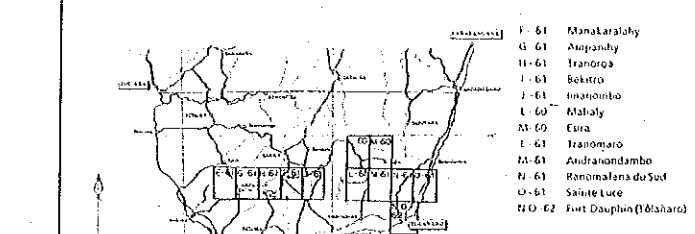


Reproduit et publié par le Service Géographique de Madagascar en 1992.
 Échelle 1 : 100.000
 Reproduit et publié par le Service Géographique de Madagascar en 1992.
 Échelle 1 : 100.000

GEOLOGICAL MAP AND PROFILE OF THE MAHALY DISTRICT (6)



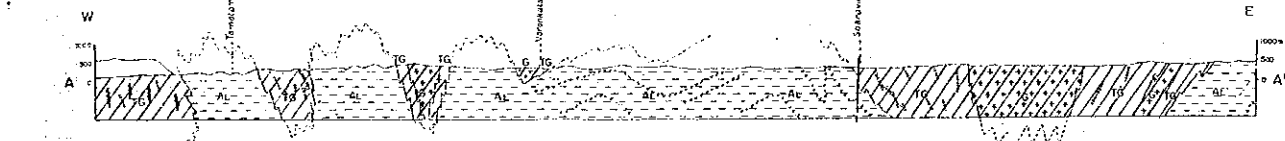
- F-61 Manakalafaly
- G-61 Ampangidy
- H-61 Tranomaro
- I-61 Sakitro
- J-61 Amantombo
- L-61 Mahaly
- M-61 Esia
- N-61 Tranomaro
- O-61 Andranondambo
- P-61 Anomalama du Sud
- Q-61 Sainte-Luce
- R-61 Ivet Dauphin (Maharo)

JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 FEBRUARY 1992

Scale 1 : 100,000

LEGEND

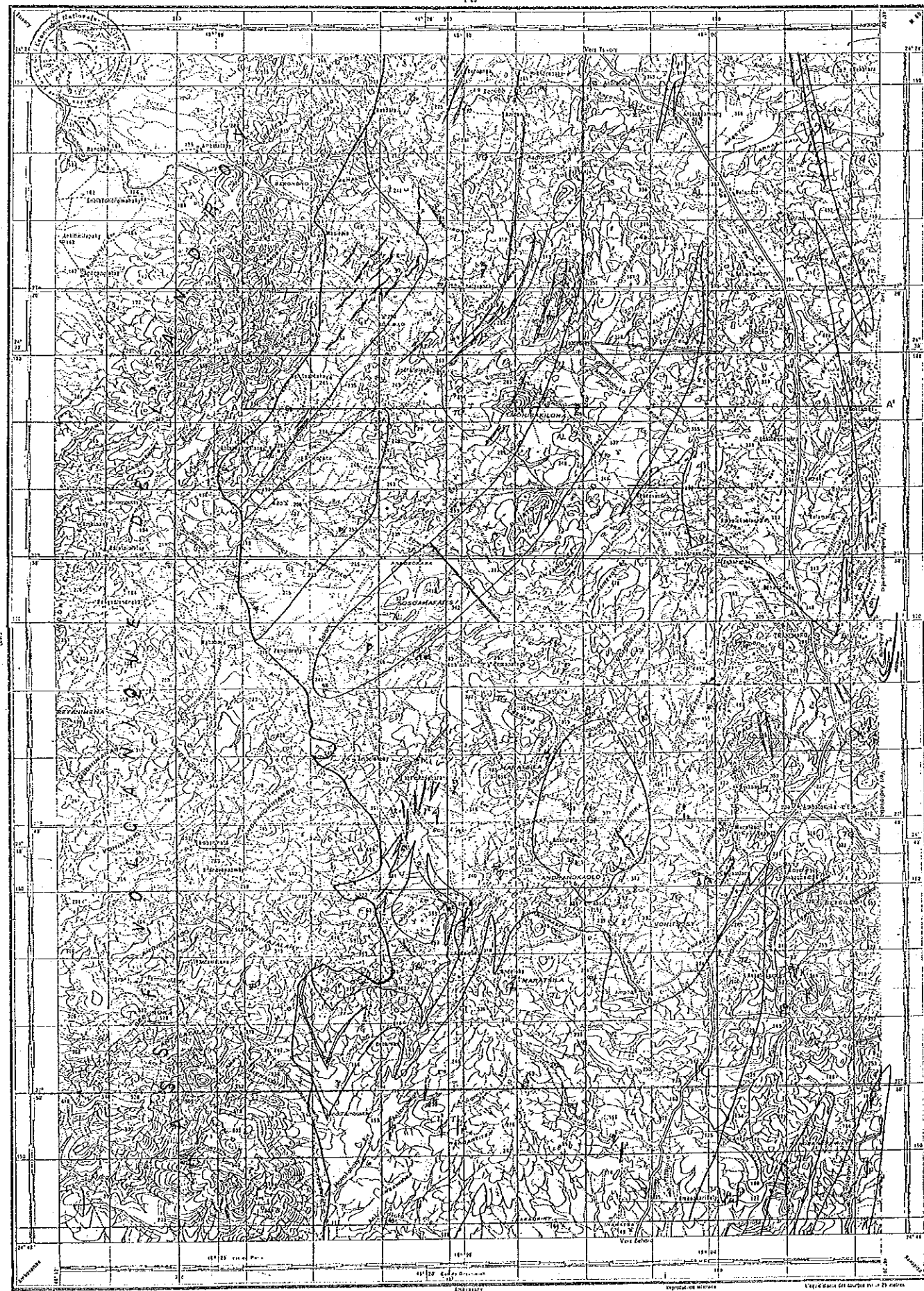
Quaternary	Aluvium	Aluvium				
Neogene	Andranondambo Series, Mudstone, sandstone	mp				
Recent igneous rocks	Basalt, Dolérite d'axe	BP	rhynite d'axe	RO	Microgranite	
Old igneous rocks	Granite d'axe	γ ²	Granite	θ1	Gabbro	
	Labradorite	N	Serpentine	γ ¹	Othogneiss	
	Augen gneiss	Gγ0	Granitic gneiss	γP	Porphyritic granite	
	Concordant granite	G	Granitic complex	γ ¹	Alkaligranite	
	Anosyennes Granite	γ ¹	Stratiform granite, migmatitic granite			
	Pyroxenite	γ ¹	Charnockite	θ	Dunite	
Precambrian Crystalline Schist						
Common facies in different formations	Graphite	Q	Quartzite	C	Marble	
Vehivory System (Vehivory Group)	VG	Gneiss	VL	Leptinite	A	Amphibolite
Graphitic System (Ampanahy Group)	GG	Gneiss	GL	Leptinite		
Androyen System	Ampanahandava Group	AG	Gneiss	MG	Maficly Bed, Gneiss, marble	
		LL	Laminated Bed, Leptinite	AmG	Ambe Bed, Gneiss, quartzite	
	Tranomaro Group	TL	Tsilamaha Bed, Leptinite	TG	Tranomaro Bed, Gneiss, marble, pyroxenite	
	Antsakoamary Group	AL	Antsakoamary Bed, Leptinite, quartzite, gneiss, pyroxenite			
Fort-Dauphin Group	L	Leptinite, granite, gneiss	Lgc	Leptinite	Lyg	Granitic rock
Signs						
	Dip < 45°	Dip > 45°	Vertical	Horizontal	Anticline	
	Overturned anticline	Overturned syncline	Schistosity	Plunging axis	Visible fault	
	Mylonite	Pegmatite	Quartz vein			
	Mine	Tunnel	Open pit			
	Phlogopite	Muscovite	Quartz	Rose quartz	Graphite	
	Cu	Mn	Beryl	Tourmaline	Euaxite	
	Chrysotile	Kaolin	Jasper	Apatite	Fluorite	
	Corundum	Allanite	Sapphire	Sheelite	Tantalite	
	Bauxite	Cassiterite	Pyrite	Pyrite, molybdenite	Magnetite	
	Zircon	Monazite	Ilmenite	Zircon-Monazite sand	Ilmenite	
	Limestone	Quarry	Hot spring			



CARTE DE MADAGASCAR AU 1/100 000
(Type 10263)
Département de cette carte internationale du monde
au 1/500 000

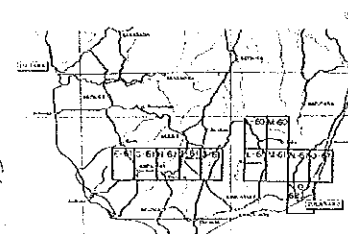
FILE L 61
TRANOMARO

Etat planimétrique : exploitation, appuyé sur T.P.F.R.,
des photographies aériennes verticales.
Compléments en figure de relief : effectués sur le terrain en 1978



PL. 3-1-8

**THE MINERAL EXPLORATION
IN
THE SOUTHERN AREA
THE DEMOCRATIC REPUBLIC OF MADAGASCAR
(PHASE I)
GEOLOGICAL MAP AND PROFILE
OF THE TRANOMARO DISTRICT (8)**



- 1-61 Manakara
- 4-61 Ampahy
- 11-61 Tranomaro
- 1-61 Bekato
- 1-61 Imankoto
- 1-60 Mahaly
- 10-50 Tava
- 1-61 Tranomaro
- 11-61 Andranondambo
- 11-61 Ranomafana du Sud
- 0-61 Sainte Lucie
- 11-0-62 Fort Dauphin (Iblanara)

