : Yttrium
  - REE : Rare earth elements
  - Nb : Niobium
  - Cb : Carbonalite, newly found
  - Fe : Iron
  - Cu : Copper
  - Au, Ag : Gold and silver
  - : Semi-detailed survey area  
(Area of known carbonalite occurrence)





- Scale 1 : 100,000
- 0 2 4 6 8 10km
- LEGEND
- BR-48 Sampling site and sample number
  - T : Thin section
  - P : Polished section
  - A<sub>1</sub> : Chemical analysis of silicate rocks and ores (whole rock)
  - A<sub>2</sub> : Chemical analysis of carbonatic rocks (whole rock and minor elements)
  - K : K-Ar method age determination
  - X : X-ray diffractive analysis

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MINERAL EXPLORATION  
IN  
THE HOMA BAY AREA, REPUBLIC OF KENYA  
(PHASE I)

GEOCHEMICAL INTERPRETATION MAP  
OF  
THE RANGWA AREA  
(SEMI-DETAILED SURVEY AREA)

LOCATION INDEX

JAPAN INTERNATIONAL COOPERATION AGENCY  
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Scale 1:10,000

LEGEND

- Non anomalous sample
- Anomalous sample  
 ( $\geq m + 1S, < m + 2S$ )
- Highly anomalous sample  
 ( $\geq m + 2S$ )
- Geochemically anomalous zone

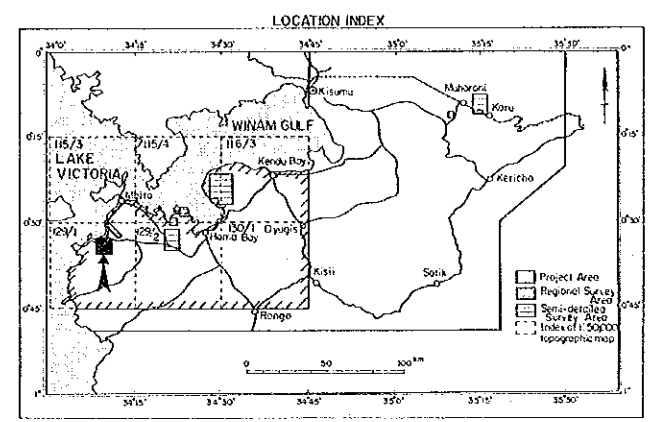
Classification

Element	Anomalous, $\geq m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the  
 Semi-detailed Survey Areas other than the  
 grid-sampled areas in the Buru and Nduru Hills.

△ Soil Sample

GEOCHEMICAL INTERPRETATION MAP  
OF  
THE RANGWA AREA  
(SEMI-DETAILED SURVEY AREA)



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
February 1988

Scale 1:10,000

LEGEND

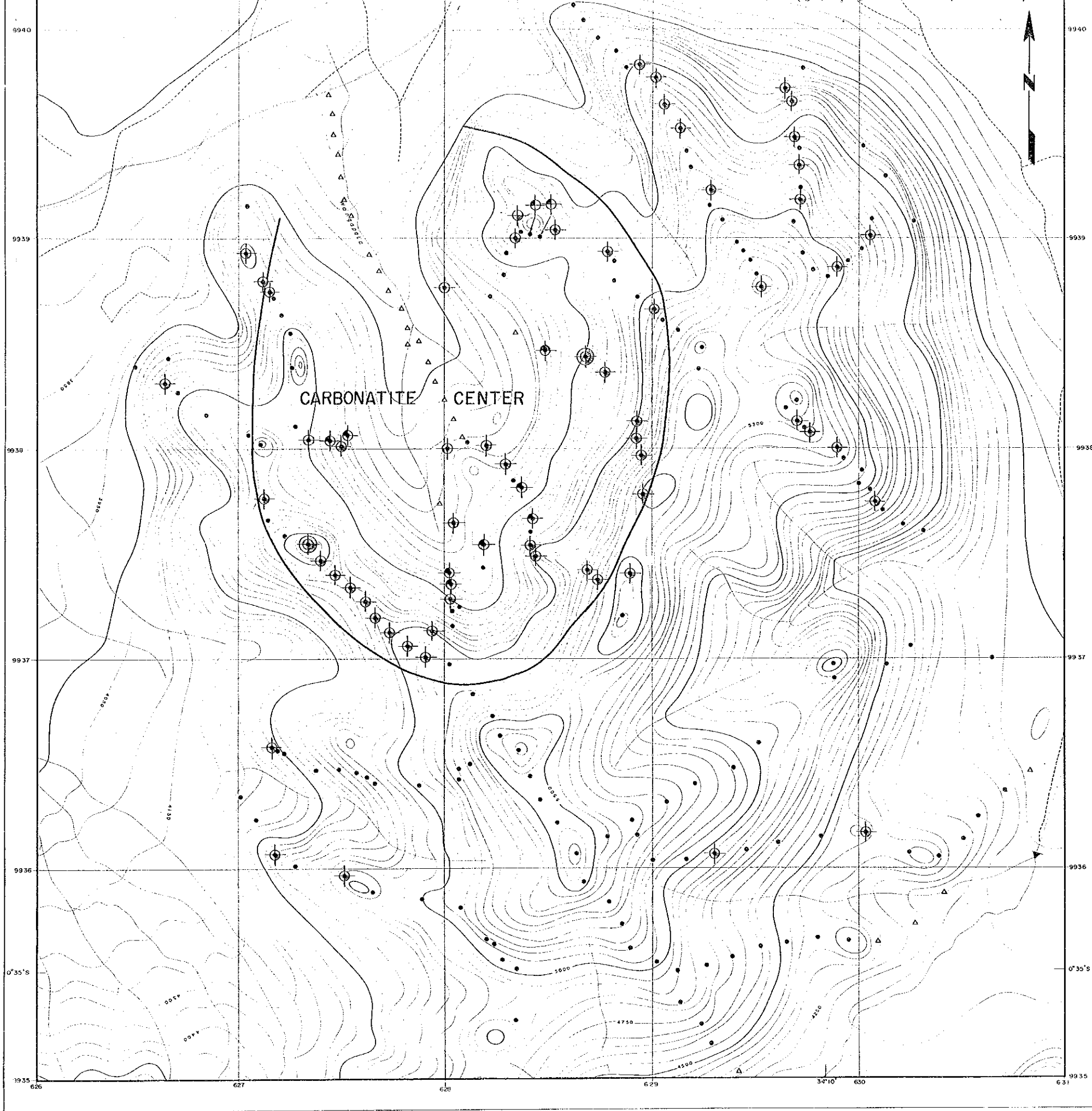
- Non anomalous sample
- Anomalous sample  
( $\geq m + 1S$ ,  $< m + 2S$ )
- Highly anomalous sample  
( $\geq m + 2S$ )
- Geochemically anomalous zone

Classification

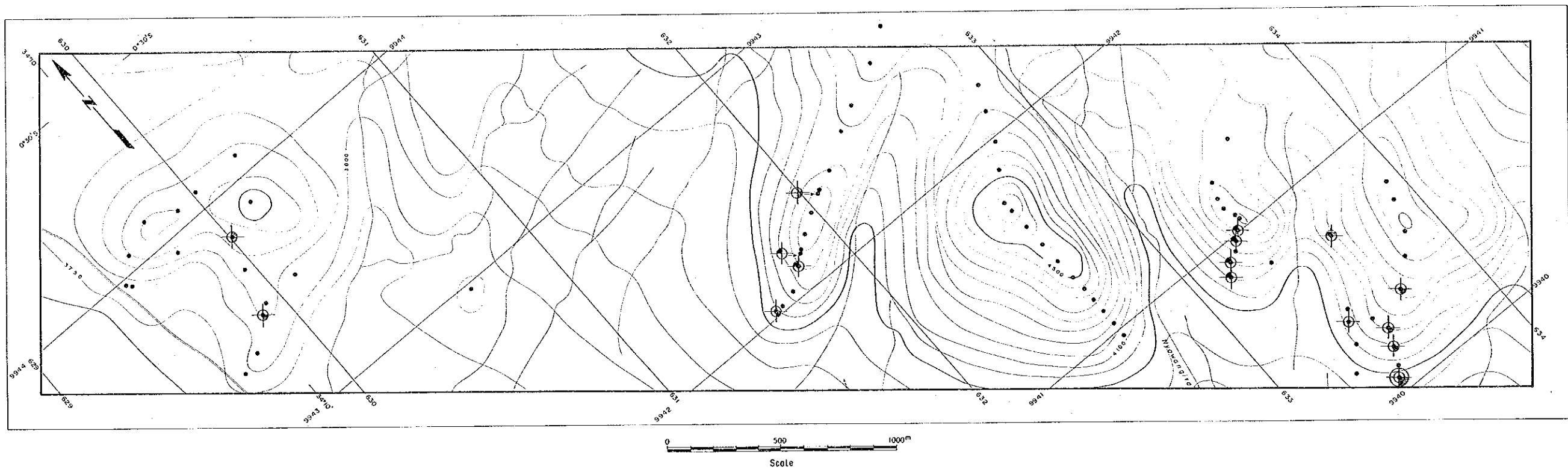
Element	Anomalous, $\geq m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Baru and Ndiru Hills.

