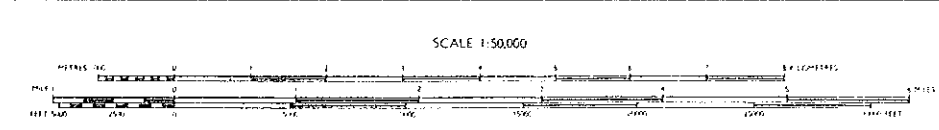


Scale 1:50,000
0 1 2 3 4 5 km

LEGEND

RECENT	Qrs	Surficial deposits and alluvium			
	Qrst	Talus deposits (RANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qps	Sandstone, siltstone and conglomerate (BALA Series)	} (HOMA MOUNTAIN Area)		
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUGE Area)			
TERTIARY	T-vp'	Porphyritic phonolite (SOKOLO Area)			
	T-vf	Melaneophilic pyroclastic rocks			
	T-vm	Melaneophilite, melilite			
	T-vn	Nephelinite agglomerate, pyroclastic rocks			
	Tmsl	Lake beds: calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	E-mq	Quartzite			
	E-mt	Kisii "soapstone"			
	E-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A ₂ -sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A ₂ -ms	Biotite-quartz schist			
	A ₂ -mh	Amphibole schist			
PRECAMBRIAN		NYANZIAN SYSTEM			
	A ₁ -vc	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	} (HOMA MOUNTAIN Area)		
	A ₁ -vcv	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite			
	A ₁ -v	Shattered Nyanzian volcanic rocks mainly melandresite and melarhyolite			
	A ₁ -vrp	Porphyritic rhyolite			
	A ₁ -vr	Rhyolite and rhyolitic tuff			
	A ₁ -vo	Andesite			
	A ₁ -ms	Metasedimentary rocks			
	A ₁ -vb	Metabasalt			
		POST-KAVIRONDIAN			
	P-mf	Fertilized granitic rocks (SAGARUME Area)			
	G ₃	Granite, granodiorite			
	D	Diorite			
		POST-NYANZIAN			
	G ₂	Granite, granodiorite			
		MINOR INTRUSIONS			
	P	Phonolite dyke			
	N	Nephelinite dyke			
	Di	Dolerite			
	B	Gabbro			
	Pz	Pyroxenite			
	Op	Quartz porphyry			
	Fe-ore	Iron ore (scattered zone) and gossan zone			
	Qv	Quartz vein			
		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			



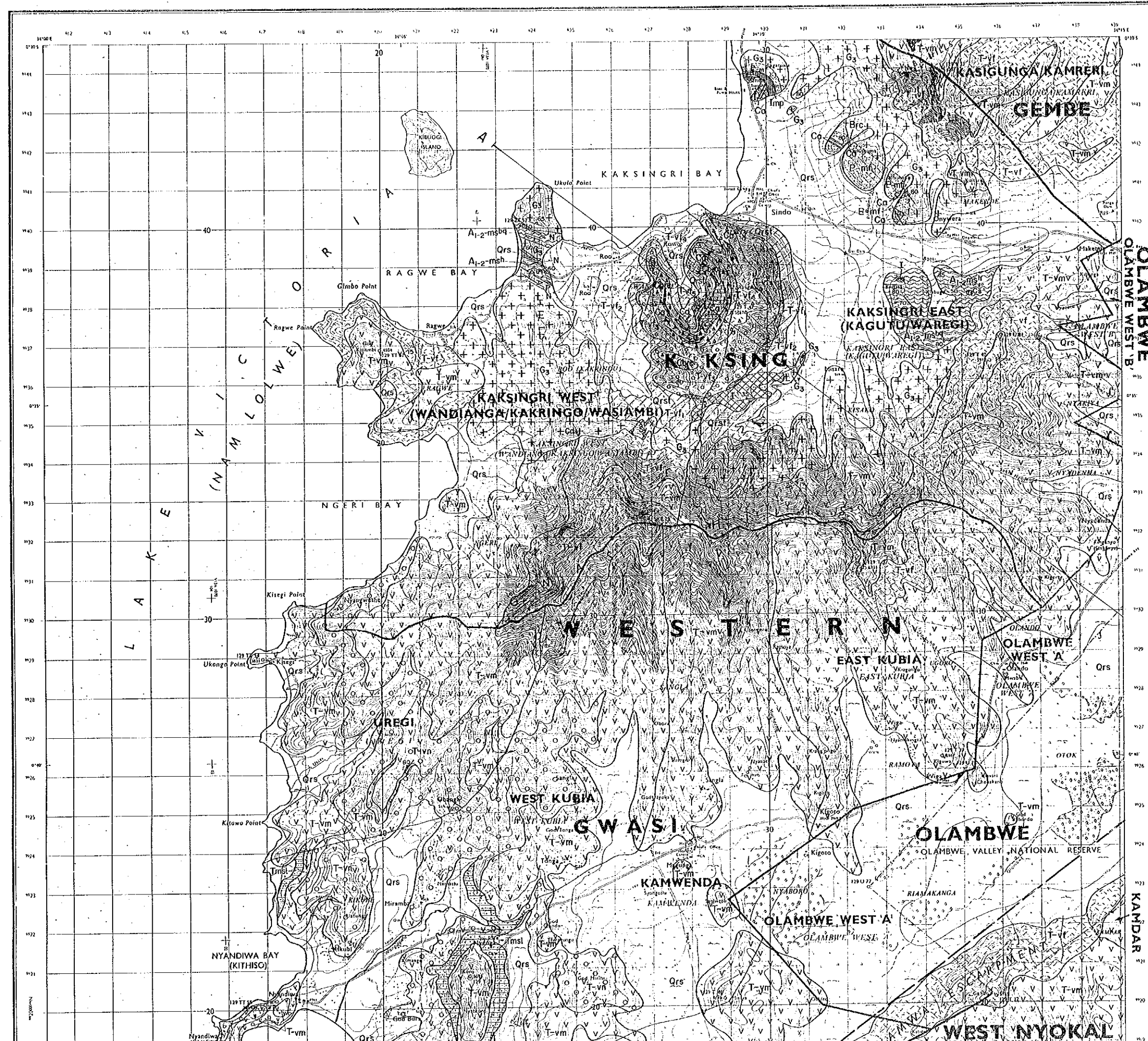
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Users of this map are requested to report any errors or omissions to the Director of the Survey of Maps, Harare, Zimbabwe.

GWASI

ADMINISTRATIVE BOUNDARIES OVERPRINT SK61

Grid North
Magnetic North
True North

Series SK61
Sheet 129/J
Edition SA-SK



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

**GEOLOGICAL
OF
THE GWASI**
(REGIONAL SURVEY)

LOCATION INDEX

JAPAN INTERNATIONAL COOPERATION PROGRAM
METAL MINING AGENCY OF JAPAN
February 1988

Scale 1:50,000

LEGEND

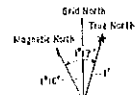
RECENT	Qrs	Surficial deposits and alluvium			
	Qrst	Talus deposits (FRANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series)	HOMA MOUNTAIN Area		
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUGE Area)			
	T-vp'	Porphyritic phonolite (SOKOLO Area)			
TERTIARY	T-vf	Melanephelinitic pyroclastic rocks			
	T-vn	Melanephelinite, melilitite			
	T-vn'	Nephelinite agglomerate, pyroclastic rocks			
	Tmsl	Lake beds: calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	P-mq	Quartzite			
	P-mt	Kisii "soapstone"			
	P-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A ₂ -sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A ₁ -sq	Biotite-quartz schist			
	A ₁ -sh	Amphibole schist			
		NYANZIAN SYSTEM			
	A ₁ -vbc	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	HOMA MOUNTAIN Area		
	A ₁ -vcd	Strongly shattered Nyanzian volcanic rock with network veins of carbonatite			
	A ₁ -v	Shattered Nyanzian volcanic rocks mainly melandresite and metarhyolite			
	A ₁ -vwp	Porphyritic rhyolite			
	A ₁ -vr	Rhyolite and rhyolitic tuff			
	A ₁ -vo	Andesite			
PRECAMBRIAN					

INTRUSIVE AND PYROCLASTIC	
Cf	Ferrocarnatite
Co	Alvikite (C:RAM)
Cs	Sövite
Cbrc	Carbonatitic breccia
Phvb	Phonolite vent breccia
Brc	Calcareous ocher breccia
Pyroclastic rocks	
Fb	Ferruginous breccia
T-vf ₁	Calcareous lapilli
T-vf ₂	Calcareous tuff
T-vf ₃	Calcareous lapilli
T-vf ₄	Calcareous beds
T-vf ₅	Tuff breccia (L)
Cf'	Extrusive carbonatite
Cp	Calcareous pyroclastic rocks
INTRUSIVE ROCKS	
Brcs	Siliceous breccia
Sy	Nephelinite syenite
ImP	Micro-ijolite, perthite
I	Ijolite, uncomparted
POST-KAVIRONDIAN	
P-mf	Fertilized granite
G ₃	Granite, granodiorite
D	Diorite
POST-NYANZIAN	
G ₂	Granite, granodiorite
MINOR INTRUSIONS	

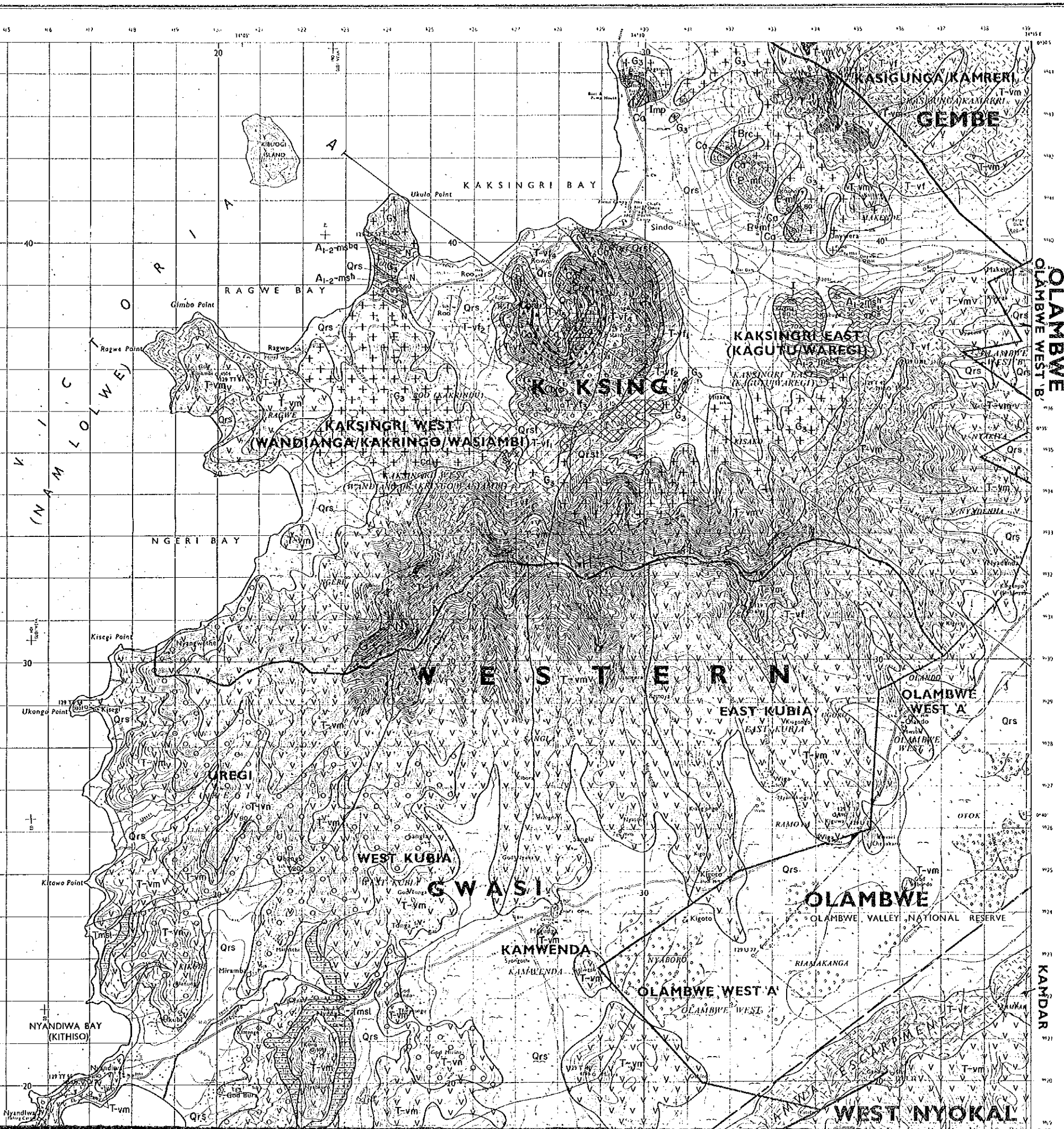
NYA)

