

App. 9 Summary of the Drilling Operation II - 2

【MJI-12】

Operation	Survey		Period		Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker
Preparation	13.08.87-18.08.87	6	6	-	36	90
Drilling	19.08.87-31.08.87	13	Drilling	-	78	159
			Recovering	-	-	-
Removing	01.09.87-03.09.87	3	5	-	18	30
Total	13.08.87-03.09.87	22	48	-	132	279
Drilling Length				Core recovery of 100 m hole		
Length planned	350.00m	Overburden	14.70m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length	1.00m	Core length	333.15m	0-100	98.5	98.5
Length drilled	351.00m	Core recovery	99.1%	100-200	98.2	98.3
				200-300	100.0	98.9
				300-351	100.0	99.1
Working hour		h	%	%	Efficiency of Drilling	
Drilling		210.45	71.2	54.9	m/survey period 351.00m/22days	
Other working		85.15	28.8	22.2	(m/day) (15.95m/day)	
Recovering		-	-	-	m/shift 351.00/48shift	
Sub total		296.00	100.0	77.1	(m/shift) (7.31m/shift)	
Reassemblage		18.00		4.7		
Dismantlement		26.00		6.8		
Water transportation		-		-		
Road construction and others		44.00		11.4		
Total		384.00		100.0		
Casing pipe inserted				Drilling length/bit		
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)	Bit size	HX	NQ
HX	2.00	0.6	100.0	Drilled length	(m)	(m)
NW	18.00	5.1	100.0	Core length	16.30	136.80
BW	153.10	43.6	100.0		0.40	134.85
						177.90

App. 9 Summary of the Drilling Operation II - 3

【MJI-13】

Operation	Survey		Period		Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker
Preparation	19.07.87-26.07.87	8	8	-	48	128
Drilling	27.07.87-08.08.87	13	Drilling	-	74	148
			Recovering	-	-	-
Removing	09.08.87-12.08.87	4	4	-	24	16
Total	19.07.87-12.08.87	25	49	-	146	292
Drilling Length			Core recovery of 100 m hole			
Length planned	350.00m	Overburden	29.35m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length	1.00m	Core length	333.60m	0-100	88.6	88.6
Length drilled	351.00m	Core recovery	97.5 %	100-200	100.0	95.3
				200-300	100.0	97.0
				300-351	100.0	97.5
Working hour		h	%	Efficiency of Drilling		
Drilling		234.00	79.1	59.7		
Other working		62.00	20.9	15.8	m/survey period	351.00m/25days
Recovering		-	-	-	(m/day)	(14.04m/day)
Sub total		296.00	100.0	75.5	m/shift	351.00/49shift
Reassemblage		48.00		12.2	(m/shift)	(7.16m/shift)
Dismantlement		32.00		8.2		
Water transportation		-		-	Drilling length/bit	
Road construction and others		16.00		4.1	Bit size	HX NQ BQ
Total		392.00		100.0	Drilled length	(m) (m) (m)
Casing pipe inserted					24.00	126.10
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)		Core length	0.00
HX	2.00	0.6	100.0			112.70
NW	31.00	8.8	100.0			200.90
BW	150.10	42.8	100.0			

App. 9 Summary of the Drilling Operation II - 4

[MJI-14]

Operation	Survey		Period		Total Man-day		
	Period	Day	Work shift	Off shift	Engineer	Worker	
Preparation	22.09.87-23.09.87	2	4	-	8	80	
Drilling	24.09.87-06.10.87	13	Drilling	-	52	234	
			Recovering	-	-	-	
Removing	07.10.87-08.10.87	2	4	-	8	86	
Total	22.09.87-08.10.87	17	47	-	68	400	
Drilling Length				Core recovery of 100 m hole			
Length planned	350.00m	Overburden	17.30m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or decrease in length	1.00m	Core length	286.80m	0-100	47.8	47.8	
Length drilled	351.00m	Core recovery	85.9 %	100-200	96.4	74.4	
				200-300	100.0	83.5	
				300-351	99.6	85.9	
Working hour		h	%	%	Efficiency of Drilling		
Drilling		232.00	74.4	61.7	m/survey period 351.00m/17days		
Other working		80.00	25.6	21.3	(m/day) (20.65m/day)		
Recovering		-	-	-	m/shift 351.00/47shift		
Sub total		312.00	100.0	83.0	(m/shift) (7.47m/shift)		
Reassemblage		17.00		4.5			
Dismantlement		19.00		5.1			
Water transportation		-		-			
Road construction and others		28.00		7.4			
Total		376.00		100.0			
Casing pipe inserted				Drilling length/bit			
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)	Bit size	HX	NQ	BQ
HX	2.00	0.6	100.0	Drilled length	(m)	(m)	(m)
NW	62.00	17.7	100.0	Core length	17.30	95.90	237.80
BW	113.20	32.3	100.0		0.00	51.20	235.60

