

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

CORE LOG and ASSAY

O.D.H. No. K14 Sheet 1
 Total Length 186 feet Core Recovery 83.6%
 Location Kytsindung Elevation 230 m
 Direction Inclination -90°
 Date of Logging from 10
 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 inclination of planar structure
 (bedding plane, intrusive boundary)
 vein, etc.

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth m	Core Length m	Sample Length m	Cu %	Ag %	S %
0		non core							
6.2				8.37					
		silicified biotite porphyry (biotite: 3mm brown relic)							
		chalcocite and pyrite impregnation		16.6	10.33	10.33	0.59		
				25.6	0.0	9	0.62		
		brecciated biotite porphyry		31.25	3.25	5.75	0.12		
		Fe-oxide staining		37.6	4.25	6.25	0.02		
		silicified biotite-quartz porphyry		52.6	5.0	5.0	0.05		
50				52.6	4.2	10	0.03		
		Fe-oxide staining and joint filling		62	3.12	9.5	0.02		
		silicified biotite-quartz porphyry		70	8.6	8	0.02		
				80	5.6	10	0.02		
		Fe-oxide staining and joint filling		87	6.17	7	0.04		
				95	5.6	8	0.01		
100		silicified biotite-quartz porphyry		107	6.33	12	0.02		
				115	7.25	8	0.02		
		oxidized zone with Fe-oxide staining and little amount of pyrite		122	6.6	7	0.01		
				127	6.00	5	0.00		
				137	10.00	10	0.04		
		silicified and weakly chloritized biotite quartz porphyry		144.5	6.5	7.5	0.24		
				149.5	5.00	5	0.22		
150				159.5	10.00	10	0.02		
		Fe-oxide staining		164.5	5.0	5	0.55		
		chalcocite impregnation							
		silicified and weakly chloritized biotite quartz porphyry (biotite: 4-5mm brown relic feldspar: 3mm)							

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth m	Core Length m	Sample Length m	Cu %	Ag %	S %
		chalcocite pyrite impregnation		177	9.75	12.5	1.64		
				182	1.50	5	1.08		
				191.5	2.50	9.5	3.72		
200				204.5	13.00	13	1.39		
		silicified and weakly chloritized biotite quartz porphyry		210.5	8.00	8	0.22		
		chalcocite decrease		217	6.25	6.5	0.07		
				227	10.0	10	0.61		
		silicified and weakly chloritized biotite quartz porphyry (biotite: 4-5mm brown feldspar: 3mm)		237	10.0	10	0.28		
		pyrite impregnation with little amount of chalcocite		247	10.0	10	0.41		
250				255	7.6	5	0.38		
		impregnation of pyrite with little amount of chalcocite		283	8.5	9	0.34		
				270	6.0	5	0.22		
		pyrite impregnation (3% ~ 5%)		277	7.0	7	0.29		
		weakly silicified and chloritized biotite quartz porphyry (biotite: 6mm brown feldspar: 4mm)		287	10.00	10	0.31		
				295.5	9.00	9.5	0.28		
300		weakly chloritized and silicified biotite porphyry		305.5	9.00	9.0	0.24		
		impregnation of pyrite with little amount of chalcocite		312	6.33	6.5	0.22		
				319	6.00	7.0	0.29		
				322.5	7.5	3.5	0.31		
		weakly silicified biotite quartz porphyry (biotite: brown coloured feldspar: brown coloured)		332.0	9.0	10	0.14		
		pyrite impregnation		341.5	9.0	9	0.12		

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth m	Core Length m	Sample Length m	Cu %	Ag %	S %
		pyrite impregnation		351.5	8.5	19	0.14		
		weakly silicified, argillized biotite-quartz porphyry		361.5	10.0	10	0.25		
				371.5	9.5	10	0.05		
		pyrite impregnation		376	4.50	4.5	0.05		
		weakly silicified, argillized biotite porphyry (biotite: brown relic feldspar: white argillized)		384	6.0	6	0.07		
				395	1.0	1	0.05		
				394.5	8.12	9.5	0.01		
400		pyrite impregnation		404.5	3.00	10	0.02		
		weakly silicified, argillized biotite-quartz porphyry		407	2.31	2.5	0.02		
				408	0.87	1	0.02		
		pyrite impregnation		418	1.00	10	0.04		
				423.5	3.5	6.6	0.04		
		weakly silicified, argillized biotite-quartz porphyry		430	4.0	5.6	0.04		
				440	10.0	10	0.04		
		60° pyrite-chalcocite veinlet, w: 5mm		450	9.0	10	0.20		
460				458.5	7.6	8.6	0.10		
		weakly silicified, argillized biotite quartz porphyry (biotite: 5mm brown feldspar: 3mm argillized quartz: 1mm)		463	4.60	4.6	0.10		
		pyrite-chalcocite stringer net work		473	8.0	10	0.80		
		pyrite impregnation (5%)		481	6.0	8	0.16		
486		end		486	-	5	0.16		

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

CORE LOG and ASSAY

D.D.H No. K17

Sheet 1

Total Length 746.5 feet

Core Recovery 28.3%

Location Kyisindoung

Elevation 253 m

Direction

Inclination ~ 90°

Date of Logging from to

Logged by Malegi

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 inclination of planar structure (bedding plane, intrusive boundary) vein, etc.

Depth (feet)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Au	% Ag
0	^		6						
10	^	highly silicified porphyritic rock	10	1.35	4	0.03			
15	^	Fe-oxide staining and joint filling	15	0.76	5	N.D.			
20	^		20	0.83	5	0.01			
25	^		25	0.42	6	0.03			
30	^		30	—	5	—			
35	^	highly silicified porphyritic rock	35	0.17	5	0.01			
40	^		40	0.17	5	N.D.			
45	^		45	0.33	6	0.03			
50	^		50	1	5	0.03			
55	^		55	1	5	Tr			
60	^	highly silicified porphyritic rock	60	3	5	N.D.			
65	^		65	1	5	N.D.			
70	^		70	2.67	6	Tr			
75	^		75	4.00	5	0.03			
80	^	highly silicified biotite porphyry biotite: brown scales	80	4.00	5	Tr			
85	^		85	1.97	5	N.D.			
90	^		90	3.5	5	N.D.			
95	^		95	5	5	Tr			
100	^		100	5	6	Tr			
105	^		105	4.6	5	N.D.			
110	^	highly silicified biotite porphyry	110	5	5	N.D.			
115	^		115	5	5	0.03			
120	^		120	6	5	N.D.			
125	^	leached zone	125	5	5	N.D.			
130	^	Fe-oxide staining and joint filling	130	4	6	0.01			
135	^		135	5	5	0.01			
140	^		140	5	5	N.D.			
145	^	highly silicified biotite porphyry	145	5	6	0.03			
150	^		150	0.25	5	0.03			
155	^		155	0.50	5	0.03			
160	^		160	0	5	—			
165	^	highly silicified biotite porphyry	165	1.85	5	0.03			
170	^		170	0.92	6	0.03			
175	^		175	1.00	5	0.03			

Depth (feet)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Au	% Ag
180	^		180	1.33	5	0.03			
185	^		185	1.5	5	0.03			
190	^	leached zone Fe-oxide staining and joint filling	190	0.62	5	0.03			
195	^		195	—	5	—			
200	^	highly silicified biotite porphyry	200	—	5	—			
205	^		205	1.0	5	0.03			
210	^		210	1.0	5	Tr			
215	^		215	1.33	5	0.05			
220	^		220	0	5	—			
225	^	Fe-oxide staining with little amount of pyrite impregnation	225	0.76	6	0.03			
230	^		230	0.75	5	Tr			
235	^		235	1.33	5	0.03			
240	^		240	1.75	5	Tr			
245	^		245	1.09	5	0.03			
250	^	silicified and argillized biotite porphyry	250	3.00	5	0.03			
255	^		255	0.50	5	0.05			
260	^		260	1.00	5	0.05			
265	^	Fe-oxide staining with little amount of pyrite impregnation	265	0.50	5	N.D.			
270	^		270	0	5	—			
275	^		275	1.25	5	N.D.			
280	^		280	0.12	5	1.001			
285	^		285	0.33	5	N.D.			
290	^		290	0.25	5	Tr			
295	^		295	—	5	—			
300	^	silicified and argillized biotite porphyry	300	0.5	5	N.D.			
305	^		305	2.67	5	N.D.			
309.85	^		309.85	4.33	4.83	0.03			
320	^	highly silicified biotite porphyry	320	4.56	10.17	N.D.			
330	^		330	0.50	10	Tr			
340	^		340	1.50	10	0.03			
350	^	highly silicified biotite porphyry	350	0.75	10	0.03			

Depth (feet)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Au	% Ag
360	^	highly silicified biotite porphyry (Fe-oxide staining and joint filling)	360	0.17	10	Tr			
370	^		370	2.25	10	0.03			
380	^		380	0.92	10	0.03			
390	^	silicified and argillized biotite porphyry	390	2.6	10	0.03			
400	^	leached zone	400	4.25	10	0.03			
410	^		410	3.33	10	0.03			
420	^	silicified and argillized biotite porphyry	420	1.00	10	0.03			
430	^		430	6.25	10	0.03			
440	^	core loss	440	0.00	10	N.D.			
450	^		450	0.00	10	0.03			
460	^		460	0.00	10	—			
470	^	silicified and argillized biotite porphyry	470	0.92	10	N.D.			
480	^	leached zone (Fe-oxide staining and joint filling)	480	1.33	10	0.01			
490	^		490	0.33	10	0.01			
500	^	silicified and argillized biotite porphyry	500	0.50	10	0.03			
510	^		510	2.33	10	0.01			
520	^		520	0.25	10	0.04			

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu	% Ag	% Au	% S
		altered and argillized blotite porphyry	530	0.25	10	N.D.			
			540	1.00	10	0.03			
		leached zone	550	0.75	10	0.05			
			560	0.50	10	N.D.			
			565	0.25	5	0.03			
		altered and argillized blotite porphyry							
		blotite - brown relict feldspar - argillized							
		leached zone							
			595	0.25	30	N.D.			
			600	1.07	5	N.D.			
			602	0.50	2	N.D.			
			608	0.58	4	N.D.			
			610	0.50	4	N.D.			
		highly altered blotite porphyry	613.5	0.33	3.5	N.D.			
			619.5	0.50	6	0.03			
			624.5	0.57	6	N.D.			
			629.5	0.83	5	N.D.			
		leached zone Fe-oxide staining	635.5	1	0	0.03			
			641	0.08	5.5	0.03			
			651	0.33	10	N.D.			
			654	2.33	3	0.03			
		pyrite impregnation	658	4	4	0.05			
		highly altered blotite porphyry	658	0.07	1	0.03			
			665	2	3	0.13			
		chalcocite impregnation (increase)	976.5	1	10.5	0.15			
			688.5	0.48	10	1.70			
		highly altered blotite porphyry (blotite - brown relict)	690	2	3.5	1.15			
			693	5	5.0	0.95			
700			698	4	4.0	0.65			

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu	% Ag	% Au	% S
		chalcocite impregnation (decrease)	700.5	6.12	7.5	0.25			
			707.5	1	1.0	0.20			
			711.5	3.07	4.0	0.13			
			712.5	1	1.0	0.15			
			720	5	7.5	0.25			
			723.5	3.5	3.5	0.10			
			725	2.5	2.5	0.05			
			726.5	0.5	0.5	0.05			
			729	2.0	2.5	0.08			
			731	1.58	2	0.15			
		highly altered blotite porphyry	732.5	0.67	1.5	0.13			
		blotite - brown relict feldspar - argillized	733	0.51	0.5	0.18			
			735	0.82	2	0.08			
			736.042	2.5	0.30				
			741.5	0.17	4	0.18			
			7465	1.50	5	0.25			
2485		end							

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu	% Ag	% Au	% S

PL. I-9-II

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

CORE LOG and ASSAY

D.D.H. No. K17 Sheet 2

Total Length 746.5 feet Core Recovery 28.3%

Location Kyisindoung Elevation 253 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 inclination of planar structure
(bedding plane, intrusive boundary)
vein, etc.

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

CORE LOG and ASSAY

D.D.H. No. K19

Sheet 1

Total Length 710 feet

Core Recovery 74.1 %

Location Kytsindaung

Elevation 180 m

Direction

Inclination -90°

Date of Logging from to

Logged by Moleggi

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
0	^									
10	^	argillized and weakly silicified porphyry		10						
	^			15	2.6	5	0.16			
	^			20	0.97	5	0.15			
	^			26						
	^			30	0.5	5	0.13			
	^	argillized and weakly silicified porphyry		35	1.0	5	0.16			
	^			40	1.00	5	0.05			
	^			45	2.00	5	0.18			
60	^			50	3.42	5	0.08			
	^			55	2.67	5	0.13			
	^			60	2.17	5	0.13			
	^			65	1.6	5	0.10			
	^	argillized and weakly silicified biotite porphyry		70	1.5	5	0.15			
	^	(biotite is brown rather talcose; argillized.		75	1.09	5	0.13			
	^			80	1.08	5	0.10			
	^			85	2.25	5	0.08			
	^	Fe-oxide staining and joint filling		90	1.75	5	0.08			
	^			95	2.00	5	0.05			
100	^			100	3.87	5	0.10			
	^	argillized and weakly silicified biotite porphyry		105	3.00	5	0.10			
	^	(biotite is 2-3mm brown talcose; 3mm argillized		110	3.00	5	0.10			
	^			115	2.5	5	0.10			
	^			120	3.00	5	0.13			
	^			125	5.00	5	0.05			
	^	argillized biotite porphyry		130	4.00	5	0.08			
	^			135	2.08	5	0.10			
	^			140	3.00	5	0.05			
	^			145	1.83	5	0.10			
160	^			150	4.42	5	0.13			
	^			155	4.5	5	0.08			
	^	argillized biotite porphyry		160	2.5	5	0.08			
	^			165	2.0	5	0.13			
	^			170	3.0	5	0.08			
	^			175	5.0	5	0.10			

Depth (feet)	Columnar Section	Portioncutors	Results of Chemical Analysis							
			Sample No	Depth	Core Length	Sample Length	Cu %	% Au	% Ag	S
	^			180	5.0	5	0.13			
	^	chalcosite- coated-pyrite		185	5.0	5	0.80			
	^			190	2.0	5	0.83			
	^			195	3.5	5	0.50			
200	^	brown coloured argillized biotite porphyry		200	3.17	5	0.95			
	^			205	2.25	5	0.05			
	^			210	2.5	5	0.03			
	^			215	5.0	5	0.05			
	^	argillized biotite porphyry	pyrite, chalcosite impregnation	220	3.67	5	0.85			
	^			225	5.00	5	1.00			
	^			230	2.5	5	1.05			
	^			235	4.67	5	1.05			
	^		pyrite and chalcosite impregnation and joint filling	240	3.93	5	0.83			
	^			245	3.5	5	0.95			
260	^	argillized biotite porphyry		250	5.0	5	0.80			
	^			255	5.0	5	0.83			
	^		pyrite and chalcosite impregnation and joint filling	260	3.87	5	0.63			
	^			265	4.6	5	0.30			
	^	argillized biotite porphyry		270	5.0	5	0.40			
	^			275	2.17	5	0.40			
	^		pyrite and chalcosite impregnation and joint filling	280	5.0	5	0.73			
	^			285	3.75	5	0.45			
	^	argillized biotite porphyry		290	3.75	5	0.43			
	^			295	5.0	5	0.33			
300	^			300	3.33	5	0.18			
	^	argillized and weakly silicified biotite porphyry	pyrite-chalcosite- quartz stringer	305	5.0	5	0.15			
	^			310	4.5	5	0.05			
	^			315	4.83	5	0.05			
	^			320	4.42	5	0.03			
	^		pyrite-chalcosite- quartz stringer	325	4.58	5	0.03			
	^			330	5.0	5	0.08			
	^	argillized and weakly silicified biotite porphyry		335	4.0	5	0.05			
	^			340	4.5	5	0.08			
	^			345	5.0	5	0.03			
350	^		pyrite-chalcosite- quartz stringer	350	4.33	5	0.10			

Depth (feet)	Columnar Section	Particulars	Results of Chemical Analysis								
			Sample No.	Depth	Core Length	Sample Length	Cu %	% Au	% Ag	S	
	^	argillized and silicified biotite porphyry		355	5.00	5	0.05				
	^				360	4.33	5	0.03			
	^				365	5.0	5	0.05			
	^	highly silicified porphyry		370	4.67	5	0.43				
	^		pyrite-chalcosite- quartz stringer and pyrite impregnation		375	5.0	5	0.08			
	^				380	5.0	5	0.15			
	^				385	5.0	5	0.09			
	^	highly silicified porphyry		390	5.0	5	0.56				
	^				395	5.0	5	0.93			
400	^				400	4.67	5	1.05			
	^	highly silicified porphyry		405	5.0	5	2.73				
	^				410	5.0	5	1.48			
	^				415	5.0	5	0.76			
	^				420	5.0	5	0.20			
	^				425	5.0	5	0.23			
	^		pyrite-chalcosite stringer and impregnation		430	4.75	5	0.36			
	^					435	4.25	5	0.63		
	^	highly silicified porphyry		440	4.67	5	0.45				
	^		pyrite-chalcosite impregnation		445	5.0	5	0.33			
450	^					450	4.63	5	0.28		
	^	weakly altered biotite porphyry		455	4.75	5	0.38				
	^		pyrite impregnation		460	5.0	5	0.23			
	^					465	4.0	5	0.05		
	^	argillized and weakly silicified biotite porphyry		470	4.25	5	0.26				
	^		vertical veinlet of chalcosite		475	5.0	5	1.88			
	^					485	4.5	5	2.88		
	^		chalcosite		480	4.25	5	0.33			
	^					495	4.42	5	0.13		
	^		pyrite impregnation		500	5.0	5	0.15			
500	^					505	5.0	5	0.05		
	^	impregnation of fine grain pyrite		510	5.0	5	0.10				
	^				515	5.0	5	0.08			
	^				520	5.0	5	0.15			
	^				525	5.0	5	0.03			

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

CORE LOG and ASSAY

D.D.H. No. K19

Sheet 2

Total Length 710 feet

Core Recovery 74.1 %

Location Kyisindong

Elevation 180 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 breccio
 Rhyolite
 Hornblende biotite porphyry
 Size grading ()
 in clination of planar structure
(bedding plane, intrusive boundary
vein, etc.

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
550	^	impregnation of fine grain pyrite	530	5.0	5	0.08				
			535	5.0	5	0.20				
		argillized biotite porphyry (biotite and epidote are argillized)	540	4.5	5	0.03				
			545	5.0	5	0.05				
		impregnation of fine grain pyrite	550	1.75	5	0.10				
			555	1.75	5	0.50				
		argillized biotite porphyry	560	4.0	6	0.08				
			565	5.0	5	0.03				
		pyrite-quartz stringer and pyrite impregnation	570	5.0	5	0.08				
			575	4.83	5	0.05				
600	^	argillized and weakly chloritized biotite porphyry	580	3.0	5	0.03				
			585	3.75	5	0.03				
		fine grain pyrite impregnation	590	3.33	6	0.03				
			595	4.17	5	0.05				
		weak chloritization	600	3.5	6	0.05				
			605	5.0	5	0.05				
		fine grain pyrite impregnation	610	2.5	5	0.03				
			615	5.07	5	0.05				
		weakly altered biotite-quartz porphyry	620	3.5	5	0.03				
			625	4.33	5	0.03				
650	^	fine grain pyrite impregnation	630	1.0	6	0.03				
			635	0.75	5	0.06				
		weakly altered (chloritized) biotite-quartz porphyry	640	3.33	5	0.10				
			645	2.67	5	0.13				
		fine grain pyrite impregnation	650	0.75	5	0.25				
			655	2.0	5	0.08				
		weakly altered biotite-quartz porphyry	660	5.0	5	0.03				
			665	4.67	5	0.13				
		fine grain pyrite impregnation	670	5.0	5	0.08				
			675	2.67	5	0.05				
700	^	weakly altered biotite-quartz porphyry	680	5.0	5	0.08				
			685	5.0	5	0.04				
		fine grain pyrite impregnation	690	4.5	5	0.05				
			695	4.0	5	0.13				
		green colored biotite-quartz porphyry	700	5.0	5	0.21				

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %
710	^	argillized, chloritized biotite-quartz porphyry	705	2.17	5	0.16				
			710	1.68	5	0.03				

Depth (feet)	Column Section	Particulars	Results of Chemical Analysis							
			Sample No.	Depth	Core Length	Sample Length	Cu %	Ag %	As %	S %

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

CORE LOG and ASSAY

D.D.H. No. K14D

Sheet 1

Total Length 800 feet

Core Recovery 84.2%

Location Kyaukseung

Elevation 184.9 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 direction of plunger structure

(bedding plane, intrusive boundary)
vein, etc.

Depth (feet)	Core Sample	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Ag	% S
0		non core							
50		non core							
85		altered, porphyritic rock							
100		altered biotite porphyry							
150		altered biotite quartz porphyry							
170		altered biotite quartz porphyry							

Depth (feet)	Core Sample	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Ag	% S
180		altered biotite quartz porphyry							
190		altered biotite quartz porphyry							
200		altered biotite quartz porphyry							
210		altered biotite quartz porphyry							
220		altered biotite quartz porphyry							
230		altered biotite quartz porphyry							
240		altered biotite quartz porphyry							
250		altered biotite quartz porphyry							
260		altered biotite quartz porphyry							
270		altered biotite quartz porphyry							
280		altered biotite quartz porphyry							
290		altered biotite quartz porphyry							
300		altered biotite quartz porphyry							
310		altered biotite quartz porphyry							
320		altered biotite quartz porphyry							
330		altered biotite quartz porphyry							
340		altered biotite quartz porphyry							
350		altered biotite quartz porphyry							

Depth (feet)	Core Sample	Particulars	Results of Chemical Analysis						
			Sample No.	Depth	Core Length	Sample Length	% Cu	% Ag	% S
360		altered biotite quartz porphyry							
370		altered biotite quartz porphyry							
380		altered biotite quartz porphyry							
390		altered biotite quartz porphyry							
400		altered biotite quartz porphyry							
410		altered biotite quartz porphyry							
420		altered biotite quartz porphyry							
430		altered biotite quartz porphyry							
440		altered biotite quartz porphyry							
450		altered biotite quartz porphyry							
460		altered biotite quartz porphyry							
470		altered biotite quartz porphyry							
480		altered biotite quartz porphyry							
490		altered biotite quartz porphyry							
500		altered biotite quartz porphyry							
510		altered biotite quartz porphyry							
520		altered biotite quartz porphyry							
530		altered biotite quartz porphyry							
540		altered biotite quartz porphyry							
550		altered biotite quartz porphyry							

Depth (feet)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu %	Ag %	As %	S %
550	^	highly silicified, epidotized biotite quartz porphyry	530	5.00	5	0.21			
	^		535	5.00	5	0.10			
	^		540	5.00	5	0.06			
	^		545	5.00	5	0.06			
	^		550	5.00	5	0.10			
	^		555	5.00	5	0.16			
	^		560	5.00	5	0.13			
	^		565	5.00	5	0.08			
	^		570	5.00	5	0.11			
	^		575	5.00	5	0.15			
	^	silicified, epidotized biotite quartz porphyry (biotite's brown refect)	580	5.00	5	0.19			
	^		585	5.00	5	0.08			
	^		590	5.00	5	0.10			
	^		595	5.00	5	0.20			
	^		600	5.00	5	0.09			
	^		605	5.00	5	0.10			
	^		610	5.00	5	0.08			
	^		615	5.00	5	0.05			
	^		620	5.00	5	0.21			
	^		625	5.00	5	0.15			
	^	highly silicified biotite quartz porphyry	630	5.00	5	0.05			
	^		635	5.00	5	0.15			
	^		640	5.00	5	0.30			
	^		645	5.00	5	0.16			
	^		650	4.93	5	0.25			
	^		655	5.00	5	0.15			
	^		660	5.00	5	0.30			
	^		665	5.00	5	0.18			
	^		670	5.00	5	0.09			
	^		675	5.00	5	0.05			
	^	highly silicified biotite quartz	680	5.00	5	0.06			
	^		685	5.00	5	0.03			
	^		690	5.00	5	0.05			
	^		695	5.00	5	0.10			
	^		700	5.00	5	0.10			

Depth (feet)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu %	Ag %	As %	S %
	^	silicified and epidotized biotite quartz porphyry	705	5.00	5	0.08			
	^		710	5.00	5	0.10			
	^		715	5.00	5	0.05			
	^		720	5.00	5	0.18			
	^		725	5.00	5	0.09			
	^		730	5.00	5	0.04			
	^		735	5.00	5	0.10			
	^		740	5.00	5	0.10			
	^		745	5.00	5	0.10			
	^		750	5.00	5	0.15			
760	^	silicified biotite quartz porphyry	755	5.00	5	0.10			
	^		760	5.00	5	0.01			
	^		765	5.00	5	0.28			
	^		770	5.00	5	0.13			
	^		775	5.00	5	0.10			
	^		780	5.00	5	0.13			
	^		785	5.00	5	0.10			
	^		790	5.00	5	0.38			
	^		795	5.00	5	0.06			
	^		800	5.00	5	0.16			
800	end								

Depth (feet)	Core Section	Particulars	Results of Chemical Analysis						
			Sample No.	Core Depth	Sample Length	Cu %	Ag %	As %	S %

PL. I-9-14

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

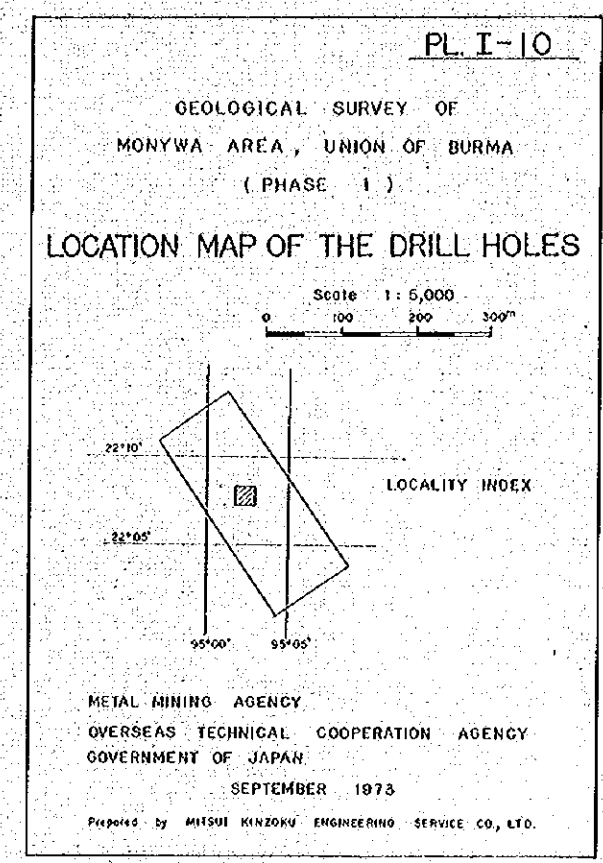
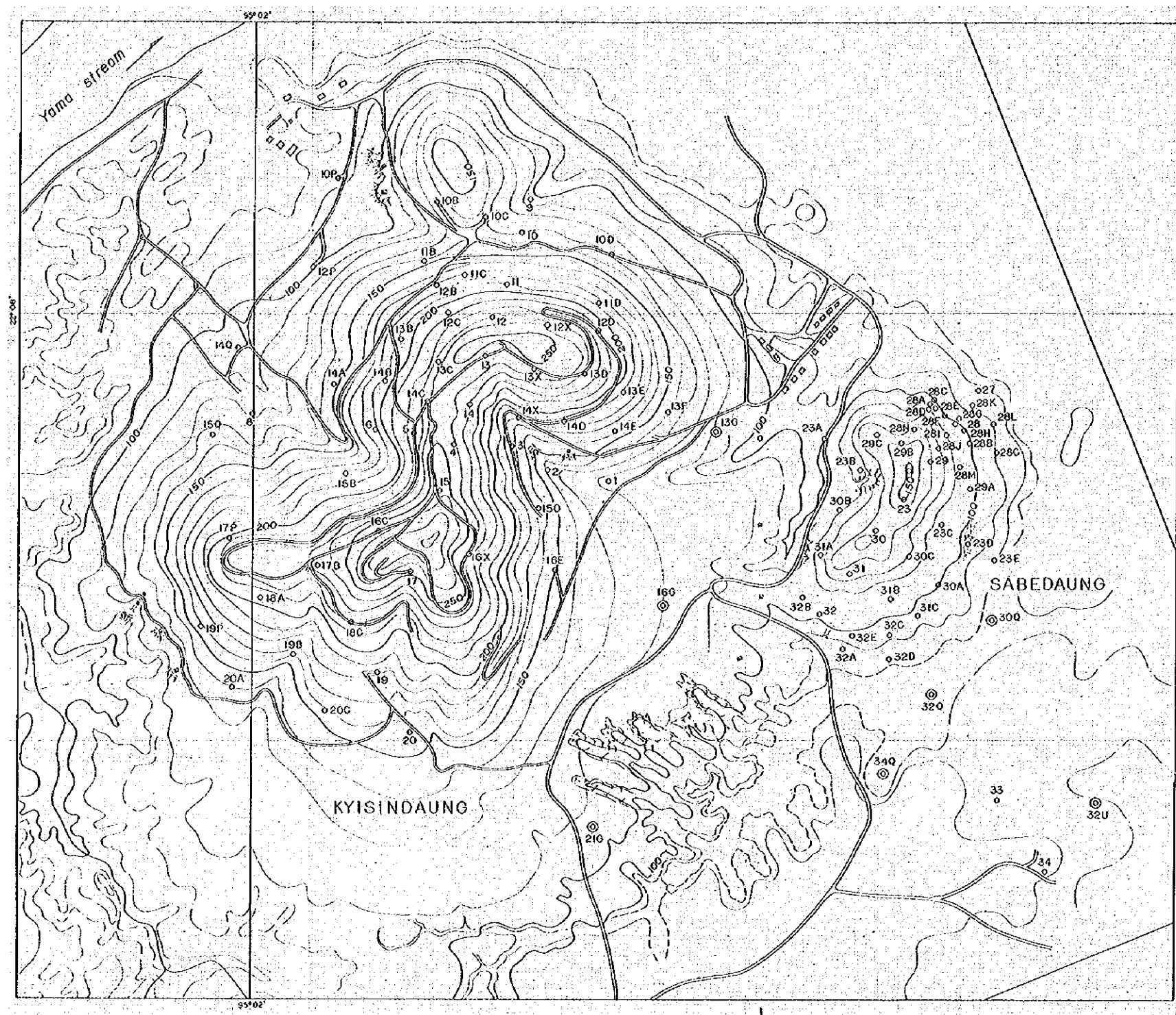
CORE LOG and ASSAY

D.O.H No. K140 Sheet 2
Total Length 800 feet Core Recovery 84.2 %
Location Kytsingayung Elevation 184.9 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 breccia
-  Rhyolite
-  Hornblende biotite porphyry
-  Size grading (
-  in inclination of planar structure
(bedding plane, intrusive boundary)
vein, etc.

