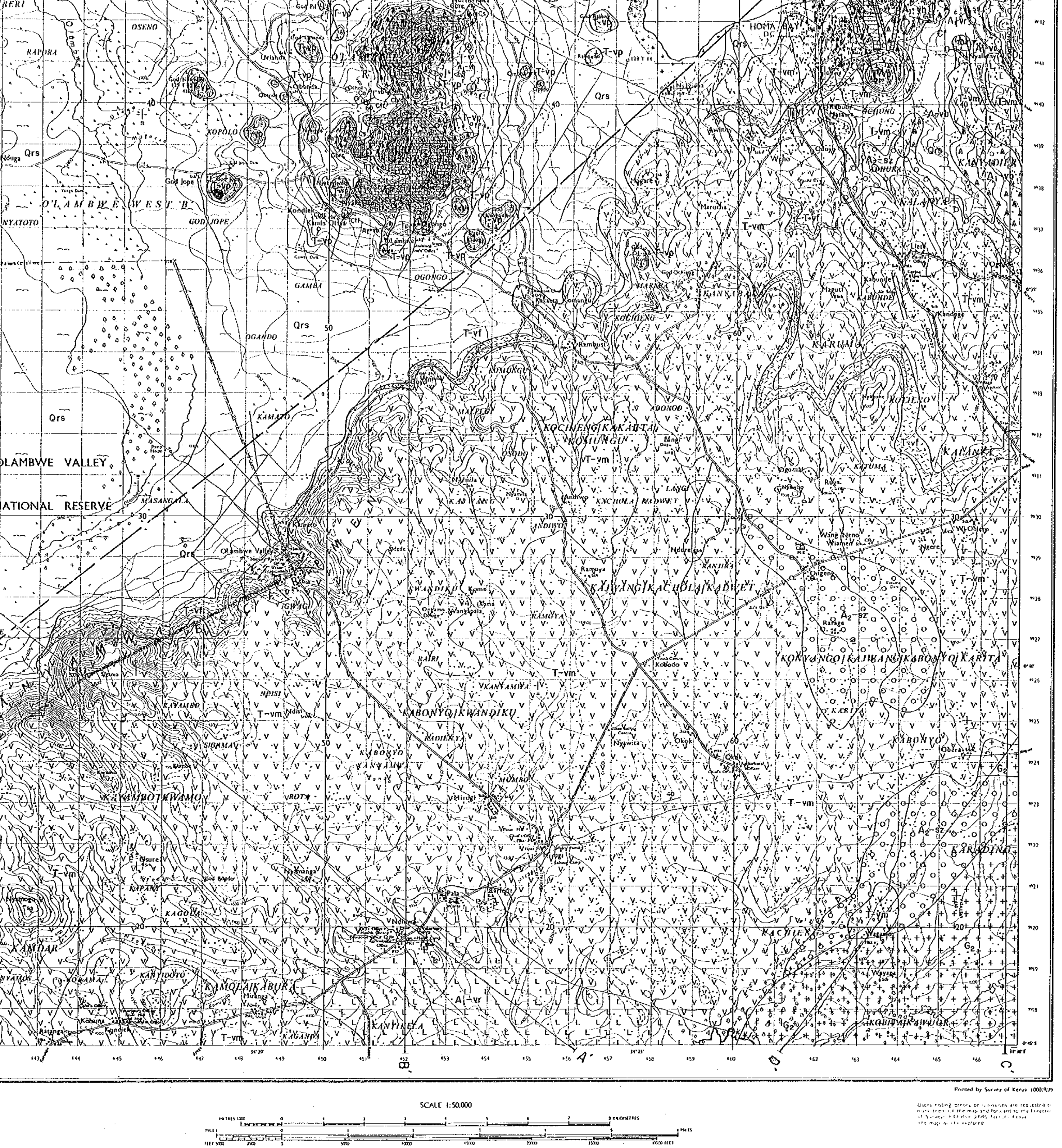

SCALE 1:50,000

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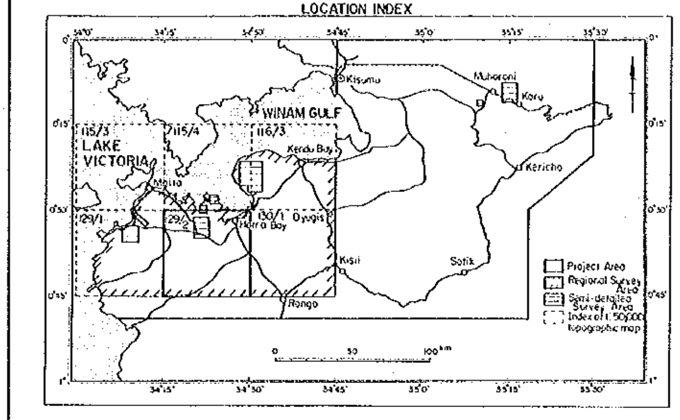

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
February 1988

Scale 1 : 50,000

0 1 2 3 4 5km

LEGEND

RECENT	Qrs	Surficial deposits and alluvium
	Qrst	Talus deposits (RANGWA Area)
	Qpsl	Lake beds
PLEISTCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series) (HOMA MOUNTAIN Area)
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff (HOMA MOUNTAIN Area)
TERTIARY	T-vp	Phonolite
	T-vpn	Phonolitic nephelinite (KUGE Area)
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	T-vf	Melonephelinitic pyroclastic rocks
	T-vm	Melonephelinite, melilitite
	T-vn	Nephelinite agglomerate, pyroclastic rocks
	Tmsl	Lake beds; calcareous sandstone and calcareou tuff
	BUKOBAN SYSTEM	
PRECAMBRIAN	Ᵽ-mq	Quartzite
	Ᵽ-mt	Kisii "soapstone"
	Ᵽ-vb	Basalt
	KAVIRONDIAN SYSTEM	
	A_2-sz	Conglomerate and sandstone
	KAKSINGIRI SCHISTS	
	A_{1-2}-ms^{bq}	Biotite-quartz schist
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	A_1-vr	Rhyolite and rhyolitic tuff
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Strike and dip of bedding

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INTRUSIVE AND PYROCLASTIC ROCKS

	Carbonatite	
	Cf	Ferrocarbonatite
	Ca	Alvikite (C: RANGWA Area)
	Cs	Sövite
	Cbrc	Carbonatitic breccia
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	T-vf$_1$	Tuff breccia (Lower agglomerate) (RANGWA Area)
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	G_3	Granite, granodiorite
	D	Diorite
	POST-NYANZIAN	
	G_2	Granite, granodiorite