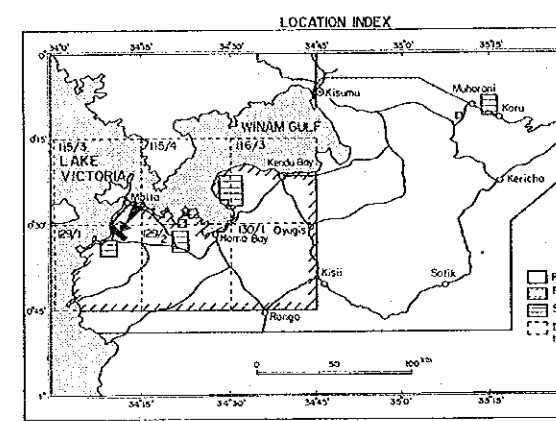
△ Soil sample



Scale 0 500 1000 m



MINERAL EXPLORATION  
IN  
THE HOMA BAY AREA, REPUBLIC OF KENYA  
(PHASE I)  
GEOCHEMICAL INTERPRETATION MAP  
OF  
THE SAGARUME-NYAMGURKA AREA  
(SEMI-DETAILED SURVEY AREA)



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
February 1988

Scale 1:10,000

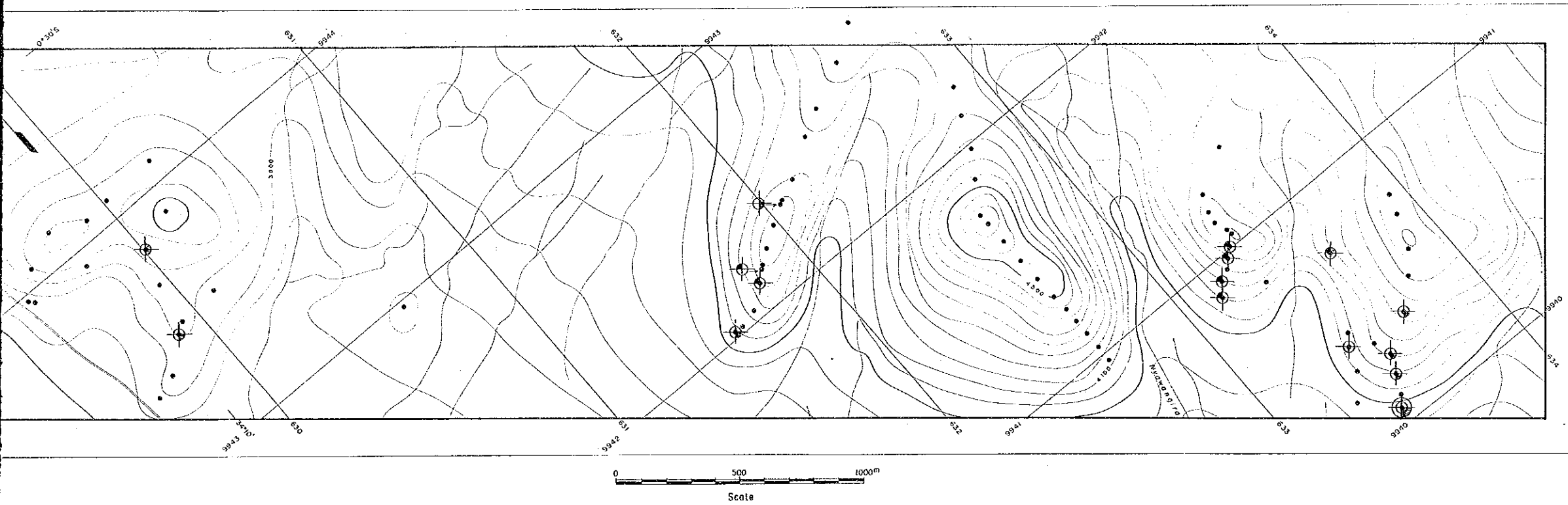
LEGEND

- Non anomalous sample
- Lo Y  
Nb P Anomalous sample  
( $\geq m + 1S$ ,  $< m + 2S$ )
- Lo Y  
Nb P Highly anomalous sample  
( $\geq m + 2S$ )
- Geochemically anomalous zone

Classification

Element	Anomalous, $\geq m + 1S$ , $< m + 2S$	Highly anomalous $\geq m + 2S$
Lo ppm	$\geq 767$ , $< 3,300$	$\geq 3,300$
Y ppm	$\geq 148$ , $< 344$	$\geq 344$
Nb ppm	$\geq 620$ , $< 2,600$	$\geq 2,600$
P %	$\geq 0.61$ , $< 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
Figures are of 1325 rock samples from all the  
Semi-detailed Survey Areas other than the  
grid-sampled areas in the Buru and Ndiru Hills.



PL. 19

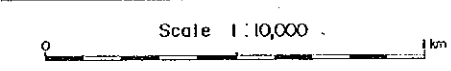
MINERAL EXPLORATION  
IN  
THE HOMA BAY AREA, REPUBLIC OF KENYA  
(PHASE I)

GEOCHEMICAL INTERPRETATION MAP  
OF  
THE SAGARUME-NYAMGURKA AREA  
(SEMI-DETAILED SURVEY AREA)

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LOCATION INDEX

JAPAN INTERNATIONAL COOPERATION AGENCY  
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### LEGEND

- Non anomalous sample
- Anomalous sample  
( $\geq m + 1S, < m + 2S$ )
- Highly anomalous sample  
( $\geq m + 2S$ )
- Geochemically anomalous zone

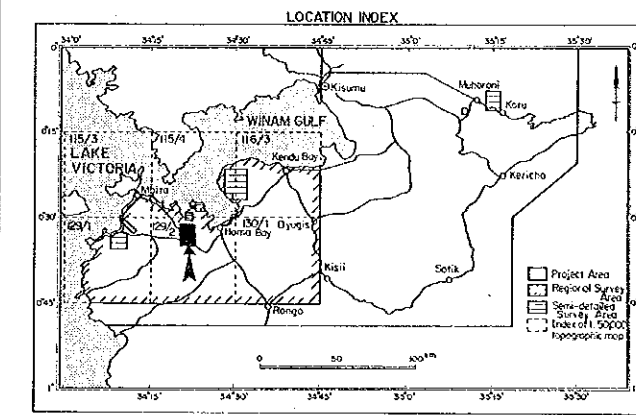
### Classification

Element	Anomalous, $\geq m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Buru and Ndiru Hills.

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MINERAL EXPLORATION  
IN  
THE HOMA BAY AREA, REPUBLIC OF KENYA  
(PHASE I)  
GEOCHEMICAL INTERPRETATION MAP  
OF  
THE SOUTH RURI AND THE NORTH RURI AREAS  
(SEMI-DETAILED SURVEY AREA)



JAPAN INTERNATIONAL COOPERATION AGENCY  
METAL MINING AGENCY OF JAPAN  
February 1988

Scale 1:10,000

LEGEND

- Non anomalous sample
- Anomalous sample  
( $\geq m+1S$ ,  $< m+2S$ )
- Highly anomalous sample  
( $\geq m+2S$ )
- Geochemically anomalous zone  
(Target area)

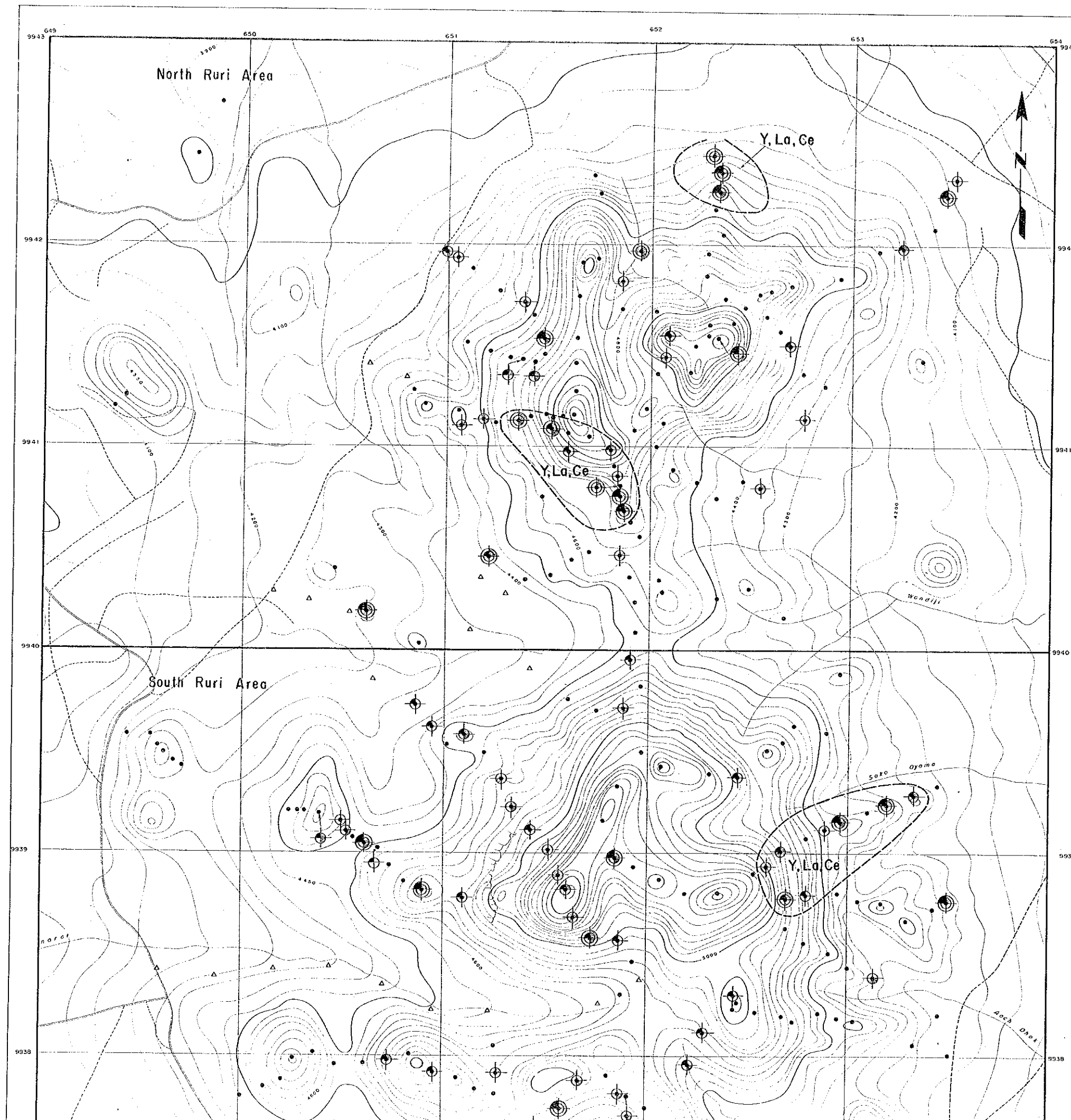
Classification

Element	Anomalous, $\geq m+1S$ , $< m+2S$	Highly anomalous $\geq m+2S$
La ppm	$\geq 767$ , $< 3,300$	$\geq 3,300$
Y ppm	$\geq 148$ , $< 344$	$\geq 344$
Nb ppm	$\geq 620$ , $< 2,600$	$\geq 2,600$
P %	$\geq 0.61$ , $< 2.17$	$\geq 2.17$