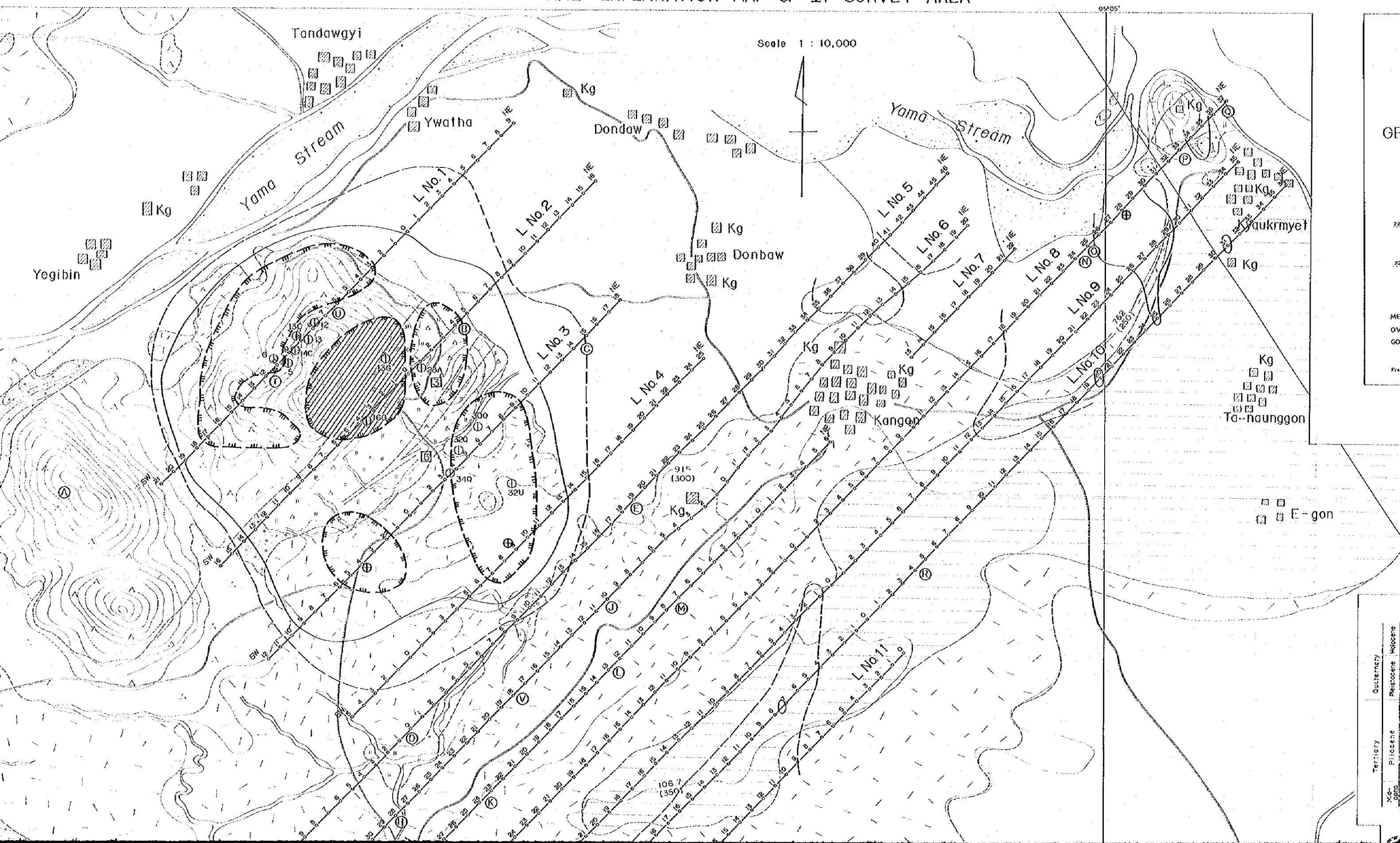


LEGEND

- ⊙ Drill Hole by Japanese Survey Team
- Drill Hole by M.M.D.C.
- Jeepable Road
- 100 Contours (Interval 10m)
- Old Working

LIST OF PLATE

Plate II-1-1.	General Map of I. P. Area	1/10,000
II-1-2.	Relation Map of I. P. Lines surveyed and Drill Sites (Kyisindaung and Sabedaung)	1/ 4,800
II-2-1.	Panel Diagram of AR Line No. 1 No. 4	1/10,000
II-2-2.	Panel Diagram of AR Line No. 5 No. 11	"
II-2-3.	Panel Diagram of FE Line No. 1 No. 3	"
II-2-4.	Panel Diagram of FE Line No. 5 No. 11	"
II-2-6.	Panel Diagram of MF Line No. 5 No. 11	"
II-3-1.	Panel Diagram of IP Bodies by Simulation	
II-3-2.	Diagrams of FE Anomalies, Field and Simulation	
II-4.	Correlation of IP Anomaly, Geology, and Drilling (Line No. 1)	
II-5-1.	Plan of AR 0 m sea level	1/10,000
II-5-2.	" -100 m "	"
II-5-3.	" -200 m "	"
II-5-4.	Plan of FE 0 m sea level	"
II-5-5.	" -100 m "	"
II-5-6.	" -200 m "	"
II-5-7.	Plan of MF 0 m sea level	"
II-5-8.	" -100 m "	"
II-5-9.	" -200 m "	"
II-6-1.	I. P. Profile on Line No. 1	1/ 5,000
II-6-2.	" " No. 2	"
II-6-3.	" " No. 3	"
II-6-4.	" " No. 4	"
II-6-5.	" " No. 5	"
II-6-6.	" " No. 6	"
II-6-7.	" " No. 7	"
II-6-8.	" " No. 8	"
II-6-9.	" " No. 9	"
II-6-10.	" " No. 10	"
II-6-11.	" " No. 11	"



GE

22°

22°

ME

OV

GOV

Prop

Tertiary		Quaternary	
Mio- cene	Pliocene	Pleistocene	Holocene

Scale 1 : 10,000

Yama Stream

L No. 5

L No. 6

L No. 7

L No. 8

L No. 9

L No. 10

L No. 11

Kg

Donbaw

Kg

Kg

Kangan

Kg

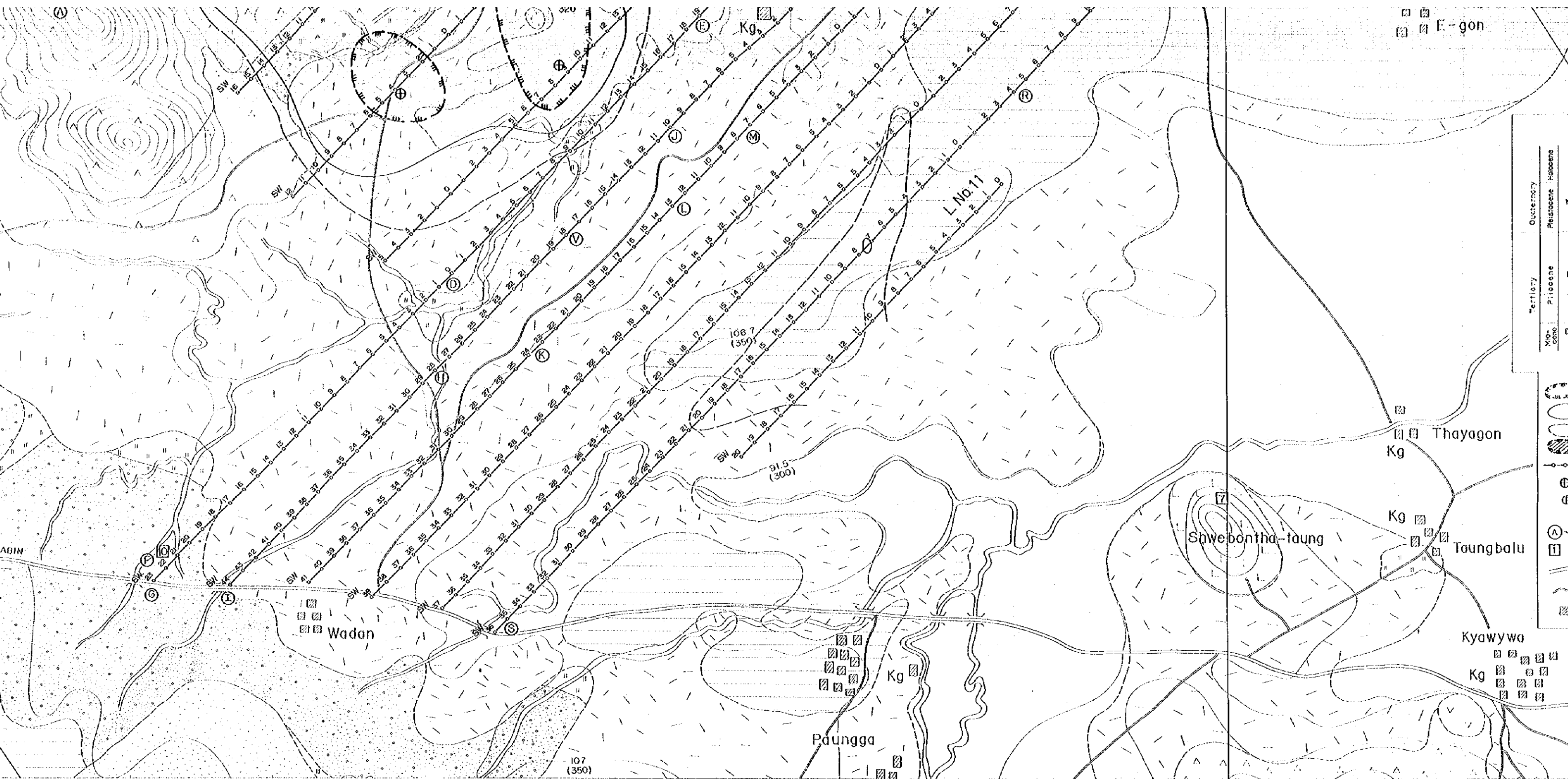
Kyaukrmye

Kg

To-naunggon

E

SYMBOLS

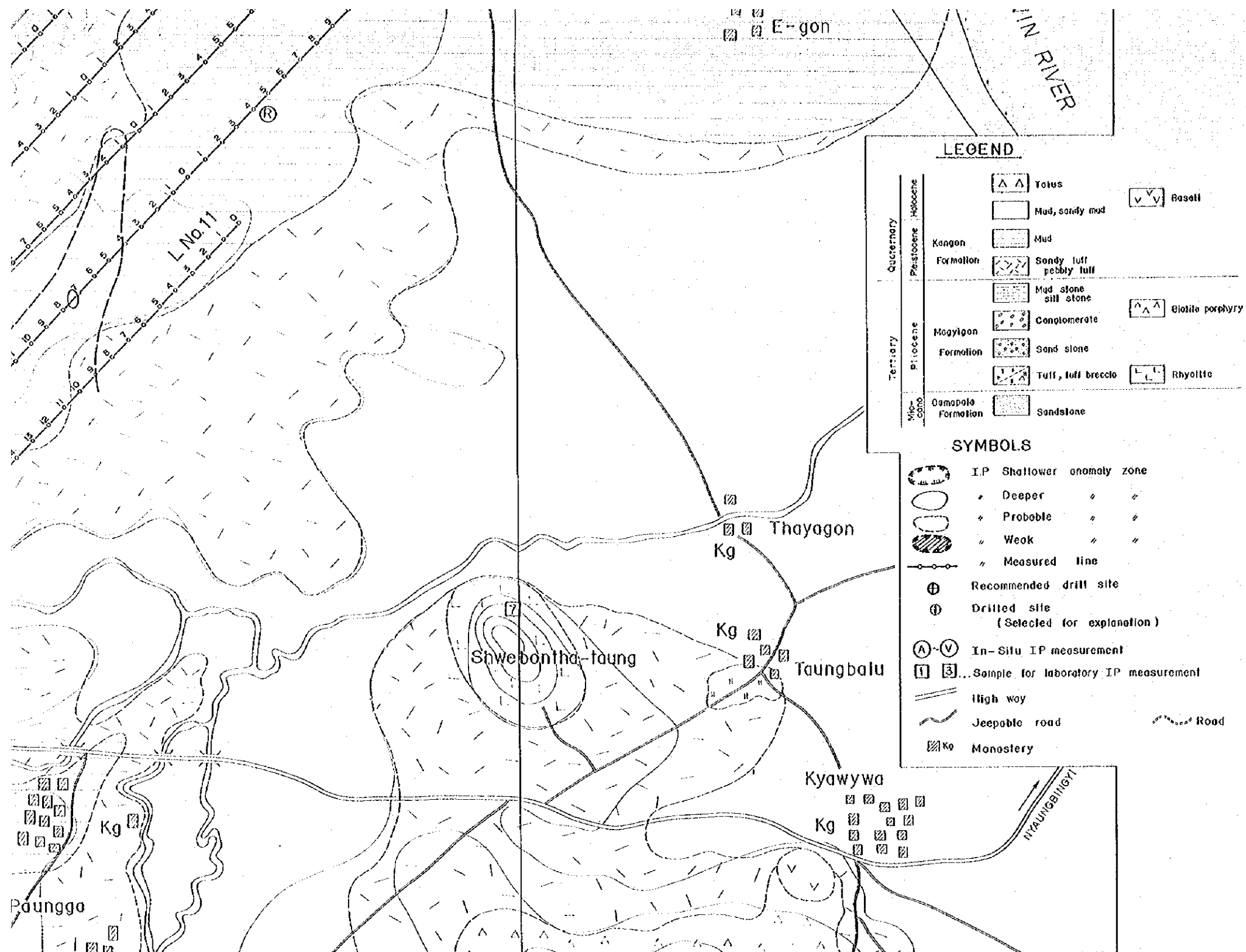


□ □ E-gon

Tertiary Quaternary Pleistocene Holocene

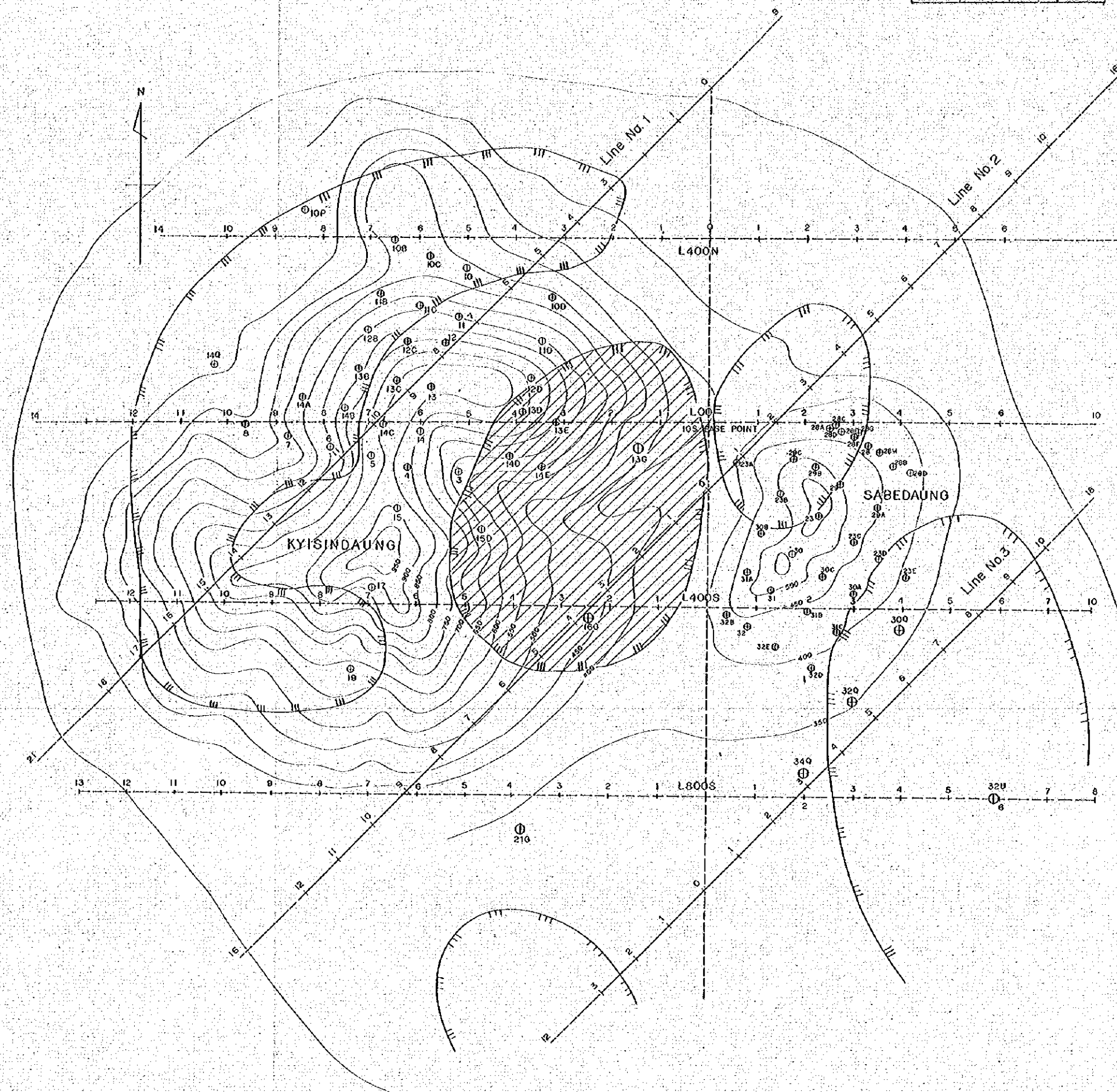
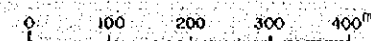
0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10



PL. II-1-2 RELATION MAP OF IP LINES SURVEYED AND DRILL SITES
(Kyisindaung and Sabedaung)

Scale 1 : 4,800



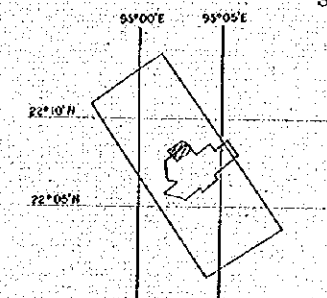
PL. II-1-2

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

RELATION MAP OF IP LINES SURVEYED
AND DRILL SITES
(Kyisindaung and Sabedaung)

SCALE 1 : 4,800

LOCALITY INDEX



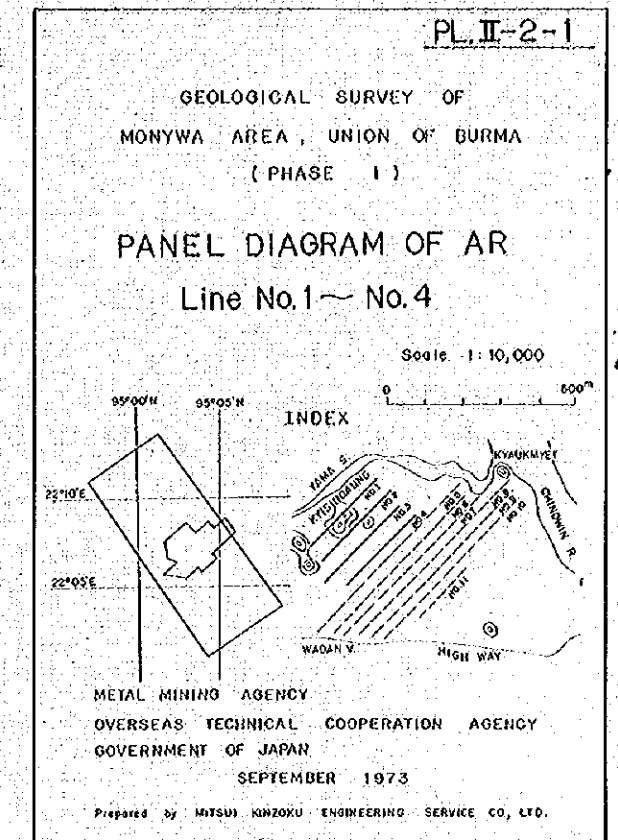
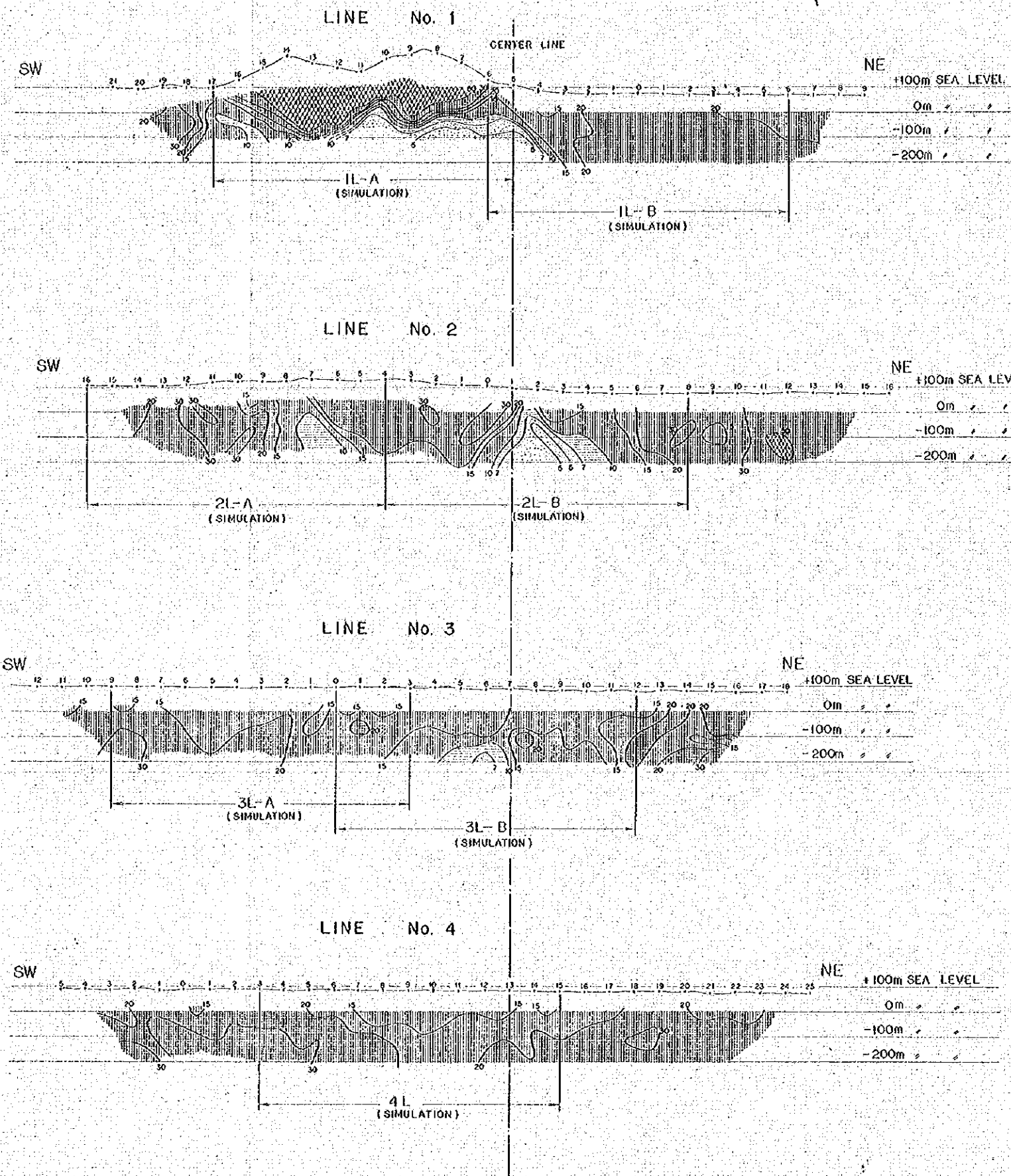
METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973

Prepared by MITSUBI KINZOKU ENGINEERING SERVICE CO., LTD.

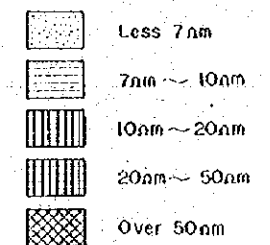
LEGEND

- 2 3 IP Line measured in 1971
- 7 8 IP Line measured in 1973
- Survey base line
- IP shallower anomaly zone
- IP deeper anomaly zone
- IP weak anomaly zone
- ⊙ Hole drilled by Burmese teams
- ⊕ Hole drilled by Japanese teams

PL.II-2-1 PANEL DIAGRAM OF AR DISTRIBUTION (1)

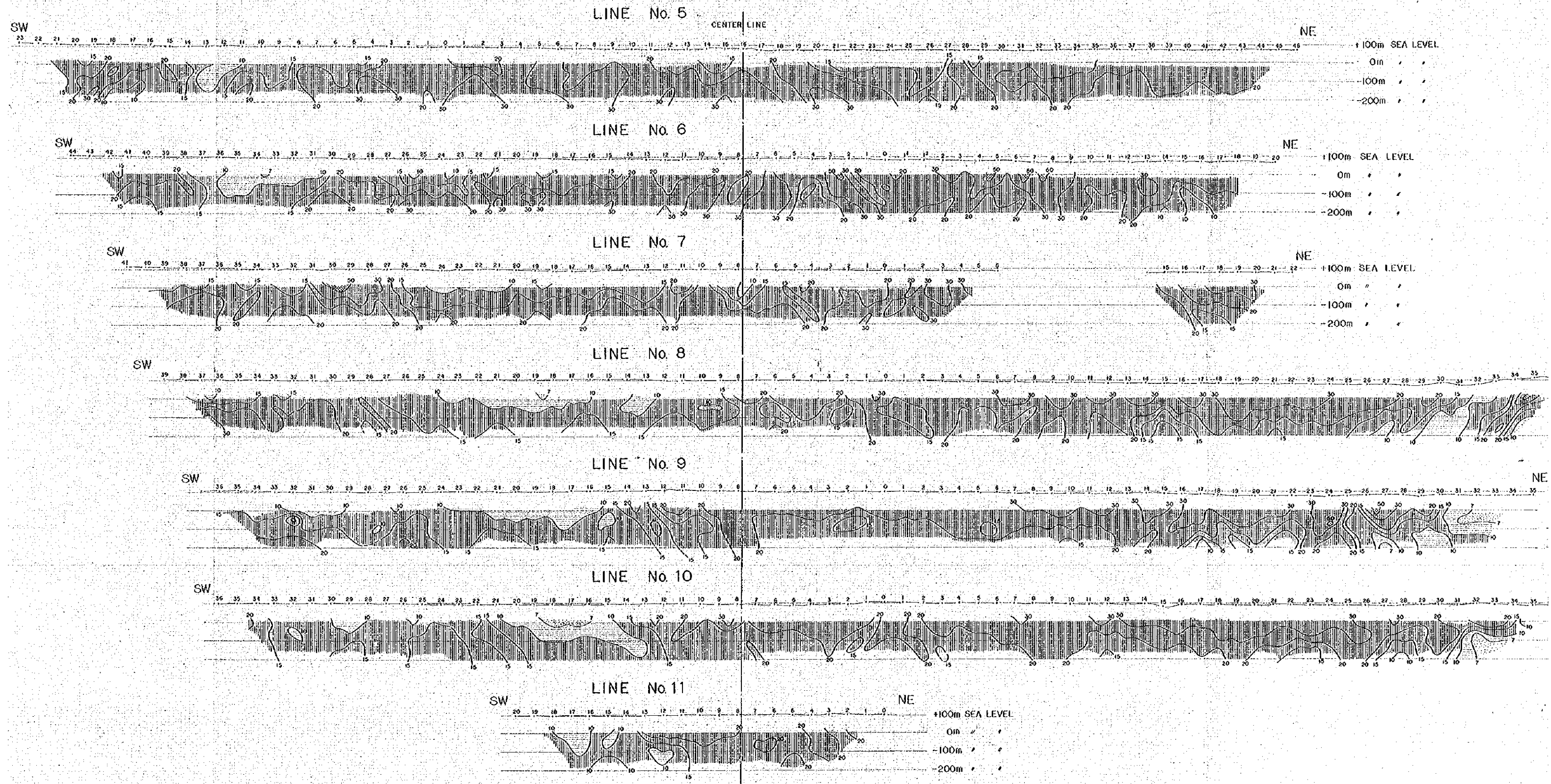


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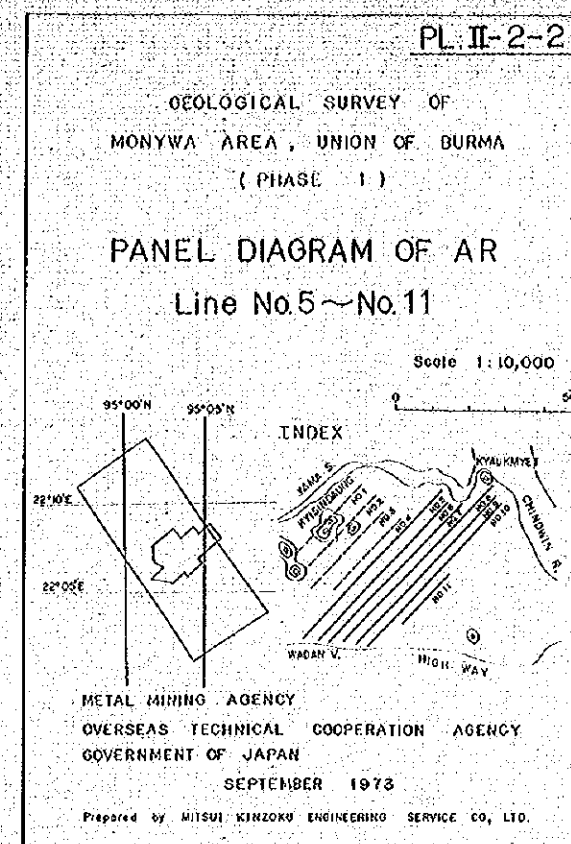
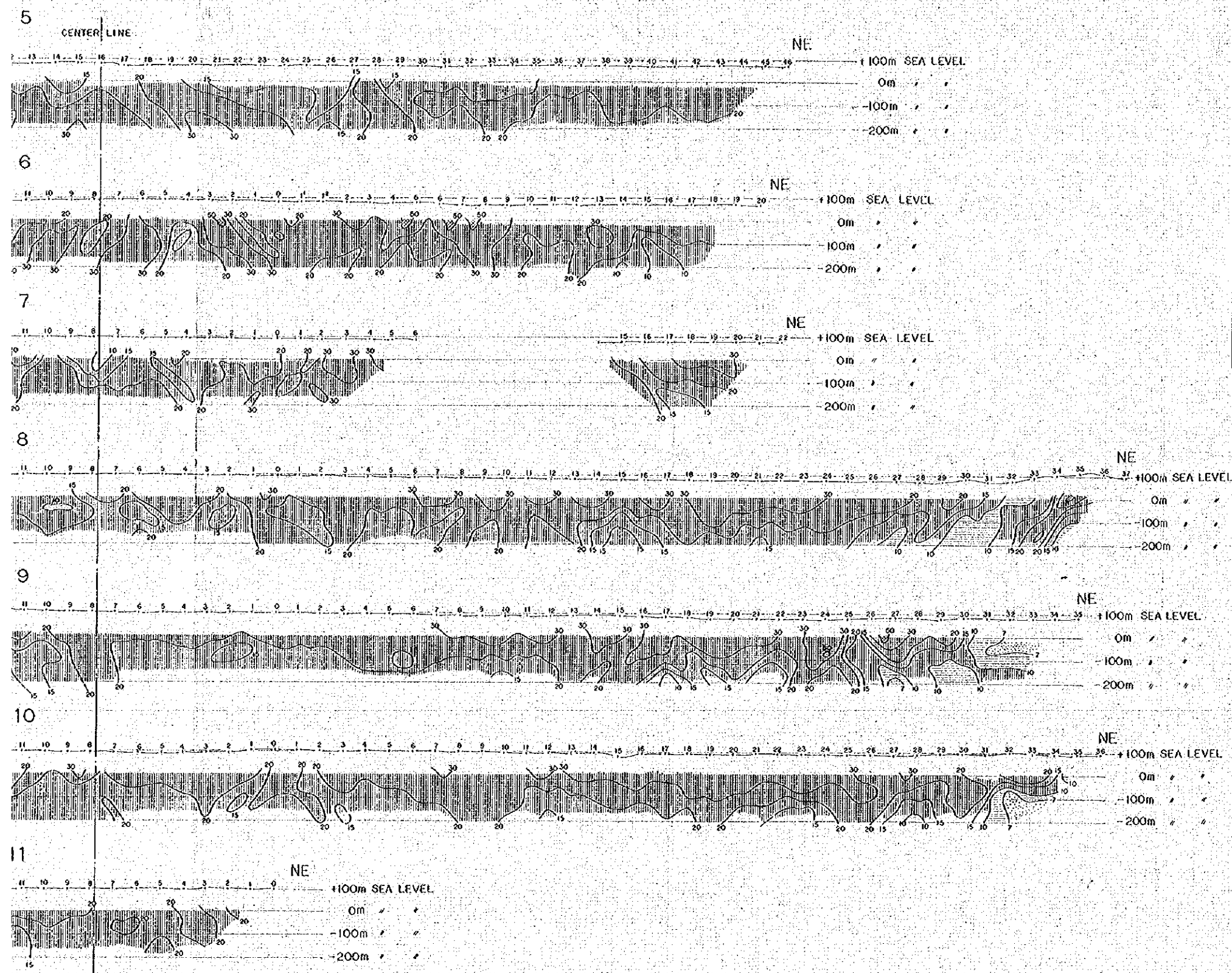