MINOR INTRUSIONS

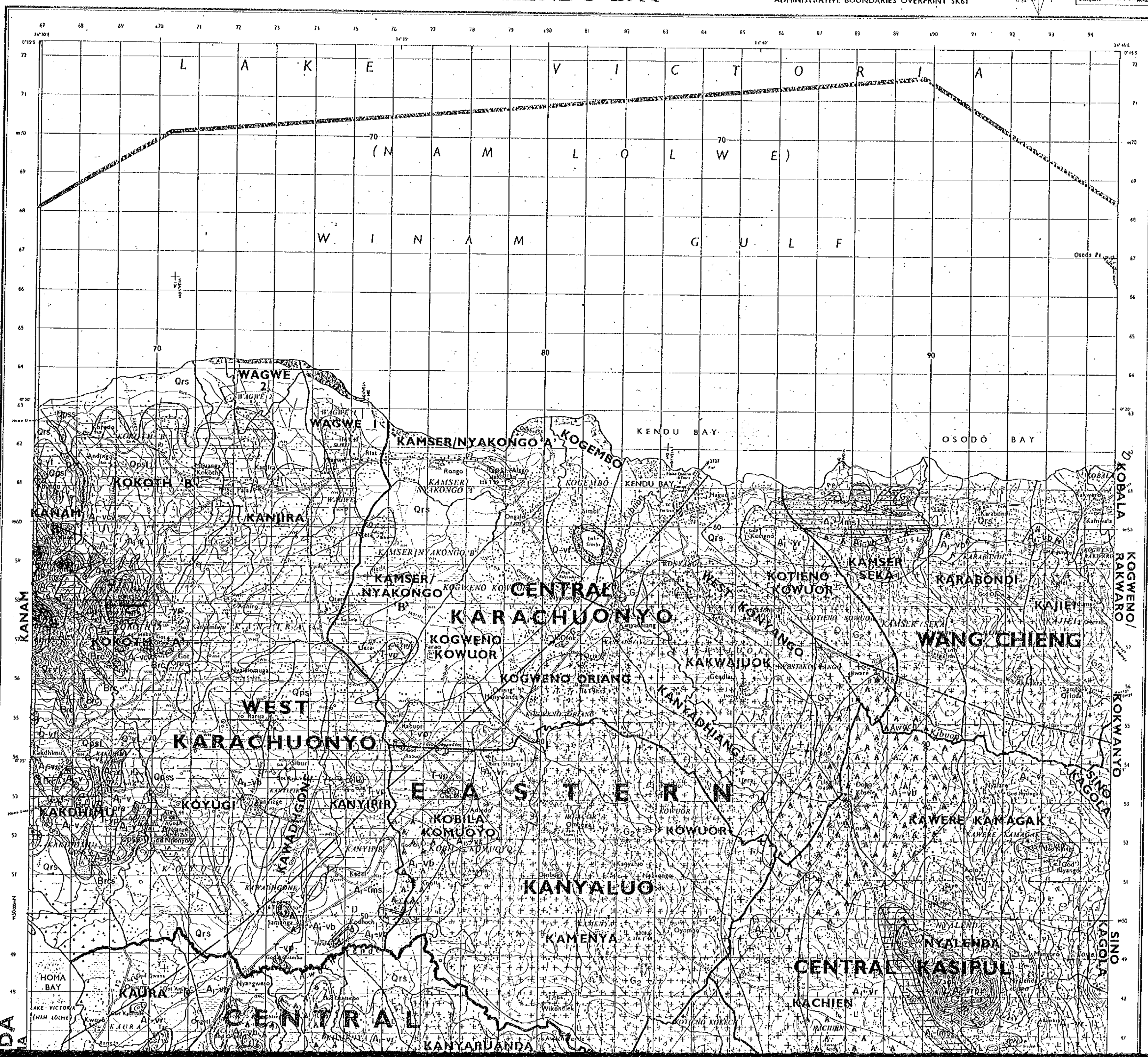
P	Phonolite dyke
N	Nephelinite dyke
Dl	Dolerite
B	Gabbro
Px	Pyroxenite
Qp	Quartz porphyry
Fe-ore	Iron ore (scattered zone) and gossan zone
Qv	Quartz vein

EAST AFRICA 1:50,000 (KENYA)

KENDU BAY

ADMINISTRATIVE BOUNDARIES OVERPRINT SK61

Series SK61
Sheet 116/3
Edition 5A-SK



MINERAL E[...]
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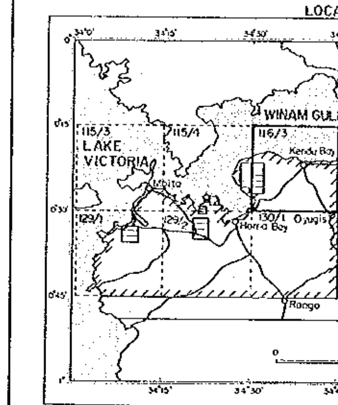
THE KENDU [...]

(REGIONAL SU[...]

LOCATION [...]



JAPAN INTERNATIONAL [...]
METAL MINING AGE[...]
February[...]

Scale 1 [...]

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BUKOBAN SYSTEM

Age	Symbol	Description
PRECAMBRIAN	Ɛ-mq	Quartzite
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	Ɛ-vb	Basalt

KAVIRONDIAN SYSTEM

Symbol	Description
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KAKSINGIRI SCHISTS

Symbol	Description
$A_{1-2}ms^{bq}$	Biotite-quartz schist
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INTRUSIVE AND P[...]

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POST - KAVIRONDIA[...]