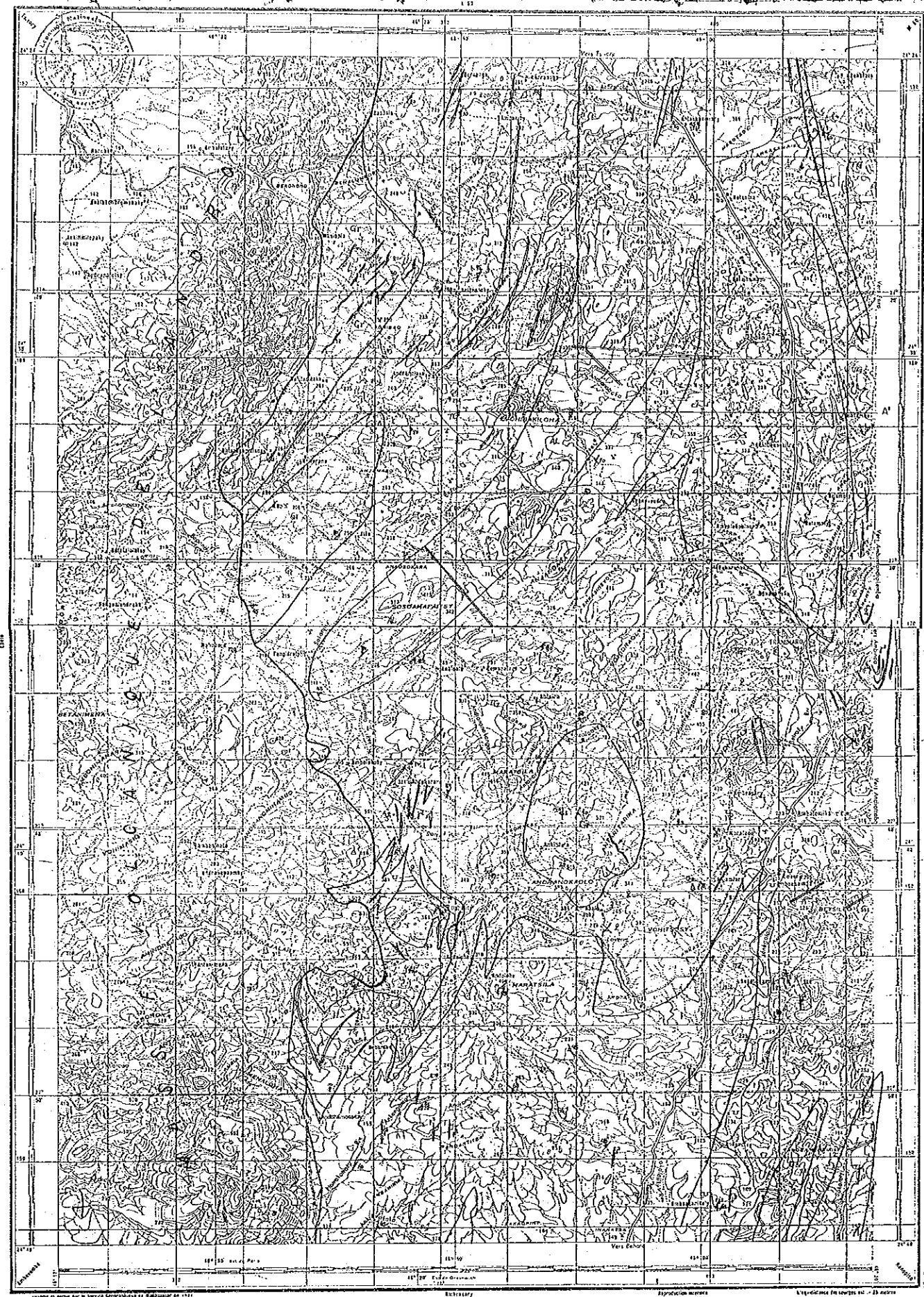
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1992

Scale 1:100,000

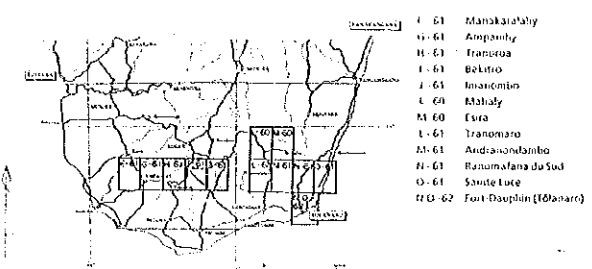
LEGEND

Quaternary	Alluvium				
Neogene	Andranobo Series: Mudstone, sandstone				
Recent Tertiary Rocks	Basalt-Oolite d.t.e	Rhyolite d.t.e	Microgranite	Microsyenite	
Old Tertiary Rocks	Granite d.t.e	Granite	Gabbro		
	Labradorite	Serpentine	Orthogneiss		
	Augen gneiss	Granitic gneiss	Porphyritic granite		
	Concordant granite	Granitic complex	Alkali granite		
	Anisyenne Granite	Stratiform granite, migmatitic granite			
	Pyroxenite	Charnockite	Quartzite		
Precambrian Crystalline Schist					
Common facies in different formations	Graphite	Quartzite	Marble	Amphibolite	
Wohibory System (Wohibory Group)	Gneiss	Leptinite			
Graptite System (Ampahy Group)	Gneiss	Leptinite			
Andrikyen System	Ampandrandava Group	Gneiss	Mafefy Bed: Gneiss, marble		
		Tantafisa Bed: Leptinite	Ambie Bed: Gneiss, quartzite		
	Tranomaro Group	Tsilamaha Bed: Leptinite	Tranomaro Bed: Gneiss, marble, pyroxenite		
	Antsakoamary Group	Antsakoamary Bed: Leptinite, quartzite, gneiss, pyroxenite			
Fort Dauphin Group	Leptinite, granulate, gneiss	Leptinite	Granitic rock		

Symbols	Dip < 45°	Dip > 45°	Vertical	Horizontal	Anticline	Syncline
	Overturned anticline	Overturned syncline	Schistosity	Plunging axis	Visible fault	Presumed fault
	Mylonite	Pegmatite	Quartz vein			
	Mine	Tunnel	Open pit			
	Phlogopite	Muscovite	Quartz	Rock quartz	Graphite	Graphite vein
	Cu	Mn	Beryl	Tourmaline	Euxenite	Amethyst
	Chrysotile	Yadon	Jasper	Apatite	Fluorite	Thorianite
	Corundum	Atlante	Sapphire	Sheelite	Tantalite	Magnetite
		Castroite	Pyrite	Pyrite monoclone		



(PHASE I)
GEOLOGICAL MAP AND PROFILE
OF THE TRANOMARO DISTRICT (8)

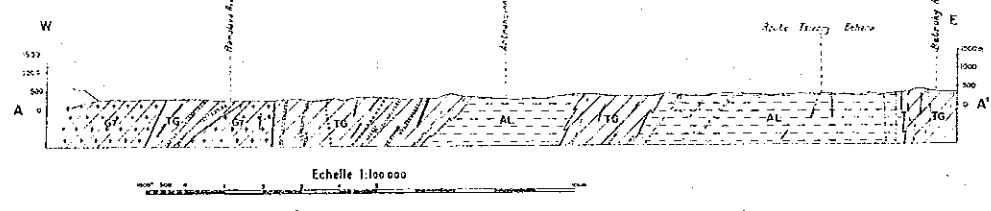


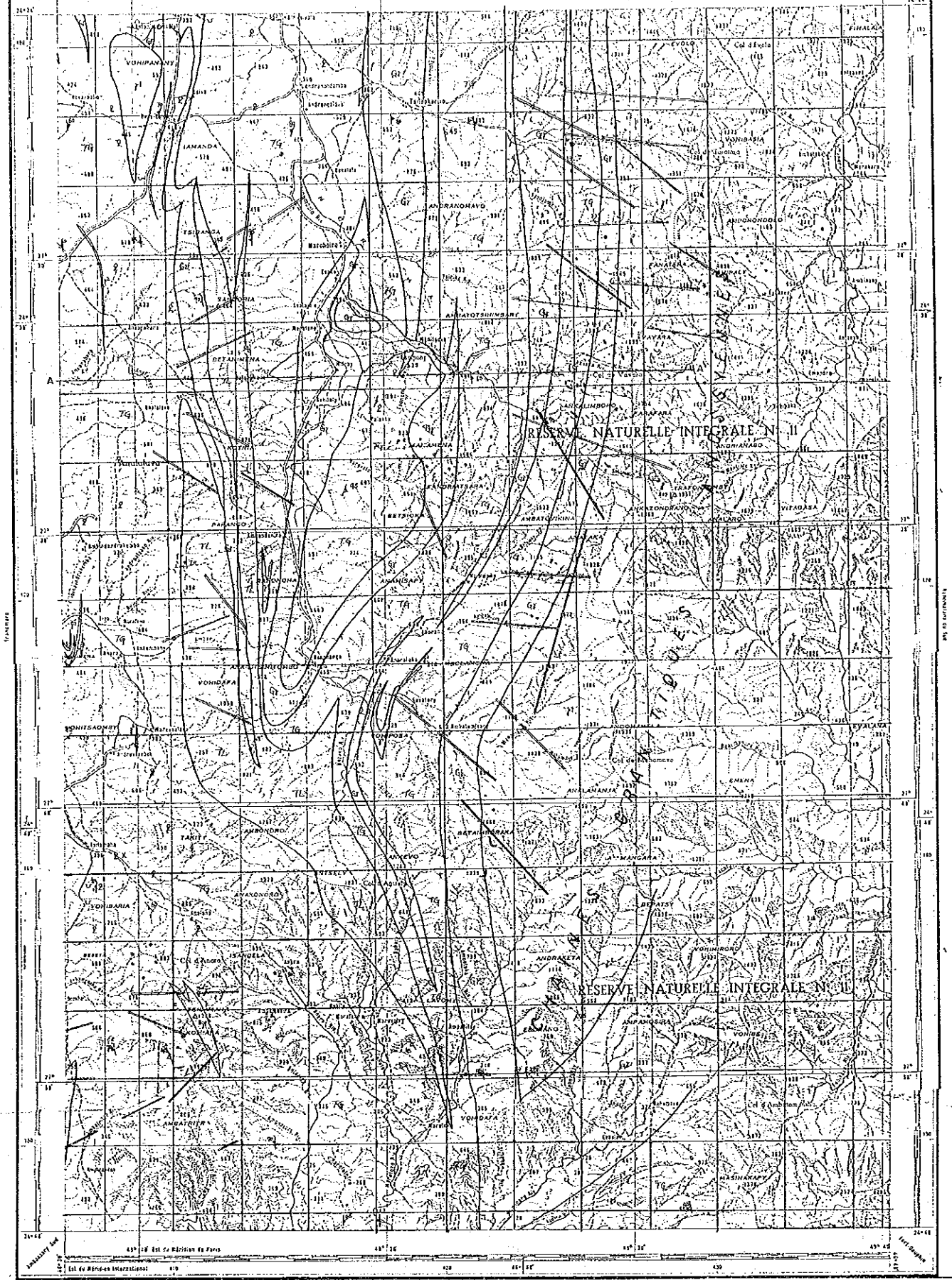
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1992

