

Union of Burma report on geological survey of the Monywa area.

UNION OF BURMA
REPORT ON GEOLOGICAL SURVEY
OF THE MONYWA AREA

PHASE I
(VOL. I)

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

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95°00'E

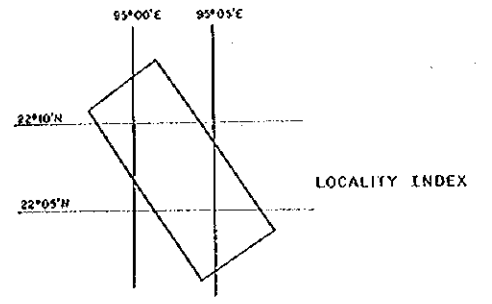
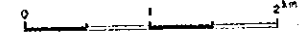


PL. I-1-1

GEOLOGICAL SURVEY OF
MONywa AREA, UNION OF BURMA
(PHASE 1)

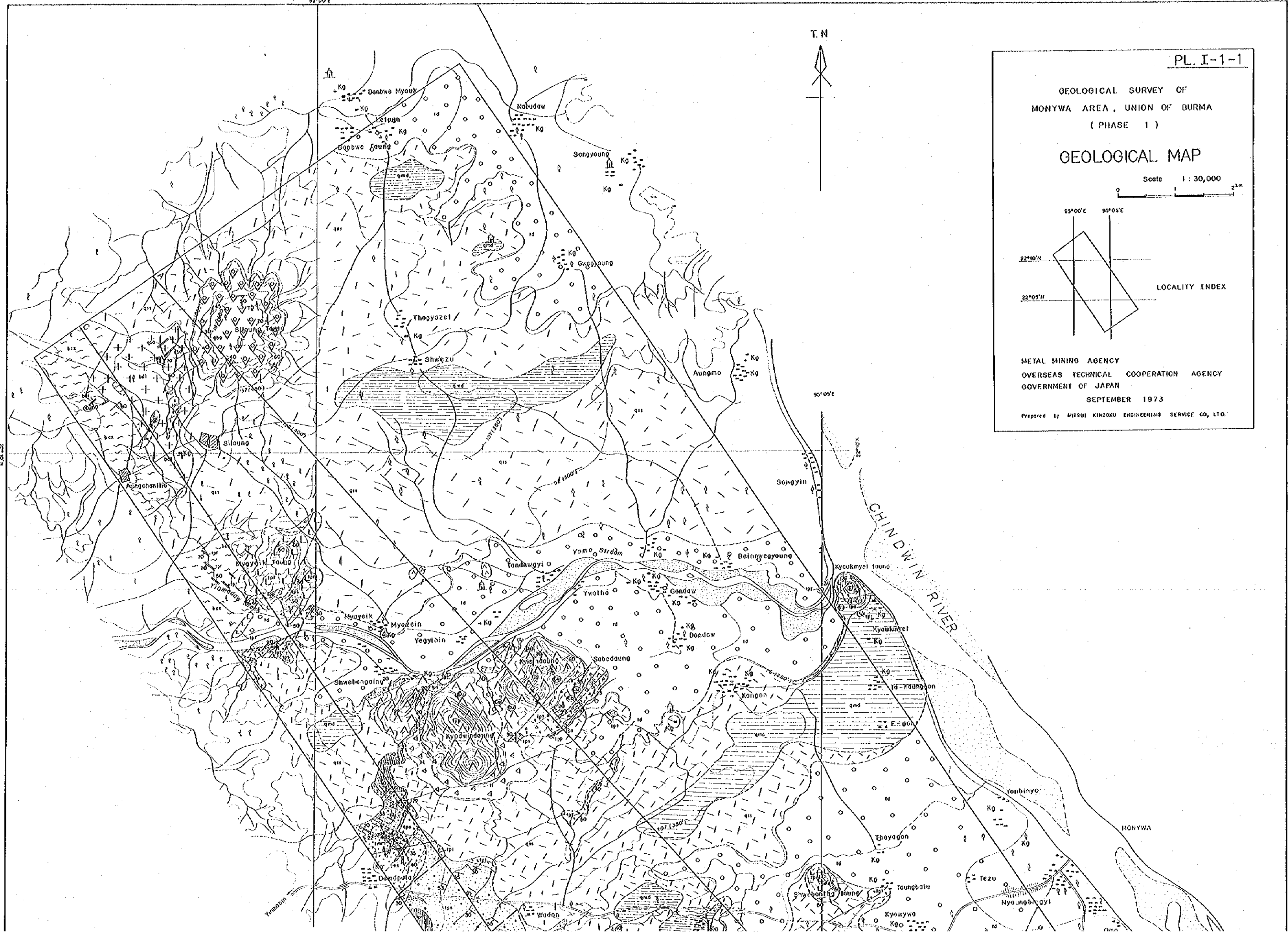
GEOLOGICAL MAP

Scale 1 : 30,000

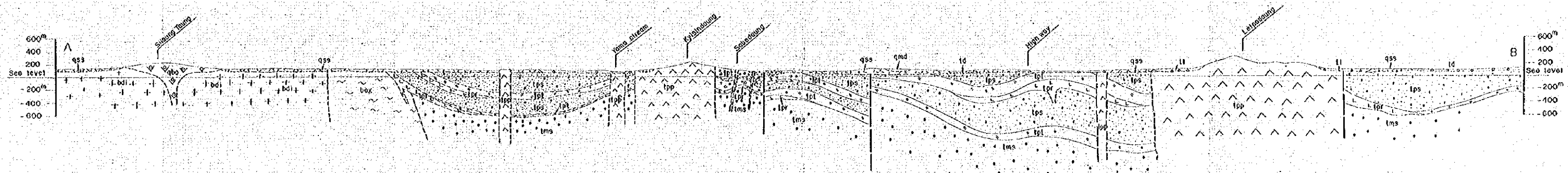


METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973

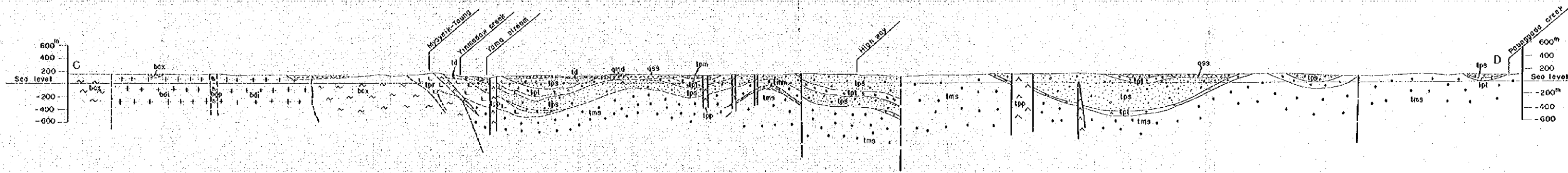
Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.



A — B



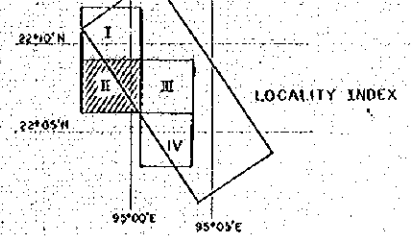
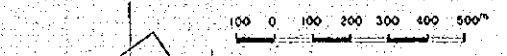
C — D



GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

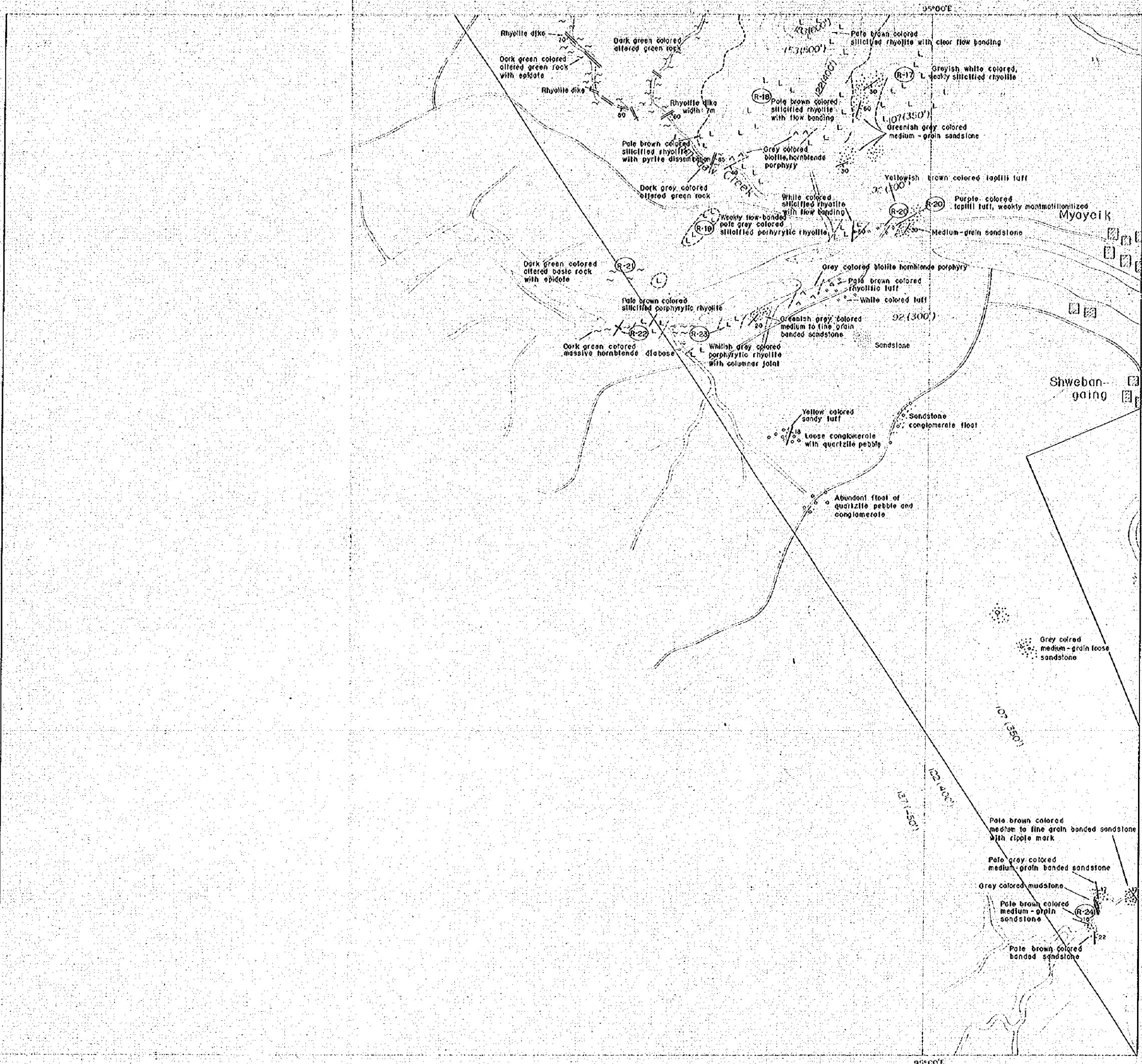
ROUTE MAP II SHOWING
 GEOLOGICAL SKETCH & SAMPLE LOCALITIES

Scale 1:10,000



METAL MINING AGENCY
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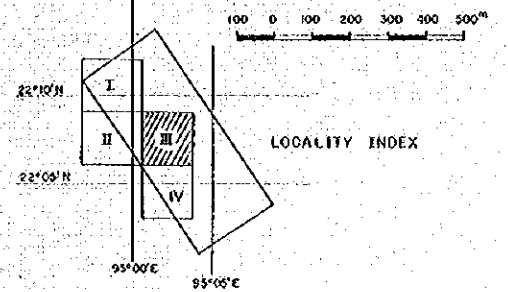
LEGEND

- Mudstone
- Sandstone
- Conglomerate
- Tuff, tuff breccia
- Rhyolite
- Basalt
- Hornblende biotite porphyry
- Granophyre
- Diorite
- Green rock, basic rock
- Bedding
- Joint, fissure
- Fossil (plant)
- Sample No.
- Anticline
- Syncline
- Copper showing
- Detail-surveyed zone (Kylisindoung zone)

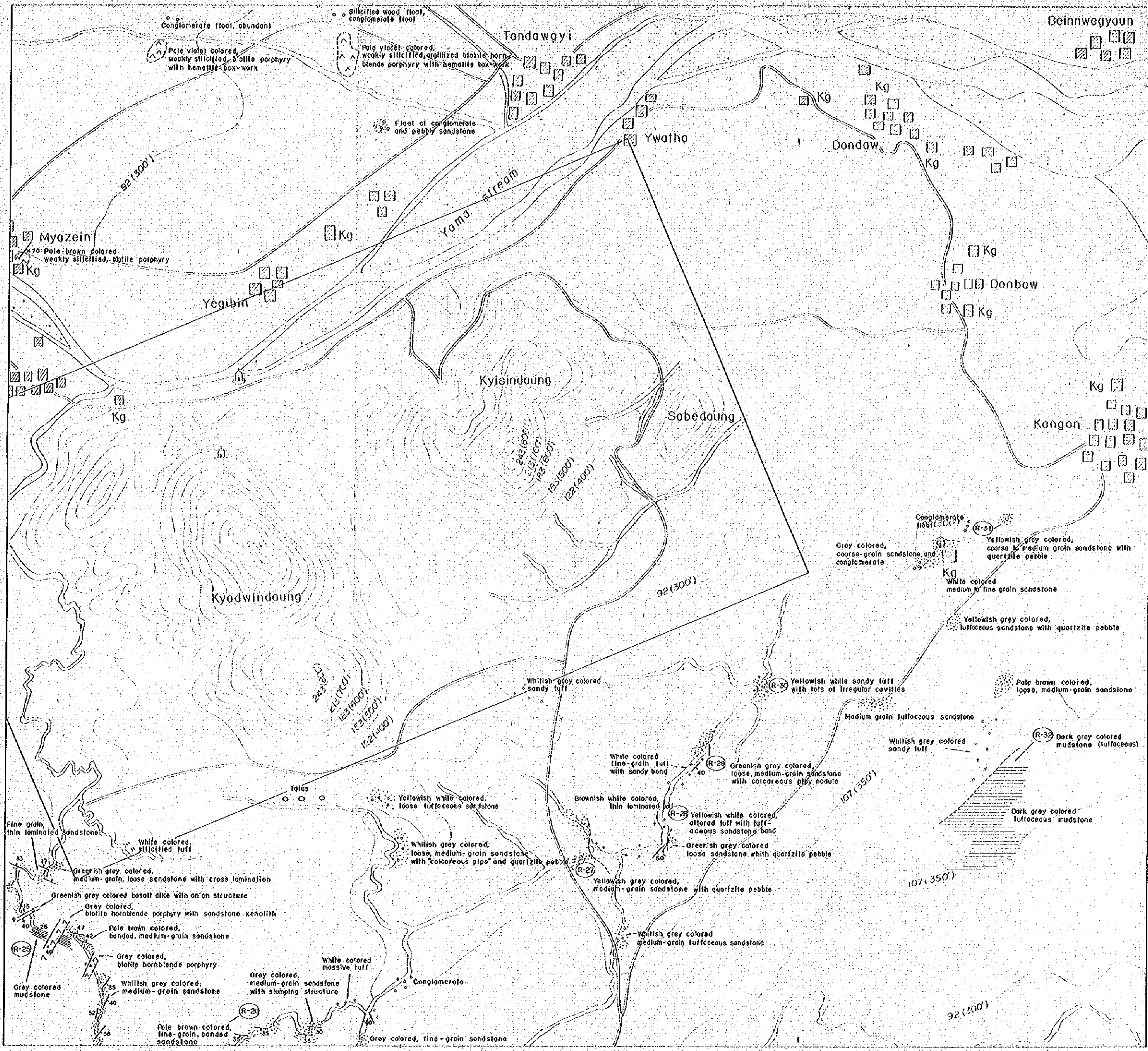
GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

ROUTE MAP II SHOWING
 GEOLOGICAL SKETCH & SAMPLE LOCALITIES

Scale 1:10,000



METAL MINING AGENCY
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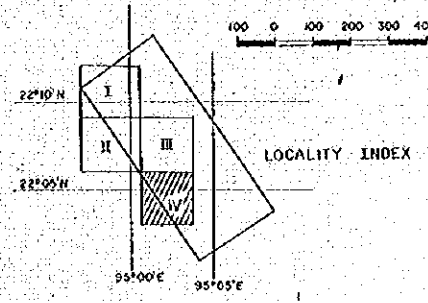
LEGEND

- Mudstone
- Sandstone
- Conglomerate
- Tuff, tuff breccia
- Rhyolite
- Basalt
- Hornblende biotite porphyry
- Granophyre
- Diorite
- Green rock, basic rock
- Bedding
- Joint, fissure
- Fossil (plant)
- Sample No.
- Anticline
- Syncline
- Copper showing
- Detail-surveyed zone (Kyisindaug zone)

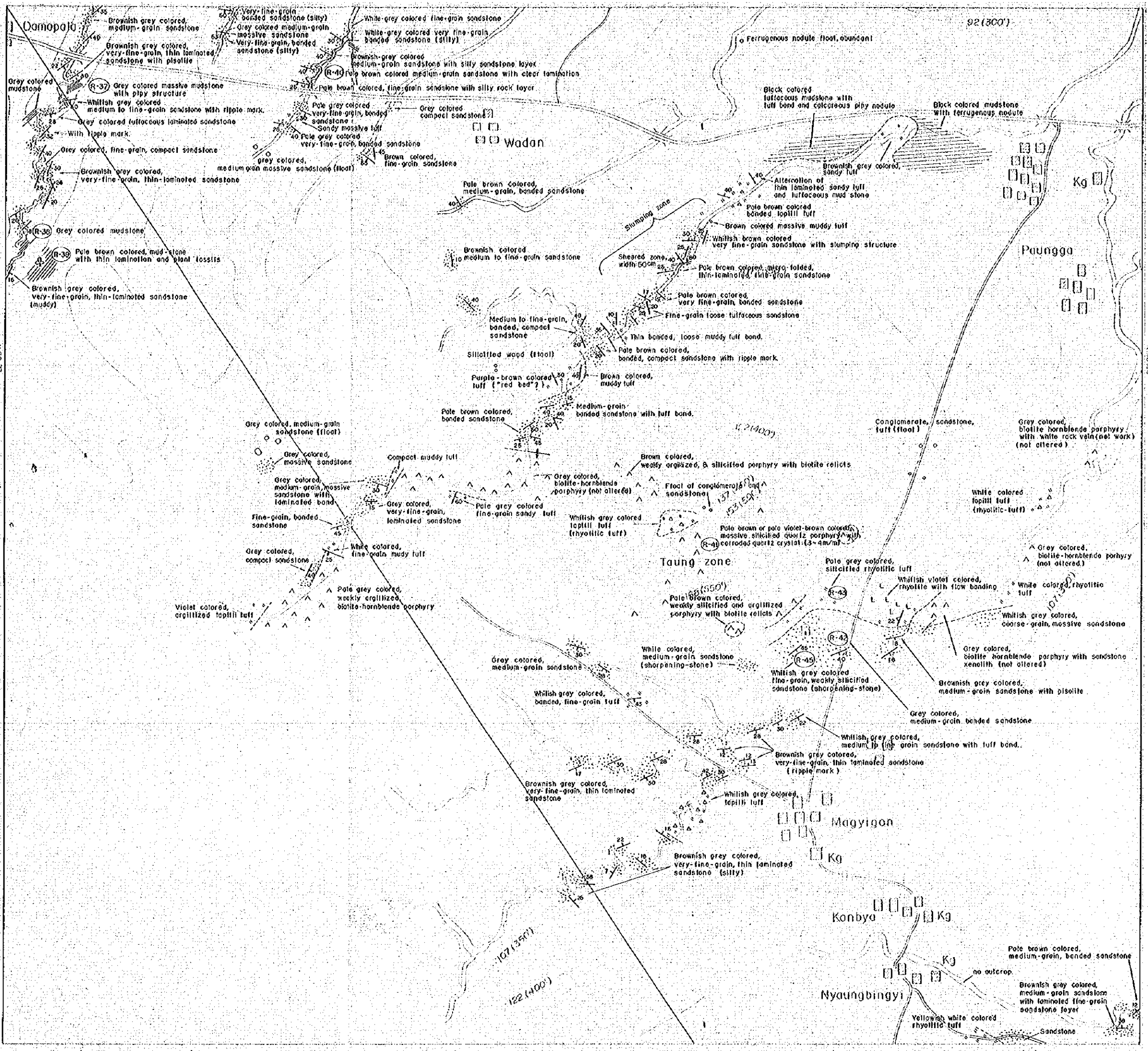
GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

ROUTE MAP IV SHOWING
GEOLOGICAL SKETCH & SAMPLE LOCALITIES

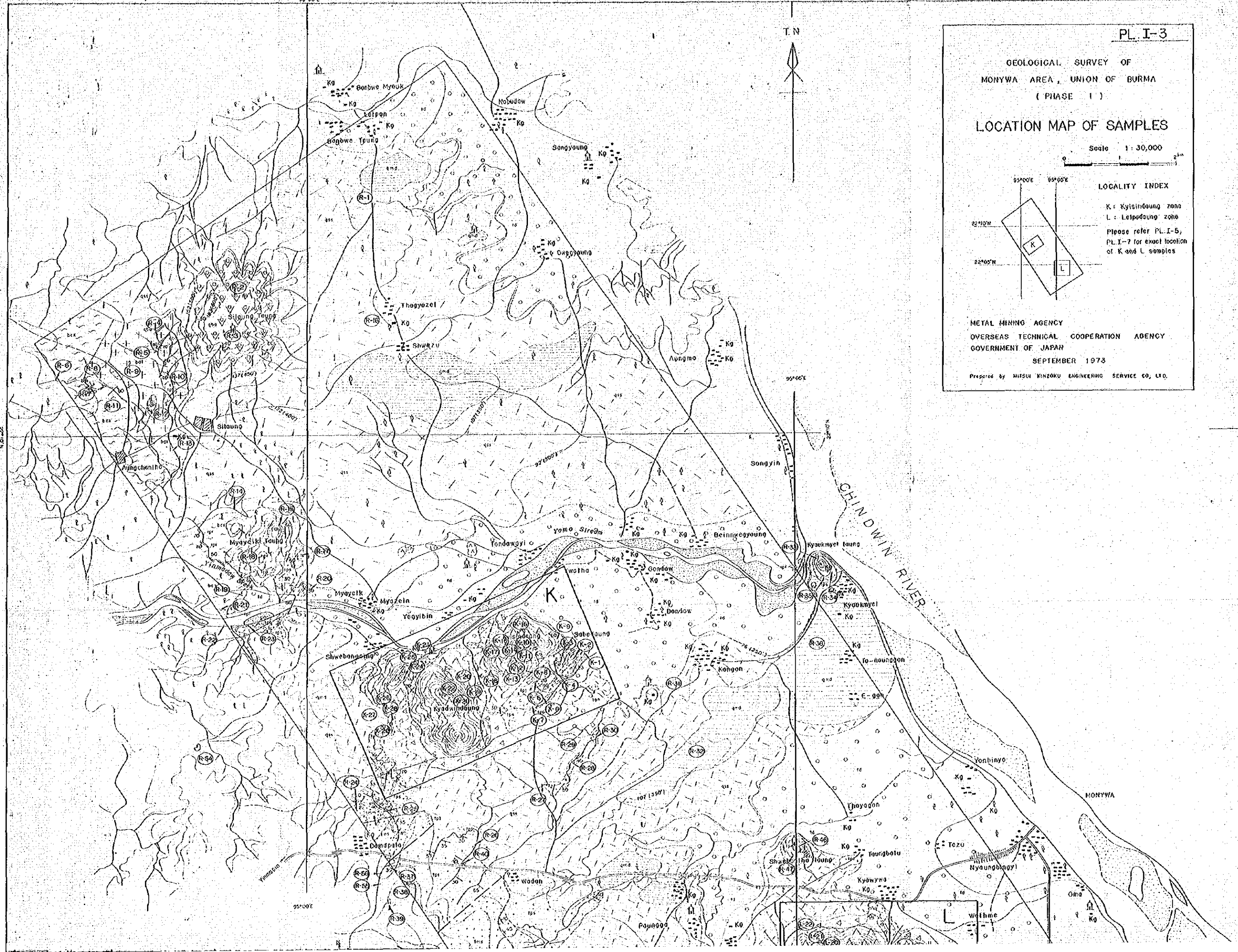
Scale 1 : 10,000
100 0 100 200 300 400 500m



METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
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- LEGEND**
- Mudstone
 - Sandstone
 - Conglomerate
 - Tuff, tuff breccia
 - Rhyolite
 - Basalt
 - Hornblende biotite porphyry
 - Granophyre
 - Diorite
 - Green rock, basic rock
 - Bedding
 - Joint, fissure
 - Fossil (plant)
 - Sample No.
 - Anticline
 - Syncline
 - Copper showing
 - Detail-surveyed zone (Kyaingdaung zone)

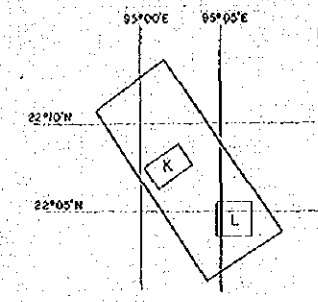


PL I-3

GEOLOGICAL SURVEY OF
 MONYWA AREA, UNION OF BURMA
 (PHASE I)

LOCATION MAP OF SAMPLES

Scale 1:30,000



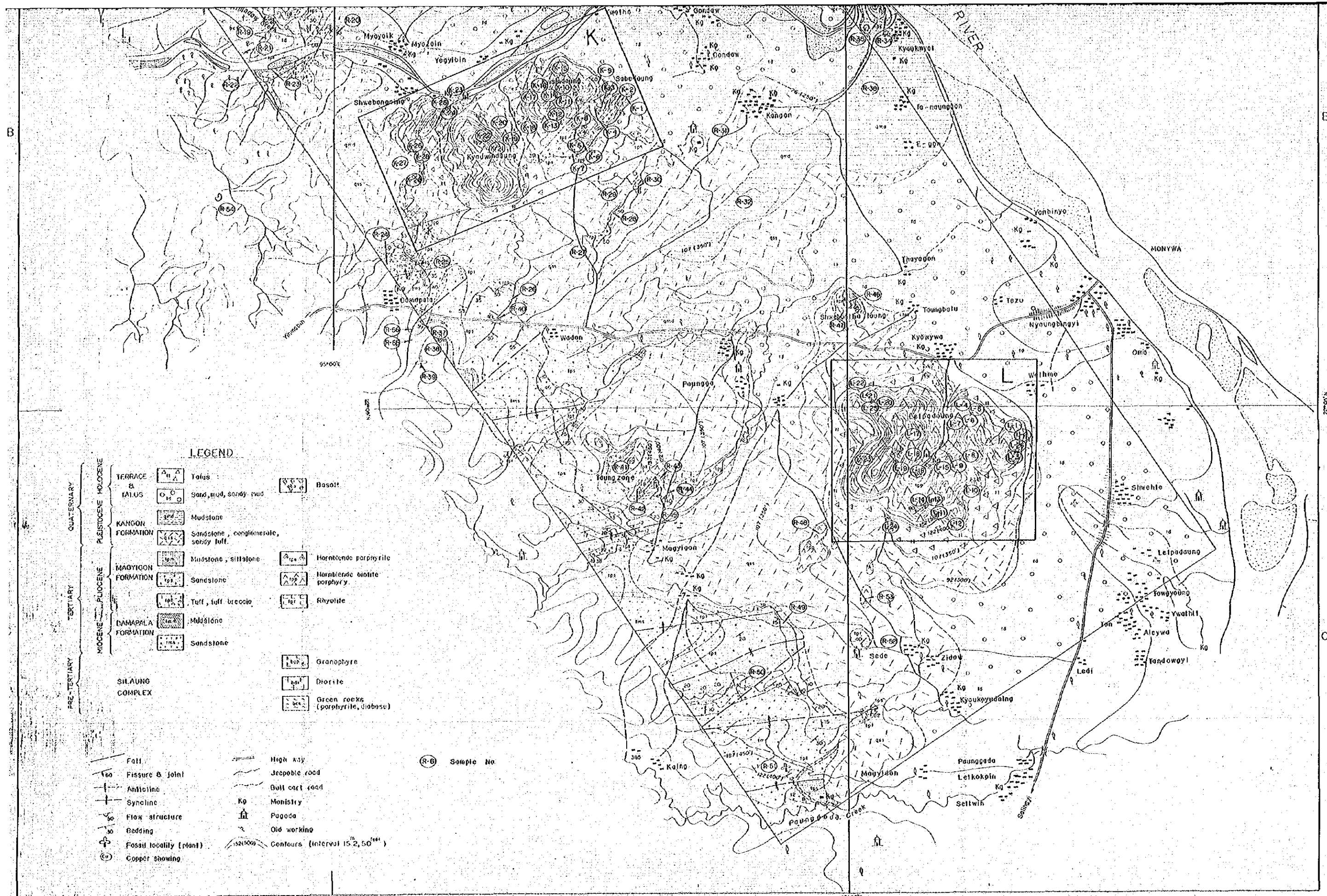
LOCALITY INDEX
 K: Kyaukseung zone
 L: Leipadaung zone
 Please refer PL.I-5,
 PL.I-7 for exact location
 of K and L samples