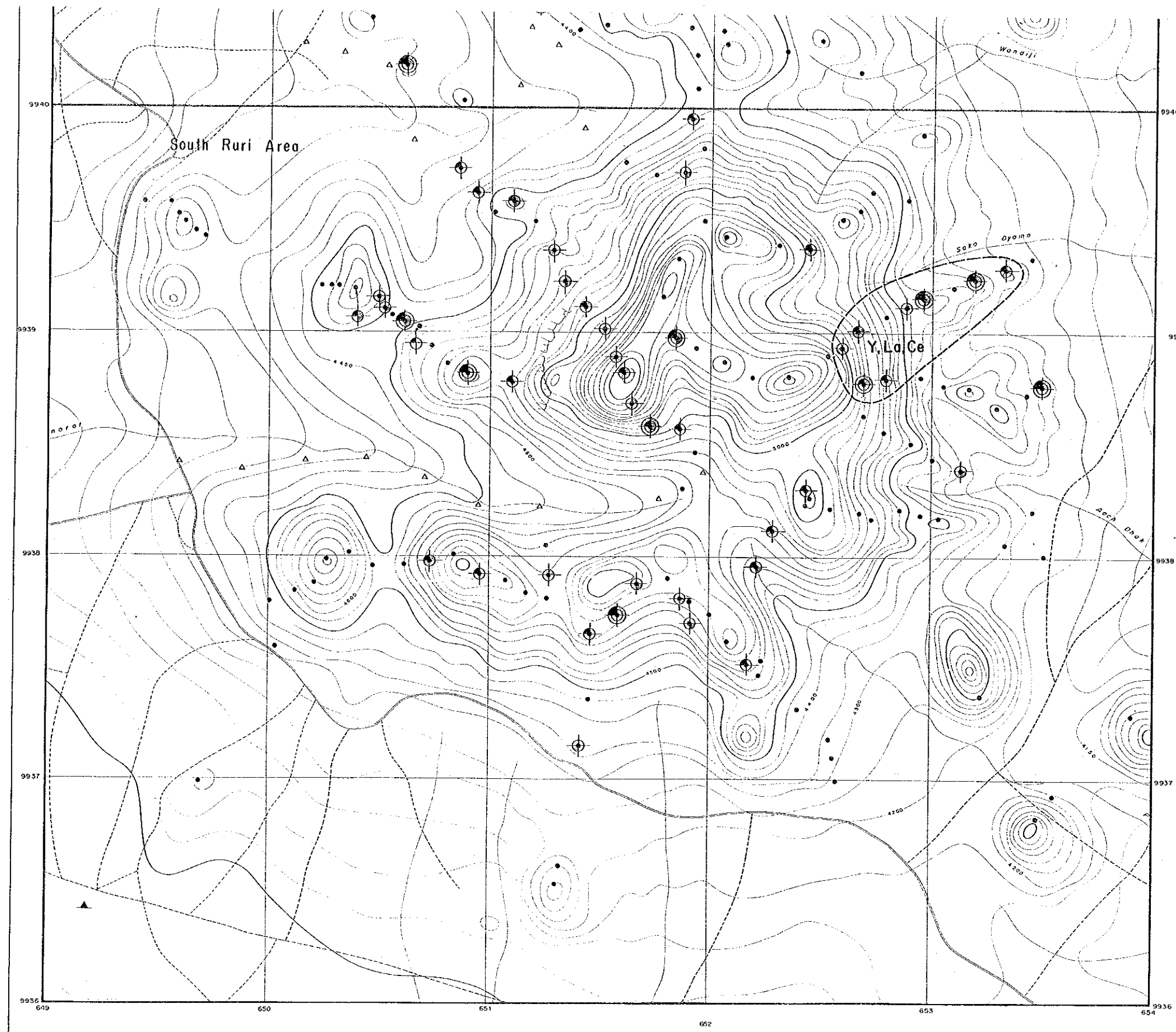
m: mean, S: standard deviation

Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Buru and Ndiru Hills.

△ Soil sample







**LEGEND**

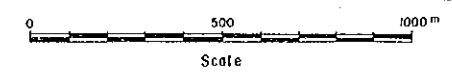
- Non anomalous sample
- Anomalous sample  
 ( $\geq m + 1S$ ,  $< m + 2S$ )
- Highly anomalous sample  
 ( $\geq m + 2S$ )
- Geochemically anomalous zone  
 (Target area)

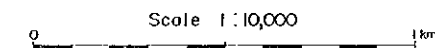
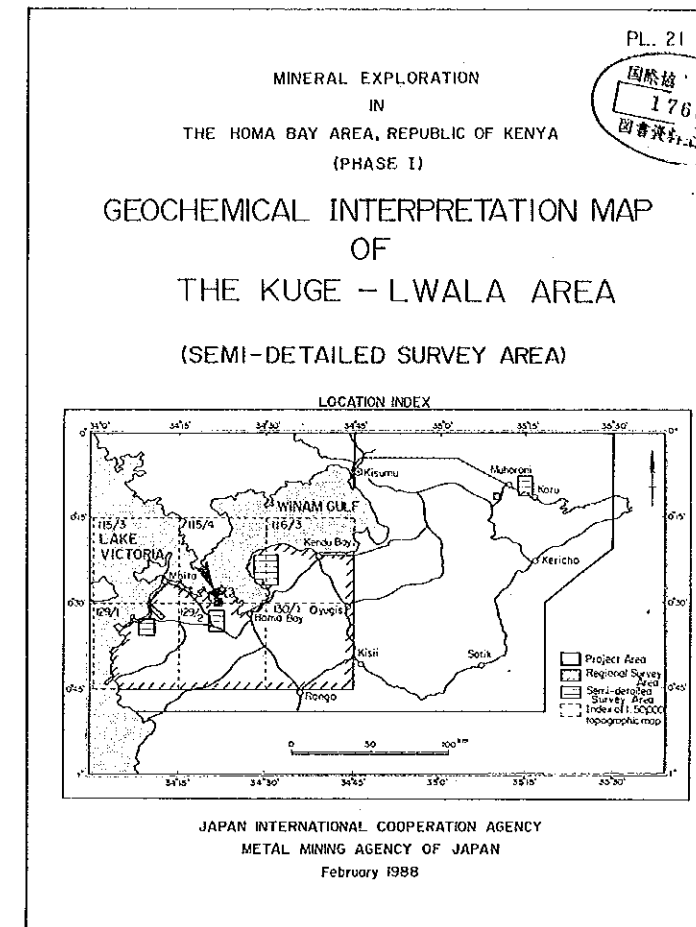
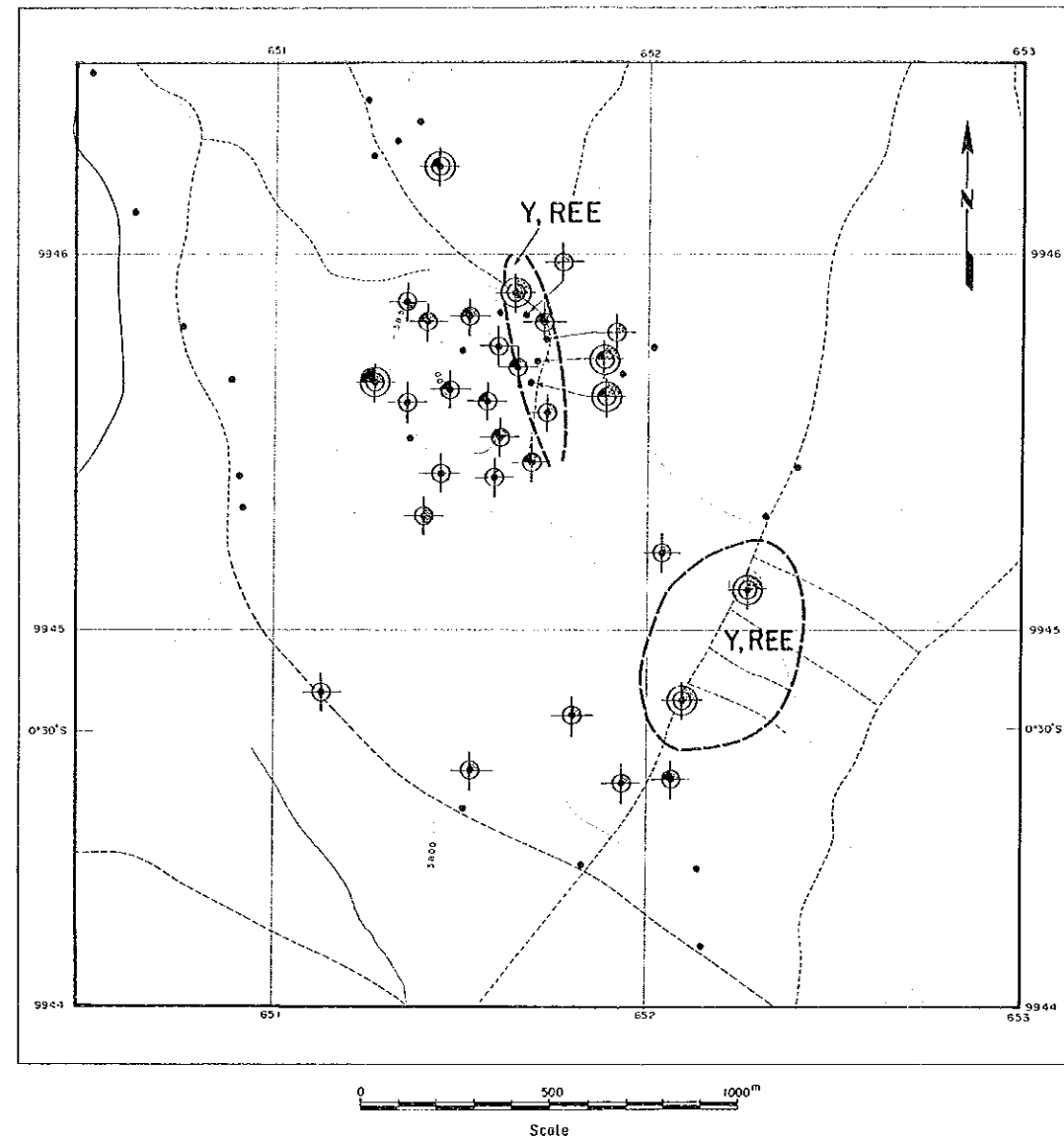
**Classification**

Element	Anomalous, $\geq m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$




m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Buru and Nduru Hills.

