国際協力事業団
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国際資料室蔵書

PL I-9-41

GEOLOGICAL SURVEY OF
MONYWA AREA UNION OF BURMA
(PHASE II)

CORE LOG and ASSAY

D.D.H No. 32 E Sheet 1

Total Length 424.0 feet Core Recovery

Location Sabedaung Elevation 99.2 m

Direction O Inclination −90°

Date of Logging from 8·8·66 to 14·9·66

Logged by S. MONONOBE

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SEPTEMBER 1974

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO., LTD.

Depth (m)	Depth (feet)	Column Section	Particulars	Alteration & Mineralization: arg.	sil.	py.	cu.	Result of Chemical Analysis: Sample No.	Depth (feet)	Core Length	Sample Length	T-Cu %
			non core									
			tuffaceous rock						260	2.0	1.0	
10.0			subangular fragment of quartz - feldspar (3–5 mm)						270	5.0	1.5	
									330	6.0	1.5	
			biotite porphyry (lava)						340	2.0	1.0	
	50.0								410	6.0	3.0	
									470	8.0	5.0	
			biotite : 3–5 mm						550	8.0	6.0	
20.0			feldspar : 4–6 mm						600	7.0	3.0	
									650	5.0	0.5	
									665	2.5	0.5	
			biotite porphyry						765	7.0	1.5	
									825	6.0	1.5	
			quartz phenocryst, feldspar phenocryst rich rock						865	4.0	1.5	
30.0									925	6.0	5.0	
	100.0		chalcocite-quartz vein						1000	7.5	5.0	
		70°	pyrite						1040	3.0	1.5	
			argillized biotite porphyry						1050	4.0	1.0	
		70°	chalcocite veinlet						1068	2.0	1.5	0.15
									1150	6.0	3.0	0.22
			pyrite-chalcocite vein						1210	5.0	1.0	0.84
									1225	5.5	0.5	0.75
40.0			silicified biotite porphyry						1245	2.0	1.5	0.91
									1268	3.5	2.0	0.32
			orthoclase-porphyry with rock fragment						1360	6.0	6.0	0.30
			biotite porphyry									
			rhyolite tuff mixture						1450	9.0	8.0	0.35
	150.0								1515	6.5	3.0	0.01
			chalcocite veinlets						1563	5.0	5.0	0.12
50.0			chalcocite pyrite veinlet									
			rhyolitic tuff fragment						1645	10.0	8.5	0.26
			tuffaceous rock						1735	7.0	6.0	0.15
			fine grained quartz fragment, porphyritic rock									
			pyrite vein						1830	9.5	5.0	0.06
			biotite, brown colored (3–4 mm) porphyry									
60.0			with tuffaceous breccia						1930	10.0	7.0	0.04
	200.0								2010	8.5	7.0	0.05
			pyrite pseudized fragment						2105	9.5	7.0	0.01
			brecciated biotite porphyry									
			with fine grained igneous rock or tuff						2170	6.5	4.0	0.16
			porphyritic rock fragments fragment						2230	7.0	4.5	0.21
70.0			biotite relict									
			Pb gossan, tuffaceous rock						2340	10.0	8.0	0.06
			solid Pb vein quartz - pyrite fragment (2–5 cm)									
	250.0		some large fragments						2440	10.0	5.0	0.07
									2540	10.0	1.0	0.12
80.0			lapilli tuff						2640	10.0	9.0	0.13
									2735	9.5	8.5	0.03
			fine grained part						2835	10.0	8.0	0.03
									2880	4.5	G.L.	—
90.0	300.0								2980	10.0	8.0	0.05
			tuffaceous rock						3040	6.0	5.5	0.05
			silica fragment (5–10 cm)									
			rhyolitic tuff breccia						3140	11.0	7.0	0.05
100.0									3210	7.0	4.5	0.05
			pyrite vein						3255	4.5	4.5	TR.
									3295	5.0	3.5	0.02
									3325	9.0	7.5	0.03
	350.0								3355	6.0	5.5	0.05
110.0			tuffaceous rock						3520	7.0	2.5	0.05
			silica fragment 20x20 cm ... max						3610	9.0	2.5	0.05
			5x 5 cm ... min						3645	3.5	3.0	0.05
									3745	4.0	2.0	0.09
			subrounded fragment						3780	8.5	6.0	0.04
			some large silica fragments									
120.0			(20x30 cm)						3890	10.0	6.0	0.04
	400.0								3965	7.5	7.0	0.05
									4005	9.0	0.5	0.05
			(pyroclastic flow)						4045	4.0	0.5	0.11
									4186	9.5	7.5	0.07
130.0									4200	8.0	1.5	0.06
			bottom									
	450.0											
140.0												
150.0	500.0											
160.0												
	550.0											
170.0												
180.0												
	600.0											
190.0												
	650.0											
200.0												
210.0												
	700.0											

LEGEND

- Mudstone
- Sandstone
- Tuff. Lapilli tuff. Tuff breccia.
- Rhyolite
- Porphyry — hornblende−biotite porphyry; biotite porphyry; quartz−biotite porphyry
- Brecciation
- 30 Inclination of plane structures. (bedding plane intrusive boundary etc)

DEGREE OF ALTERATION AND MINERALIZATION

	argillization *	silicification	pyritization	mineralization
		SiO2	FeS2	Cu
fresh		< 55 %	< 1 %	< 0.2 %
weak		55 ~ 65 %	1 ~ 5 %	0.3 ~ 0.5 %
medium		65 ~ 80 %	5 ~ 10 %	0.6 ~ 0.9 %
strong		> 80 %	> 10 %	> 1 %

* fresh : unaltered
weak : parts of feldspar phenocrysts changed into clay minerals
medium : almost all the feldspar phenocrysts changed into clay minerals
strong : not only feldspar phenocrysts but also ground-mass changed into clay minerals
(by a field observation)

ABBREVIATIONS

arg. : Argillization
sil. : Silicification
py. : Pyritization

kao. : Kaolinization
ser. : Sericitization
ch. : Chloritization
alu. : Alunitization
c.c.p. : Chalcopyrite
c.c. : Chalcocite
en. : Enargite
dis. : Dissemination
v. : Veinlet
w. : Width

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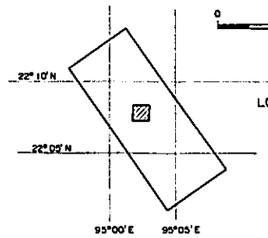
PL. I-10