PL. II-2-2

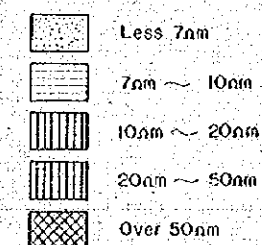
PANEL DIAGRAM OF AR DISTRIBUTION (2)



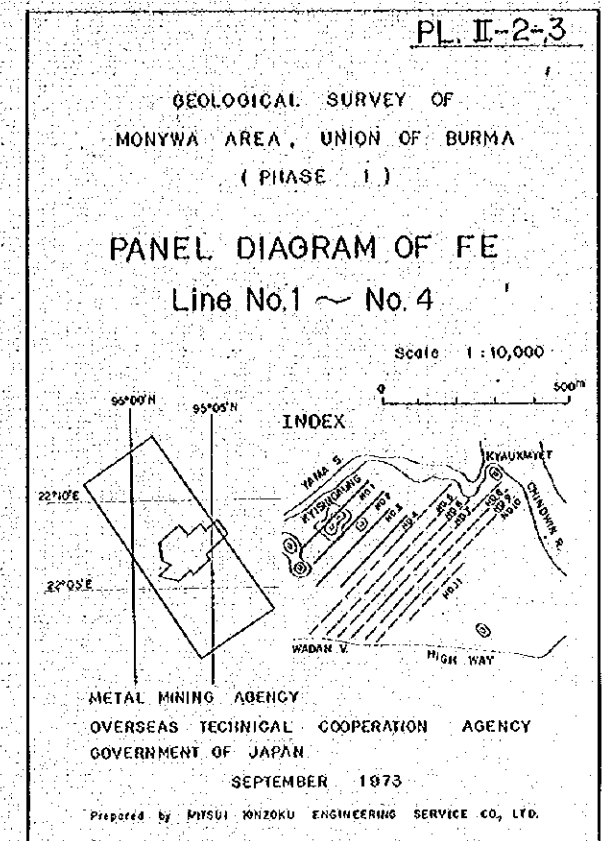
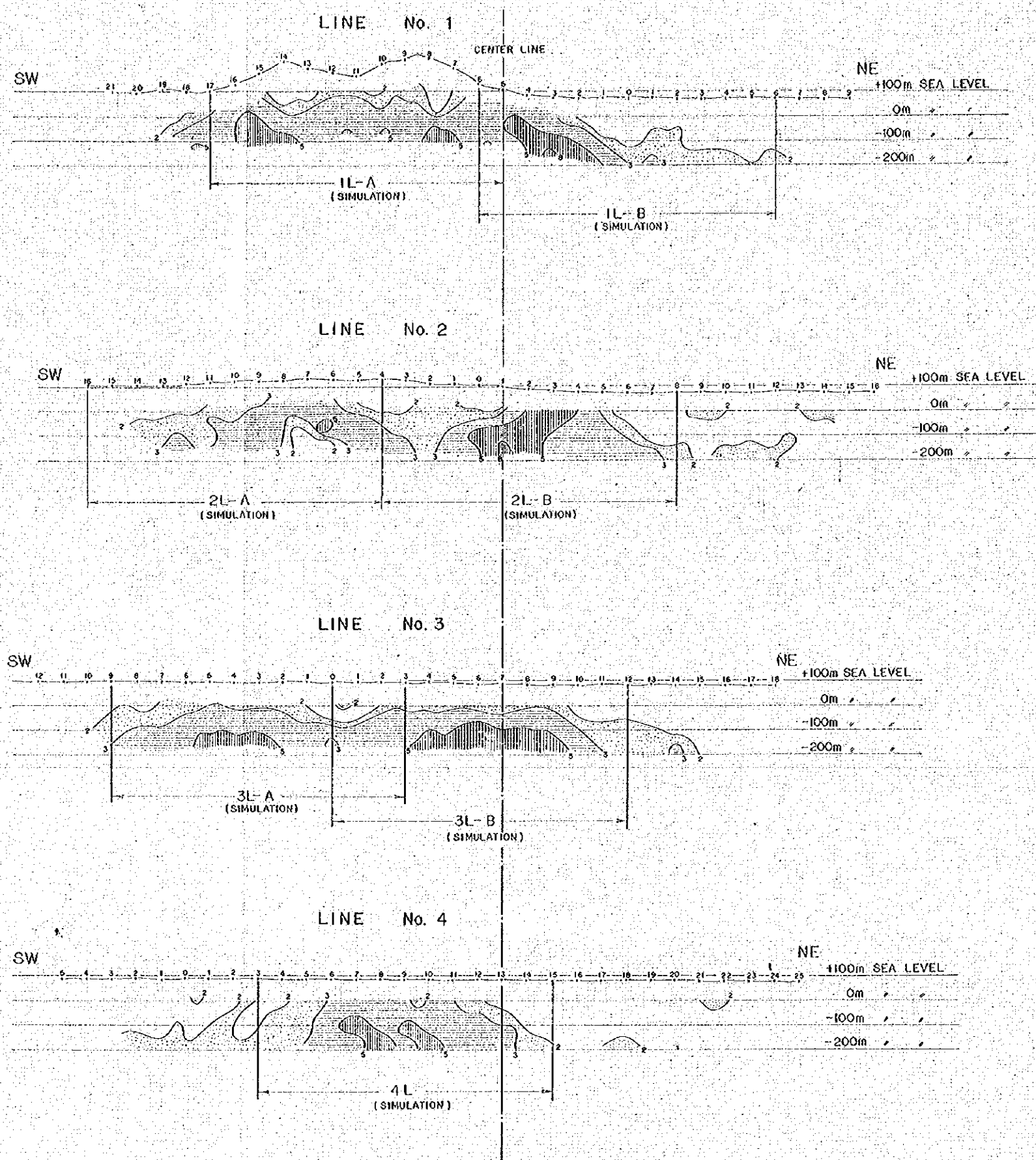
AR DISTRIBUTION (2)



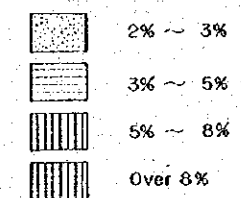
LEGEND



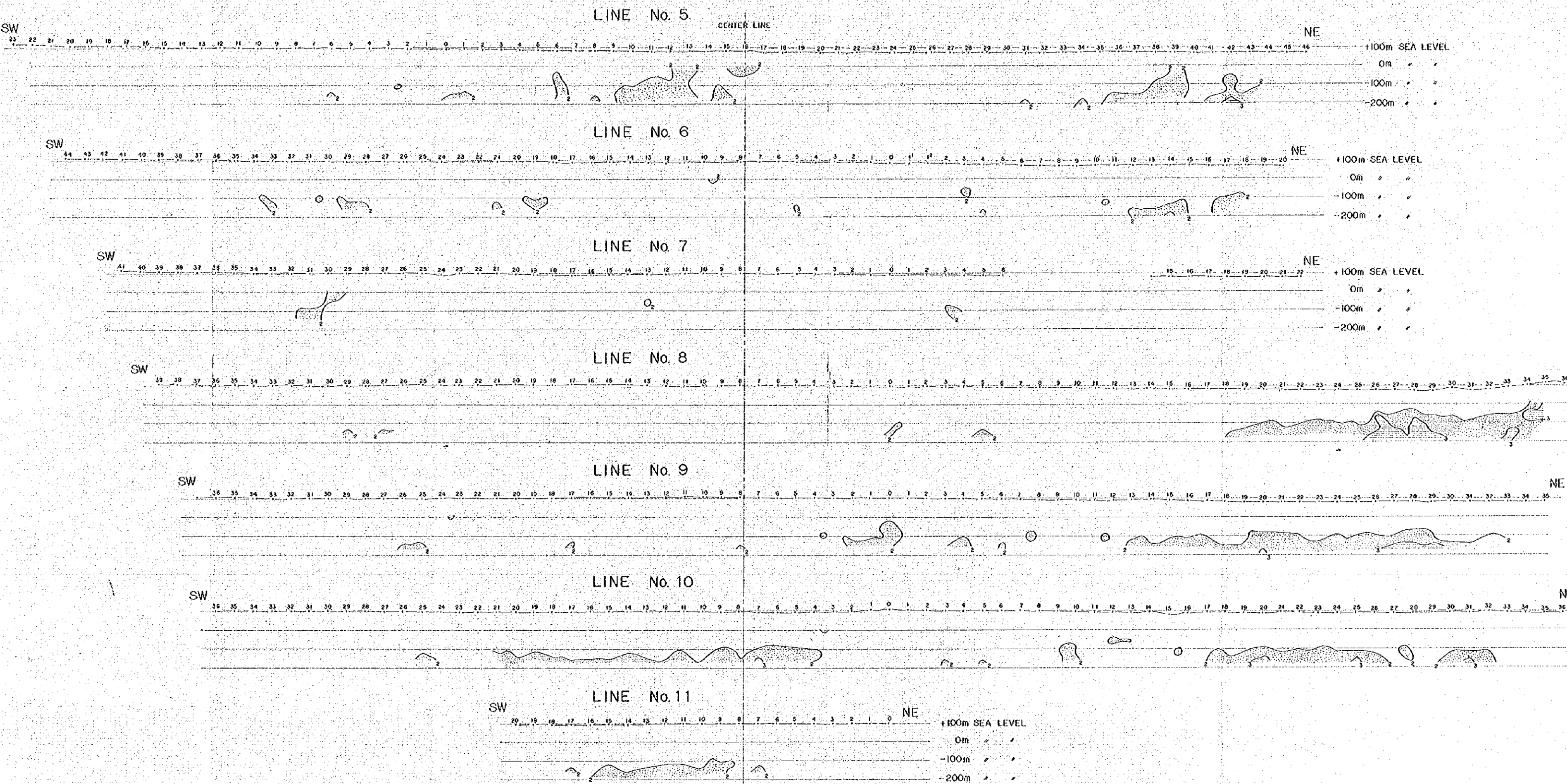
PL.II-2-3 PANEL DIAGRAM OF FE DISTRIBUTION (1)



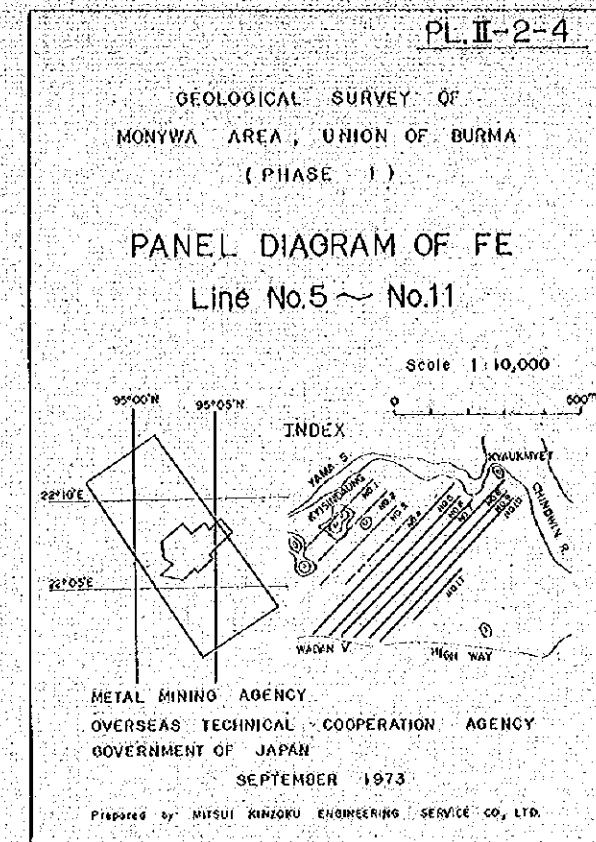
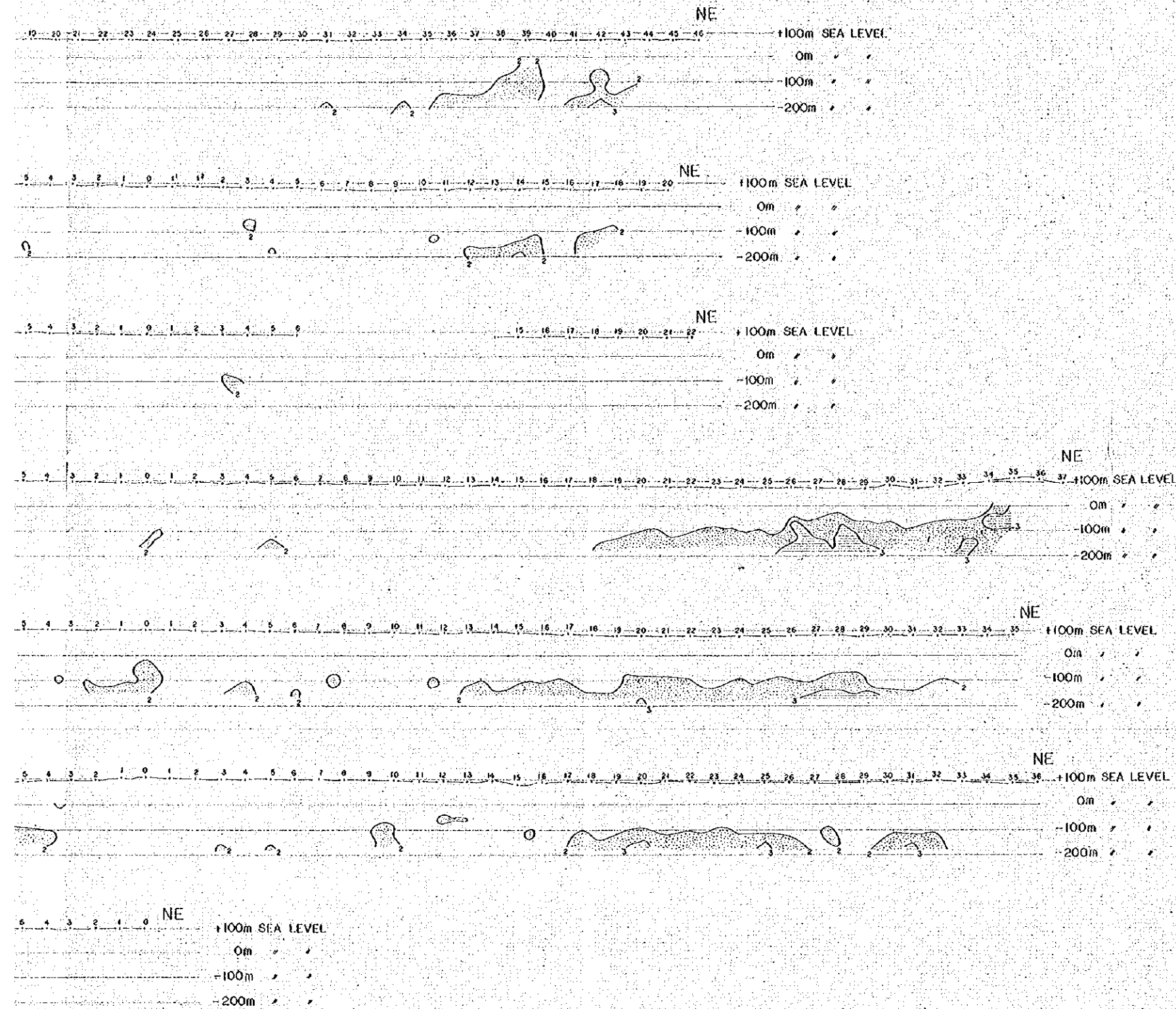
LEGEND



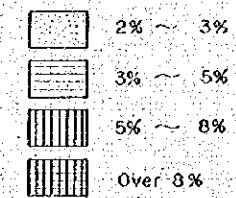
PL II-2-4 PANEL DIAGRAM OF FE DISTRIBUTION (2)



STRIBUTION (2)

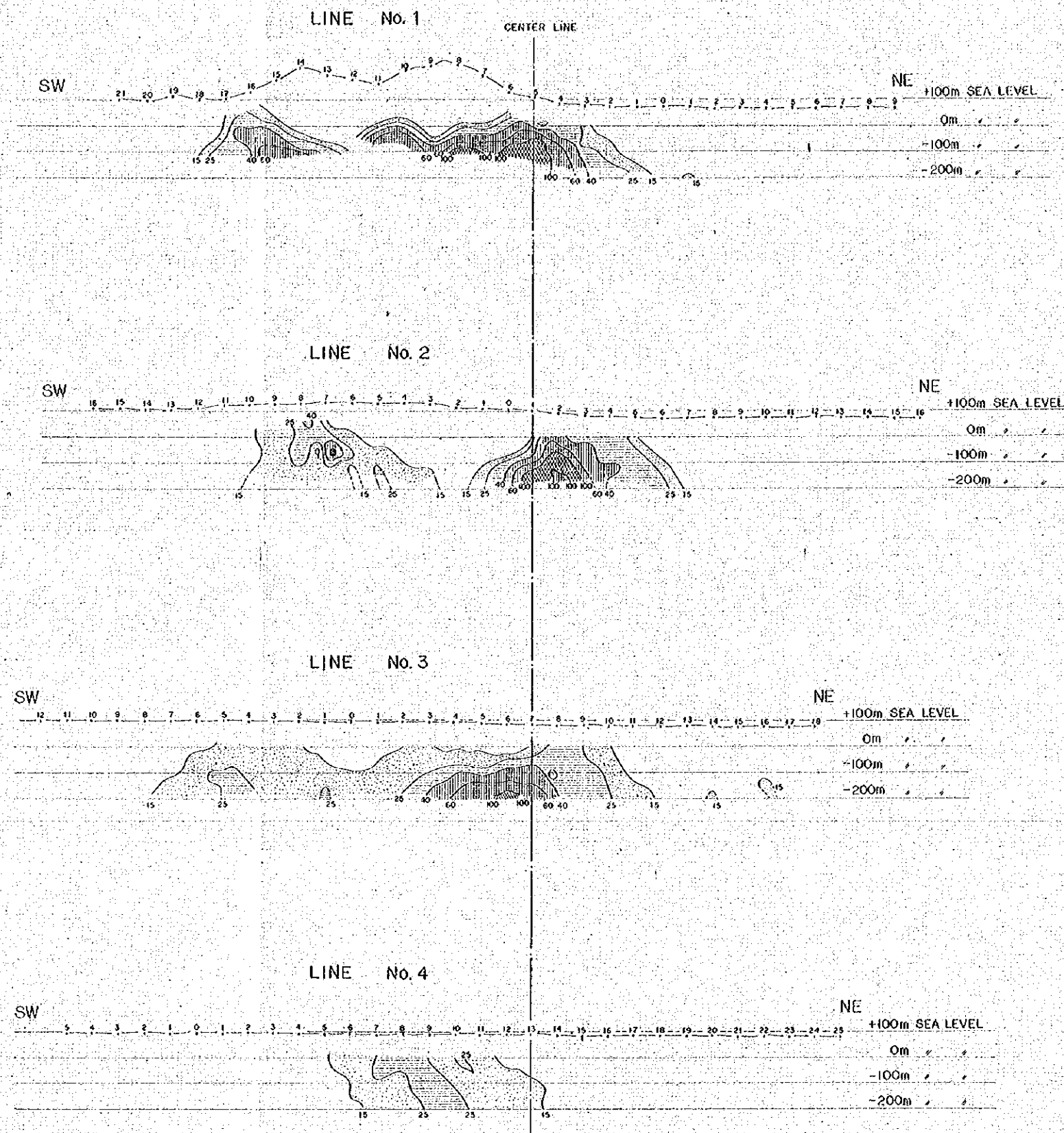


LEGEND



PL. II-2-5

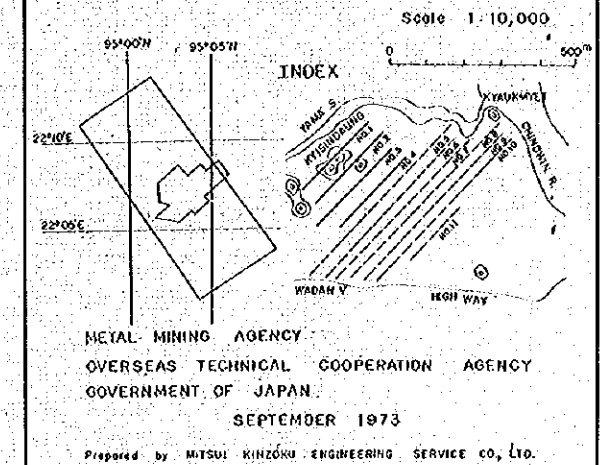
PANEL DIAGRAM OF MF DISTRIBUTION (1)



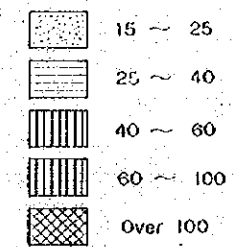
PL. II-2-5

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

PANEL DIAGRAM OF MF Line No.1 ~ No.4

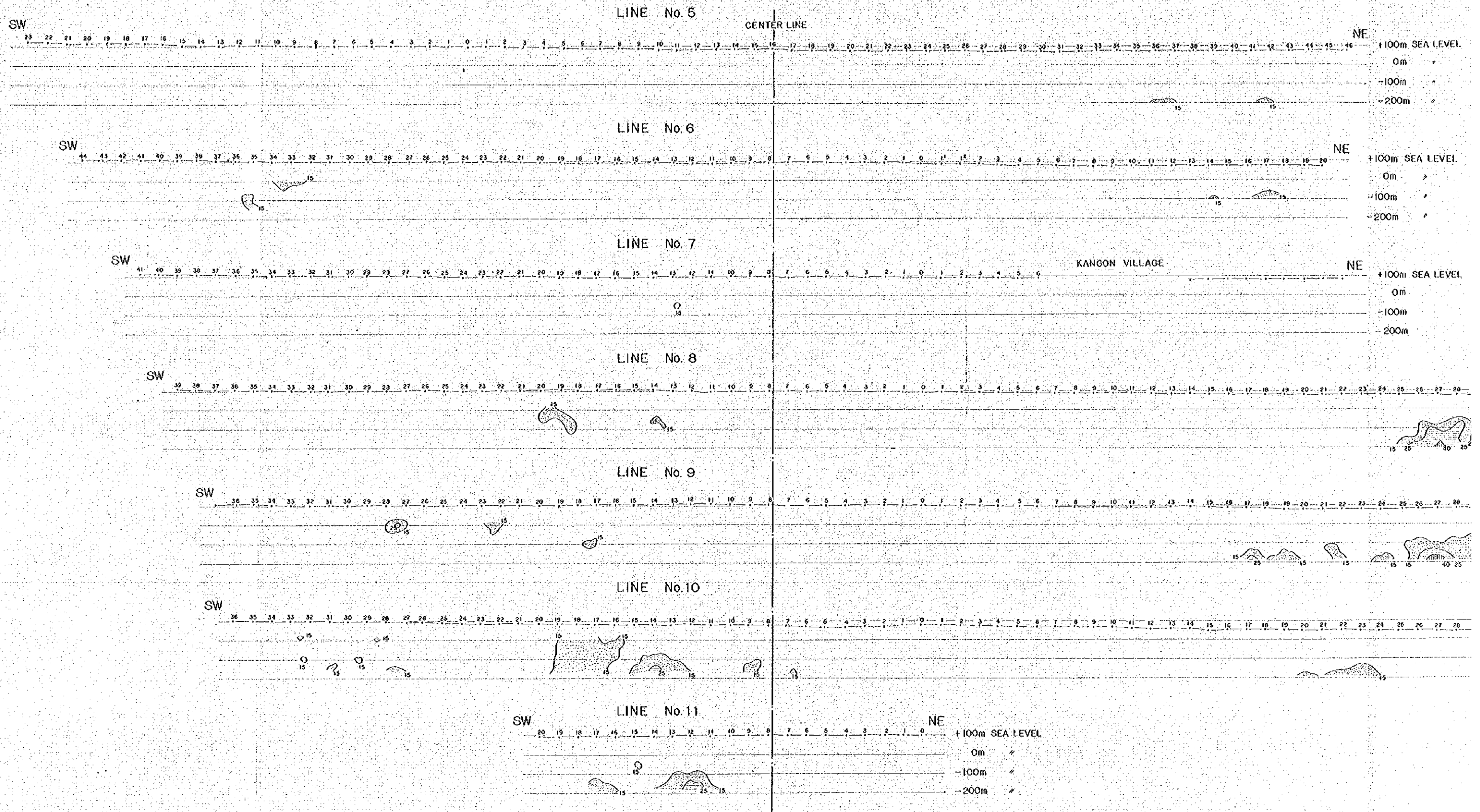


LEGEND

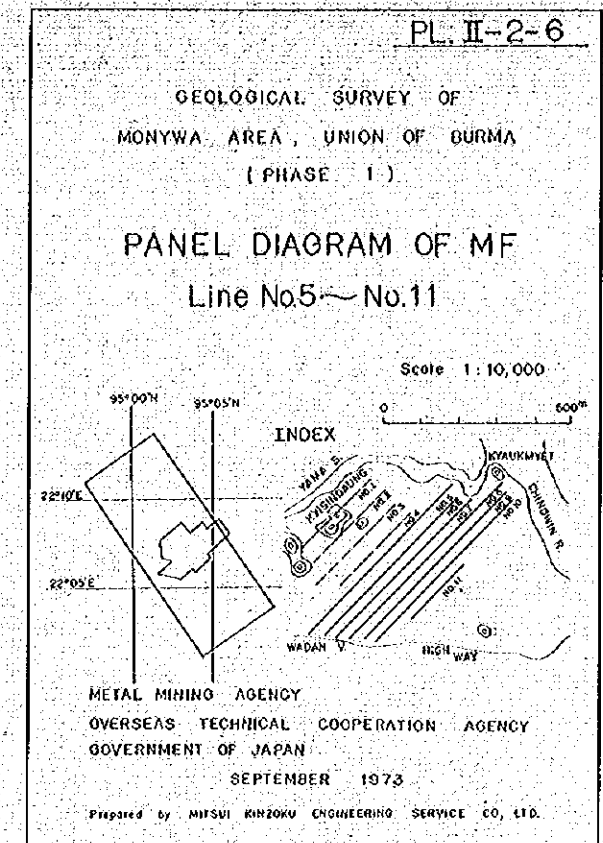
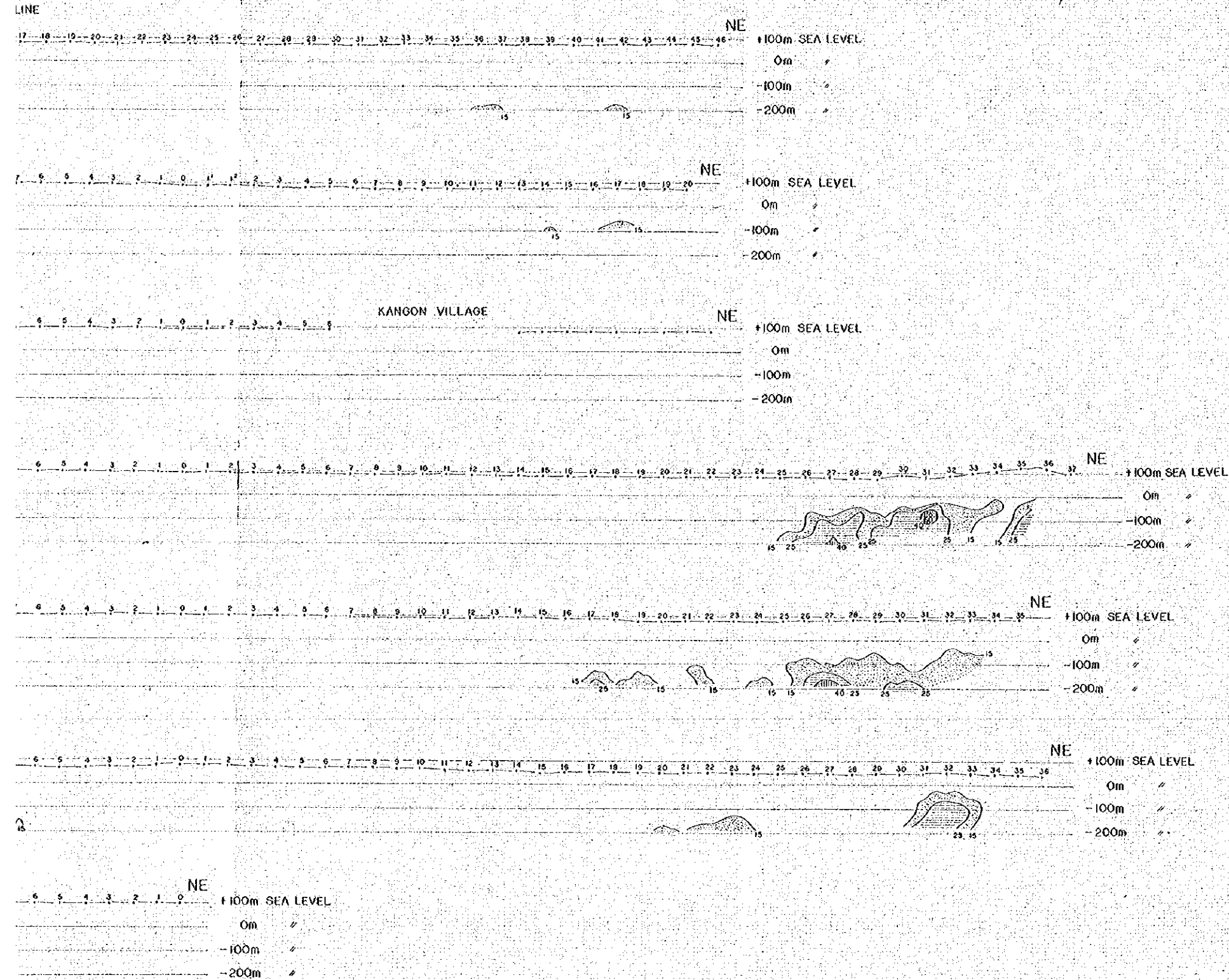


PL. II-2-6

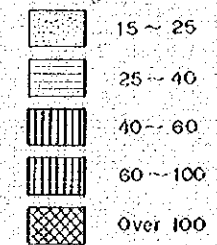
PANEL DIAGRAM OF MF DISTRIBUTION (2)