▲ Soil sample





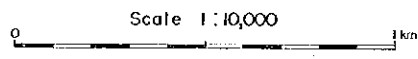
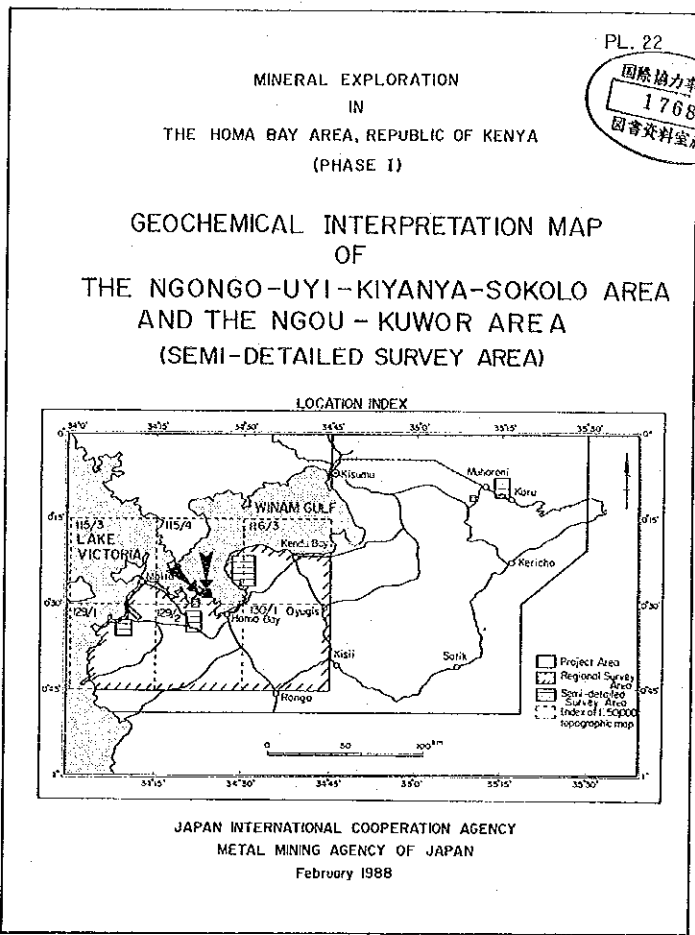
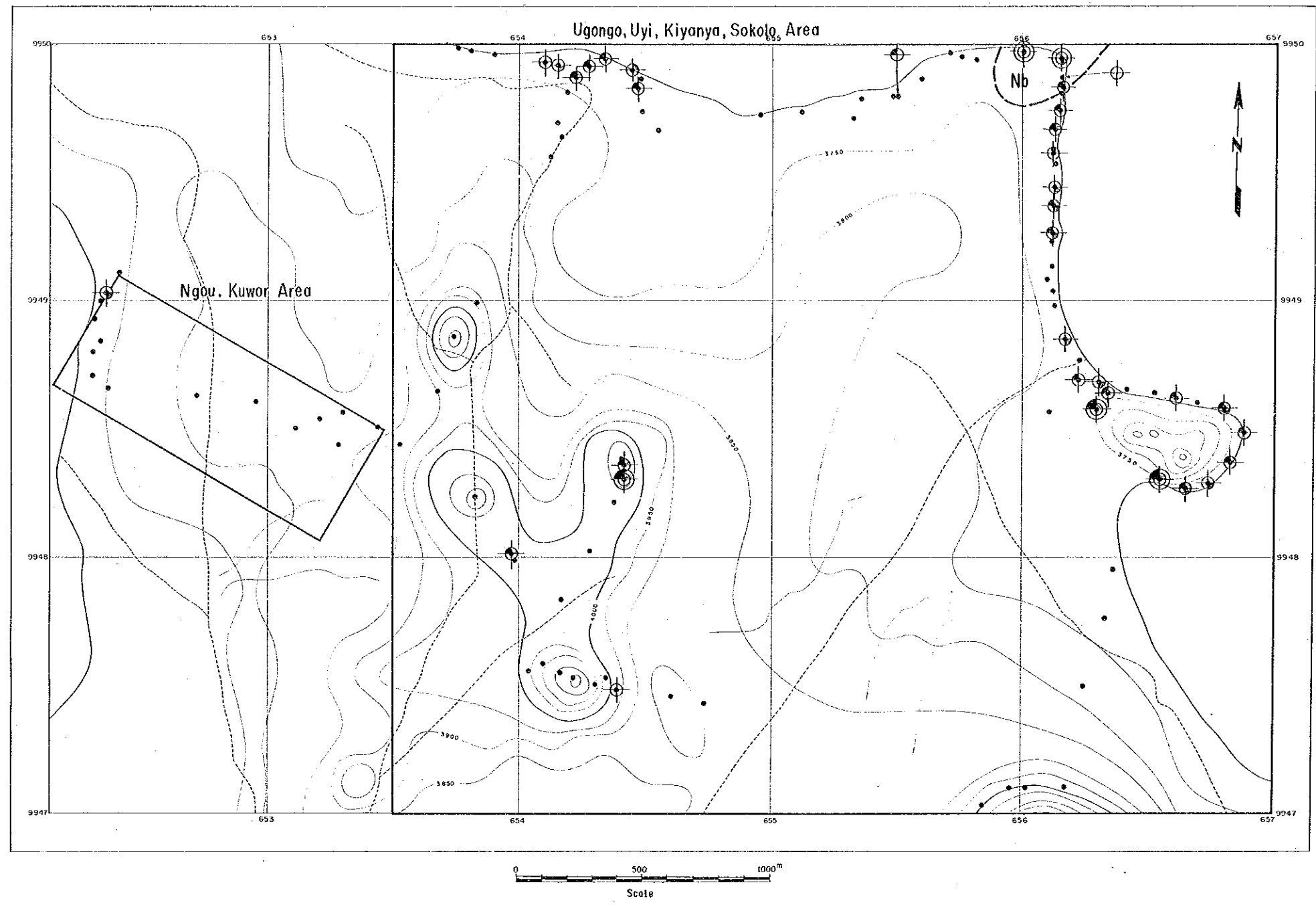
**LEGEND**

- Non anomalous sample
-  Anomalous sample  
(  $\geq m + 1S$  ,  $< m + 2S$  )
-  Highly anomalous sample  
(  $\geq m + 2S$  )
-  Geochemically anomalous zone  
(Target area)

**Classification**

Element	Anomalous, $\geq m + 1S$ , $< m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767$ , $< 3,300$	$\geq 3,300$
Y ppm	$\geq 148$ , $< 344$	$\geq 344$
Nb ppm	$\geq 620$ , $< 2,600$	$\geq 2,600$
P %	$\geq 0.61$ , $< 2.17$	$\geq 2.17$

m : mean , S : standard deviation  
 Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Baru and Ndiru Hills.



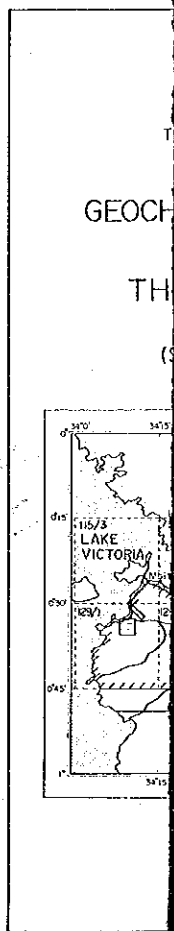
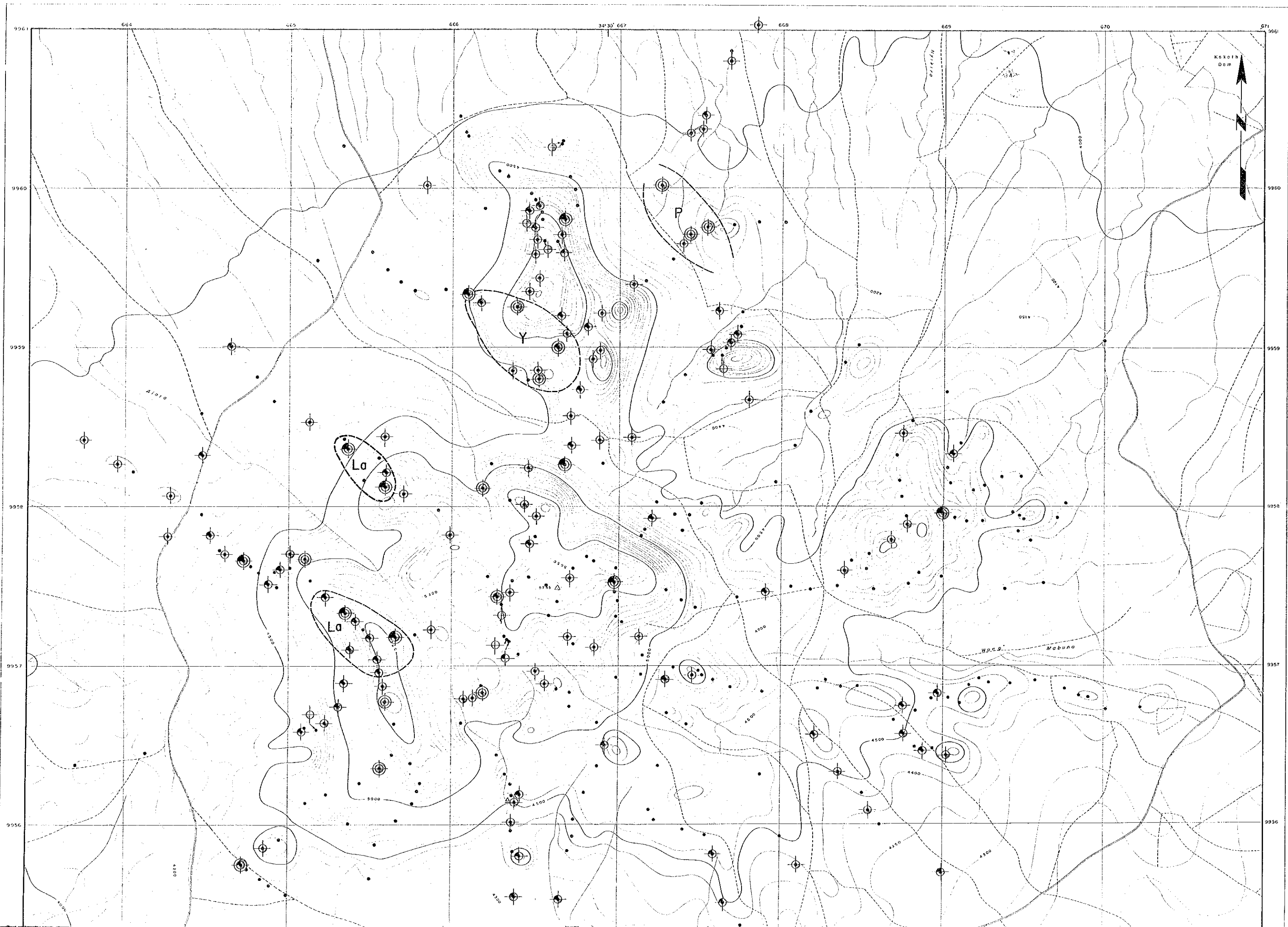
**LEGEND**