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POST - NYANZIAN

Symbol	Description
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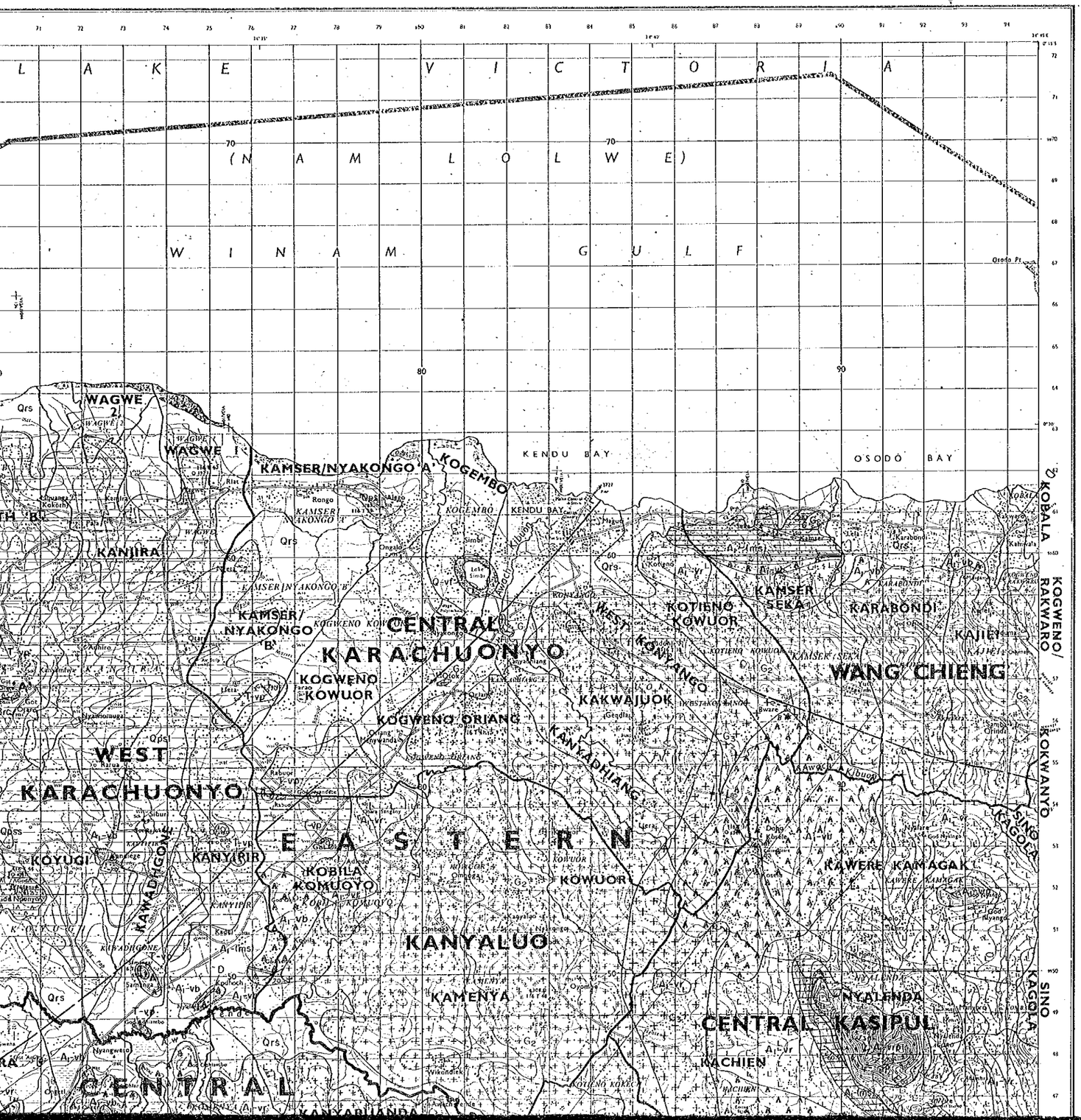
(ENYA)

KENDU BAY

ADMINISTRATIVE BOUNDARIES OVERPRINT SK61

Grid North / Magnetic North / True North

Series	SK61
Sheet	116/3
Edition	SA-SK



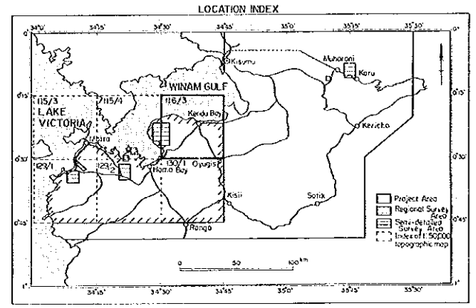
PL. 5

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

GEOLOGICAL MAP OF THE KENDU BAY AREA

(REGIONAL SURVEY AREA)

LOCATION INDEX



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
February 1988

Scale 1 : 50,000
0 1 2 3 4 5km

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PRECAMBRIAN

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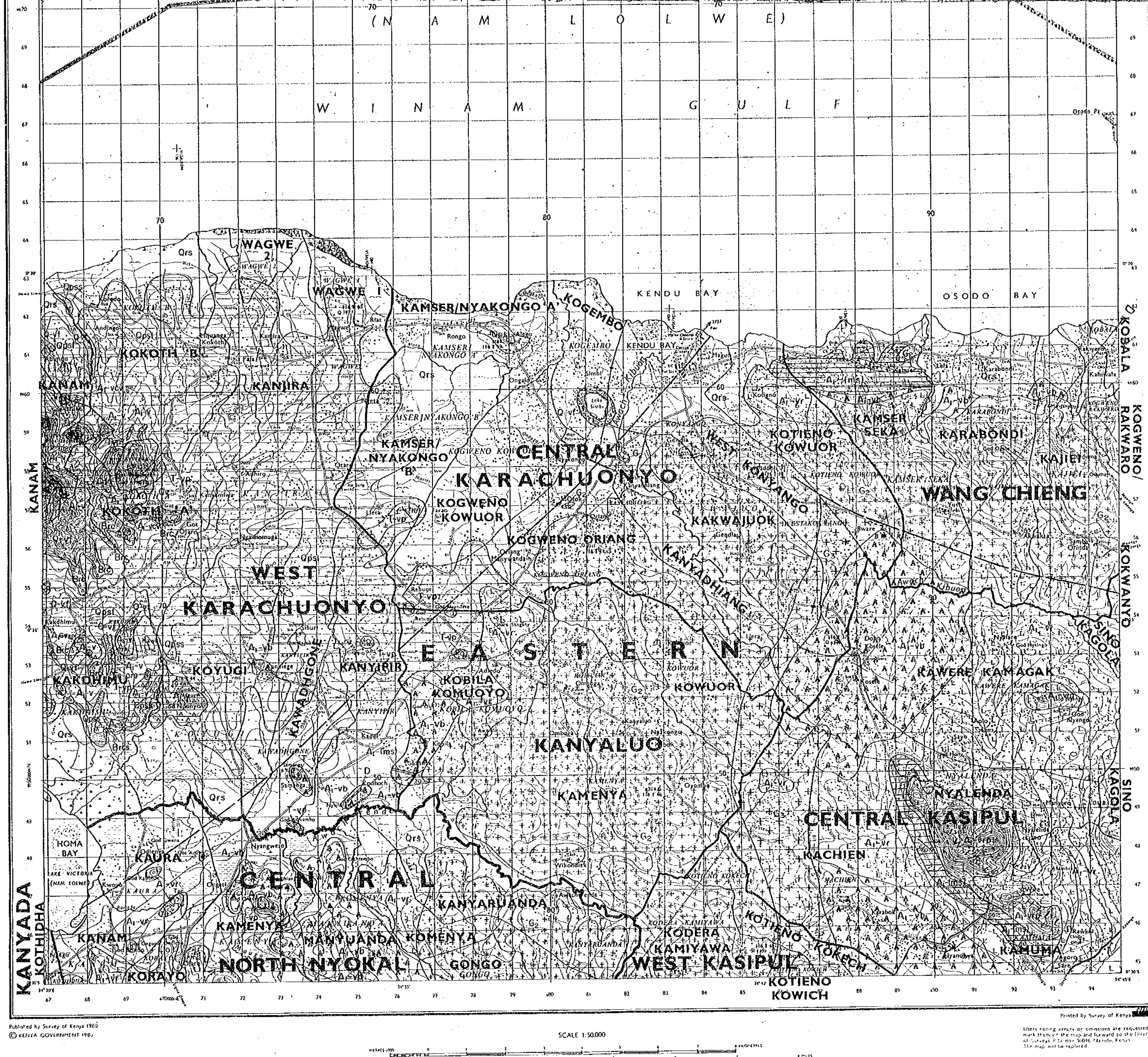
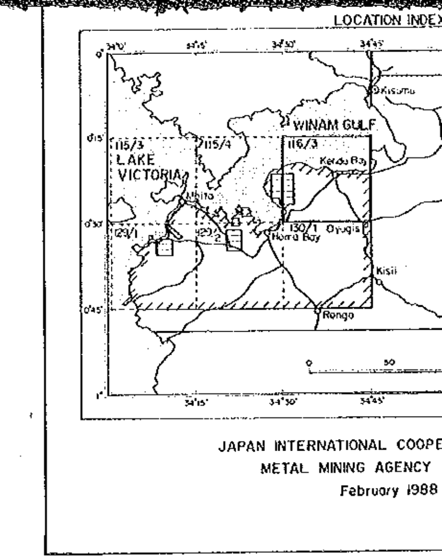
MINOR INTRUSIONS