GWASI

ADMINISTRATIVE BOUNDARIES OVERPRINT SK61



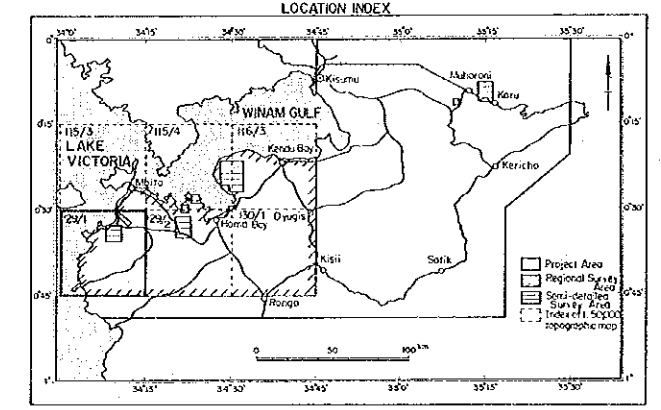
Series SK61
Sheet 129/1
Edition SA-SK



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

1768
圖書資料

GEOLOGICAL MAP OF THE GWASI AREA (REGIONAL SURVEY AREA)

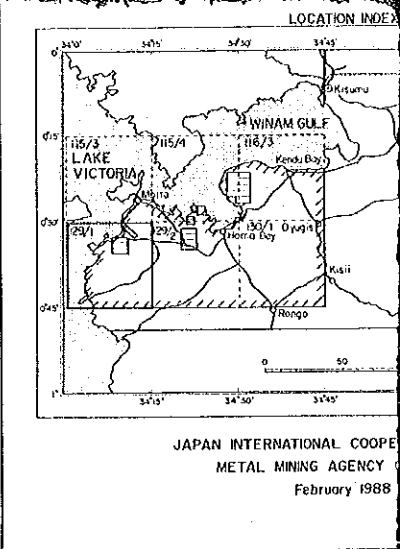
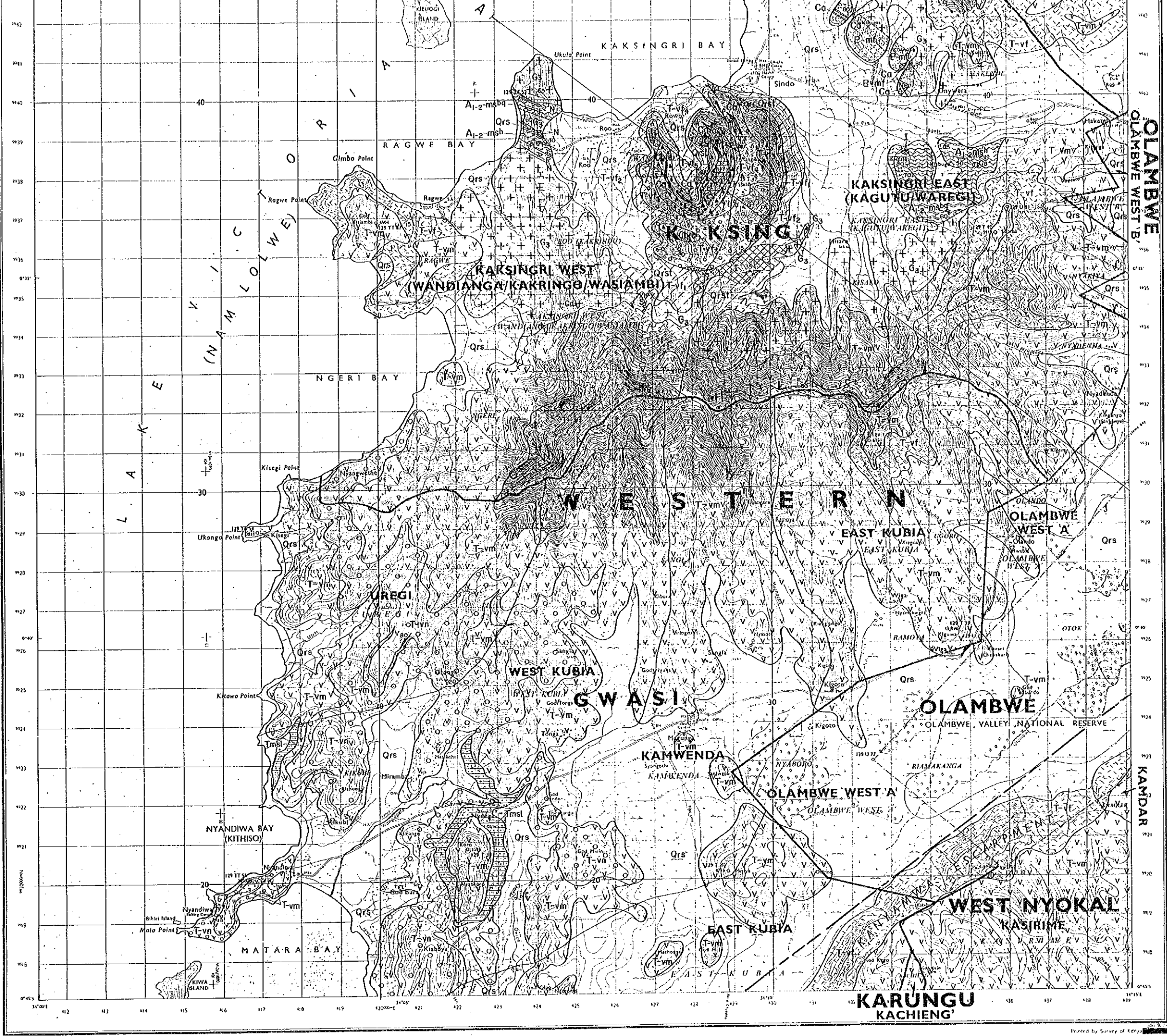


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
February 1988

Scale 1:50,000

LEGEND

RECENT	Qrs	Surficial deposits and alluvium			
	Qrs1	Talus deposits (RANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qps	Sandstone, siltstone and conglomerate (BALA Series)	HOMA MOUNTAIN AREA		
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUGE Area)			
	T-vp'	Porphyritic phonolite (SOKOLO Area)			
TERTIARY	T-vf	Melonephelinitic pyroclastic rocks			
	T-vm	Melonephelinite, melilitite			
	T-vn	Nephelinite agglomerate, pyroclastic rocks			
	T-msl	Lake beds: calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	P-mq	Quartzite			
	P-mt	Kisii "soapstone"			
	P-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A ₂ -sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A ₁ -ms	Biotite-quartz schist			
	A ₁ -ms'	Amphibole schist			
		NYANZIAN SYSTEM			
PRECAMBRIAN	A ₁ -vb	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	HOMA MOUNTAIN AREA		
	A ₁ -vcb	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite			
	A ₁ -v	Shattered Nyanzian volcanic rocks mainly melandresite and melarhyolite			
	A ₁ -vp	Porphyritic rhyolite			
	A ₁ -vr	Rhyolite and rhyolitic tuff			
	A ₁ -va	Andesite			
		INTRUSIVE AND PYROCLASTIC ROCKS			
		Carbonatite			
	Cf	Ferrocarnatite			
	Co	Alvikite (C: RANGWA Area)			
	Cs	Sövite			
	Cbrc	Carbonatitic breccia			
	Phvb	Phonolite veal breccia with carbonatite breccia (RURI HILL Area)			
	Brc	Calcareous ocherous breccia (HOMA MOUNTAIN Area)			
		Pyroclastic rocks			
	Fb	Ferrous breccia (KUGE Area)			
	T-v1s	Calcareous lapilli tuff, tuff breccia			
	T-v1a	Calcareous tuff breccia (Upper agglomerate)			
	T-v1b	Calcareous lapilli tuff, partly bedded	RANGWA AREA		
	T-v1c	Calcareous bedded tuff			
	T-v1d	Tuff breccia (Lower agglomerate)			
	C1f	Extrusive carbonatite tuff (RURI HILL Area)			
	Cp	Calcareous pyroclastic rocks (SOKOLO Area)			
		INTRUSIVE ROCKS			
	Brcs	Siliceous breccia (SAGARUME Area, HOMA MOUNTAIN Area)			
	Sy	Nepheline syanite			
	ImP	Micro-ijolite, pyroxenite (SAGARUME Area)			
	I	Ijolite, uncomphgrite			
		POST-KAVIRONDIAN			
	P-mf	Fertilized granitic rocks (SAGARUME Area)			
	G ₃	Granite, granodiorite			
	D	Diorite			
		POST-NYANZIAN			
	G ₂	Granite, granodiorite			
		MINOR INTRUSIONS			



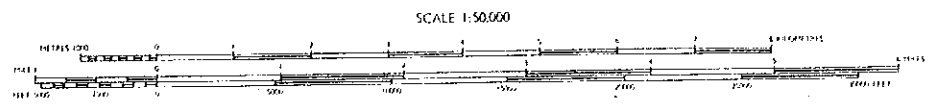
JAPAN INTERNATIONAL COOPERATION
 METAL MINING AGENCY
 February 1988