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A

B

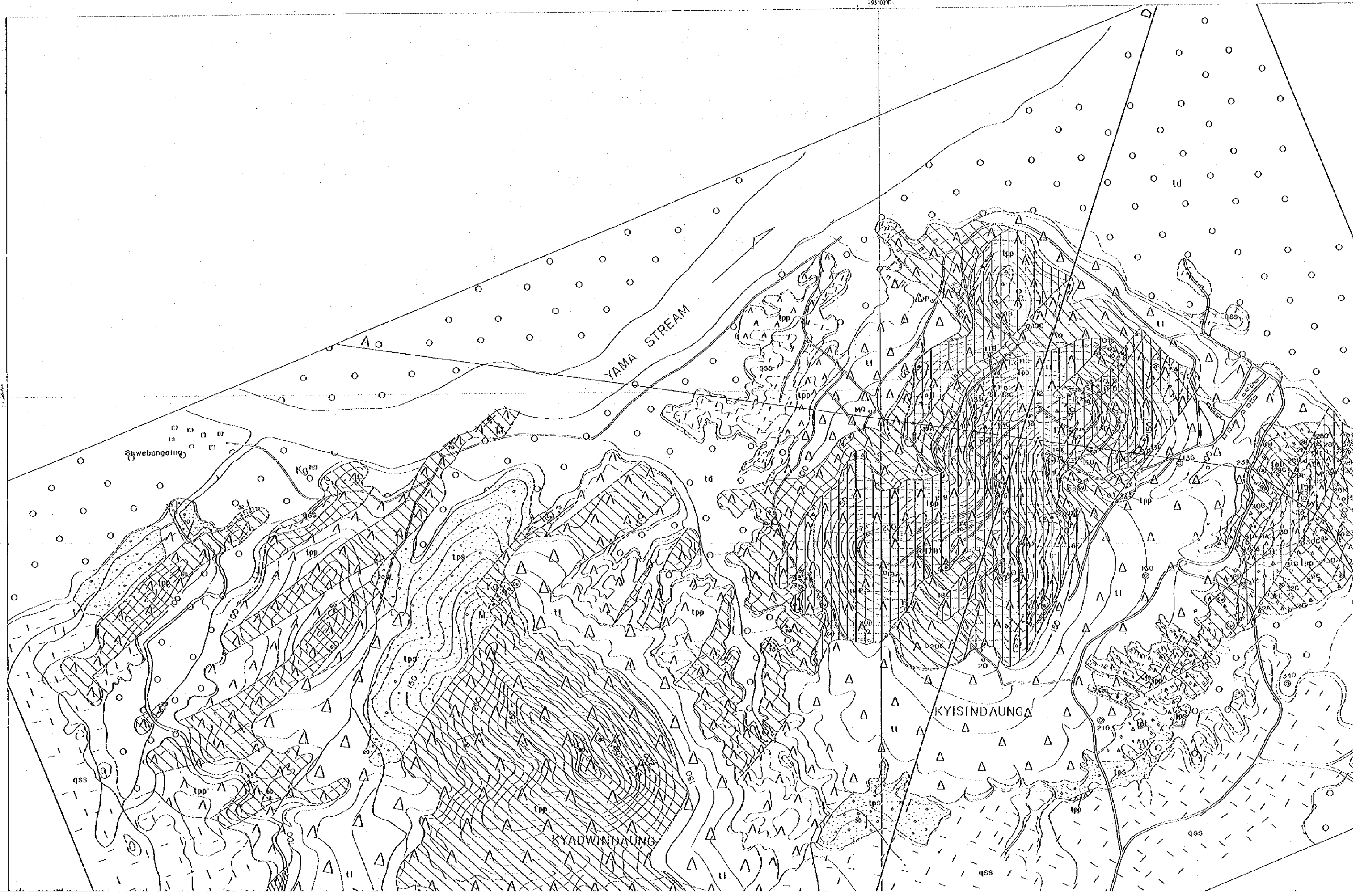
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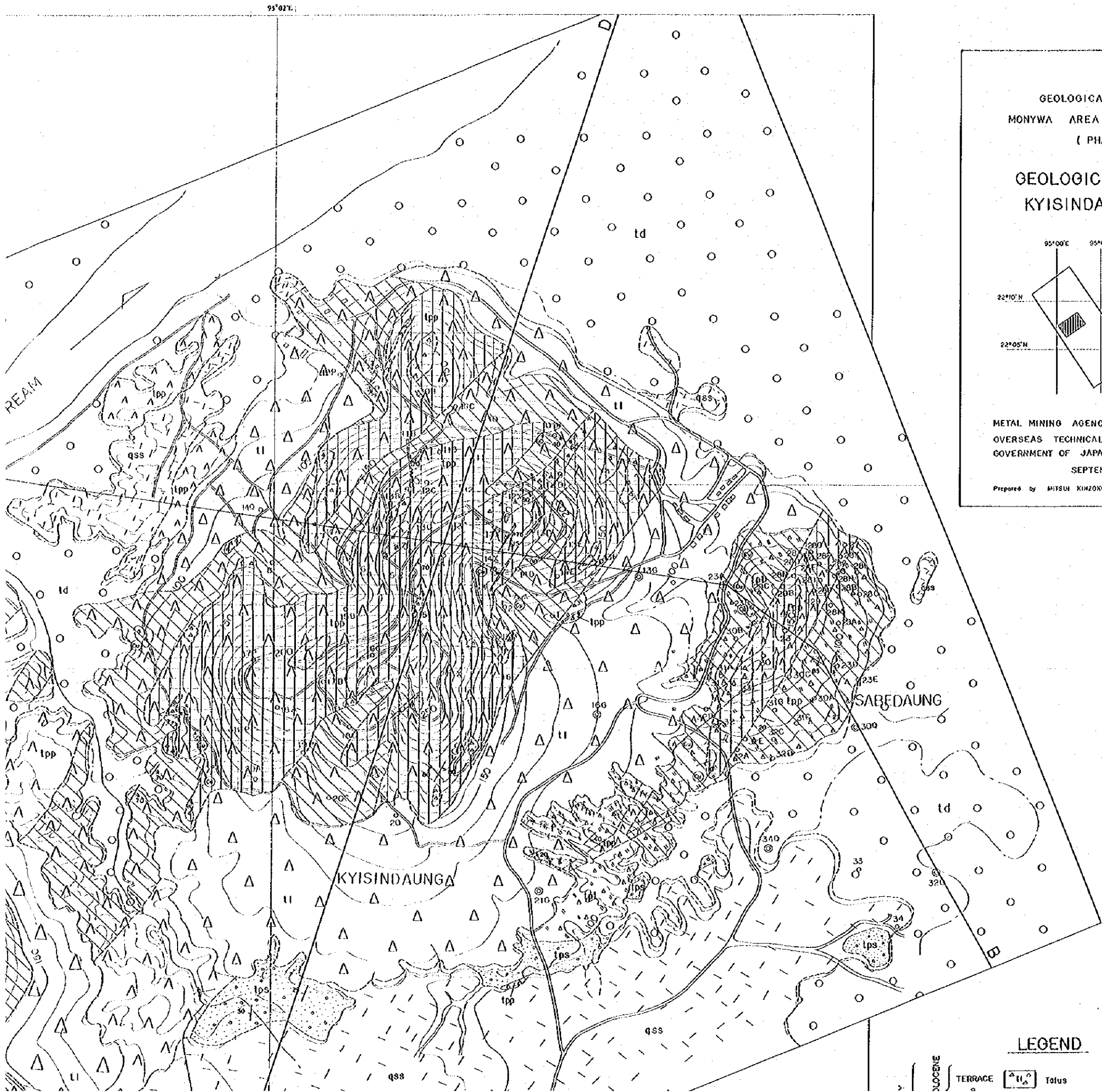


LEGEND

QUATERNARY	TERRACE & TALUS	Yalus	Basalt
	KANGON FORMATION	Mudstone	
MIOCENE-PLIOCENE	MAOYIGON FORMATION	Sandstone, conglomerate, sandy tuff.	Hornblende porphyry
	DAMAPALA FORMATION	Mudstone, siltstone	Hornblende andite porphyry
	SILAUNG COMPLEX	Sandstone	Rhyolite
PRE-TERTIARY		Tuff, tuff breccia	Granophyre
		Mudstone	Diorite
		Sandstone	Green rocks (porphyrite, diabase)

Fall	High way	(R-6) Sample No.
Fissure & joint	Jeepable road	
Anticline	Bull cart road	
Syncline	Monistry	
Flow structure	Pagoda	
Bedding	Oil working	
Fossil locality (plant)	Contours (interval 15, 2, 50 feet)	
Copper showing		



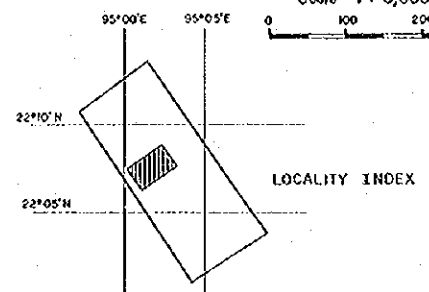


PL. I-4-1

GEOLOGICAL SURVEY OF
 MONYWA AREA, UNION OF BURMA
 (PHASE 1)

GEOLOGICAL MAP OF
 KYISINDAUNG ZONE

Scale 1 : 5,000
 0 100 200 300m



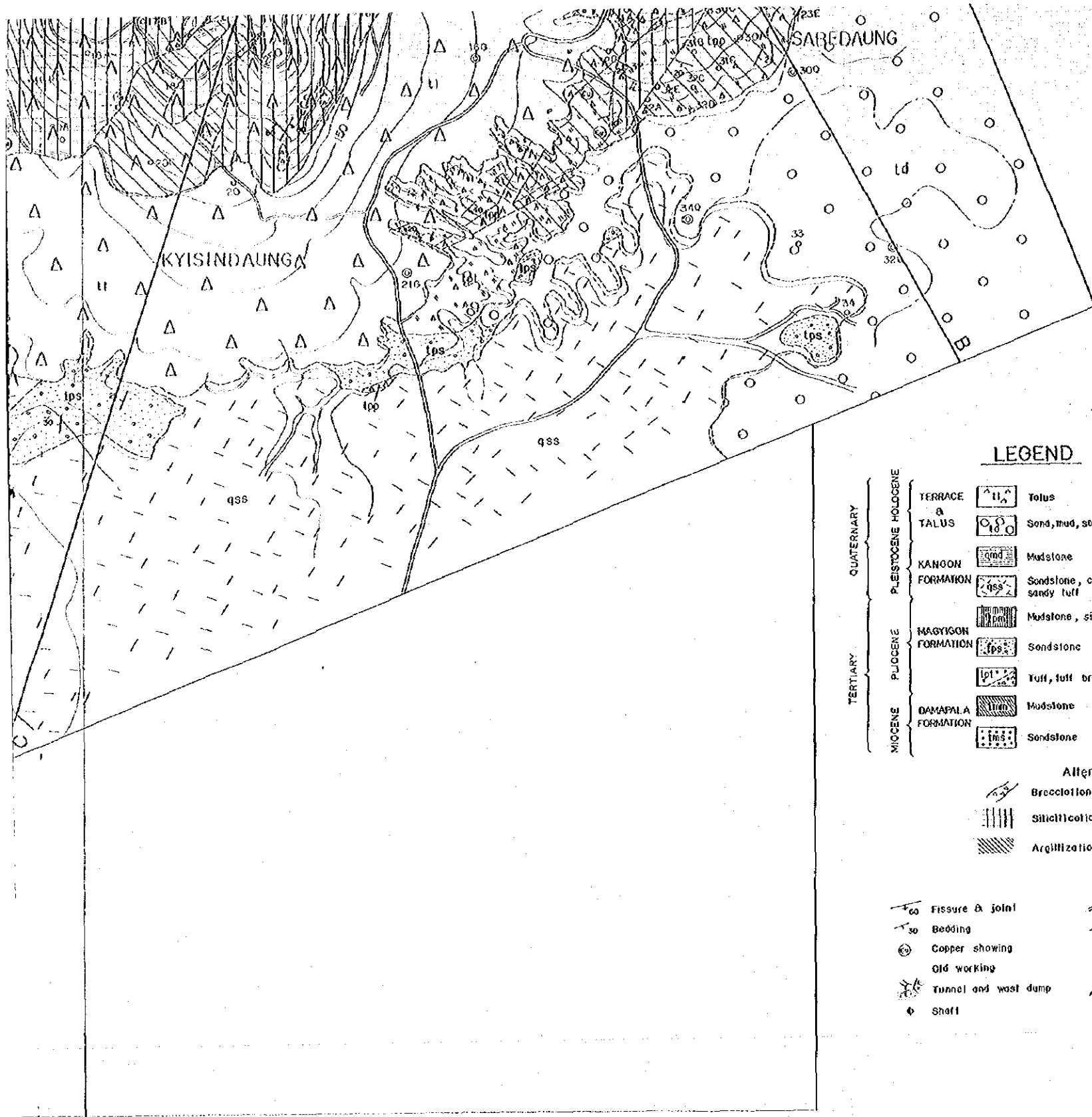
LOCALITY INDEX

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 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973.

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LEGEND

- LOCENE
- TERRACE
- Talus
- Quartz

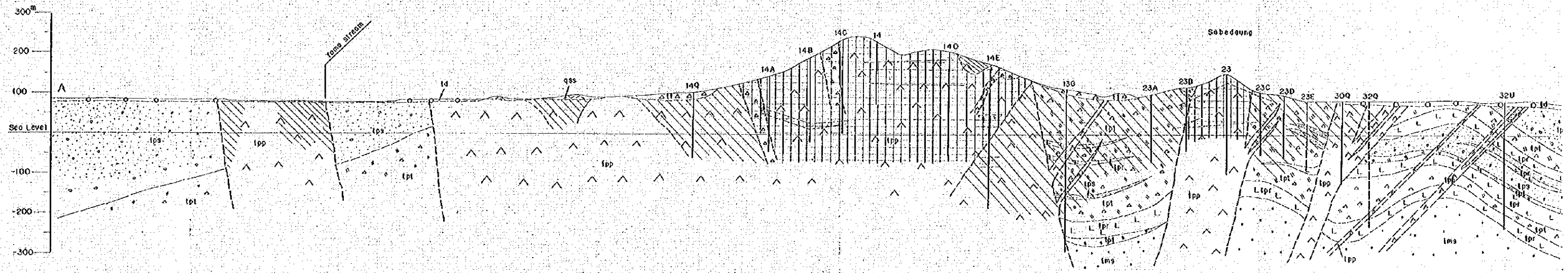


LEGEND

- | | | | | | |
|----------------------|--------------------|--|---------------------|--|-------------------------------------|
| QUATERNARY | TERRACE & TALUS | | Talus | | Basalt |
| | KANGON FORMATION | | Mudstone | | Sandstone, conglomerate, sandy tuff |
| PLEISTOCENE HOLOCENE | MAGYIGON FORMATION | | Mudstone, siltstone | | Hornblende porphyrite |
| | DAMAPALA FORMATION | | Sandstone | | Hornblende, biotite porphyry |
| | | | Tuff, tuff breccia | | Rhyolite |
| TERTIARY | | | Mudstone | | |
| | | | Sandstone | | |
-
- Alteration**
- Brecciation zone
 - Silicification and Anitization
 - Argillization (Koolinite, and Sericite)
-
- | | |
|----------------------|-------------------------|
| Fissure & joint | Jeepable road |
| Bedding | Built cart road |
| Copper showing | Monistry |
| Old working | Pegode |
| Tunnel and wast dump | Contours (Interval 10m) |
| Shaft | Drill hole |

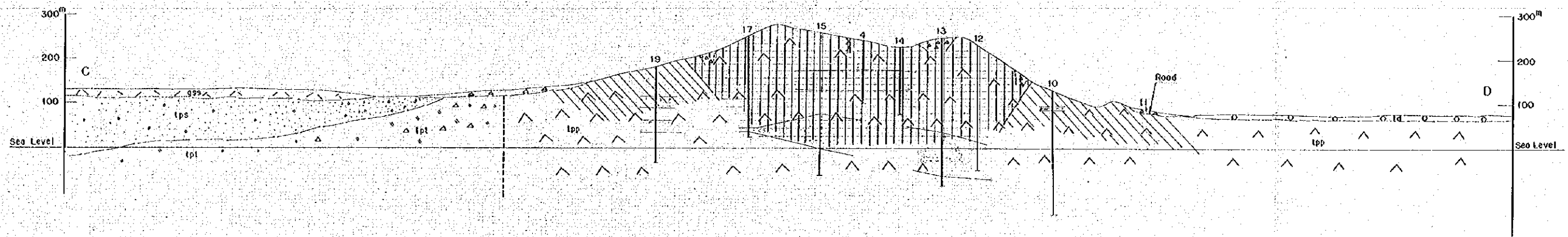
A - B

Kyisindung



C - D

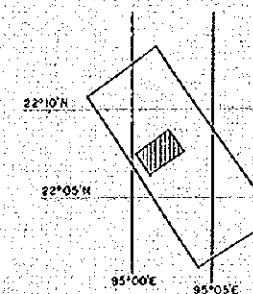
Kyisindung



GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE - 1)

GEOLOGICAL PROFILE OF
 KYISINDAUNG ZONE

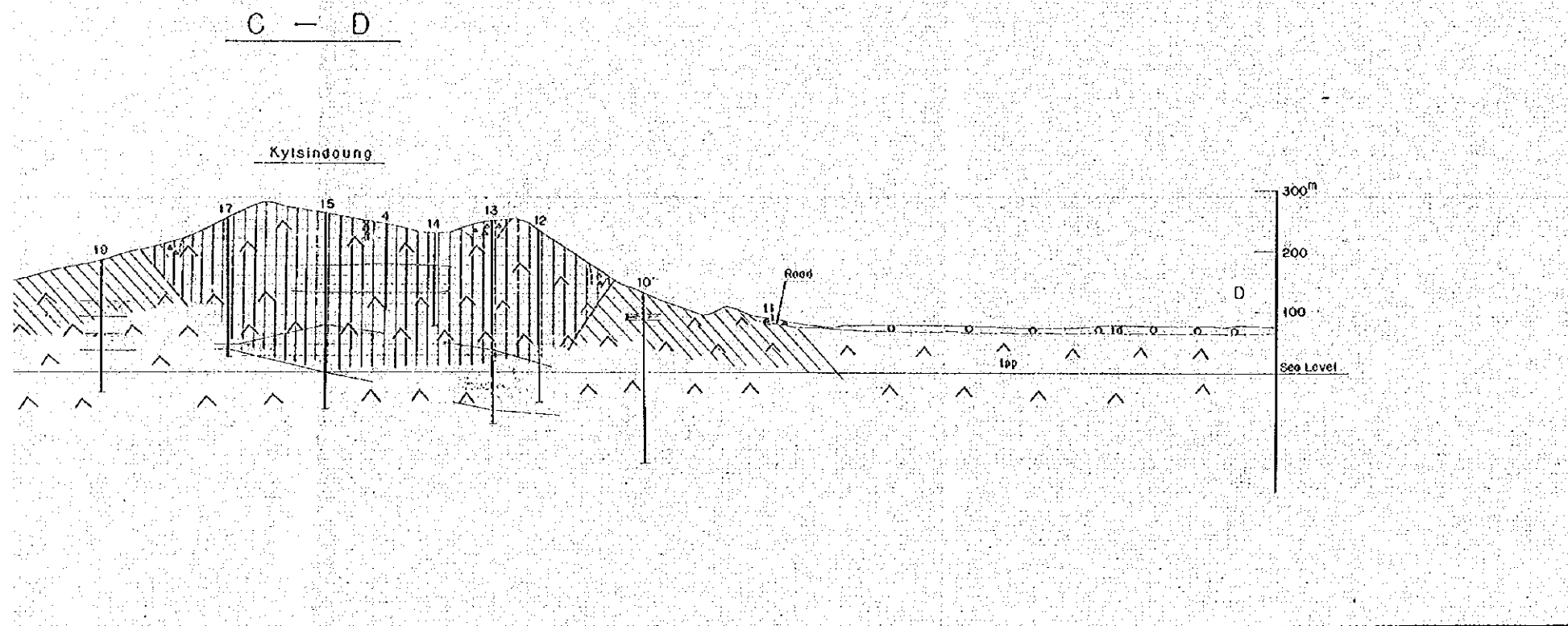
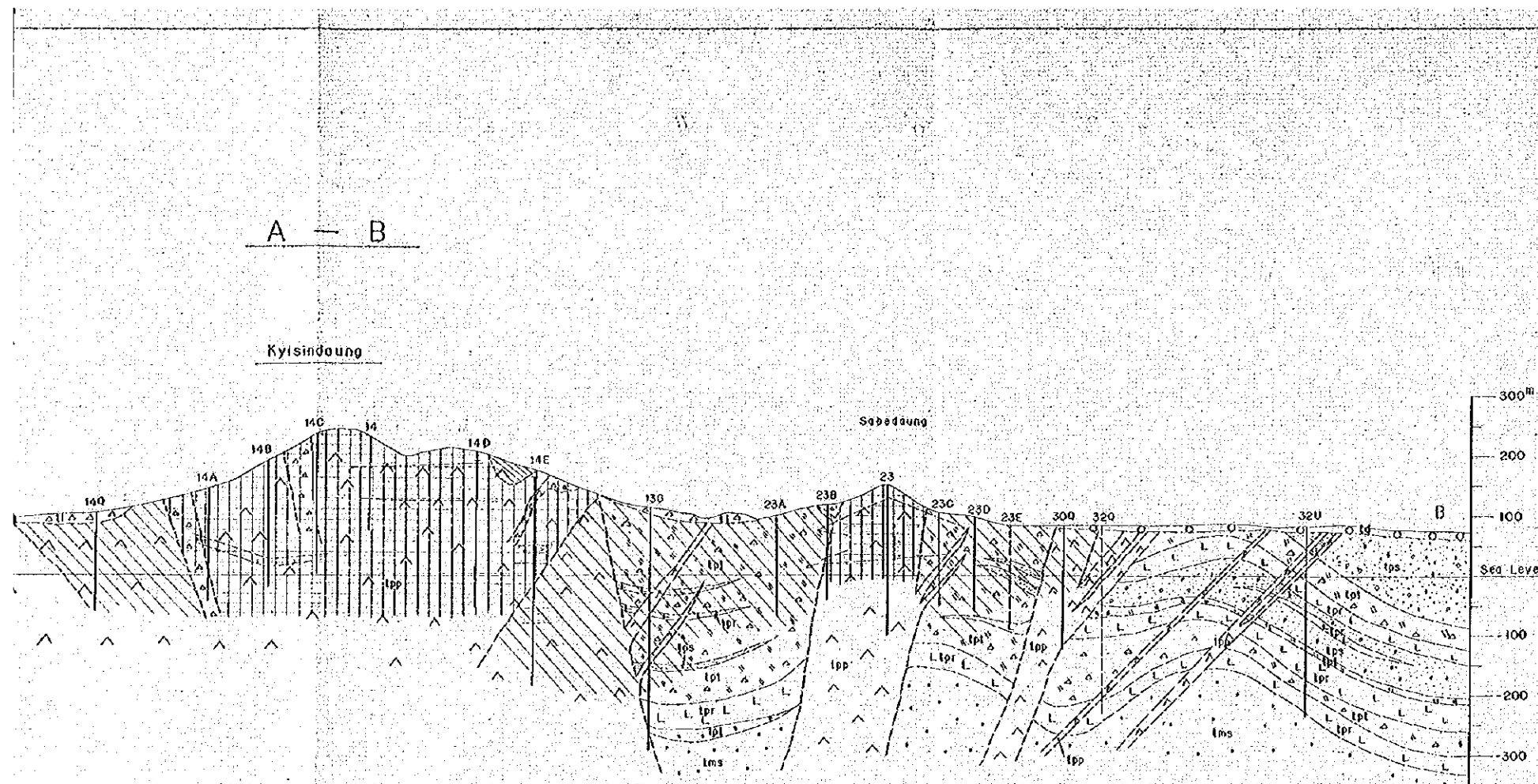
Scale 1:5,000
 0 100 200 300^m



LOCALITY INDEX

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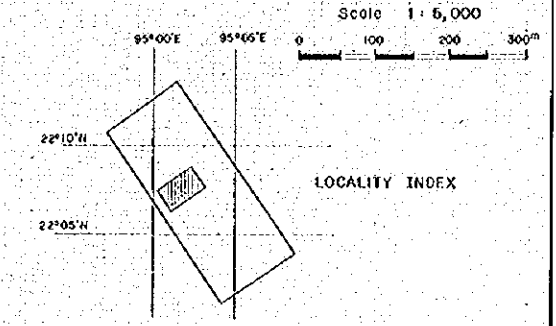


LEGEND

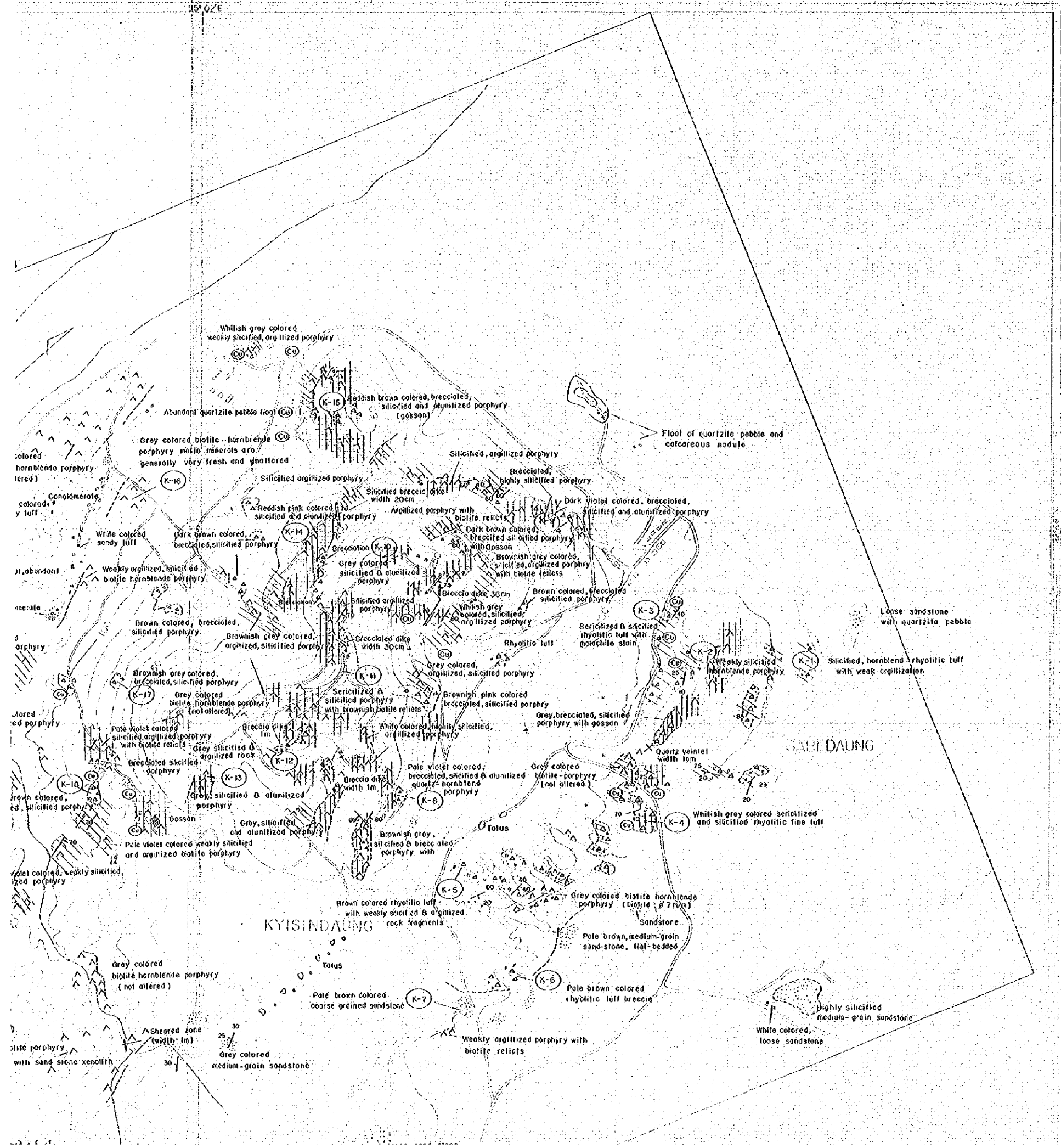
QUATERNARY	TERRACE	Talus	Basalt
	TALUS	Sand, mud, sandy mud	
PLEISTOCENE	KANDON FORMATION		
	Mudstone	Sandstone, conglomerate, sandy tuff	
PLOCENE	MAGYIGON FORMATION		
	Mudstone, siltstone	Sandstone	Hornblende porphyrite Hornblende biotite porphyry
MIOCENE	DAMAPALA FORMATION		
	Tuff, tuff breccia	Mudstone	Rhyolite
		Sandstone	
		Alteration	
		Brecciation	
		Silicification and Atunilization	
		Argillization (Kaolinite, and Sericite)	
		Ore body	

GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

ROUTE MAP OF KYISINDAUNG ZONE
SHOWING GEOLOGICAL SKETCH & SAMPLE LOCALITIES

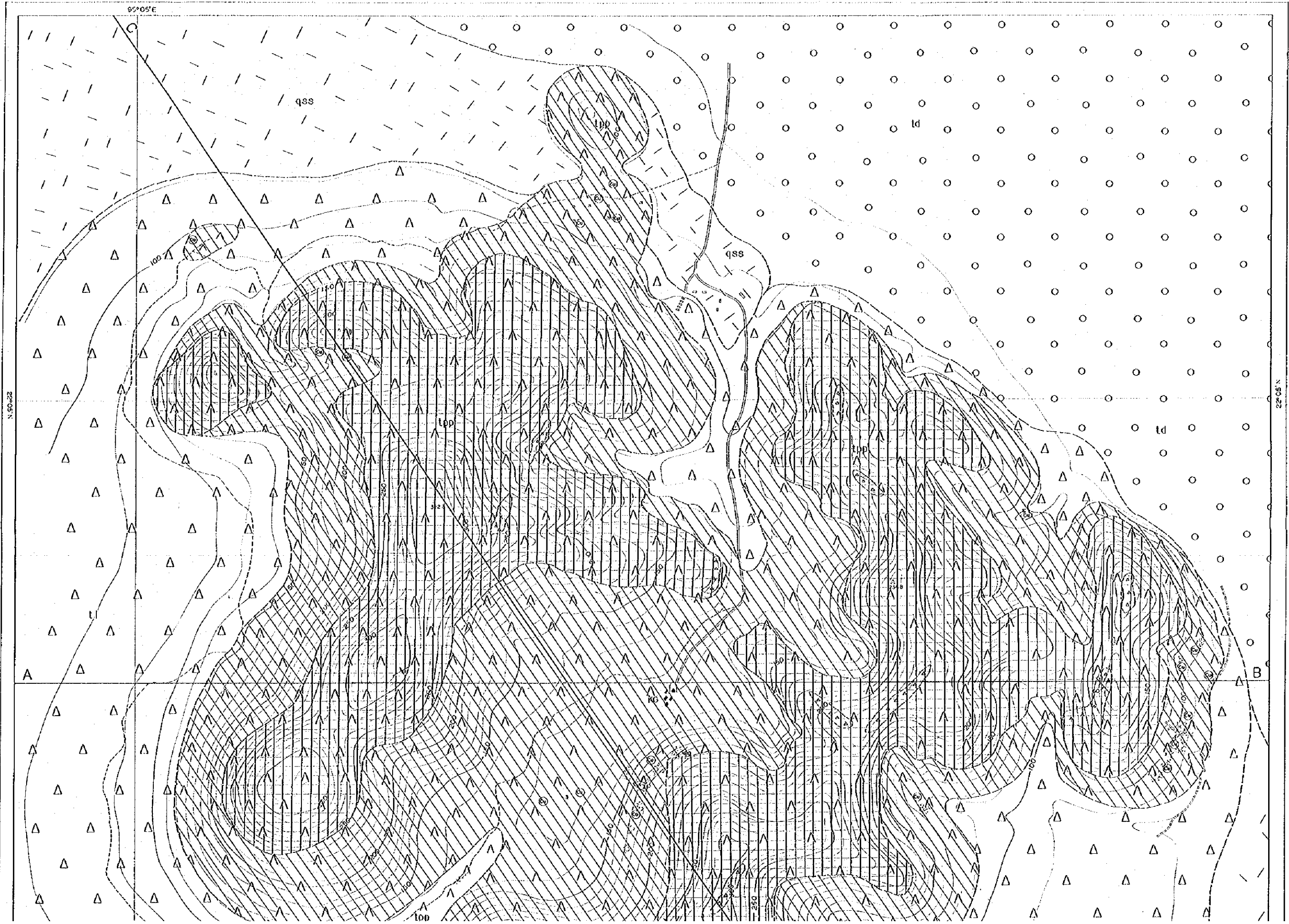


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OVERSEAS TECHNICAL COOPERATION AGENCY
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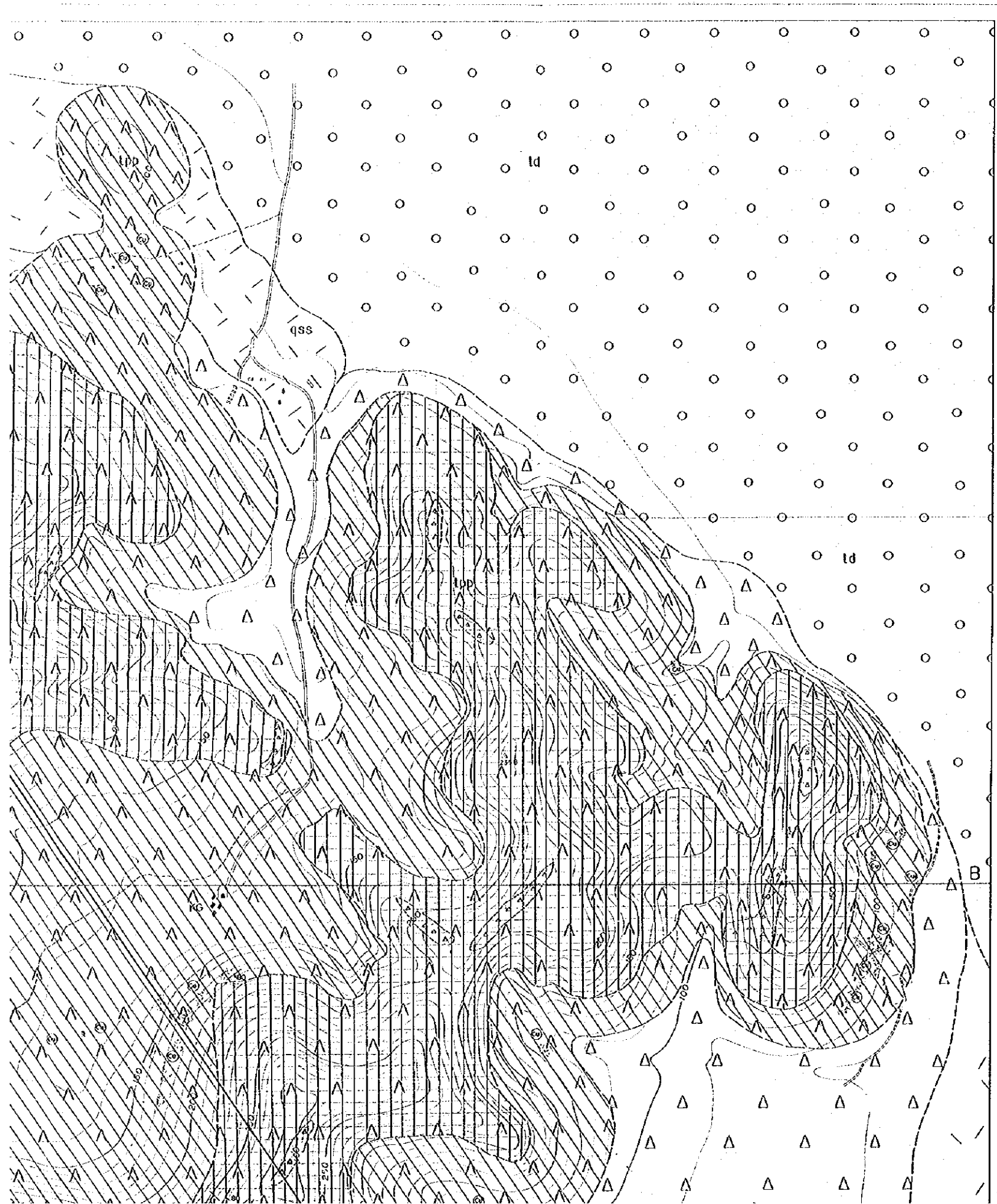


LEGEND

- Talus
- Sandstone
- Mudstone
- Tuff, Tuff breccia
- Silicified and Alunitized porphyry
- White argillized porphyry (Kaolinite and sericite)
- Slightly altered hornblende biotite porphyry
- Brecciated zone
- Joint and Fissure
- Bedding
- Copper showing
- Old working
- Tunnel and waste dump
- Shaft
- Sample No.
- Jeepable road
- Bull cart road
- Contours (interval 10m)



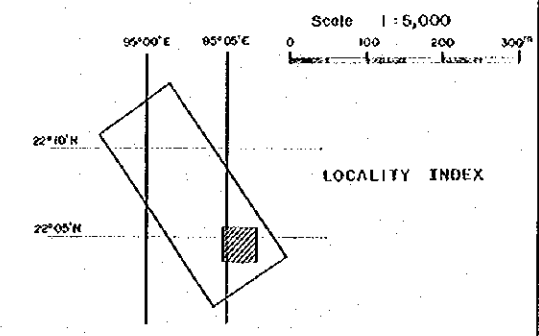
TERTIARY
 QUATERNARY
 PLIOGENE
 MIOCENE
 PLEISTOCENE
 HOLOCENE



PL. I-6-1

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

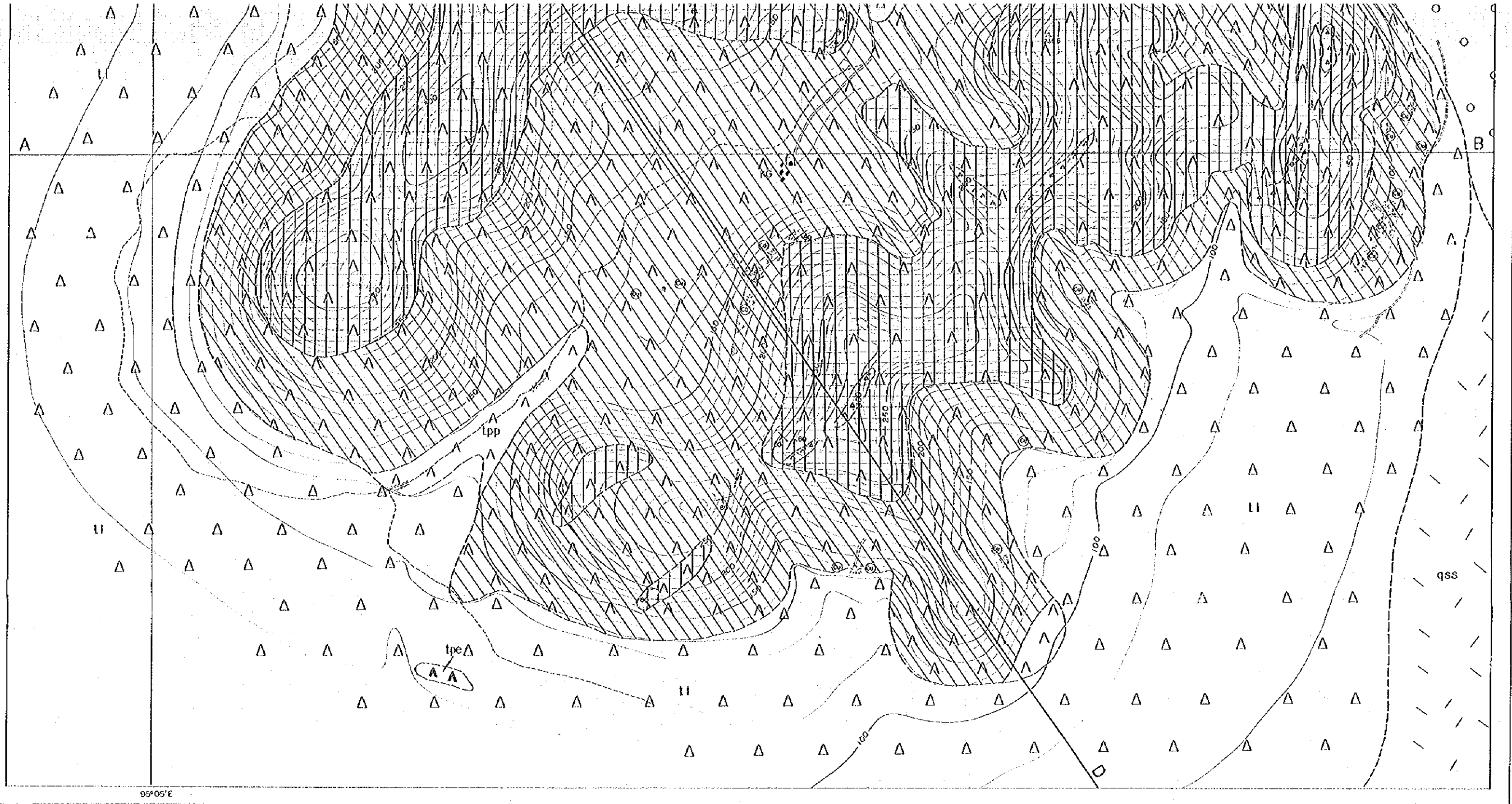
GEOLOGICAL MAP OF
 LETPADAUNG ZONE



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 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
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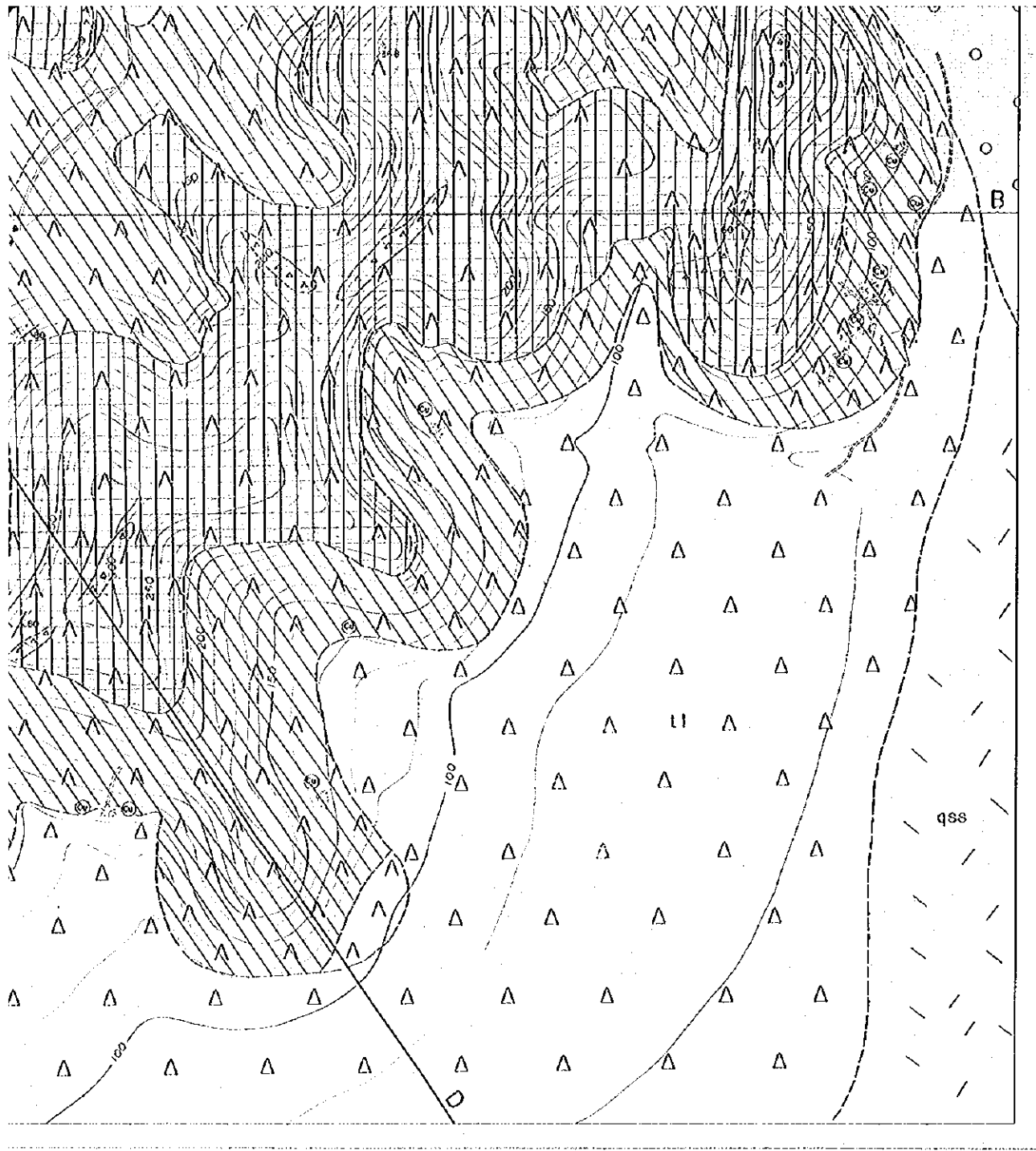
LEGEND

TERTIARY	QUATERNARY	TERRACE a	talus	Basalt
	PLEISTOCENE	TALUS	Sand, mud, sandy mud	
		KANGON FORMATION	Mudstone	
	PLIOCENE	MAGYICON FORMATION	Mudstone, siltstone	Hornblende porphyry
			Sandstone	Hornblende biotite porphyry
			Tuff, tuff breccia	Rhyolite
	MIOCENE	DAMAPALA FORMATION	Mudstone	
			Sandstone	
			Alteration	
			Brecciation zone	



TERTIARY		QUATERNARY	
MIOCENE	DAMAPALA FORMATION	lms	Sandston
		lml	Mudston
PLIOCENE	MAGYIGON FORMATION	lps	Sandston
		lpm	Mudston
PLEISTOCENE HOLOCENE	TERRACE & TALUS	tl	Talus
		ts	Sand, mu
		ks	Mudston
		ksl	Sandston sandy li
		lps	Mudston
		lps	Sandston
		tl	Tuff, tal
		lms	Mudston
		lms	Sandston
		br	Breccia
		st	Siltite
		ar	Argilli
		fj	Fissure & joint
		b	Bedding
		cs	Copper showing
		ow	Old working
		td	Tunnel and west dump
		s	Shall

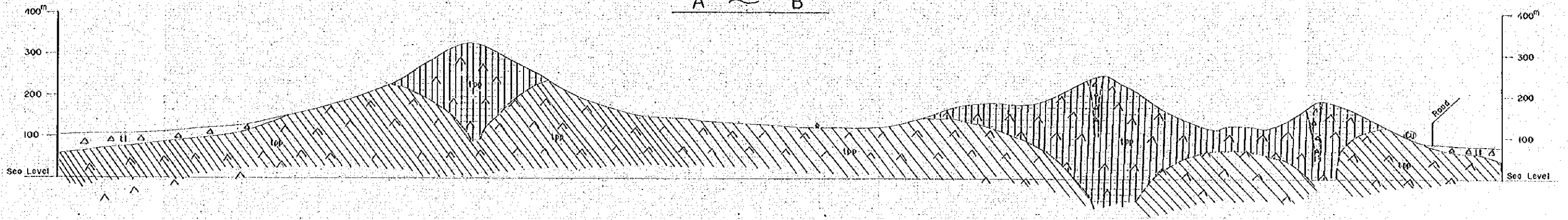
LEGE



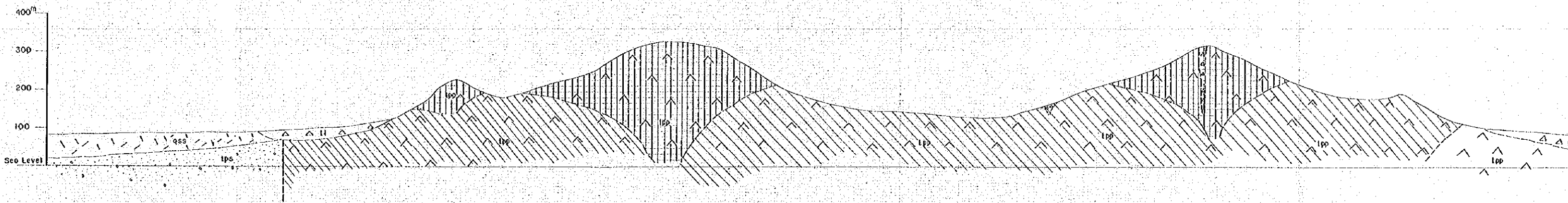
LEGEND

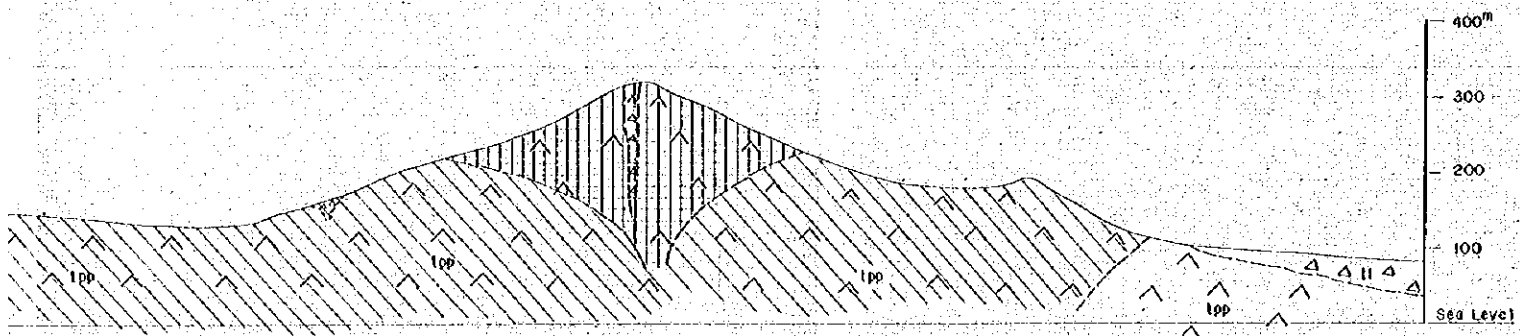
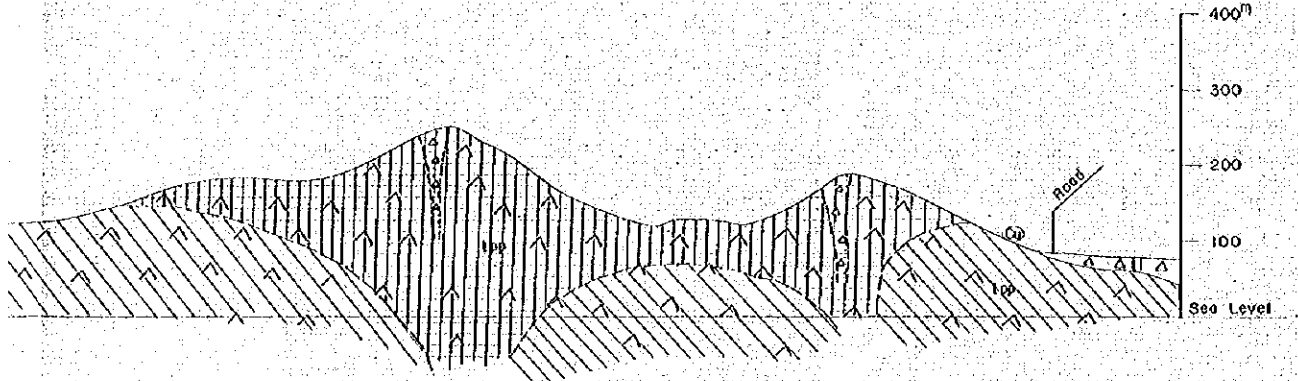
QUATERNARY PLIOCENE MIOCENE	TERRACE & TALUS		Talus		Gneiss
	KANGON FORMATION		Mudstone		Hornblende porphyry
	HAGYIGON FORMATION		Mudstone, siltstone		Hornblende biotite porphyry
	GAMAPALA FORMATION		Mudstone		Rhyolite
			Sandstone		
			Tuff, tuff breccia		
			Sandstone, conglomerate, sandy tuff		
			Sand, mud, sandy mud		
			Gneiss		
			Talus		
Alteration					
		Brecciation zone			
		Silicification and Alunitization			
		Argillization (Kaolinite, and Sericite)			
		Fissure & joint		Jeepable road	
		Bedding		Bull cart road	
		Copper showing		Monstry	
		Old working		Pagoda	
		Tunnel and waste dump		Contours (Interval 10m)	
		Shaft			

A ~ B



C ~ D





PL. I-6-2

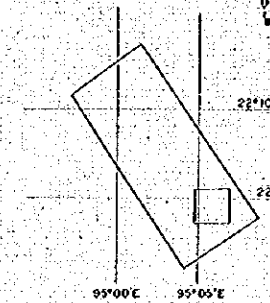
GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

GEOLOGICAL PROFILE OF
 LETPADAUNG ZONE

Scale 1 : 5,000



LOCALITY INDEX



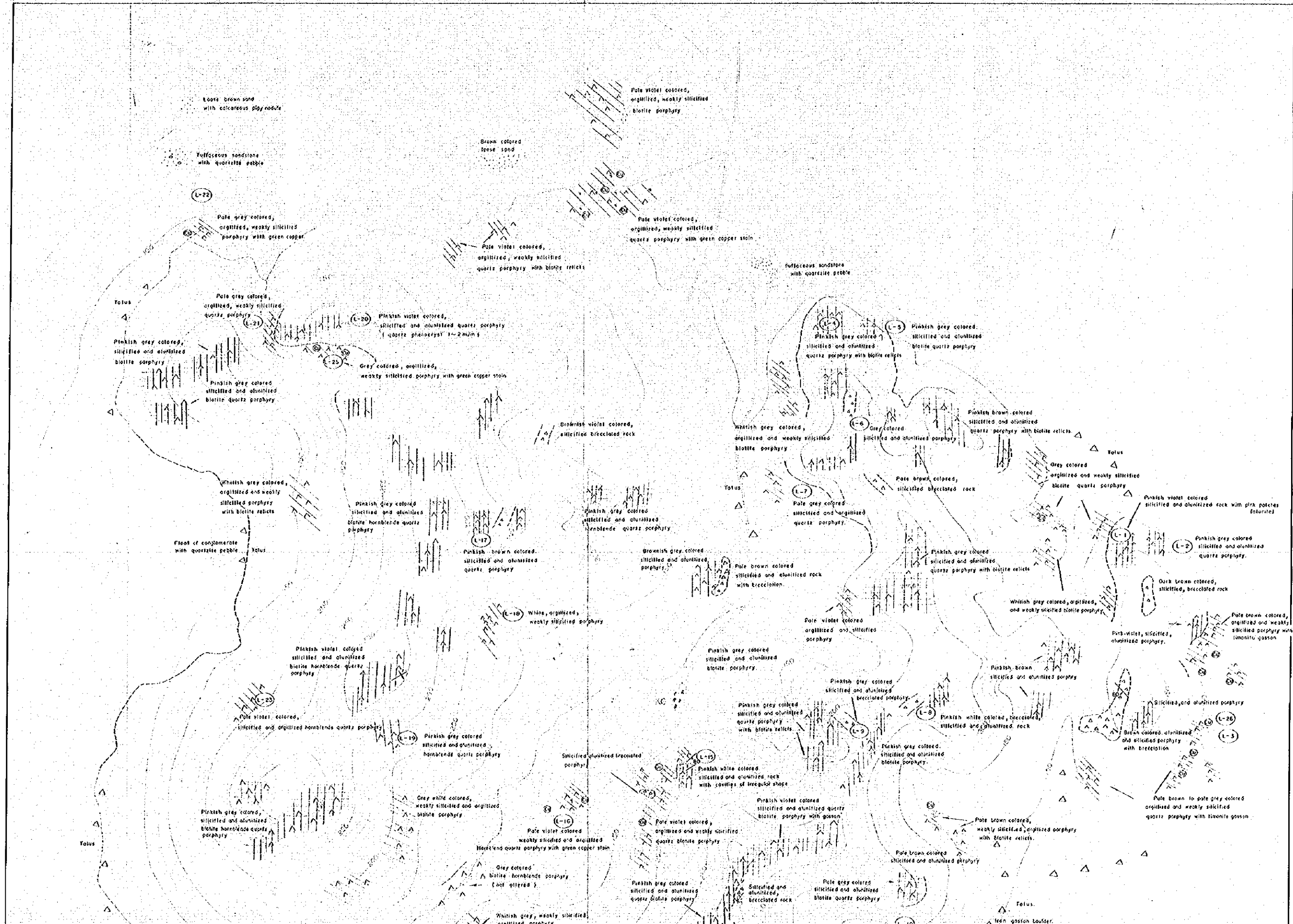
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 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
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LEGEND

TERTIARY	QUATERNARY	TERRACE & TALUS	Talus	Desert
	PLEISTOCENE HOLOCENE	KANGON FORMATION	Mudstone, sandstone, conglomerate, sandy tuff	
MIOCENE	PLIOCENE	MAGYIGON FORMATION	Mudstone, siltstone	Hornblende porphyrite
			Sandstone	Hornblende biotite porphyry
			Tuff, tuff breccia	Rhyolite
	DAMAPALA FORMATION	Mudstone		
			Sandstone	

- Alteration
- Brecciation
 - Siltification and Alunitization
 - Argillization (Kaolinite, and Sericite)

MO
 ROUTE
 SHOWING C
 22°10'N
 22°05'N
 METAL
 OVERSE
 GOVERN
 Reported

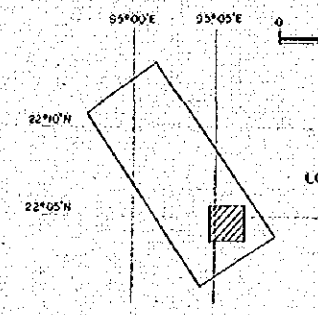
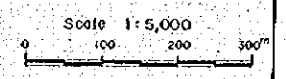