1 OF MF DISTRIBUTION (2)

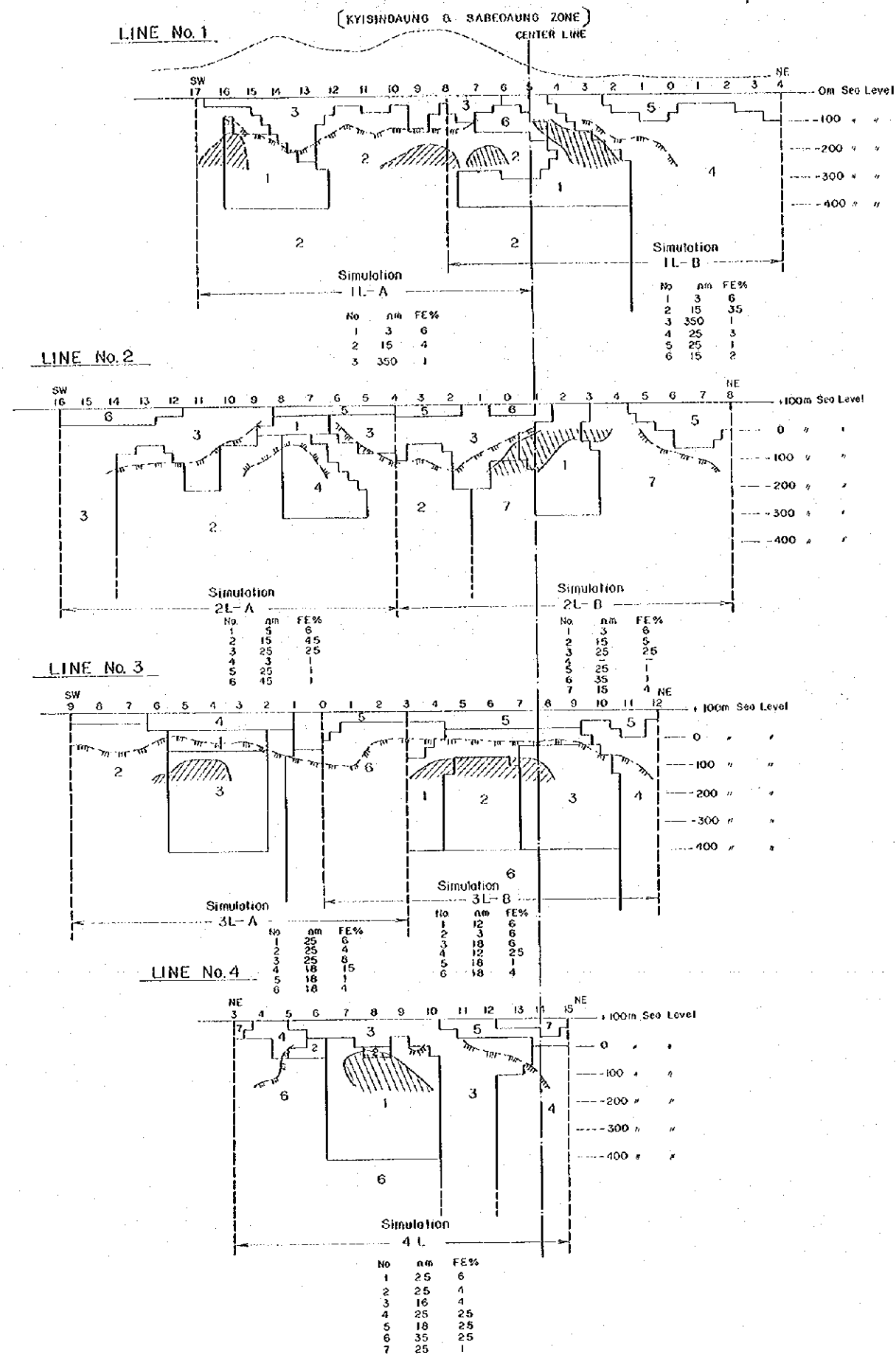


LEGEND



(PL. II-3-1) PANEL DIAGRAM OF SUBSURFACE IP RESPONSIVE BODIES
INFERRED BY SIMULATION

Scale Approx. 1:10,000



PL. II-3-1

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

PANEL DIAGRAM OF IP
BODIES BY SIMULATION

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SEPTEMBER 1973

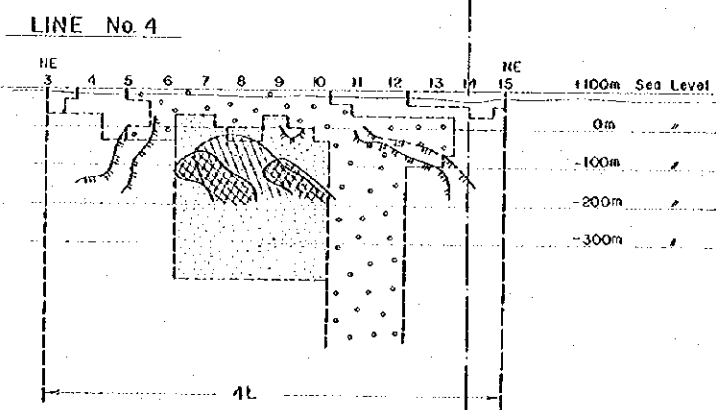
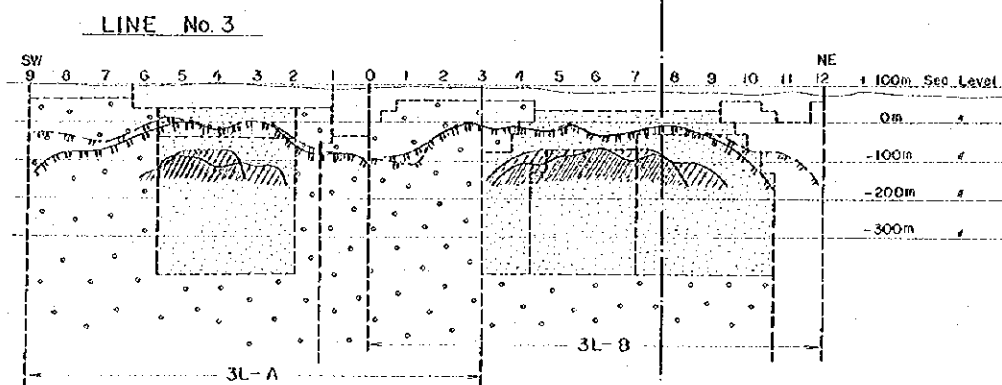
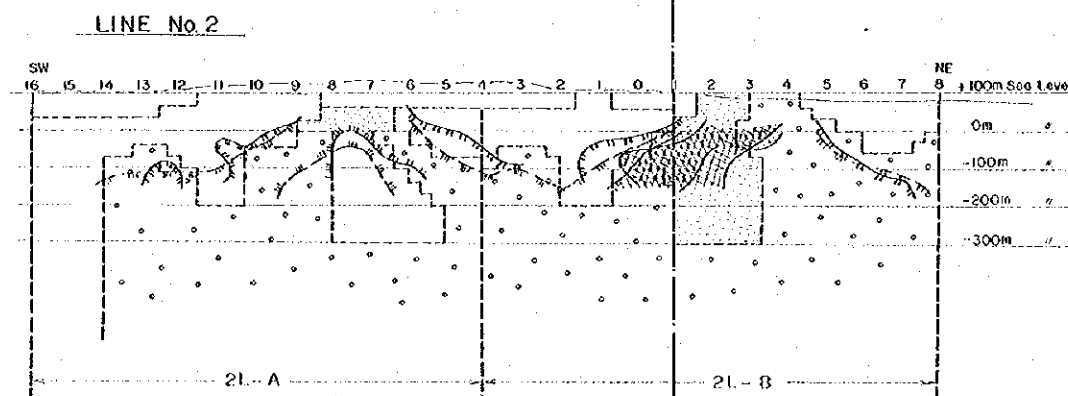
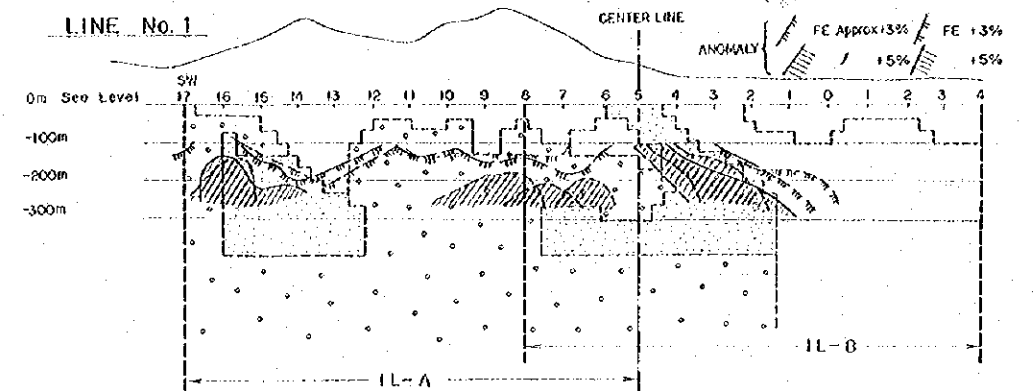
Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

(PL.II-3-2)

COMPARATIVE DIAGRAM OF FE ANOMALIES
BETWEEN FIELD DATA AND SIMULATION
(KYISINDAUNG & SABEDAUNG ZONE)

Scale
Approx. 1 : 10,000

LEGEND
SIMULATION FIELD DATA
MODEL { FE Approx. 4%
6%
ANOMALY { FE Approx. 3%
FE + 3%
+ 5%
+ 5%



PL.II-3-2

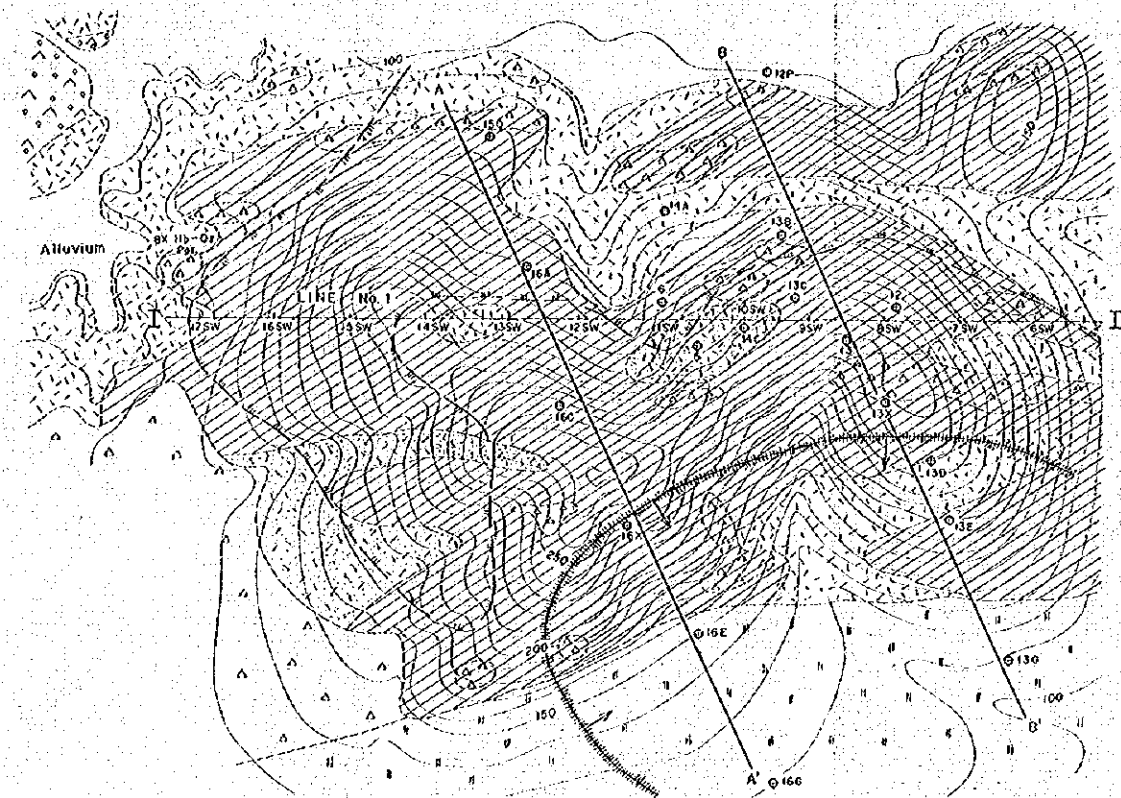
GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

DIAGRAMS OF FE ANOMALIES,
FIELD AND SIMULATION

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

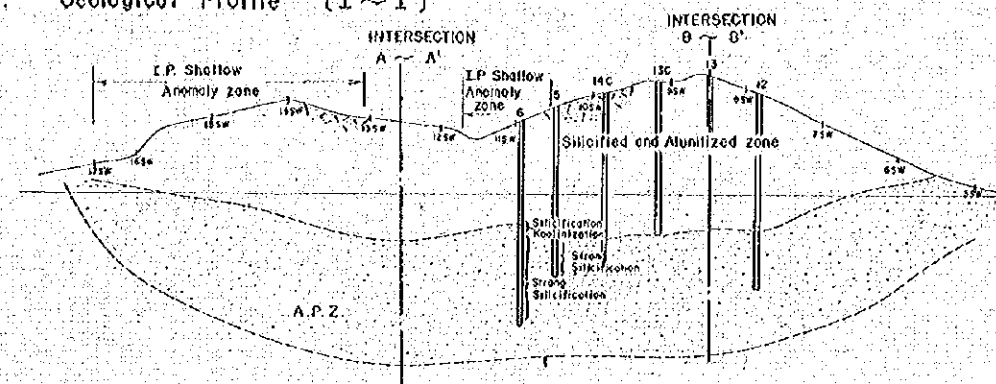
PL. II-4 CORRELATION PROFILES OF IP ANOMALY, GEOLOGY
AND CORE DRILLING (LINE No.1)

GEOLOGICAL MAP ALONG IP LINE No.1 IN KYISINDAUNG
(WITH ANOMALY ZONES AND DRILLING SITES)

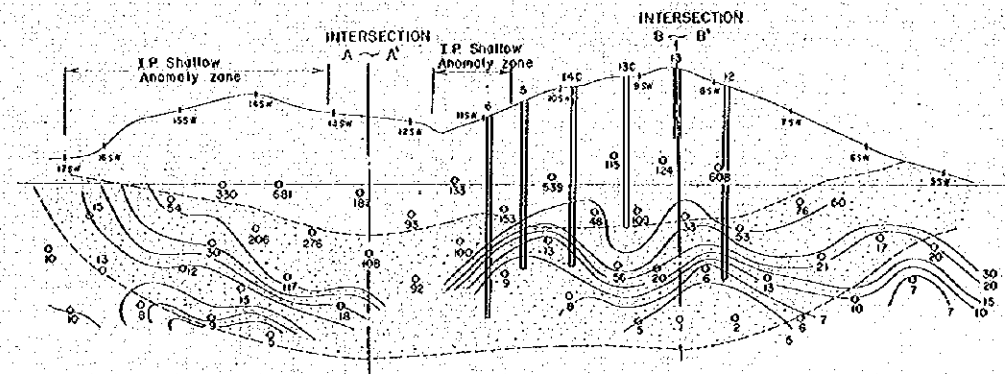


SCALE 1:5,000

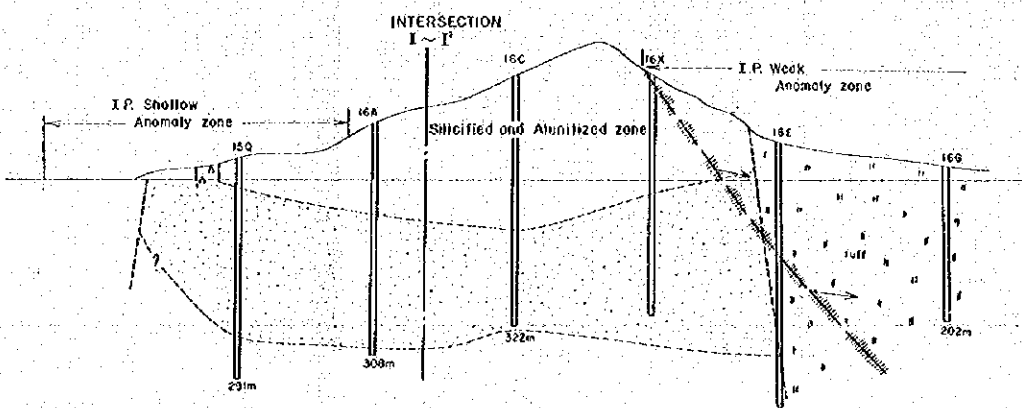
3. Geological Profile (I~I')



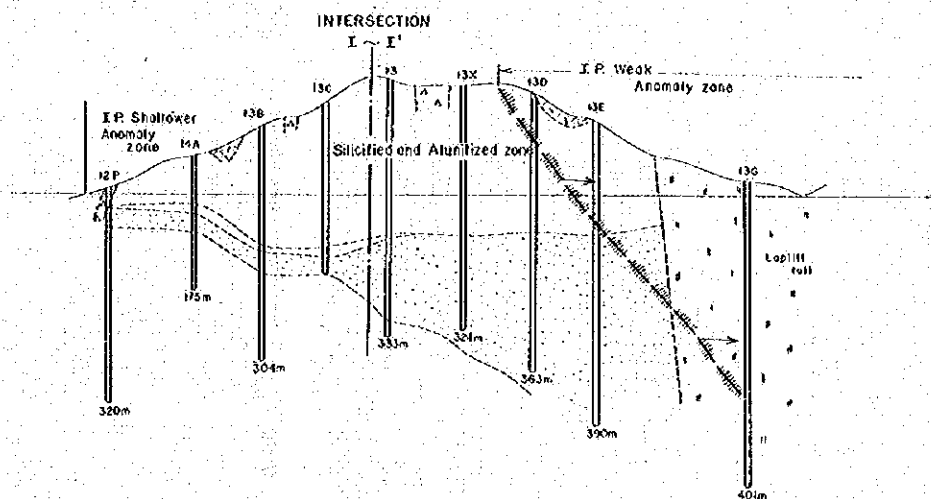
4. AR (Ω-M)



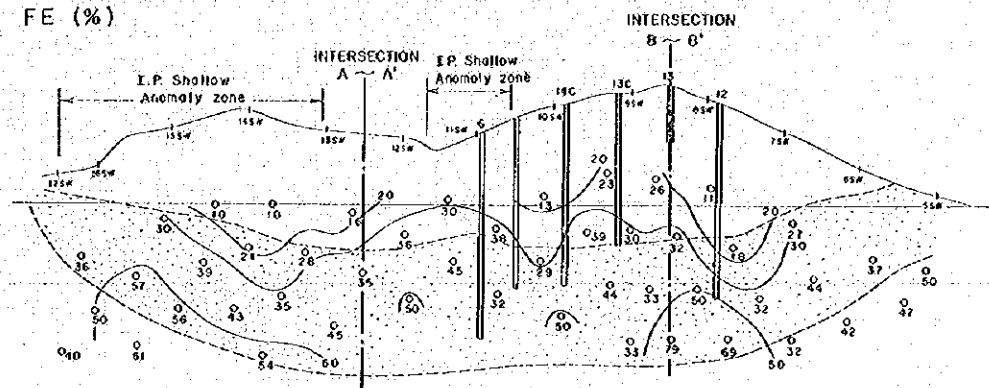
1. Geological Profile by Core Drilling Data (A~A')



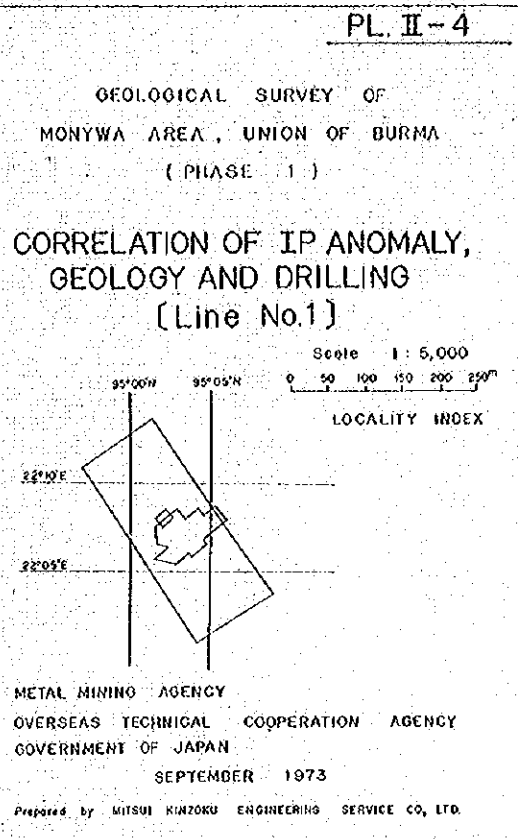
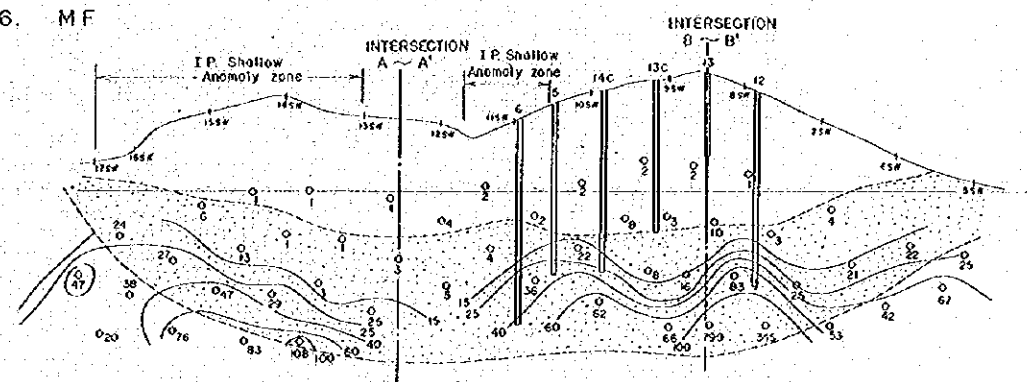
2. Geological Profile by Core Drilling Data (B~B')



5. FE (%)



6. MF

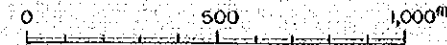


LEGEND

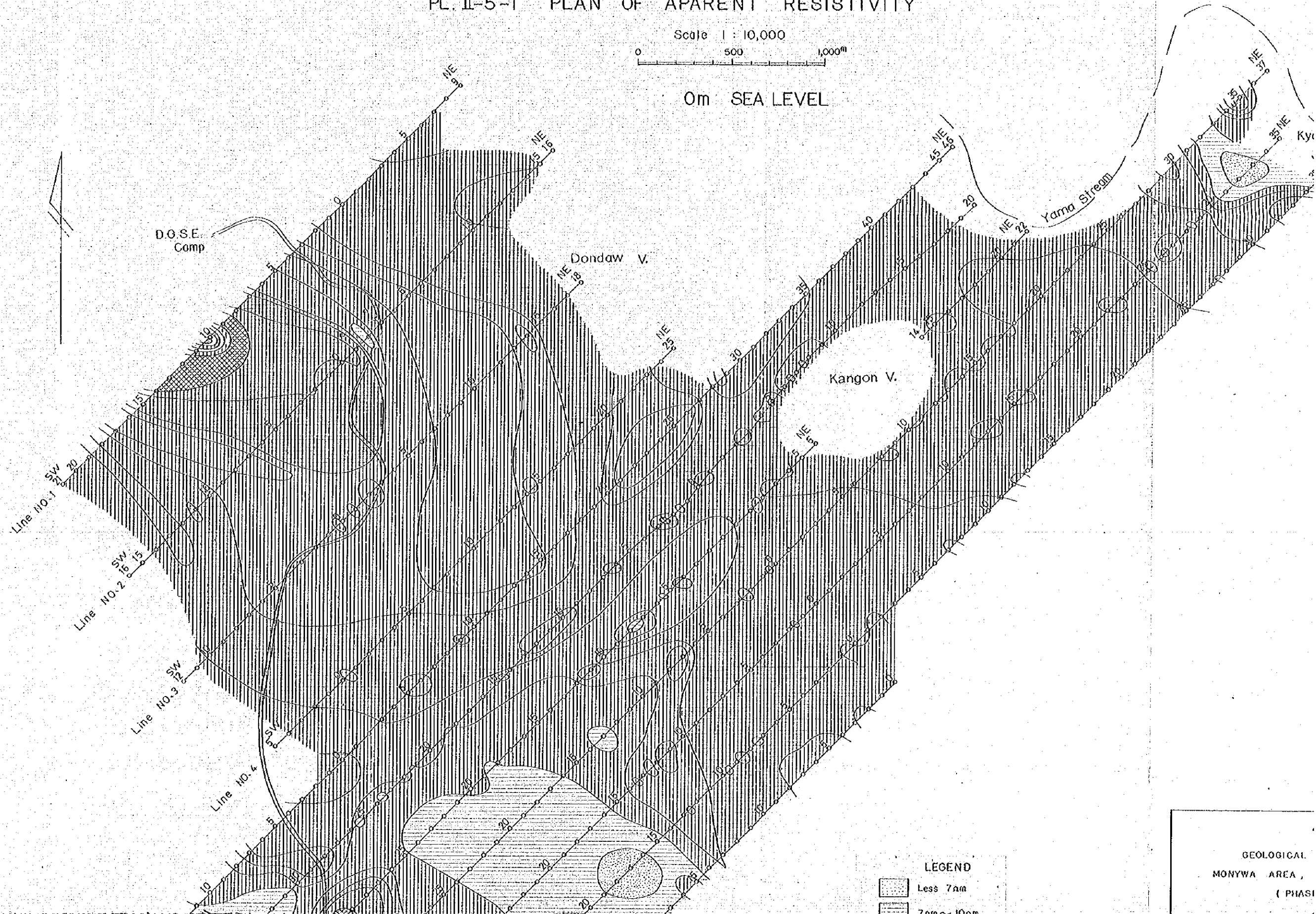
- Fresh Hornblende Biotite Porphyry
- Silicified Alunitized Porphyry
- Argillized Porphyry
- Brecciated Zone
- Rhyolitic Tuff Covered with Talus
- Argillized and Pyritized Zone (A.P.Z.)
- Shallow IP Anomaly Zone
- Weak IP Anomaly Zone
- Drilled Site