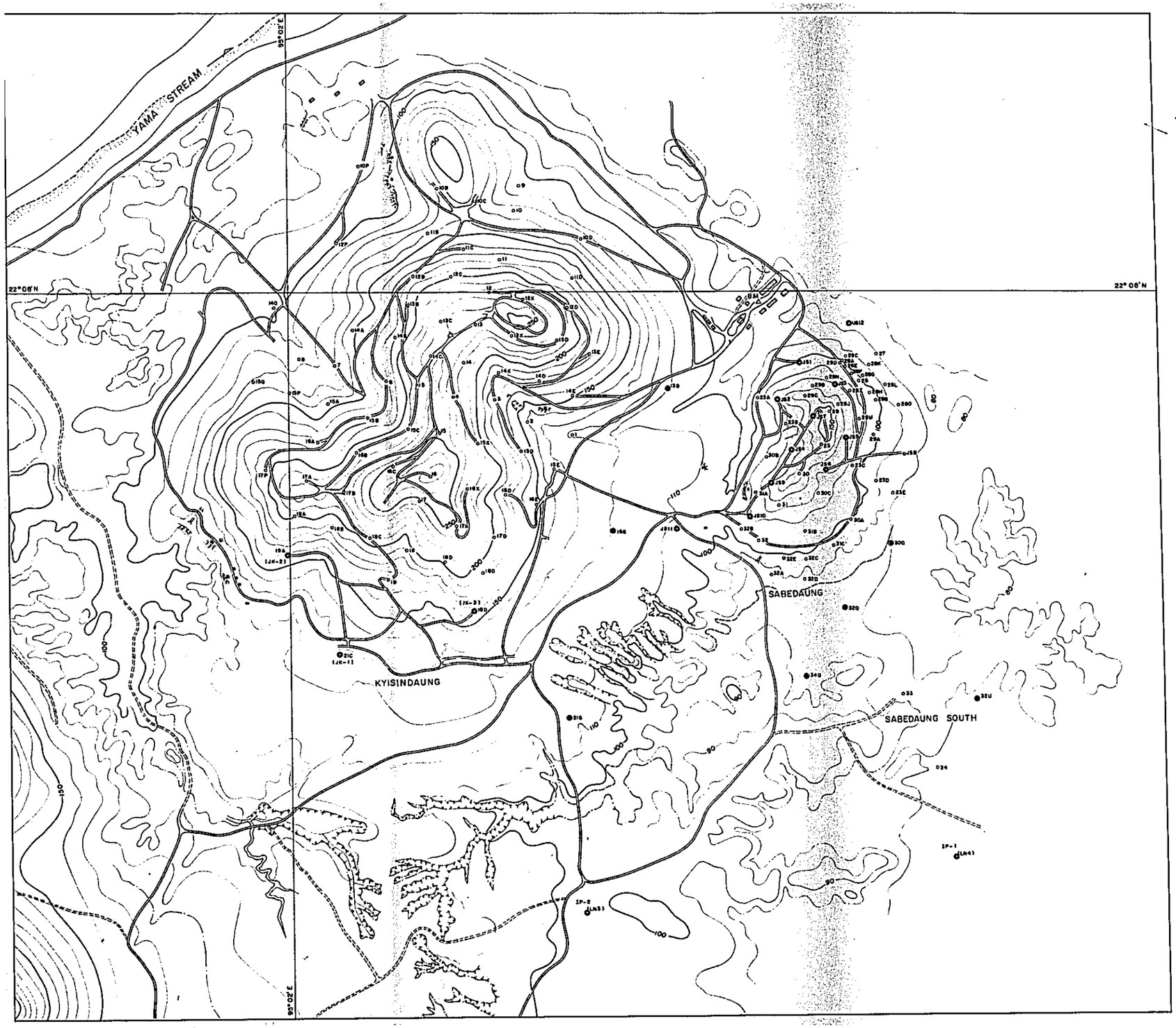
GEOLOGICAL SURVEY OF
MONYWA AREA, UNION OF BURMA
(PHASE II)

LOCALITY MAP OF DRILL HOLES IN KYISINDAUNG AND SABEDAUNG SECTOR

Scale 1 : 5,000
0 100 200 300m



LOCALITY INDEX



LEGEND

- JS 8 — Drill Hole by Japanese Survey Team (◉ 1972, PHASE I ⊙ 1973, PHASE II)
- 16D — Drill Hole by M.M.D.C.
- Jeepable Road
- 100 — Contours (Interval 10m)
- Old Working

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SEPTEMBER 1974

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO, LTD.