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POST-NYANZIAN

Symbol	Description
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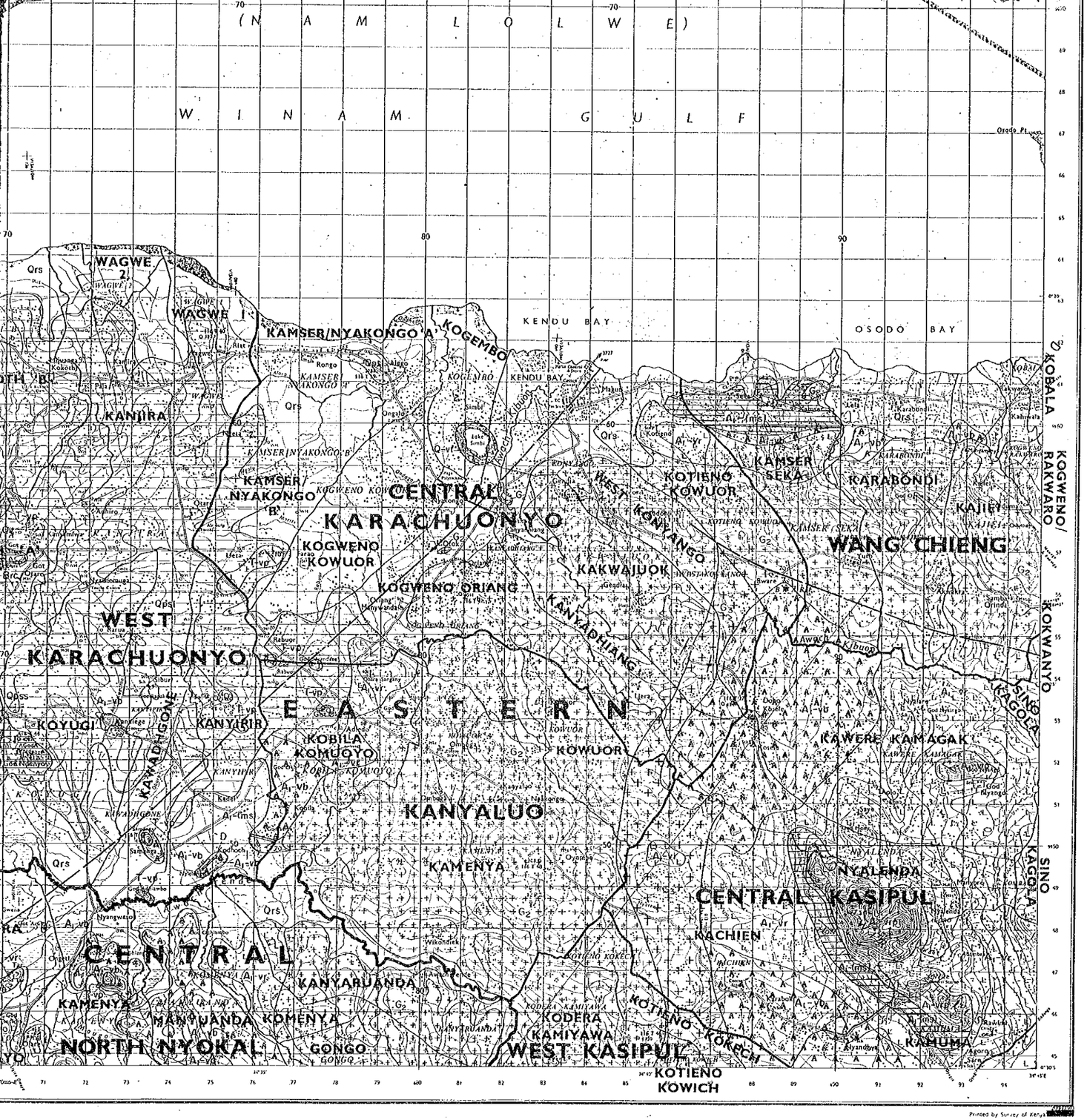

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Printed by Survey of Kenya

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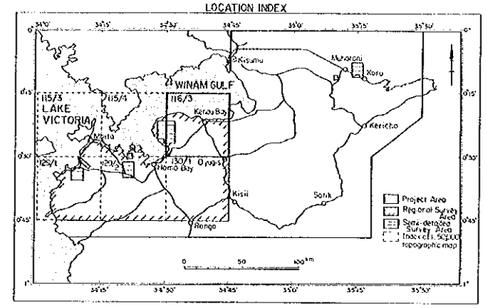

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EAST AFRICA 1:50,000 (KENYA)