Scale 1:100,000

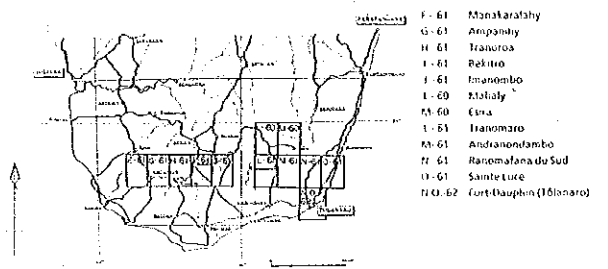
LEGEND

Holocene	Alluvium				
Neogene	Andriamanga Series: Mudstone, sandstone				
Recent igneous rocks	Basalt, Diabase dike	Rhyolite dike	Microgranite	Meroyenite	
Old igneous rocks	Granite dike	Granite	Gabbro		
	Labradorite	Serpentinite	Orthogneiss		
	Augen gneiss	Granitic gneiss	Porphyritic granite		
	Concordant granite	Granitic complex	Alkali granite		
	Antyenne's Granite	Stratiform granite, migmatite, granite			
	Pyroxenite	Charnockite	Dunite		
Pre-Cambrian Crystalline Schists					
Common facies in different formations	Graphite	Quartzite	Marble	Amphibolite	
Vohibory System (Vohibory Group)	Gneiss	Leptinite			
Graphite System (Amparohy Group)	Gneiss	Leptinite			
Androyan System					
Amparohy Group	Gneiss	Maficly Bed, Gneiss, marble			
Tranomaro Group	Lantsirao Bed, Leptinite	Ambly Bed, Gneiss, quartzite			
Antyenne's Group	Tsilamaha Bed, Leptinite	Tranomaro Bed, Gneiss, marble, pyroxenite			
Fort Dauphin Group	Antyenne's Bed, Leptinite, quartzite, gneiss, pyroxenite	Leptinite	Granitic rock		
Symbols					
Dip < 45°	Dip > 45°	Vertical	Horizontal	Anticline	Syncline
Overturned anticline	Overturned syncline	Schistosity	Plunging axis	Visible fault	Presumed fault
Mylonite	Pegmatite	Quartz vein			
Mine	Tunnel	Open pit			
Phlogopite	Muscovite	Quartz	Rose quartz	Graphite	Graphite vein
Cu	Mn	Beryl	Tourmaline	Euxenite	Amethyst
Chrysoberyl	Kaolin	Jasper	Apatite	Fluorite	Thorianite
Corundum	Allanite	Sapphire	Sheetite	Tantalite	Magnetite
Bauxite	Cassiterite	Pyrite	Pyrite, molybdenite		Ilmenite
Zircon	Monazite	Pyrite-Zircon-Monazite sand			
Limestone	Quarry	Hot spring			



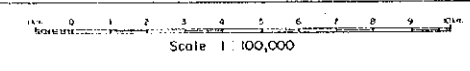


(PHASE I)
GEOLOGICAL MAP AND PROFILE
OF THE ANDRANONDAMBO DISTRICT (9)



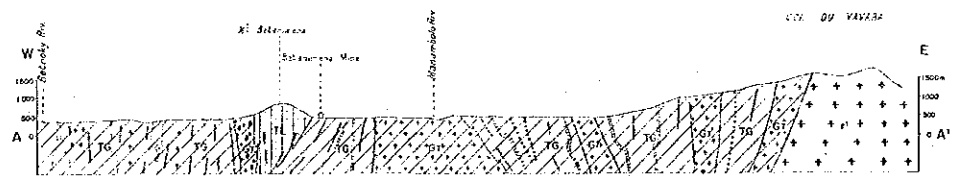
- F-61 Manakarahy
- G-61 Anpanahy
- H-61 Tranoroa
- I-61 Reliteo
- J-61 Imanombo
- K-61 Zilahy
- L-61 Eoa
- M-61 Itranomaro
- N-61 Andranondambo
- O-61 Ranomafana Sud
- P-61 Samituro
- Q-62 Fort-Dauphin (Ebinaro)

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1992



LEGEND

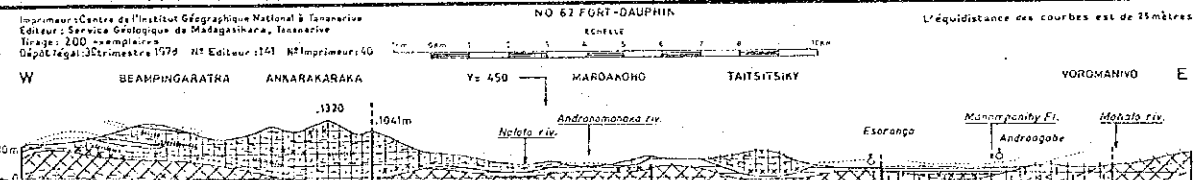
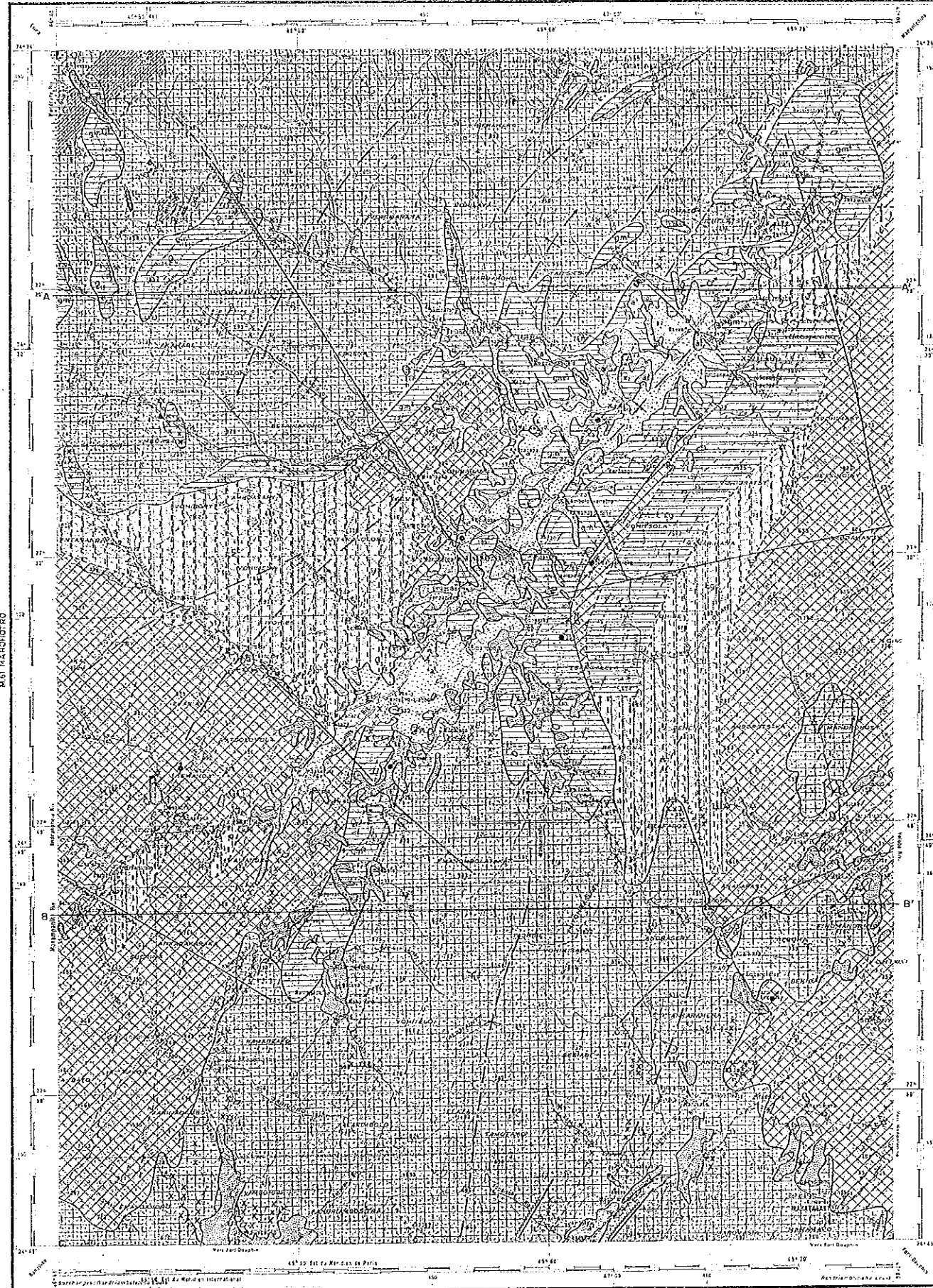
- | | | | |
|----------------------------------------------|-------------------------------|---------------------------------------|---------------------|
| Alluvium | | Alluvium | |
| Basalts | | Basalt | |
| Recent igneous rocks | | Recent igneous rocks | |
| Old igneous rocks | | Old igneous rocks | |
| Precambrian Crystalline Schists | | Precambrian Crystalline Schists | |
| Common facies in different formations | | Common facies in different formations | |
| Vohibory System (Vohibory Group) | | Vohibory System (Vohibory Group) | |
| Graphite System (Anpanahy Group) | | Graphite System (Anpanahy Group) | |
| Andriovo System | | Andriovo System | |
| Fort-Dauphin Group | | Fort-Dauphin Group | |
| Signs | | Dip > 45° | |
| | Overturned anticline | | Overturned syncline |
| | Mylonite | | Pegmatite |
| | Mine | | Tunnel |
| | Open pit | | Quartz vein |
| | Phlogopite | | Muscovite |
| | Quartz | | Rose Quartz |
| | Graphite | | Graphite vein |
| | Cu | | Mn |
| | Beryl | | Tourmaline |
| | Fluorite | | Amethyst |
| | Chrysothole | | Kaolin |
| | Jasper | | Apatite |
| | Fluorite | | Thorianite |
| | Corundum | | Allantite |
| | Sapphire | | Sheelite |
| | Tantalite | | Magnetite |
| | Cassiterite | | Pyrite |
| | Pyrite, molybdenite | | Ilmenite |
| | Zircon | | Monazite |
| | Ilmenite-Zircon-Monazite sand | | Quarry |
| | Limestone | | Hot spring |