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PL. I-11

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

LOCALITY MAP OF DRILL HOLES IN LETPADAUNG SECTOR

Scale 1 : 10,000

0 100 200 300 400 500m

95°00'E 95°05'E

22°10'N

22°05'N

LOCALITY INDEX

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SEPTEMBER 1974

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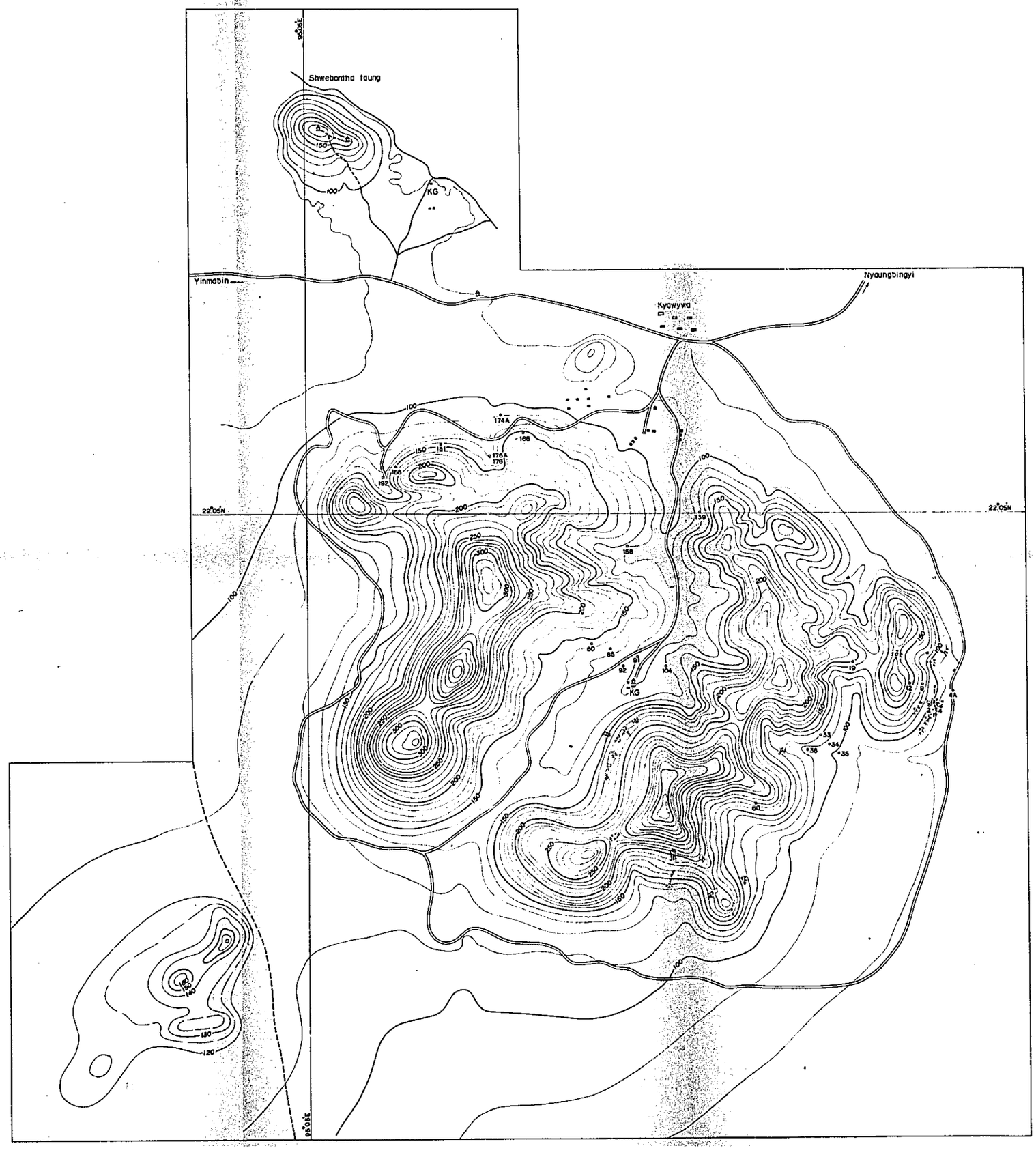


LEGEND

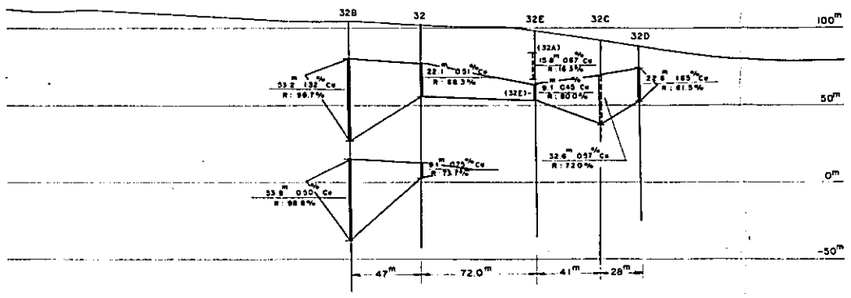
158 Drill Hole by M.R.D.C

Jeepable Road

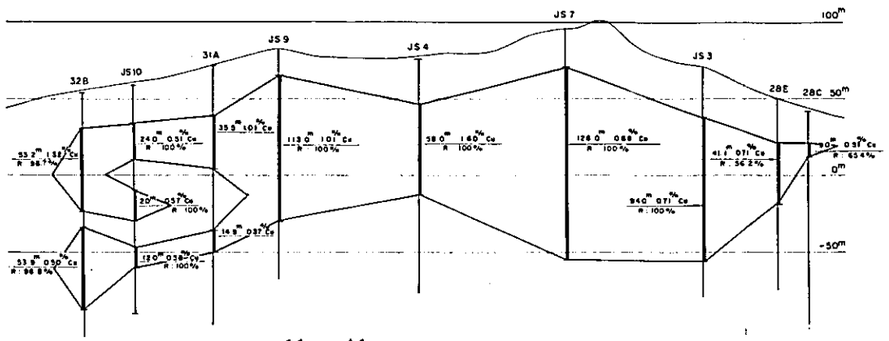
100 Contours (Interval 10m)

Old Working

9 — 9



10 — 10



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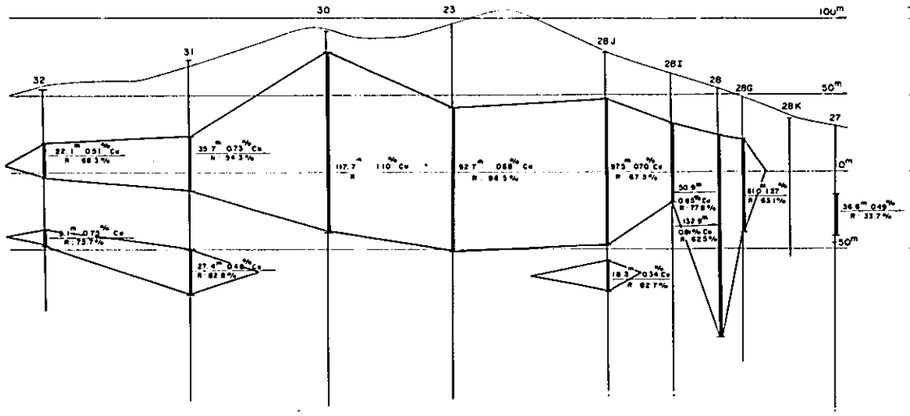

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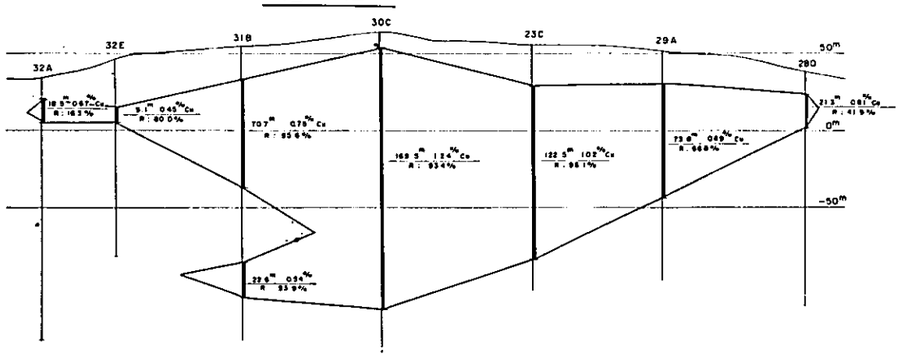