OYUGIS

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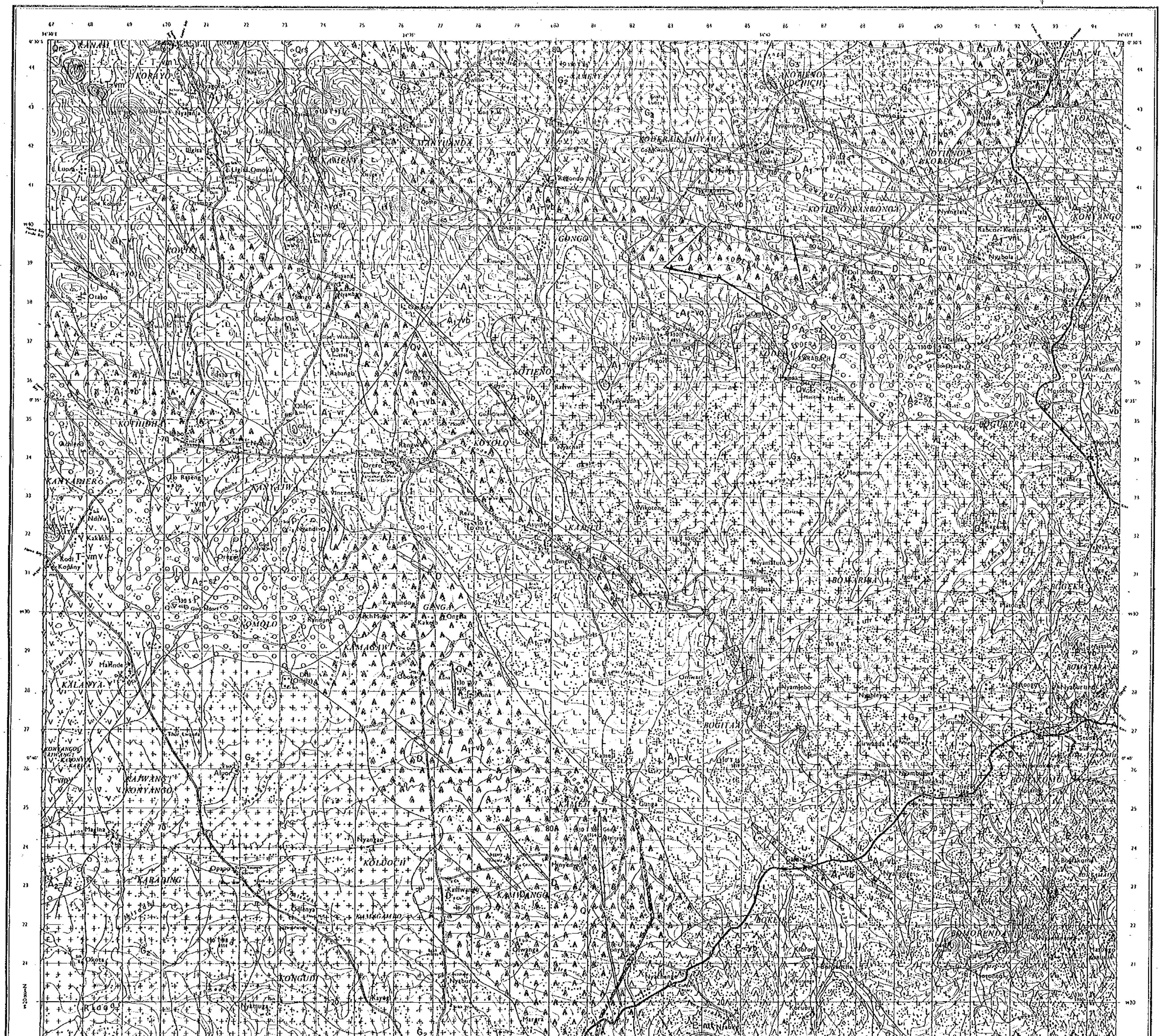
Sheet	130/1
Edition	5-SK



MINERAL EXPLO

IN

THE HOMA BAY AREA, REP

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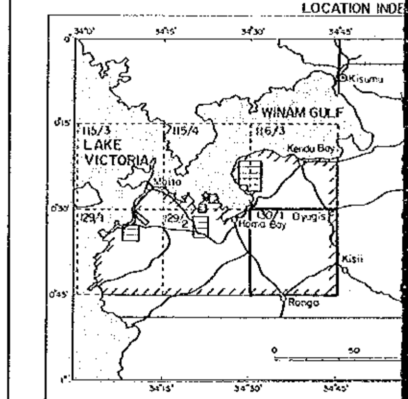
OF
THE OYUGIS

(REGIONAL SURVE

LOCATION INDE



JAPAN INTERNATIONAL COOP

METAL MINING AGENCY

February 1986

Scale 1 : 50,

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TERTIARY ~ QUATERNARY	Cbrc	Carbonatitic bre
TERTIARY ~ QUATERNARY	Phvb	Phonolite vent brec carbonatite breccia
TERTIARY ~ QUATERNARY	Brc	Calcareous ache

Pyroclastic rocks

Age	Symbol	Description
TERTIARY ~ QUATERNARY	Fb	Ferrugious breccia
TERTIARY ~ QUATERNARY	T-vf5	Calcareous lapill
TERTIARY ~ QUATERNARY	T-vf4	Calcareous tuff
TERTIARY ~ QUATERNARY	T-vf3	Calcareous lapil
TERTIARY ~ QUATERNARY	T-vf2	Calcareous bedd
TERTIARY ~ QUATERNARY	T-vf1	Tuff breccia (L
TERTIARY ~ QUATERNARY	Ctf	Extrusive carbon
TERTIARY ~ QUATERNARY	Cp	Calcareous pyro

INTRUSIVE ROCKS

Age	Symbol	Description
TERTIARY ~ QUATERNARY	Brcs	Siliceous breccia
TERTIARY ~ QUATERNARY	Sy	Nepheline syeni
TERTIARY ~ QUATERNARY	ImP	Micro-ijolite, p
TERTIARY ~ QUATERNARY	I	Ijolite, uncompah

POST-KAVIRONDIAN

Age	Symbol	Description
PRECAMBRIAN	P-mf	Fenitized granitic
PRECAMBRIAN	G3	Granite, granodi
PRECAMBRIAN	D	Diorite

POST-NYANZIAN

Age	Symbol	Description
PRECAMBRIAN	G2	Granite, granodi

MINOR INTRUSIONS

YA)

OYUGIS

Series	Y731
Sheet	130/1
Edition	5-SK

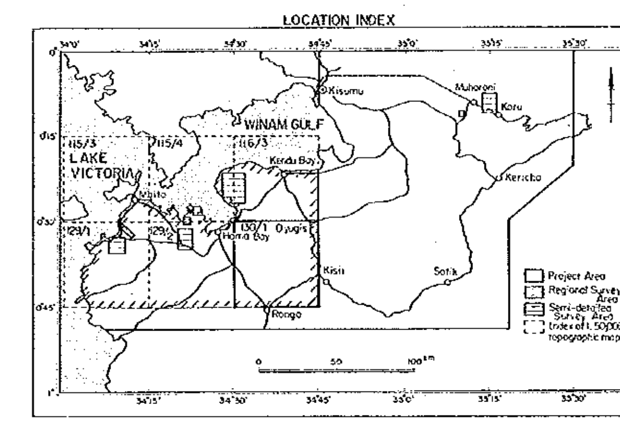
PL. 6

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

GEOLOGICAL MAP OF THE OYUGIS AREA

(REGIONAL SURVEY AREA)

LOCATION INDEX



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
February 1988

Scale 1 : 50,000
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LEGEND

Age	Symbol	Description
RECENT	Qrs	Surficial deposits and alluvium
RECENT	Qrst	Talus deposits (RANGWA Area)
PLEISTCENE	Opsl	Lake beds
PLEISTCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series) (HOMA MOUNTAIN Area)
PLEISTCENE	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff (HOMA MOUNTAIN Area)
TERTIARY	T-vp	Phonolite
TERTIARY	T-vpn	Phonolitic nephelinite (KUGE Area)
TERTIARY	T-vp'	Porphyritic phonolite (SOKOLO Area)
TERTIARY	T-vf	Melanephelinitic pyroclastic rocks
TERTIARY	T-vm	Melanephelinite, melilitite
TERTIARY	T-vn	Nephelinite agglomerate, pyroclastic rocks
TERTIARY	Tmsl	Lake beds; caloreous sandstone and calcareou tuff

BUKOBAN SYSTEM

Age	Symbol	Description
PRECAMBRIAN	P-mq	Quartzite
PRECAMBRIAN	P-mt	Kisii "soapstone"
PRECAMBRIAN	P-vb	Basalt