LEGEND

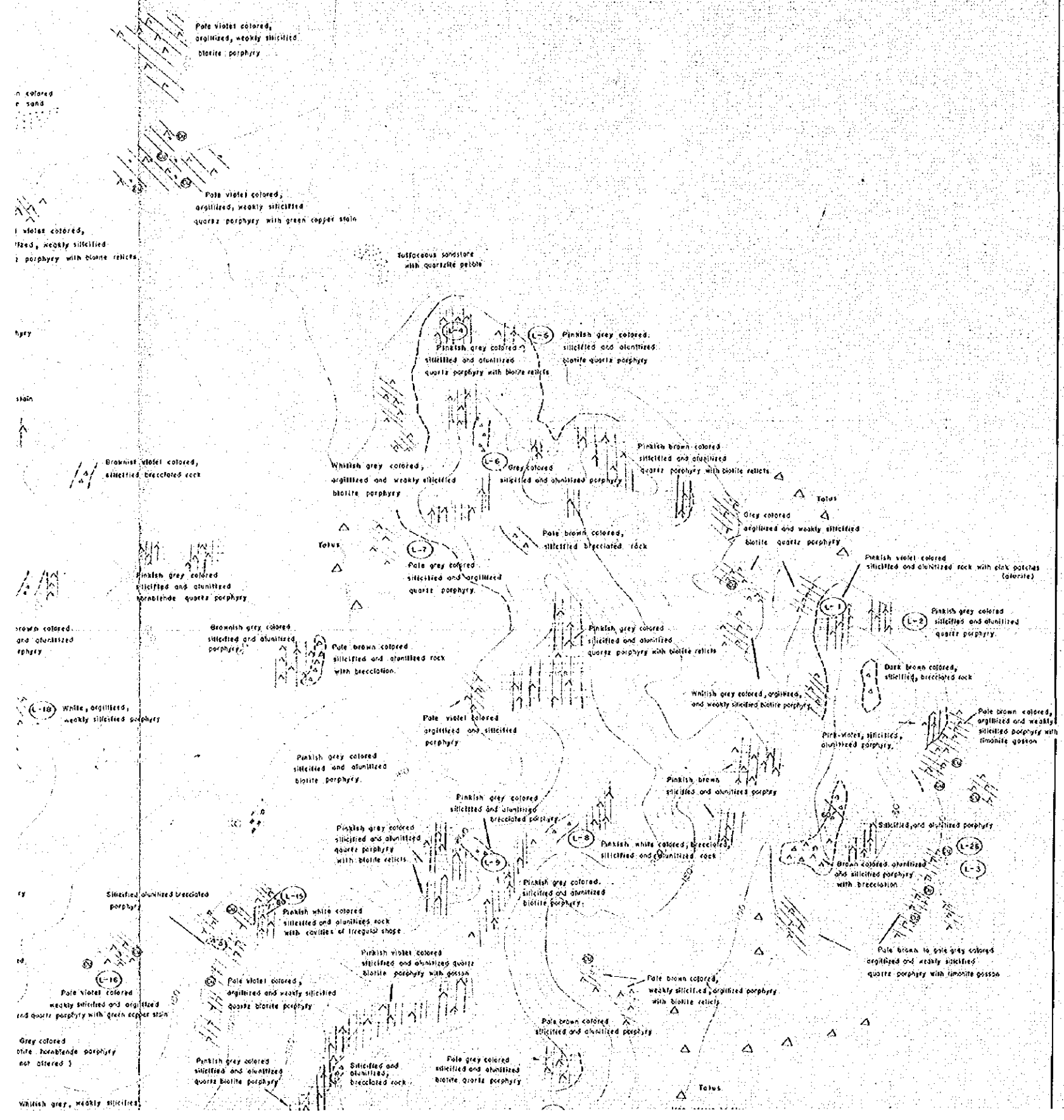
	Talus
	Tuffaceous
	Silicified
	White
	Slightly
	Hornblende
	Brecciated
	Joint
	Copper
	Old workings
	Tunnel
	Shaft

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE 1)

ROUTE MAP OF LETPADAUNG ZONE
 SHOWING GEOLOGICAL SKETCH & SAMPLE LOCALITIES

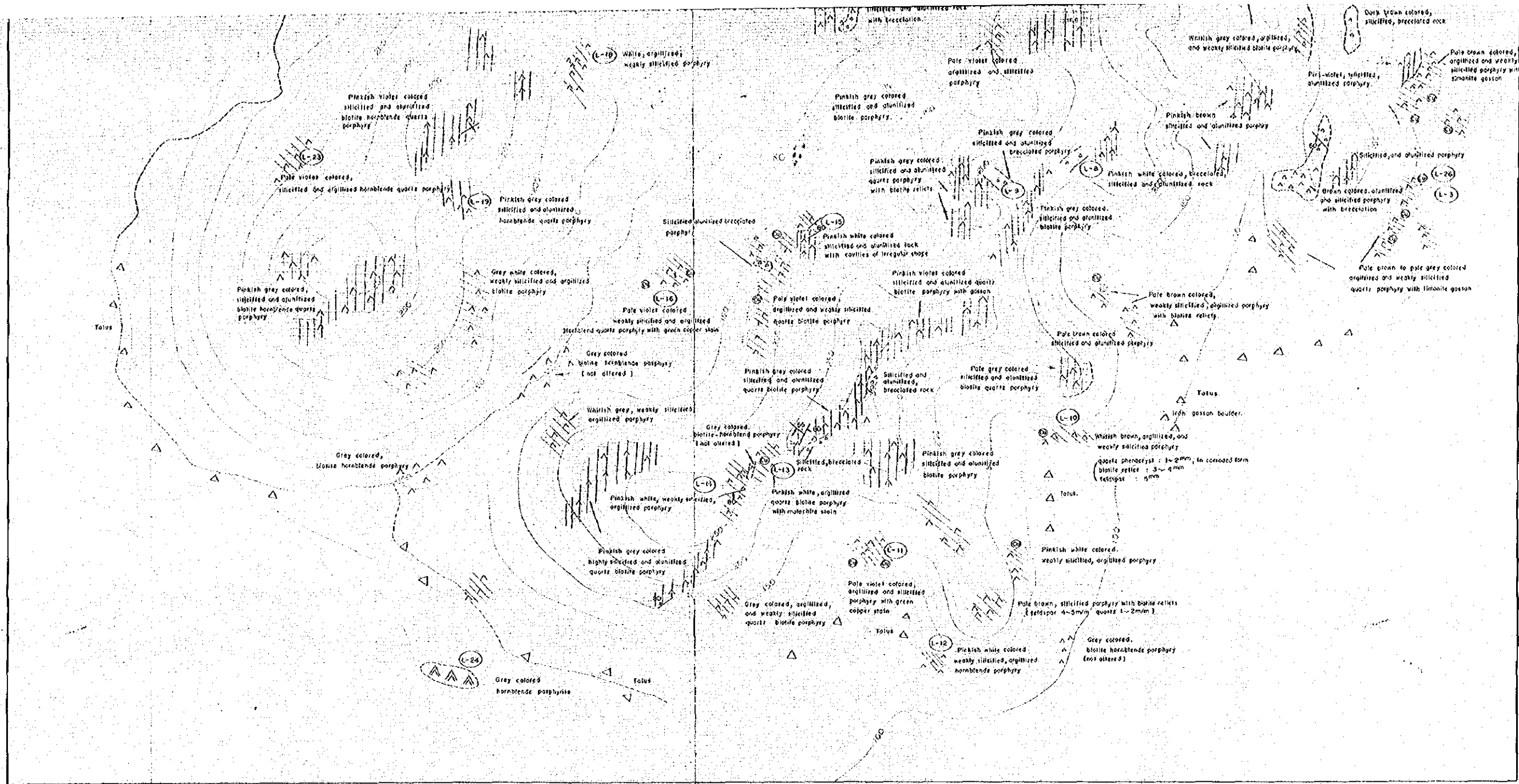


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 SEPTEMBER 1973
 Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.



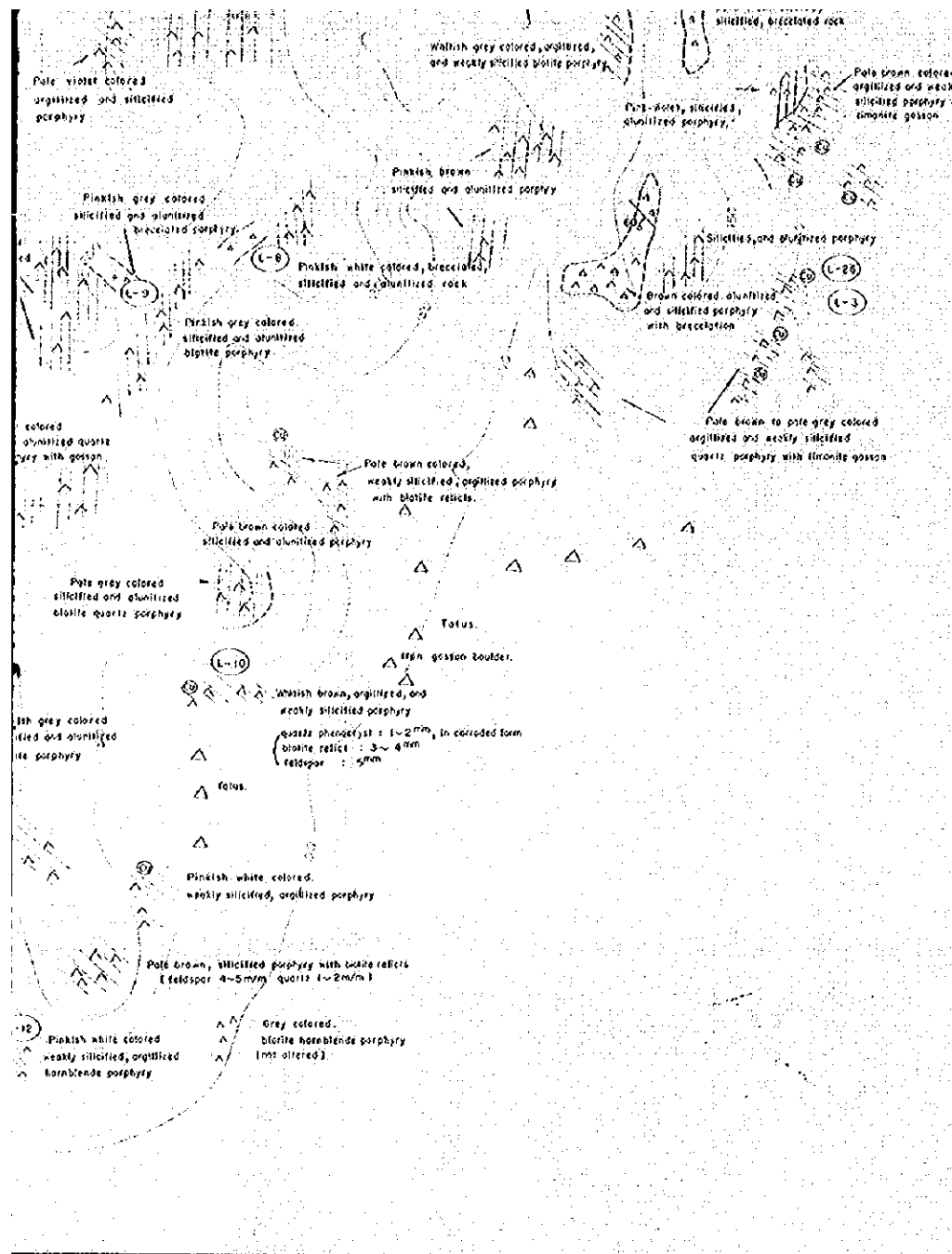
LEGEND

- Talus
- Tuffaceous sandstone, Sand
- Silicified and Alunitized porphyry
- White argillized porphyry (Koolinite and Sericite)
- Slightly altered hornblende biotite porphyry
- Hornblende porphyrite
- Brecciated zone
- Joint and Fissure
- Copper showing
- Old working
- Tunnel and waste dump
- Shaft



LE

[Symbol]	Tol
[Symbol]	Tal
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LEGEND

- Talus
- Tuffaceous sandstone, Sand
- Silicified and Argillized porphyry
- White argillized porphyry (Kaolinite and Sericite)
- Slightly altered hornblende biotite porphyry
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- Copper showing
- Old working: Tunnel and waste dump
- Shaft
- Sample No.
- Jeepable road
- Bull cart road
- Contours (interval 10m)

GEOLOGICAL SURVEY OF
 MONywa AREA UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.II No. I (S 32 Q) Sheet 1
 Total Length 300.1 m Core Recovery 95.9%
 Location Sobogaung Elevation 83.0 m
 Direction Inclination - 90°
 Date of Logging from 15th Jan. to 5 Feb.
 Logged by Molegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
 Prepared by HISUI KINZOKU ENGINEERING SERVICE CO., LTD

LEGEND

- Sandstone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

- bi : biotite
- feld : feldspar
- frag : fragment
- qiz : quartz
- w : width

Depth (m)	Particulars	Results of Chemical Analysis							
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %	
5.0	no core								
6.1	tuff	C-1	5.0	0.1	6.0	0.03	<0.1	<1	<0.01
9.1	gradat tuff	C-2	9.1	1.0	3.1	0.05	<0.1	3	0.21
10.0	tuff breccia with silicified rock <2cm, rhyolite <1cm								
12.1	massive fine tuff	C-3	12.1	2.5	3.0	0.05	<0.1	<1	0.24
14.5	massive tuff with argillized punka	C-4	14.5	1.3	2.4	0.06	<0.1	<1	0.12
16.3	oxide zone	C-5	16.3	1.8	1.8	0.08	<0.1	2	<0.01
18.9	tuff breccia with silicified rock <3cm, pyrite ore frag. <1cm	C-6	18.9	2.0	2.0	0.06	<0.1	6	0.27
20.0	Fe-oxide staining	C-7	20.0	2.7	2.7	0.04	<0.1	<1	1.76
21.6	massive green muddy tuff	C-8	21.6	2.7	2.7	0.04	<0.1	<1	1.76
24.1	biotite porphyry dike	C-9	24.1	2.2	2.5	0.03	<0.1	<1	1.96
25.0	massive green lapilli tuff with rhyolite frag. <2cm	C-10	25.0	1.6	1.6	0.01	<0.1	<1	2.10
28.0	massive tuff with muddy-tuff patches	C-11	28.0	2.3	2.3	0.05	<0.1	<1	2.61
29.6	massive lapilli tuff with silicified rock <1cm	C-12	29.6	1.5	1.6	0.03	<0.1	<1	2.42
34.4	brecciation	C-13	34.4	2.1	2.1	0.03	<0.1	<1	1.20
35.5	biotite porphyry	C-14	35.5						
37.3	massive light green tuff with muddy tuff patches	C-15	37.3	2.9	2.9	0.05	<0.1	<1	0.48
40.3	massive light green tuff with pyrite ore fragments	C-16	40.3	3.0	3.0	0.03	<0.1	<1	1.00
42.0	massive fine tuff	C-17	42.0	1.7	1.7	0.05			
43.1	Irregular boundary I	C-18	43.1	1.1	1.1	0.04			
49.4	biotite porphyry	C-19	49.4	3.05	3.05	0.02			
50.0	grey green muddy tuff								

Depth (m)	Particulars	Results of Chemical Analysis							
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %	
55.0	with silicified rock frag. 2-5cm	C-21	55.0	3.0	3.0				
56.0	Irregular boundary I	C-22	56.0	3.0	3.0	0.02		0.10	
57.0	grey green lapilli tuff	C-23	57.0	2.4	2.4				
58.0	Irregular boundary I	C-24	58.0	3.0	3.0	0.01			
59.0	grey green biotite porphyry phenocryst 2-5mm (feld. 2-5mm)	C-25	59.0	3.1	3.1				
60.0	Irregular boundary I	C-26	60.0	1.6	1.6	0.01			
61.0	Irregular boundary I	C-27	61.0	2.5	2.5				
62.0	Irregular boundary I	C-28	62.0	3.0	3.0	0.01		3.11	
63.0	Irregular boundary I	C-29	63.0	2.4	2.4				
64.0	Irregular boundary I	C-30	64.0	3.0	3.0	0.02			
65.0	Irregular boundary I	C-31	65.0	0.6	0.6				
66.0	Irregular boundary I	C-32	66.0	2.6	2.6				
67.0	Irregular boundary I	C-33	67.0	2.9	2.9	0.01			
68.0	Irregular boundary I	C-34	68.0	2.7	2.7	0.03		1.35	
69.0	Irregular boundary I	C-35	69.0	3.0	3.0				
70.0	Irregular boundary I	C-36	70.0	2.7	2.7	0.04			
71.0	Irregular boundary I	C-37	71.0	1.6	1.6	0.05			
72.0	Irregular boundary I	C-38	72.0	1.6	1.6	0.05			
73.0	Irregular boundary I	C-39	73.0	2.3	2.3				
74.0	Irregular boundary I	C-40	74.0	3.1	3.1	0.02		3.15	

Depth (m)	Particulars	Results of Chemical Analysis							
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %	
105.0	biotite porphyry phenocryst: feld, qz, bi.	C-41	105.0	3.0	3.0				
106.0	massive green tuff with silicified rock frag. <5mm, pyrite ore frag. <3mm	C-42	106.0	2.5	2.5	0.03			
108.6	weak silicification argillization	C-43	108.6	3.0	3.0				
109.1	Irregular boundary I	C-44	109.1	0.5	0.5	0.03			
110.5	Irregular boundary I	C-45	110.5	1.4	1.4				
111.7	grey green biotite porphyry (feld. abundant, qz. common, bi. common)	C-46	111.7	1.2	1.2	0.01			
112.9	Irregular boundary I	C-47	112.9	1.2	1.2				
113.9	Irregular boundary I	C-48	113.9	0.9	1.0	0.01			
114.9	pyrite stringer and impregnation	C-49	114.9	1.1	1.1				
115.3	white rhyolite	C-50	115.3	0.5	0.5	0.55		13.39	
116.0	pyrite, irregular veinlet and impregnation	C-51	116.0	0.7	0.7				
116.8	pyrite, irregular veinlet and impregnation	C-52	116.8	0.8	0.8	0.01			
118.3	pyrite stringer and impregnation	C-53	118.3	1.5	1.5				
119.8	white rhyolite	C-54	119.8	1.4	1.4	0.01			
122.5	pyrite stringer and impregnation	C-55	122.5	2.1	2.7				
123.0	joint filling pyrite	C-56	123.0	1.3	1.3	0.01			
125.0	biotite porphyry	C-57	125.0	2.8	2.8				
127.2	Irregular boundary I	C-58	127.2	0.6	0.6	0.01		<0.01	
130.3	Irregular boundary I	C-59	130.3	3.4	3.1				
131.6	Irregular boundary I	C-60	131.6	1.3	1.3	0.01			
134.1	Irregular boundary I	C-61	134.1	2.5	2.5				
135.8	massive tuff with accidental frag. <5mm	C-62	135.8	2.7	2.7	0.01			
139.3	biotite porphyry	C-63	139.3	1.5	1.5				
139.8	massive light green tuff breccia with rhyolite frag. <3cm, rim argillized silicified rock <2cm, pyrite impregnated	C-64	139.8	1.6	1.5	1.1			
141.3	Irregular boundary I	C-65	141.3	1.5	1.5				
142.8	Irregular boundary I	C-66	142.8	1.5	1.5	0.04			
144.3	Irregular boundary I	C-67	144.3	1.6	1.5				
145.8	Irregular boundary I	C-68	145.8	1.5	1.5	0.03		0.19	
147.3	Irregular boundary I	C-69	147.3	1.5	1.5				
148.3	Irregular boundary I	C-70	148.3	1.5	1.5	0.03			
149.4	Irregular boundary I	C-71	149.4	0.6					
150.0	Irregular boundary I	C-72	150.0	0.6	0.6	0.08			

GEOLOGICAL SURVEY OF
MONGYWA AREA, UNION OF BURMA
(PHASE I)

CORE LOG and ASSAY

D.D.H. No. 1 (S 32 Q) Sheet 2
Total Length 300.1 m Core Recovery 95.9%
Location Subadung Elevation 83.0 m
Direction Inclination - 90°
Date of Logging from 15 Jun. to 5 Feb.
Logged by Motagi

METAL MINING AGENCY
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LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
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- Brecciation
- Size grading (fine at the top and coarse at the base)
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Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu	Ag	% S
165.0	L	pale green rhyolite	C-73	150.8	0.65	0.65			
	L	2.70° pyrite stringer	C-74	151.30	0.65	0.65			
	L	weak argillization and chloritization	C-75	152.65	1.25	1.25			
	L		C-76	153.9	1.25	1.25	0.02		
	L	pale green rhyolite with chlorite spots	C-77	154.8	1.0	1.0			
	L		C-78	155.8	1.0	1.0	0.04		
	L		C-79	156.4	0.8	0.8			
	L		C-80	157.0	0.6	0.6	0.03		
	L		C-81	157.95	0.95	0.95			
	L		C-82	158.9	0.95	0.95	0.03		3.41
	L	60° pyrite stringer W: 2mm	C-83	160.05	1.15	1.15			
	L	pale green rhyolite	C-84	161.20	1.15	1.15	0.02		
	L		C-85	161.95	0.75	0.75			
	L		C-86	162.7	0.75	0.75	0.02		
	L	brecciation	C-87	163.4	0.7	0.7			
	L		C-88	164.1	0.7	0.7	0.02		
	L	pyrite impregnation	C-89	165.6	1.5	1.5			
	L		C-90	167.1	1.5	1.5	0.01		
	L	pale green rhyolite	C-91	168.80	1.5	1.5			
	L		C-92	170.1	1.5	1.5	0.01		
	L		C-93	171.60	1.5	1.5			
	L	brecciation	C-94	173.1	1.5	1.5	0.01		
	L	pyrite, chalcopyrite impregnation and stringer	C-95	174.65	1.55	1.55			
	L		C-96	176.2	1.55	1.55	0.01		0.11
	L	pale green rhyolite	C-97	177.6	1.4	1.4			
	L		C-98	179.00	1.4	1.4	0.01		
	L	brecciation	C-99	179.65	0.55	0.55			
	L		C-100	180.1	0.65	0.65	0.05		
	L	brecciation	C-101	180.65	0.55	0.55			
	L		C-102	181.20	0.4	0.4			
	L	grey rhyolite	C-103	182.20	0.6	0.6	0.01		
	L	weak argillization chloritization	C-104	183.55	1.45	1.45			
	L		C-105	185.1	1.45	1.45	0.01		
	L	auto brecciated rhyolite	C-106	185.65	0.75	0.75			
	L	pyrite impregnation	C-107	186.65	0.7	0.7			
	L		C-108	187.10	0.5	0.5			
	L		C-109	187.5	0.4	0.4			
	L		C-110	187.9	0.4	0.4			
	L	massive tuff breccia with rhyolite breccia and silicified rock fragments	C-111	188.4	1.5	1.5	0.03		2.53
	L		C-112	189.9	1.5	1.5			
	L	40° joint filling pyrite	C-113	190.9	0.95	0.95	0.04		
	L		C-114	192.8	0.95	0.95			
	L	massive tuff breccia with pyrite fragments < 4cm	C-115	193.6	0.9	0.9	0.03		
	L		C-116	194.4	0.8	0.8			
	L		C-117	194.8	0.7	0.7	0.03		
	L		C-118	195.8					
	L	biotite porphyry (irregular boundary)	C-119	197.0	1.3	1.3	0.06		
	L		C-120	198.4	1.3	1.3			
	L	pale green, fine tuffaceous sand-stone	C-121	199.3	0.9	0.9	0.02		
	L		C-122	200.3	1.0	1.0			

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu	Ag	% S
205.0	L	massive tuff breccia with rhyolite frag. km ~ 4cm silicified rock frag < 4cm	C-123	201.6	1.3	1.3	0.06		
	L	energite pyrite in vertical veinlet W: 6mm	C-124	202.8	1.2	1.2			3.22
	L	chilled margin	C-125	203.65	0.65	0.65	0.05		
	L	biotite quartz porphyry	C-126	204.5	0.65	0.65			
	L	pyrite impregnation (rare)	C-127	205.3	0.8	0.8	0.10		
	L	massive tuff	C-128	206.4	1.1	1.1			
	L	light grey ~ green massive tuff	C-129	208.0	1.6	1.6	0.01		
	L	joint filling pyrite and impregnation	C-130	209.6	1.6	1.6			
	L	weakly graded tuff	C-131	210.9	1.3	1.3	0.04		
	L		C-132	212.2	1.3	1.3			
	L	pyrite stringer W: 1mm	C-133	212.8	0.6	0.6	0.03		
	L		C-134	213.4	0.6	0.6			
	L	tuff breccia silicified rock < 1cm pyrite ore frag < 1cm	C-135	214.9	0.75	0.75	0.07		
	L		C-136	216.2	1.3	1.3	0.03		
	L	weakly graded tuff	C-137	217.5	1.3	1.3			
	L		C-138	218.75	1.25	1.25	0.08		3.16
	L	fine tuff	C-139	220.0	1.25	1.25			
	L	joint filling chalcopyrite and pyrite	C-140	221.5	1.50	1.50	0.11		
	L	tophill tuff	C-141	223.0	1.5	1.5			
	L	pale green massive fine tuff	C-142	224.15	1.15	1.15	0.02		
	L		C-143	225.3	1.15	1.15			
	L	pyrite impregnation	C-144	226.0	0.7	0.7	0.10		
	L	pale green massive tuff	C-145	227.55	1.55	1.55			
	L		C-146	229.10	1.55	1.55	0.05		
	L	70° pyrite stringer	C-147	230.00	0.95	0.95	0.10		
	L	specularite impregnation	C-148	231.00	1.05	1.05			
	L	fine grain sandy tuff	C-149	233.10	1.05	1.05	0.05		
	L	graded tuff	C-150	234.5	1.40	1.40			
	L	tophill tuff with silicified rock fragments	C-151	235.9	1.40	1.40	0.10 < 0.1 < 1		3.64
	L	60° pyrite stringer	C-152	236.95	1.05	1.05	0.21 < 0.1 < 1		8.72
	L	massive green-grey tuff	C-153	238.0	1.05	1.05	0.04 < 0.1 < 1		5.09
	L		C-154	239.55	1.55	1.55	0.15 < 0.1 < 1		7.50
	L	pyrite, hematite impregnation	C-155	241.1	1.55	1.55	0.09 < 0.1 < 1		4.58
	L	massive green-grey tuff ~ tophill tuff	C-156	242.0	0.9	0.9	0.14 < 0.1 < 1		4.44
	L		C-157	242.9	0.9	0.9	0.27 < 0.1 < 1		6.38
	L	40° pyrite-chalcopyrite veinlet W: 3mm with 3cm of silicified rim	C-158	244.3	1.0	1.0	0.22 < 0.1 < 1		11.66
	L		C-159	245.4	1.10	1.10	0.26 < 0.1 < 1		2.09
	L		C-160	246.5	1.10	1.10	0.14 < 0.1 < 1		4.53
	L		C-161	247.55	1.05	1.05	0.12 < 0.1 < 1		3.22
	L		C-162	248.82	1.05	1.05	0.09 < 0.1 < 1		3.48
	L	massive green tuff	C-163	250.06	1.45	1.45	0.05 < 0.1 < 1		3.22

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu	Ag	% S
255.0	L	massive green tuff	C-164	251.5	1.45	1.45	0.07 < 0.1 < 1		3.11
	L	60° pyrite-hematite stringer W: 1mm	C-165	252.50	1.05	1.05	0.10 < 0.1 < 1		2.17
	L		C-166	253.60	1.05	1.05	0.09 < 0.1 < 1		6.81
	L		C-167	254.95	1.35	1.35	0.12 < 0.1 < 1		3.18
	L		C-168	256.3	1.35	1.35	0.17 < 0.1 < 1		2.50
	L		C-169	257.8	1.0	1.0	0.08 < 0.1 < 1		2.96
	L	massive green tuff	C-170	259.25	0.75	0.75	0.06 < 0.1 < 1		2.17
	L	fine tuff	C-171	259.2	0.75	0.75	0.11 < 0.1 < 1		2.96
	L	graded tuff	C-172	259.9	0.7	0.7	0.04 < 0.1 < 1		3.41
	L		C-173	260.6	0.7	0.7	0.05 < 0.1 < 1		3.82
	L		C-174	261.3	0.7	0.7	0.01 < 0.1 < 1		2.75
	L		C-175	262.3	1.0	1.0	0.01 < 0.1 < 1		1.82
	L	tuff breccia with silicified rock frag < 4cm	C-176	263.95	1.15	1.15	0.02		
	L	pyrite impregnation	C-177	265.0	1.45	1.45			
	L	massive tuff with fine tuff band	C-178	265.7	0.6	0.6	0.02		
	L	graded tuff	C-179	266.5	0.8	0.8			
	L		C-180	267.3	0.8	0.8	0.05		
	L	pyrite impregnation	C-181	268.55	1.25	1.25			
	L		C-182	270.4	1.65	1.65	0.05		
	L	tuff breccia with rhyolite frag < 2cm silicified rock frag < 3cm	C-183	271.1	0.7	0.7	0.02		
	L	pyrite impregnation	C-184	271.8	0.7	0.7			
	L	weakly argillized green tuff	C-185	272.8	0.8	1.0			
	L		C-186	273.5	0.7	0.7	0.02		
	L	weak argillization	C-187	274.2	0.7	0.7			
	L		C-188	275.5	1.3	1.3	0.02		1.53
	L		C-189	276.0	1.3	1.3			
	L	biotite porphyry phenocryst (qiz 4-5mm abundant qiz 4mm rare bio 4mm chloritized, common)	C-190	278.3	1.5	1.5	0.01		
	L		C-191	279.8	1.5	1.5			
	L	pyrite impregnation	C-192	280.8	1.0	1.0	0.01		
	L		C-193	281.8	1.0	1.0			
	L	chilled margin 10cm, chloritized	C-194	282.75	0.95	0.95	0.03		
	L		C-195	283.7	0.95	0.95			
	L	massive green tuff	C-196	284.65	0.95	0.95	0.02		