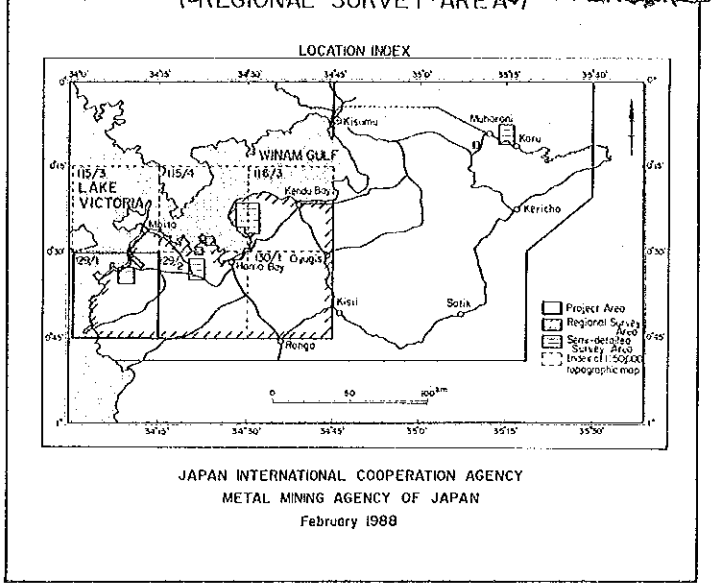
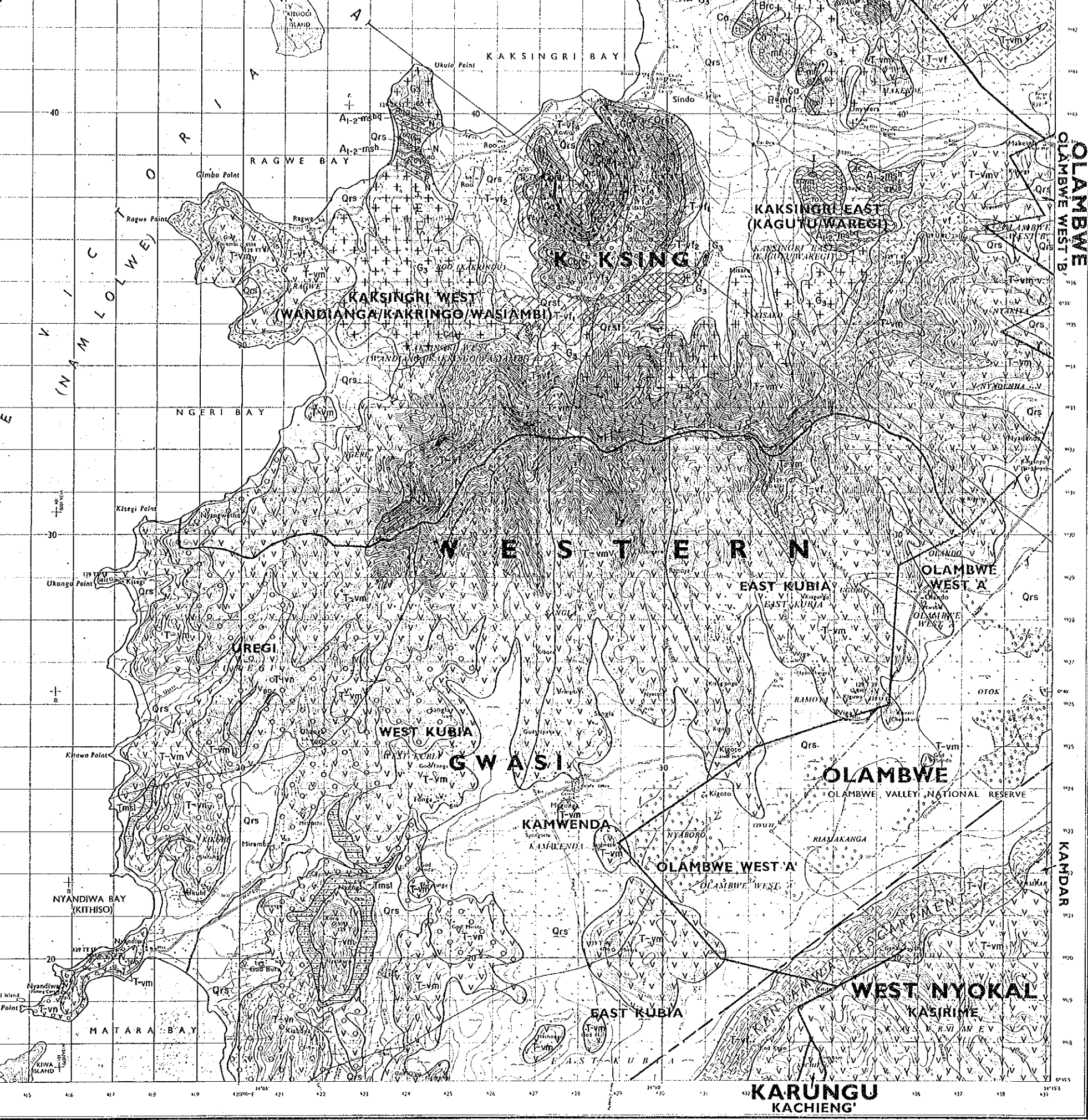
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LEGEND

RECENT	Qrs	Surficial deposits and alluvium	INTRUSIVE AND PYROCLASTIC	
	Qrst	Talus deposits (RANGWA Area)	Carbonatite	
	Qpsi	Lake beds	Cf	Ferrocyanite
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series)	Co	Alvikite (C-HAN)
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff	Cs	Sövite
	T-vp	Phonolite	Cbrc	Carbonatitic breccia
	T-vpn	Phonolitic nephelinite (KUGE Area)	Phvb	Phonolite vent breccia
TERTIARY	T-vp'	Porphyritic phonolite (SOKOLO Area)	Brc	Calcareous ocher
	T-vf	Melanephelinitic pyroclastic rocks		Pyroclastic rocks
	T-vm	Melanephelinite, melilitite	Fb	Ferroguss breccia
	T-vn	Nephelinite agglomerate, pyroclastic rocks	T-vf ₅	Calcareous lapilli
	Tmsl	Lake beds; calcareous sandstone and calcareous tuff	T-vf ₄	Calcareous tuff
			T-vf ₃	Calcareous lapilli
			T-vf ₂	Calcareous beds
			T-vf ₁	Tuff breccia (L)
			Cff	Extrusive carbonatite
			Cp	Calcareous pyroclastic
			Brcs	Siliceous breccia
			Sy	Nephelinite syenite
			ImP	Micro-ijolite
			I	Ijolite, uncombed
				POST-KAVIRONDIAN
			P-mf	Fenitized granitoid
			G ₃	Granite, granodiorite
			D	Diorite
				POST-NYANZIAN
			G ₂	Granite, granodiorite
				MINOR INTRUSIONS
			P	Phonolite dyke
			N	Nephelinite dyke
			Dl	Dolerite
			G	Gabbro
			Px	Pyroxenite
			Qp	Quartz porphyry
			Fe-ore	Iron ore (scattered)
			Qv	Quartz vein
				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

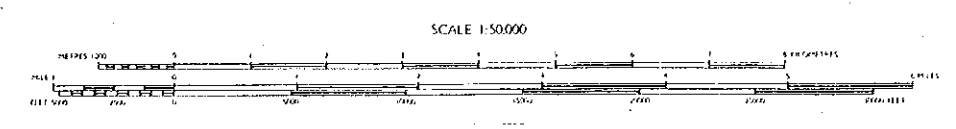
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LEGEND