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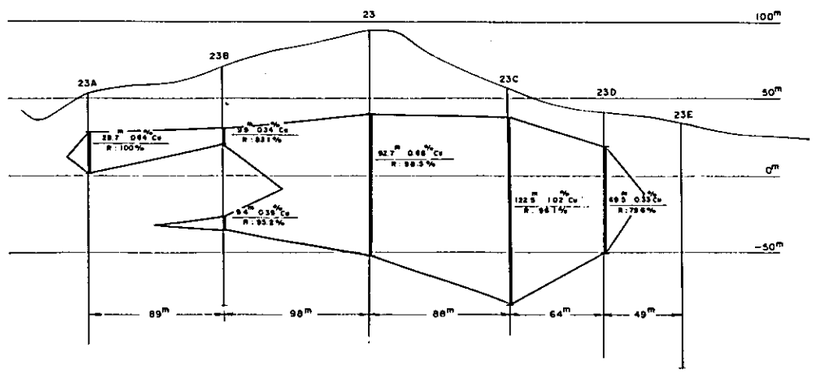
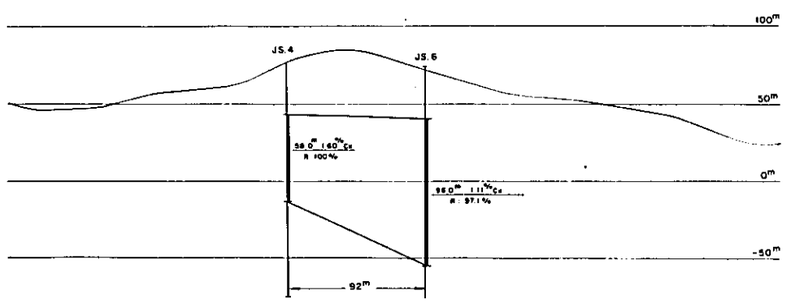


6(1) — 6(1)



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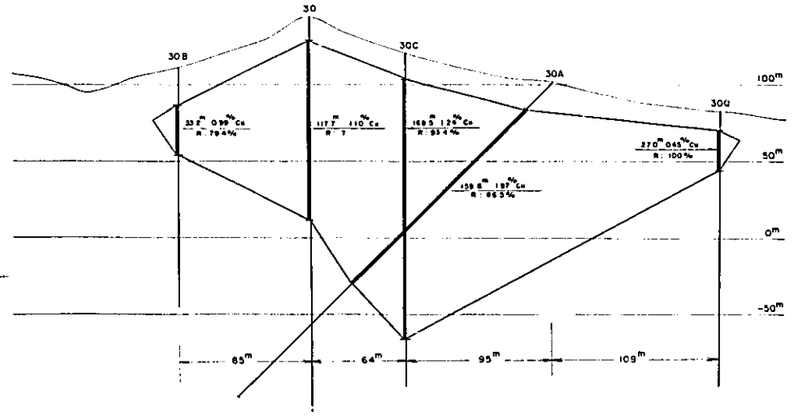

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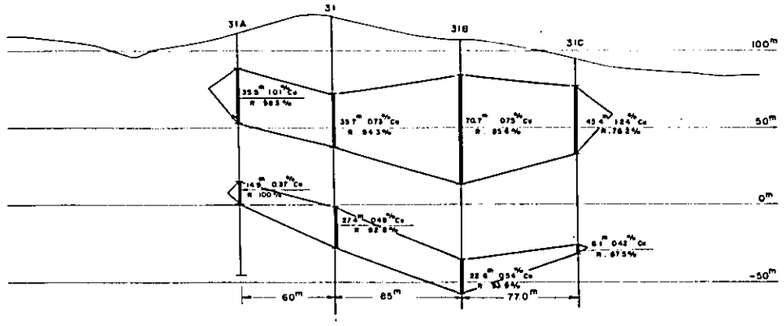

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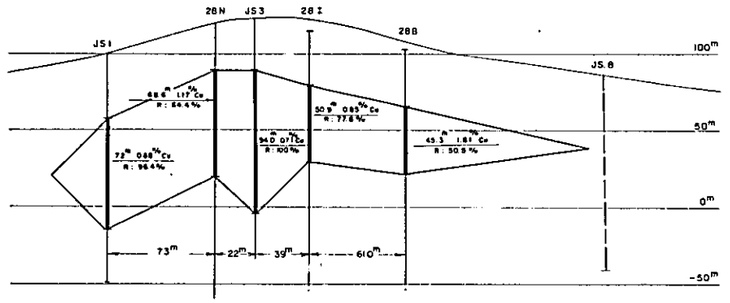

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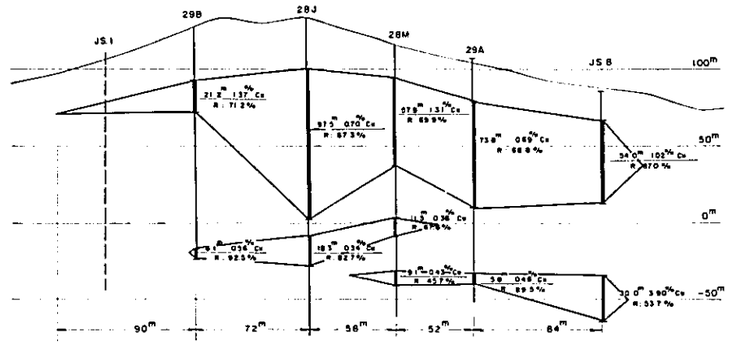
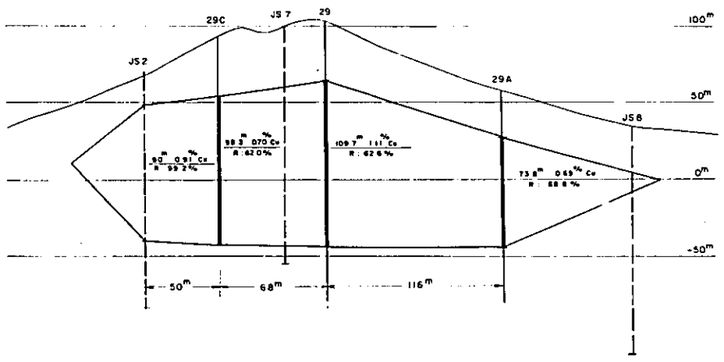
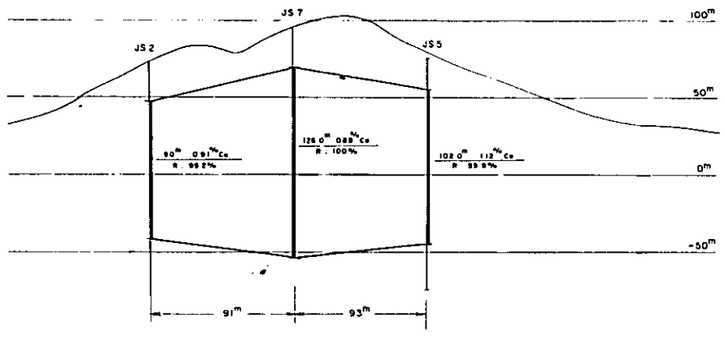