MADAGASIKARA 1/100,000
Service Géologique

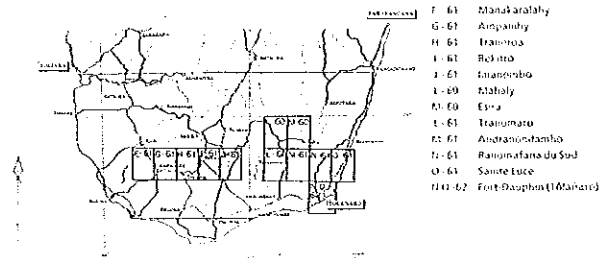
RANOMAFANA DU SUD
N.61

LEVERS 1971 (RAZAFIMANANTSOA
RAKOTOMANGA ANDRE
RANDRIANARISOA J.D.)
PROJET GÉOLOGIQUE - MINÉRIEN 1988-1992 - 1:100,000
RANOMAFANA DU SUD - DISTRICT N.61 - 100,000
Carte Géologique Ranomafana du Sud - 1:100,000
Éditée par le Service Géologique de Madagascar



PL. 3-1-10

THE MINERAL EXPLORATION
IN
THE SOUTHERN AREA
THE DEMOCRATIC REPUBLIC OF MADAGASCAR
(PHASE I)
GEOLOGICAL MAP AND PROFILE
OF THE RANOMAFANA DU SUD DISTRICT (10)

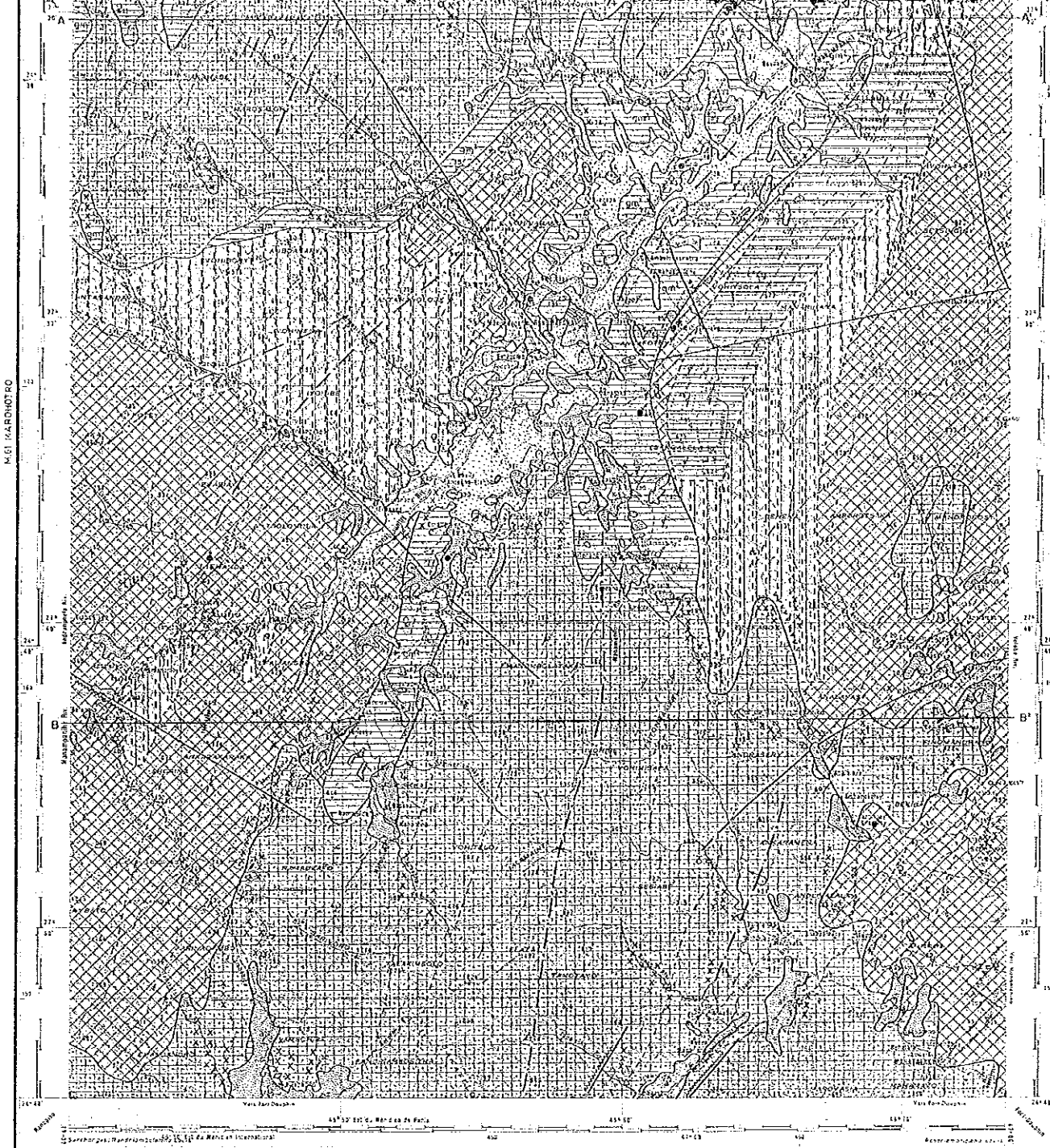


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1992

Scale 1:100,000

LEGEND

Holocene	Apicum				
Quaternary	Andriambo Series, Mudstone, sandstone				
Recent igneous rocks	Basalt, Diabase, dike	Rhyolite dike	Microgranite	Microssyenite	
Old igneous rocks	Granite dike	Granite	Gabbro		
	Labradorite	Serpentine	Orthogneiss		
	Augen gneiss	Granitic gneiss	Porphyritic granite		
	Concordant granite	Granitic complex	Alkali granite		
	Amogonyes Granite	Stratiform granite, migmatitic granite			
	Pyroxenite	Charnockite	Dunite		
Precambrian Crystalline Schist					
Common facies in different formations	Graphite	Quartzite	Marble	Amphibolite	
Vehivory System (Vehivory Group)	Gneiss	Leptinite			
Graphite System (Ampanihy Group)	Gneiss	Leptinite			
Ampandrandava Group	Gneiss	Mafely Bed, Gneiss, marble			
Ranomafana Group	Lantsitra Bed, Leptinite	Ambie Bed, Gneiss, quartzite			
Isamaha Group	Isamaha Bed, Leptinite	Tranomafana Bed, Gneiss, marble, pyroxenite			
Antanamiary Group	Antanamiary Bed, Leptinite, quartzite, gneiss, pyroxenite				
Fort Dauphin Group	Leptinite, granitic, gneiss	Leptinite	Granitic rock		
Symbols	Dip < 45°	Dip > 45°	Vertical	Horizontal	Anticline
	Overturned anticline	Overturned syncline	Schistosity	Plunging axis	Volcanic fault
	Mylonite	Pegmatite	Quartz vein		Presumed fault
	Mine	Tunnel	Open pit		
	Phlogopite	Muscovite	Quartz	Rock quartz	Graphite
	Cu	Mn	Beryl	Tourmaline	Euxenite
	Chrysolite	Kaolin	Jasper	Apatite	Fluorite
	Chromitum	Allanite	Sapphire	Shroete	Tantalite
	Baunite	Cassiterite	Pyrite	Pyrite, molybdenite	Magnetite
	Zircon	Monazite	Ilmenite	Zircon-Monazite sand	Ilmenite