- Non anomalous sample
- Anomalous sample  
 $(\geq m + 1S, < m + 2S)$
- Highly anomalous sample  
 $(\geq m + 2S)$
- Geochemically anomalous zone

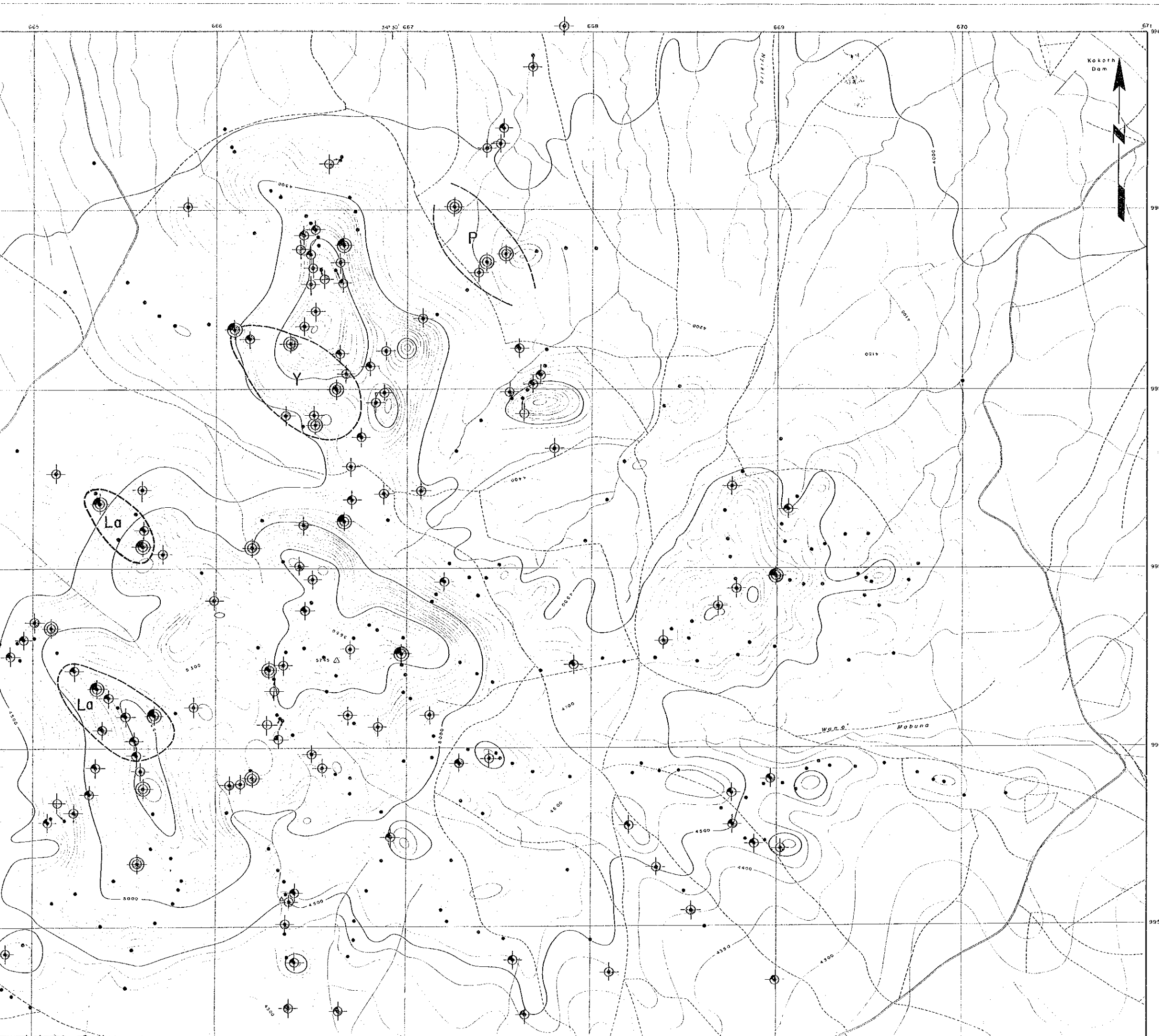
**Classification**

Element	Anomalous, $\geq m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Buru and Ndiru Hills.



La  
No  
La  
No  
E  
L  
N  
P



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MINERAL EXPLORATION  
 IN  
 THE HOMA BAY AREA, REPUBLIC OF KENYA  
 (PHASE I)

**GEOCHEMICAL INTERPRETATION MAP  
 OF  
 THE HOMA MOUNTAIN AREA  
 (SEMI-DETAILED SURVEY AREA)**

LOCATION INDEX

JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
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Scale 1:10,000  
 0 1 km

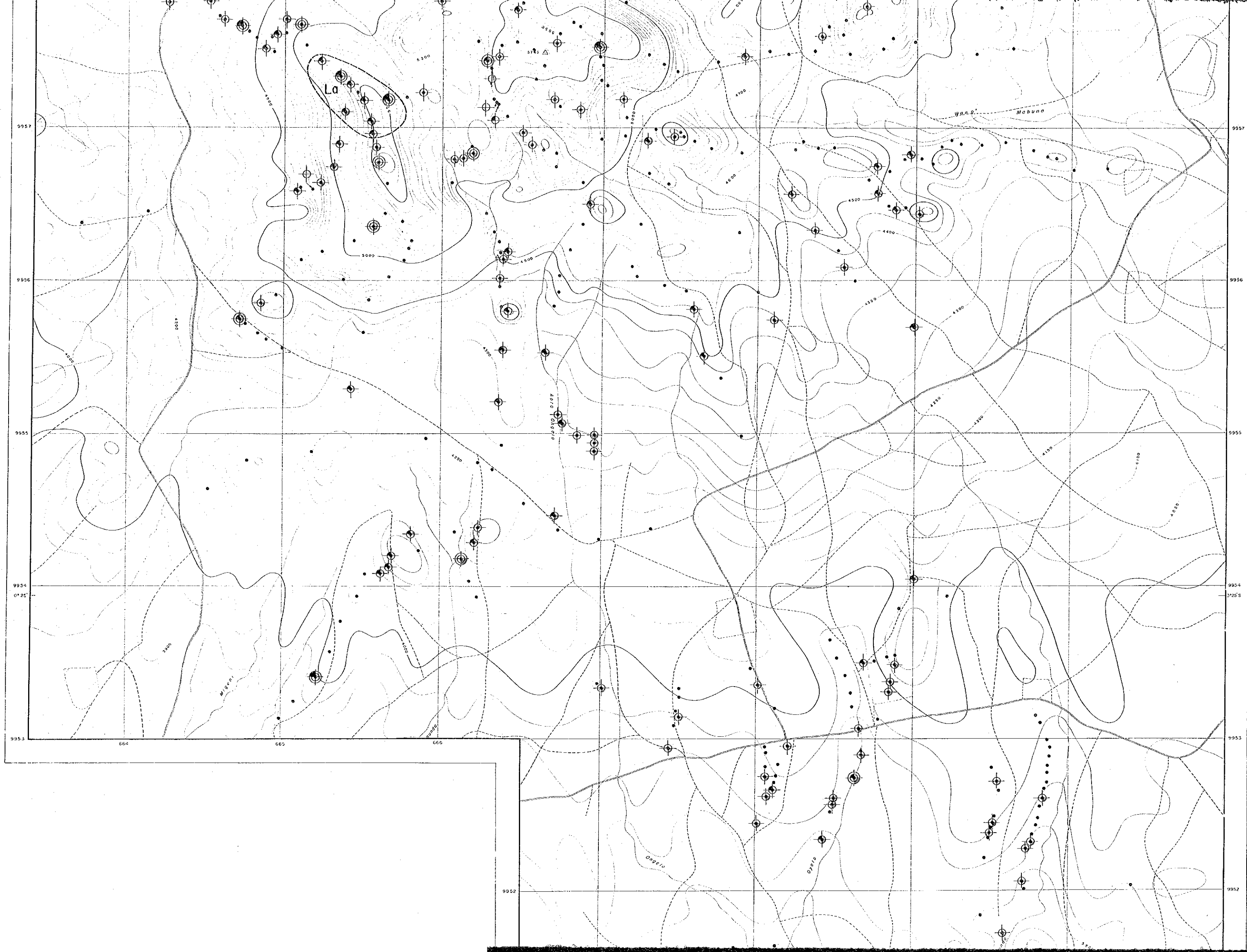
- LEGEND**
- Non anomalous sample
  - Anomalous sample  
 ( $\geq m + 1S, < m + 2S$ )
  - Highly anomalous sample  
 ( $\geq m + 2S$ )
  - Geochemically anomalous zone