PL. II-5-1 PLAN OF APARENT RESISTIVITY

Scale 1 : 10,000



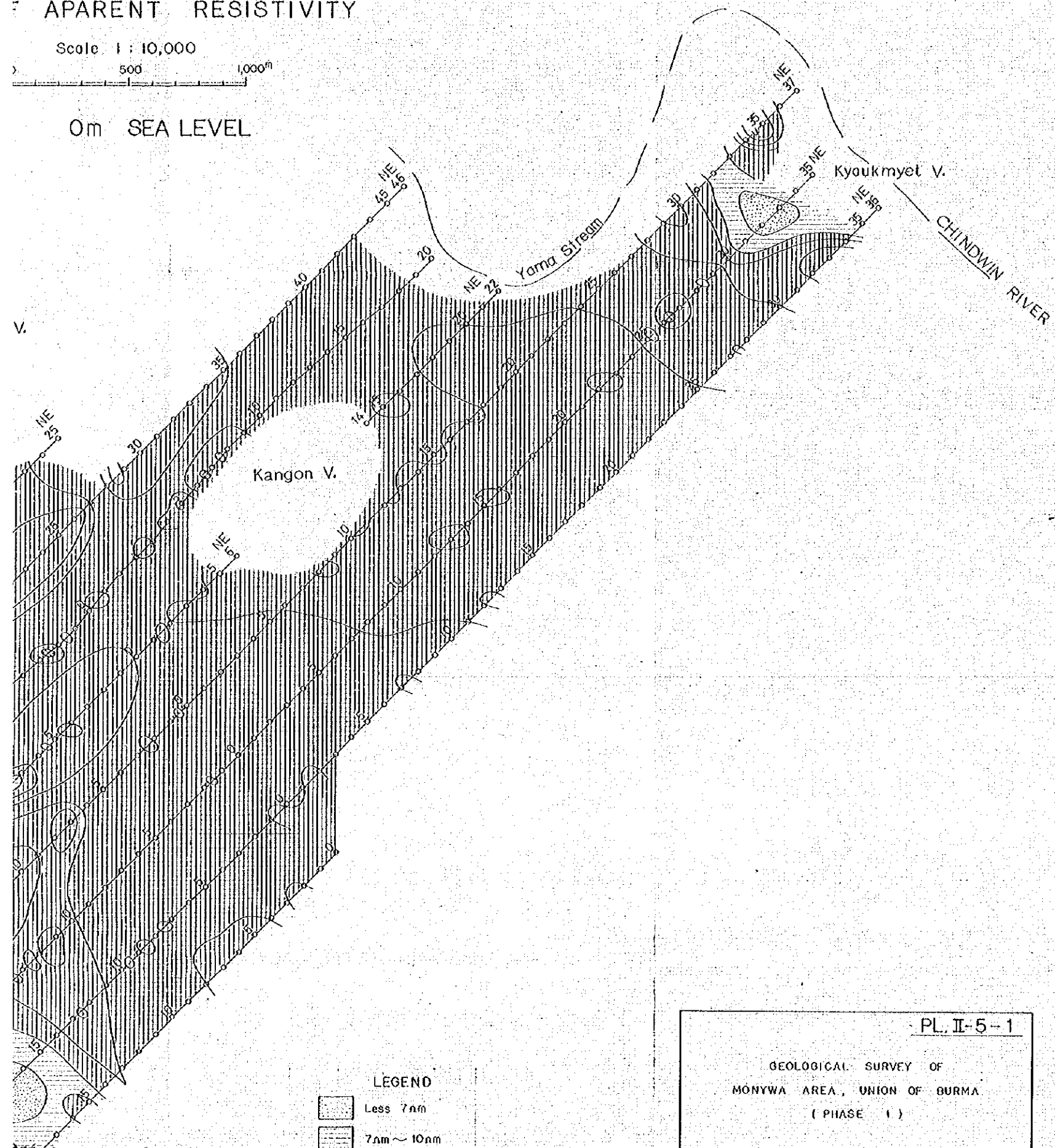
0m SEA LEVEL



APARENT RESISTIVITY

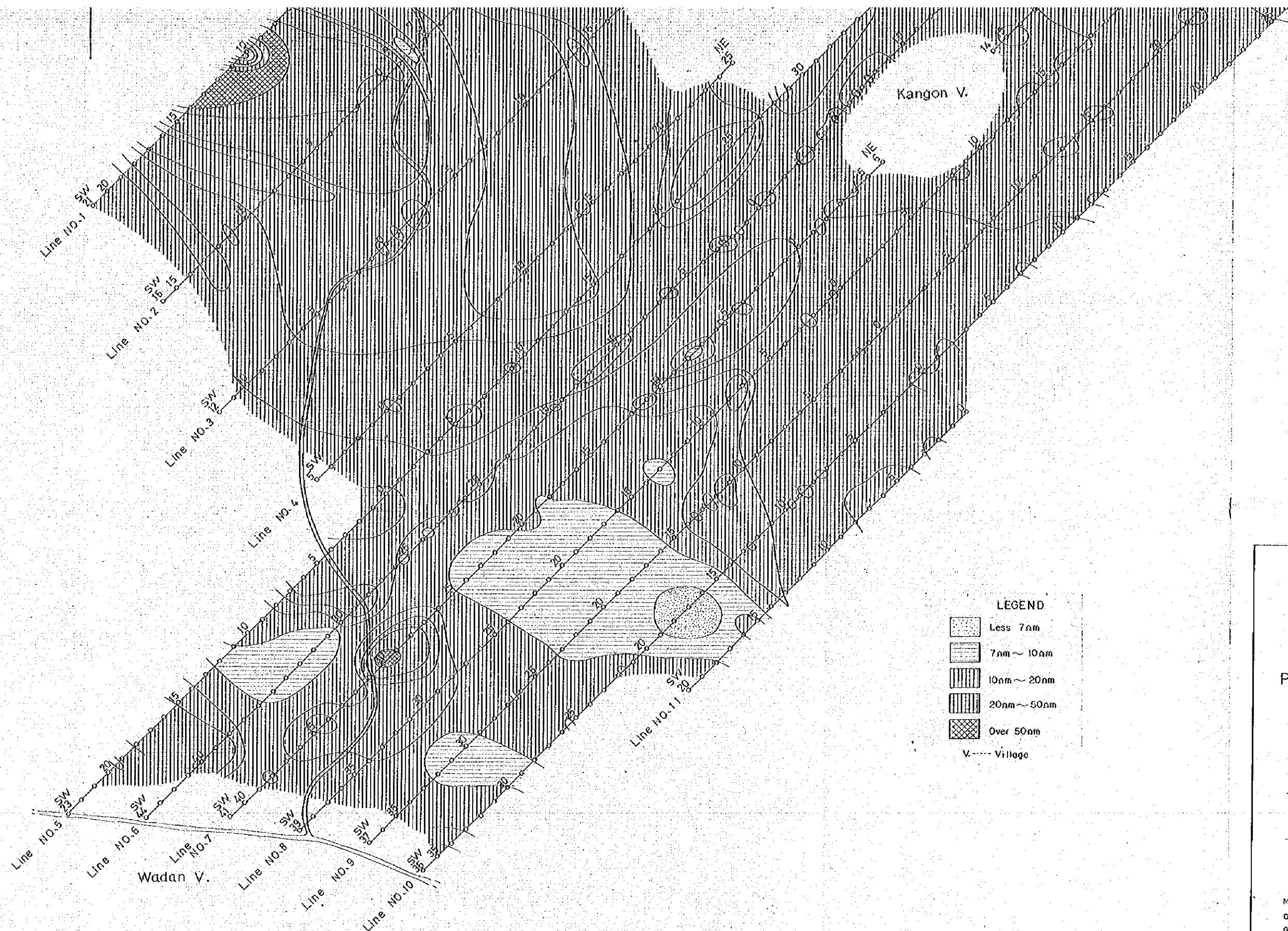
Scale 1 : 10,000
 0 500 1,000m

0m SEA LEVEL



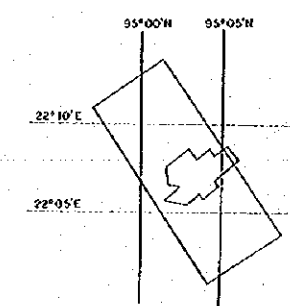
PL. II-5-1

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



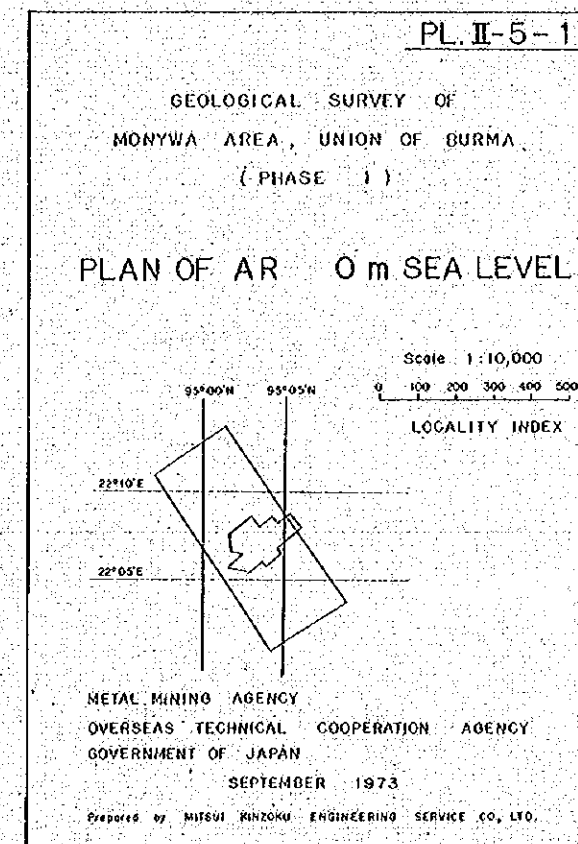
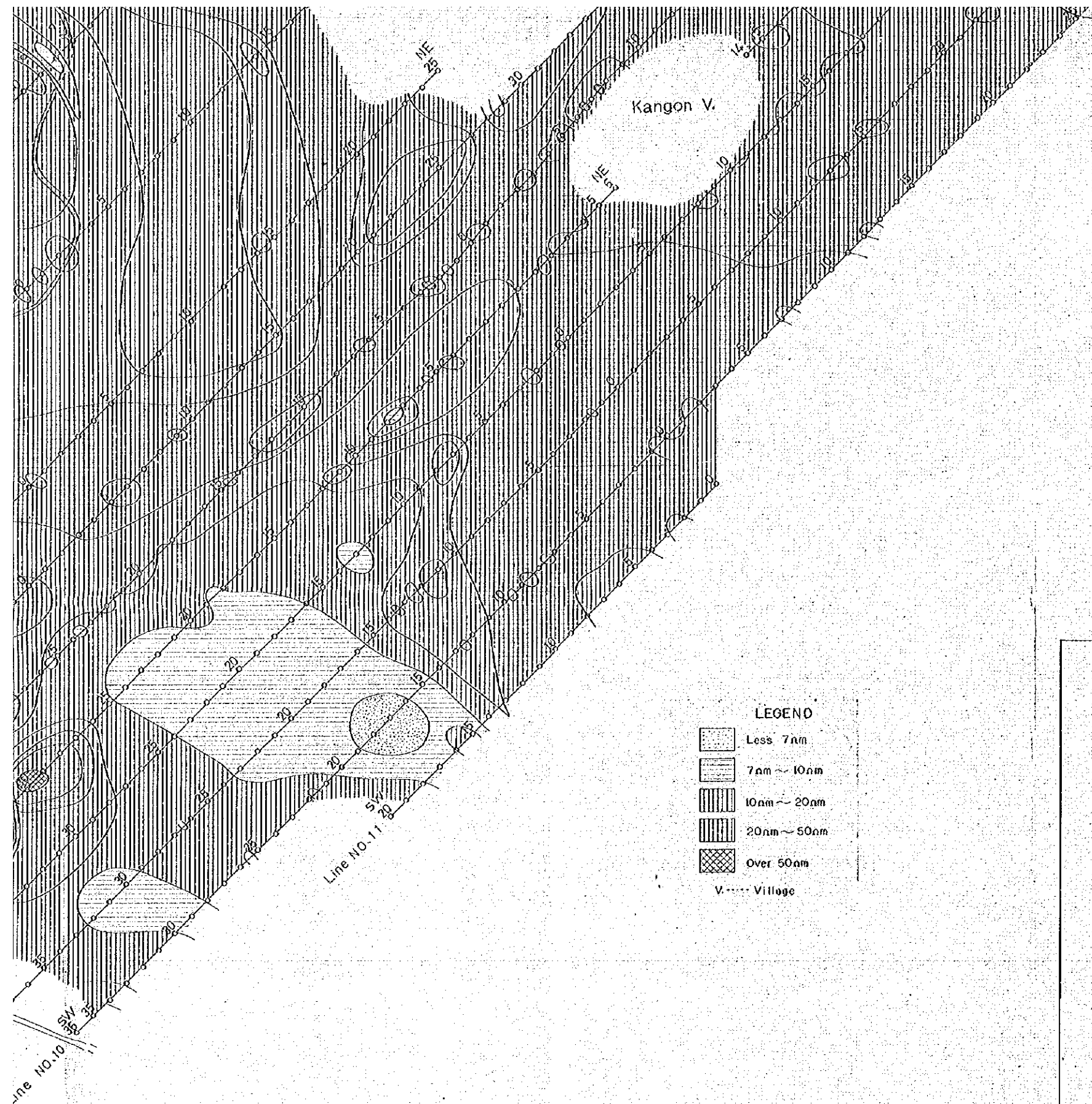
GEOLOGICAL SURVEY
MONYWA AREA, UNION MYANMAR
(PHASE I)

PLAN OF AREA



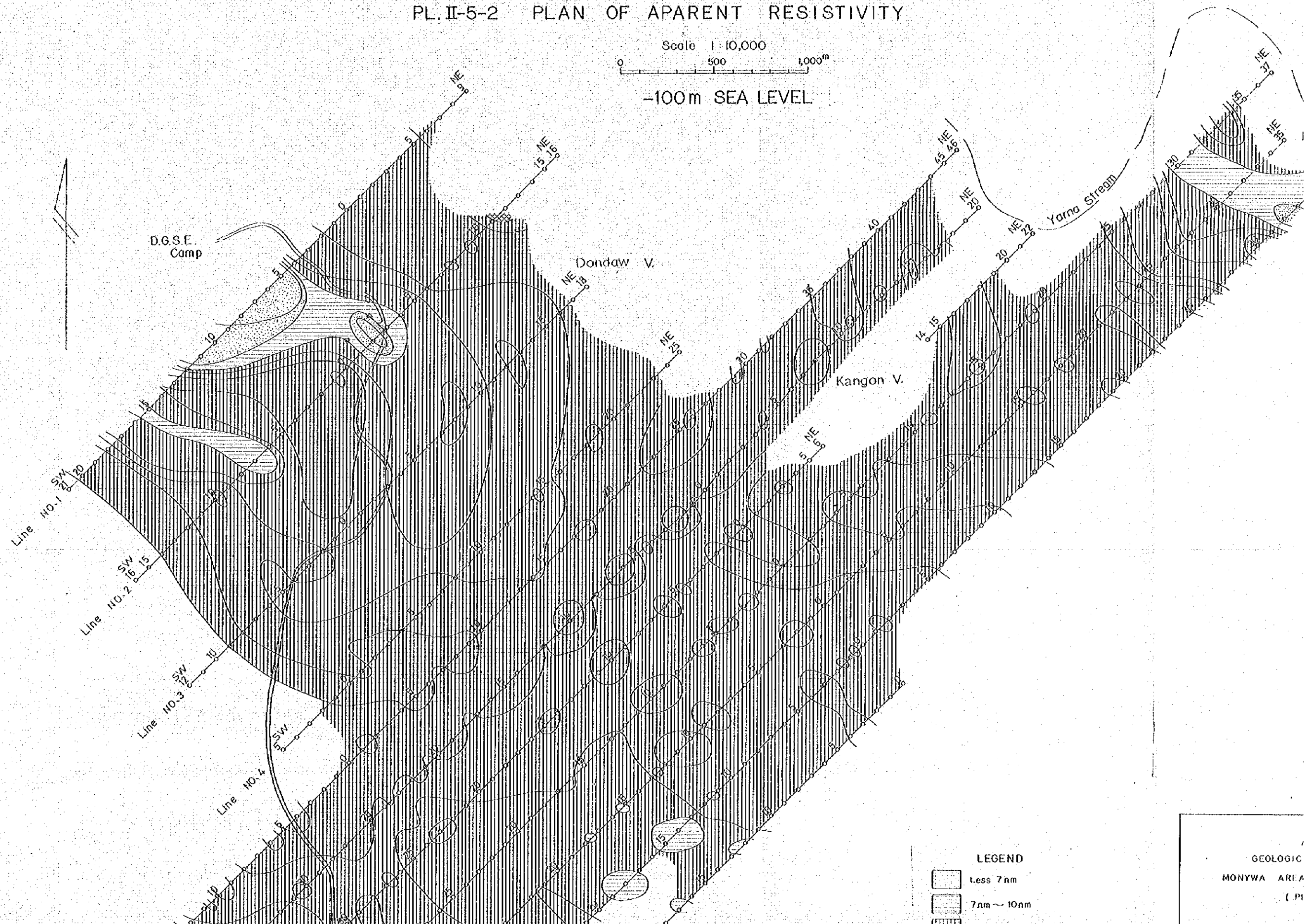
METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION
GOVERNMENT OF JAPAN
SEPTEMBER

Prepared by MITSUBISHI KINZOKU ENGINEERING



PL. II-5-2 PLAN OF APARENT RESISTIVITY

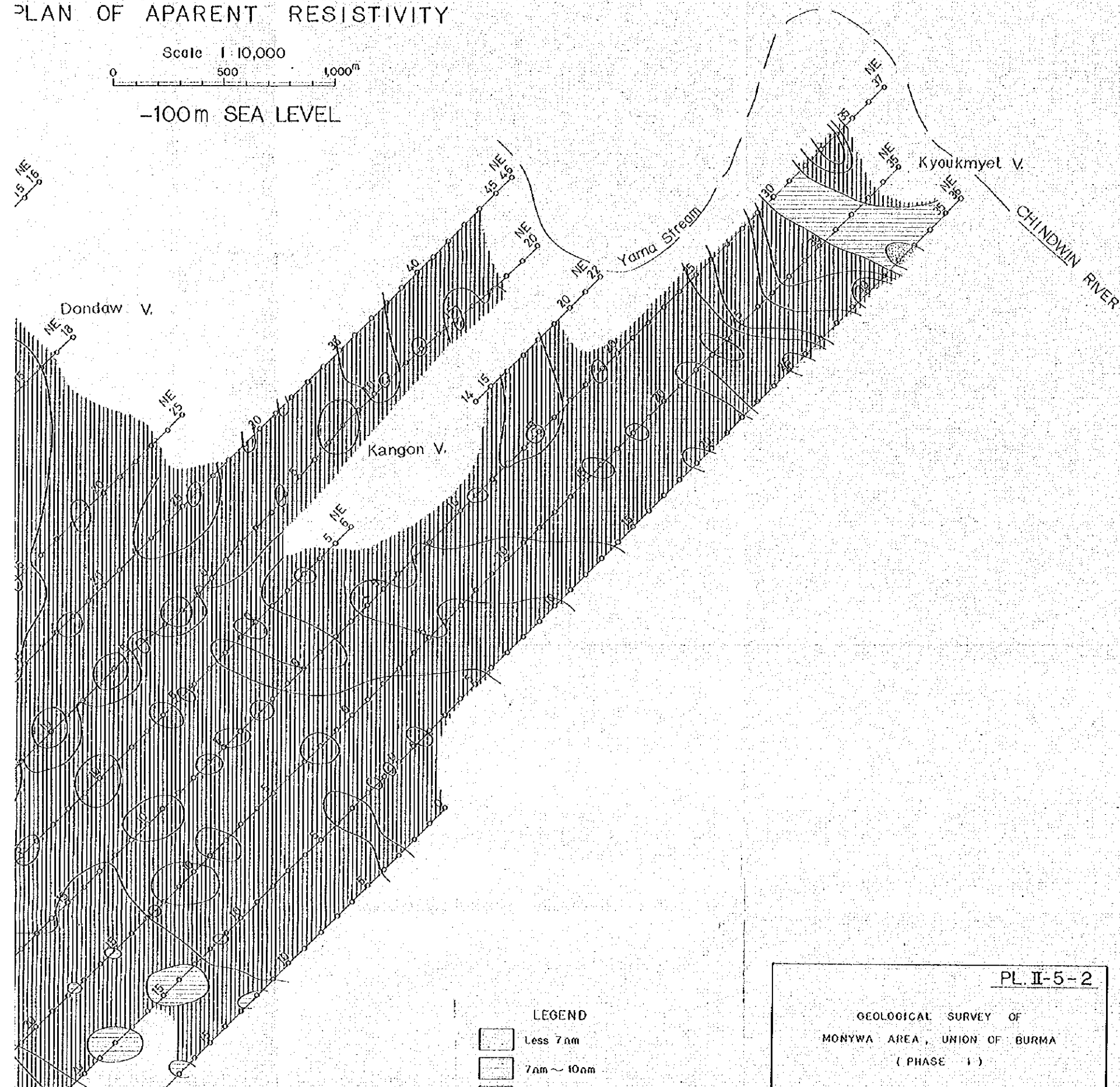
Scale 1:10,000
0 500 1,000m
-100m SEA LEVEL



PLAN OF APARENT RESISTIVITY

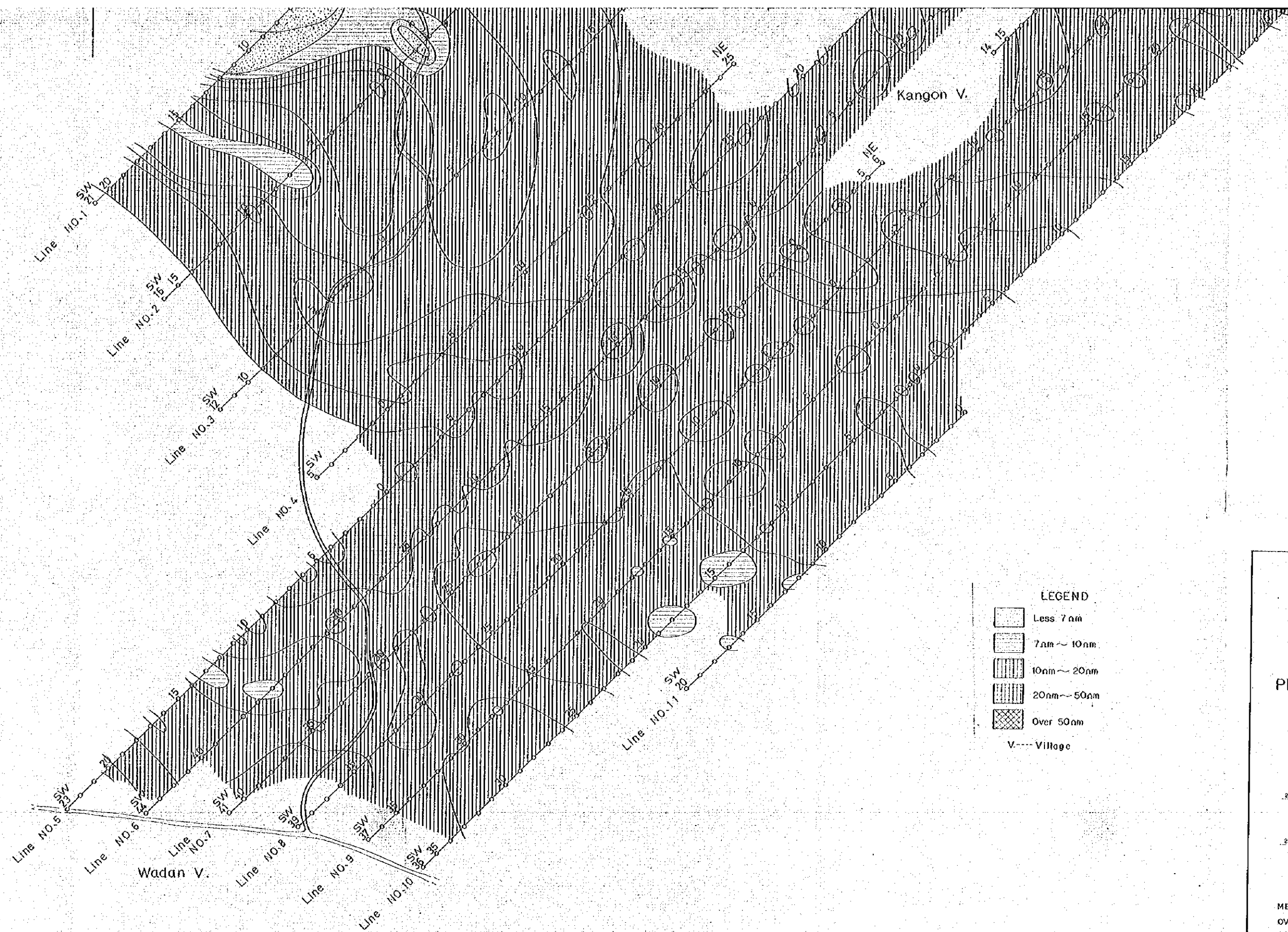
Scale 1:10,000
0 500 1,000m

-100m SEA LEVEL

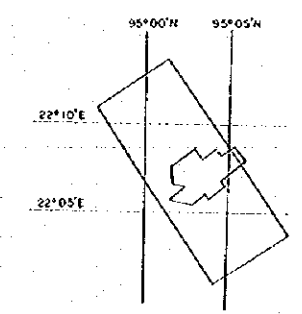


PL. II-5-2

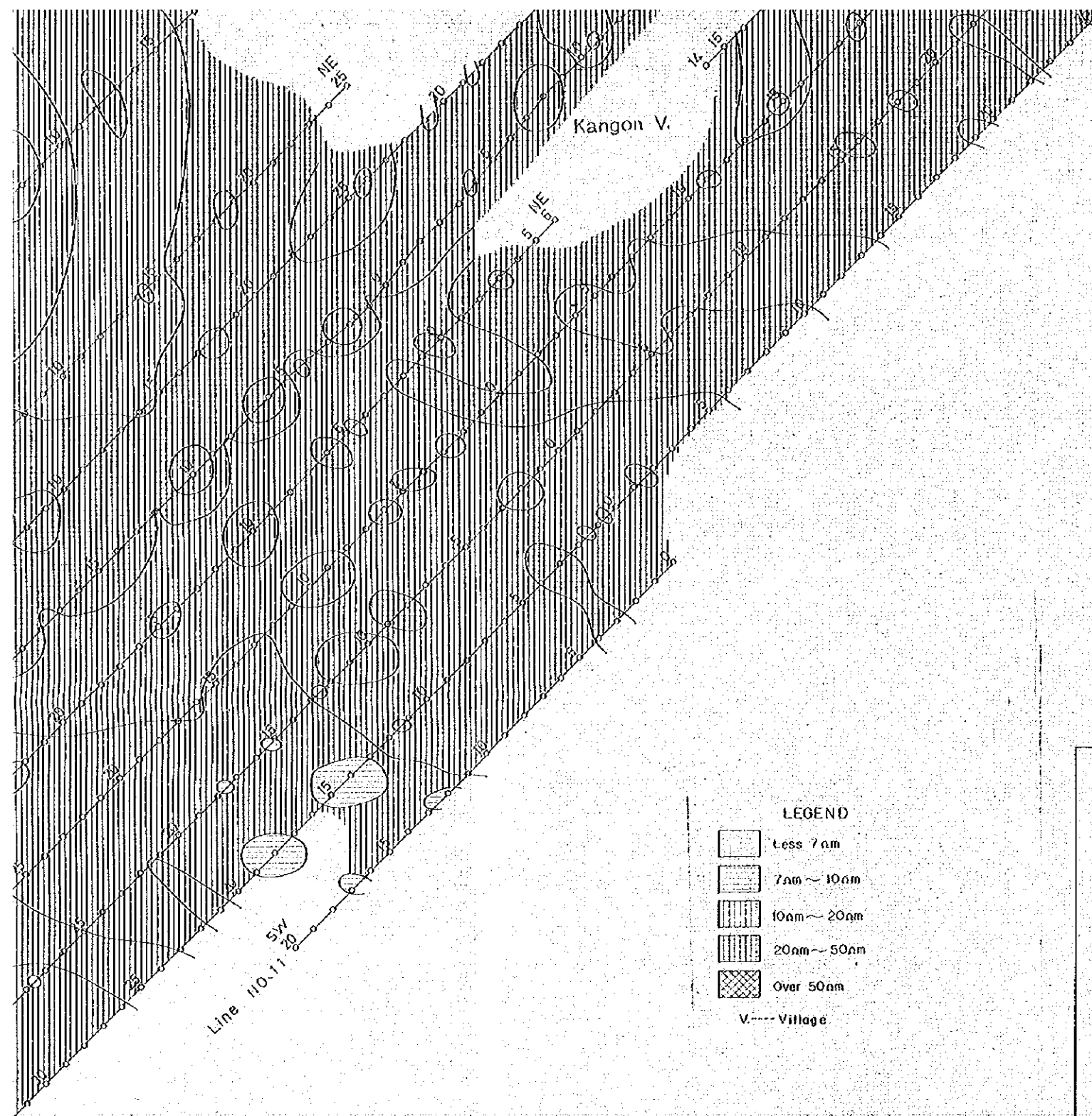
GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)



GEOLOGICAL SURVEY
 MONYWA AREA, UN
 (PHASE
 PLAN OF AR -100



METAL MINING AGENCY
 OVERSEAS TECHNICAL COO
 GOVERNMENT OF JAPAN
 SEPTEMBER
 Prepared by MITSUBI KINZOKU ENGINEERING



- LEGEND
- Less 7m
 - 7m ~ 10m
 - 10m ~ 20m
 - 20m ~ 50m
 - Over 50m
- V--- Village

PL. II-5-2

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

PLAN OF AR -100m SEA LEVEL

Scale 1:10,000

0 100 200 300 400 500m

LOCALITY INDEX

95°00'N 95°05'N
22°40'E 22°05'E

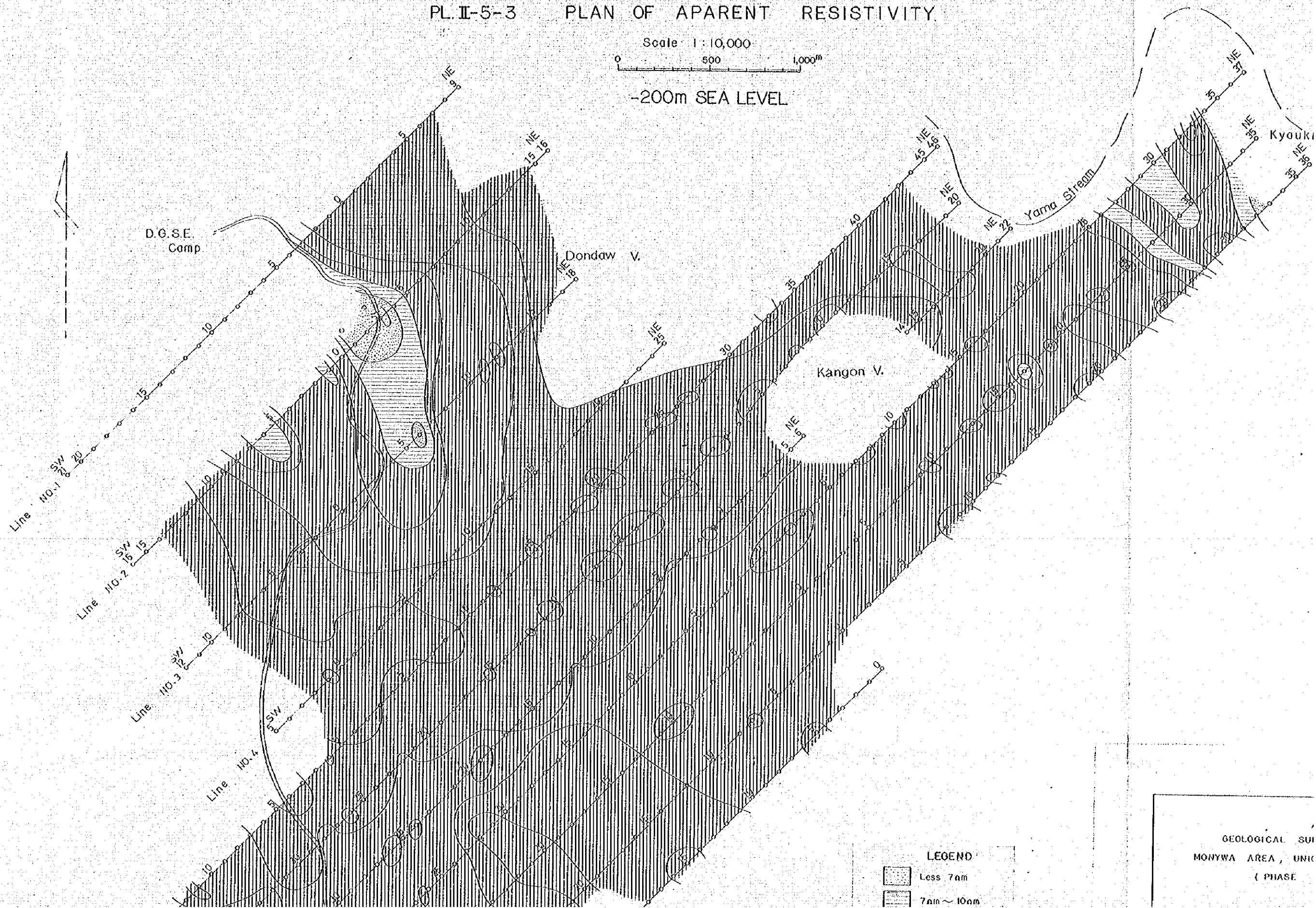
METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
SEPTEMBER 1973
Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

PL. II-5-3 PLAN OF APARENT RESISTIVITY

Scale 1:10,000

0 500 1,000m

-200m SEA LEVEL



LEGEND

- Less 7m
- 7m ~ 10m

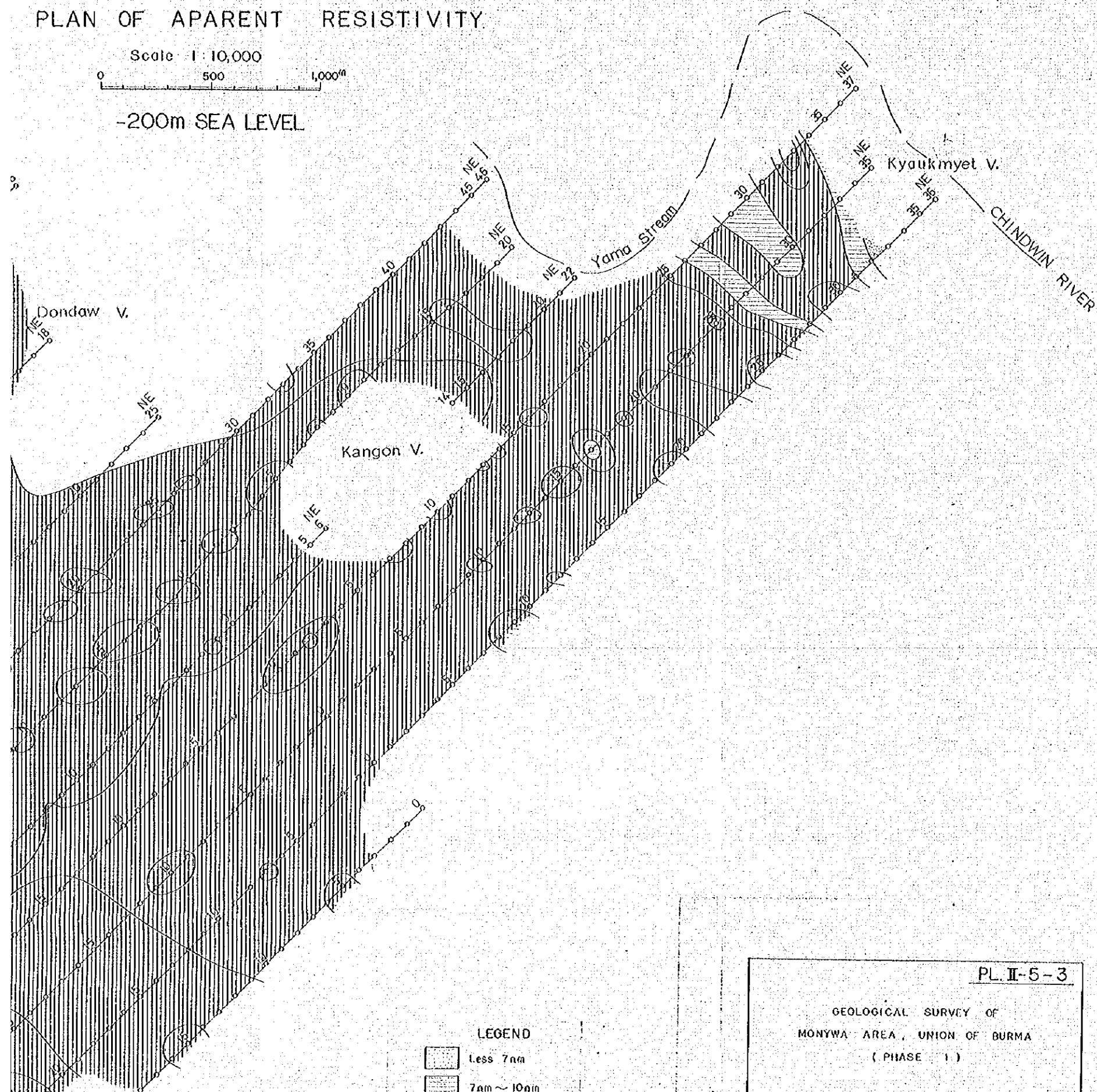
GEOLOGICAL SURVEY
MONYWA AREA, UNION
(PHASE)