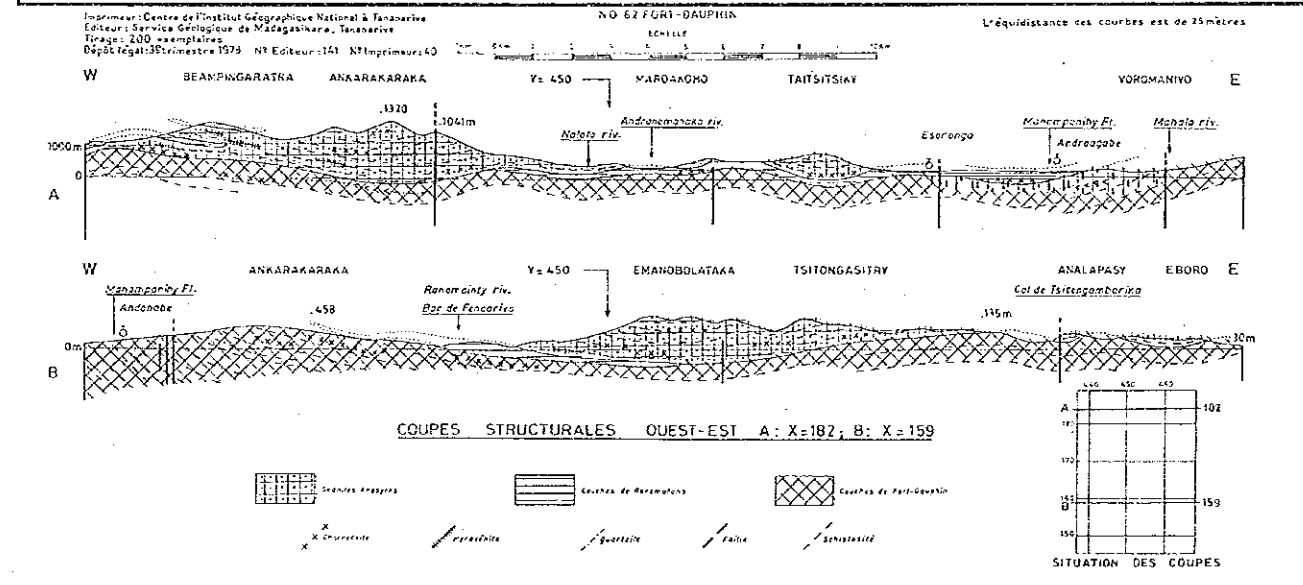


JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 FEBRUARY 1992

Scale 1 : 100,000

LEGEND

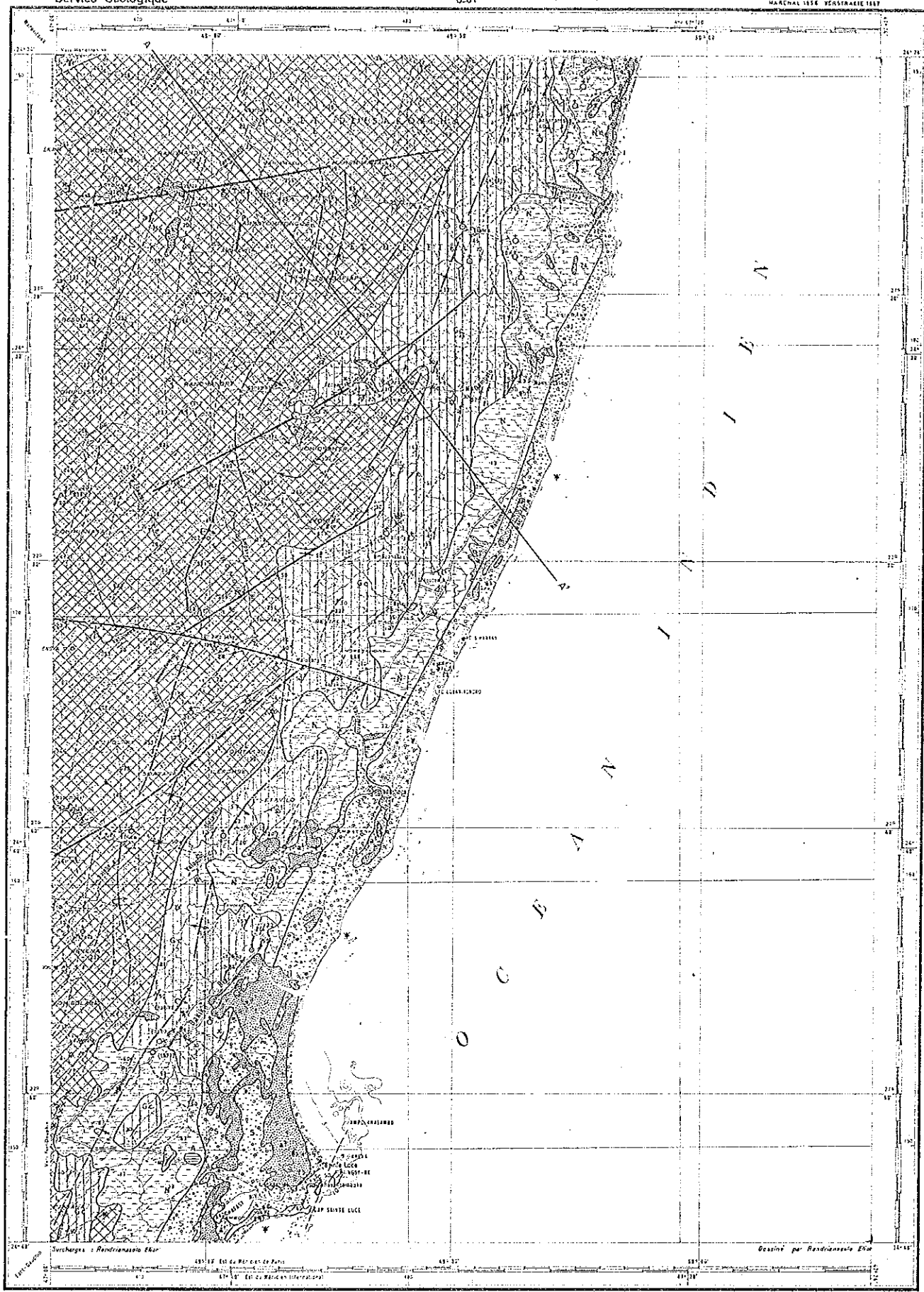
Hydrology		Alluvium
Geology		Andromalo Series, Mudstone, sandstone
Recent igneous rocks		Basalt, tholéite d'île
Old igneous rocks		Granite d'île
		Labradorite
		Augen gneiss
		Concordant granite
		Ancestral granite
		Pyroxenite
		Rhyolite d'île
		Microgranite
		Achromite
		Gabbro
		Orthogneiss
		Porphyritic granite
		Alkali granite
		Stratiform granite, migmatitic granite
		Charnockite
		Dunite
Precambrian Crystalline Schist		
Common facies in different formations		Graphite
Vehbery System (Vehbery Group)		Gneiss
Graphite System (Ampanihy Group)		Gneiss
		Gneiss
		Gneiss
		Gneiss
		Laminar Bed, Leptinite
		Tselamaba Bed, Leptinite
		Antsahomamy Bed, Leptinite, quartzite, gneiss, pyroxenite
		Leptinite, granulite, gneiss
		Leptinite
		Granitic rock
		Marble
		Amphibolite
		Quartzite
		Leptinite
		Leptinite
		Marble, Gneiss, marble
		Marble, Gneiss, quartzite
		Ironomaro Bed, Gneiss, marble, pyroxenite
		Leptinite
		Granitic rock
		Dip < 45°
		Overturned anticline
		Syncline
		Vertical
		Schistosity
		Horizontal
		Anticline
		Syncline
		Pung ngais
		Visible fault
		Presumed fault
		Pégmatite
		Quartz veins
		Tunnel
		Open pit
		Phlogopite
		Muscovite
		Quartz
		Rose quartz
		Graphite
		Graphite vein
		Cu
		Beryl
		Tourmaline
		Eluente
		Amethyst
		Chrysoïde
		Kaolin
		Jasper
		Apatite
		Fluente
		Thorante
		Corundum
		Allante
		Sapphire
		Sheelite
		Tantalite
		Magnetite
		Bauxite
		Cassitérite
		Pyrite
		Pyrite, molybdénite
		Ilmenite
		Zircon
		Monazite sand
		Limestone
		Quarry
		Hot spring



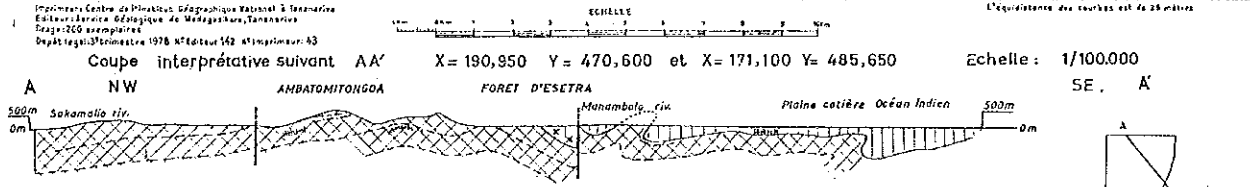
MADAGASCAR - 1/100,000
Service Géologique

SAINTE LUCE

LEVERS 1972
G. BAZOT
RAZAFIMANANTSOA
C. RAMANTRIRAISANA

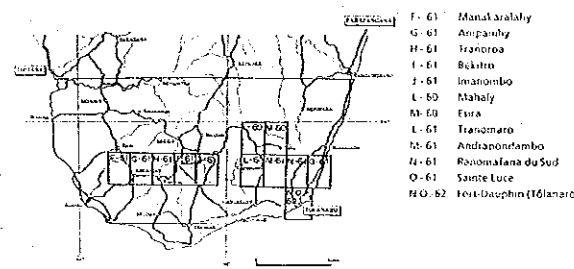


BANDWATER DU SUD N.61



PL. 3-1-11

THE MINERAL EXPLORATION IN THE SOUTHERN AREA THE DEMOCRATIC REPUBLIC OF MADAGASCAR (PHASE I) GEOLOGICAL MAP AND PROFILE OF THE SAINTE LUCE DISTRICT (11)