Depth (m)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	% Fe	% Ag	% S	
3.0		no core		3.0						
4.0		grey tuffaceous sand-stone	1	4.3	1.0	1.3	0.05	<0.1	<1	0.02
5.0		argillization	2	5.7	1.4	1.4	0.01	<0.1	<1	0.01
7.0		grey tuffaceous sand-stone	3							
7.8		argillization	4	7.8	2.1	2.1	0.01	<0.1	<1	0.01
8.5		argillization	5	8.5	0.3	0.7	0.01	<0.1	<1	0.02
10.0		grey tuffaceous sand-stone	6	10.2	1.7	1.7	0.01	<0.1	<1	0.02
10.2		argillization	7							
12.6		tuffaceous sand-stone	8	12.6	2.3	2.4	0.01	<0.1	<1	0.02
15.0		tuffaceous sand-stone	9	15.1	2.5	2.5	0.01	<0.1	<1	0.01
18.1		sandstone with mud patches	10	18.1	3.0	3.0	0.01	<0.1	<1	2.53
19.3		blotite porphyry	11	19.3	1.2	1.2	0.01	<0.1	<1	3.23
20.0		grey tuffaceous sand-stone	12	20.0	2.2	2.2	0.01	<0.1	<1	3.37
21.5		blotite porphyry	13	21.5	1.8	1.8	0.07	<0.1	<1	3.24
23.3		of sand-stone with mud patches and mud layer	14	23.3	1.3	1.3	0.03	<0.1	<1	4.92
25.0		grey tuffaceous sand-stone	15	25.0	1.2	1.2	0.10	<0.1	<1	3.30
27.6		massive grey sand-stone	16	27.6	1.8	1.8	0.14	<0.1	<1	2.75
29.4		grey massive sand-stone	17	29.4	1.8	1.8	0.19	<0.1	<1	5.78
31.2		grey massive sand-stone	18	31.2	1.8	1.8	0.12	<0.1	<1	2.62
32.4		sand stone with mud patches	19	32.4	1.2	1.2	0.17	<0.1	<1	3.04
35.5		blotite porphyry	20	35.5	3.1	3.1	0.09	<0.1	<1	2.39
37.3		blotite porphyry	21	37.3	1.8	1.8	0.16	<0.1	<1	4.21
39.6		blotite porphyry	22	39.6	1.3	1.3	0.11	<0.1	<1	4.02
39.5		blotite porphyry	23	39.5	0.9	0.9	0.04			
41.8		massive green lapilli tuff	24	41.8	1.2	2.3	0.05			
42.8		massive green lapilli tuff	25	42.8	1.0	1.0	0.08			
45.8		chilled margin (dark green, glassy)	26	45.8	3.0	3.0	0.09			
48.1		blotite porphyry	27	48.1	2.3	2.3	0.06			
50.0		massive green tuff	28	50.0	1.9	1.9	0.07			

Depth (m)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	% Fe	% Ag	% S	
53.0		massive green tuff	29	53.0	3.0	3.0	0.06			
54.8		massive green lapilli tuff	30	54.8	1.8	1.8	0.01			
56.5		massive green lapilli tuff	31	56.5	1.7	1.7	0.02			
59.3		massive green tuff	32	59.3	3.0	3.0	0.02			
62.6		massive green tuff	33	62.6	3.1	3.1	0.02			
63.8		massive green tuff	34	63.8	1.2	1.2	0.02			
65.1		massive green tuff	35	65.1	1.3	1.3	0.02			
66.8		massive green tuff	36	66.8	1.7	1.7	0.01			
67.7		massive green tuff	37	67.7	0.9	0.9	0.05			
68.7		massive green tuff	38	68.7	1.0	1.0	0.04			
70.0		massive green tuff	39	70.0	1.3	1.3	0.03			
71.7		massive green tuff	40	71.7	1.7	1.7	0.05			
73.7		massive green tuff	41	73.7	2.0	2.0	0.02			
75.0		massive green tuff	42	75.0	1.3	1.3	0.01			
76.6		massive green tuff	43	76.6	1.6	1.6	0.02			
79.6		massive green tuff	44	79.6	3.0	3.0	0.02			
81.6		massive green tuff	45	81.6	2.0	2.0	0.01			
82.5		massive green tuff	46	82.5	0.7	0.9	0.01			
85.2		massive green tuff	47	85.2	2.7	2.7	0.01			
86.9		massive green tuff	48	86.9	1.7	1.7	0.02			
87.8		massive green tuff	49	87.8	0.9	0.9	0.01			
90.0		massive green tuff	50	90.0	2.2	2.2	0.02			
91.8		massive green tuff	51	91.8	1.8	1.8	0.12			
94.8		massive green tuff	52	94.8	2.6	2.6	0.01			
100.0		massive green tuff	53	100.0						

Depth (m)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	% Fe	% Ag	% S	
103.0		auto brecciated rhyolite lava (dark green colored)	54	103.0	2.8	2.8	0.01			
106.3		auto brecciated rhyolite	55	106.3	3.0	3.0	0.01			
109.1		auto brecciated green rhyolite lava	56	109.1	2.8	2.8	0.01			
111.6		auto brecciated green rhyolite lava	57	111.6	2.5	2.5	0.01			
114.0		auto brecciated rhyolite	58	114.0	2.4	2.4	0.01			
115.6		auto brecciated rhyolite	59	115.6	1.8	1.8	0.02			
118.8		auto brecciated rhyolite	60	118.8	3.0	3.0	0.03			
121.8		auto brecciated green rhyolite	61	121.8	3.0	3.0	0.06			
124.2		auto brecciated rhyolite	62	124.2	2.4	2.4	0.02			
126.4		auto brecciated rhyolite	63	126.4	1.9	1.9	0.01			
128.5		auto brecciated rhyolite	64	128.5	0.8	0.8	0.01			
128.5		auto brecciated rhyolite	65	128.5	1.6	1.6	0.02			
129.9		auto brecciated rhyolite	66	129.9	1.4	1.4	0.01			
132.3		auto brecciated rhyolite	67	132.3	2.4	2.4	0.01			
133.4		auto brecciated rhyolite	68	133.4	1.1	1.1	0.01			
135.5		auto brecciated rhyolite	69	135.5	3.1	3.1	0.01			
137.9		auto brecciated rhyolite	70	137.9	1.0	1.0	0.01			
138.0		auto brecciated rhyolite	71	138.0	1.1	1.1	0.01			
140.2		auto brecciated rhyolite	72	140.2	1.6	1.6	0.01			
141.3		auto brecciated rhyolite	73	141.3	1.1	1.1	0.01			
141.5		auto brecciated rhyolite	74	141.5	0.2	0.2	0.01			
142		auto brecciated rhyolite	75	142	0.5	0.5	0.01			
143.7		auto brecciated rhyolite	76	143.7	1.7	1.7	0.01			
145.8		auto brecciated rhyolite	77	145.8	2.1	2.1	0.01			
148.0		auto brecciated rhyolite	78	148.0	2.2	2.2	0.02			
150.3		auto brecciated rhyolite	79	150.3	2.3	2.3	0.03			

PL. I-8-2

GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

CORE LOG and ASSAY

D.D.H. No. 2 (S32U) Sheet 1

Total Length 301.0 m Core Recovery 96.0%

Location Sabedoung Elevation 85.0 m

Direction _____ Inclination 50

Date of Logging from 15th Apr. to 5th Feb.

Logged by Moteq

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973

Prepared by MITSUBISHI ENGINEERING SERVICE CO., LTD.

LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

qtz : quartz
w : width

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.I. No. 2 (S. 32U) Sheet 2
 Total Length 301.0^m Core Recovery 96.0%
 Location Sabedung Elevation 85.0^m
 Direction Inclination - 90
 Date of Logging from 15th Jun. to 5th Feb.
 Logged by Molegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973

Prepared by MITSUBI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

frag : fragment
 w : width

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	Au %	Ag %	S %	
		joint filling pyrite and impregnation	79	151	0.7	0.7	0.02			
		auto brecciated green rhyolite	80							
		fin tuff	154.1	3.1	3.1	0.02				
1550		graded tuff								
		tuff breccia								
		alteration of sand stone with stumped mud patches and tuff	152.1	3.0	3.0	0.02				
		weak chloritization and silicification								
		fine grey-green tuff	160.1	3.0	3.0	0.08				
1600		graded tuff	161.5	1.4	1.4	0.02				
		tuff breccia with silicified breccia (5~8cm)	163.8	2.3	2.3	tr				
1650		fine grey tuff								
		pyrite impregnation and little amount of chalcopyrite	166.8	3.0	3.0	tr				
		graded tuff	169.8	3.0	3.0	tr				
1700		green lapilli tuff with stumped sand patches								
		pyrite impregnation								
		amount decrease	172.8	3.0	3.0	0.01				
1750		luffaceous, green massive sand stone								
		luffaceous, green, massive sand stone	175.8	3.0	3.0	tr				
		pyrite impregnation								
		luffaceous, green, massive sand stone	178.8	3.0	3.0	tr				
1800		massive luffaceous sand stone	181.1	2.3	2.3	0.01				
		joint filling pyrite and pyrite impregnation	182.4	1.3	1.3	0.01				
1850		massive luffaceous sand-stone	185.5	3.1	3.1	0.01				
		joint filling pyrite and pyrite impregnation	187.7	2.2	2.2	0.02				
		massive luffaceous sand-stone	187.8	0.1	0.1	0.01				
1900		graded sand stone with subrounded frags 2cm at the bottom	190.8	3.0	3.0	tr				
		pyrite impregnation								
1950		gray-green tuff	194.3	1.1	1.1	0.01				
		graded tuff	195.9	1.0	1.0	0.01				
2000										
			198.9	3.0	3.0	tr				

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	Au %	Ag %	S %	
		green tuff breccia breccia < 7cm matrix rhyolite	100	201.3	2.4	2.4	tr			
		massive tuff with chloritized pumice patch (a green patch)	101	202.3	1.0	1.0				
2050		auto brecciated gray-green rhyolite	102	205.0	2.7	2.7	0.02			
		oxidization	103	205.8	0.8	0.8				
2070		pyrite impregnation	104	207.0	1.2	1.2	0.01			
2085		pyrite (chalcopyrite) stringer (joint filling impregnation)	105	208.5	0.9	1.5				
2100		gray-green rhyolite	106	209.7	0.8	1.2	0.01			
2112		pyrite (chalcopyrite) stringer (joint filling impregnation)	107	211.2	0.9	1.5				
		pyrite (chalcopyrite) stringer impregnation	108	212.0	0.8	0.8	0.02			
		weak chloritization	109	213.7	1.7	1.7				
2150		pale green rhyolite	110	215.0	1.3	1.3	0.01			
		pyrite (chalcopyrite) stringer impregnation	111	217.2	2.2	2.2				
		amount decrease	112	218.2	1.0	1.0	0.02			
2200		pale green rhyolite	113							
2218		pyrite impregnation	114	220.6	2.6	2.6				
2250		green rhyolite	115	223.3	0.1	2.5	0.08			
		pyrite impregnation	116	224.1	0.8	0.8				
		pyrite (chalcopyrite) stringer impregnation	117	227.9	2.1	2.1				
2300		auto brecciated rhyolite lava	118	228.9	1.0	1.0	tr			
		pyrite (chalcopyrite) stringer impregnation	119	230.5	1.6	1.6				
		auto brecciated green rhyolite	120	232.1	1.6	1.6	0.01			
		pyrite (chalcopyrite) stringer impregnation	121	233.1	1.0	1.0				
2350		chloritization	122	234.9	1.8	1.8	0.01			
		pyrite, chalcopyrite impregnation	123	236.5	1.6	1.6				
		auto brecciated green rhyolite	124	238.5	3.0	3.0	0.01			
2400		green rhyolite	125	240.5	1.0	1.0				
		pyrite, chalcopyrite impregnation and stringer	126	241.9	1.4	1.4	0.03			
		pyrite, chalcopyrite impregnation and stringer	127	243.2	1.3	1.3				
2450		green auto brecciated rhyolite lava	128	244.8	1.6	1.6	0.01			
		pyrite, chalcopyrite impregnation and stringer	129	246	1.2	1.2				
		pyrite, chalcopyrite impregnation and stringer	130	246.5	0.5	0.5	tr			
		pyrite, chalcopyrite impregnation and stringer	131	247.2	0.8	0.8				
		pyrite, chalcopyrite impregnation and stringer	132	248.5	1.2	1.2	0.01			
2500			133	249.4	0.9	0.9				

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	Au %	Ag %	S %	
		auto brecciated rhyolite lava	134	250.6	1.1	1.1	0.02			
		pyrite, chalcopyrite impregnation	135	251.9	1.7	1.7				
		chalcopyrite pyrite stringer	136	254.0	1.5	1.5	0.01			
2550		auto brecciated green rhyolite	137	255.2	1.2	1.2				
		pyrite impregnation	138	256.6	1.0	1.6	0.02			
		green rhyolite tuff breccia (rhyolite breccia < 9cm)	139	258.0	1.2	1.2				
2600		compact sand stone	140	263.2	2.2	2.2	0.01			
		chalcopyrite, pyrite stringer silicification	141	261.6	1.1	1.1				
		green tuff breccia with silicified rock < 4cm rhyolite breccia < 3cm	142	262.5	0.9	0.1	0.01			
		pyrite impregnation	143	264.6	2.1	2.1				
2650		green tuff breccia	144	265.6	1.0	1.0	0.01			
		pyrite impregnation	145	266.5	0.9	0.9				
		amount decrease	146	268.2	1.7	1.7	0.03			
2700		auto brecciated green rhyolite	147	269.5	1.3	1.3				
		pyrite, chalcopyrite impregnation	148	271.8	2.3	2.3	0.01			
2735		pyrite (chalcopyrite) impregnation	149	272.7	0.9	0.9				
2750		pyrite (chalcopyrite) impregnation	150	273.5	0.8	0.8	0.03			
2755		pyrite (chalcopyrite) impregnation	151	275.5	1.5	2.0				
2785		vesicular rhyolite	152	276.5	0.7	1.0	0.01			
		pyrite (chalcopyrite) impregnation	153	276.9	0.9	0.9				
		pyrite (chalcopyrite) impregnation	154	277.9	1.0	1.0	0.01			
2800		auto brecciated green rhyolite	155	279.7	1.8	1.8				
		pyrite (chalcopyrite) impregnation	156	281.6	1.9	1.9	0.01			
		auto brecciated rhyolite	157	283.4	1.8	1.8				
2850		< 90° pyrite quartz vein w: 2cm	158	285.6	2.2	2.2	0.01			
		massive rhyolite	159	286.6	1.0	1.0				
		pyrite veinlet	160	288.7	2.1	2.1	tr			
		joint filling pyrite	161	289.6	0.9	0.9				
2900		massive rhyolite	162	290.4	0.8	0.8	0.01			
		pyrite irregular veinlet	163	291.4	1.0	1.0				
2914			164	292.4	0.54	0.8	0.02			
2921			165	292.6	0.12	0.2				
2926			166	293.0	0.1	0.4	tr			
2930			167	293.4	0.4	0.4				
			168	293.9	0.5	0.5	tr			
			169	294.2	0.3	0.3				
2950		massive rhyolite	170	295.3	1.1	1.1	0.01			
		pyrite impregnation	171	296.2	0.9	0.9				
		pyrite impregnation	172	297.2	1.0	1.0	tr			
		massive rhyolite	173	298.0	0.8	0.8				
		massive rhyolite	174	299.0	1.0	1.0	tr			
3000			175	301	2.0	2.0				

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.H.No.3(S30Q) Sheet 1
 Total Length 210 m Core Recovery 96.8 %
 Location Sobedang Elevation 81.0 m
 Direction Q Inclination - 90
 Date of Logging from 8 Feb to 20 Feb
 Logged by Molegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
 Prepared by MITSUBI KINZOKU ENGINEERING SERVICE CO., LTD

LEGEND

- Sand-stone
- Tuff, tuff, breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine of the top and coarse of the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)
- bi : biotite
- qtz : quartz
- w : width

Depth (m)	Particulars	Results of Chemical Analysis							
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
4.0	non core (rotary drilled)								
5.0	weathered porphyry with angular, pea-size xenolith	1	4.5	0.4	4.6	0.01	tr	tr	0.41
6.0	leached zone with Fe-oxide staining	2	6.0	0.8	1.5	0.02	tr	tr	0.23
7.0		3	7.5	0.9	1.5	0.06	tr	tr	0.05
9.0		4	9.0	1.4	1.5	0.03	tr	tr	0.01
10.6	weathered biotite porphyry	5	10.5	1.3	1.5	0.03	tr	tr	0.06
12.4	weak argillization (sericite?)	6	12	1.5	1.5	0.02	tr	tr	0.05
15.0	leached zone	7	13.5	1.0	1.5	0.02	tr	tr	0.06
15.3	chalcocite impregnation	8	15	0.9	1.5	0.01	tr	tr	0.05
16.1	argillized biotite quartz porphyry	9	16.5	1.1	1.5	0.13	tr	tr	2.41
17.0	heavy argillization	10	18	1.4	1.5	0.29	tr	tr	4.99
19.0	chalcocite stringer	11	19.5	1.4	1.5	0.40	tr	tr	0.71
20.0	highly argillized biotite quartz porphyry	12	21	1.3	1.5	0.42	tr	tr	3.17
22.5	argillized biotite quartz porphyry	13	22.5	1.6	1.5	0.24	tr	tr	1.08
24.1	chalcocite stringer	14	24	1.5	1.5	0.19	tr	tr	0.91
25.0	argillized biotite quartz porphyry	15	25.5	1.5	1.5	0.34	tr	tr	1.04
25.6	pyrite chalcocite impregnation	16	27	1.5	1.5	0.39	tr	tr	1.35
27.3	pyrite chalcocite impregnation	17	28.5	1.5	1.5	0.39	tr	tr	1.74
29.3		18	30	1.5	1.5	0.20	tr	tr	1.32
31.1	weakly argillized biotite quartz porphyry	19	31.5	1.3	1.5	0.21	tr	tr	1.32
33.0	pyrite chalcocite impregnation	20	33	1.5	1.5	0.32	tr	tr	1.31
33.7	brecciated biotite porphyry	21	33.5	1.5	1.5	0.46	tr	tr	1.47
34.5	white coloured, argillized biotite quartz porphyry	22	36.0	1.5	1.5	0.26	tr	tr	0.92
35.0	pyrite chalcocite impregnation	23	37.5	1.5	1.5	0.10	tr	tr	1.14
40.0	pale green coloured, silicified biotite quartz porphyry	24	39	1.5	1.5	0.02	tr	tr	1.53
45.0	brecciated, argillized biotite quartz porphyry	25	40.5	1.5	1.5	0.02	tr	tr	1.70
45.0	silicified and chloritized biotite quartz porphyry	26	42	1.6	1.5	tr	tr	tr	0.93
45.0	brecciated, argillized biotite quartz porphyry	27	43.5	1.5	1.5	0.02	tr	tr	1.67
45.0	silicified and chloritized biotite quartz porphyry	28	45	1.5	1.5	0.03	tr	tr	0.03
45.0	subrounded sandy rock xenolith	29	46.5	1.5	1.5	0.06	tr	tr	0.01
45.0		30	48	1.5	1.5	0.01	tr	tr	0.03
45.0		31	48.5	1.5	1.5	0.03	tr	tr	0.03

Depth (m)	Particulars	Results of Chemical Analysis							
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
53.9	silicified, chloritized biotite quartz porphyry	32	51	1.6	1.5	0.02	tr	tr	0.01
55.0	pyrite impregnation	33	52.5	1.5	1.5	0.01	tr	tr	0.01
56.2	silicified, chloritized biotite quartz porphyry	34	54	1.5	1.5	0.03	tr	tr	0.03
60.0	silicified, chloritized biotite quartz porphyry	35	55.5	0.9	1.5	0.01	tr	tr	0.01
60.0	silicified chloritized biotite quartz porphyry	36	57	1.3	1.5	0.03	tr	tr	0.03
60.0	impregnation of pyrite and little amount of chalcocite	37	58.5	1.5	1.5	0.01	tr	tr	0.01
60.0	silicified biotite quartz porphyry	38	60	1.5	1.5	0.02	tr	tr	0.02
65.0	feldspar-chloritized	39	61.5	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	40	63	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	41	64.5	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	42	66	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	43	67.5	1.5	1.5	0.05	tr	tr	0.05
65.0	pyrite-chalcocite impregnation	44	69	1.5	1.5	0.05	tr	tr	0.05
65.0	pyrite-chalcocite impregnation	45	70.5	1.5	1.5	0.05	tr	tr	0.05
65.0	pyrite-chalcocite impregnation	46	72	1.5	1.5	tr	tr	tr	tr
65.0	pyrite-chalcocite impregnation	47	73.5	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	48	75	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	49	76.5	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	50	78	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	51	79.5	1.5	1.5	0.04	tr	tr	0.04
65.0	pyrite-chalcocite impregnation	52	81	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	53	82.5	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	54	84	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	55	85.5	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	56	87	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	57	88.5	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	58	90	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	59	91.5	1.5	1.5	0.03	tr	tr	0.03
65.0	pyrite-chalcocite impregnation	60	93	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	61	94.5	1.5	1.5	0.01	tr	tr	0.01
65.0	pyrite-chalcocite impregnation	62	96	1.5	1.5	0.03	tr	tr	0.03
65.0	pyrite-chalcocite impregnation	63	97.5	1.5	1.5	0.02	tr	tr	0.02
65.0	pyrite-chalcocite impregnation	64	99	1.5	1.5	0.01	tr	tr	0.01

Depth (m)	Particulars	Results of Chemical Analysis							
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
103.9	white argillized, weakly silicified biotite quartz porphyry	65	100.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	66	102	1.5	1.5	0.08	tr	tr	0.08
103.9	pyrite impregnation	67	103.5	1.5	1.5	0.03	tr	tr	0.03
103.9	pyrite impregnation	68	105	1.5	1.5	0.04	tr	tr	0.04
103.9	pyrite impregnation	69	106.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	70	108	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	71	109.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	72	111	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	73	112.5	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	74	114	1.5	1.5	0.03	tr	tr	0.03
103.9	pyrite impregnation	75	115.5	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	76	117	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	77	118.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	78	120	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	79	121.5	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	80	123	1.5	1.5	0.16	tr	tr	0.16
103.9	pyrite impregnation	81	124.5	1.5	1.5	0.03	tr	tr	0.03
103.9	pyrite impregnation	82	126	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	83	127.5	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	84	129	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	85	130.5	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	86	132	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	87	133.5	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	88	135	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	89	136.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	90	138	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	91	139.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	92	141	1.5	1.5	0.03	tr	tr	0.03
103.9	pyrite impregnation	93	142.5	1.5	1.5	0.05	tr	tr	0.05
103.9	pyrite impregnation	94	144	1.5	1.5	0.02	tr	tr	0.02
103.9	pyrite impregnation	95	145.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	96	147	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	97	148.5	1.5	1.5	0.01	tr	tr	0.01
103.9	pyrite impregnation	98	150	1.5	1.5	0.01	tr	tr	0.01

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

DDH No. 4 (S 34 Q) Sheet 1
 Total Length 301.8 m Core Recovery 96.8%
 Location Sobeidung Elevation 81.0 m
 Direction 0 Inclination - 90
 Date of Logging from Feb. to Feb.
 Logged by Moteji

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
 Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD

LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)
- frag. : fragment
- w : width

Depth (m)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
5.0		no core							
7.4		pale grey lapilli tuff with silicified rock frag and pyrite ore fragments	1	7.5	1.1	7.5			
9.3		leached zone with limonite (violet, stain)	2	9.0	1.6	1.5	0.04	0.08	
10.0		pyrite ore fragments (1x2cm)	3	10.5	1.4	1.5			
12.3		Sandy tuff	4	12.0	1.5	1.5	0.05		
13.6		size grading weak silicification, argillization	5	13.5	1.5	1.5			
16.0		no core							
15.5		sandy tuff limonite	6	15.0	0.3	1.5	0.05		
16.8		30° grey graded tuff lapilli tuff	7	16.5	1.1	1.5			
18.5		leached zone	8	18.0	1.0	1.5	0.02		
20.0		sandy tuff	9	19.5	1.2	1.5			
21.5		blue-grey graded lapilli tuff with silicified, pyritized fragments (0.3-5cm)	10	21.0	1.5	1.5	0.03		
22.5		weak silicification	11	22.5	1.5	1.5			
25.0		tuff breccia white sandy tuff	12	24.0	1.5	1.5	0.04		
25.5		35° (bedding)	13	25.5	1.5	1.5			
28.6		massive lapilli tuff	14	27.0	1.5	1.5	0.02		
30.0		tuff breccia with silicified frag	15	28.5	1.5	1.5			
31.7		blue-grey tuff breccia with angular silicified, pyritized fragments	17	31.5	1.5	1.5			
34.7		150° fine grained sandy tuff	19	31.5	1.5	1.5			
35.0		weak silicification, argillization	20	36.0	1.5	1.5	0.03		
37.7		gray massive tuff	21	37.5	1.5	1.5			
39.6		pyrite veinlet w: 1cm	22	39.0	1.5	1.5	0.10		
40.9		lapilli tuff	23	40.5	1.5	1.5			
42.8		sandy tuff lapilli tuff	24	42.0	1.5	1.5	0.03		
43.5		20° pyrite veinlet w: 5mm	25	43.5	1.5	1.5			
45.0		sandy tuff of the top lapilli tuff of the bottom	26	45.0	1.5	1.5	0.04		
48.3		double grading	27	48.5	1.5	1.5			
50.0		lapilli tuff tuff breccia	29	49.5	1.5	1.5			

Depth (m)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
51.4		pyrite impregnation (rare)	30	51.0	1.5	1.5	0.04	1.44	
53.1		27° fine sandy tuff	31	52.5	1.5	1.5			
55.0		lapilli tuff	32	54.0	1.5	1.5	0.03		
55.0		20° sandy tuff							
56.8		gray massive tuff breccia with pyrite ore fragments (3x4cm)	33	55.5	1.5	1.5			
58.0		pyrite impregnation	34	57.0	1.5	1.5	0.06		
59.6		pyrite impregnation	35	58.5	1.5	1.5			
60.0		quartz veinlet	36	60.0	1.5	1.5	0.13		
61.6		blue-grey massive lapilli tuff with pyritized, silicified rock fragments (0.2-1cm)	37	61.5	1.5	1.5			
61.6		weak silicification and argillization	38	63.0	1.5	1.5	0.02		
65.0		42° fine sandy tuff	39	64.5	1.5	1.5			
65.0		lapilli tuff with pyritized fragments (2x3cm)	40	65.0	1.5	1.5	0.05		
67.6		50° fine sandy tuff	41	67.5	1.5	1.5			
70.0		gray massive lapilli tuff	42	69.0	1.5	1.5	0.06	1.75	
70.7		pyrite-chalcoite stringer 1mm	43	70.5	1.5	1.5			
73.7		massive lapilli tuff with pyritized fragments	44	72.0	1.5	1.5	0.03		
75.0		45° fine sandy tuff	45	73.5	1.5	1.5			
75.0		sandy tuff	46	75.0	1.5	1.5	0.02		
76.6		massive lapilli tuff with angular silicified fragments	47	76.5	1.5	1.5			
79.6		pyrite impregnation rarely	48	78.0	1.5	1.5	0.03		
80.0		massive lapilli tuff with irregular mud patches	49	79.5	1.5	1.5			
82.6		pyrite, hematite impregnation	51	82.5	1.5	1.5			
86.0		massive lapilli tuff	53	85.5	1.5	1.5			
87.2		chalcoite-coated pyrite impregnation	54	87.0	1.5	1.5	0.10		
88.0		20° pyrite-chalcoite stringer 1mm	55	88.5	1.5	1.5			
90.0		hematite impregnation	56	90.0	1.5	1.5	0.04	1.73	
91.8		lapilli tuff with pyritized rock fragments	57	91.5	1.5	1.5			
94.4		30° fine sandy tuff	58	93.0	1.5	1.5	0.04		
94.4		lapilli tuff with pyritized rock fragments	59	94.5	1.5	1.5			
96.0		45° pyrite veinlet w: 5mm	60	95.0	1.5	1.5	0.02		
97.5		alternation of blue-grey lapilli tuff and grey sandy tuff with pisolite	61	97.5	1.5	1.5			
98.8		weak silicification	62	99.0	1.5	1.5	0.08		
100.0		45° pyrite veinlet							