5 — 5



5(1) — 5(1)



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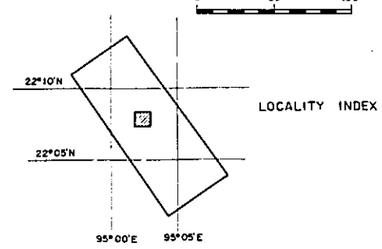
PL. I-12

GEOLOGICAL SURVEY OF
MONYWA AREA UNION OF BURMA
(PHASE II)

PLAN AND SECTION FOR THE ORE RESERVE ESTIMATION OF SABEDAUNG ORE DEPOSIT

Scale 1 : 2,000
0 50 100



LOCALITY INDEX

METAL MINING AGENCY
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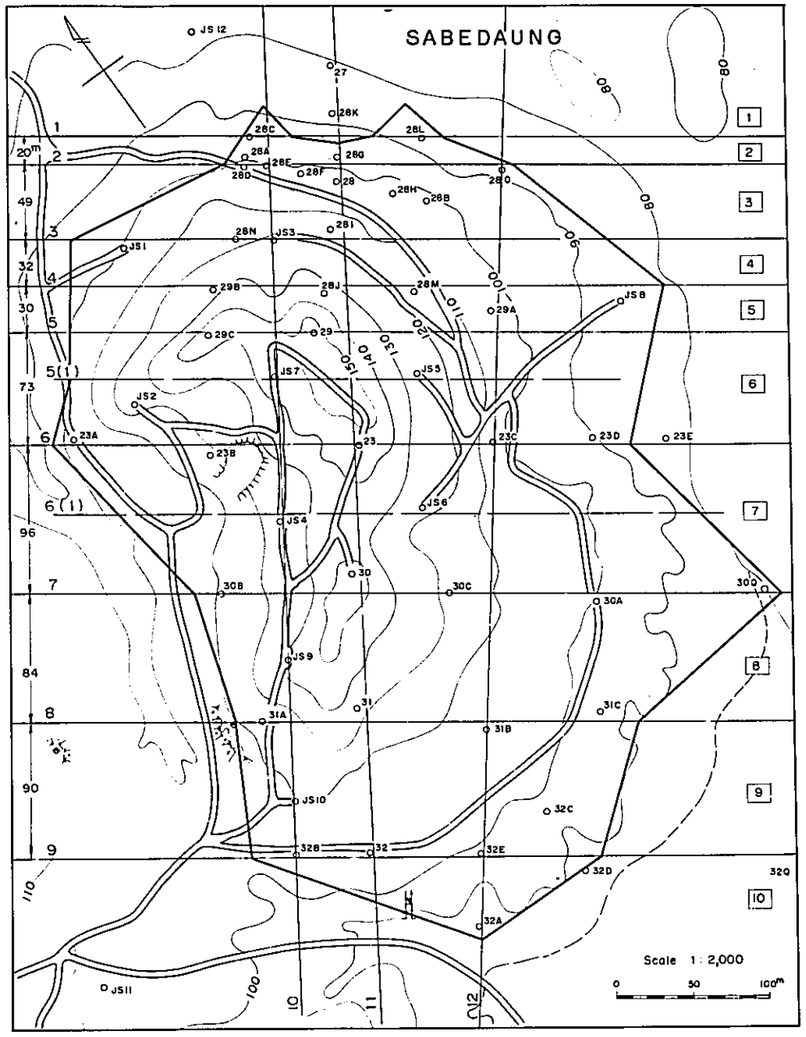
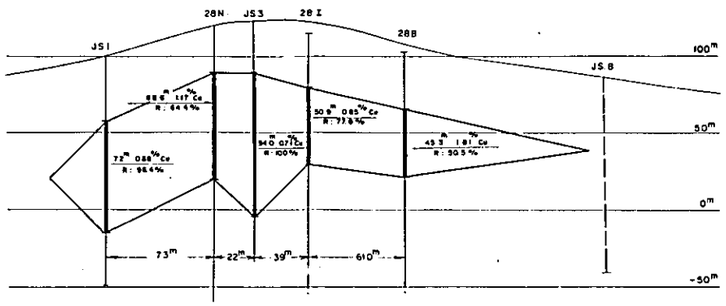


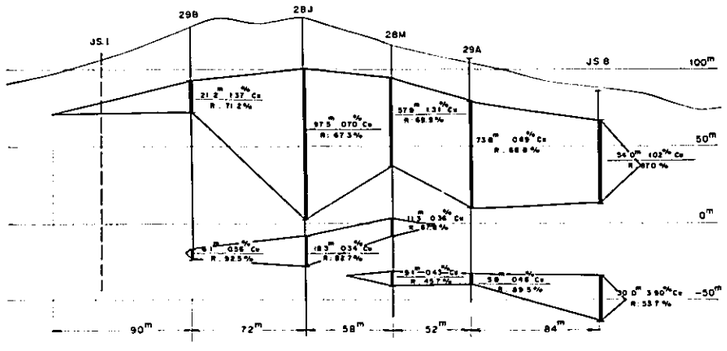
LEGEND

- 1 — Block number
- 3 — Section line number
- Area of the orebody on the section
- 92.7m 068%Cu / R: 98.5% — Length and grade of each drill hole (cut off 03% cu) / R : core recovery
- Drill hole on the section — 31B
- Drill hole projected — JS8