PLAN OF APARENT RESISTIVITY

Scale 1:10,000

0 500 1,000m

-200m SEA LEVEL

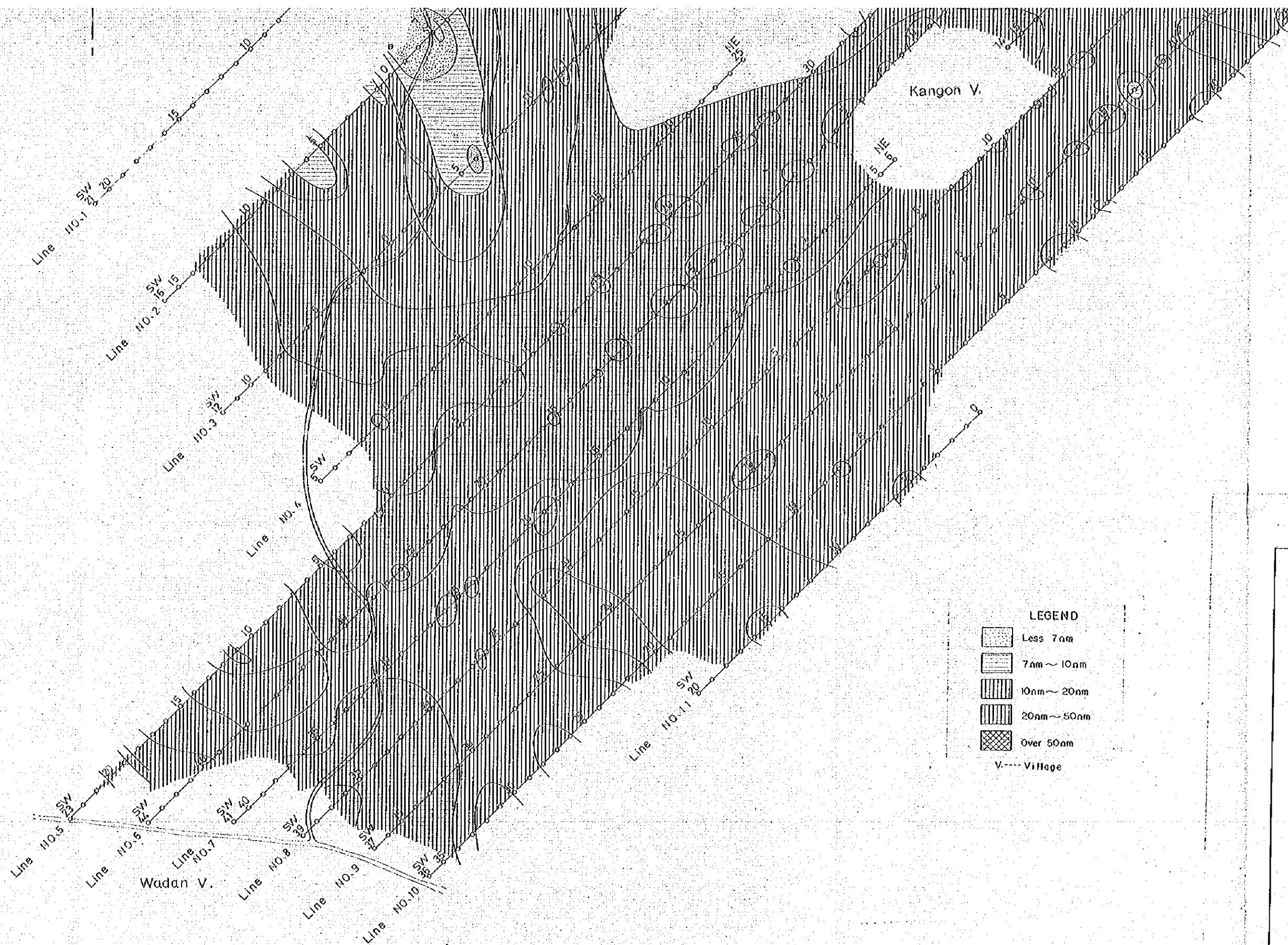


LEGEND

- Less 7m
- 7m ~ 10m

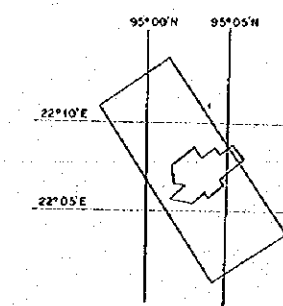
PL. II-5-3

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



GEOLOGICAL SUR
MONYWA AREA, UNIO
(PHASE I

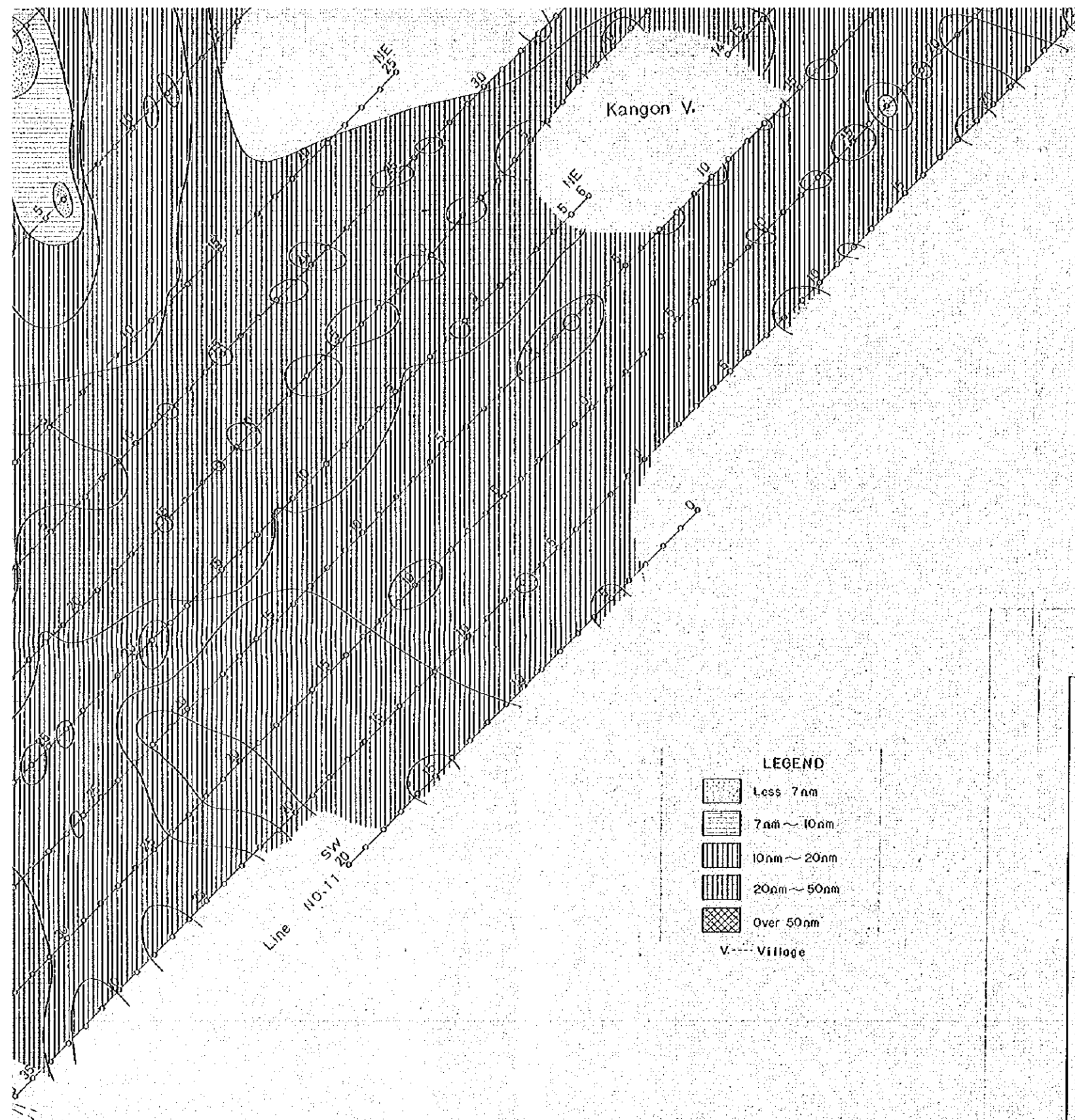
PLAN OF AR-200



METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION
GOVERNMENT OF JAPAN

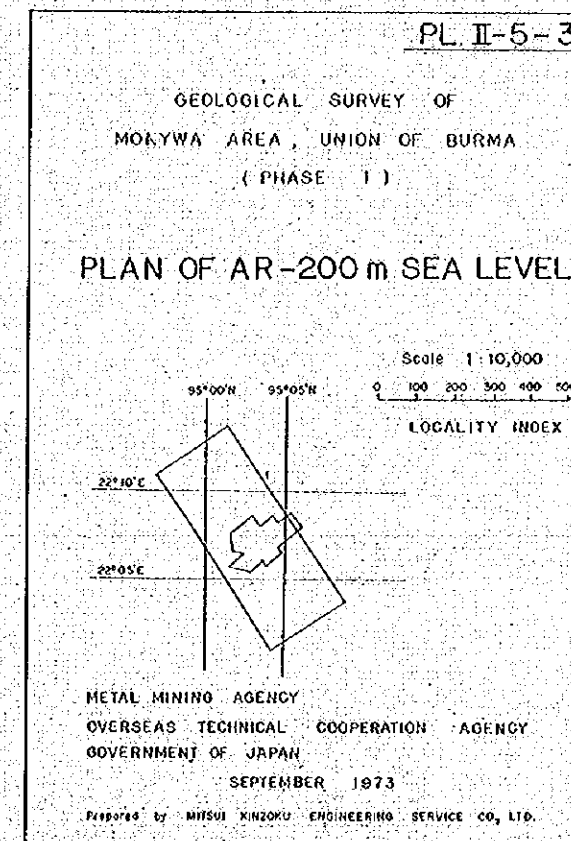
SEPTEMBER 19

Prepared by MITSUBISHI KINZOKU ENGINEERS



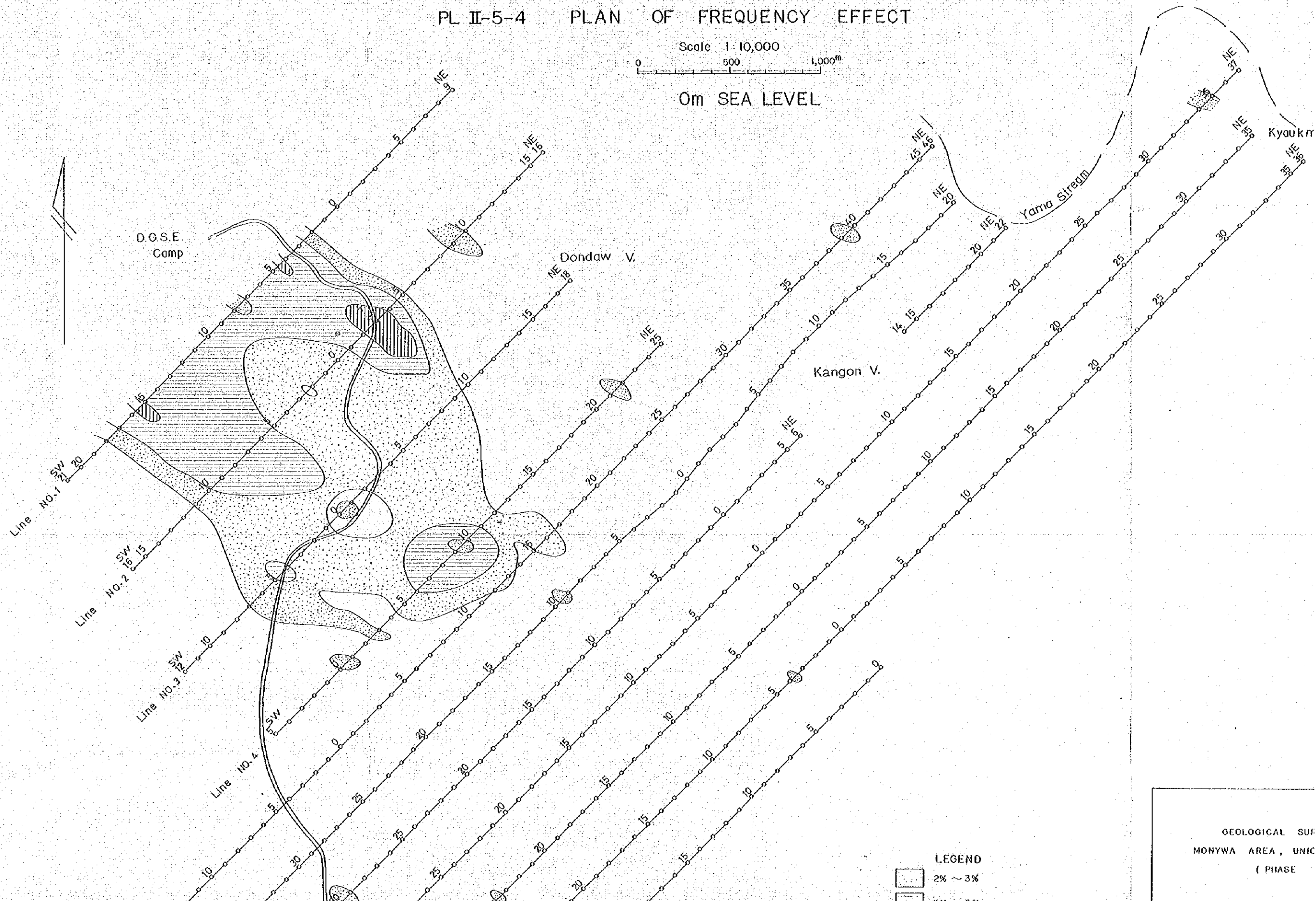
LEGEND

	Less 7m
	7m ~ 10m
	10m ~ 20m
	20m ~ 50m
	Over 50m
V----	Village



PL II-5-4 PLAN OF FREQUENCY EFFECT

Scale 1:10,000
 0 500 1,000m
 0m SEA LEVEL

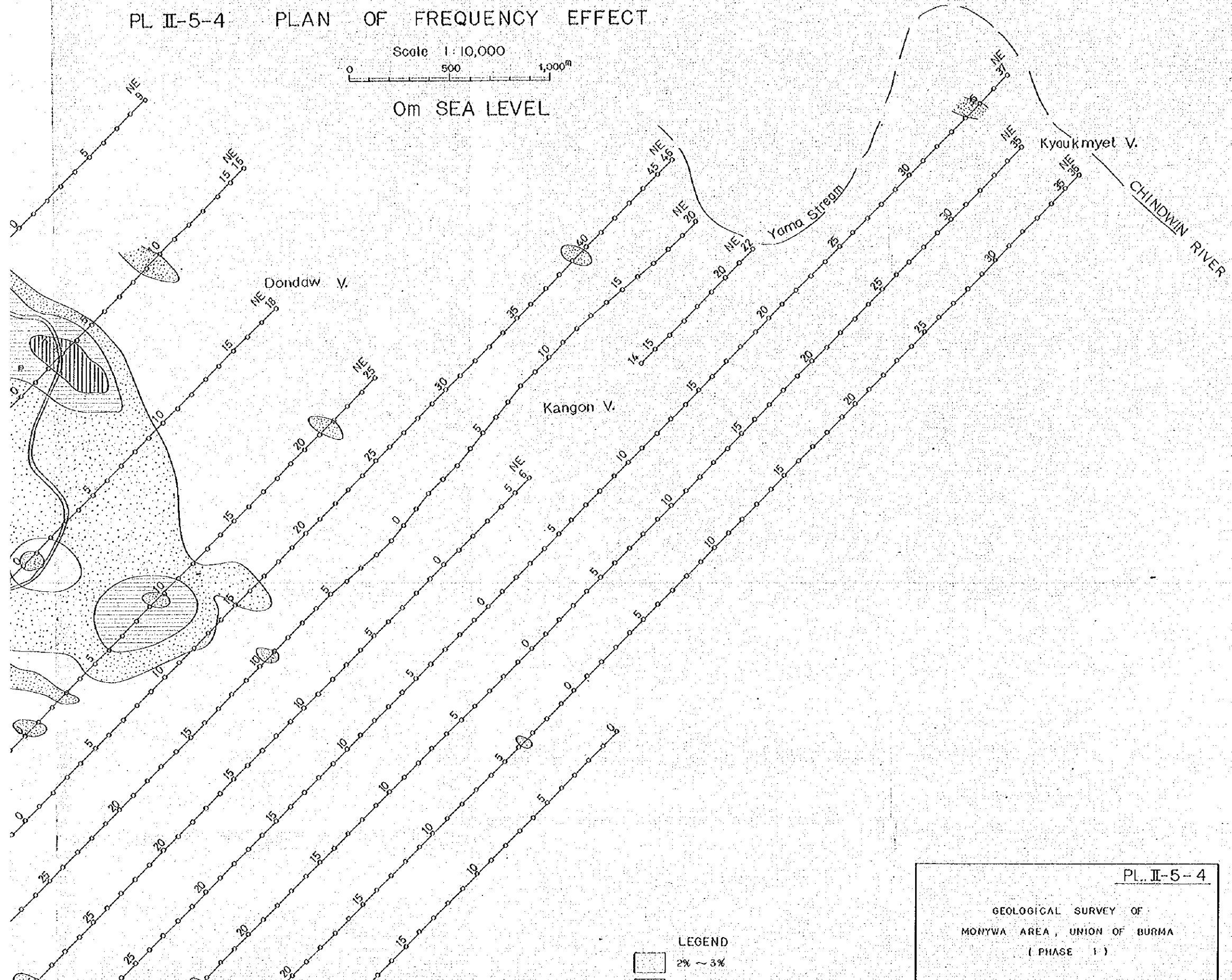


GEOLOGICAL SURF
 MONYWA AREA, UNIC
 (PHASE

PL II-5-4 PLAN OF FREQUENCY EFFECT

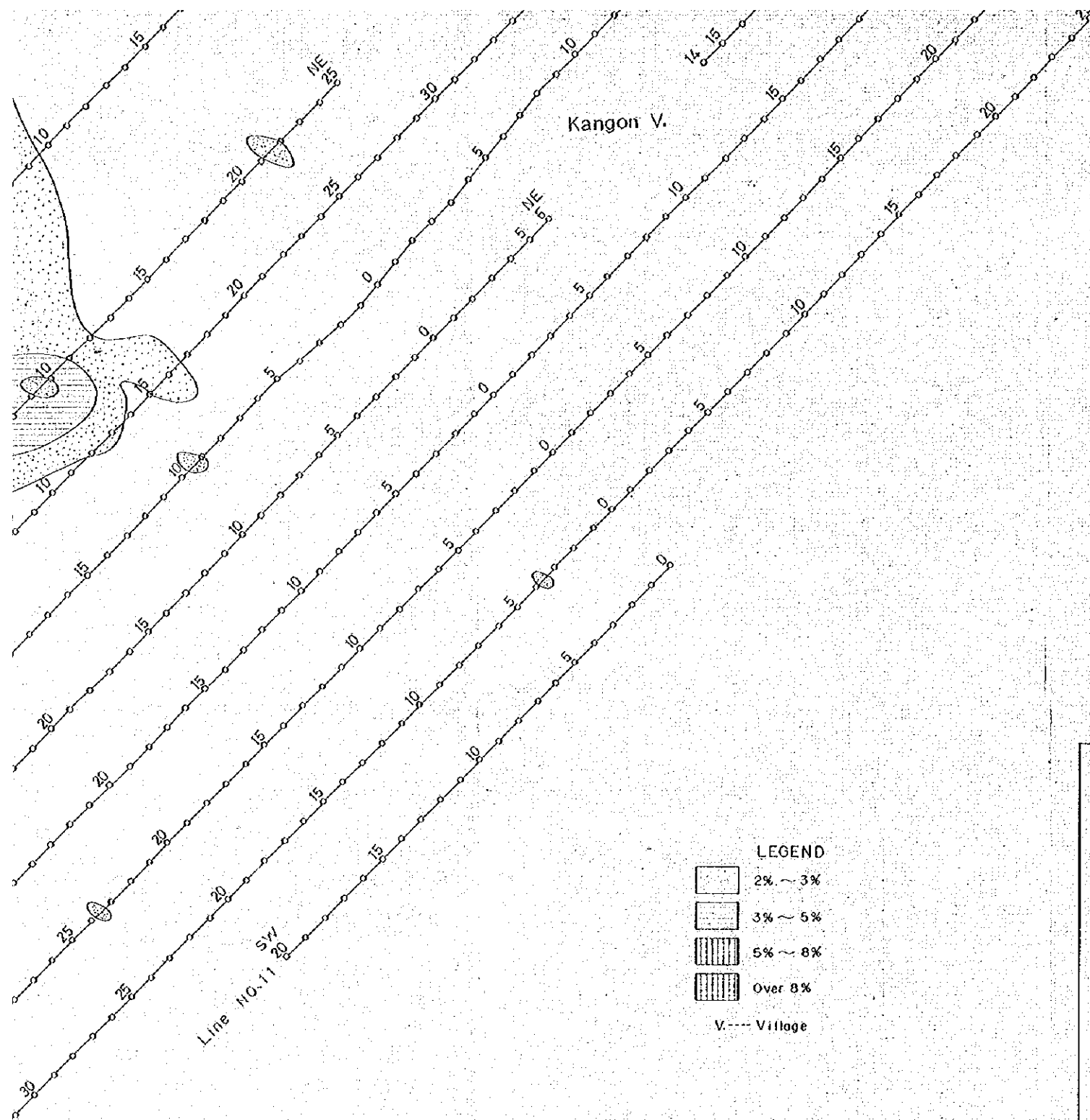
Scale 1:10,000
0 500 1,000m

Om SEA LEVEL

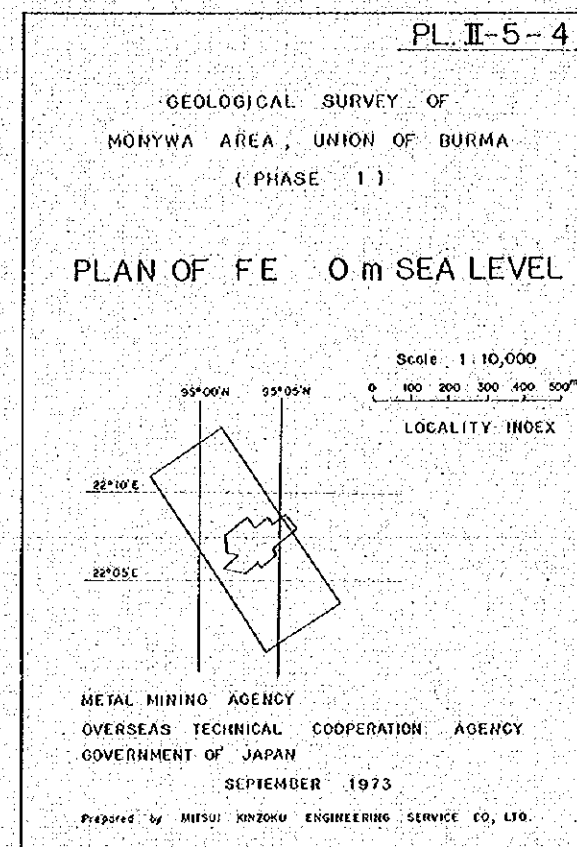


PL II-5-4

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



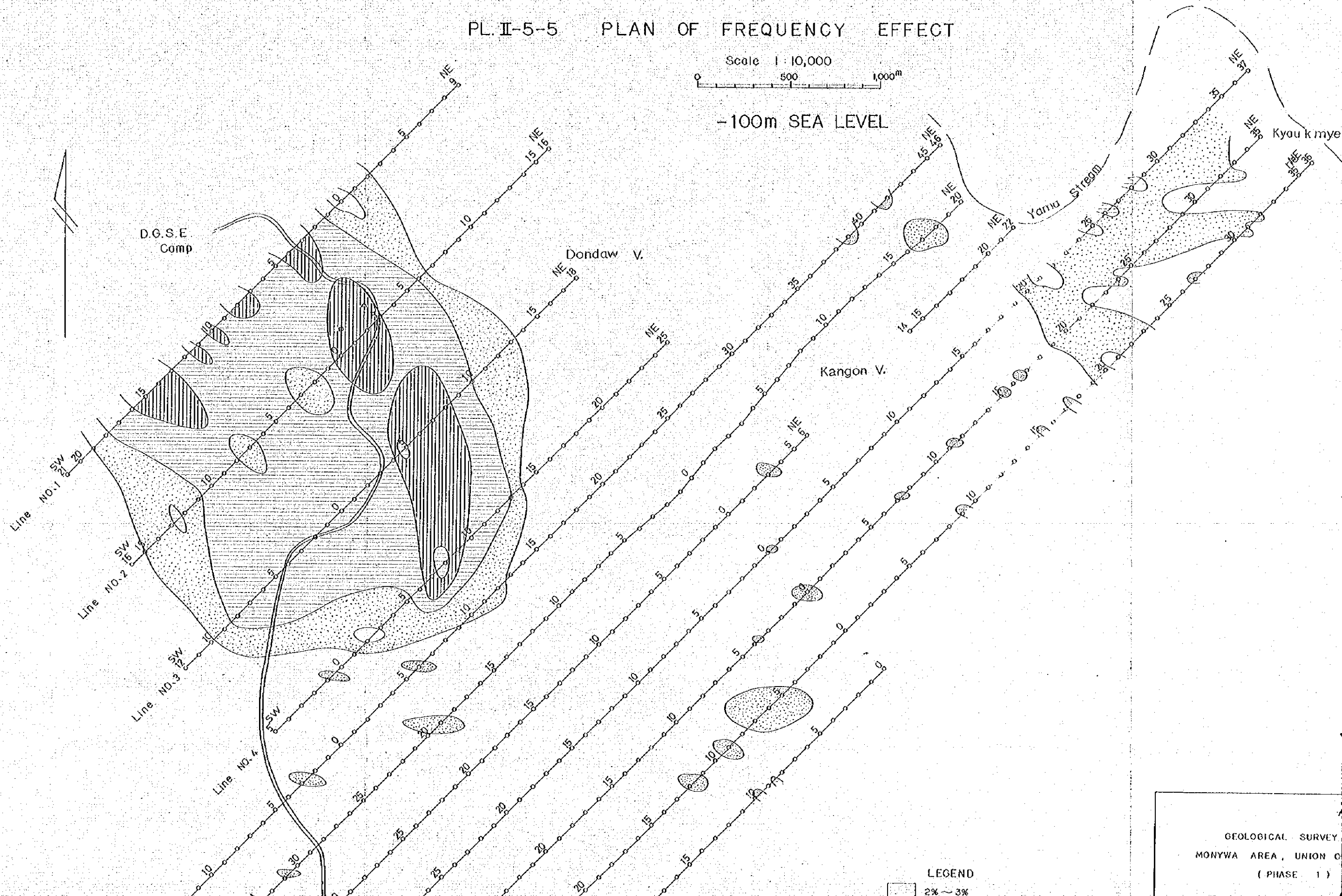
- LEGEND
- 2% ~ 3%
 - 3% ~ 5%
 - 5% ~ 8%
 - Over 8%
 - V.--- Village