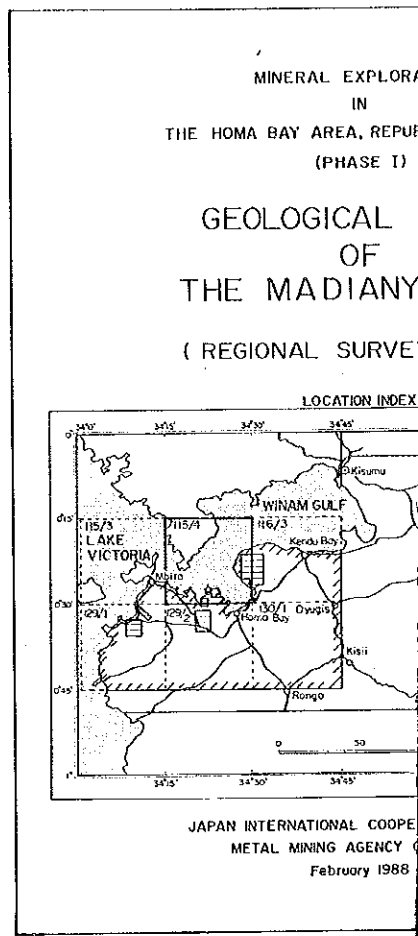
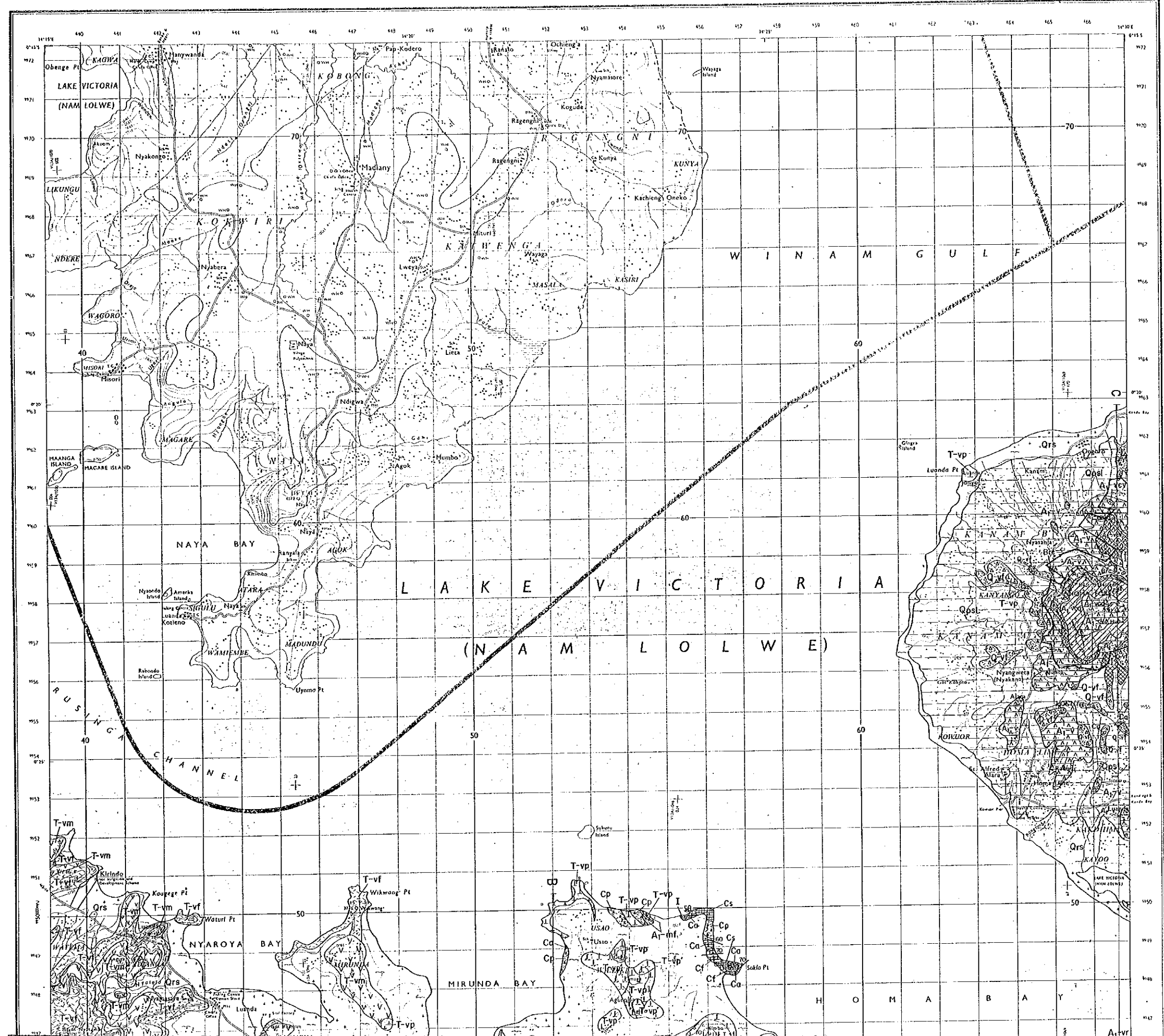
<p>RECENT</p> <p>PLEISTOCENE</p> <p>TERTIARY</p> <p>BUKOBAN SYSTEM</p> <p>KAVIROINDIAN SYSTEM</p> <p>KAKSINGIRI SCHISTS</p> <p>NYANZIAN SYSTEM</p> <p>PRECAMBRIAN</p>	<p>INTRUSIVE AND PYROCLASTIC ROCKS</p> <p>Carbonatite</p> <p>Pyroclastic rocks</p> <p>INTRUSIVE ROCKS</p> <p>POST-KAVIROINDIAN</p> <p>PRECAMBRIAN</p> <p>POST-NYANZIAN</p> <p>MINOR INTRUSIONS</p>	<p>Surficial deposits and alluvium</p> <p>Talus deposits (RANGWA Area)</p> <p>Lake beds</p> <p>Sandstone, siltstone and conglomerate (IBALA Series)</p> <p>Calcareous lapilli tuff, tuff breccia and bedded tuff</p> <p>Phonolite</p> <p>Phonolitic nephelinite (KUGE Area)</p> <p>Porphyritic phonolite (SOKOLO Area)</p> <p>Melaneophilinitic pyroclastic rocks</p> <p>Melaneophilinite, melilitite</p> <p>Nephelinite agglomerate, pyroclastic rocks</p> <p>Lake beds; calcareous sandstone and calcareous tuff</p> <p>Quartzite</p> <p>Kisii "soapstone"</p> <p>Basalt</p> <p>Conglomerate and sandstone</p> <p>Biotite-quartz schist</p> <p>Amphibole schist</p> <p>Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite</p> <p>Shaggy shattered Nyanzian volcanic rock with network veinlets of carbonatite</p> <p>Shattered Nyanzian volcanic rocks mainly metaandesite and metabasalt</p> <p>Porphyritic rhyolite</p> <p>Rhyolite and rhyolitic tuff</p> <p>Andesite</p> <p>Metasedimentary rocks</p> <p>Metabasalt</p>	<p>Ferrocyanatite</p> <p>Alvikite (C-RANGWA Area)</p> <p>Sövite</p> <p>Carbonatitic breccia</p> <p>Phonolite vent breccia with carbonatite breccia (RURI HILL Area)</p> <p>Calcareous ocherous breccia (HOMA MOUNTAIN Area)</p> <p>Ferruginous breccia (KUGE Area)</p> <p>Calcareous lapilli tuff, tuff breccia</p> <p>Calcareous tuff breccia (Upper agglomerate)</p> <p>Calcareous lapilli tuff, partly bedded</p> <p>Calcareous bedded tuff</p> <p>Tuff breccia (Lower agglomerate)</p> <p>Extrusive carbonatite tuff (RURI HILL Area)</p> <p>Calcareous pyroclastic rocks (SOKOLO Area)</p> <p>Siliceous breccia (SAGARUME Area, HOMA MOUNTAIN Area)</p> <p>Nephelinite syenite</p> <p>Micro-ijolite, pyroxenite (SAGARUME Area)</p> <p>Ijolite, uncomphgrite</p> <p>Fenitized granitic rocks (SAGARUME Area)</p> <p>Granite, granodiorite</p> <p>Diorite</p> <p>Granite, granodiorite</p> <p>Phonolite dyke</p> <p>Nephelinite dyke</p> <p>Dalerite</p> <p>Gobbro</p> <p>Pyroxenite</p> <p>Quartz porphyry</p> <p>Iron ore (scattered zone) and gossan zone</p> <p>Quartz vein</p>	<p>Strike and dip of bedding</p> <p>Strike and dip of schistosity</p> <p>Strike and dip of flow banding</p> <p>Strike and dip of joint</p> <p>Dykes and sheets with dip</p> <p>Existing fault</p> <p>Inferred fault</p>
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EAST AFRICA 1:50,000 (KENYA)

MADIANY

Series Y231
Sheet 115/4
Edition 5-5K



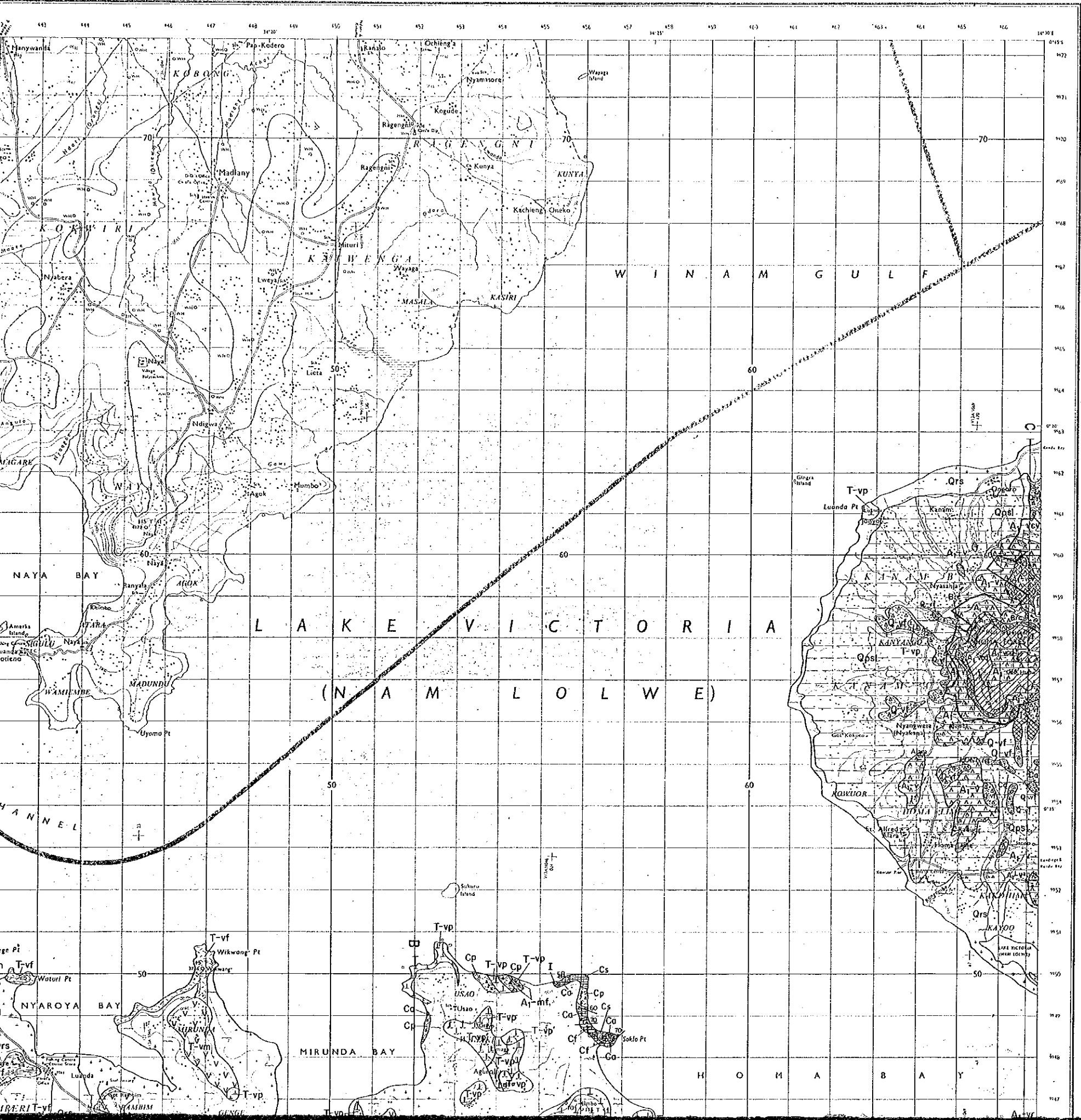
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LEGEND

RECENT	Qrs	Surficial deposits and alluvium	INTRUSIVE AND PYROCLASTIC ROCKS	
	Qrst	Talus deposits (RANGWA Area)	Carbonatite	
	Qpsl	Lake beds	Cf	Ferrocarnatite
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (IBALA Series)	Ca	Alvikite (C-RAR)
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff	Cs	Sövite
	T-vp	Phonolite	Cbrc	Carbonatitic breccia
	T-vpn	Phonolitic nephelinite (KUGE Area)	Phvb	Phonolite vent breccia
	T-vp'	Porphyritic phonolite (SOKOLO Area)	Brc	Calcareous other carbonatite breccia
TERTIARY	T-vf	Melaneophelinitic pyroclastic rocks		Pyroclastic rocks
	T-vm	Melaneophelinite, melilitite	Fb	Ferrous breccia
	T-vn	Nephelinite agglomerate, pyroclastic rocks	T-vf5	Calcareous lapilli
	Tmsl	Lake beds; calcareous sandstone and calcareous tuff	T-vf4	Calcareous tuff
			T-vf3	Calcareous lapilli
			T-vf2	Calcareous beds
			T-vf1	Tuff breccia (ts)
			Cff	Extrusive carbonatite
			Cp	Calcareous pyroclastic rocks
				INTRUSIVE ROCKS
			Brcs	Siliceous breccia
			Sy	Nepheline syenite
			ImP	Micro-ijolite
			I	Ijolite, uncompact
				POST-KAVIRONDIAN
			E-mf	Fenitized granite
			G3	Granite, granodiorite
			D	Diorite
				POST-NYANZIAN
			G2	Granite, granodiorite
				MINOR INTRUSIONS
BUKOBAN SYSTEM	P-mq	Quartzite		
	P-mf	Kisii "soapstone"		
	P-vb	Basalt		
KAVIRONDIAN SYSTEM	A2-sz	Conglomerate and sandstone		
KAKSINGIRI SCHISTS	A1-mq	Biotite-quartz schist		
	A1-ma	Amphibole schist		
NYANZIAN SYSTEM	A1-vb	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite		
	A1-vcb	Strongly shattered Nyanzian volcanic rock with network veins of carbonatite		
	A1-v	Shattered Nyanzian volcanic rocks mainly melandresite and melorhyolite		
	A1-vp	Porphyritic rhyolite		
	A1-vr	Rhyolite and rhyolitic tuff		
	A1-vo	Andesite		