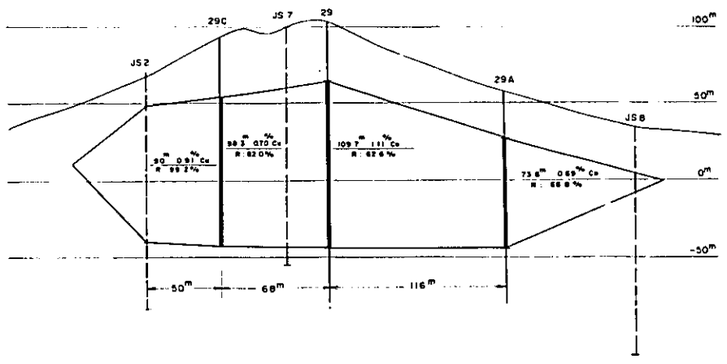
3 — 3



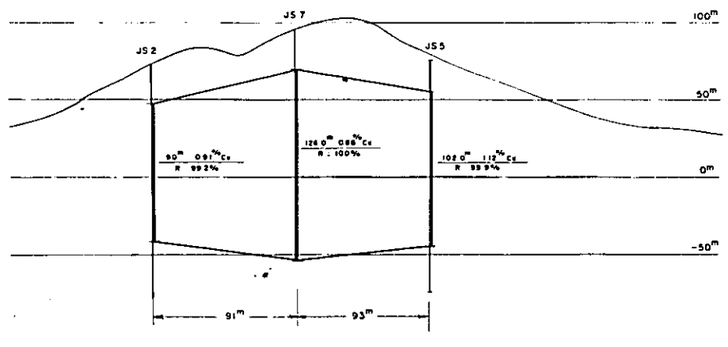
4 — 4



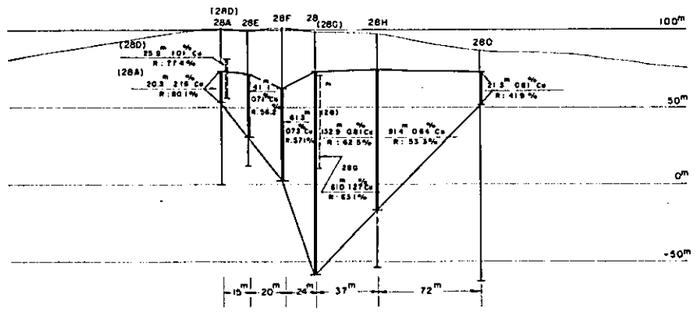
5 — 5



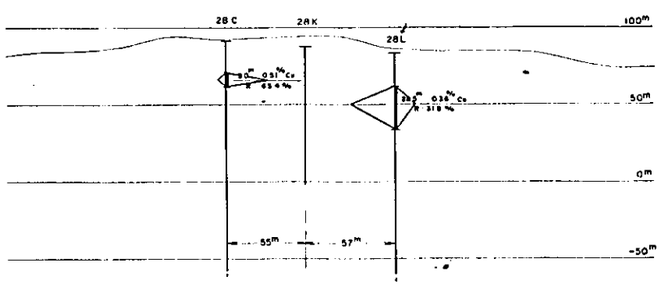
5(1) — 5(1)



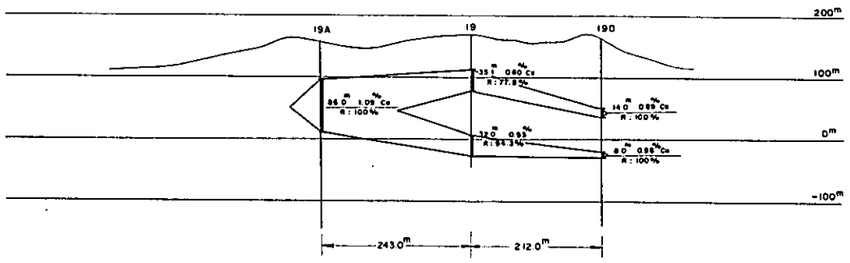
2 — 2



1 — 1



11 — 11



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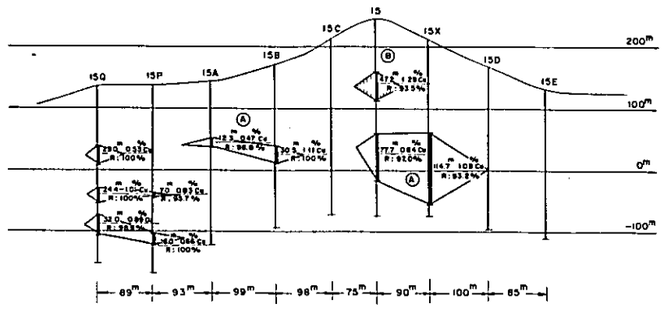

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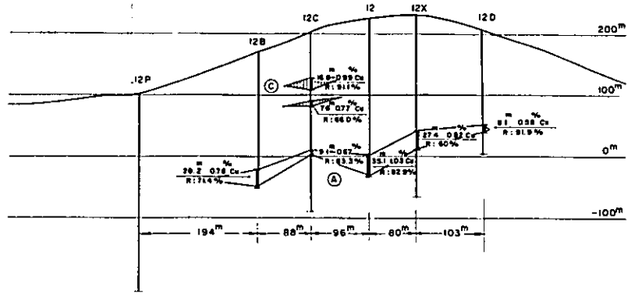

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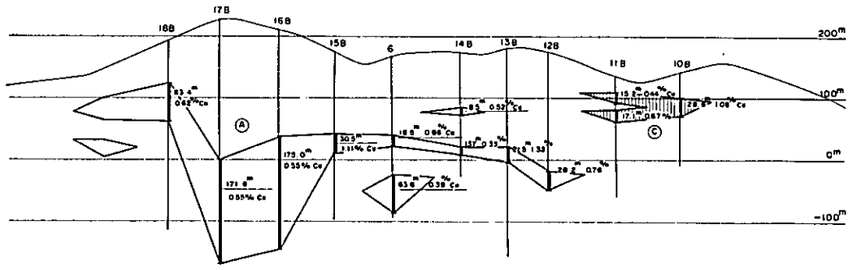

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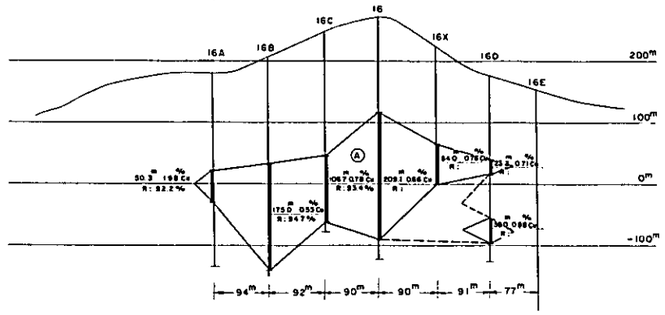