Depth (m)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
100.2		w: 13mm	63	100.5	1.5	1.5			
101.6		alternation of lapilli tuff and sandy tuff	64	102.0	1.5	1.5	0.06	2.00	
103.9		pyrite impregnation on argillization	65	103.5	1.5	1.5			
105.0		chalcoite-coated pyrite impregnation	66	105.0	1.5	1.5	0.04		
106.6		lapilli tuff with angular to subangular silicified rock fragments (0.3-3cm)	67	106.5	1.5	1.5			
107.3		weak silicification pyrite, chalcoite impregnation	68	108.0	1.5	1.5	0.06		
110.0		massive lapilli tuff	69	110.5	1.5	1.5			
110.4		pyrite impregnation	70	111.0	1.5	1.5	0.03	2.01	
113.4		massive lapilli tuff with pyritized rock fragments	71	112.5	1.5	1.5			
115.0		brecciation and argillization	72	114.0	1.5	1.5	0.02		
116.5		pyrite impregnation hematite impregnation	73	115.5	1.5	1.5			
119.5		massive lapilli tuff with pyritized rock fragments	74	117.0	1.5	1.5	0.03		
120.0		pyrite impregnation (rare)	75	118.5	1.5	1.5			
121.8		blue-grey massive lapilli tuff with angular to sub-rounded rock fragments (0.2-3cm)	76	120.0	1.5	1.5	0.03		
121.8		weak silicification	77	121.5	1.5	1.5			
123.0		massive lapilli tuff	78	123.0	1.5	1.5	0.03		
124.5		massive lapilli tuff	79	124.5	1.5	1.5			
126.0		fine grained sandy tuff	80	126.0	1.5	1.5	0.03		
127.8		massive lapilli tuff	81	127.5	1.5	1.5			
130.0		massive lapilli tuff	82	129.0	1.5	1.5	0.02		
130.6		fine grained sandy tuff	83	130.5	1.5	1.5			
132.0		pyrite impregnation	84	132.0	1.5	1.5	0.03	2.72	
133.7		lapilli tuff	85	133.5	1.5	1.5			
135.0		sandy tuff	86	135.0	1.5	1.5	0.03		
136.0		lapilli tuff with pyrite ore fragments	87	136.5	1.5	1.5			
136.0		fine grained sandy tuff	88	138.0	1.5	1.5	0.05		
140.0		20° hematite stringer 1mm	89	139.5	1.5	1.5			
140.6		biotite porphyry	90	141.0	1.5	1.5	0.04		
142.5		hematite stringer and hematite > pyrite heavy impregnation	91	142.5	1.5	1.5			
144.0		alternation of lapilli tuff and fine tuff	92	144.0	1.5	1.5	0.08		
145.0		hematite > pyrite impregnation	93	145.5	1.5	1.5			
147.0		alternation	94	147.0	1.5	1.5	0.04		
148.0			95	148.0	1.5	1.5			
150.0			96	150.0	1.5	1.5	0.03	2.68	

GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

CORE LOG and ASSAY

D.D.H. No. 4 (S. 310) Sheet 2
Total Length 301.8 m Core Recovery 96.8%
Location Sabodung Elevation 84.0 m
Direction 0 Inclination - 90
Date of Logging from 6 Feb. to 21 Feb.
Logged by Moleg

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY,
GOVERNMENT OF JAPAN
SEPTEMBER 1973
Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

- Sandstone
 - Tuff, tuff breccia
 - Hornblende-biotite porphyry
 - Rhyolite
 - Brecciation
 - Size grading (fine at the top and coarse at the base)
 - Inclination of plane structures (bedding plane, intrusive boundary etc.)
- w : width

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No.	Depth (m)	Core Length (m)	Sample Length (m)	Cu %	Ag %	As %	S %
97	△	alternation of fine tuff and > lapilli tuff	97	151.5	1.5	1.5				
98	△	grey-blue grey pyrite impregnation	98	153.0	1.5	1.5	0.03			
99	△		99	154.5	1.5	1.5				
100	△	massive lapilli tuff with sub-angular to sub-rounded fragments of rhyolite frag < 5mm (pumice < 5mm)	100	156.0	1.5	1.5	0.03			
101	△		101	157.5	1.5	1.5				
102	△		102	159.0	1.5	1.5	0.06			
103	△	massive lapilli tuff	103	160.5	1.5	1.5				
104	△		104	162.0	1.5	1.5	0.03			
105	△		105	163.5	1.5	1.5				
106	△		106	165.0	1.5	1.5	0.03			
107	△		107	166.5	1.5	1.5				
108	△		108	168.0	1.5	1.5	0.01			
109	△		109	169.5	1.5	1.5				
110	△	graded tuff fine tuff at the top facies lapilli tuff at the bottom	110	171.0	1.5	1.5	0.12		3.43	
111	△		111	172.5	1.5	1.5				
112	△	lapilli silicified, pyritized rock, rhyolite and argillized pumice	112	174.0	1.5	1.5	0.03			
113	△	one flow unit 2-4m thick	113	175.5	1.5	1.5				
114	△		114	177.0	1.5	1.5	0.04			
115	△		115	178.5	1.5	1.5				
116	△		116	180.0	1.5	1.5	0.02			
117	△		117	181.5	1.5	1.5				
118	△		118	183.0	1.5	1.5	0.03			
119	△		119	184.5	1.5	1.5				
120	△		120	186.0	1.5	1.5	0.07			
121	△		121	187.5	1.5	1.5				
122	△		122	189.0	1.5	1.5	0.04			
123	△		123	190.5	1.5	1.5				
124	△		124	192.0	1.5	1.5	0.04		182	
125	△		125	193.5	1.5	1.5				
126	△		126	195.0	1.5	1.5	0.08			
127	△		127	196.5	1.5	1.5				
128	△		128	198.0	1.5	1.5	0.02			
129	△		129	199.5	1.5	1.5				

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No.	Depth (m)	Core Length (m)	Sample Length (m)	Cu %	Ag %	As %	S %
130	△	pyrite impregnation	130	201.0	1.5	1.5	0.08			
131	△		131	202.5	1.5	1.5				
132	△	lapilli tuff with silicified, pyritized rock fragments	132	204.0	1.5	1.5	0.05			
133	△		133	205.5	1.5	1.5				
134	△	pyritized rock fragments	134	207.0	1.5	1.5	0.09			
135	△		135	208.5	1.5	1.5				
136	△	pyrite ore fragments	136	210.0	1.5	1.5	0.07		4.70	
137	△		137	211.5	1.5	1.5				
138	△	alternation of fine sandy tuff and lapilli tuff with psalite	138	213.0	1.5	1.5	0.03			
139	△		139	214.5	1.5	1.5				
140	△	lapilli tuff with pyritized fragments (0.5cm)	140	216.0	1.5	1.5	0.06			
141	△		141	217.5	1.5	1.5	0.02	fr	fr	3.63
142	△	lapilli tuff with pyrite ore fragments	142	219.0	1.5	1.5	0.08	fr	fr	1.63
143	△		143	220.5	1.5	1.5	1.47	fr	fr	11.50
144	△	sandy lapilli tuff with pyritized, silicified fragments (3x2cm)	144	222.0	1.5	1.5	0.17	fr	fr	2.69
145	△		145	223.5	1.5	1.5	0.13	fr	fr	4.36
146	△	lapilli tuff	146	225.0	1.5	1.5	0.04	fr	fr	1.64
147	△		147	226.5	1.5	1.5	0.06	fr	fr	1.56
148	△		148	228.0	1.5	1.5	0.07	fr	fr	1.46
149	△		149	229.5	1.5	1.5	0.02	fr	fr	1.65
150	△	lapilli tuff with angular silicified fragments	150	231.0	1.5	1.5	0.05	fr	fr	1.81
151	△		151	232.5	1.5	1.5	0.06	fr	fr	3.62
152	△		152	234.0	1.5	1.5	0.19	fr	fr	3.27
153	△		153	235.5	1.5	1.5				
154	△		154	237.0	1.5	1.5	0.18			
155	△		155	238.5	1.5	1.5				
156	△		156	240.0	1.5	1.5	0.18			
157	△	blue-grey lapilli tuff with fine tuff band	157	241.5	1.5	1.5				
158	△	fungular frag < 1cm	158	243.0	1.5	1.5	0.06			
159	△		159	244.5	1.5	1.5				
160	△	lapilli tuff with fine tuff band	160	246.0	1.5	1.5	0.15			
161	△		161	247.5	1.5	1.5				
162	△		162	249.0	1.5	1.5	0.10	fr	fr	1.86

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No.	Depth (m)	Core Length (m)	Sample Length (m)	Cu %	Ag %	As %	S %
163	△	angular frag < 2cm	163	250.5	1.5	1.5	0.10	fr	fr	3.28
164	△	blue grey fine tuff	164	252.0	1.5	1.5	0.18	fr	fr	1.92
165	△		165	253.5	1.5	1.5	0.26	fr	fr	2.56
166	△		166	255.0	1.5	1.5	0.23	fr	fr	2.91
167	△	grey fine tuff	167	256.5	1.5	1.5	0.47	fr	fr	5.56
168	△		168	258.0	1.5	1.5	0.13	fr	fr	2.49
169	△		169	259.5	1.5	1.5	0.21	fr	fr	3.12
170	△	grey fine tuff with silicified rock fragments (0.5x1cm)	170	261.0	1.5	1.5	0.20	fr	fr	2.41
171	△		171	262.5	1.5	1.5	0.13	fr	fr	2.36
172	△	grey fine tuff with psalite	172	264.0	1.5	1.5	0.09	fr	fr	2.36
173	△		173	265.5	1.5	1.5	0.15	fr	fr	3.09
174	△	grey sandy tuff with pyritized, silicified fragments	174	267.0	1.5	1.5	0.63	fr	fr	12.0
175	△		175	268.5	1.5	1.5	0.28	fr	fr	9.05
176	△		176	270.0	1.5	1.5	0.28	fr	fr	12.0
177	△	lapilli tuff with angular and silicified rock fragments (2-3cm)	177	271.5	1.5	1.5	0.07	fr	fr	5.30
178	△		178	273.0	1.5	1.5	0.06	fr	fr	5.56
179	△		179	274.5	1.5	1.5				
180	△	blue grey lapilli tuff with silicified, pyritized rock fragments (< 2cm)	180	276.0	1.5	1.5	0.06			
181	△		181	277.5	1.5	1.5				
182	△	massive lapilli tuff	182	279.0	1.5	1.5	0.08			
183	△		183	280.5	1.5	1.5				
184	△		184	282.0	1.5	1.5	0.07			
185	△	lapilli tuff with silicified rock fragments (< 1cm)	185	283.5	1.5	1.5				
186	△		186	285.0	1.5	1.5	0.01			
187	△		187	286.5	1.5	1.5				
188	△	biotite porphyry chilled margin w: 2cm	188	288.0	1.5	1.5	0.02			
189	△		189	289.5	1.5	1.5				
190	△	lapilli tuff	190	291.0	1.5	1.5	0.05		1.36	
191	△		191	292.5	1.5	1.5				
192	△		192	294.0	1.5	1.5	0.05			
193	△		193	295.5	1.5	1.5				
194	△		194	297.0	1.5	1.5	0.05			
195	△	biotite porphyry chilled margin w: 2cm feldspar phenocryst < 8mm	195	298.5	1.5	1.5				
196	△		196	300.0	1.5	1.5	0.03			

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.H No.5(K13G) Sheet _____
 Total Length 400.3 m Core Recovery 97.6%
 Location Kytsindawg Elevation 109.0 m
 Direction _____ Inclination -90
 Date of Logging from 22 Feb. to 28 Mar.
 Logged by Molegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973

Prepared by MITSUBI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

Depth (m)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	Ag %	As %	S %	
3.0		highly weathered rhyolitic tuff breccia with silicified rock fragments (< 6cm)	1	5.5	1.5	1.5				
6.9		breccia 7; matrix 3	2	6.0	1.4	1.5	0.02	tr	tr	0.13
9.2		sandy tuff with pisolite	3	7.5	1.3	1.5				
10.0		coarse grained tuff	4	9.0	1.2	1.5	0.04			
12.3		tuff breccia with silicified rock fragments (< 2.5cm)	5	10.5	1.4	1.5				
15.0		massive sandy tuff	6	12.0	1.4	1.5	0.02	tr	tr	0.03
18.3		tuff breccia with silicified rock fragments (< 2.5cm)	7	13.6	1.5	1.5				
20.0		massive coarse grained tuff	8	15.0	1.5	1.5	0.02			
21.4		tuff breccia with silicified rock fragments (< 2.5cm)	9	16.5	1.5	1.5				
25.0		tuff breccia with silicified rock fragments (< 3cm)	10	18.0	1.5	1.5	0.02	tr	tr	0.02
25.0		tuff breccia with silicified rock fragments (< 3cm)	11	19.5	1.5	1.5				
30.0		lapilli tuff	12	21.0	1.5	1.5	0.03			
32.1		lapilli tuff with pyritized fragments and rhyolitic fragments	13	22.5	1.5	1.5				
35.0		massive lapilli tuff	14	24.0	1.5	1.5	0.02	tr	tr	0.03
36.2		gray massive fine grained (muddy) tuff with pisolites	15	25.5	1.5	1.5				
40.0		rhyolitic tuff breccia with silicified, pyritized fragments (< 2cm)	16	27.0	1.5	1.5	0.05			
45.0		gray fine grained tuff with slumped muddy layer	17	28.5	1.5	1.5				
50.0		coarse grained tuff with silicified, pyritized fragments (< 2cm)	18	30.0	1.5	1.5	0.02	tr	tr	0.02
55.0		massive coarse grained tuff	19	31.5	1.5	1.5				
60.0		massive coarse grained tuff	20	33.0	1.5	1.5	0.02			
65.0		massive coarse grained tuff	21	34.5	1.4	1.5				
70.0		massive coarse grained tuff	22	36.0	1.5	1.5	0.03	tr	tr	1.09
75.0		massive coarse grained tuff	23	37.5	1.5	1.5				
80.0		massive coarse grained tuff	24	39.0	1.5	1.5	0.02			
85.0		massive coarse grained tuff	25	40.5	1.5	1.5				
90.0		massive coarse grained tuff	26	42.0	1.5	1.5	0.03	tr	tr	1.27
95.0		massive coarse grained tuff	27	43.5	1.5	1.5				
100.0		massive coarse grained tuff	28	45.0	1.6	1.5	0.03			
105.0		massive coarse grained tuff	29	46.5	1.5	1.5				
110.0		massive coarse grained tuff	30	48.0	1.5	1.5	0.02	tr	tr	1.17
115.0		massive coarse grained tuff	31	49.5	1.5	1.5				

Depth (m)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	Ag %	As %	S %	
30.0		gray massive fine grained tuff with pisolites and pyritized fragments	32	51.0	1.5	1.5	0.04			
35.0		massive tuff breccia (breccia < 5cm)	33	52.5	1.5	1.5				
40.0		massive coarse grained tuff	34	54.0	1.5	1.5	0.09	tr	tr	2.16
45.0		massive coarse grained tuff	35	55.5	1.5	1.5				
50.0		massive coarse grained tuff	36	57.0	1.5	1.5	0.03			
55.0		massive coarse grained tuff	37	58.5	1.5	1.5				
60.0		massive coarse grained tuff	38	60.0	1.5	1.5	0.04	tr	tr	2.09
65.0		massive coarse grained tuff	39	61.5	1.5	1.5				
70.0		massive coarse grained tuff	40	63.0	1.5	1.5	0.03			
75.0		massive coarse grained tuff	41	64.5	1.5	1.5				
80.0		massive coarse grained tuff	42	66.0	1.5	1.5	0.03	tr	tr	1.59
85.0		massive coarse grained tuff	43	67.5	1.5	1.5				
90.0		massive coarse grained tuff	44	69.0	1.5	1.5	0.03			
95.0		massive coarse grained tuff	45	70.5	1.5	1.5				
100.0		massive coarse grained tuff	46	72.0	1.5	1.5	0.03	tr	tr	1.61
105.0		massive coarse grained tuff	47	73.5	1.5	1.5				
110.0		massive coarse grained tuff	48	75.0	1.5	1.5	0.06			
115.0		massive coarse grained tuff	49	76.5	1.5	1.5				
120.0		massive coarse grained tuff	50	78.0	1.5	1.5	0.04	tr	tr	1.73
125.0		massive coarse grained tuff	51	79.5	1.5	1.5				
130.0		massive coarse grained tuff	52	81.0	1.5	1.5	0.03			
135.0		massive coarse grained tuff	53	82.5	1.5	1.5				
140.0		massive coarse grained tuff	54	84.0	1.5	1.5	0.03	tr	tr	1.88
145.0		massive coarse grained tuff	55	85.5	1.5	1.5				
150.0		massive coarse grained tuff	56	87.0	1.5	1.5	0.03			
155.0		massive coarse grained tuff	57	88.5	1.5	1.5				
160.0		massive coarse grained tuff	58	90.0	1.5	1.5	0.02	tr	tr	1.50
165.0		massive coarse grained tuff	59	91.5	1.5	1.5				
170.0		massive coarse grained tuff	60	93.0	1.5	1.5	0.03			
175.0		massive coarse grained tuff	61	94.5	1.5	1.5				
180.0		massive coarse grained tuff	62	96.0	1.5	1.5	0.03	tr	tr	1.73
185.0		massive coarse grained tuff	63	97.5	1.5	1.5				
190.0		massive coarse grained tuff	64	99.0	1.5	1.5	0.02			

Depth (m)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Core Depth	Sample Length	Cu %	Ag %	As %	S %	
105.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments	65	100.5	1.5	1.5	0.04	tr	tr	1.97
110.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	66	102.0	1.5	1.5	0.04	tr	tr	1.97
115.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	67	103.5	1.5	1.5				
120.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	68	105.0	1.5	1.5	0.04			
125.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	69	106.5	1.5	1.5				
130.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	70	108.0	1.5	1.5	0.04	tr	tr	2.04
135.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	71	109.5	1.5	1.5				
140.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	72	111.0	1.5	1.5	0.03			
145.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	73	112.5	1.5	1.5				
150.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	74	114.0	1.5	1.5	0.04	tr	tr	1.83
155.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	75	115.5	1.5	1.5				
160.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	76	117.0	1.5	1.5	0.03			
165.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	77	118.5	1.5	1.5				
170.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	78	120.0	1.5	1.5	0.03	tr	tr	1.66
175.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	79	121.5	1.5	1.5				
180.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	80	123.0	1.5	1.5	0.04			
185.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	81	124.5	1.5	1.5				
190.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	82	126.0	1.5	1.5	0.03	tr	tr	1.66
195.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	83	127.5	1.5	1.5				
200.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	84	129.0	1.5	1.5	0.03			
205.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	85	130.5	1.5	1.5				
210.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	86	132.0	1.5	1.5	0.06	tr	tr	1.44
215.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	87	133.5	1.5	1.5				
220.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	88	135.0	1.5	1.5	0.01			
225.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	89	136.5	1.5	1.5				
230.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	90	138.0	1.5	1.5	tr	tr	tr	0.18
235.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	91	139.5	1.5	1.5				
240.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	92	141.0	1.5	1.5	0.02			
245.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	93	142.5	1.5	1.5				
250.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	94	144.0	1.5	1.5	0.01	tr	tr	0.71
255.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	95	145.5	1.5	1.5				
260.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	96	147.0	1.5	1.5				
265.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	97	148.5	1.5	1.5	0.03			
270.0		massive coarse grained tuff with pyrite ore fragments and silicified rock fragments (< 6cm)	98	150.0	1.5	1.5	0.02	tr	tr	1.43

GEOLOGICAL SURVEY OF
MADAYA AREA, UNION OF BURMA
PHASE I

CORE LOG and ASSAY

DD.H.No.5(K13G) Sheet 2
Total Length 400.3 m Core Recovery 97.6%
Location Kytalindang Elevation 109.0 m
Direction Inclination 90
Date of Logging from 22 Feb. to 28 Mar.
Logged by Molegi

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SEPTEMBER 1973

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

- Sandstone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

Depth (m)	Particulars	Results of Chemical Analysis						
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
150.0	weak silicification							
153.7	brecciated porphyry feldspar altered to chlorite	99	151.5	1.5	1.5			
155.0		100	153.0	1.5	1.5	0.01		
156.0		101	151.5	1.5	1.5			
156.0		102	156.0	1.5	1.5	1.5		
160.0	(brown biotite 3mm black biotite 1mm) fine grained pyrite impregnation in biotite relict	104	159.0	1.5	1.5	0.01		
160.0		105	160.5	1.5	1.5			
165.0	brecciated chloritized porphyry weak argillization	106	152.0	1.5	1.5	0.02		
165.0		107	163.5	1.5	1.5			
165.0	brecciated chloritized porphyry	108	165.0	1.5	1.5	0.01		
165.0		109	165.5	1.5	1.5			
170.0	gray rhyolite tuff with pyrite ore fragments weak silicification hematites ore a few	110	168.0	1.5	1.5	0.03		
170.0		111	169.5	1.5	1.5			
170.0		112	171.0	1.5	1.5	0.02		
173.7		113	172.5	1.5	1.5			
175.0		114	173.0	1.5	1.5	0.01		
176.2	dark gray massive tuff	115	173.5	1.5	1.5			
176.2	dark gray massive tuff	116	177.0	1.5	1.5	0.02		
180.0	dark gray massive tuff weak silicification	117	178.5	1.5	1.5			
180.0		118	180.0	1.5	1.5	0.01		
181.0	sandy tuff - very coarse grained sandstone weak silicification	119	181.5	1.5	1.5			
181.0		120	183.0	1.5	1.5	0.01		
185.0	gray massive tuff - very coarse grained sandstone pyrite not observed	121	181.5	1.5	1.5			
185.0		122	186.0	1.5	1.5	0.03		
185.0		123	187.5	1.5	1.5			
185.0		124	189.0	1.5	1.5	0.02		
190.0	gray massive tuff - very coarse grained sandstone pyrite not observed	125	190.6	1.5	1.5			
190.0		126	192.0	1.5	1.5	0.01		
193.0	tuff breccia breccia 1 ~ 2cm weak argillization	127	193.5	1.5	1.5			
195.0		128	195.0	1.5	1.5	0.01		
195.0	gray coarse grained tuff - lapilli tuff weak silicification	129	196.5	1.5	1.5			
198.1		130	198.0	1.2	1.5	0.06		
200.0		131	199.5	1.4	1.5			

Depth (m)	Particulars	Results of Chemical Analysis						
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
200.0		132	201.0	1.6	1.5	0.03		
200.0		133	202.5	1.5	1.5			
200.0	dark gray coarse grained tuff weak silicification pyrite impregnation	134	204.0	1.5	1.5	0.06		
205.0		135	205.5	1.5	1.5			
205.0	dark gray coarse tuff weak silicification	136	207.0	1.6	1.6	0.03		
205.0		137	208.5	1.6	1.5			
210.0	massive gray tuffaceous sandstone	138	210.0	1.5	1.5	0.04		
210.0	gray massive tuff - coarse grained sandstone	139	211.5	1.5	1.5			
213.0	gray massive sandy tuff	140	213.0	1.5	1.5	0.06		
215.0		141	214.5	1.5	1.6			
215.0	massive sandy tuff pyrite impregnation	142	216.0	1.5	1.5	0.08		
215.0		143	217.5	1.5	1.5			
220.0	massive sandy tuff pyrite few	144	219.0	1.5	1.5	0.05		
220.0	dark gray muddy tuff weak argillization	145	220.5	1.5	1.5			
221.7	gray coarse grained sandy tuff	146	222.0	1.6	1.5	0.07		
225.0		147	223.5	1.5	1.6			
225.0		148	225.0	1.5	1.5	0.10		
225.1	lapilli tuff breccia < 2cm argillization	149	226.5	1.5	1.5			
225.2	gray massive sandy tuff	150	228.0	1.5	1.5	0.09		
230.0	gray massive sandy tuff pyrite not exist	151	229.5	1.6	1.5			
230.0		152	231.0	1.5	1.5	0.13		
235.0	gray massive sandy tuff	153	232.5	1.5	1.5			
235.0		154	234.0	1.5	1.5	0.06		
235.0	gray massive sandy tuff	155	235.5	1.5	1.5			
235.0		156	237.0	1.5	1.5	0.06		
240.0		157	238.5	1.5	1.5			
240.0		158	240.0	1.5	1.5	0.08		
240.7	brecciated sandy tuff argillization	159	241.5	1.5	1.5			
241.3	gray massive sandy tuff pyrite impregnation	160	243.0	1.5	1.5	0.06		
245.0	gray massive sandy tuff pyrite few	161	244.5	1.5	1.5			
245.0		162	246.0	1.5	1.5	0.06		
245.0		163	247.5	1.5	1.5			
250.0		164	249.0	1.5	1.5	0.06		

Depth (m)	Particulars	Results of Chemical Analysis						
		Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
255.0	gray massive medium grained sandy tuff fine grained cubic pyrite impregnation	165	250.5	1.5	1.5	0.06		
255.0		166	252.0	1.5	1.5			
255.0	laminated fine tuff gray medium grained sandstone	167	253.5	1.5	1.5			
258.0	biotite quartz porphyry	168	255.0	1.5	1.5	0.12		
258.0		169	256.5	1.5	1.5			
258.0	rhyolite tuff breccia weak argillization	170	258.0	1.5	1.5	0.07		
260.0	breccia < 2cm	171	259.5	1.5	1.5			
260.0	thinly laminated sandstone weak silicification pyrite impregnation	172	261.0	1.6	1.5	0.04		
260.0		173	262.5	1.5	1.5			
265.0	laminated medium grained tuffaceous sandstone	174	264.0	1.5	1.5	0.12		
265.0		175	265.5	1.5	1.5			
265.0		176	267.0	1.5	1.5	0.08		
265.0		177	268.5	1.5	1.5			
270.0	tuff breccia with silicified rock fragments silicified rock fragments < 5cm gray massive tuff with slumped mud patches	178	270.0	1.5	1.5	0.07		
270.0		179	271.5	1.5	1.5			
270.0		180	273.0	1.5	1.5	0.08		
275.0		181	274.5	1.5	1.5			
275.0		182	276.0	1.5	1.5	0.06		
277.2	quartz porphyry with chilled margin argillized zone pyrite veinlet	183	277.5	1.5	1.5			
277.4		184	279.0	1.5	1.5	1.18		
280.0	gray tuff breccia with silicified rock fragments and pyrite ore fragments	185	280.5	1.5	1.5			
280.0	breccia < 1cm porphyritic rhyolite breccia < 4cm	186	282.0	1.5	1.5	0.03		
280.0		187	283.5	1.5	1.5			
285.0		188	285.0	1.5	1.5	0.02		
285.0		189	286.5	1.5	1.5			
286.6	pale green biotite feldspar quartz porphyry biotite altered to brown relict	190	288.0	1.5	1.5	0.02		
286.6	gray tuff breccia breccia: green rhyolite and silicified rock	191	289.5	1.5	1.5			
289.7	massive gray tuff breccia matrix: dark gray tuff with argillized pumice breccia: porphyritic rhyolite, silicified rock and pyrite ore fragments	192	291.0	1.5	1.5	0.02		
290.0		193	292.5	1.5	1.5			
290.0		194	294.0	1.5	1.5	0.03		
295.0		195	295.5	1.5	1.5			
296.0	massive gray tuff breccia matrix: dark gray tuff breccia: argillized rhyolite weak silicification and a few pyrite impregnation	196	297.0	1.5	1.5	0.03		
296.0		197	298.5	1.5	1.5			
300.0		198	300.0	1.5	1.5	0.04		

GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

CORE LOG and ASSAY

D.D.H. No. 5 (K13G) Sheet 3
Total Length 400.3 m Core Recovery 97.6%
Location Kyisindaung Elevation 109.0 m
Direction Inclusion - 90
Date of Logging from 22 Feb. to 28 Mar.
Logged by Moleg

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

Depth (m)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Ag	% S
199	L	brecciated porphyritic rhyolite (matrix: dark gray coloured breccia; porphyritic rhyolite <10cm) coverage of breccia 70%	199	301.8	1.5	1.8			
200	L		200	303.0	1.5	1.5	0.02		
201	L		201	304.8	1.5	1.5			
202	L	massive gray tuff breccia	202	306.0	1.5	1.5	0.02		
203	L		203	307.6	1.5	1.5			
204	L		204	309.0	1.5	1.5	0.03		
205	L	massive gray tuff breccia	205	310.5	1.5	1.5			
206	L		206	312.0	1.5	1.5	0.03		
207	L		207	313.5	1.5	1.5			
208	L	massive gray tuff breccia	208	315.0	1.5	1.5	0.04		
209	L		209	316.5	1.5	1.5			
210	L		210	318.0	1.5	1.5	0.03		
211	L	biotite feldspar quartz porphyry	211	319.5	1.5	1.5			
212	L	grey tuff breccia	212	321.0	1.5	1.5	tr		
213	L	pale green rhyolite weak silicification	213	322.5	1.5	1.5			
214	L	biotite relict; brown, 1mm hematite; abundant in matrix	214	324.0	1.5	1.5	0.02		
215	L	pale green rhyolite	215	325.5	1.5	1.5			
216	L	biotite relict; brown, 1mm feldspar; altered to chlorite	216	327.0	1.5	1.5	tr		
217	L	few pyrite impregnation	217	328.5	1.5	1.5			
218	L	tophill tuff	218	330.0	1.5	1.5	0.01		
219	L	lapilli tuff with pyrite ore frag, silicified rock frag and quartz porphyry breccia matrix; dark gray coloured breccia; <1cm	219	331.6	1.5	1.5			
220	L		220	333.0	1.5	1.5	0.02		
221	L	white argillized rhyolite Qtz-kentite-sericite are determined by x-ray; low pyrite impregnation	221	334.5	1.5	1.5			
222	L	gray tuff breccia with psilite and calcite druse	222	336.0	1.5	1.5	0.07		
223	L	white argillized rhyolite	223	337.5	1.5	1.5			
224	L	light gray massive tuff breccia with rhyolite breccia (rhyolite breccia <10cm)	224	339.0	1.5	1.5	0.03		
225	L		225	340.5	1.5	1.5			
226	L		226	342.0	1.5	1.5	0.04		
227	L		227	343.5	1.5	1.5			
228	L		228	345.0	1.5	1.5	0.05		
229	L		229	346.5	1.5	1.5			
230	L	tuffaceous sand stone	230	348.0	1.5	1.5	0.03		
231	L	gray massive tuff breccia	231	349.5	1.5	1.5			