MADIANY

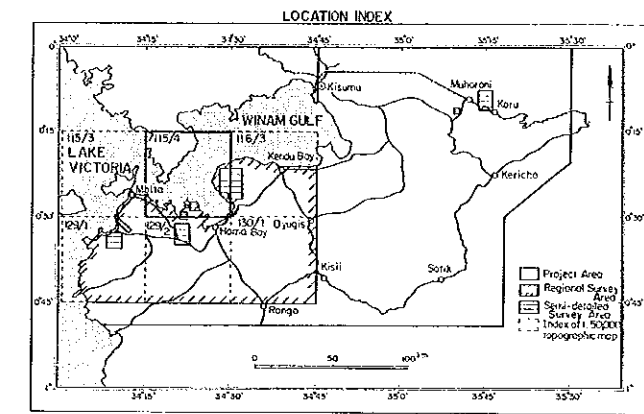
Grid Azimuth
 Magnetic North
 True North
 Series Y71
 Sheet 115/4
 Edition 5-SK



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

1768
 国産地
 図書

GEOLOGICAL MAP OF THE MADIANY AREA (REGIONAL SURVEY AREA)

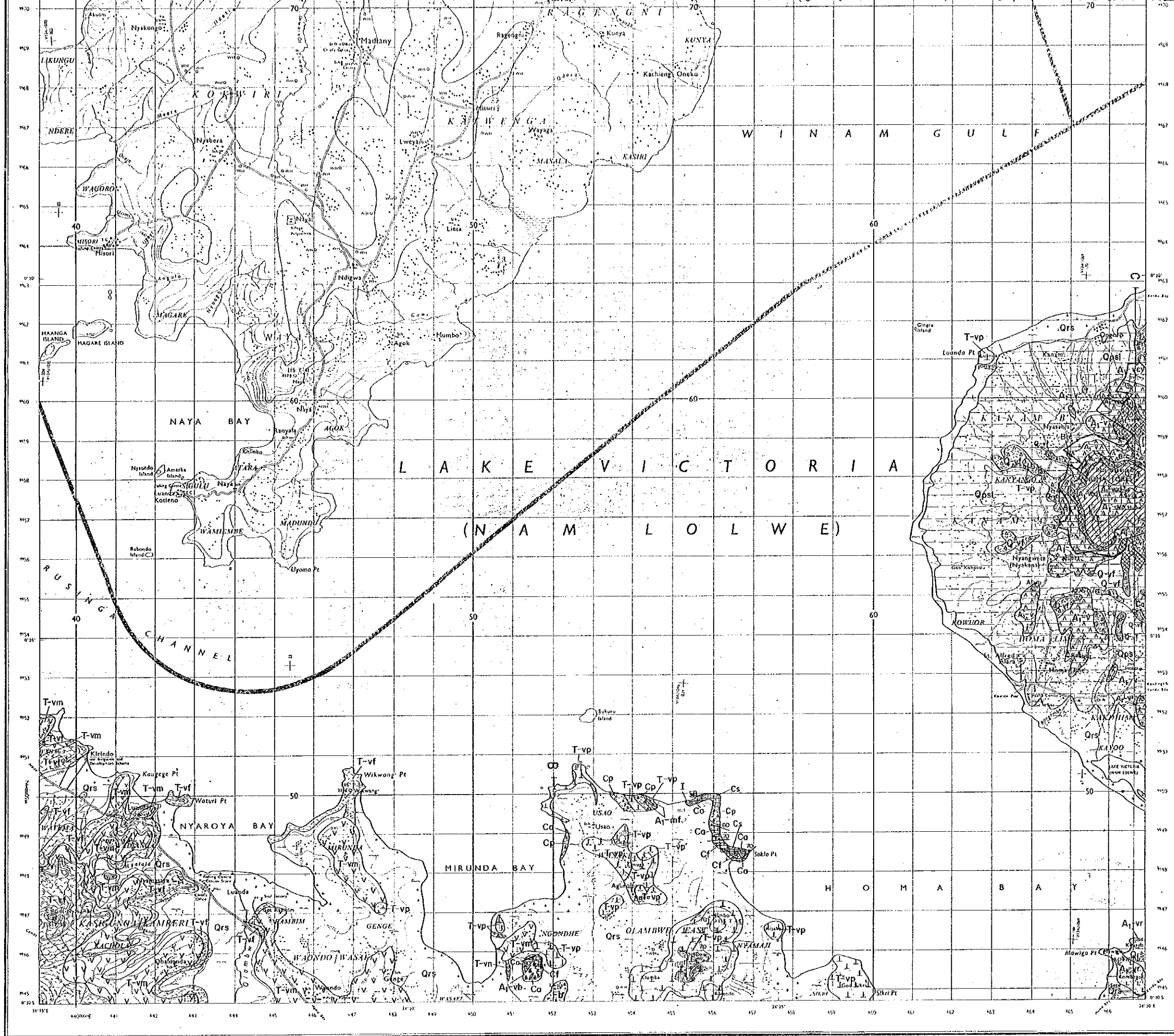


JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 February 1988

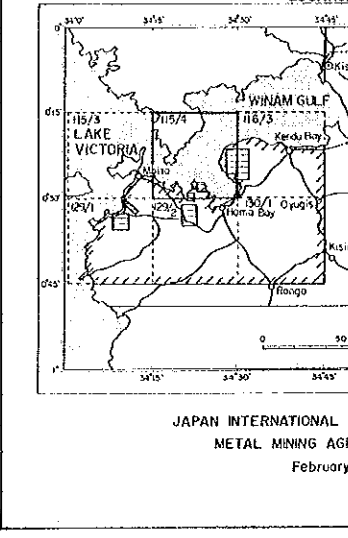
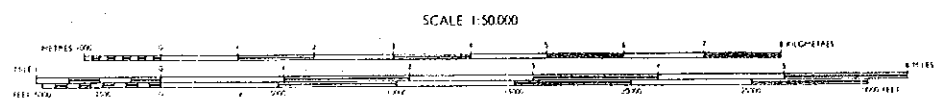
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LEGEND

RECENT	Qrs	Surficial deposits and alluvium			
	Qrs1	Talus deposits (RANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qps	Sandstone, siltstone and conglomerate (BALA Series)	(HOMA MOUNTAIN Area)		
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUGE Area)			
TERTIARY	T-vp	Porphyritic phonolite (SOKOLO Area)			
	T-vf	Metanephelinitic pyroclastic rocks			
	T-vn	Melanephelinite, melilitite			
	T-vn	Nephelinite agglomerate, pyroclastic rocks			
	Tmsl	Lake beds; calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	E-mq	Quartzite			
	E-mf	Kisii "soopstone"			
	E-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A2-sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A1-mq	Biotite-quartz schist			
	A1-ma	Amphibole schist			
PRECAMBRIAN		NYANZIAN SYSTEM			
	A1-vbc	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	(HOMA MOUNTAIN Area)		
	A1-vcd	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite			
	A1-v	Shattered Nyanzian volcanic rocks mainly melandresite and metarhyolite			
	A1-vrp	Porphyritic rhyolite			
	A1-vr	Rhyolite and rhyolitic tuff			
	A1-vo	Andesite			
		INTRUSIVE AND PYROCLASTIC ROCKS			
		Carbonatite			
	Cf	Ferrocarnatite			
	Ca	Alvikite (C-RANGWA Area)			
	Cs	Sövite			
	Cbr	Carbonatitic breccia			
	Phvb	Phonolite vent breccia with carbonatite breccia (RURI HILL Area)			
	Brc	Calcareous ochreous breccia (HOMA MOUNTAIN Area)			
		Pyroclastic rocks			
	Fb	Ferrous breccia (KUGE Area)			
	T-vf5	Calcareous lapilli tuff, tuff breccia			
	T-vf4	Calcareous tuff breccia (Upper agglomerate)			
	T-vf3	Calcareous lapilli tuff, partly bedded			
	T-vf2	Calcareous bedded tuff			
	T-vf1	Tuff breccia (Lower agglomerate)			
	Cf	Extrusive carbonatite tuff (RURI HILL Area)			
	Cp	Calcareous pyroclastic rocks (SOKOLO Area)			
		INTRUSIVE ROCKS			
	Brcs	Siliceous breccia (SAGARUME Area)	(HOMA MOUNTAIN Area)		
	Sy	Nepheline syenite			
	ImP	Micro-ijolite, pyroxenite (SAGARUME Area)			
	I	Ijolite, uncompharite			
		POST-KAVIRONDIAN			
	E-mf	Fertilized granitic rocks (SAGARUME Area)			
	G3	Granite, granodiorite			
	D	Diorite			
		POST-NYANZIAN			
	G2	Granite, granodiorite			