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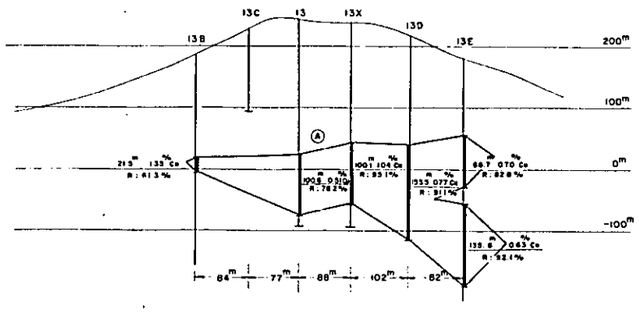

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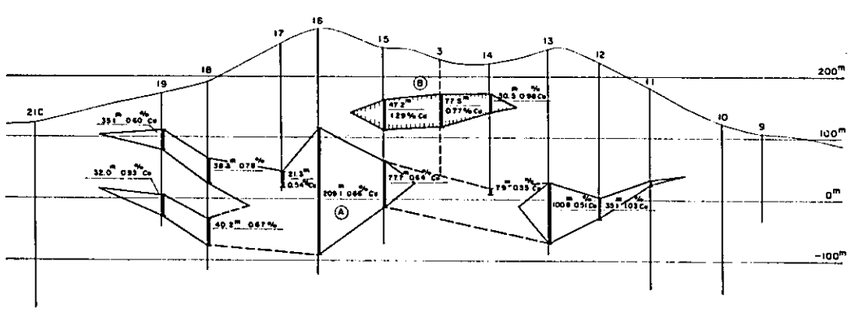
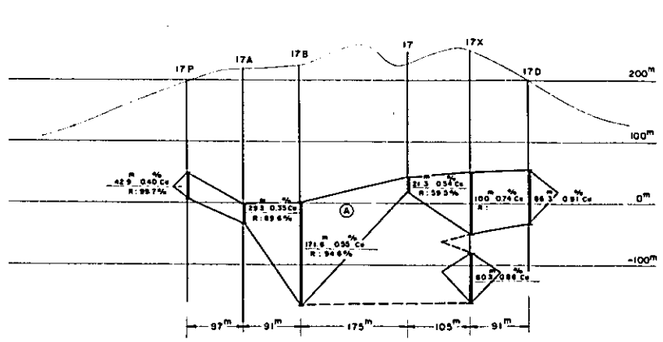


9 — 9



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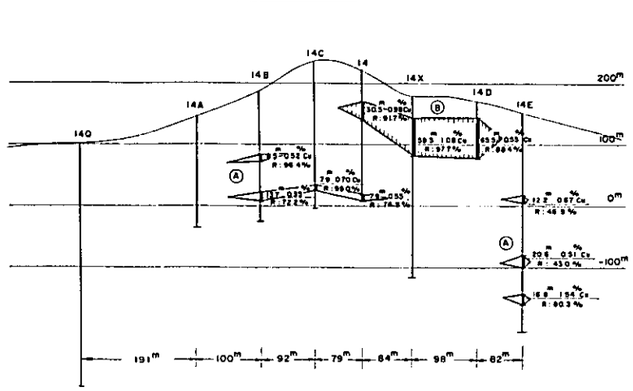

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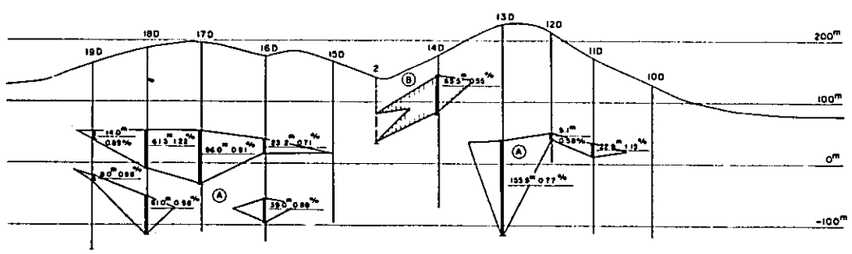

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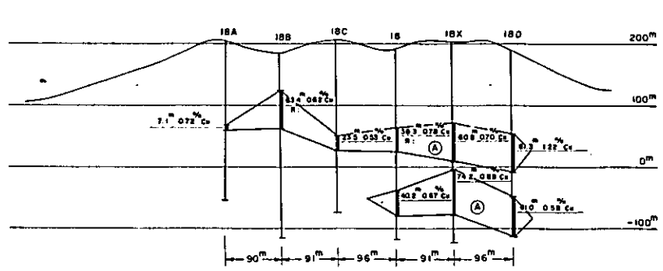
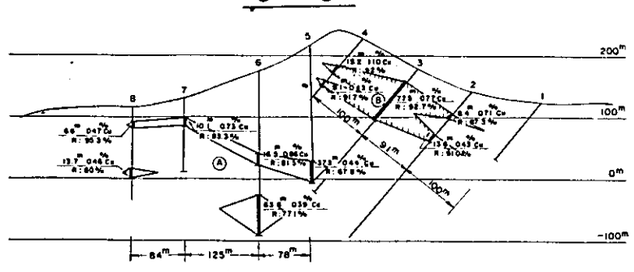


6 — 6



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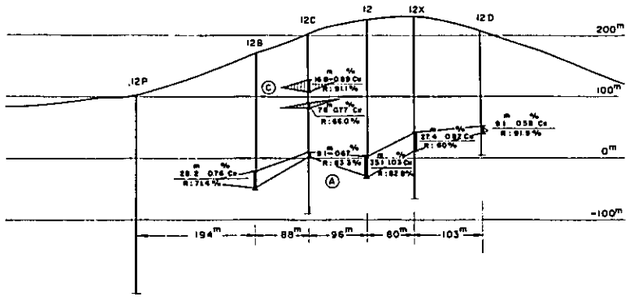
08816
図書資料室