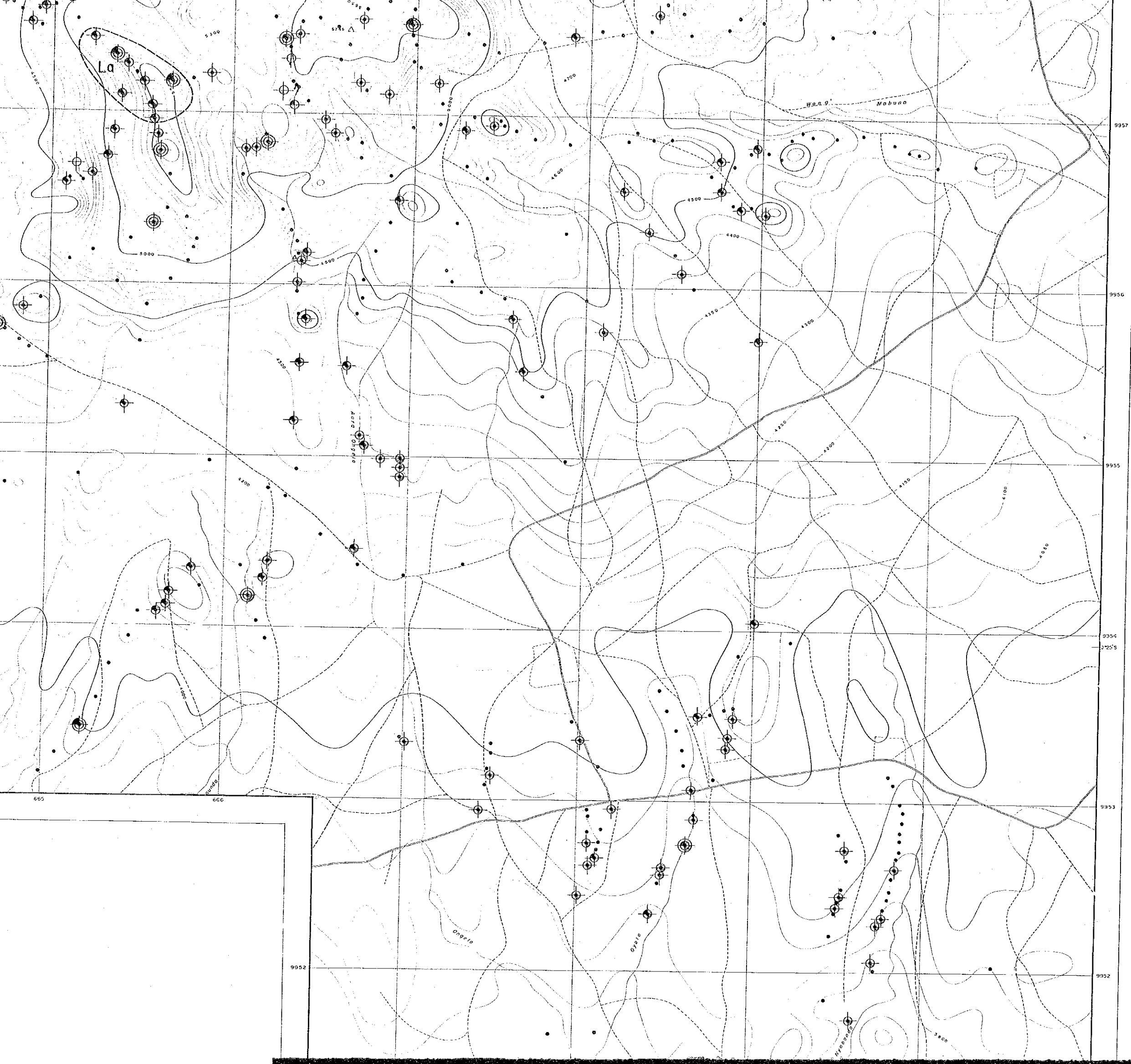
**Classification**

Element	Anomalous, $m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the  
 Semi-detailed Survey Areas other than the  
 grid-sampled areas in the Buru and Nduru Hills.

△ Soil sample





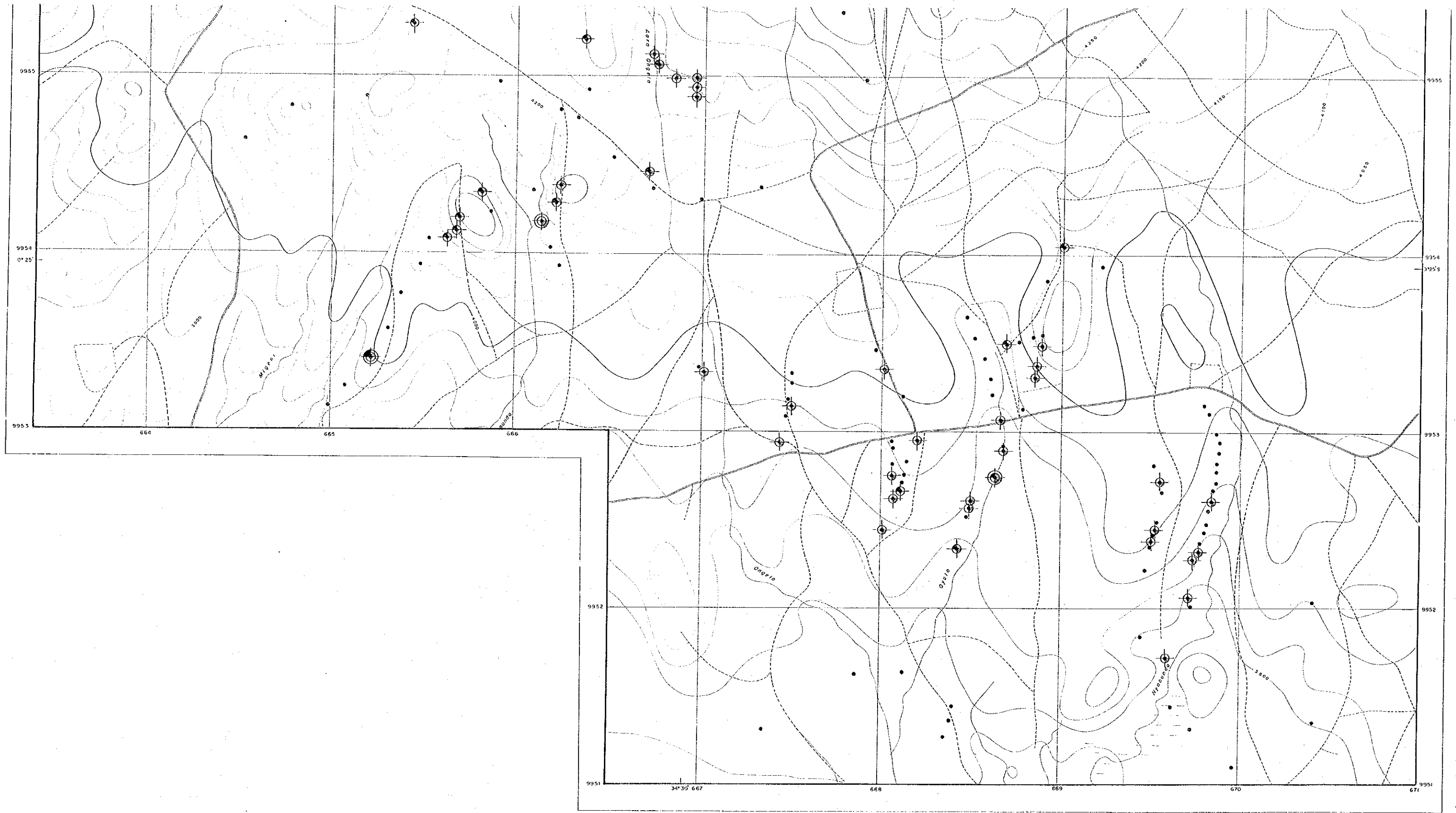
La Y  
 Nb P  
 Highly anomalous sample  
 ( $\bar{x} \pm 2S$ )  
 Geochemically anomalous zone

Classification

Element	Anomalous, $\bar{x} \pm 1S, < m + 2S$	Highly anomalous $\bar{x} \pm 2S$
La ppm	$\bar{x} \geq 767, < 3,300$	$\bar{x} \geq 3,300$
Y ppm	$\bar{x} \geq 148, < 344$	$\bar{x} \geq 344$
Nb ppm	$\bar{x} \geq 620, < 2,600$	$\bar{x} \geq 2,600$
P %	$\bar{x} \geq 0.61, < 2.17$	$\bar{x} \geq 2.17$