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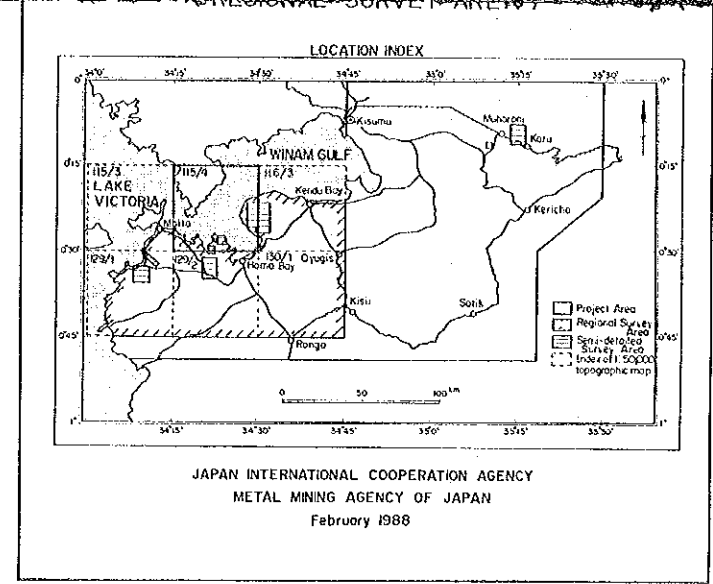
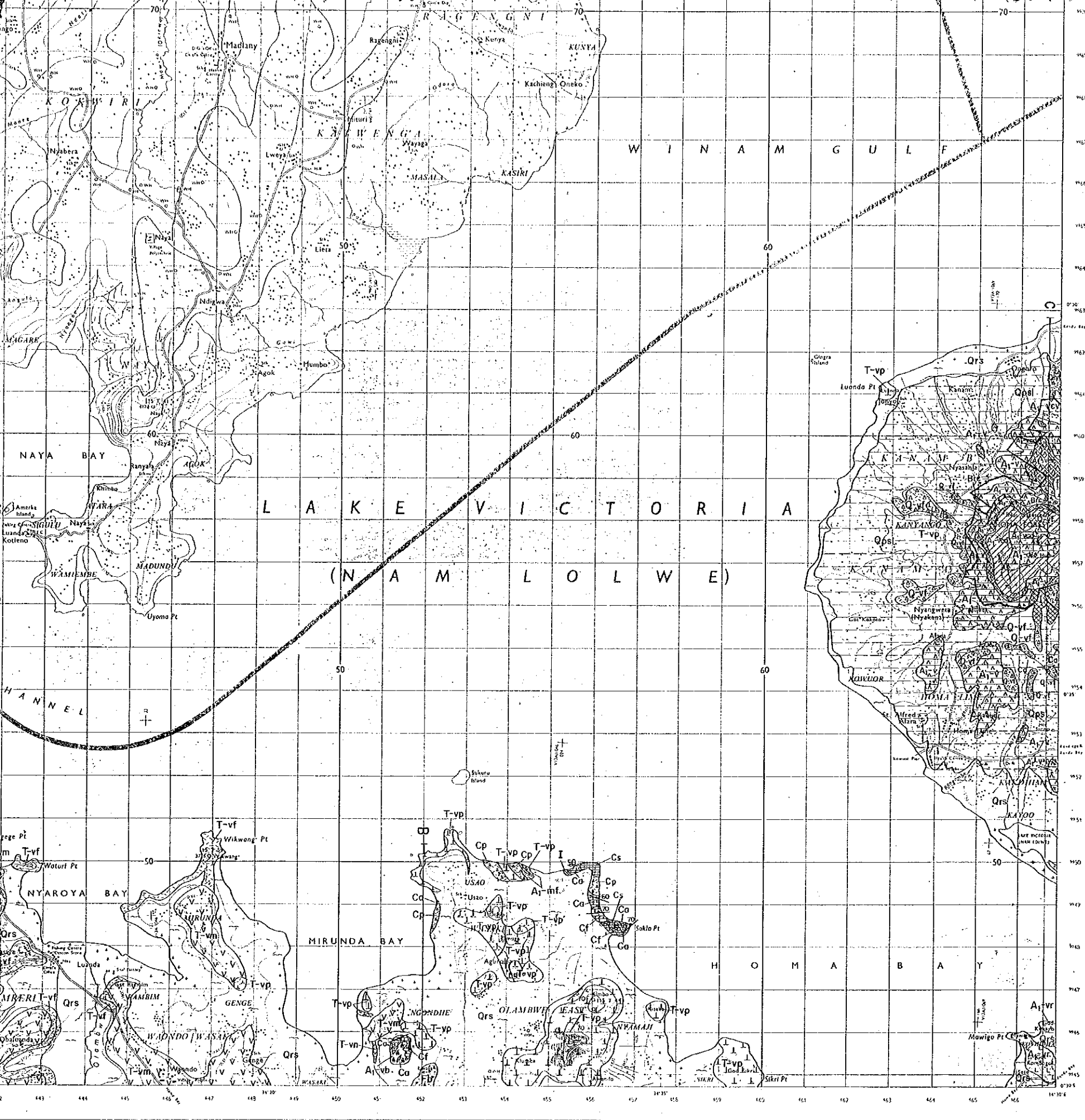


Scale 1:50000

LEGEND

RECENT	Qrs	Surficial deposits and alluvium	INTRUSIVE AND PYROCLASTIC	
	Qrst	Talus deposits (RANGWA Area)	Carbonatite	
	Qpsl	Lake beds	Ct	Ferrocarnotite
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series)	Ca	Alvikite (C)
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff (HOMA MOUNTAIN Area)	Cs	Sövite
	T-vp	Phonolite	Cbrc	Carbonatitic
	T-vpn	Phonolitic nephelinite (KUGE Area)	Phvb	Phonolite vent carbonatite
TERTIARY	T-vp	Porphyritic phonolite (SOKOLO Area)	Brc	Calcareous o
	T-vf	Melanephelinitic pyroclastic rocks	Pyroclastic rocks	
	T-vm	Melanephelinite, melilitite	Fb	Ferrous br
	T-vn	Nephelinite agglomerate, pyroclastic rocks	T-vf5	Calcareous
	Tmsl	Lake beds; calcareous sandstone and calcareous tuff	T-vf4	Calcareous
			T-vf3	Calcareous
			T-vf2	Calcareous
			T-vf1	Tuff breccia
			Ctf	Extrusive co
			Cp	Calcareous
			INTRUSIVE ROCKS	
			Brcs	Siliceous br
			Sy	Nepheline s
			ImP	Micro-ijolit
			I	Ijolite, uncor
			POST-KAVIRONDIAN	
			P-mf	Fenitized gr
			G3	Granite, gr
			D	Diorite
			POST-NYANZIAN	
			G2	Granite, gr
BUKOBAN SYSTEM	P-mq	Quartzite		MINOR INTRUSIONS
	P-mt	Kisii "soapstone"		Phonolite d
	P-vb	Basalt		Nephelinite
KAVIRONDIAN SYSTEM	A2-sz	Conglomerate and sandstone		Dolerite
KAKSINGIRI SCHISTS	A2-ms	Biotite-quartz schist		Gabbro
	A2-ma	Amphibole schist		Pyroxenite
NYANZIAN SYSTEM	A1-vb	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite		Quartz por
	A1-vcv	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite (HOMA MOUNTAIN Area)		Iron ore (
	A1-vr	Shattered Nyanzian volcanic rocks mainly metaandesite and metarhyolite		Quartz vei
	A1-vrp	Porphyritic rhyolite		
	A1-vr	Rhyolite and rhyolitic tuff		
	A1-va	Andesite		
	A1-fmsl	Metasedimentary rocks		
	A1-vb	Metasalt		

- 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

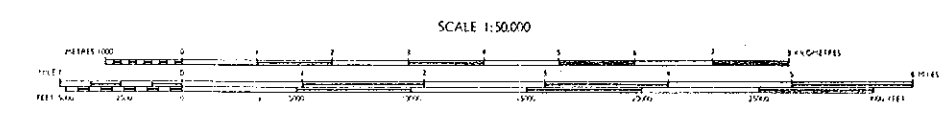


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
February 1988

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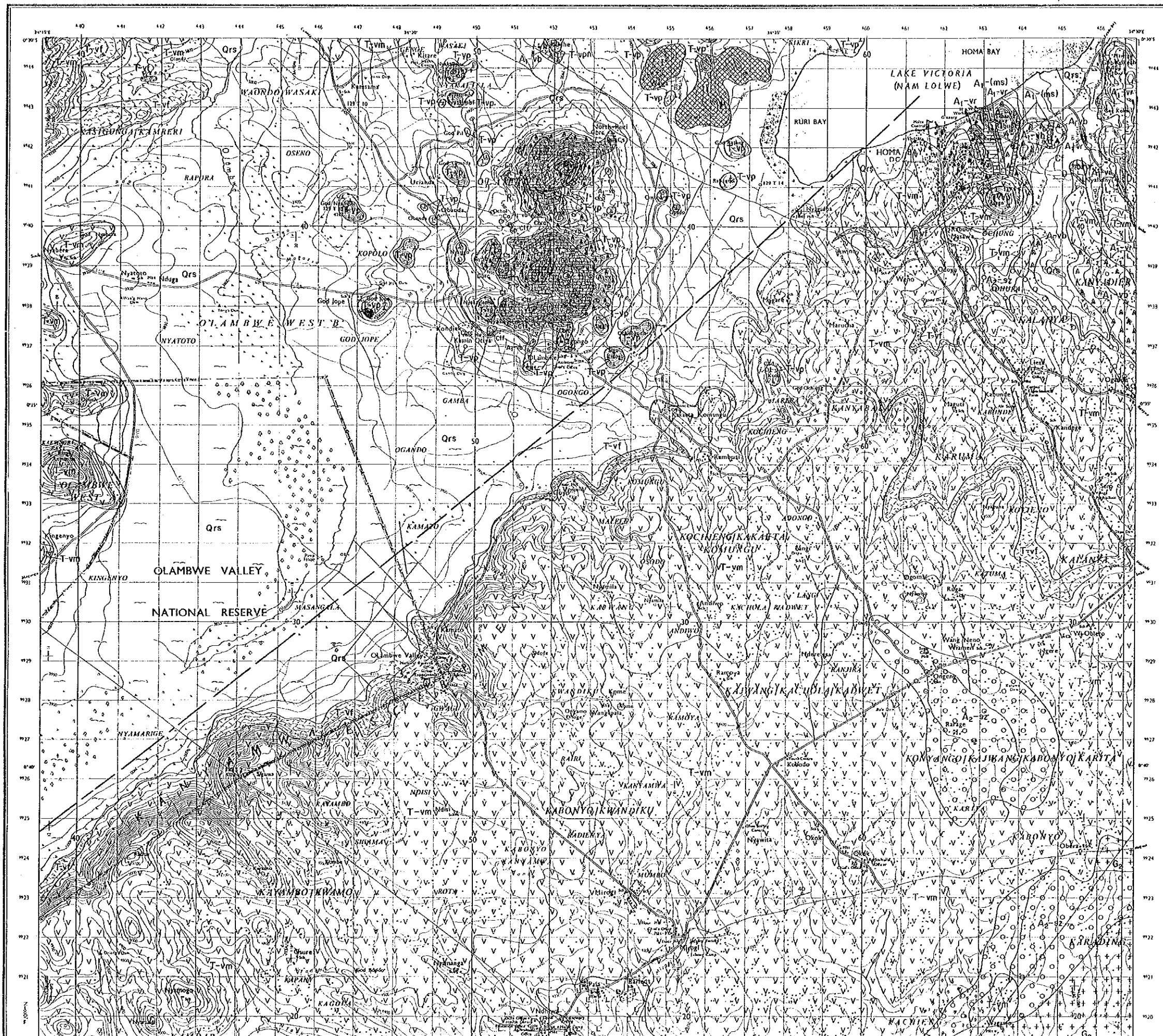
LEGEND

RECENT	Qrs	Surficial deposits and alluvium			
	Qrst	Talus deposits (RANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series)	}	HOMA MOUNTAIN Area	
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUSE Area)			
TERTIARY	T-vp'	Porphyritic phonolite (SOKOLO Area)			
	T-vf	Melonephelinitic pyroclastic rocks			
	T-vn	Melonephelinite, melilitite			
	T-vn'	Nephelinite agglomerate, pyroclastic rocks			
	Tmsl	Lake beds; calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	P-mq	Quartzite			
	P-mf	Kisii "soapstone"			
	P-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A ₂ -sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A ₁ -qs	Biotite-quartz schist			
	A ₁ -ms	Amphibole schist			
NYANZIAN SYSTEM					
PRECAMBRIAN	A ₁ -vcs	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	}	HOMA MOUNTAIN Area	
	A ₁ -vcv	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite			
	A ₁ -v	Shattered Nyanzian volcanic rocks mainly metaandesite and metaophiolite			
	A ₁ -vpd	Porphyritic rhyolite			
	A ₁ -vr	Rhyolite and rhyolitic tuff			
	A ₁ -vo	Andesite			
	A ₁ -tms	Metasedimentary rocks			
	A ₁ -vb	Metabasalt			
		INTRUSIVE AND PYROCLASTIC ROCKS			
		Carbonatite			
	Cf	Ferrocyanatite			
	Ca	Alvikite (C: RANGWA Area)			
	Cs	Sövite			
	Cbrc	Carbonatitic breccia			
	Phvb	Phonolite vent breccia with carbonatite breccia (RURI HILL Area)			
	Brc	Calcareous ocherous breccia (HOMA MOUNTAIN Area)			
		Pyroclastic rocks			
	Fb	Ferrous breccia (KUSE Area)			
	T-vfs	Calcareous lapilli tuff, tuff breccia			
	T-vfa	Calcareous tuff breccia (Upper agglomerate)			
	T-vfs	Calcareous lapilli tuff, partly bedded	}	RANGWA Area	
	T-vfz	Calcareous bedded tuff			
	T-vf	Tuff breccia (Lower agglomerate)			
	Cif	Extrusive carbonatite tuff (RURI HILL Area)			
	Cp	Calcareous pyroclastic rocks (SOKOLO Area)			
		INTRUSIVE ROCKS			
	Brcs	Siliceous breccia (SAGARUME Area, HOMA MOUNTAIN Area)			
	Sy	Nepheline syenite			
	Imp	Micro-ijolite, pyroxenite (SAGARUME Area)			
	I	Ijolite, uncomphgrite			
		POST-KAVIRONDIAN			
	P-mf	Fenitized granitic rocks (SAGARUME Area)			
	G3	Granite, granodiorite			
	D	Diorite			
		POST-NYANZIAN			
	G2	Granite, granodiorite			
		MINOR INTRUSIONS			
	P	Phonolite dyke			
	N	Nephelinite dyke			
	Dl	Dolerite			
	G	Gabbro			
	Px	Pyroxenite			
	Qp	Quartz porphyry			
	Fe-ore	Iron ore (scattered zone) and gossion zone			
	Qv	Quartz vein			
		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			