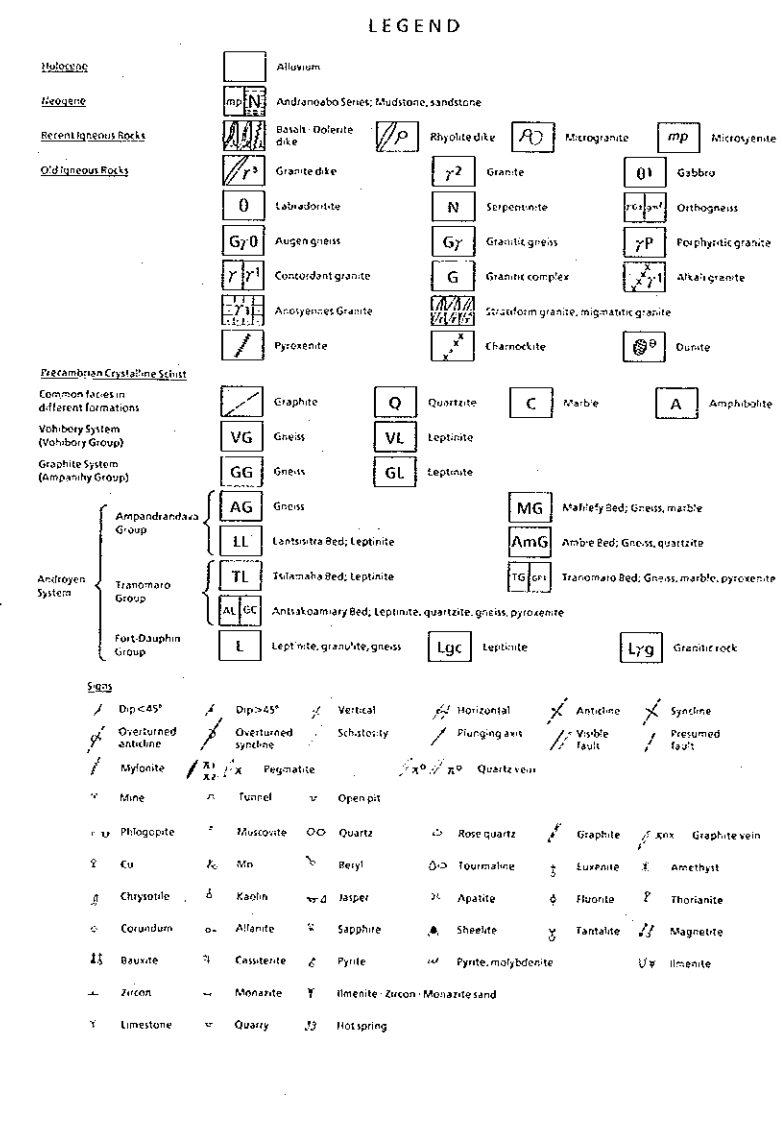
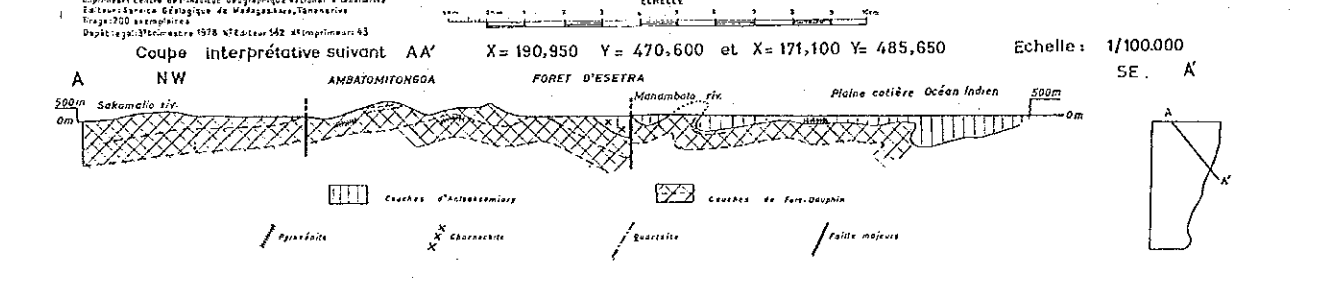
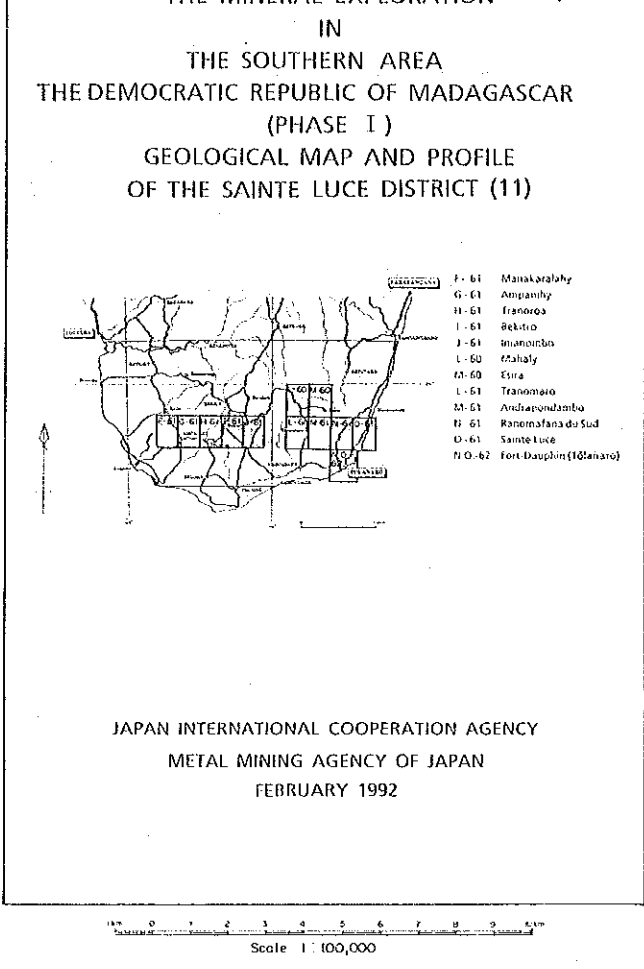
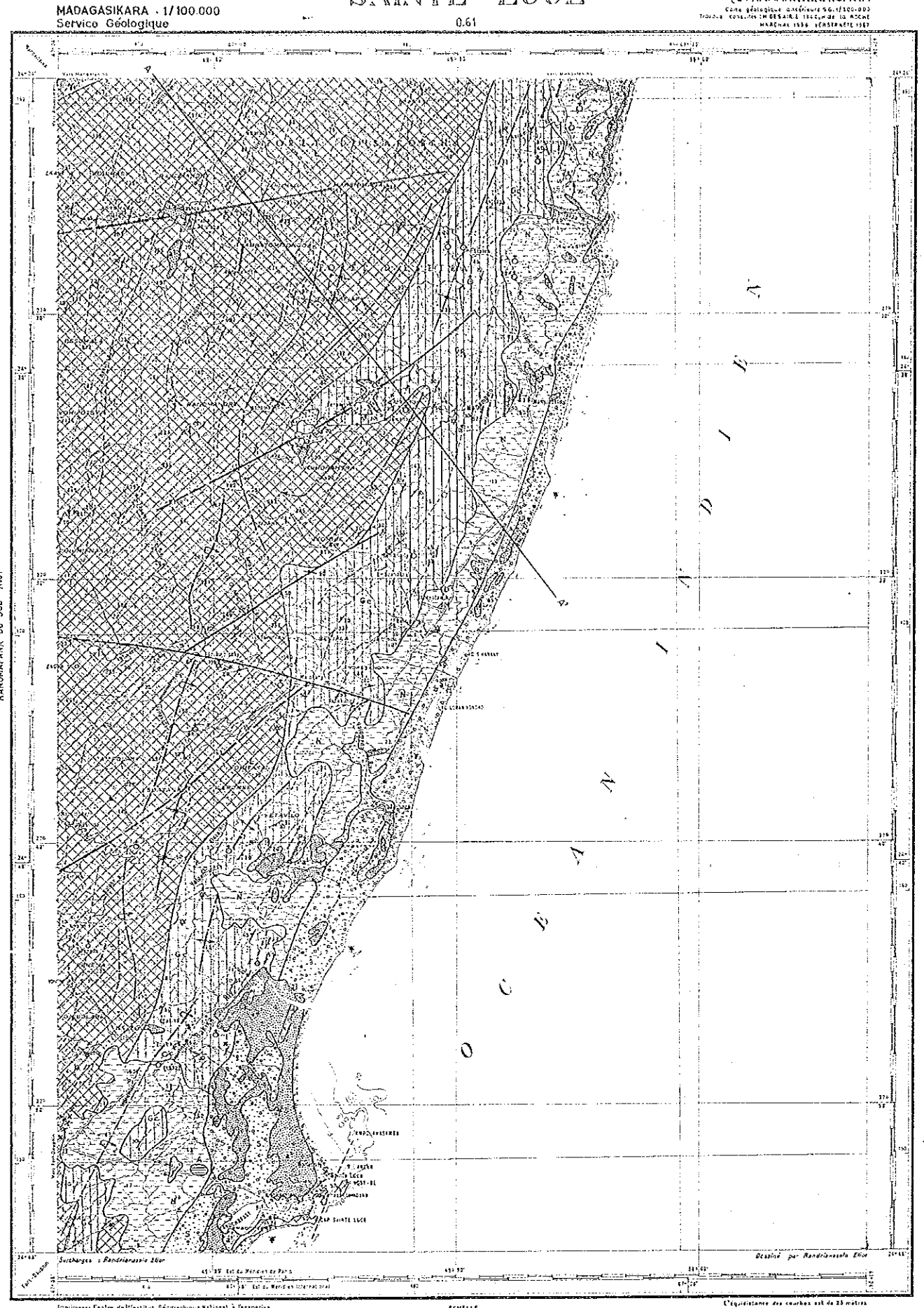


JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1992

Scale 1:100,000

LEGEND

Miocene	Aluvium	Basalt: Diabase dike	Rhyolite dike	Micrangeite	Microsyenite
Recent to Quaternary	Granite dike	Granite	Granite	Gabbro	
Older Quaternary	Labradorite	Serpentine	Granite gneiss	Orthogneiss	
	Augen gneiss	Granite gneiss	Granite complex	Porphyrite granite	
	Concordant granite	Granite complex	Stratiform granite, migmatitic granite	Alkali granite	
	Anosyennes Granite	Charnockite	Quartzite	Dunite	
	Pyroxenite				
PreCambrian Crystalline Schist					
Common facies in different formations	Graphite	Quartzite	Marble	Amphibolite	
Vohibory System (Vohibory Group)	Gneiss	Leptinite			
Graphite System (Anpanahy Group)	Gneiss	Leptinite			
Androyen System					
Ampanihendava Group	Gneiss	Maifely Bed, Gneiss, marble			
	Lentilite Bed, Leptinite	AmB Bed, Gneiss, quartzite			
Tranomaro Group	Tulamaha Bed, Leptinite	Tranomaro Bed, Gneiss, marble, pyroxenite			
	Antakomary Bed, Leptinite, quartzite, gneiss, pyroxenite				
Fort Dauphin Group	Leptinite, granulo, gneiss	Leptinite	Granitic rock		
Structural					
Dip < 45°	Dip > 45°	Vertical	Horizontal	Anticline	Syncline
Overturned anticline	Overturned syncline	Schistosity	Plunging axis	Visible fault	Presumed fault
Mylonite	Pegmatite	Quartz vein			
Mine	Tunnel	Open pit			
Phlogopite	Muscovite	Quartz	Rose quartz	Graphite	Graphite vein
Cu	Mn	Beryl	Tourmaline	Euxenite	Amethyst
Cynostite	Kaolin	Jasper	Apatite	Fluorite	Thorianite
Corundum	Almandine	Sapphire	Sheelite	Tantalite	Magnetite
Bauite	Castnerite	Pyrite	Pyrite, molybdenite	Ilmenite	
Zircon	Monazite	Ilmenite	Zircon-Monazite sand		

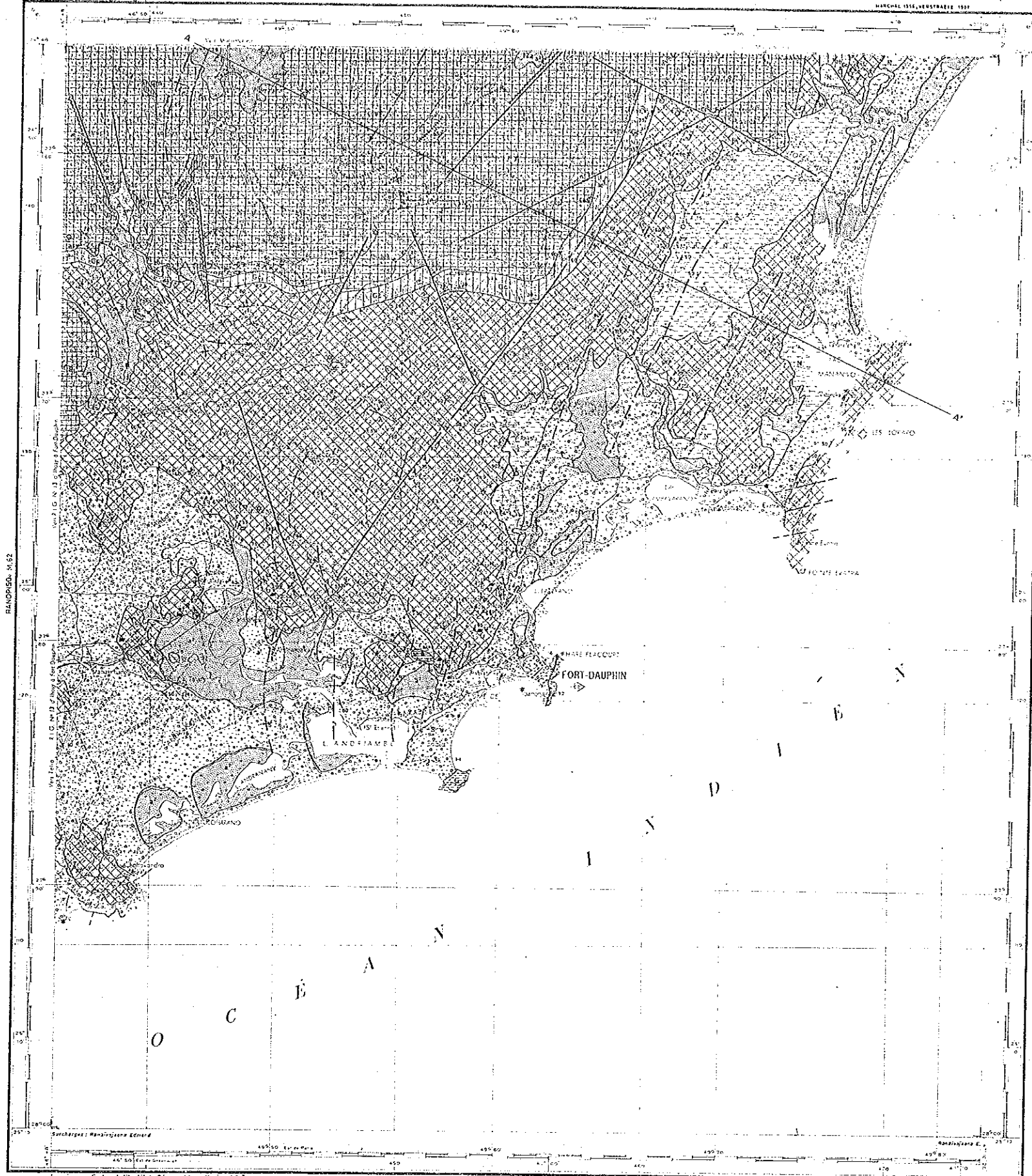


MADAGASIKARA 1/100.000
Service géologique

FORT-DAUPHIN

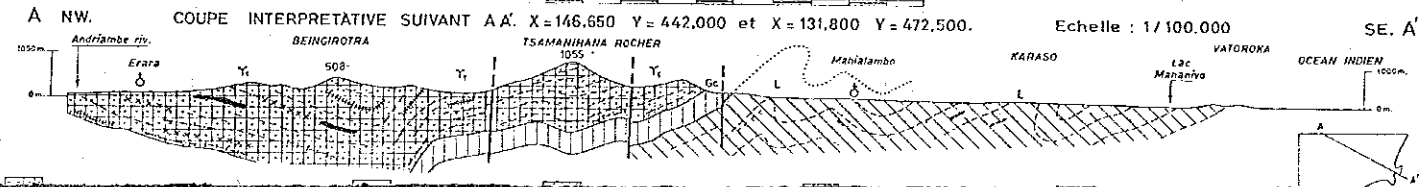
NO-62

VERSTRAETE 1967
G. BAZOT
LEVERS 1972
RAZAFIMANANTSOA
RAMANITRIRAISANA
RAKOTOARIVONY
Carte géologique au 1/100 000
Travaux effectués de 1964 à la fin de 1972
Mars 1973, VERSTRAETE 1967



Imprimeur: Centre de l'Institut Géographique National à Tananarive
Séjour: Service Géologique de Madagascar, Tananarive
Trage: 200 exemplaires
Dépôt légal: 31 Octobre 1978 N° Editeur: 117 N° Imprimeur: 42

ECHELLE
L'écoulement des courbes est de 25 mètres



PL. 3-1-12

THE MINERAL EXPLORATION IN THE SOUTHERN AREA THE DEMOCRATIC REPUBLIC OF MADAGASCAR (PHASE I) GEOLOGICAL MAP AND PROFILE OF THE FORT-DAUPHIN (TOLANARO) DISTRICT (12)