PL. II-5-5 PLAN OF FREQUENCY EFFECT

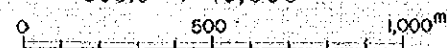
Scale 1 : 10,000
0 500 1,000m

-100m SEA LEVEL

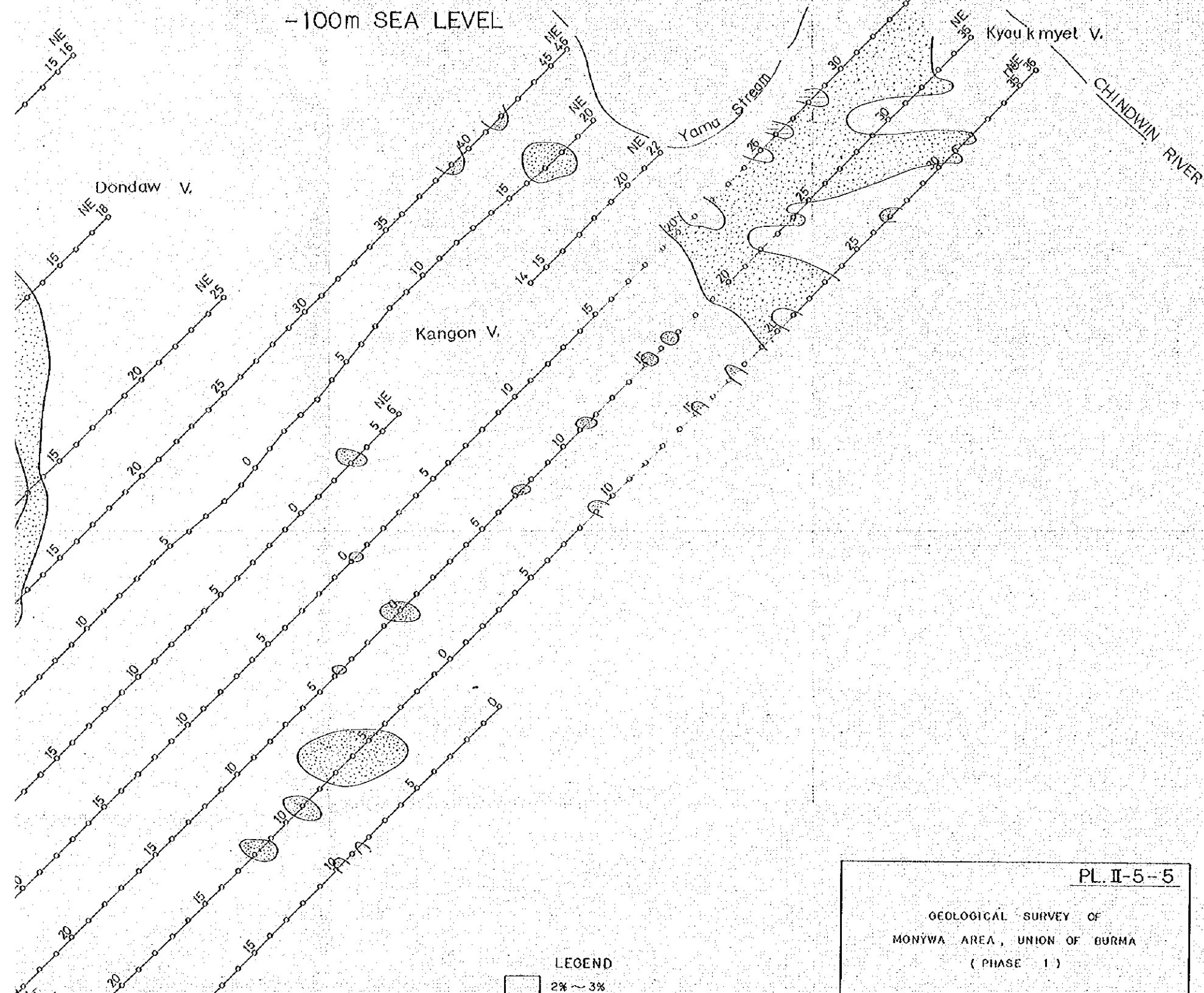


II-5-5 PLAN OF FREQUENCY EFFECT

Scale 1:10,000

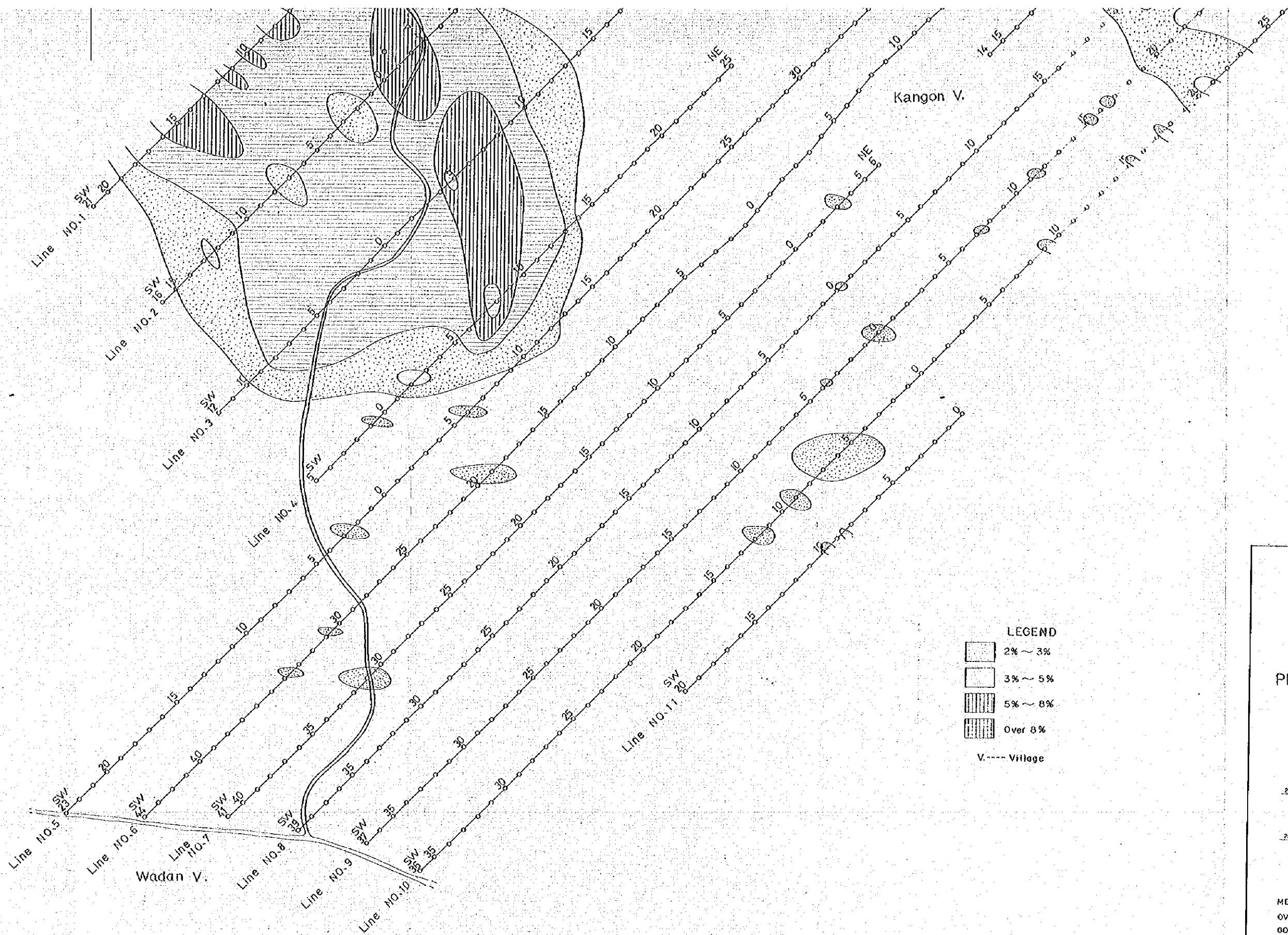


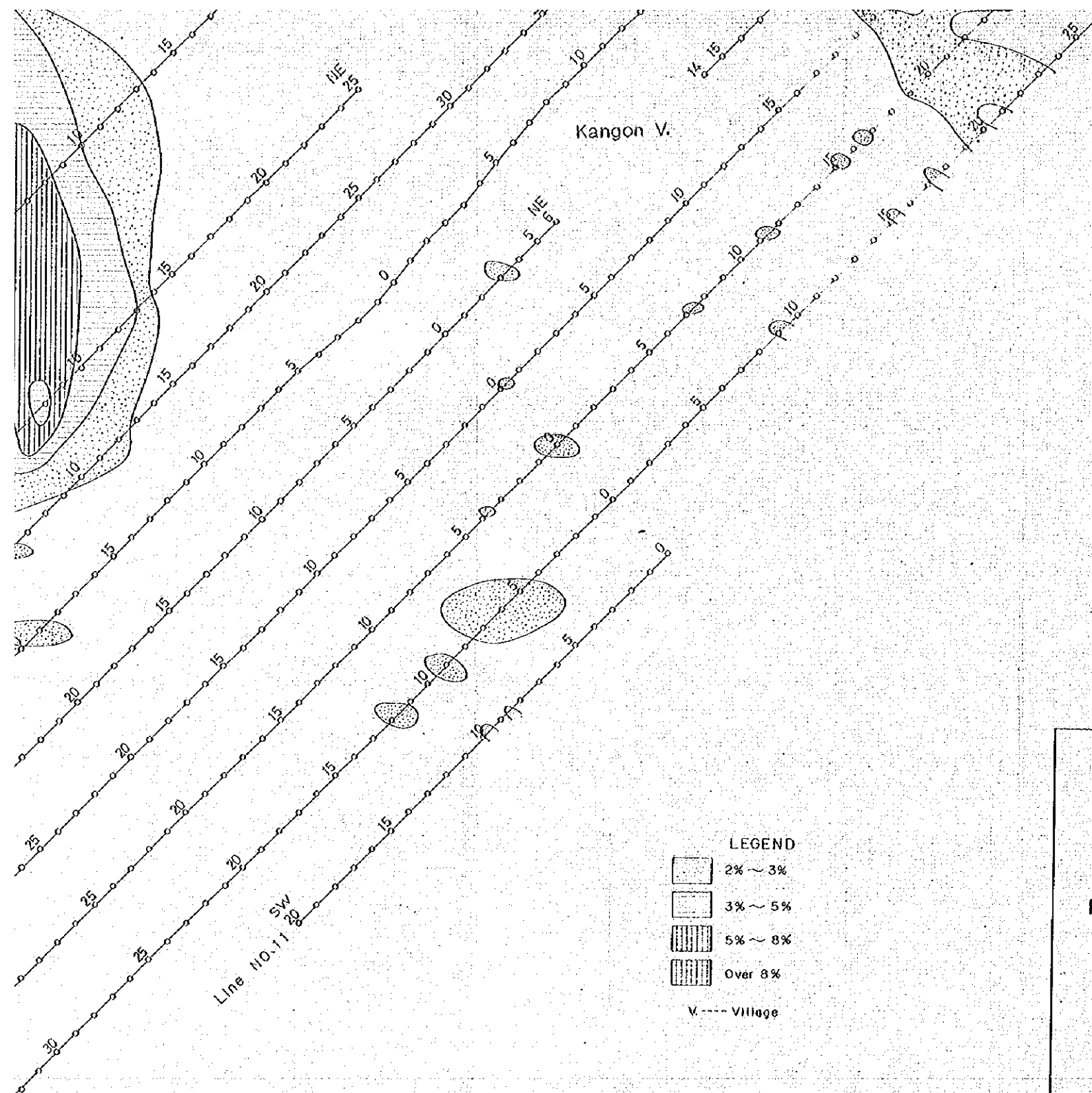
-100m SEA LEVEL



PL. II-5-5

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

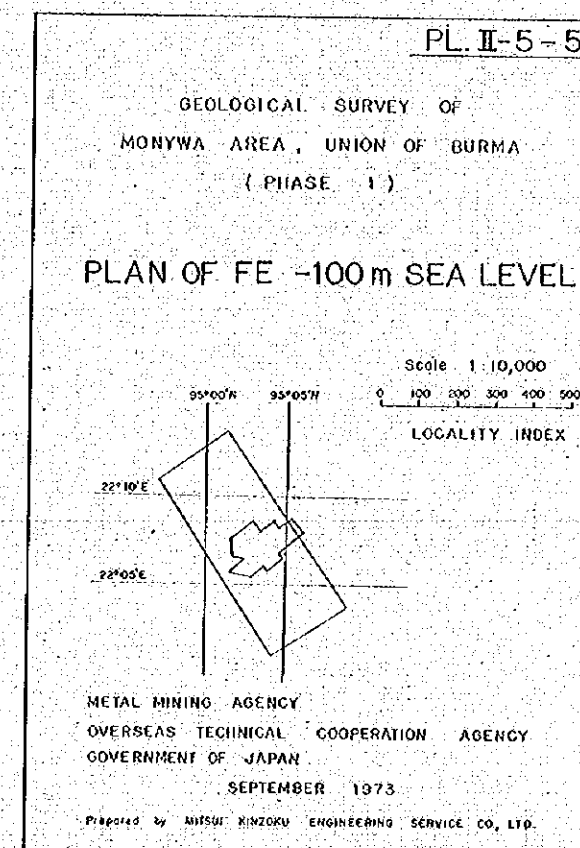




LEGEND

[Hatched pattern]	2% ~ 3%
[Dotted pattern]	3% ~ 5%
[Vertical lines]	5% ~ 8%
[Horizontal lines]	Over 8%

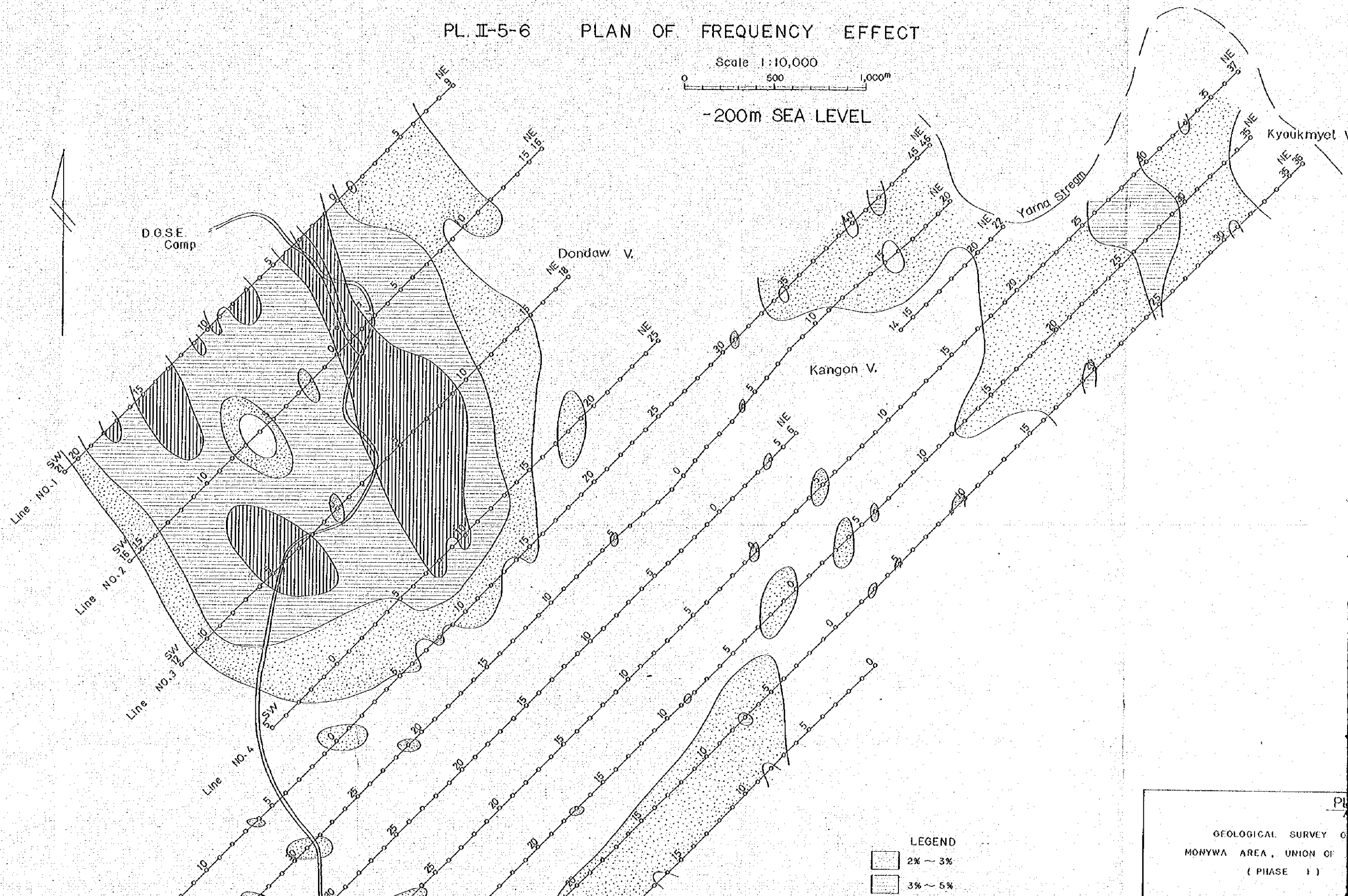
V ---- Village



PL. II-5-6 PLAN OF FREQUENCY EFFECT

Scale 1:10,000
0 500 1,000m

-200m SEA LEVEL



Scale 1:10,000
0 500 1,000m

-200m SEA LEVEL

NE 15 16
NE 18
NE 19
NE 20
NE 21
NE 22
NE 23
NE 24
NE 25
NE 26
NE 27
NE 28
NE 29
NE 30
NE 31
NE 32
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NE 96
NE 97
NE 98
NE 99
NE 100

Dondaw V.

Kangon V.

Yama Stream

Kyaukmyet V.

CHINDWIN RIVER

LEGEND

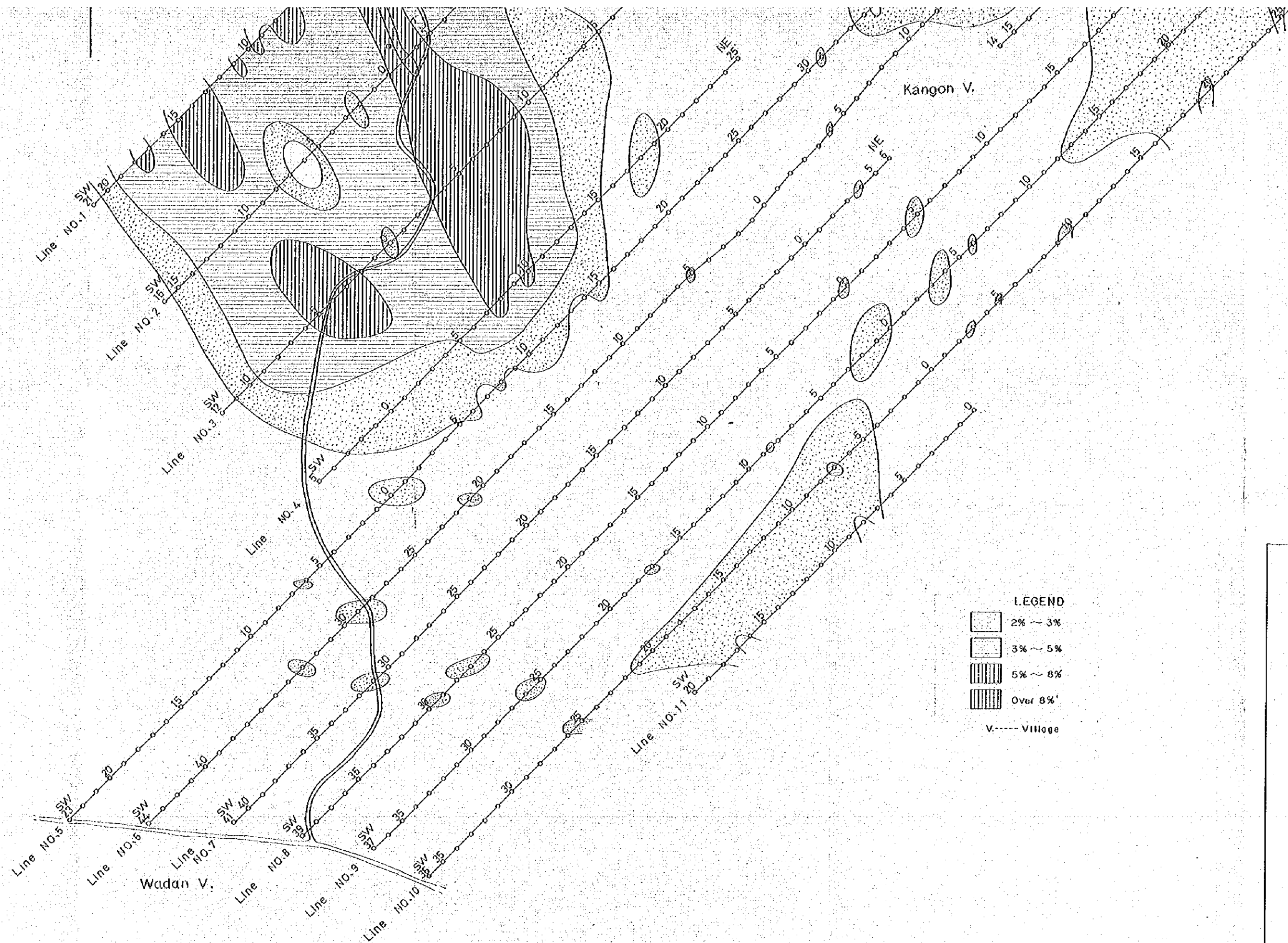
2% ~ 3%

3% ~ 5%

PL. II-5-6

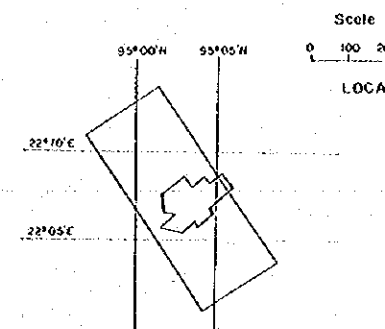
GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE I)

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



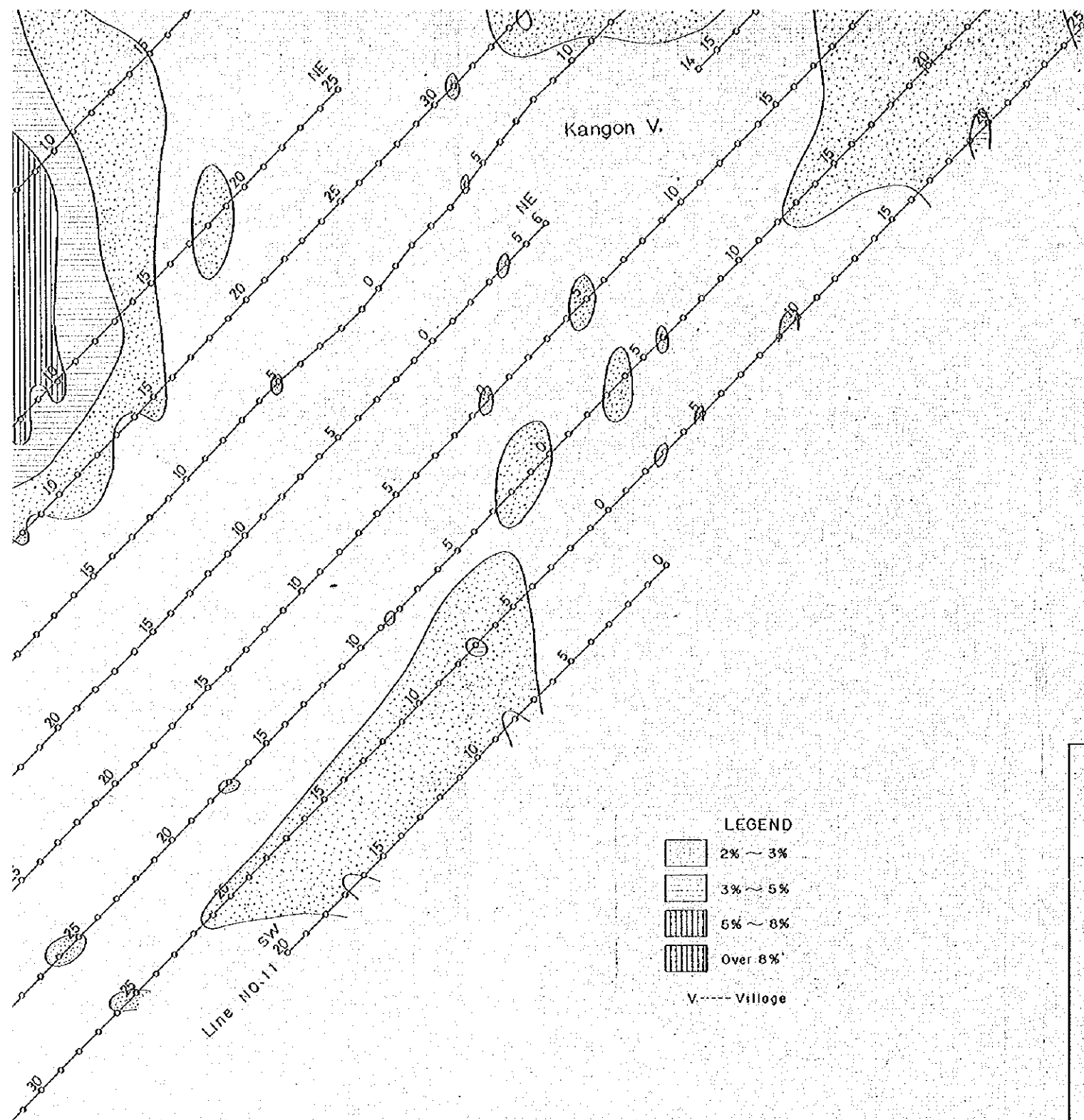
PL
GEOLOGICAL SURVEY OF
MONywa AREA, UNION OF
(PHASE I)

PLAN OF FE-200m SEA



METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION
GOVERNMENT OF JAPAN
SEPTEMBER 1973

Prepared by MITSUBI KINZOKU ENGINEERING SERVICE



LEGEND

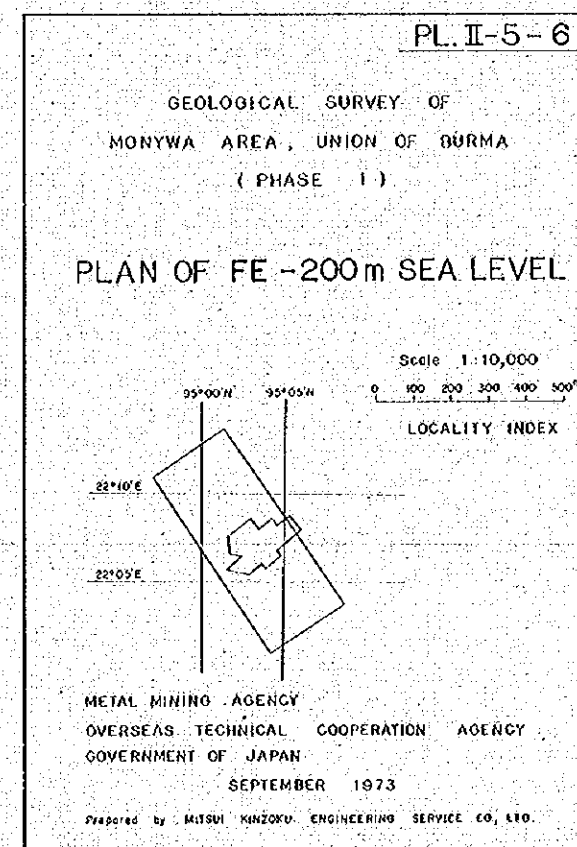
2% ~ 3%

3% ~ 5%

5% ~ 8%

Over 8%

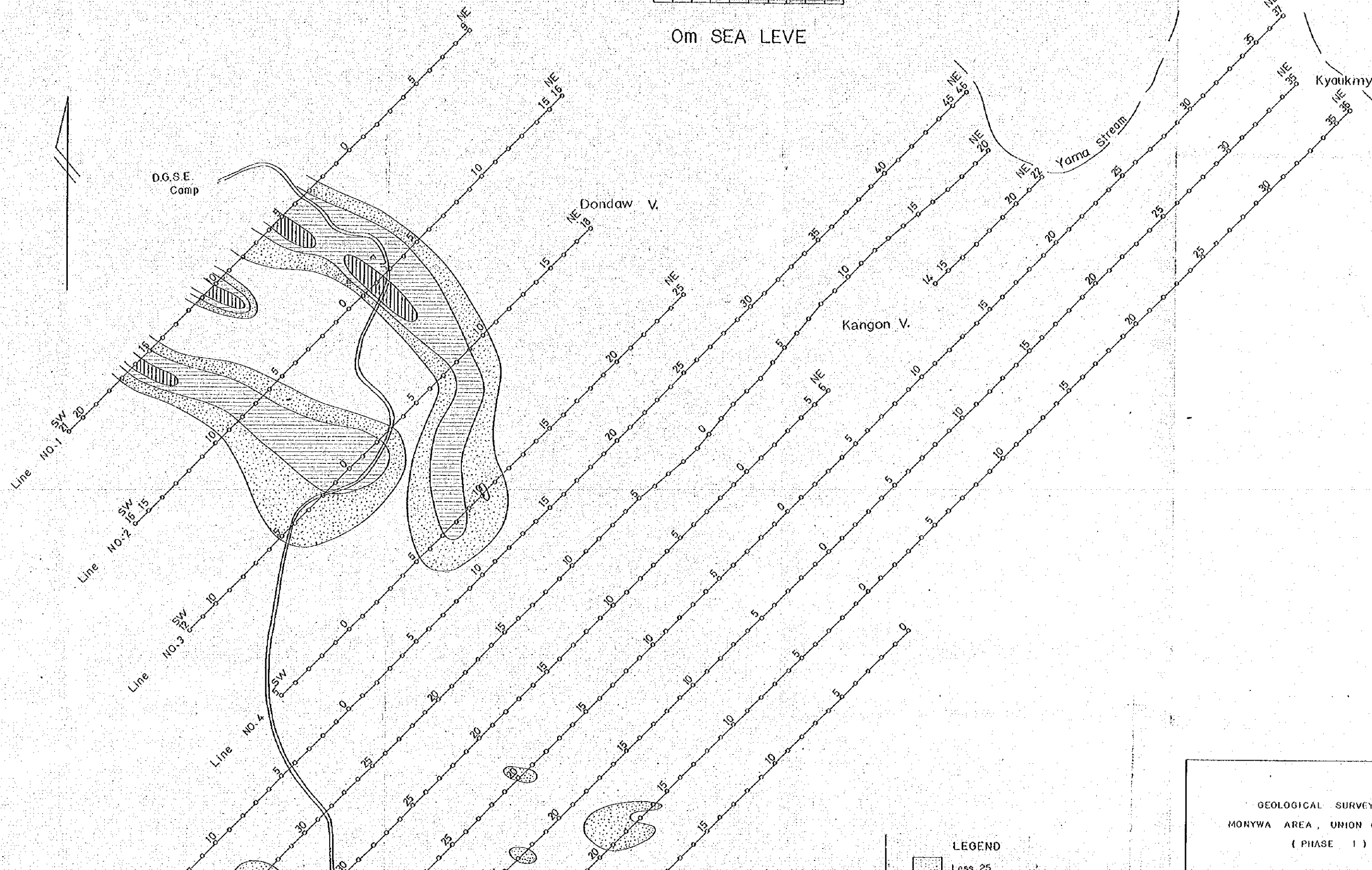
V-----Village



PL. II-5-7 PLAN OF METAL FACTOR

Scale 1 : 10,000
0 500 1,000m

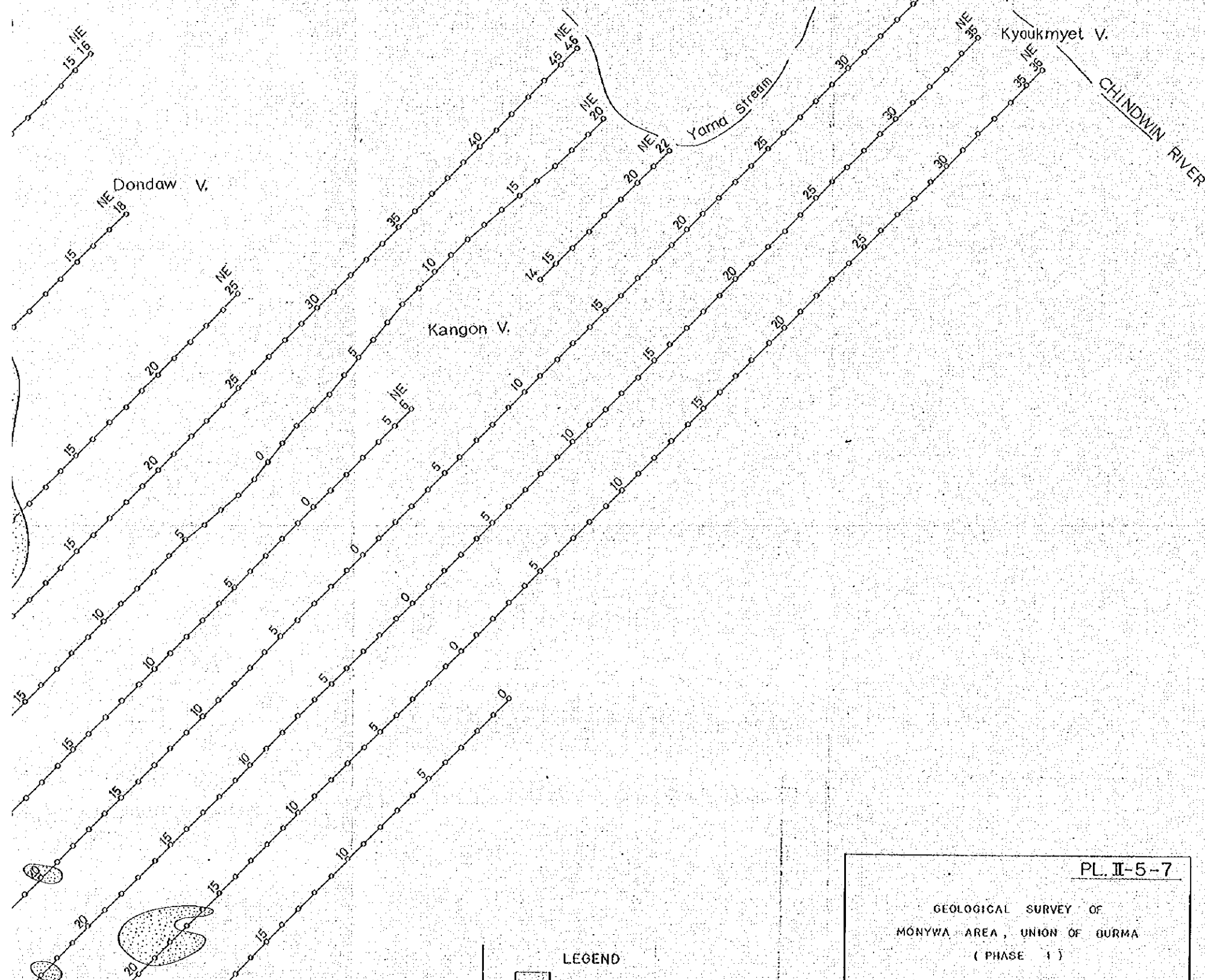
Om SEA LEVE

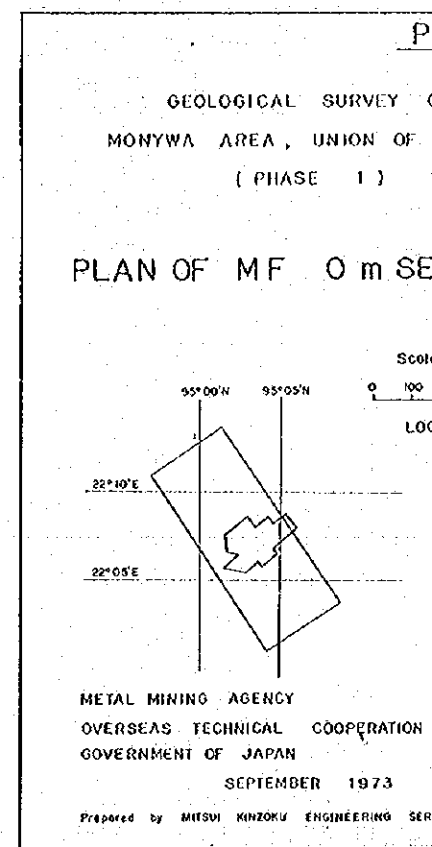
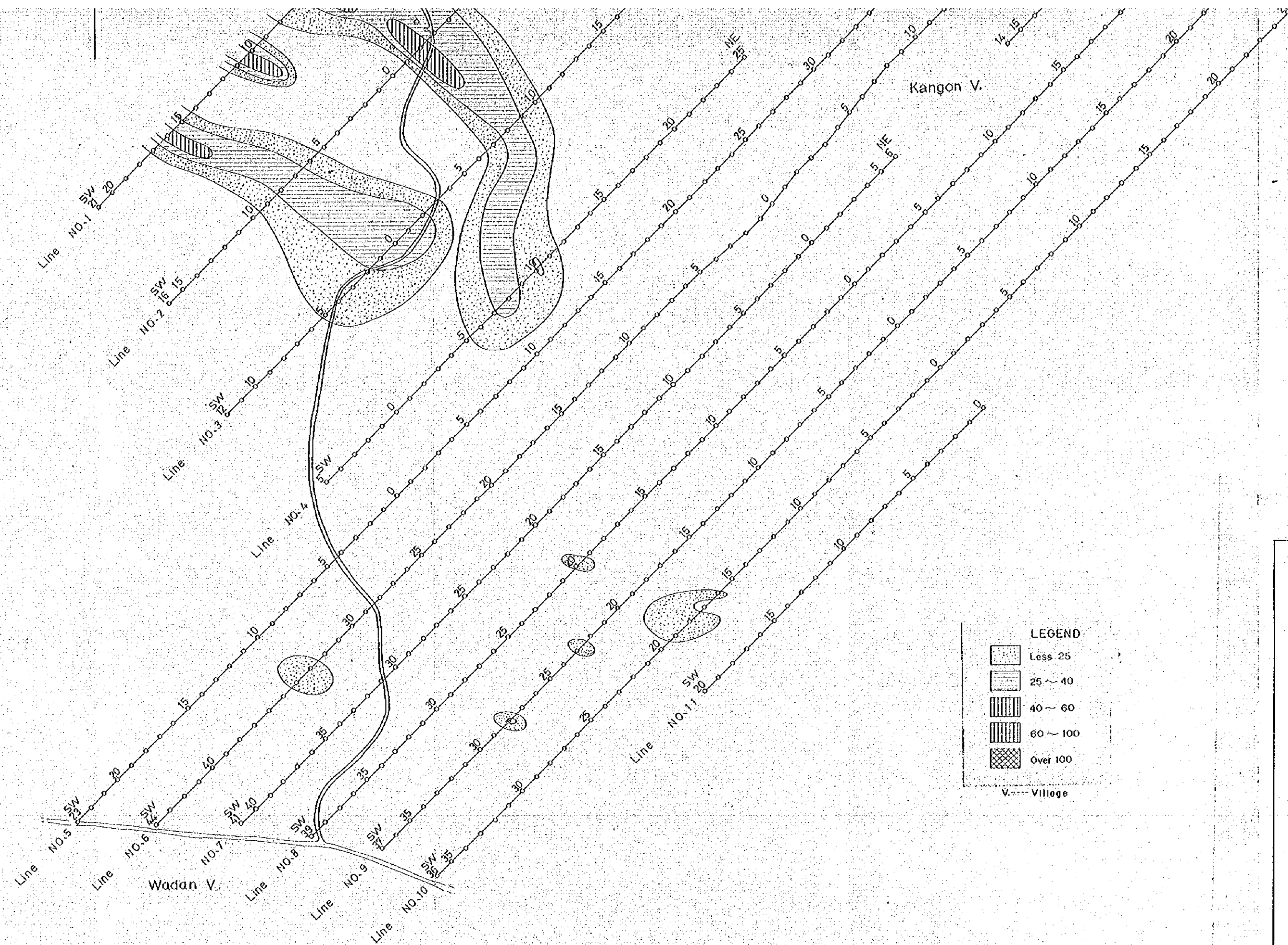