KAVIRONDIAN SYSTEM

Age	Symbol	Description
PRECAMBRIAN	A_2-sz	Conglomerate and sandstone

KAKSINGIRI SCHISTS

Age	Symbol	Description
PRECAMBRIAN	A_{1-2}-ms^{bq}	Biotite-quartz schist
PRECAMBRIAN	A_{1-2}-ms^{h}	Amphibole schist

NYANZIAN SYSTEM

Age	Symbol	Description
PRECAMBRIAN	A_1-vbc, A_1-vcd	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite (HOMA MOUNTAIN Area)
PRECAMBRIAN	A_1-vcv	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite (HOMA MOUNTAIN Area)
PRECAMBRIAN	A_1-v	Shattered Nyanzian volcanic rocks mainly metaandesile and metarhyolite (HOMA MOUNTAIN Area)
PRECAMBRIAN	A_1-vrp	Porphyritic rhyolite
PRECAMBRIAN	A_1-vr	Rhyolite and rhyolitic tuff
PRECAMBRIAN	A_1-va	Andesite

INTRUSIVE AND PYROCLASTIC ROCKS

Carbonatite

Age	Symbol	Description
TERTIARY QUATERNARY	Cf	Ferrocarbonatite
TERTIARY QUATERNARY	Ca	Alvikite (C: RANGWA Area)
TERTIARY QUATERNARY	Cs	Sövite
TERTIARY QUATERNARY	Cbrc	Carbonatitic breccia
TERTIARY QUATERNARY	Phvb	Phonolite vent breccia with carbonatite breccia (RURI HILL Area)
TERTIARY QUATERNARY	Brc	Calcareous ocherous breccia (HOMA MOUNTAIN Area)

Pyroclastic rocks

Age	Symbol	Description
TERTIARY QUATERNARY	Fb	Ferrugious breccia (KUGE Area)
TERTIARY QUATERNARY	T-vf_5	Calcareous lapilli tuff, tuff breccia (RANGWA Area)
TERTIARY QUATERNARY	T-vf_4	Calcareous tuff breccia (Upper agglomerate) (RANGWA Area)
TERTIARY QUATERNARY	T-vf_3	Calcareous lapilli tuff, partly bedded (RANGWA Area)
TERTIARY QUATERNARY	T-vf_2	Calcareous bedded tuff (RANGWA Area)
TERTIARY QUATERNARY	T-vf_1	Tuff breccia (Lower agglomerate) (RANGWA Area)
TERTIARY QUATERNARY	Ctf	Extrusive carbonatite tuff (RURI HILL Area)
TERTIARY QUATERNARY	Cp	Calcareous pyroclastic rocks (SOKOLO Area)

INTRUSIVE ROCKS

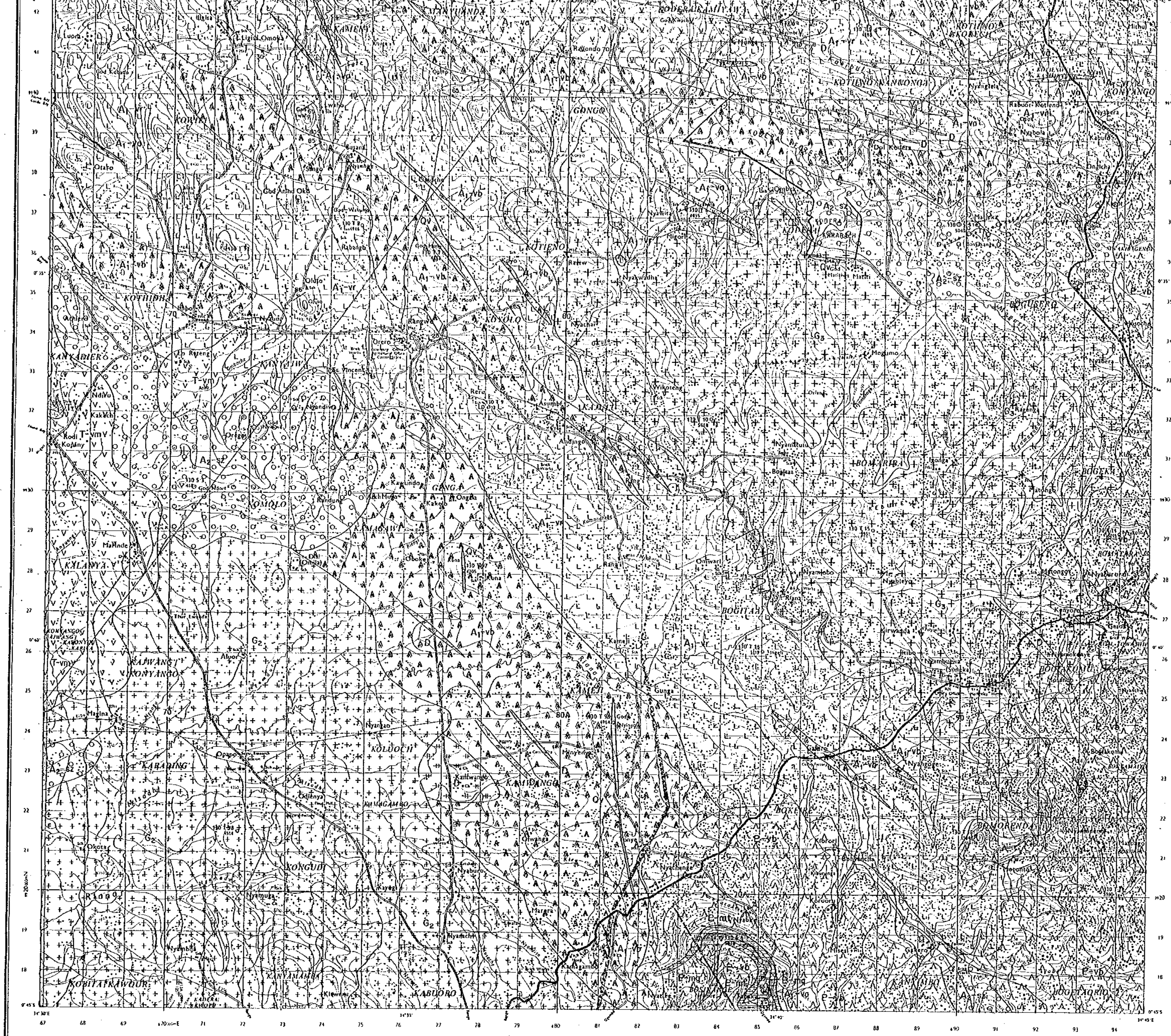
Age	Symbol	Description
TERTIARY QUATERNARY	Brcs	Siliceous breccia (SAGARUME Area, HOMA MOUNTAIN Area)
TERTIARY QUATERNARY	Sy	Nepheline syenite
TERTIARY QUATERNARY	ImP	Micro-ijolite, pyroxenite (SAGARUME Area)
TERTIARY QUATERNARY	I	Ijolite, uncompahgrite

POST-KAVIRONDIAN

Age	Symbol	Description
PRECAMBRIAN	P-mf	Fenitized granitic rocks (SAGARUME Area)
PRECAMBRIAN	G_3	Granite, granodiorite
PRECAMBRIAN	D	Diorite