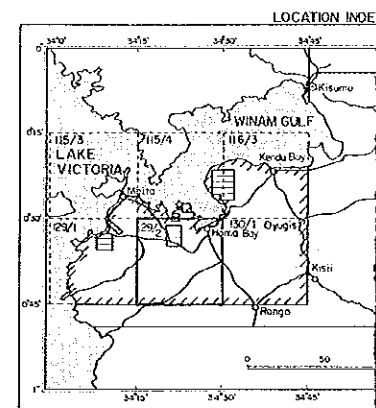
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HOMA BAY



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

GEOLOGICAL MAP OF THE HOMA BAY AREA (REGIONAL SURVEY)



JAPAN INTERNATIONAL COOPERATION
METAL MINING AGENCY
February 1986

Scale 1:50,000

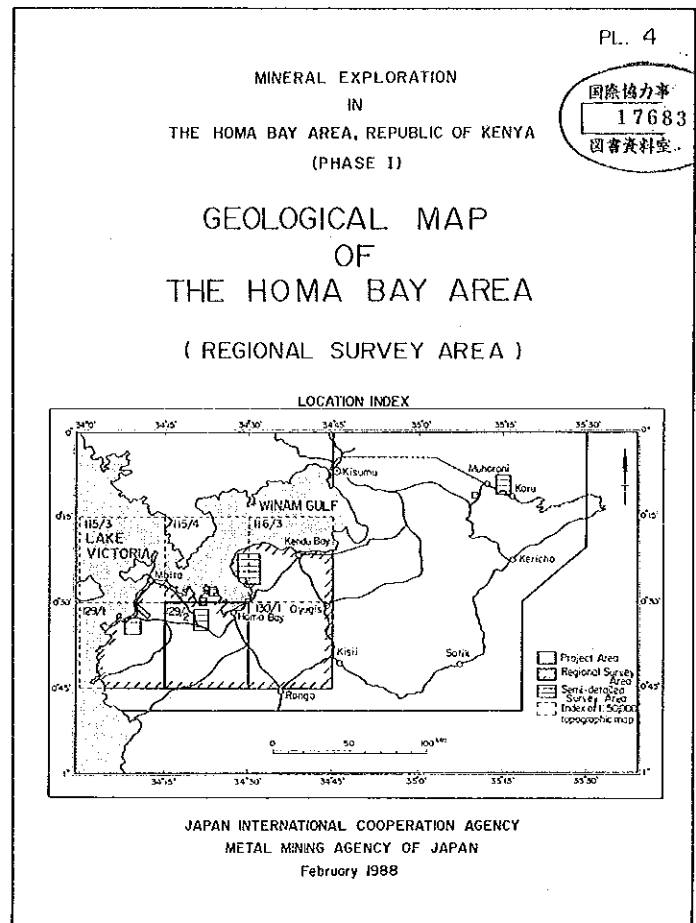
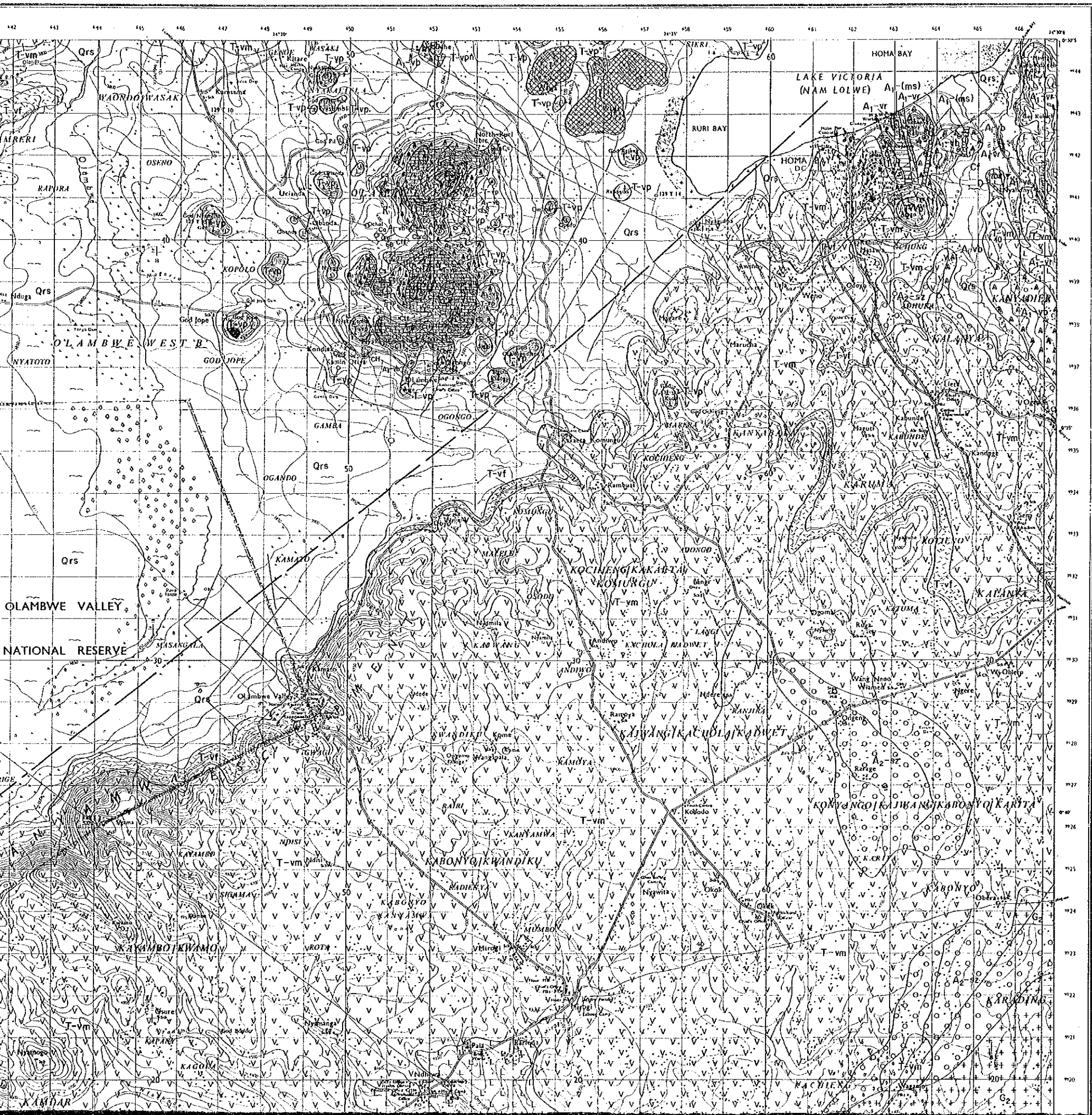
LEGEND

RECENT	Qrs	Surficial deposits and alluvium			
	Qrst	Talus deposits (RANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series)	(HOMA MOUNTAIN Area)		
	Q-vf	Calcareous lapilli tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUGE Area)			
	T-vp'	Porphyritic phonolite (ISOKOLO Area)			
TERTIARY	T-vf	Melanephelinitic pyroclastic rocks			
	T-vm	Melanephelinite, melilitite			
	T-vn	Nephelinite agglomerate, pyroclastic rocks			
	Imst	Lake beds; calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	E-mq	Quartzite			
	E-mt	Kisii "soapstone"			
	E-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A ₂ -sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A ₁ -sq	Biotite-quartz schist			
	A ₁ -sh	Amphibole schist			
PRECAMBRIAN		NYANZIAN SYSTEM			
	A ₁ -vc	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	(HOMA MOUNTAIN Area)		
	A ₁ -vc'	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite			
	A ₁ -v	Shattered Nyanzian volcanic rocks mainly melandresite and metarhyolite			
	A ₁ -vp	Porphyritic rhyolite			
	A ₁ -vr	Rhyolite and rhyolitic tuff			
		INTRUSIVE AND PYROCLASTIC			
	Cf	Ferrocarnatite			
	Co	Alvikite (C: RA)			
	Cs	Sövite			
	Cbrc	Carbonatitic breccia			
	Phvb	Phonolite vent breccia			
	Brc	Calcareous ocher			
		Pyroclastic rocks			
	Fb	Ferrous breccia			
	T-vf ₁	Calcareous lapilli			
	T-vf ₂	Calcareous tuff			
	T-vf ₃	Calcareous lapilli			
	T-vf ₄	Calcareous bedded tuff			
	T-vf ₅	Tuff breccia (L)			
	Ctf	Extrusive carbonatite			
	Cp	Calcareous pyroclastic			
		INTRUSIVE ROCKS			
	Brcs	Siliceous breccia			
	Sy	Nepheline syenite			
	ImP	Micro-jiolite, p			
	I	Ijolite, uncompat			
		POST-KAVIRONDIAN			
	E-mf	Fertilized granite			
	G ₁	Granite, granodiorite			
	D	Diorite			
		POST-NYANZIAN			
	G ₂	Granite, granodiorite			

(KENYA)