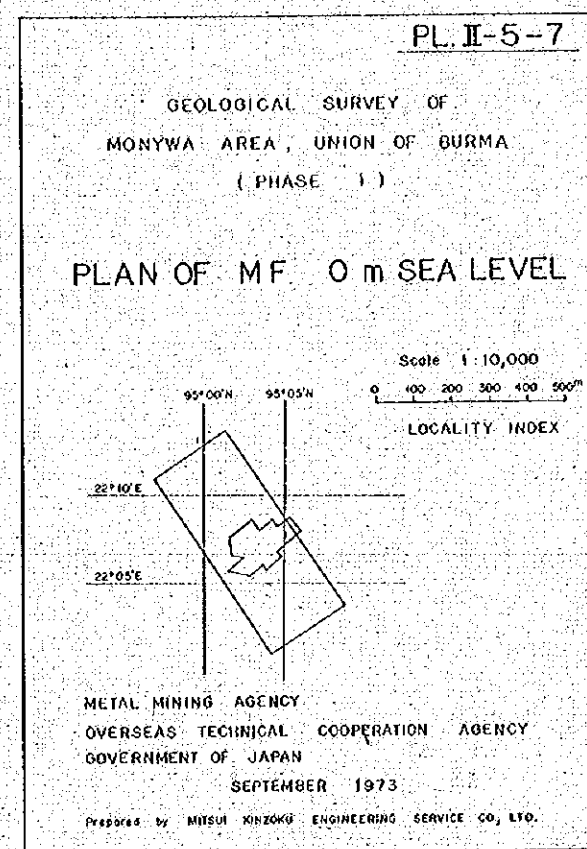
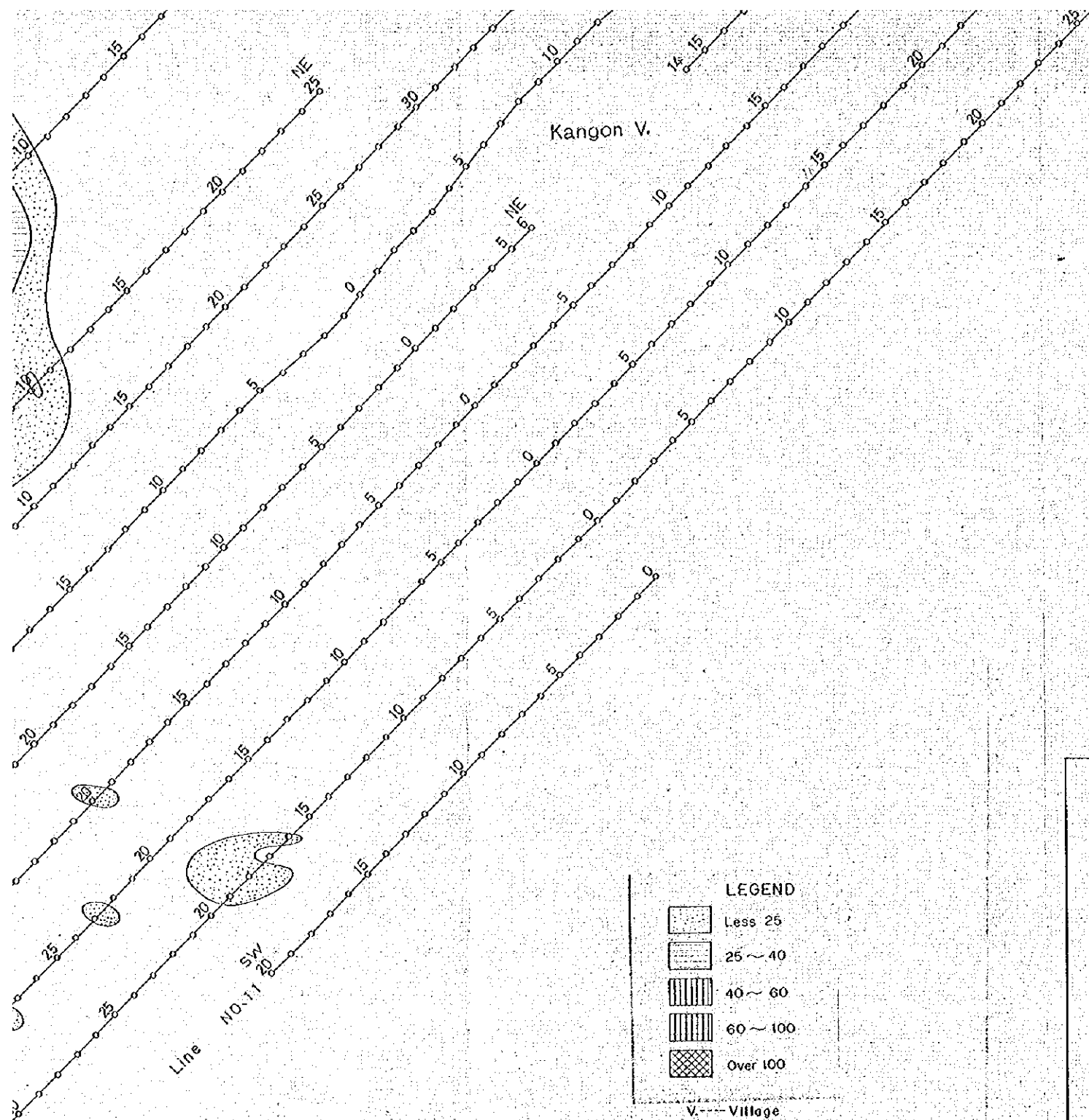
-5-7 PLAN OF METAL FACTOR

Scale 1:10,000
0 500 1,000

0m SEA LEVE



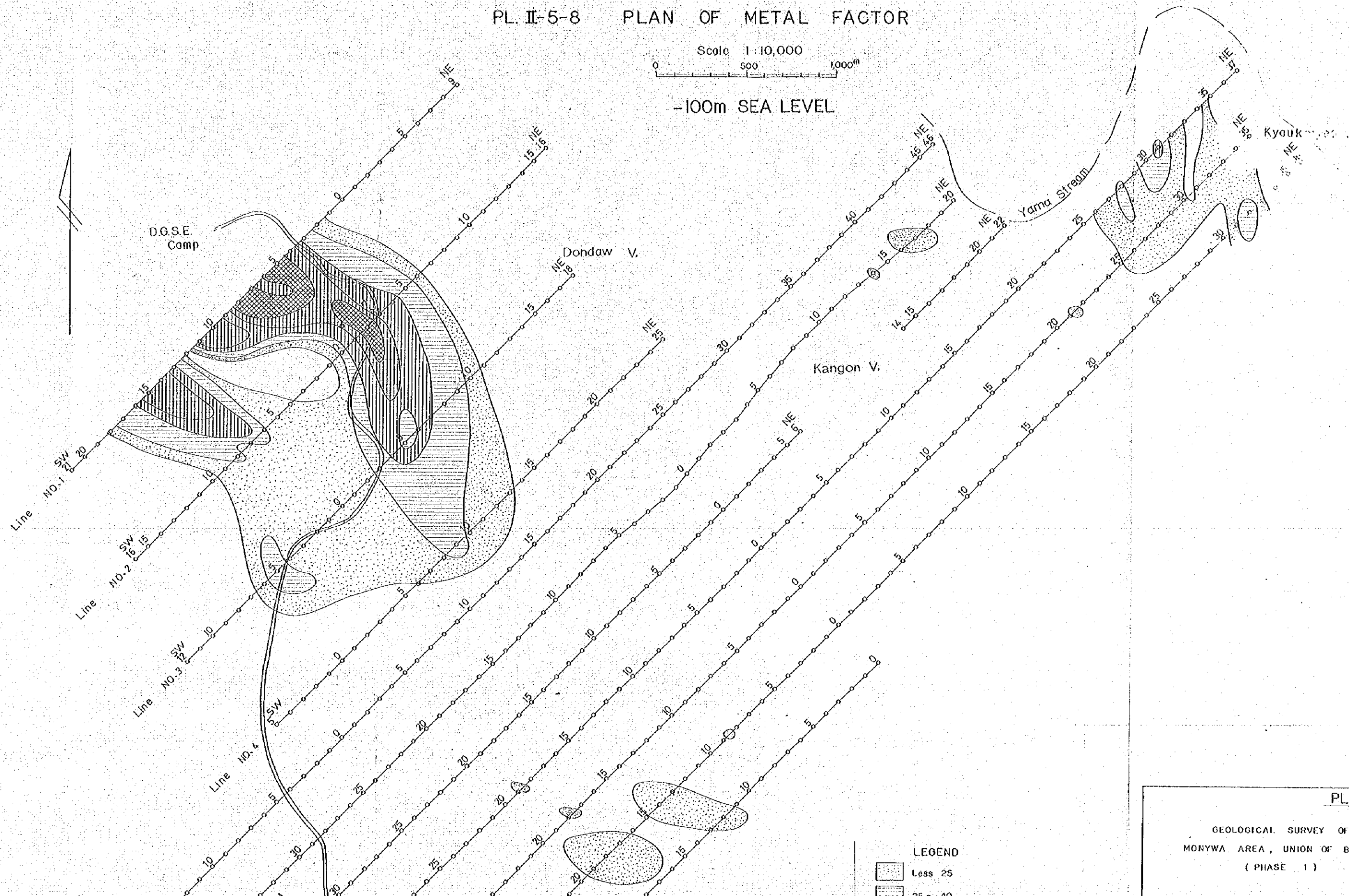




PL. II-5-8 PLAN OF METAL FACTOR

Scale 1:10,000
0 500 1,000m

-100m SEA LEVEL

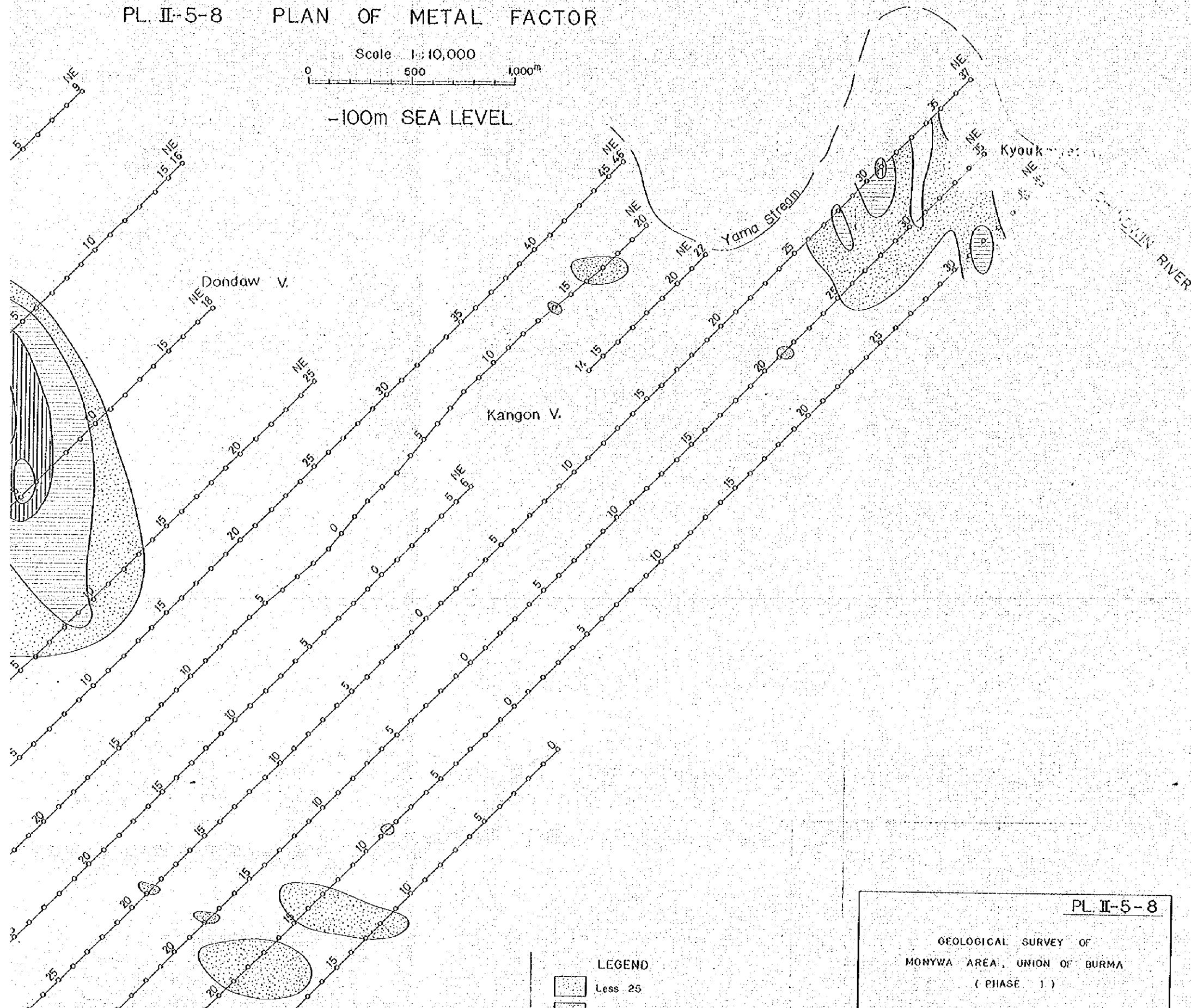


LEGEND
Less 25
25 - 40

PL. II-5-8 PLAN OF METAL FACTOR

Scale 1:10,000
0 500 1,000m

-100m SEA LEVEL



LEGEND

Less 25

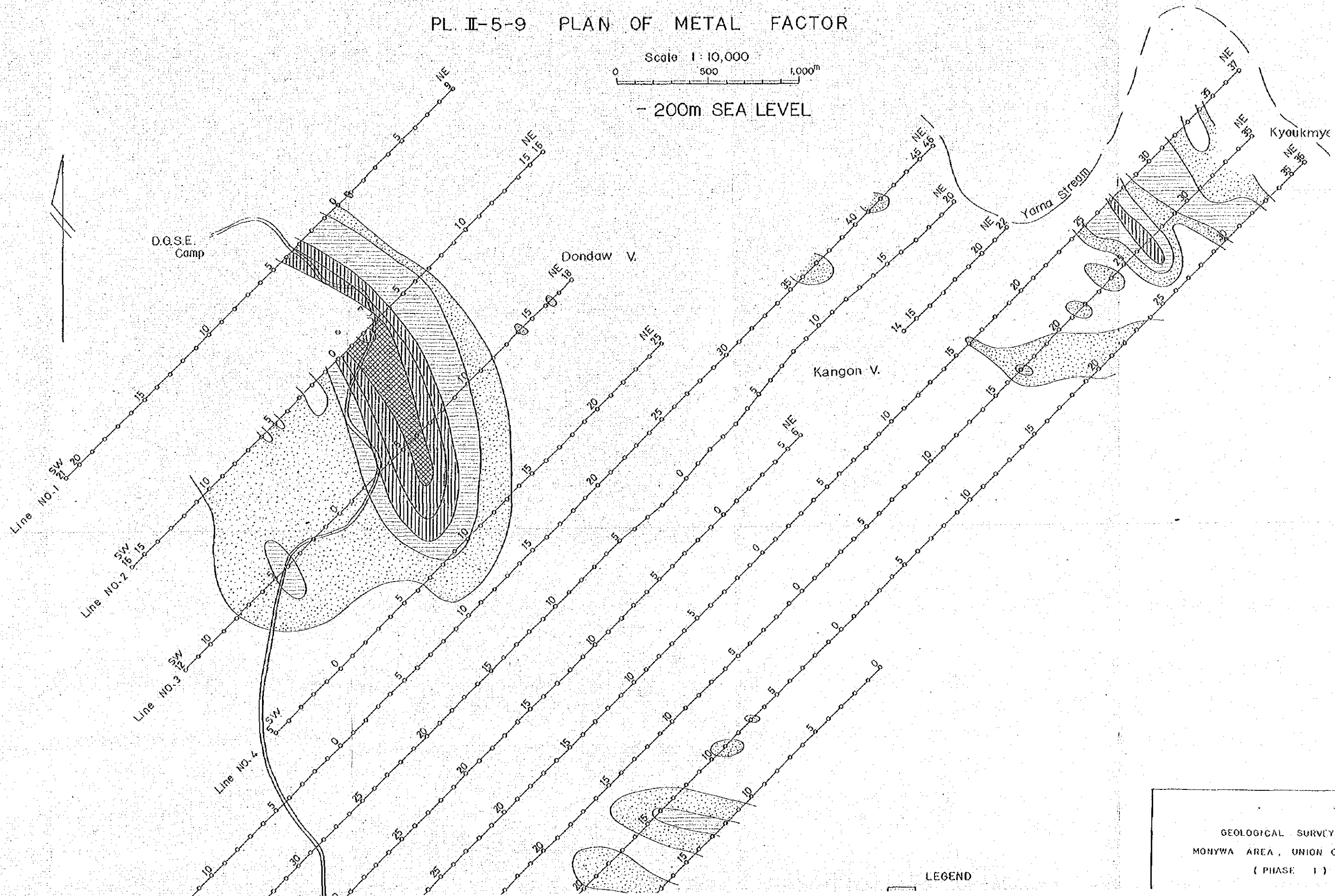
PL. II-5-8

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

PL. II-5-9 PLAN OF METAL FACTOR

Scale 1:10,000
0 500 1,000m

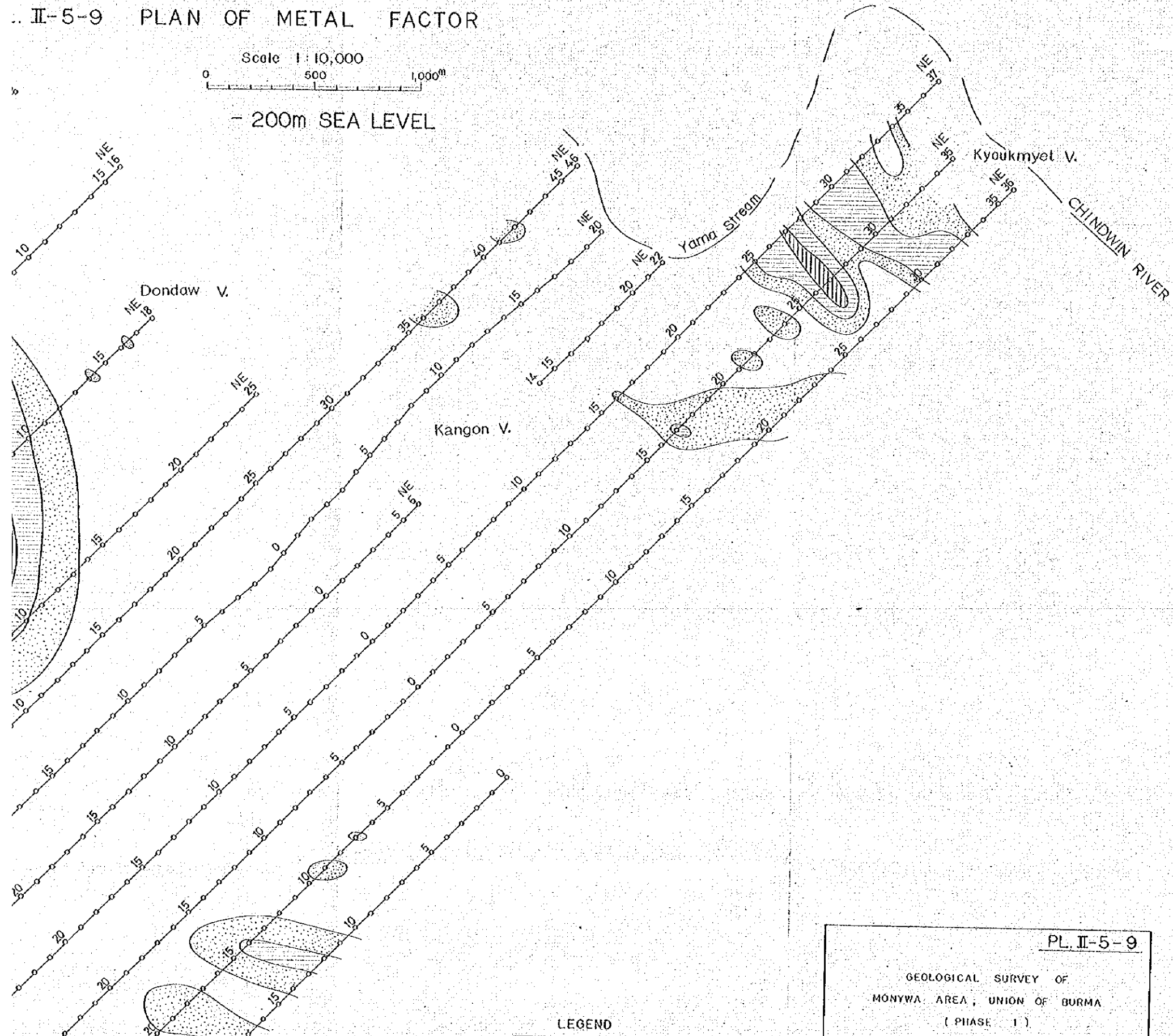
- 200m SEA LEVEL



.. II-5-9 PLAN OF METAL FACTOR

Scale 1 : 10,000
0 500 1,000m

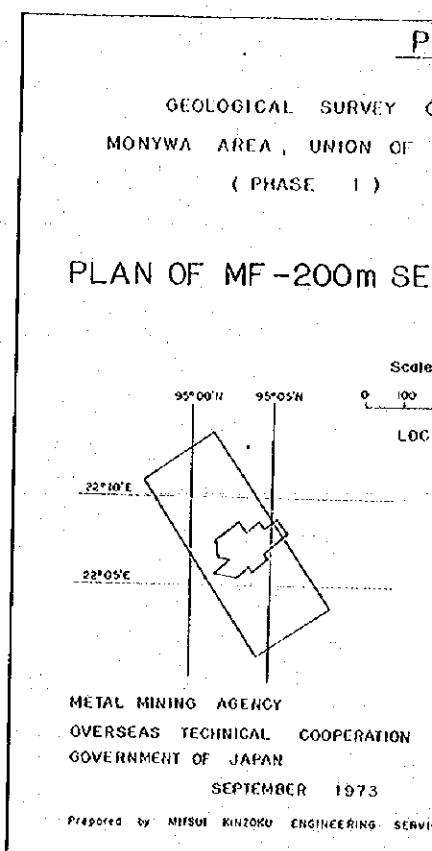
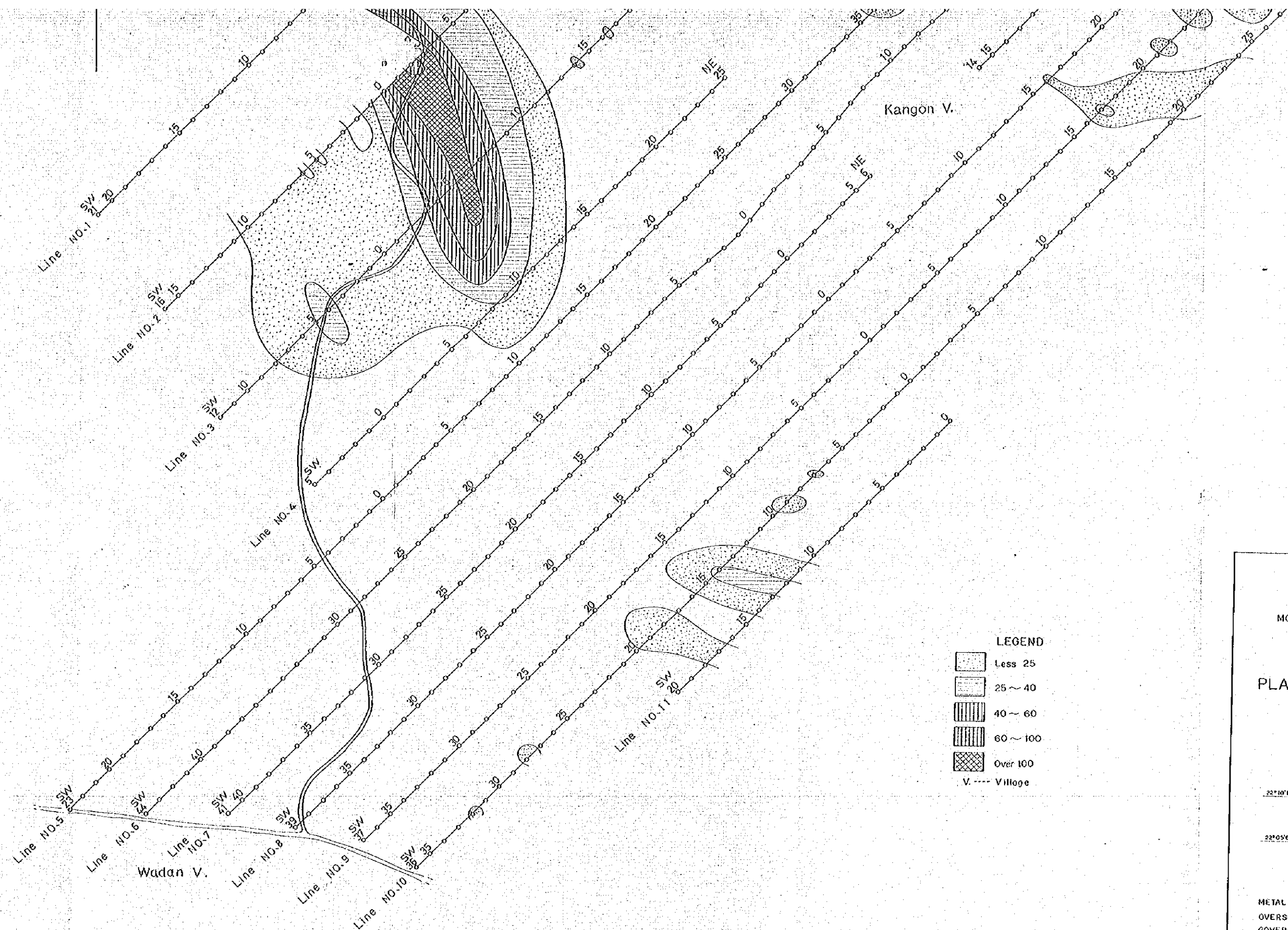
- 200m SEA LEVEL

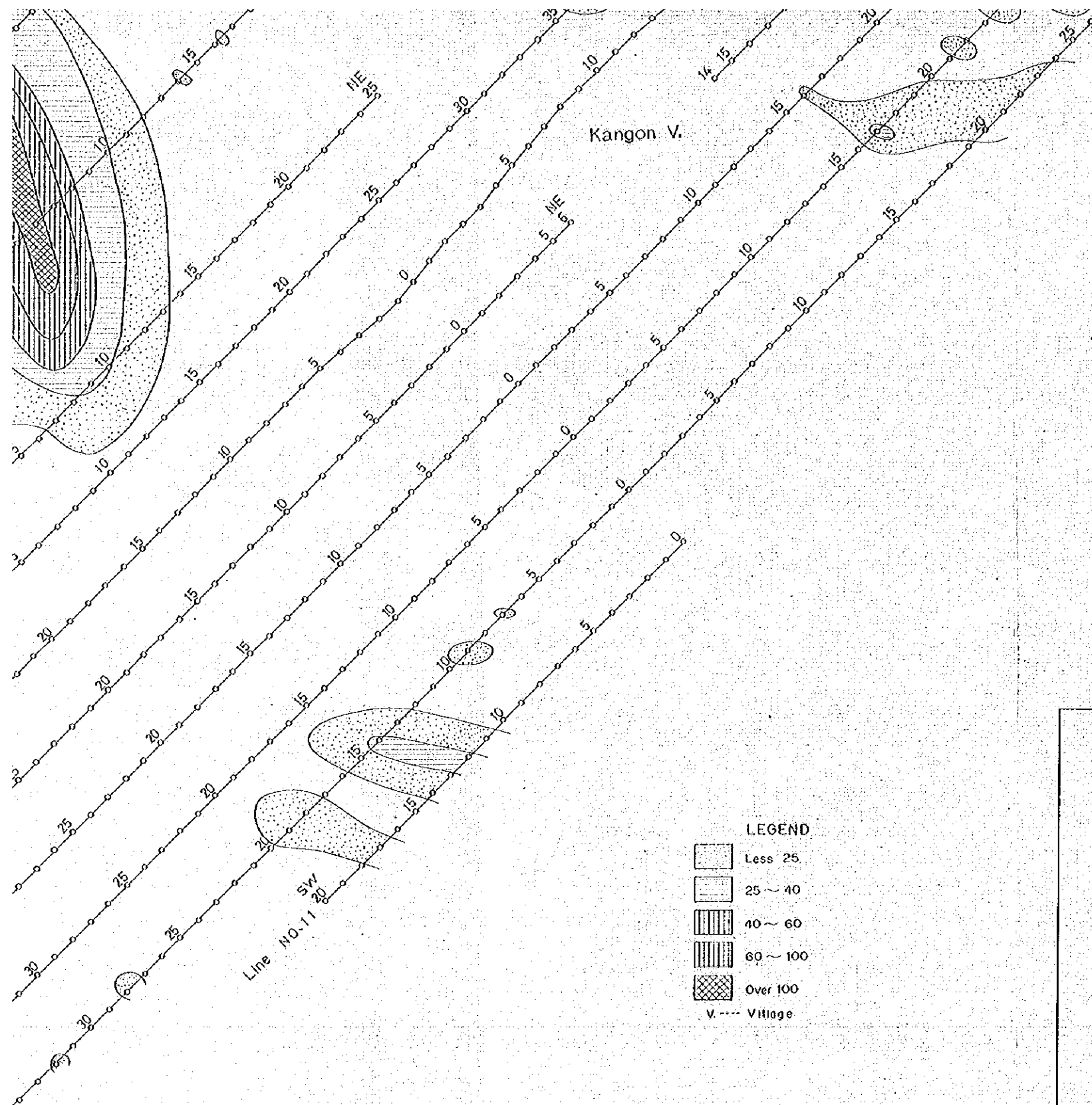


LEGEND

PL. II-5-9

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





- LEGEND
- Less 25
 - 25 ~ 40
 - 40 ~ 60
 - 60 ~ 100
 - Over 100
 - V. --- Village