POST-NYANZIAN

Age	Symbol	Description
PRECAMBRIAN	G_2	Granite, granodiorite



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Printed by Survey of Kenya 1000/1/81

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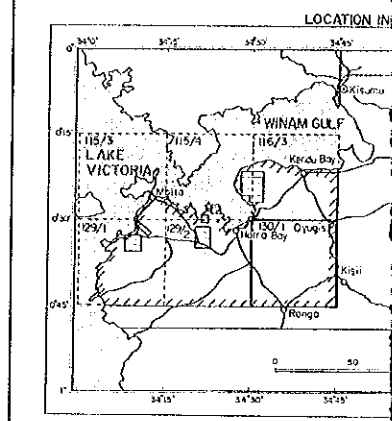
LOCATION IN



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METAL MINING AGENCY
February 198

Scale 1:50

LEGEND

RECENT
- Qrs — Surficial deposits and alluvium
- Qrst — Talus deposits (RANGWA Area)

PLEISTCENE (HOMA MOUNTAIN Area)
- Qpsl — Lake beds
- Qpss — Sandstone, siltstone and conglomerate (BALA Series)
- Q-vf — Calcareous lapilli tuff, tuff breccia and bedded tuff

TERTIARY
- T-vp — Phonalite
- T-vpn — Phonolitic nephelinite (KUGE Area)
- T-vp' — Porphyritic phonolite (SOKOLO Area)
- T-vf — Melonephelinitic pyroclastic rocks
- T-vm — Metonephelinite, melilitite
- T-vn — Nephelinite agglomerate, pyroclastic rocks
- Tmsl — Lake beds; caloreous sandstone and calcareou tuff

PRECAMBRIAN

BUKOBAN SYSTEM
- Ɛ-mq — Quartzite
- Ɛ-mt — Kisii "soapstone"
- Ɛ-vb — Basalt

KAVIRONDIAN SYSTEM
- A$_2$-sz — Conglomerate and sandstone

KAKSINGIRI SCHISTS
- A$_{1-2}$-ms^{bq} — Biotite-quartz schist
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- A$_1$-vrp — Porphyritic rhyolite
- A$_1$-vr — Rhyolite and rhyolitic tuff
- A$_1$-va — Andesite
- A$_1$-(ms) — Metasedimetary rocks
- A$_1$-vb — Metabasalt

Strike and dip of bedding

Strike and dip of schistosity

Strike and dip of flow banding

Strike and dip of joint

Dykes and sheets with dip

Existing fault

Inferred fault

INTRUSIVE AND PYRO

TERTIARY ~ QUATERNARY

Carbonatite
- Cf — Ferrocarbonatit
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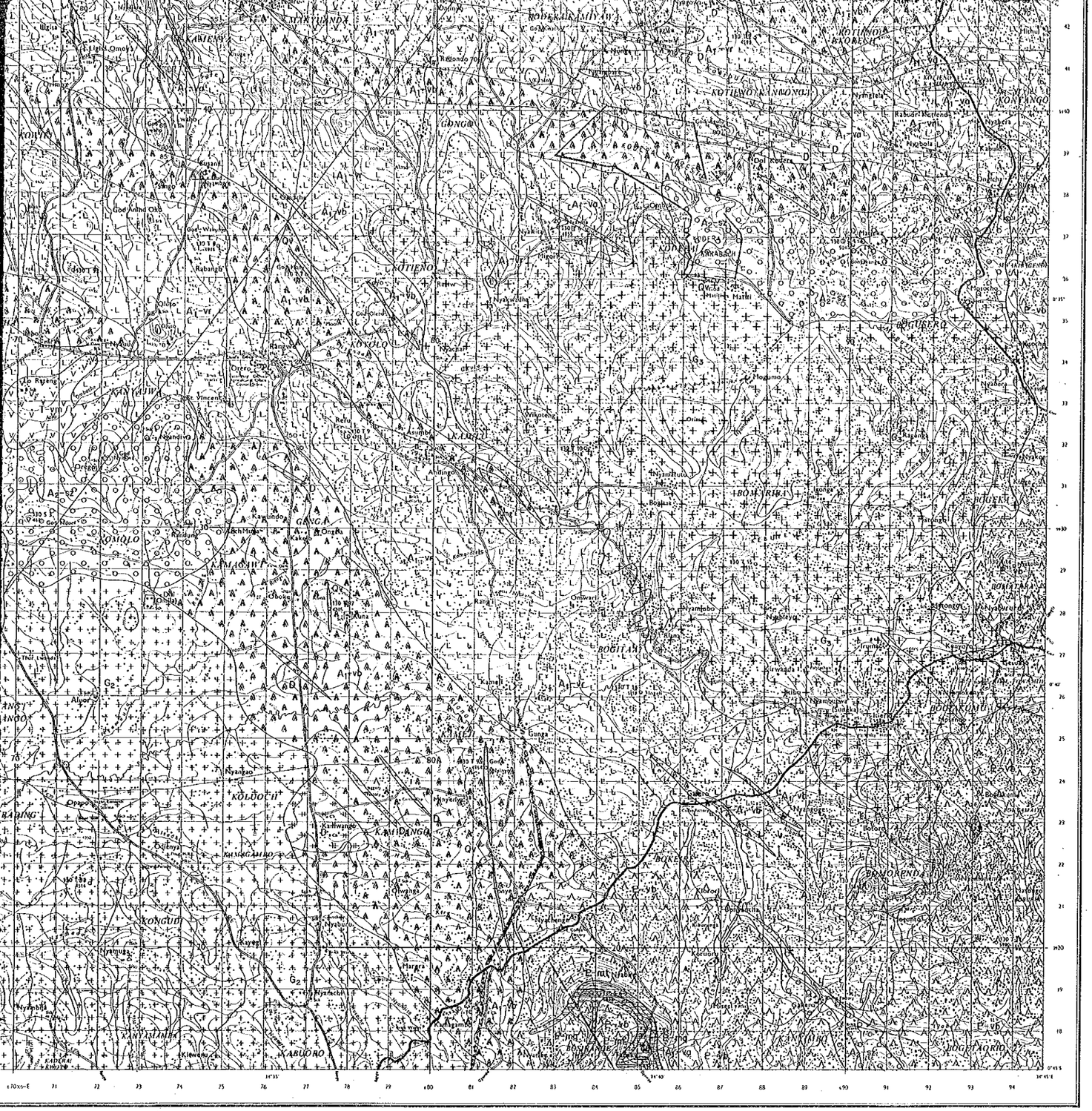
- I — Ijolite, uncompah

PRECAMBRIAN

POST-KAVIRONDIAN
- Ɛ-mf — Fenitized graniti
- G$_3$ — Granite, granod
- D — Diorite

POST-NYANZIAN
- G$_2$ — Granite, granodi

MINOR INTRUSIONS
- P — Phonolite dyke
- N — Nephelinite dyke
- Dl — Dolerite
- B — Gabbro
- Px — Pyroxenite
- Qp — Quartz porphyry
- Fe-ore — Iron ore (scatt
- Qv — Quartz vein