HOMA BAY

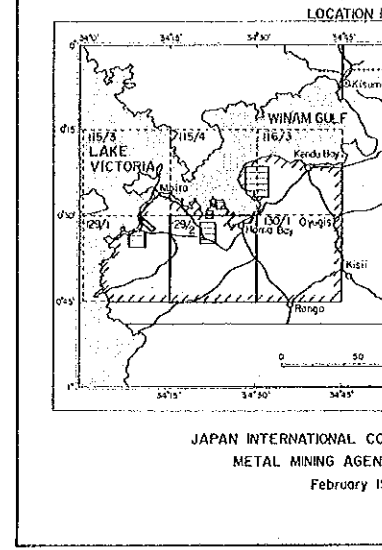
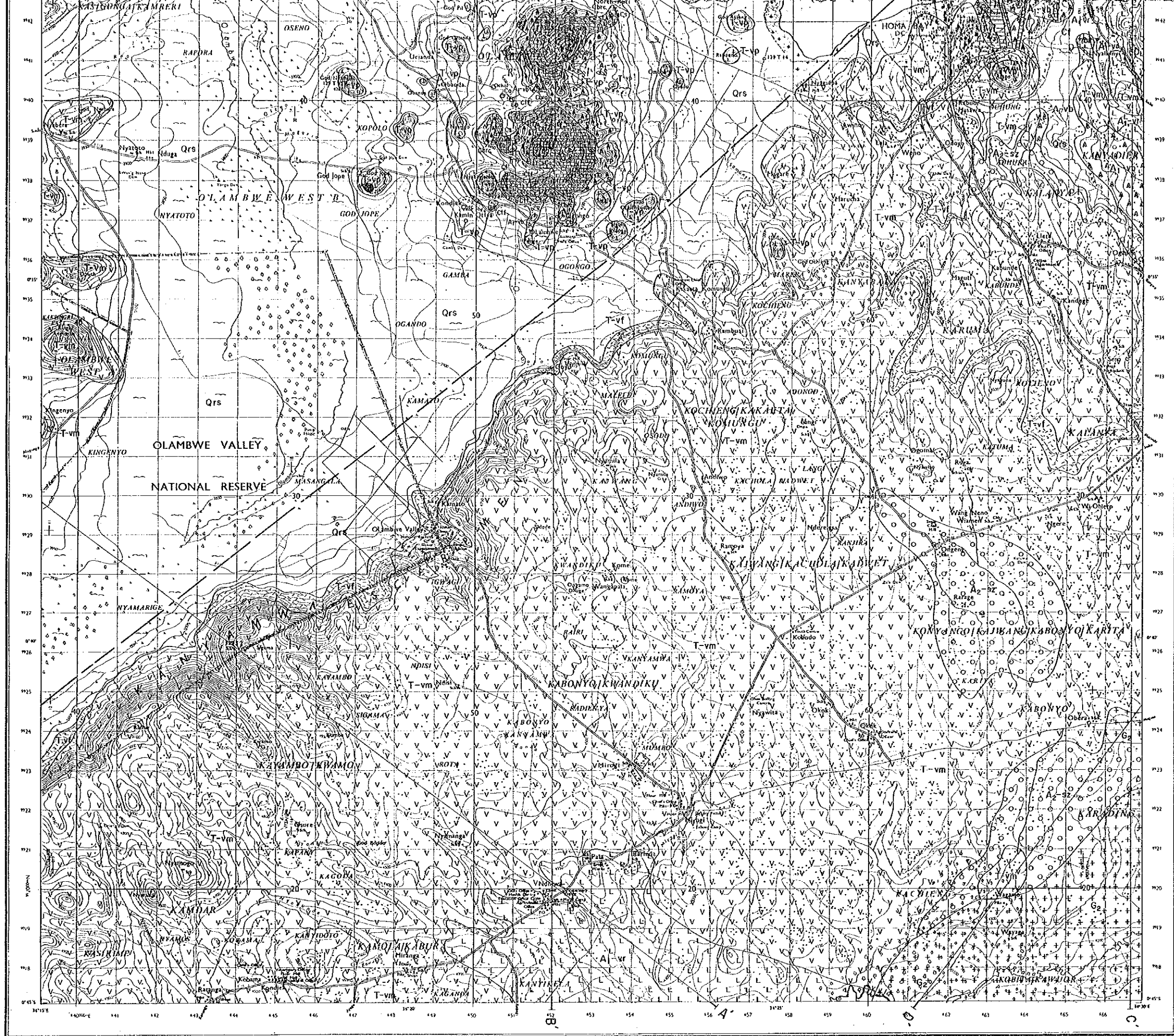
Series Y731
 Sheet 129/2
 Edition 5-SK



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LEGEND

<p>RECENT</p> <p>PLEISTOCENE</p> <p>TERTIARY</p> <p>BUKOBAN SYSTEM</p> <p>KAVIRONDIAN SYSTEM</p> <p>KAKSINGIRI SCHISTS</p> <p>NYANZIAN SYSTEM</p> <p>PRECAMBRIAN</p>	<p>Qrs Surficial deposits and alluvium</p> <p>Qrs1 Talus deposits (RANGWA Area)</p> <p>Qpsl Lake beds</p> <p>Qpss Sandstone, siltstone and conglomerate (BALA Series) (HOMA MOUNTAIN Area)</p> <p>Q-vf Calcareous lapilli tuff, tuff breccia and bedded tuff</p> <p>T-vp Phanolite</p> <p>T-vpn Phonolitic nephelinite (KUGE Area)</p> <p>T-vp Porphyritic phonolite (SOKOLO Area)</p> <p>T-vf Melanephelinitic pyroclastic rocks</p> <p>T-vm Melanephelinite, melilitite</p> <p>T-vn Nephelinite agglomerate, pyroclastic rocks</p> <p>Tmsl Lake beds; calcareous sandstone and calcareous tuff</p> <p>P-mq Quartzite</p> <p>P-ml Kisi "soapstone"</p> <p>P-vb Basalt</p> <p>A₂-sz Conglomerate and sandstone</p> <p>A₂-ms Biotite-quartz schist</p> <p>A₁-ms Amphibole schist</p> <p>A₁-vbc Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite</p> <p>A₁-vov Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite (HOMA MOUNTAIN Area)</p> <p>A₁-v Shattered Nyanzian volcanic rocks mainly metaandresite and metarhyolite</p> <p>A₁-vrp Porphyritic rhyolite</p> <p>A₁-vr Rhyolite and rhyolitic tuff</p> <p>A₁-va Andesite</p>	<p>INTRUSIVE AND PYROCLASTIC ROCKS</p> <p>Carbonatite</p> <p>Cf Ferrocronatite</p> <p>Co Alvikite (C: RANGWA Area)</p> <p>Cs Sövite</p> <p>Cbr Carbonatitic breccia</p> <p>Phvb Phonolite vent breccia with carbonatite breccia (RURI HILL Area)</p> <p>Brc Calcareous ochreous breccia (HOMA MOUNTAIN Area)</p> <p>Pyroclastic rocks</p> <p>Fb Ferruginous breccia (KUGE Area)</p> <p>T-vf₅ Calcareous lapilli tuff, tuff breccia</p> <p>T-vf₄ Calcareous tuff breccia (Upper agglomerate)</p> <p>T-vf₃ Calcareous lapilli tuff, partly bedded</p> <p>T-vf₂ Calcareous bedded tuff</p> <p>T-vf₁ Tuff breccia (Lower agglomerate)</p> <p>Ch Extrusive carbonatite tuff (RURI HILL Area)</p> <p>Cp Calcareous pyroclastic rocks (SOKOLO Area)</p> <p>INTRUSIVE ROCKS</p> <p>Brcs Siliceous breccia (SAGARUME Area) (HOMA MOUNTAIN Area)</p> <p>Sy Nepheline syenite</p> <p>ImP Micro-ijolite, pyroxenite (SAGARUME Area)</p> <p>I Ijolite, uncomphgrite</p> <p>POST-KAVIRONDIAN</p> <p>P-mf Fenitized granitic rocks (SAGARUME Area)</p> <p>G₃ Granite, granodiorite</p> <p>D Diorite</p> <p>POST-NYANZIAN</p> <p>G₂ Granite, granodiorite</p>
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JAPAN INTERNATIONAL COOP
METAL MINING AGENCY
February 1981

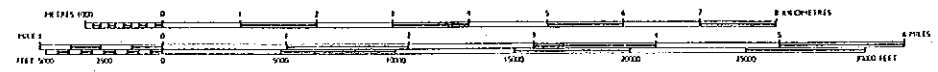
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LEGEND

RECENT	Qrs	Surficial deposits and alluvium			
	Qrs1	Talus deposits (RANGWA Area)			
	Qpsl	Lake beds			
PLEISTOCENE	Qpss	Sandstone, siltstone and conglomerate (BALA Series)	HOMA MOUNTAIN Area		
	Q-vf	Calcareous tuff, tuff breccia and bedded tuff			
	T-vp	Phonolite			
	T-vpn	Phonolitic nephelinite (KUGE Area)			
TERTIARY	T-vp'	Porphyritic phonolite (SOKOLO Area)			
	T-vf	Melanepheritic pyroclastic rocks			
	T-vn	Melanepherite, melilitite			
	T-vn'	Nephelinite agglomerate, pyroclastic rocks			
	Tmsl	Lake beds; calcareous sandstone and calcareous tuff			
		BUKOBAN SYSTEM			
	P-mq	Quartzite			
	P-mt	Kisii "soapstone"			
	P-vb	Basalt			
		KAVIRONDIAN SYSTEM			
	A ₂ -sz	Conglomerate and sandstone			
		KAKSINGIRI SCHISTS			
	A ₂ -ms	Biotite-quartz schist			
	A ₂ -ms'	Amphibole schist			
PRECAMBRIAN		NYANZIAN SYSTEM			
	A ₁ -vbc	Shattered Nyanzian volcanic rocks intruded by dyke swarms of carbonatite	HOMA MOUNTAIN Area		
	A ₁ -vcv	Strongly shattered Nyanzian volcanic rock with network veinlets of carbonatite			
	A ₁ -v	Shattered Nyanzian volcanic rocks mainly melandrite and metarhyolite			
	A ₁ -vrb	Porphyritic rhyolite			
	A ₁ -vr	Rhyolite and rhyolitic tuff			
	A ₁ -vo	Andesite			
	A ₁ -msl	Metasedimentary rocks			
	A ₁ -vb	Metabasalt			
		INTRUSIVE AND PYROCLASTIC			
	Cf	Ferrocyanatite			
	Co	Alvikite (C.R.A.)			
	Cs	Sövite			
	Cbrc	Carbonatitic breccia			
	Phvb	Phonolite vent breccia			
	Brc	Calcareous ocher			
		Pyroclastic rocks			
	Fb	Ferrous breccia			
	T-vf ₁	Calcareous lapilli			
	T-vf ₂	Calcareous tuff			
	T-vf ₃	Calcareous lapilli			
	T-vf ₄	Calcareous bedded tuff			
	T-vf ₅	Tuff breccia (L)			
	Cff	Extrusive carbonatite			
	Cp	Calcareous pyroclastic			
		INTRUSIVE ROCKS			
	Brcs	Siliceous breccia			
	Sy	Nepheline syenite			
	ImP	Micro-jiolite, p			
	I	Ijolite, uncomph			
		POST-KAVIRONDIAN			
	P-mf	Fenitized granitoid			
	G ₃	Granite, granodiorite			
	D	Diorite			
		POST-NYANZIAN			
	G ₂	Granite, granodiorite			
		MINOR INTRUSIONS			
	P	Phonolite dyke			
	N	Nephelinite dyke			
	Dl	Dolerite			
	G	Gabbro			
	Px	Pyroxenite			
	Qp	Quartz porphyry			
	Fe-ore	Iron ore (scattered)			
	Qv	Quartz vein			
		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			

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SCALE 1:50,000



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Map showing areas of volcanic rocks are shaded in black. In the map, the Homa Mts. are shaded in black. The map is a reproduction of the original map.