Depth (m)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Ag	% S
232	L	(with silicified rock frag, pyrite ore frag and rhyolite breccia)	232	351.0	1.5	1.5	0.01		
233	L	auto brecciated rhyolite	233	352.5	1.5	1.5			
234	L	with chloritized feldspar phenocryst	234	354.0	1.5	1.5	0.03		
235	L	auto brecciated rhyolite	235	355.5	1.5	1.5			
236	L		236	357.0	1.5	1.5	0.05		
237	L	massive pale green rhyolite	237	358.5	1.5	1.5			
238	L		238	360.0	1.5	1.5	0.03		
239	L		239	361.5	1.5	1.5			
240	L	auto brecciated rhyolite argillization	240	363.0	1.5	1.5	0.04		
241	L	tuffaceous sandstone with 15% pumice grain	241	364.5	1.5	1.5			
242	L	120% pumice grain 5mm pyrite; common, calcopyrite, rare; energite is observed under microscope	242	366.0	1.5	1.5	0.16		
243	L	tuff breccia with rhyolite breccia, silicified rock frag, and pyrite ore fragments; rhyolite breccia <3cm, angular, silicified rock frag and pyrite ore fragments <2m	243	367.5	1.5	1.5			
244	L	weak argillization	244	369.0	1.5	1.5	0.05		
245	L		245	370.5	1.5	1.5			
246	L		246	372.0	1.5	1.5	0.03		
247	L	rhyolite tuff breccia	247	373.5	1.5	1.5			
248	L		248	375.0	1.5	1.5	0.02		
249	L		249	376.5	1.5	1.5			
250	L	brecciated light gray ~gray green biotite porphyry weak silicification	250	378.0	1.5	1.5	0.01		
251	L		251	379.5	1.5	1.5			
252	L	massive biotite porphyry	252	381.0	1.5	1.5	0.02		
253	L		253	382.5	1.5	1.5			
254	L		254	384.0	1.5	1.5	0.01		
255	L	weak silicification	255	385.5	1.5	1.5			
256	L		256	387.0	1.5	1.5	0.03		
257	L	clastic dyke of dark muddy tuff with silicified rock fragments, pyrite ore fragments and silicified rock fragments <3cm; chatopyrite, energite tetrahedrite are observed under microscope	257	388.5	1.5	1.5			
258	L	auto-brecciated light gray ~gray green biotite quartz porphyry	258	390.0	1.5	1.5	0.03		
259	L	feldspar altered to monzonite	259	391.5	1.5	1.5			
260	L		260	393.0	1.5	1.5	tr		
261	L	biotite quartz porphyry	261	394.5	1.5	1.5			
262	L		262	396.0	1.5	1.5	0.02		
263	L	clastic dyke width: 6-30mm	263	397.5	1.5	1.5			
264	L	clastic dyke of dark muddy tuff with subangular frag of biotite porphyry	264	399.0	1.5	1.5	tr		

Depth (m)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Ag	% S
400.3		END							

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.H No.6 (K16G) Sheet 1
 Total Length 201.6 m Core Recovery 93.4 %
 Location Kyisickuang Elevation 120.0 m
 Direction Inclinaton -90°
 Date of Logging from 22 Feb. to 8 Mar.
 Logged by Matsui

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD

LEGEND

- Sand-stone
- Tuff, tuff breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (line at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

frag. : fragment

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis								
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Ag	% Au	% S	
1		tuff breccia (brown silicified breccia)	1	3.5	2.3	3.5	0.10				
5.0		fine grain tuff with muddy fragments	2	5.0	1.3	2.0	0.05				
6.6		sorted tuff with silicified rock fragments <1cm	3	6.5	1.0	1.5	0.09				
9.7	35°		4	8.0	1.3	1.5	0.05				
10.0			5	9.5	1.3	1.5	0.10				
12.5			6	11.0	1.5	1.5	0.01				
14.3			7	12.5	1.5	1.5	0.10				
15.0		woolly graded tuff breccia with silicified rock fragments <2cm	8	14.0	1.1	1.5	0.05				
15.2			9	15.5	1.3	1.5	0.09				
19.4		lapilli tuff with pumice (1.5cm) and silicified rock fragments (1cm)	10	17.0	1.4	1.5	0.03				
20.9		barite veinlet and nodules nearly vertical	11	18.5	1.5	1.5	0.10				
21.6		reddish brown fine grained massive tuff with pisolite and pumice (pumice: 5mm)	12	20.9	1.2	1.5	0.03				
25.0			13	21.5	1.2	1.5	0.08				
25.0			14	23.0	1.5	1.5	0.02				
25.0			15	24.5	1.5	1.5	0.05				
25.0		barite veinlet	16	26.0	1.5	1.5	0.03				
30.0		fine grained massive tuff with pisolite and silicified rock fragments silicified rock fragments <1cm	17	27.5	1.5	1.5	0.08				
30.0			18	29.0	1.5	1.5	0.02				
30.0		weakly graded reddish brown massive tuff with silicified rock fragments <5cm	19	30.5	1.5	1.5	0.05				
30.0		silicified rock fragments <2cm	20	32.0	1.5	1.5	0.08				
35.0		massive tuff with silicified rock fragments <1cm oxidized zone	21	33.5	1.5	1.5	0.08				
35.0			22	35.0	1.5	1.5	0.03				
35.0		gray massive tuff with calcopyrite bearing pyrite ore fragments ore fragments <1cm	23	36.5	1.5	1.5	0.05				
35.0			24	38.0	1.5	1.5	0.02				
35.0		vertical oxidized fissure	25	39.5	1.5	1.5	0.23				
40.0		massive lapilli tuff with pisolite	26	41.0	1.5	1.5	0.13				
40.0		massive tuff with silicified rock frag and pyrite ore fragments silicified rock frag 3cm pyrite ore frag <1cm	27	42.5	1.5	1.5	0.05				
40.0			28	44.0	1.5	1.5	0.02				
40.0			29	45.5	1.5	1.5	0.03				
40.0		massive lapilli tuff silicified fragment <3cm	30	47.0	1.5	1.5	0.02				
40.0			31	48.5	1.5	1.5	0.05				
40.0		massive fine grained tuff with pisolite	32	50.0	1.5	1.5	0.02				

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis								
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Ag	% Au	% S	
51.5			33	51.5	1.5	1.5	0.03				
53.0		repeating graded tuff top: pisolite bearing fine tuff bottom: tuff breccia with ore fragments	34	53.0	1.0	1.5	0.02				
55.0		fine tuff with pisolite pyrite ore fragments: 4cm angular	35	54.5	1.5	1.5	0.09				
55.0		gray massive tuff with muddy patches	36	56.0	1.5	1.5	0.02				
55.0		massive lapilli tuff	37	57.5	1.5	1.5	0.03				
55.0		breccia 2cm	38	59.0	1.5	1.5	0.02				
55.0		massive tuff with pisolite	39	60.5	1.5	1.5	0.05				
55.0		fine grained tuff ~ muddy tuff	40	62.0	1.5	1.5	0.03				
55.0		fine grained tuff ~ muddy tuff quartz pyrite vein 1cm with and pyrite disseminated in matrix	41	63.5	1.5	1.5	0.05				
55.0		massive lapilli tuff with pisolite, pumice and silicified, pyritized rock fragments	42	65.0	1.5	1.5	0.03				
55.0		pyritized rock <1cm pumice <1cm	43	66.5	1.5	1.5	0.03				
55.0			44	68.0	1.5	1.5	0.03				
55.0		pyrite ore fragments 2cm	45	69.5	1.5	1.5	0.03				
55.0		lapilli tuff with slumped, muddy tuff	46	71.0	1.5	1.5	0.05				
55.0		coarse grain tuff ~ lapilli tuff with pyrite ore fragments pyrite ore fragments 3cm muddy tuff	47	72.5	1.5	1.5	0.03				
55.0		graded tuff	48	74.0	1.5	1.5	0.03				
55.0		massive tuff with pisolite and pyrite ore fragments pyrite ore fragments: 1cm	49	75.5	1.5	1.5	tr.				
55.0			50	77.0	1.5	1.5	0.02				
55.0			51	78.5	1.5	1.5	0.03				
55.0		pyrite ore fragments and silicified rock fragments <2cm	52	80.0	1.5	1.5	0.03				
55.0		massive lapilli tuff	53	81.5	1.5	1.5	0.08				
55.0		gray biotite porphyry dike biotite: 4mm feldspar: 5mm quartz: 2~3mm	54	83.0	1.5	1.5	0.02				
55.0		massive lapilli tuff with pyrite ore fragment and rhyolite breccia	55	84.5	1.5	1.5	0.05				
55.0		pyrite ore fragments subangular <2cm common abundant breccia of rhyolite subangular <3cm common	56	86.0	1.5	1.5	0.02				
55.0			57	87.5	1.5	1.5	0.08				
55.0		massive gray green tuff pyrite impregnation	58	89.0	1.5	1.5	0.02				
55.0			59	90.5	1.5	1.5	0.02				
55.0			60	92.0	1.5	1.5	0.03				
55.0			61	93.5	1.5	1.5	0.08				
55.0			62	95.0	1.5	1.5	0.05				
55.0			63	96.5	1.5	1.5	0.08				
55.0		fine grained muddy tuff pyrite impregnation	64	98.0	1.5	1.5	0.03				
55.0		massive gray green tuff	65	99.5	1.5	1.5	0.03				

Depth (m)	Columnar Section	Particulars	Results of Chemical Analysis								
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Ag	% Au	% S	
100.5		biotite quartz porphyry biotite 2mm feldspar 4mm	66	101.0	1.5	1.5	0.05				
101.2		fine grained muddy tuff weakly stratified	67	102.5	1.5	1.5	0.08				
102.0			68	104.0	1.6	1.5	0.03				
105.0		massive lapilli tuff with muddy tuff ball	69	105.5	1.5	1.5	0.08				
107.0		silicified pyrite ore fragments <2cm breccia of rhyolite <2cm muddy tuff ball <3cm	70	107.0	1.5	1.5	0.03				
108.5			71	108.5	1.5	1.5	0.05				
110.0		massive fine grained tuff lapilli tuff	72	110.0	1.5	1.5	0.03				
111.2		weakly graded tuff top: massive fine tuff bottom: lapilli tuff with silicified rock fragments <3cm	73	111.5	1.5	1.5	0.03				
113.5		massive fine grained tuff	74	113.0	1.5	1.5	0.04				
115.0		biotite quartz porphyry biotite 2~5mm feldspar 5mm quartz 2~3mm common	75	114.5	1.5	1.5	0.09				
116.7		massive tuff with irregular muddy tuff patches	76	116.0	1.5	1.5	0.01				
117.5			77	117.5	1.5	1.5	0.08				
119.0		pyrite ore fragments <1cm	78	119.0	1.5	1.5	0.03				
120.0		gray massive tuff pyrite impregnation in matrix	79	120.5	1.5	1.5	0.03				
122.0		gray muddy tuff	80	122.0	1.5	1.5	0.07				
123.5		massive tuff	81	123.5	1.5	1.5	0.08				
125.0			82	125.0	1.5	1.5	0.02				
126.5			83	126.5	1.5	1.5	tr.				
128.0		pyrite ore fragments <1.5cm breccia of rhyolite <2cm	84	128.0	1.5	1.5	0.02				
129.5		massive tuff with irregular muddy tuff patches	85	129.5	1.5	1.5	0.10				
131.0			86	131.0	1.5	1.5	0.03				
132.5		silicified, pyritized rock fragments <4cm breccia <2cm common	87	132.5	1.5	1.5	0.03				
134.0		massive fine grained tuff with pisolite	88	134.0	1.5	1.5	0.02				
135.5		pumice grain <5mm	89	135.5	1.5	1.5	0.08				
137.0		massive fine grained tuff with pisolite and pumice, pumice <5mm	90	137.0	1.5	1.5	0.02				
138.5		massive fine grained tuff with pisolite and pumice, pumice <5mm weak agglutination	91	138.5	1.5	1.5	0.03				
140.0			92	140.0	1.5	1.5	0.08				
141.5			93	141.5	1.5	1.5	0.03				
143.0		massive lapilli tuff with pyrite ore fragments, pumice and rhyolite breccia	94	143.0	1.5	1.5	0.03				
144.5		pyrite ore fragments <2cm pumice <1cm rhyolite breccia <2cm	95	144.5	1.5	1.5	0.10				
146.0		weakly graded tuff fine grained tuff at the top and tuff breccia at the base. Breccia <1cm	96	146.0	1.5	1.5	0.02				
147.5		massive fine grained tuff	97	147.5	1.5	1.5	0.08				
149.0			98	149.0	1.5	1.5	0.02				

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.II No. 7 (K21G) Sheet 2
 Total Length 301.0 m Core Recovery 96.5%
 Location Kyaukseung Elevation 115.0 m
 Direction Inclination - 90
 Date of Logging from 9 Mar. to 31 Mar.
 Logged by Molegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973

Prepared by MITSUBI KINZOKU ENGINEERING SERVICE CO., LTD

LEGEND

- Sand-stone
- Tuff, luff, breccia
- Hornblende-biotite porphyry
- Rhyolite
- Brecciation
- Size grading (fine at the top and coarse at the base)
- Inclination of plane structures (bedding plane, intrusive boundary etc.)

frag. : fragment
 w : width

Depth (m)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
150.1									
151.2		massive gray fine tuff	99	151.5	1.5	1.5	0.04		
153.9		lapilli tuff with rhyolite breccia (3cm)	99	155.0	1.5	1.5			
154.7		massive fine tuff	100	154.5	1.5	1.5	0.17		
157.3			101	156.0	0.4	1.5			
157.3			102	157.5	0.4	1.5	0.19		
159.0			103	159.0	1.5	1.5			
160.0		brecciated and argillized sandy gray tuff	104	160.5	1.5	1.5	0.33		
162.0			105	162.0	1.5	1.5			
163.0		massive sandy tuff with pisolite	106	163.5	1.5	1.5	0.16		
165.0			107	165.0	1.5	1.5			
167.3		lapilli tuff with silicified, pyritized frag (2cm)	108	166.5	1.5	1.5	0.24		
167.3			109	168.0	1.5	1.5			
169.5		gray sandy tuff	110	162.5	1.5	1.5	0.28		
171.7		weakly graded tuff	111	171.0	1.5	1.5			
171.8		sandy coarse tuff with pyrite ore fragments <1cm	113	174.0	1.5	1.5			
175.0		massive gray sandy tuff	114	175.5	1.5	1.5	0.02		
177.8		pisolite	115	177.0	1.5	1.5			
177.8		pyritized rock fragments	116	178.5	1.5	1.5	0.01		
180.0		sandy tuff	117	180.0	1.5	1.5			
180.5			118	181.5	1.5	1.5	0.03		
180.8		weakly argillized tuff	119	183.0	0.6	1.5			
183.0			120	181.5	1.3	1.5	0.14		
184.0			121	186.0	1.5	1.5			
185.0		lapilli tuff with silicified fragments <3cm rhyolite fragments <2cm	122	187.5	1.5	1.5	0.12		
187.7			123	189.0	1.5	1.5			
189.3			124	190.5	1.5	1.5	0.03		
189.3		gray fine tuff	125	192.0	1.5	1.5			
191.0		lapilli tuff	126	193.5	1.5	1.5	0.36		
191.0			127	195.0	1.5	1.5			
194.5		massive gray fine tuff	128	196.5	1.5	1.5	0.75		
196.7			129	198.0	1.5	1.5			
199.1			130	199.5	1.5	1.5	0.23		
200.0		lapilli tuff							

Depth (m)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
200.6		gray fine tuff (graded bedding)	131	201.0	1.5	1.5			
203.0		lapilli tuff rhyolite frag. < 5cm	132	202.5	1.5	1.5	0.05		
204.5			133	204.0	1.5	1.5			
205.0		argillized zone 0.5m	134	205.5	1.5	1.5	0.01		
207.6		massive lapilli tuff with silicified fragments <1cm	135	207.0	1.5	1.5			
207.6			136	208.5	1.5	1.5	0.08		
209.0		massive gray fine tuff sorted tuff	137	210.0	1.5	1.5			
212.1			138	211.5	1.5	1.5	0.01		
212.1			139	213.0	1.5	1.5			
215.0		lapilli tuff	140	214.5	1.5	1.5	0.06		
215.2			141	216.0	1.5	1.5			
217.6		gray muddy tuff with pisolite	142	217.5	1.5	1.5	0.05		
217.6			143	219.0	1.5	1.5			
220.0		lapilli tuff with pisolite	144	220.5	1.5	1.5	0.03		
220.6			145	222.0	1.5	1.5			
221.0			146	223.5	1.5	1.5	0.02		
221.5		lapilli tuff with pyrite ore fragments <1.5cm	147	225.0	1.5	1.5			
223.6			148	226.5	1.5	1.5	0.03		
225.0		gray muddy tuff with pisolite and argillized pumice <5cm	149	228.0	1.5	1.5			
226.6			150	229.5	1.5	1.5	0.04		
231.0		gray coarse tuff	151	231.0	1.5	1.5			
232.6		lapilli tuff coarse tuff with silicified rock frag (5cm)	152	232.5	1.5	1.5	0.04		
234.3			153	234.0	1.5	1.5			
235.0		gray tuffaceous sand stone	154	235.5	1.5	1.5	0.05		
236.5			155	237.0	1.5	1.5			
237.2			156	238.5	1.5	1.5	0.05		
237.4			157	240.0	1.5	1.5			
239.2		gray coarse tuff	158	241.5	1.5	1.5	0.03		
240.0			159	243.0	1.5	1.5			
240.5		fine grain sandy tuff	160	244.5	1.5	1.5	0.06		
241.8			161	246.0	1.5	1.5			
244.1			162	247.5	1.5	1.5	0.01		
245.5		fine grain sandy tuff	163	249.0	1.5	1.5			
246.2									
248.7									
250.0									

Depth (m)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
250.8		woolly graded sandy tuff	164	250.5	1.5	1.5	0.06		
251.1			165	252.0	1.5	1.5			
253.1		coarse tuff	166	253.5	1.5	1.5	0.02		
254.9			167	255.0	1.5	1.5			
255.0		weakly argillized massive gray fine tuff with pisolite	168	256.5	1.5	1.5	0.02		
257.1			169	258.0	1.5	1.5			
258.8			170	259.5	1.5	1.5	0.02		
260.0			171	261.0	1.5	1.5			
262.6		weakly argillized massive gray fine tuff	172	262.5	1.5	1.5	0.02		
265.0			173	264.0	1.5	1.5			
265.4			174	265.5	1.5	1.5	0.02		
266.9			175	267.0	1.5	1.5			
269.0		weakly argillized massive gray fine tuff	176	268.5	1.5	1.5	0.06		
270.0			177	270.0	1.5	1.5			
270.8		massive gray sandy tuff	178	271.5	1.5	1.5	0.01		
272.9		argillized gray fine tuff	179	273.0	1.5	1.5			
274.6		silicified rock fragments <1cm	180	274.5	1.5	1.5	0.06		
275.7		vertical pyrite stringer W=2mm	181	276.0	1.5	1.5			
278.3		massive gray sandy tuff with pyrite ore fragments <5mm and silicified rock fragments <3mm	182	277.5	1.5	1.5	0.15		
279.5			183	279.0	1.5	1.5			
280.0			184	280.5	1.5	1.5	0.51		
280.8		massive gray sandy tuff	185	282.0	1.5	1.5			
282.3			186	283.5	1.5	1.5	0.06		
284.5		luff breccia (pyrite ore frag. <1.5cm silicified rock <1cm rhyolite frag. <5cm)	187	285.0	1.5	1.5			
285.5			188	286.5	1.5	1.5	0.40		
286.6		massive gray sandy tuff	189	288.0	1.5	1.5			
289.7			190	289.5	1.5	1.5	0.01		
290.0		massive gray sandy tuff	191	291.0	1.5	1.5			
292.7			192	292.5	1.5	1.5	0.02		
293.3		silicified fine tuff	193	294.0	1.5	1.5			
295.0		whitish gray rhyolite (weakly silicified and sericitized)	194	295.5	1.5	1.5	0.10		
296.7			195	297.0	1.5	1.5			
297.1			196	298.5	1.5	1.5	0.13		
298.1			197	300.0	1.5	1.5			
298.6									
300.0		End	198	301.0	1.5	1.5	0.12		

GEOLOGICAL SURVEY OF
MONywa AREA, UNION OF BURMA
(PHASE I)







CORE LOG and ASSAY

D.O.H. No. K140 Sheet 1
Total Length 530^{feet} Core Recovery 65.6%
Location Kytstungung Elevation 105 m
Direction Inclination - 90°
Date of Logging from to
Logged by Molegi

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973

Prepared by MITSUBI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

-  Sandstone
-  Tuff, tuff breccia
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading (
-  in direction of planer structure
(bedding plane, intrusive boundary)
vein, etc.

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis															
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Au	% Ag	% S								
26		non core	25															
		leached zone	30	0.66	5	0.05												
		Fe-oxide staining and joint filling	35	1.17	5	0.03												
			40	1.17	5	0.13												
			41	1.00	5													
		green colored, weakly argillized biotite quartz porphyry	45	3.00	4	0.15												
50			50	2.00	5	0.03												
			55	5.00	5	0.05												
			60	5.00	5	0.05												
			65	1.50	5	fr												
		leached zone	70		5													
			75	5.00	5	0.05												
		green colored biotite quartz porphyry	80	4.00	5	fr												
			85	2.50	5	0.03												
			90	2.00	5	0.03												
			95	4.01	5	fr												
100			100	3.02	5	0.03												
			105	4.00	5	fr												
		argillized and weakly silicified biotite quartz porphyry	110	1.89	5	0.13												
		leached zone Fe-oxide staining and joint filling	115	1.50	5	0.05												
			120	0.83	5	0.05												
			125	2.25	5	fr												
127		argillized and weakly silicified biotite quartz porphyry	130	2.50	5	0.10												
		pyrite impregnation with chalcocite-coated pyrite	135	1.42	5	0.13												
			140	0.75	5	0.45												
			145	1.50	5	0.23												
150			150	2.00	5	0.23												
		50° pyrite-chalcocite	155	4.00	5	0.35												
		50° stringer	160	2.12	5	0.10												
		argillized, weakly silicified biotite quartz porphyry	165	3.00	3													
			166	2.00	2	0.28												
			170	3.00	5	0.58												
			174	3.00	4	0.28												
			175															

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis															
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Au	% Ag	% S								
		massive pyrite with chalcocite (50m thick)	180	4.00	5	1.50												
		impregnation of pyrite and chalcocite	185	5.00	5	0.40												
		brecciated biotite quartz porphyry	190	5.00	5	0.95												
		highly argillized biotite quartz porphyry	195	5.00	5	0.76												
200			200	5.00	5	0.35												
		brecciated and argillized biotite quartz porphyry	205	5.00	5	0.25												
		impregnation of pyrite and chalcocite	210		5	0.38												
		highly argillized zone	215	5.00	5	0.60												
			220	5.00	5	0.48												
		brecciated silicified and weakly argillized biotite quartz porphyry	222	2.00	2	0.15												
		impregnation of pyrite and chalcocite	225	3.00	3	0.40												
			230	6.00	5	0.65												
			235	5.00	5	0.45												
		highly argillized zone	240	5.00	5	0.33												
		chalcocite decrease	242	2.00	2													
			245	3.00	3	0.40												
250			250	5.00	5	0.13												
		argillized and weakly silicified biotite quartz porphyry	255	5.00	5	0.08												
		pyrite impregnation	260	5.00	5	0.15												
			265	5.00	5	0.05												
		silicified biotite quartz porphyry	270	5.00	5	0.18												
			275	5.00	5	0.05												
		pyrite impregnation	277.5	2.50	2.5													
			280	2.50	2.5	0.13												
			285	5.00	5	0.08												
		highly silicified and brecciated biotite quartz porphyry	290	5.00	5	0.03												
			295	5.00	5	0.05												
300			300	4.25	5	0.25												
		argillized porphyry	305	6.00	5	0.10												
		argillized biotite quartz porphyry	310	5.00	5	0.05												
		pyrite impregnation	315	6.00	5	0.08												
		silicified, brecciated biotite quartz porphyry	320	6.00	5	0.13												
			325	5.00	5	0.03												
			330	3.50	5	0.10												
		argillized, weakly silicified biotite quartz porphyry	335	6.00	5	0.08												
			340	5.00	5	0.06												
		pyrite impregnation (2-3%)	345	5.00	5	0.05												
350			350	6.00	5	0.03												

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis															
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Au	% Ag	% S								
		argillized, weakly silicified biotite quartz porphyry	355	6.00	5	0.03												
			360	5.00	5	0.10												
		pyrite impregnation	365	5.00	5	0.16												
			370	5.00	5	0.10												
			375	2.00	5	0.03												
			380	5.00	5	0.25												
		argillized, weakly argillized biotite quartz porphyry	385	3.33	5	0.10												
		pyrite impregnation	390	5.00	5	0.05												
			395	5.00	5	0.20												
400			400	4.33	5	0.06												
		30° clef	405	1.50	5	0.05												
		30° pyrite stringer	410	5.00	5	0.10												
		chloritized biotite quartz porphyry	415	5.00	5	0.05												
		40° pyrite stringer	420	1.38	5	0.10												
			425	5.00	5	0.08												
		argillized, weakly silicified biotite quartz porphyry	430	3.58	5	0.08												
		pyrite impregnation	435	1.17	5	0.25												
			437	0.42	2													
			440	0.17	3	0.08												







GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE 1)

CORE LOG and ASSAY

D.D.H No. K12 Sheet 1
 Total Length 835 feet Core Recovery 36.4%
 Location Kyisindaung Elevation 230 m
 Direction _____ Inclination ~90°
 Date of Logging from _____ to _____
 Logged by Molegi _____

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
 Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

-  Sandstone
-  Tuff, tuff breccia
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading ()
-  in inclination of planar structure (bedding plane, intrusive boundary) vein, etc.

Depth (feet)	Compressor Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
0		non calc (rotary - drilled)							
20		highly silicified biotite porphyry					0.05		
30		leached zone with Fe-oxide	30	2.25	10		0.03		
40			40	1.92	10		N.D.		
50		highly silicified biotite porphyry biotite - brown coloured	50	0.83	10		N.D.		
80		Fe-oxide - joint	80	1.00	10		N.D.		
70			70	0.90	10		0.03		
80		highly silicified biotite porphyry	80	0.25	10		N.D.		
80		leached zone	80	0.75	10		N.D.		
100		highly silicified biotite porphyry	100	1.00	10		0.05		
110		leached zone	110	1.33	10		N.D.		
120			120	1.83	10		0.03		
130		highly silicified biotite porphyry	130	1.00	10		0.03		
140			140	2.25	10		0.03		
150		leached zone	150	0.42	10		0.03		
160		highly silicified biotite porphyry	160	3.17	10		N.D.		
170			170	4.00	10		0.05		

Depth (feet)	Compressor Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
180		leached zone with Fe-oxide	180	2.83	10		N.D.		
190			190	3.83	10		0.05		
200		highly silicified biotite porphyry	200	0.42	10		0.03		
210			210	0.04	10		0.03		
220			220	1.25	10		N.D.		
230		highly silicified biotite porphyry	230	2.07	10		0.03		
240			240	2.68	10		N.D.		
245			245	1.17	5		0.03		
250		leached zone	250	0.16	5		N.D.		
255		highly silicified biotite porphyry	255	0.42	5		0.03		
280			280	1.75	5		0.03		
285			285	4.00	5		0.05		
270			270	5.60	5		0.03		
275		leached zone	275	5.00	5		N.D.		
280			280	5.00	5		0.10		
285			285	6.00	5		0.03		
290		highly silicified biotite porphyry	290	1.83	5		0.05		
295			295	0.83	5		0.05		
300		highly silicified biotite porphyry	300	1.33	5		0.03		
305			305	1.00	5		0.05		
310		leached zone (Fe-oxide zone)	310	2.00	5		0.03		
315			315	1.00	5		0.03		
320			320	1.00	5		0.03		
325		highly silicified biotite porphyry	325	5.00	5		0.05		
330			330	1.00	5		0.05		
335			335	6.00	5		0.03		
340			340	4.00	5		0.05		
345			345	1.00	5		0.05		
350			350	0.60	5		N.D.		