3 — 3



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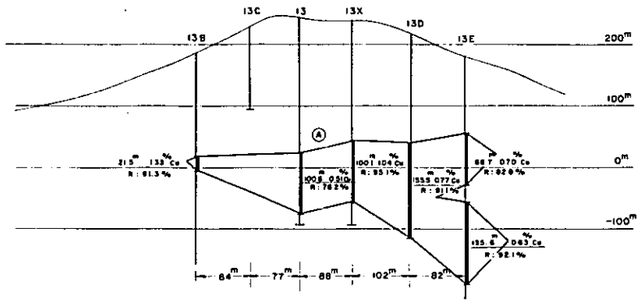

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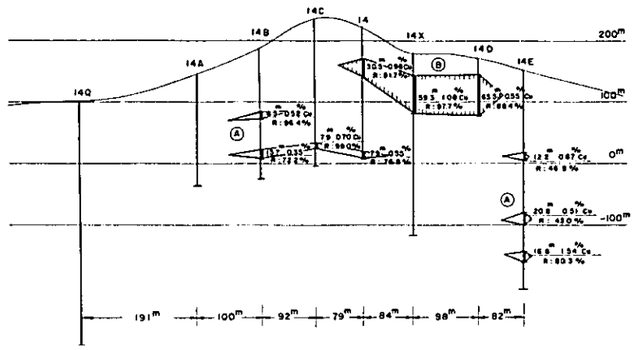

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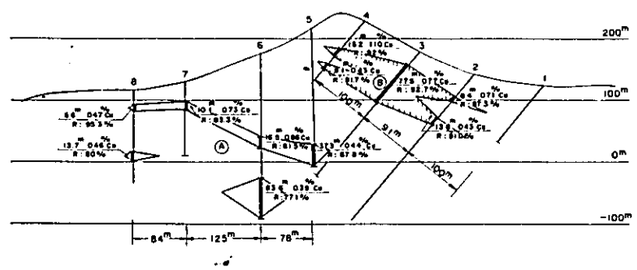
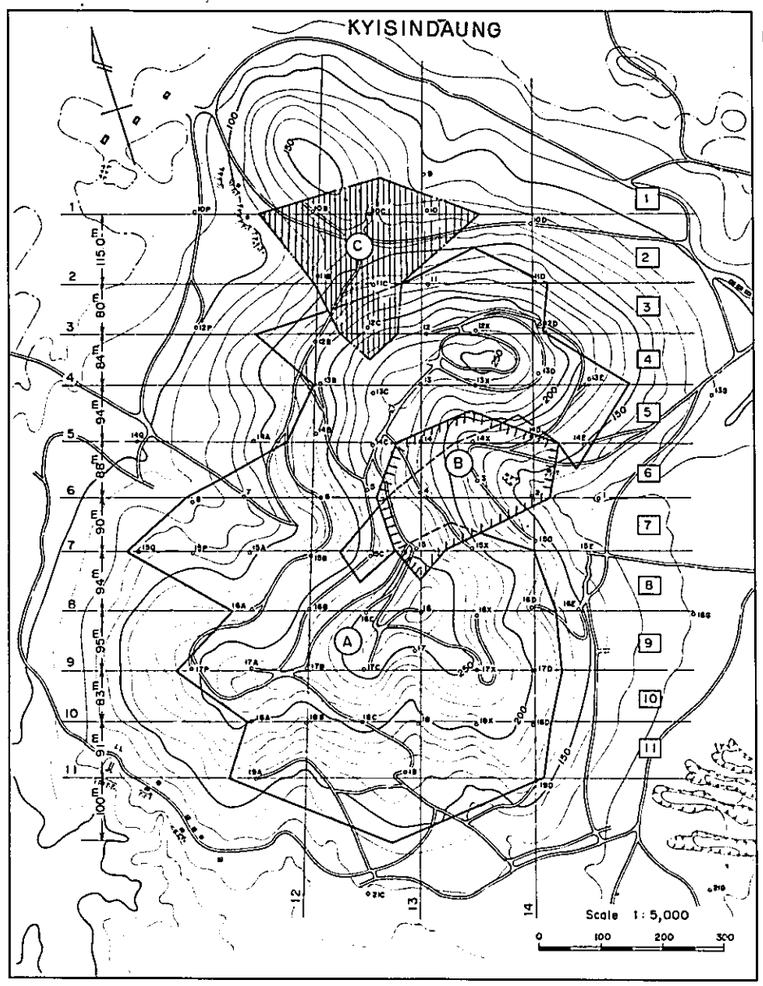
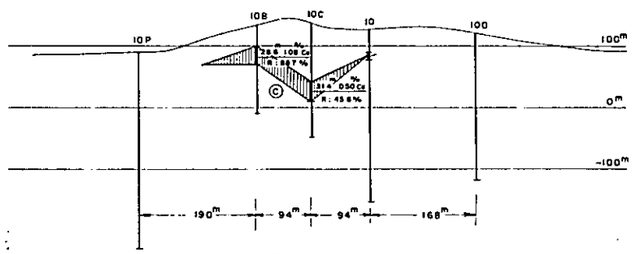




1 — 1



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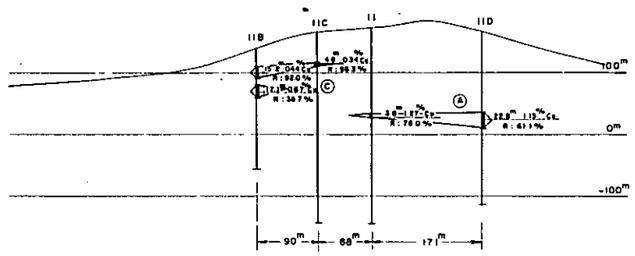
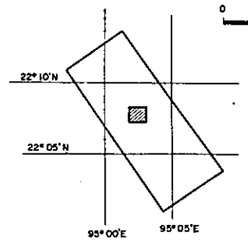


PL.I-13

GEOLOGICAL SURVEY OF
MONYWA AREA UNION OF BURMA
(PHASE II)

PLAN AND SECTION FOR THE ORE RESERVE ESTIMATION OF KYISINDAUNG ORE DEPOSIT

Scale 1:5,000
0 100 200 300m



LOCALITY INDEX

METAL MINING AGENCY
OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

SEPTEMBER 1974

Prepared by MITSUI KINZOKU ENGINEERING SERVICE CO, LTD.

LEGEND

- 2 — Block number
- 4 — Section line number
- Area of the orebody on the section
- 155.5m 077Cu R:91.1% — Length and grade of each drill hole (Cut off 03% cu) R : core recovery
- Mark for each ore body: Ⓐ Ⓑ Ⓒ
- Drill hole on the section: 13D
- Drill hole projected: 2