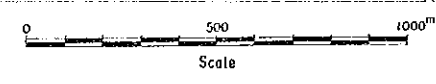
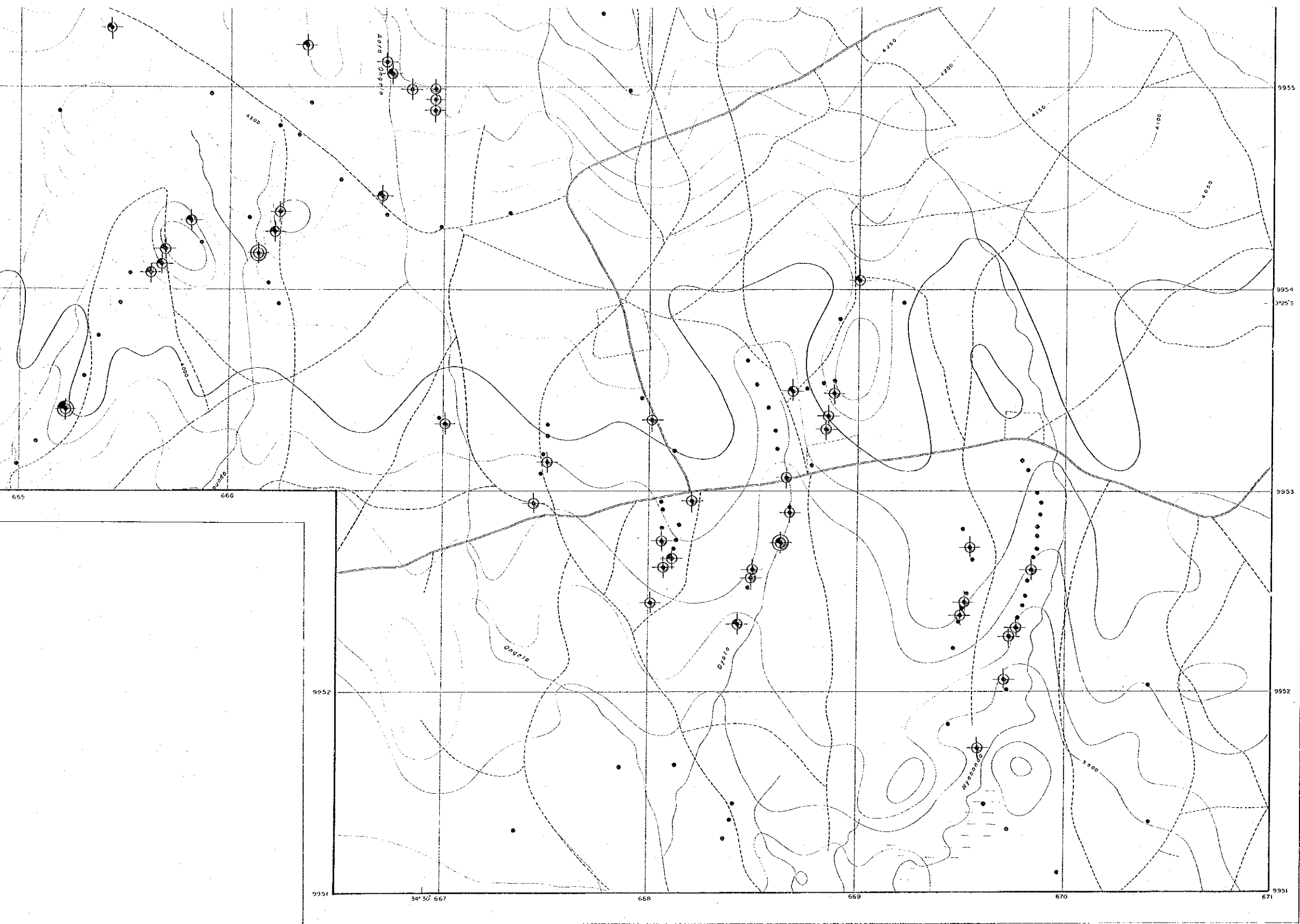
m: mean, S: standard deviation.  
 Figures are of 1325 rock samples from all the  
 Semi-detailed Survey Areas other than the  
 grid-sampled areas in the Buru and Ndiru Hills.

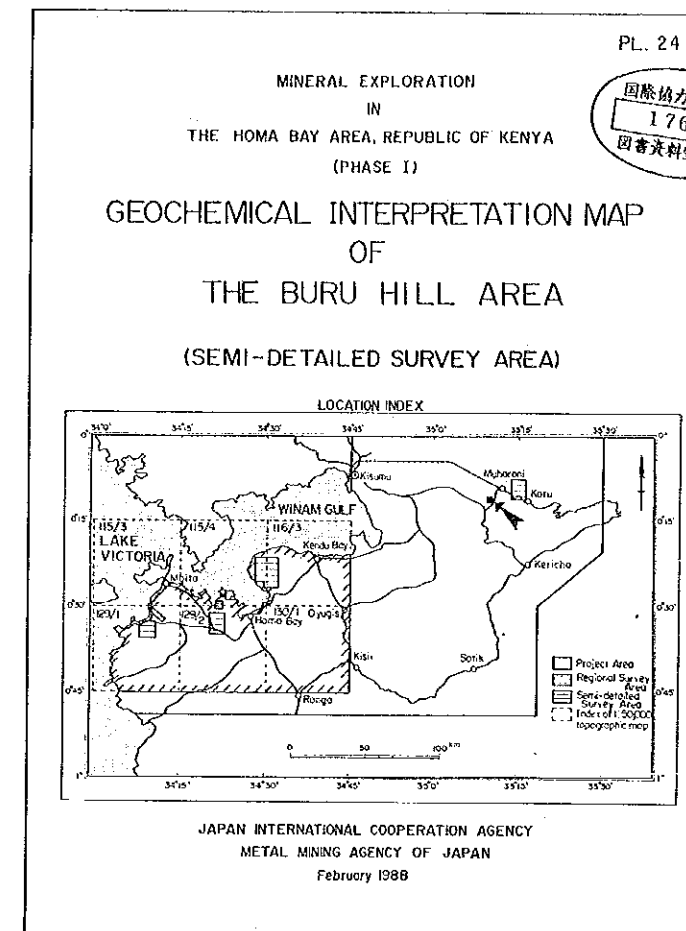
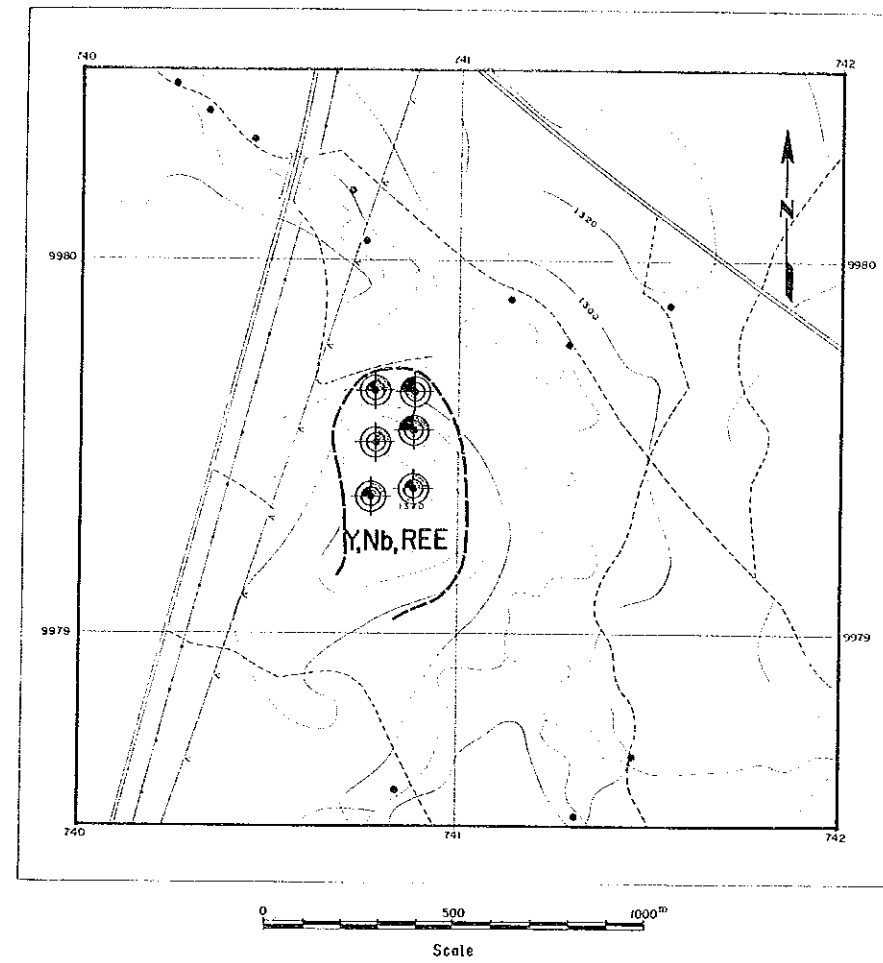
▲ Soil sample



0 500 1000<sup>m</sup>  
Scale







### LEGEND

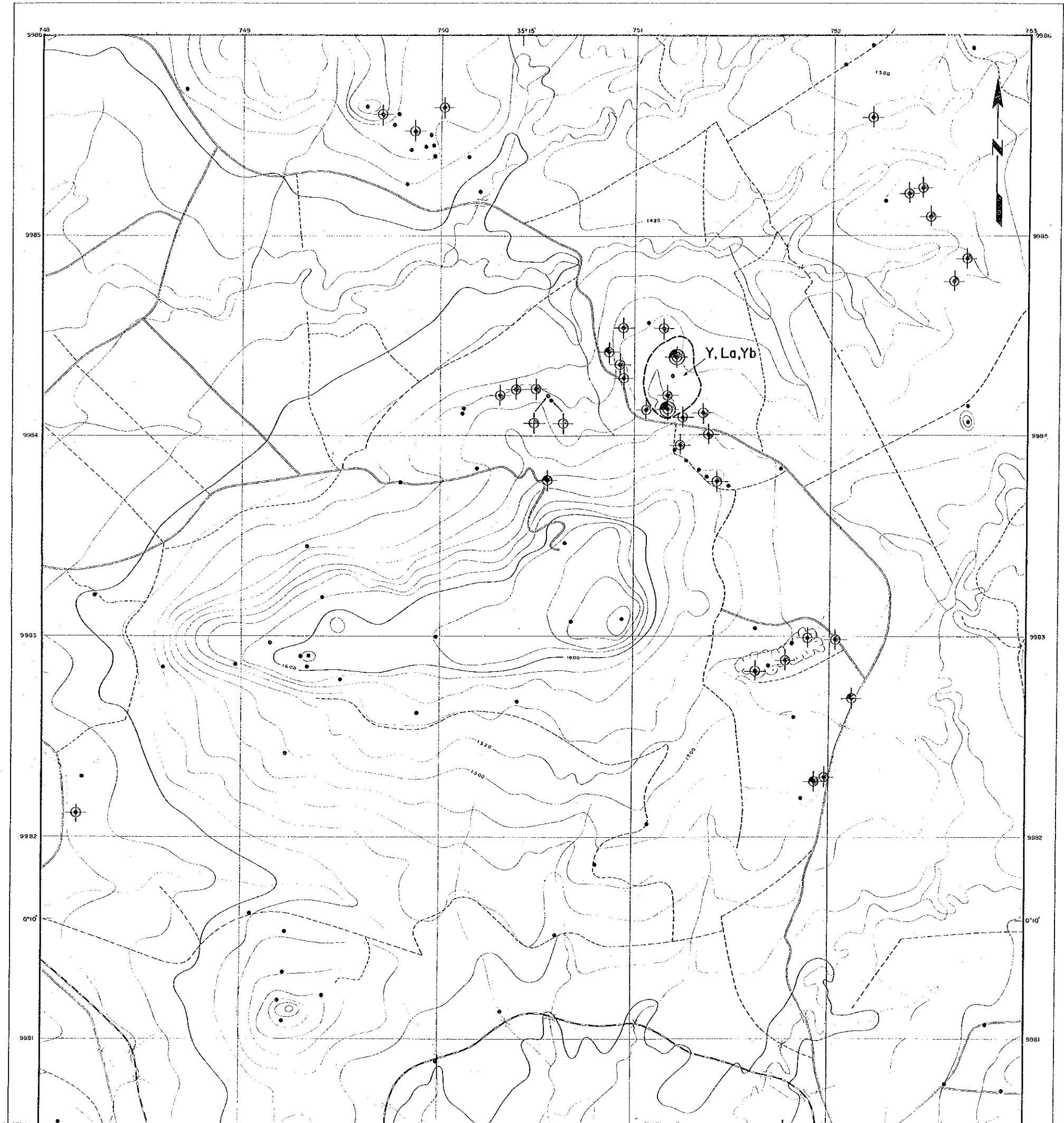
- Non anomalous sample
- Anomalous sample  
 $(\geq m + 1S, < m + 2S)$
- Highly anomalous sample  
 $(\geq m + 2S)$
- Geochemically anomalous zone  
 (Target area)

### Classification

Element	Anomalous, $\geq m + 1S, < m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767, < 3,300$	$\geq 3,300$
Y ppm	$\geq 148, < 344$	$\geq 344$
Nb ppm	$\geq 620, < 2,600$	$\geq 2,600$
P %	$\geq 0.61, < 2.17$	$\geq 2.17$

m: mean, S: standard deviation

Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Buru and Ndiru Hills.