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SCALE 1:50000

Printed by Survey of Kenya 1000/1/81

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TERTIARY ~ QUATERNARY } (RANGWA Area)

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- Cp — Calcareous pyroclastic rocks (SOKOLO Area)

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- ImP — Micro-ijolite, pyroxenite (SAGARUME Area)
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POST-KAVIRONDIAN

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PRECAMBRIAN

POST-NYANZIAN

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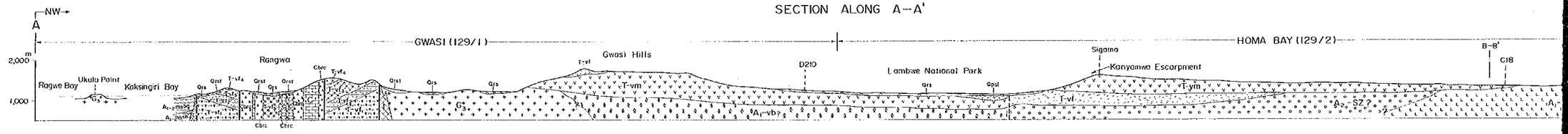
SECTION ALONG A–A'



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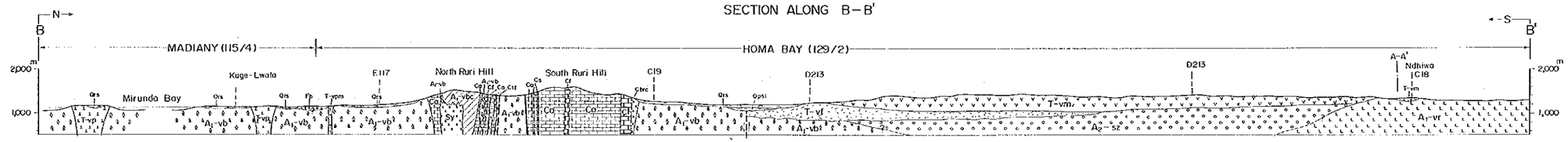

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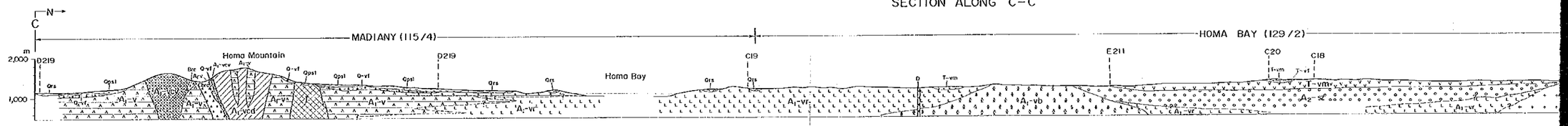

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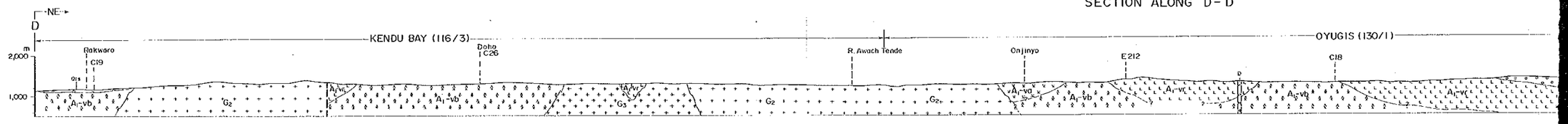

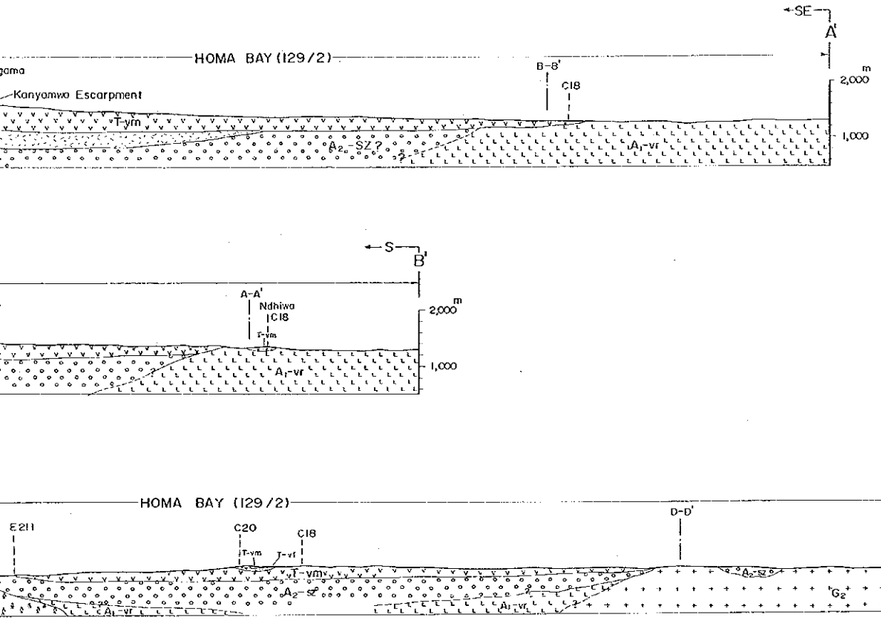

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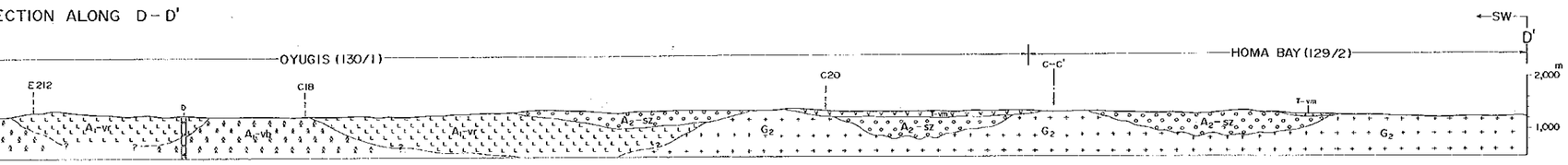

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PRECAMBRIAN
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POST-NYANZIAN
- G2 — Granite, granodiorite

Diorite dyke

PL. 7

MINERAL EXPLORATION
IN
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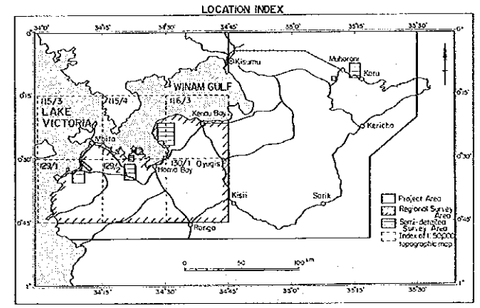
(PHASE I)

GEOLOGICAL SECTIONS OF THE REGIONAL SURVEY AREA

LOCATION INDEX



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