Depth (feet)	Compressor Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	S %
355			355	1.00	5		0.05		
360			360	0.50	5		N.D.		
365		highly silicified biotite porphyry	365	1.33	5		0.01		
370			370	1.50	5		N.D.		
375			375	0.50	5		0.01		
380			380	0.67	5		0.03		
385		leached zone	385	2.50	5		N.D.		
390			390	2.00	5		0.03		
395		silicified biotite porphyry	395	3.00	5		0.04		
400		biotite - brown coloured, feldspar - white crystallized	400	2.00	5		0.03		
405			405	2.50	5		0.05		
410			410	2.00	5		0.03		
415			415	2.92	5		0.05		
420			420	1.75	5		N.D.		
425		silicified biotite porphyry	425	0.90	5		N.D.		
430			430	1.00	5		N.D.		
435			435	2.83	5		0.05		
440		leached zone	440	1.25	5		0.01		
445			445	1.33	5		0.10		
450			450	0.97	5		0.13		
455			455	0.33	5		0.03		
460		silicified biotite porphyry silicification crystallization	460	0.17	5		0.03		
465			465	0.00	5		0.03		
470			470	0.60	5		0.03		
475			475	0.90	5		-		
480		leached zone	480	1.67	5		N.D.		
485			485	0.00	5		-		
490			490	0.83	5		0.06		
495		silicified biotite porphyry feldspar crystallized	495	1.57	5		0.03		
500			500	1.83	5		0.03		
505		silicified biotite porphyry	505	0.83	5		N.D.		
510			510	0.00	5		-		
515			515	0.50	5		0.05		
520		silicified biotite porphyry leached zone	520	0.00	5		0.03		
525			525	1.75	5		0.06		







GEOLOGICAL SURVEY OF
MONywa AREA, UNION OF BURMA
(PHASE 1)

CORE LOG and ASSAY

D.O.I No. K14E Sheet 2
Total Length 1,170 feet Core Recovery 51.2%
Location Kyisindaung Elevation 160 m
Direction _____ Inclination -90°
Date of Logging from _____ to _____
Logged by Motegi _____

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973
Prepared by MITSUI MINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

-  Sandstone
-  Tuff, tuff breccio
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading (
-  in inclination of planar structure (bedding plane, intrusive boundary) vein, etc.

Depth (feet)	Core Number	Particulars	Results of Chemical Analysis						
			Sample No	Depth	Core Length	Sample Length	Cu %	% Au	% Ag
		silicified and argillized white rock	530	1.17	5.0	0.13			
		silicification argillization	535	0.56	5.0	0.10			
		pyrite, hematite impregnation	640	-	-	-			
			645	-	-	-			
		pyrite impregnation with little amount of chalcocite	650	2.25	5.0	0.13			
		heavily argillized white rock	655	1.17	5.0	0.05			
			660	2.00	5.0	0.05			
		heavy impregnation of pyrite	665	2.00	5.0	0.10			
			670	5.50	5.0	0.05			
		pyrite, hematite impregnation	675	5.00	5.0	0.08			
		argillized and silicified white rock	685	7.98	10.0	0.10			
		pyrite, hematite impregnation	690	4.00	5.0	0.03			
		brecciation	695	4.00	5.0	0.13			
			698	5.00	5.0	0.10			
		joint filling and impregnated pyrite	695	5.00	5.0	0.05			
		silicified and argillized white rock	600	3.00	3	0.03			
		30° pyrite stringer	615	5.00	7	0.05			
		fine grain silicified rock	625	0.75	10	0.05			
			635	2.17	10	0.13			
		pyrite impregnation with little amount of chalcocite	645	2.00	10	0.13			
		fine grain silicified rock	650	6.00	5	0.23			
		joint filling and impregnated pyrite with little amount of chalcocite	660	10.00	10	0.03			
			665	3.50	5	0.10			
		highly silicified rock	675	10.00	10	0.13			
		pyrite impregnation	675	2.75	4.5	0.10			
		highly silicified rock	685	8.00	10	0.08			
		pyrite impregnation	694.5	3.00	5	0.05			

Depth (feet)	Core Number	Particulars	Results of Chemical Analysis						
			Sample No	Depth	Core Length	Sample Length	Cu %	% Au	% Ag
		pyrite impregnation	704.5	5.00	10	0.05			
		highly silicified rock	710	3.90	5.5	0.05			
			715	5.00	5	0.10			
			718	3.00	3	0.05			
			725	4.25	7	0.03			
		highly silicified rock	729.6	3.00	4.5	0.05			
			731	1.33	1.5	0.08			
			737.5	6.50	6.5	0.05			
		pyrite, stringer	742.5	4.00	10	0.05			
		vertical pyrite, chalcocite stringer	753.5	4.25	5	0.45			
		highly silicified rock	763.5	4.60	10	0.30			
		vertical stringer of pyrite and chalcocite w: 2mm-3mm	770	4.00	4.5	0.33			
		pyrite impregnation	780	2.75	10	0.75			
		highly silicified rock	790	1.17	10	0.80			
		45° pyrite, chalcocite stringer	795	3.75	5	0.45			
		highly silicified rock	805	2.50	10	0.48			
		pyrite, chalcocite stringers	815	1.00	10	0.40			
		silicified and argillized (sericitization) rock	825	6.00	10	0.23			
		pyrite impregnation	835	2.00	10	0.13			
		silicified and argillized rock	845	0.33	10	0.23			
		pyrite and chalcocite-coated pyrite stringer	855	7.60	10	0.25			
		pyrite impregnation	862	7.00	7	0.23			
		highly silicified rock	870	5.50	5	0.13			
		joint filling pyrite and chalcocite-coated pyrite	875	5.00	5	0.25			

Depth (feet)	Core Number	Particulars	Results of Chemical Analysis						
			Sample No	Depth	Core Length	Sample Length	Cu %	% Au	% Ag
		chalcocite stringer	885	3.00	10	0.18			
		highly silicified rock	889	3.60	4	0.30			
		silicified and argillized rock	895	0.00	5	0.23			
		zone of pyrite stringers	900	-	-	-			
		pyrite, chalcocite stringer	905	5.60	10	0.18			
		silicified and argillized rock	915	7.00	10	0.28			
		pyrite, barite stringer	925	5.50	10	0.18			
		vertical pyrite, barite, quartz veinlets (barite + chalcocite)	930	4.60	5	0.22			
		silicified and argillized rock	940	8.00	10	0.25			
		vertical pyrite, barite, quartz veinlets	950	9.50	10	0.18			
		sericitization silicification	954.5	4.00	4.5	0.65			
		zone of chalcocite, barite, chalcocite veins and veinlets	960	4.00	5.5	0.43			
		argillized and silicified rock	970	10.00	10	1.35			
		argillized and silicified porphyritic rock with relic of feldspar	980	10.00	10	7.00			
		vertical vein of chalcocite-barite-quartz w: 0.2-1cm	985	4.50	5	1.38			
		sericitization silicification	990	4.50	5	1.38			
		vertical veinlet of barite quartz	995	3.60	5	0.13			
		silicified and argillized porphyritic rock with relic of feldspar	1005	3.50	10	0.75			
		vertical pyrite veinlets w: 5mm	1015	8.00	10	0.18			
		vertical pyrite veinlets w: 2mm-3mm	1018	1.00	4	0.05			
		silicified and argillized (sericitization) porphyritic rock	1025	4.50	5	0.13			
		pyrite-chalcocite-quartz vein	1035	2.60	10	0.18			
		pyrite, chalcocite-impregnation and stringer (w: 2mm)	1045	10.00	10	0.10			
		zone of pyrite-chalcocite stringers	1050	-	-	-			

GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY







D.D.H. No. S23C Sheet 1
 Total Length 510.5 feet Core Recovery 90.6%
 Location Sabedauko Elevation 107 m
 Direction Inclination -90°
 Date of Logging from to
 Logged by Molegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN

SEPTEMBER 1973

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

-  Sandstone
-  Tuff, full breccia
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading (
-  in inclination of planar structure
 (bedding plane, intrusive boundary)
 vein, etc.

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu %	Au %	Ag %	S %
		non core (rotary-drilled)							
30		teached zone							
35		rhyolitic tuff breccia	30	2.50					
41			35	1.50	6				
42.5			41	5.00	6				
47		teached zone	42.5	0.83	1.6				
60		rhyolitic tuff breccia - tuffite tuff	47	2.00	5.5				
60		teached zone	60	2.70	3				
60		weakly silicified and argillized tuff breccia							
60		pyrite, chalcocite impregnation	60	10.00	10	0.20			
65		pyrite, chalcocite impregnation	65	5.00	5	4.63			
68.5		rhyolitic tuffite tuff - coarse tuff	68.5	3.50	3.5	4.21			
72.5		zone of pyrite, chalcocite stringer	72.5	2.00	4	1.97			
76.5			76.5	3.00	3	0.81			
76.5		rhyolitic tuffite tuff with rhyolite fragments seen	76.5	2.50	3	1.74			
88.5		chalcocite-coated pyrite and pyrite impregnation	88.5	0.20	10	1.57			
99.5			99.5	6.00	6	1.07			
104.6		pyrite, chalcocite stringer	104.6	10.00	10	2.25			
114.5		60° pyrite, chalcocite stringer w: 3mm	114.5	9.00	10	2.32			
119.5		rhyolitic tuffite tuff	119.5	5.00	5	0.39			
129.5		joint-filling and impregnated pyrite and chalcocite	129.5	10.00	10	0.94			
134.5			134.5	4.50	6	0.63			
143		irregular shaped chalcocite stringer	143	0.50	8.5	1.39			
160		rhyolitic tuffite tuff with silicified rock fragments in	160	4.50	7	1.60			
157.5		joint-filling chalcocite	157.5	6.00	7.6	1.97			
163.5			163.5	6.00	6.0	1.31			
170			170	6.50	5.5	0.92			
		brown, biotite porphyry							

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu %	Au %	Ag %	S %
		irregular stringer of chalcocite - coated pyrite	180	9.00	10	0.90			
		rhyolitic tuffite tuff	188	7.50	8	0.48			
		irregular shaped stringer of pyrite and chalcocite-coated pyrite	188	6.00	6	0.66			
		weakly silicified and argillized rhyolitic tuffite tuff with silicified rock fragments 20	201	7.00	7	1.53			
		chalcocite pyrite	207.5	6.50	6.5	2.84			
		60° chalcocite-pyrite stringers w: 4mm	216	8.00	8.5	3.29			
		joint-filling and impregnated pyrite with little amount of chalcocite	220	3.50	4	2.14			
		weakly silicified and argillized tuffite tuff	228	8.00	8	1.11			
			235	1.50	1.5	1.86			
			238.5	7.00	8	0.63			
			247.5	6.50	9	0.48			
		chalcocite-pyrite stringer	253	7.50	7.5	0.51			
		chalcocite-pyrite stringer w: 1mm	265	10.00	10	0.45			
		chalcocite-pyrite stringer w: 2mm	273.5	6.00	6.5	0.85			
		chalcocite	276.5	3.00	3.0	1.04			
		weakly silicified, argillized white tuffite tuff	285	8.50	8.5	0.61			
		pyrite impregnation	295	10.00	10	0.65			
		vertical stringer of chalcocite and pyrite w: 3mm	300.5	6.50	5.5	3.04			
		white, rhyolitic tuffite tuff	310.5	10.0	10	0.76			
		irregular shaped chalcocite stringer	320.5	10.0	10	1.49			
		joint-filling and impregnated pyrite and chalcocite	330	9.50	9.5	0.30			
		weakly argillized rhyolitic tuffite tuff	340	10.0	10	0.44			
		biotite porphyry	348	8.0	8	0.28			

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu %	Au %	Ag %	S %
		joint filling and impregnated pyrite and chalcocite	355	8.0	8	0.53			
		pyrite-chalcocite-quartz stringer w: 1mm	362	6.0	6	0.35			
		biotite porphyry	367	5.0	5	0.58			
		pyrite-chalcocite stringer	377	10.0	10	0.50			
		rhyolitic tuffite tuff with silicified rock fragments	385	8.0	8	0.09			
		joint filling and impregnated pyrite and chalcocite	391	6.0	6	0.12			
		joint filling and impregnated pyrite and chalcocite	401	10.0	10	0.17			
		weakly argillized rhyolitic tuffite tuff	411	10.0	10	0.34			
		pyrite, chalcocite impregnation	415.5	4.5	4.5	0.64			
		60° pyrite-chalcocite stringer w: 2mm	426	10.5	10.5	0.35			
		irregular shaped pyrite-chalcocite stringer w: 3mm	432.1	6.00	6	0.71			
		weakly argillized rhyolitic tuffite tuff	442	10.00	10	0.61			
		pyrite impregnation	452	10.00	10	0.68			
		vertical stringer of pyrite-chalcocite w: 4mm	462	10.00	10	0.86			
		pyrite impregnation	467	5.00	5	0.28			
		rhyolitic tuffite tuff with pyritized rock fragments	476	9.00	9	0.22			
		vertical stringer of pyrite-chalcocite w: 4mm	483.5	7.50	7.5	0.25			
		chalcocite-coated pyrite	486.5	5.00	5	0.30			
			493.5	6.00	6	0.28			
		joint filling and impregnated pyrite	503.5	10.00	10	0.19			
		rhyolitic tuffite tuff	510.5	7.00	7	0.33			








GEOLOGICAL SURVEY OF
 MONywa AREA, UNION OF BURMA
 (PHASE I)

CORE LOG and ASSAY

D.D.H. No. K16 Sheet 2
 Total Length 1,050 feet Core Recovery 78.3%
 Location Kyisindang Elevation 257 m
 Direction Inclination - 90°
 Date of Logging from to
 Logged by Motegi

METAL MINING AGENCY
 OVERSEAS TECHNICAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 SEPTEMBER 1973
 Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

-  Sandstone
-  Tuff, tuff breccio
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading (
-  in direction of planar structure
-  (bedding plane, intrusive boundary)
vein, etc

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	% Cu	% Au	% Ag	% S
550		brown, silicified biotite porphyry	630	5	5	0.06			
			635	5	5	0.11			
			640	5	5	0.03			
			645	4.75	5	0.03			
			650	3.99	5	0.06			
		highly silicified biotite porphyry	655	5.00	5	0.0			
			660	2.50	5	0.0			
567			665	6.00	5	0.05			
		<30° pyrite, chalcocite - quartz stringer	670	5	5	0.25			
		highly silicified biotite porphyry (at top: oxidized)	675	5	5	0.30			
		<10° pyrite, chalcocite - quartz veinlet w/ 1cm	680	5	5	0.47			
			685	6	6	0.33			
		oxidized biotite porphyry	690	5	5	0.10			
			695	5	5	0.18			
600			700	6	5	1.02			
		pyrite - chalcocite impregnation	705	5.00	6	0.50			
			710	5	5	0.40			
			715	5	5	0.28			
		highly oxidized biotite porphyry	720	5	5	0.35			
		vertical veinlet of pyrite - quartz	725	5	5	0.57			
			730	6	5	0.68			
			735	6	5	0.70			
		<50° pyrite, chalcocite - quartz vein (w/ 2cm)	740	5	6	0.40			
		weakly silicified porphyry	745	5	5	0.45			
			750	5	5	0.25			
			755	5	5	0.43			
650			760	5	5	0.25			
			765	5	5	0.43			
			770	5	5	0.40			
			775	5	5	0.43			
		impregnation and stringers of chalcocite and pyrite	780	5	5	0.45			
			785	5	5	0.20			
			790	5	5	0.45			
			795	5	5	0.43			
			800	5	5	0.40			
			805	5	5	0.43			
			810	5	5	0.43			
			815	5	5	0.28			
			820	5	5	0.18			
			825	5	5	0.38			
			830	5	5	0.28			
			835	5	5	0.28			
			840	5	5	0.60			
			845	5	5	0.40			
			850	4	5	0.45			
			855	2	5	0.32			
			860	1	6	0.20			
			865	3.63	5	0.28			
			870	2	5	0.08			
700			875	5	5	0.10			

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	% Cu	% Au	% Ag	% S
			709	5	5	0.20			
			710	6	5	0.23			
		impregnation and stringers of chalcocite and pyrite	715	4.25	5	0.53			
			720	5	5	0.60			
			725	6	6	0.65			
		small amount of malachite staining	730	5	5	0.28			
		weakly silicified and oxidized biotite porphyry (biotite - brown relic)	735	5	5	0.60			
			740	5	5	0.58			
			745	5	5	0.45			
			750	5	5	0.95			
750			755	5	6	0.30			
		stringers and impregnation of chalcocite and pyrite	760	6	5	0.75			
		weakly silicified and oxidized biotite porphyry (at top: white oxidized biotite - brown relic)	765	5	6	0.60			
			770	5	6	0.60			
			775	5	5	0.30			
			780	5	5	0.70			
			785	5	6	0.43			
		chalcocite, pyrite (impregnation and stringers)	790	6	5	1.78			
			795	5	5	1.80			
			800	5	5	2.03			
		oxidized biotite porphyry (biotite - brown relic, at top: white oxidized)	805	5	5	2.45			
			810	5	5	0.50			
			815	5	5	0.28			
		pyrite impregnation with little amount of chalcocite	820	5	5	0.18			
			825	5	6	0.58			
			830	5	5	0.28			
			835	5	5	0.28			
			840	5	5	0.60			
			845	5	5	0.40			
			850	4	5	0.45			
650			855	2	5	0.32			
			860	1	6	0.20			
			865	3.63	5	0.28			
			870	2	5	0.08			
			875	5	5	0.10			

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	% Cu	% Au	% Ag	% S
			880	4	5	0.33			
			885	3	5	0.10			
		oxidized biotite porphyry	890	5	5	0.19			
			895	2.83	6	0.21			
900			900	6	5	0.50			
		weakly oxidized biotite quartz porphyry	905	5.00	5	0.33			
		impregnation of pyrite with little amount of chalcocite	910	4	5	0.58			
			915	4	5	0.20			
			920	2.83	5	0.28			
			925	1.00	5	0.15			
925			930	—	5	—			
950		core lost	935	0.50	6	0.26			
		massive pyrite	940	3.50	5	0.05			
			945	3.50	5	0.05			
		weakly oxidized and silicified biotite porphyry (biotite - brown relic)	950	5.00	5	0.75			
		zone of pyrite - chalcopyrite - chalcocite - quartz - stringers <60°	955	3	5	0.53			
			960	3	5	0.30			
			965	5	5	0.13			
			970	6	5	0.15			
		<60° pyrite - chalcocite veinlet	975	5	5	0.10			
			980	6	6	0.13			
		biotite - quartz porphyry	985	5	5	0.23			
			990	5	6	0.13			
			995	4	5	0.43			
		weakly silicified and oxidized biotite porphyry	1000	5	5	0.15			
		pyrite impregnation	1005	4.50	5	0.20			
			1010	5	5	0.28			
		<70° pyrite - chalcopyrite veinlet (w/ 1cm)	1015	5	6	0.11			
			1020	5	5	0.04			
			1025	5	5	0.08			
		<70° pyrite - chalcopyrite	1030	5	5	0.08			
			1035	5	5	0.13			
		silicified biotite - quartz - porphyry (biotite - brown relic)	1040	5	5	0.08			
			1045	5	5	0.18			
1045		end	1050	6	5	0.11			

GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE 1)







CORE LOG and ASSAY

D.D.H No. 533 Sheet 2
Total Length 93.4 feet Core Recovery 390%
Location Sabedoung Elevation 870 m
Direction Inclination -90°
Date of Logging from to
Logged by

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973

Prepared by MITSUI MINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

-  Sandstone
-  Tuff, tuff breccio
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading (
-  in inclination of planer structure (bedding plane, intrusive boundary) vein, etc.

Depth (feet)	Core Number	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Ag	% S
478		white oxidized (silicified) quartz porphyry grey sand stone							
480		pyrite impregnation joint filling pyrite							
			485	8.50	10.0	0.10			
		highly oxidized, brecciated porphyry (quartz 2-3mm)							
		pyrite impregnation	495	5.75	10.0	0.07			
500		pyrite impregnation							
		highly oxidized, brecciated porphyry	506	4.02	10.0	0.02			
		pyrite impregnation							
514		core lost	516	3.00	10.0	0.05			
526		core lost	526	1.20	10.0	0.07			
		brown coloured oxidized porphyry							
534		core lost	535	0.80	10.0	0.12			
			645	0	10.0	0.13			
550		core lost	555	0	10.0	0.13			
			665	0	10.0	0.13			
565		green weakly silicified tuff							
		pyrite impregnation	575	1.5	10.0	0.16			
			685	4.0	10.0	0.32			
590		core lost	595	0.83	10.0	0.20			
600		weakly silicified green patches tuff							
		joint filling pyrite and impregnation (py: 5%)	615	1.25	10.0	0.36			
620		core lost	625	0.6	10.0	0.23			
626		weakly silicified green patches tuff							
631		core lost	635	6.50	10.0	0.97			
635		green patches tuff							
		joint filling pyrite and impregnation	645	0.28	10.0	0.08			
641		core lost							
650									

Depth (feet)	Core Number	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Ag	% S
653		weakly silicified green patches tuff							
655		pyrite impregnation	655	1.00	10.0	0.22			
650		weakly silicified green patches tuff							
661			665	0.35	10.0	0.24			
			675	1.02	10.0	0.17			
700		whitish grey rhyolite quartz phenocryst 1.8mm							
		pyrite stringer and impregnation (py: 7-8%)	696	2.00	10.0	0.17			
			705	2.15	10.0	0.21			
		weakly oxidized whitish grey rhyolite							
			716	5.32	10.0	0.27			
719		core lost	725	0.93	10.0	0.08			
720		white rhyolite weak silicification weak substitution							
		vertical pyrite stringer with little amount of bornite w: 3mm	735	0.50	10.0	0.23			
			745	5.02	10.0	1.53			
750		highly silicified white rhyolite (fine grain compact)							
		pyrite quartz stringer	765	2.03	10.0	2.70			
			765	2.75	10.0	0.33			
		vertical pyrite stringer w: 3mm							
771		highly brecciated whitish grey rhyolite							
775		highly silicified fine grain sand stone							
		joint filling pyrite and impregnation	785	9.50	10.0	0.07			
		silt stone ball 4.8cm							
		massive silicified sand stone	795	10.0	10.0	0.70			
800		vertical pyrite stringer							
			805	10.0	10.0	0.10			
		massive silicified sand stone							
			815	6.05	10.0	0.05			
		pyrite impregnation							
			826	1.96	10.0	0.03			

Depth (feet)	Core Number	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Ag	% S
		silicified fine grain sand stone							
		pyrite impregnation	835	0.98	10.0	0.03			
850		vertical pyrite stringer							
			845	0.88	10.0	0.10			
		silicified fine grain sand stone							
		pyrite impregnation	855	7.66	10.0	0.03			
			865	3.50	10.0	0.05			
870		pyrite zone (w: 25%)							
875			875	1.73	10.0	0.05			
		silicified fine grain sand stone							
		pyrite impregnation	885	1.16	10.0	0.09			
			895	3.10	10.0	0.10			
900		grey massive sand stone							
		pyrite impregnation	905	7.76	10.0	0.09			
			915	0.17	10.0	0.09			
		pyrite impregnation	925	3.85	10.0	0.11			
931		core lost	934	0.0					

GEOLOGICAL SURVEY OF
MONywa AREA, UNION OF BURMA
(PHASE I)

CORE LOG and ASSAY

D.D.H No. 523 Sheet 1
Total Length 834 feet Core Recovery %
Location Sabedung Elevation 152.0 m
Direction Inclination ~90°
Date of Logging from to
Logged by Molegi

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973
Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

LEGEND

- Sandstone
- Tuff, luff breccia
- Rhyolite
- Hornblende biotite porphyry
- Size grading (
- in inclination of planer structure
(bedding plane, intrusive boundary)
vein, etc.

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
0		Biotite-quartz porphyry (weak silicification felspar: organized)		5.0	5.0					
				12.5	7.5	0.02				
				22.5	10.0	0.06				
		biotite-quartz porphyry (biotite - brown relic felspar - organized quartz 3-4mm coarse)		32.5	10.0	0.04				
				41.5	9.0	0.02				
		leached zone								
50				53.5	12.0	0.05				
		brecciated biotite porphyry		61.5	8.0	0.04				
				70.5	5.0	0.04				
		Fe-oxide staining and joint filling		70.0	9.5	0.05				
		silicified biotite porphyry		70.6	3.5					
		leached zone		80.5	1.0	0.02				
		silicified biotite porphyry w/ quartz veinlet		85	4.50	4.5	1.05			
		chalcocite pyrite veinlet pyrite impregnation		90.5	5.50	5.5	1.05			
100				100.5	10.00	10.0	2.00			
		silicified biotite-quartz porphyry		110	9.60	9.5	1.62			
		(biotite - brown relic felspar - organized quartz 2-3mm)		120	10.00	10	1.83			
		weakly silicified biotite porphyry		130	10.00	10	0.60			
		network veinlet of pyrite-chalcocite-quartz width of veinlet: 0.2-10cm		140	10.00	10	0.17			
		silicified biotite-quartz porphyry		145	5.00	5	0.40			
				150	5.00	5	0.20			
150				160	6.83	10	0.52			
		silicified biotite-quartz porphyry		170	8.17	10	0.76			

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
		20° w: 1cm pyrite-chalcocite vein		180	10.00	10	0.48			
		silicified porphyry		185	5.00	5				
		pyrite-chalcocite network vein		192.5	2.50	2.5	1.20			
200				202.5	3.50	10	0.46			
		highly silicified rock		212.5	10.00	10	2.00			
		pyrite-chalcocite-quartz network abundant		212.5	5.00	5				
		1.50° w: 1cm pyrite-chalcocite vein		222.5	5.00	5	1.18			
		highly silicified porphyry		222.5	5.00	5	0.80			
				230	2.60	2.5	0.20			
		pyrite-chalcocite stringer network		242.5	10.00	10	2.00			
		silicified biotite porphyry biotite - brown relic		250	10.00	10	0.65			
250				252.5	2.50	2.5	0.65			
		weakly silicified biotite porphyry (biotite - brown relic felspar - organized)		262.5	10.00	10	0.30			
		1.00° pyrite-chalcocite quartz vein w: 1cm		272.5	10.00	10	1.23			
		mineralization to conform with vein		282.5	9.00	10	2.70			
		1.60° pyrite-chalcocite- quartz vein, w: 1cm		287.5	4.50	5	0.34			
		silicified biotite porphyry (felspar: organized)		292.5	4.67	5	0.34			
				297.5	5.00	5	0.34			
300				301	2.50	3.5	0.13			
		silicified biotite porphyry (biotite - brown relic felspar - organized)		308	7.00	7.0	1.05			
		pyrite-chalcocite-quartz veinlet		318	10.00	10	0.56			
		silicified biotite-quartz-porphyry quartz: 2-3mm		323	5.00	5	0.95			
		pyrite-chalcocite impregnation		328	5.00	5	0.53			
		chalcocite: common (Cu 0.8%)		333	5.00	5	0.46			
				338	3.67	5	0.73			
				341	3.00	3	0.26			
350		weakly silicified biotite porphyry		348	7.00	7	0.52			

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis							
			Sample No	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
		copper grade decrease		353	6.00	6	0.68			
				358	5.00	5	0.50			
		pyrite-chalcocite impregnation		363	5.00	5	0.13			
		weakly silicified biotite porphyry		368	5.00	5	0.13			
		(biotite - brown colored felspar - white organized)		373	5.00	5	0.68			
		pyrite-chalcocite impregnation		380.5	2.50	2.5	0.93			
				390.5	10.00	10	0.36			
				395.5	6.00	5	0.73			
400				400.5	5.00	5	0.73			
		weakly silicified biotite-quartz porphyry		405.5	5.00	5	0.63			
		chalcocite		410.5	5.00	5	0.63			
		1.50° pyrite vein w: 1cm		415.5	4.50	5	0.17			
				425.5	6.00	5	0.18			
		weakly silicified biotite-quartz porphyry (biotite - brown relic felspar - white organized quartz: 2-3mm coarse)		430.5	5.00	5	0.12			
		pyrite impregnation on joint filling pyrite with little amount of chalcocite		435.5	4.00	4	0.12			
				447	12.50	12.5	0.02			
450				453	5.50	6	0.04			
		weakly organized, silicified biotite-quartz porphyry (felspar phenocrysts are completely replaced by clay)		459	6.00	6	0.34			
		pyrite impregnation decrease		464	5.00	5	0.02			
				474	10.00	10	0.05			
		weakly organized, silicified biotite-quartz porphyry		480	6.00	6	0.02			
				485	4.00	5	0.02			
		1.70° w: 2cm quartz veinlet with chalcocite- pyrite		490	5.00	5	0.04			
				495.5	3.50	3.5	0.04			
500				503.5	8.00	10	0.02			
		weakly organized, silicified biotite-quartz porphyry		505	1.60	1.5	0.06			
		joint filling pyrite and stringer		510	5.00	5	0.08			
				515	5.00	5	0.15			
				520	4.00	5	0.15			
				525	4.00	5	0.12			