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MINERAL EXPLORATION  
 IN  
 THE HOMA BAY AREA, REPUBLIC OF KENYA  
 (PHASE I)

GEOCHEMICAL INTERPRETATION MAP  
 OF  
 THE LEGETET HILL AREA  
 (SEMI-DETAILED SURVEY AREA)

LOCATION INDEX

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 METAL MINING AGENCY OF JAPAN  
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Scale 1:10,000  
 0 1 km

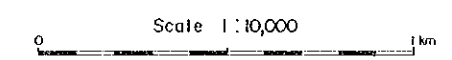
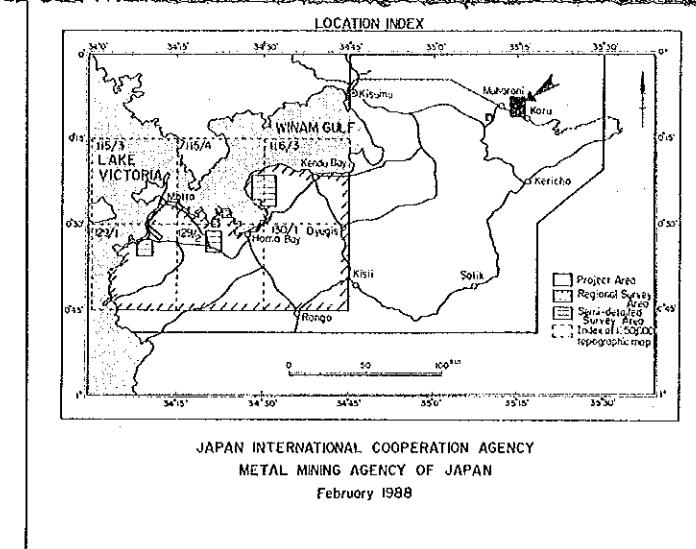
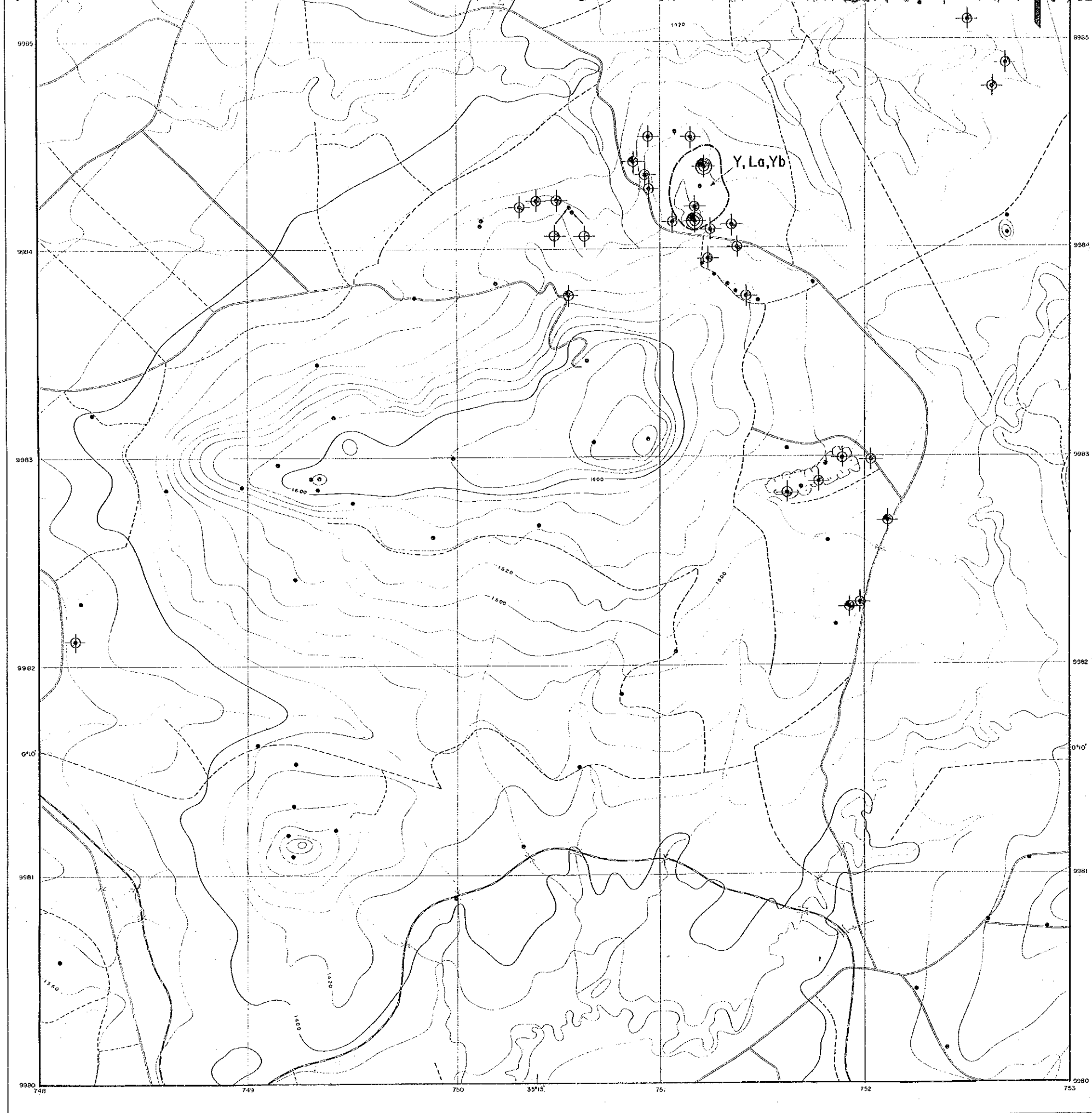
**LEGEND**

- Non anomalous sample
- Anomalous sample  
(  $\geq m + 1S$ ,  $< m + 2S$  )
- Highly anomalous sample  
(  $\geq m + 2S$  )
- Geochemically anomalous zone

**Classification**

Element	Anomalous, $\geq m + 1S$ , $< m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767$ , $< 3,300$	$\geq 3,300$
Y ppm	$\geq 148$ , $< 344$	$\geq 344$
Nb ppm	$\geq 620$ , $< 2,600$	$\geq 2,600$
P %	$\geq 0.61$ , $< 2.17$	$\geq 2.17$

m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the  
 Semi-detailed Survey Areas other than the  
 grid-sampled areas in the Buru and Nduru Hills.



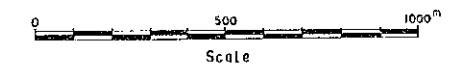
### LEGEND

- Non anomalous sample
- Anomalous sample  
 ( $\geq m + 1S$ ,  $< m + 2S$ )
- Highly anomalous sample  
 ( $\geq m + 2S$ )
- Geochemically anomalous zone

### Classification

Element	Anomalous, $\geq m + 1S$ , $< m + 2S$	Highly anomalous $\geq m + 2S$
La ppm	$\geq 767$ , $< 3,300$	$\geq 3,300$
Y ppm	$\geq 148$ , $< 344$	$\geq 344$
Nb ppm	$\geq 620$ , $< 2,600$	$\geq 2,600$
P %	$\geq 0.61$ , $< 2.17$	$\geq 2.17$

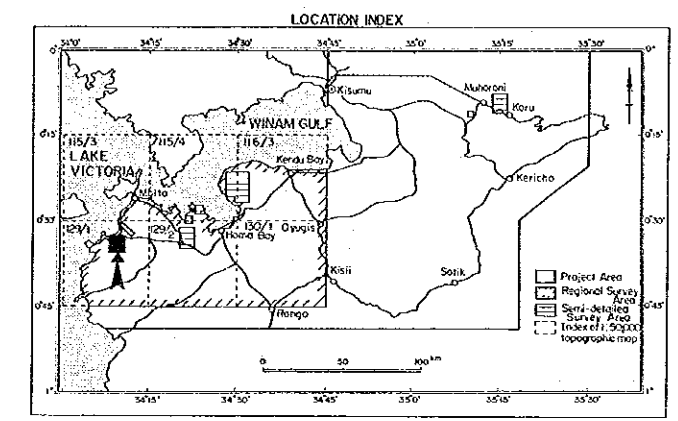
m: mean, S: standard deviation  
 Figures are of 1325 rock samples from all the Semi-detailed Survey Areas other than the grid-sampled areas in the Buru and Ndiru Hills.



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MINERAL EXPLORATION  
 IN  
 THE HOMA BAY AREA, REPUBLIC OF KENYA  
 (PHASE I)

LOCATION MAP OF GEOCHEMICAL SAMPLES  
 OF  
 THE RANGWA AREA  
 (SEMI-DETAILED SURVEY AREA)



JAPAN INTERNATIONAL COOPERATION AGENCY  
 METAL MINING AGENCY OF JAPAN  
 February 1988

Scale 1:10,000



LEGEND

- 999906 Sampling site and sample number of geochemical rock sample
- △ 1000016 Sampling site and sample number of geochemical soil sample