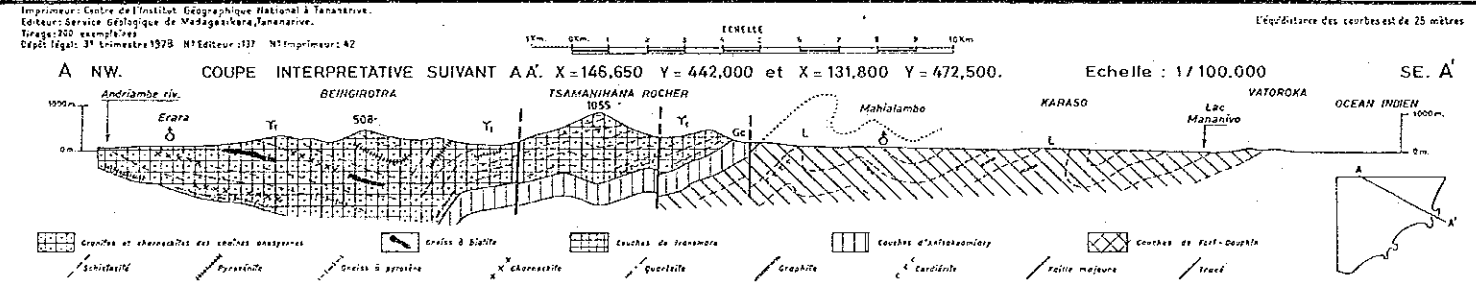
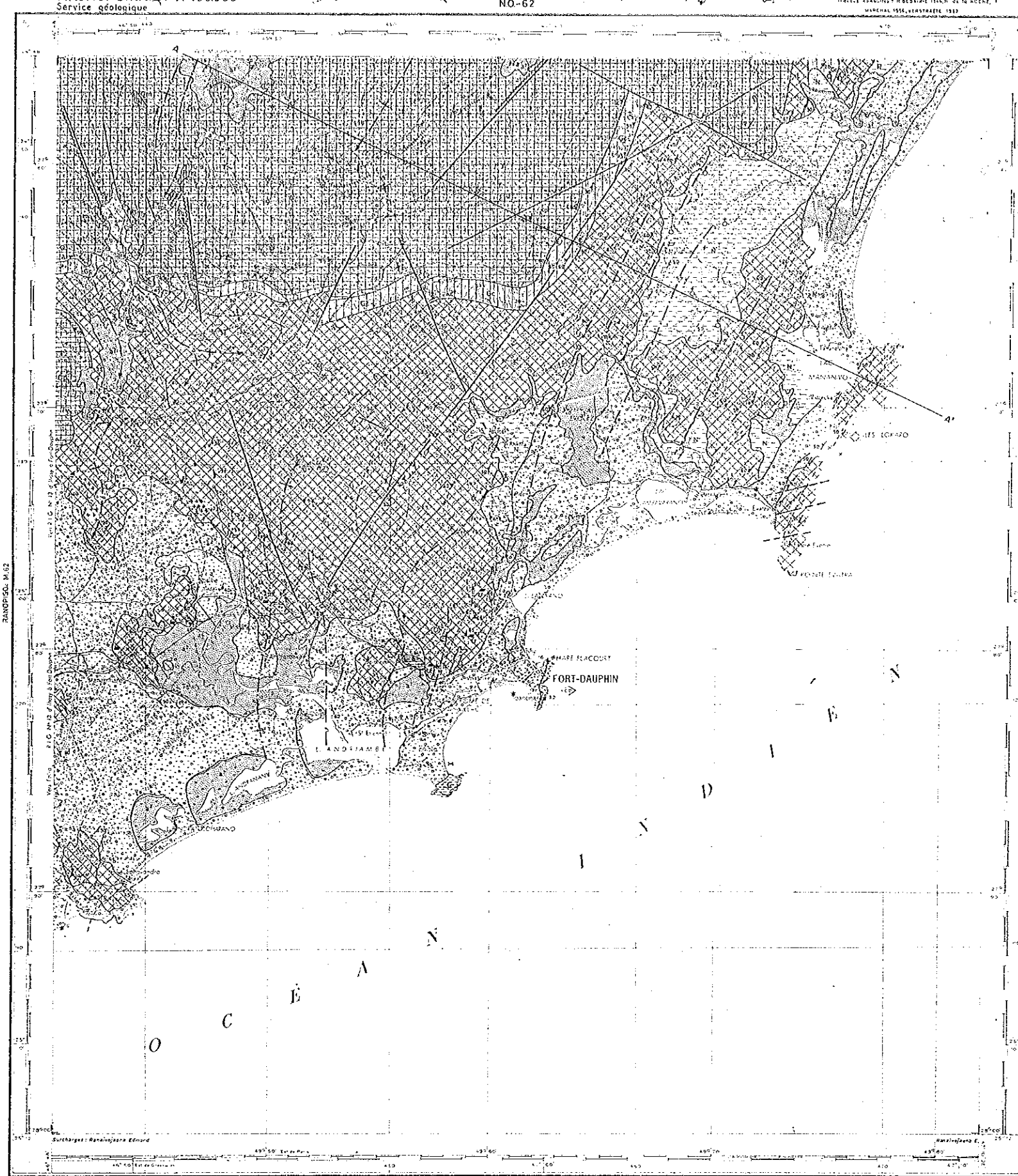
F-61 Manakelohy
G-61 Ampahily
H-61 Tananos
I-61 Bekuro
J-61 Imanombo
L-60 Mahaly
M-60 Etra
N-61 Tranomaro
O-61 Andranondambo
P-61 Ranomafana du Sud
Q-61 Sainte-Eve
R-62 Fort-Dauphin (Tolanaro)

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1992

Scale 1:100,000

LEGEND

Holocene	Alluvium				
Neogene	Andranonbo Series, Mudstone, sandstone				
Recent igneous rocks	Basalt-Diabase dike	Rhyolite dike	Microgranite	Microsyenite	
Old igneous rocks	Granite dike	Granite	Gabbro		
	Labradorite	Serpentine	Ostrogness		
	Augen gneiss	Granitic gneiss	Porphyritic granite		
	Concordant granite	Granite complex	Alkali granite		
	Anayennes Granite	Stratiform granite, syenitic granite			
	Pyroxenite	Charnokite	Dunite		
Precambrian Crystalline Schist					
Common facies in different formations	Graphite	Quartzite	Marble	Amphibolite	
Wobbery System (Wobbery Group)	Gneiss	Leptinite			
Graphite System (Ampahily Group)	Gneiss	Leptinite			
Androyen System	Ampandrandava Group	Gneiss	Atafely Bed; Gneiss, marble		
		Leptinite	Amb'e Bed; Gneiss, quartzite		
	Tranomaro Group	Leptinite	Tranomaro Bed; Gneiss, marble, pyroxenite		
		Leptinite, quartzite, gneiss, pyroxenite			
Fort Dauphin Group	Leptinite, granulite, gneiss	Leptinite	Granitic rock		
Signs	Dip < 45°	Dip > 45°	Vertical	Horizontal	Anticline
Overturned anticline	Overturned syncline	Substosy	Plunging axis	Visible fault	Syncline
Mylonite	Pyrometite	Quartz vein			Presumed fault
Mine	Tunnel	Open pit			
Phlogopite	Muscovite	Quartz	Rock quartz	Graphite	Graphite vein
Cu	Mn	Beryl	Tourmaline	Euxenite	Amethyst
Chrysolite	Kaolin	Jasper	Apatite	Fluorite	Thorianite
Corundum	Allanite	Sapphire	Shellite	Tantalite	Magnetite
Bauxite	Cassiterite	Pyrite	Pyrite, molybdenite	Ilmenite	
Zircon	Monazite	Ilmenite, Zircon-Monazite sand			
Limestone	Quany	Hot spring			



IN THE SOUTHERN AREA
 OF THE DEMOCRATIC REPUBLIC OF MADAGASCAR
 (PHASE I)
 GEOLOGICAL MAP AND PROFILE
 OF THE FORT-DAUPHIN (TÔLANARO) DISTRICT (12)

1-61 Manakalafy
 G-61 Ampanghy
 H-61 Tranoroa
 I-61 Be'iro
 J-61 Imanontso
 K-60 Mahidy
 L-60 Evra
 M-61 Tranomaro
 N-61 An'afanondanika
 O-61 Ranomafana du Sud
 P-61 Sainte Luce
 NO-62 Fort Dauphin (Tôlanaro)

JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN
 FEBRUARY 1992

Scale 1:100,000

LEGEND

Recent Igneous Rocks	Basalt-Diabase dike	Rhyolite dike	Microgranite	Microsyenite
Old Igneous Rocks	Granite dike	Granite	Gabbro	Orthogneiss
	Labradorite	Serpentine	Pyroxenite granite	Alkali granite
	Augen gneiss	Granitic gneiss	Granitic complex	Staurolite granite, magnetite granite
	Concordant granite	Granitic complex	Staurolite granite, magnetite granite	Charnokite
	Amogonyes Granite	Staurolite granite, magnetite granite	Charnokite	Dunite
	Pyroxenite	Charnokite	Dunite	
Pre-Cambrian Crystalline Schist	Graphite	Quartzite	Marble	Amphibolite
Common facies in different formations	Gneiss	Leptinite		
Volcanic System (Vohibory Group)	Gneiss	Leptinite		
Graphite System (Ampanghy Group)	Gneiss	Leptinite		
Andriambo System	Ampanrandava Group	Gneiss	Marble bed, Gneiss, marble	
		Lanitra Bed, Leptinite	Ambe Bed, Gneiss, quartzite	
	Tranomaro Group	Tsilaha Bed, Leptinite	Tranomaro Bed, Gneiss, marble, pyroxenite	
		Antoakomary Bed, Leptinite, quartzite, gneiss, pyroxenite		
Fort-Dauphin Group	Leptinite, granulite, gneiss	Leptinite	Granitic rock	

Dip < 45°
 Overturned anticline
 Mylonite
 Mine
 Tunnel
 Open pit
 Vertical
 Schistosity
 Pegmatite
 Horizontal
 Plunging axis
 Quartz vein
 Anticline
 Visible fault
 Presumed fault
 Syndine
 Presumed fault

1 Phlogopite	2 Muscovite	3 Quartz	4 Rose quartz	5 Graphite	6 xxx Graphite vein
7 Cu	8 Zn	9 Beryl	10 Tourmaline	11 Evénite	12 Amethyst
13 Chrysolite	14 Kaolin	15 Jasper	16 Apatite	17 Fluorite	18 Thorianite
19 Corundum	20 Allantite	21 Sapphire	22 Sheelite	23 Tantalite	24 Magnetite
25 Basalte	26 Cassiterite	27 Pyrite	28 Pyrite, molybdenite	29 Ilmenite	
30 Zircon	31 Monazite	32 Ilmenite-Zircon-Monazite sand			
33 Limestone	34 Quarry	35 Hot spring			