App. 9 Summary of the Drilling Operation II - 5

【MJI-15】

Operation	Survey		Period		Total Man-day		
	Period	Day	Work shift	Off shift	Engineer	Worker	
Preparation	27.07.87-29.07.87	3	3	-	9	57	
Drilling	30.07.87-03.08.87	5	Drilling	-	12	36	
			Recovering	-	3	9	
Removing	04.08.87-05.08.87	2	2	-	6	36	
Total	27.07.87-05.08.87	10	20	-	30	138	
Drilling Length				Core recovery of 100 m hole			
Length planned	150.00m	Overburden	32.00m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or decrease in length	1.10m	Core length	104.50m	0-100	53.4	53.4	
Length drilled	151.10m	Core recovery	87.7 %	100-151.1	100.0	87.7	
Working hour		h	%	%	Efficiency of Drilling		
Drilling	88.00	73.3	55.0	m/survey period 151.10m/10days			
Other working	8.00	6.7	5.0	(m/day) (15.11m/day)			
Recovering	24.00	20.0	15.0	m/shift 151.10/20shift			
Sub total	120.00	100.0	75.0	(m/shift) (7.56m/shift)			
Reassemblage	14.00		8.8				
Dismantlement	16.00		10.0				
Water transportation	-		-	Drilling length/bit			
Road construction and others	10.00		6.2	Bit size	HX	NQ	BQ
Total	160.00		100.0	Drilled length	(m) 30.00	(m) 17.80	(m) 103.30
Casing pipe inserted				Core length	0.00	1.20	103.30
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)				
HX	1.00	0.6	100.0				
NW	30.00	8.8	100.0				
BW	47.80	31.6	100.0				

App. 9 Summary of the Drilling Operation II - 6

【MJI-16】

Operation	Survey		Period			Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker	
Preparation	12.07.87-21.09.87	10	10	-	30	110	
Drilling	22.07.87-25.07.87	4	Drilling	-	12	36	
			Recovering	-	-	-	
Removing	26.10.87	1	1	-	3	18	
Total	12.07.87-26.07.87	15	23	-	45	164	
Drilling Length				Core recovery of 100 m hole			
Length planned	150.00m	Overburden	16.40m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or decrease in length	1.00m	Core length	134.60m	0-100	82.6	82.6	
Length drilled	151.00m	Core recovery	99.3%	100-151	100.0	99.3	
Working hour				Efficiency of Drilling			
Drilling	77.40	h	80.9	%	42.2	%	
Other working	18.20		19.1		10.0		m/survey period 151.00m/15days
Recovering	-		-		-		(10.07m/day)
Sub total	96.00		100.0		52.2		m/shift 151.00/23shift
Reassemblage	24.00				13.0		(m/shift) (6.65m/shift)
Dismantlement	8.00				4.4		
Water transportation	-				-		
Road construction and others	56.00				30.4		
Total	184.00				100.0		
Casing pipe inserted				Drilling length/bit			
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)	Bit size	HX	NQ	BQ
HX	1.00	0.7	100.0	Drilled length	(m) 16.40	(m) 10.60	(m) 124.00
NW	16.40	10.9	100.0	Core length	0.60	9.20	123.80
BW	27.00	17.9	100.0				

App. 9 Summary of the Drilling Operation II - 7

【MJI-17】

Operation	Survey		Period		Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker
Preparation	06.08.87-10.08.87	5	5	-	15	109
Drilling	11.08.87-15.08.87	5	Drilling	-	15	45
			Recovering	-	-	-
Removing	16.08.87-17.08.87	2	2	-	6	32
Total	06.08.87-17.08.87	12	20	-	36	186

Drilling Length				Core recovery of 100 m hole		
Length planned	150.00m	Overburden	10.00m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length	1.00m	Core length	141.00m			
Length drilled	151.00m	Core recovery	100.0%	0-100	100.0	100.0
				100-151	100.0	100.0

Working hour				Efficiency of Drilling			
Drilling	93.00	h	89.4	%	58.1		
Other working	11.00		10.6		6.9	m/survey period 151.00m/12days	
Recovering	-		-		-	(12.58m/day)	
Sub total	104.00		100.0		65.0	m/shift 151.00/20shift	
Reassemblage	16.00				10.0	(7.55m/shift)	
Dismantlement	16.00				10.0		
Water transportation	-				-		
Road construction and others	24.00				15.0		
Total	160.00				100.0		

Casing pipe inserted				Drilling length/bit			
Size	Meterage (m)	Meterage drilling x 100 (%)	Recovery (%)	Bit size	HX (m)	NQ (m)	BQ (m)
HX	1.00	0.7	100.0	Drilled length	10.00	29.00	112.00
NW	10.00	6.6	100.0	Core length	0.00	29.00	112.00
BW	39.00	25.8	100.0				

App. 9 Summary of the Drilling Operation II - 8

[MJI-18]

Operation	Survey		Period		Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker
Preparation	29.08.87-30.08.87	2	5	-	5	54
Drilling	31.08.87-03.09.87	4	Drilling	-	12	30
			Recovering	-	-	-
Removing	04.09.87-05.09.87	2	2	-	6	39
Total	29.08.87-05.09.87	8	17	-	23	123
Drilling Length			Core recovery of 100 m hole			
Length planned	150.00m	Overburden	22.60m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length	3.70m	Core length	75.80m	0-100	37.9	37.9
				100-153.7	86.6	57.8
Length drilled	153.70m	Core recovery	57.8%			
Working hour		h	%	%	Efficiency of Drilling	
Drilling		63.00	78.8	46.3	m/survey period 153.70m/15days	
Other working		17.00	21.2	12.5	(m/day) (10.25m/day)	
Recovering		-	-	-	m/shift 153.70/23shift	
Sub total		80.00	100.0	58.8	(m/shift) (6.68m/shift)	
Reassemblage		26.00		19.1		
Dismantlement		22.00		16.2		
Water transportation		-		-	Drilling length/bit	
Road construction and others		8.00		5.9	Bit size	HX NQ BQ
Total		136.00		100.0	Drilled length	(m) (m) (m)
					22.60	30.20 100.90
					Core length	0.20 9.70 65.90
Casing pipe inserted		Meterage drilling x 100 length		Recovery		
Size	Meterage (m)	length (%)		length (%)		
HX	1.00	0.7		100.0		
NW	22.60	14.7		100.0		
BW	52.80	34.4		100.0		

App. 9 Summary of the Drilling Operation II - 9

【MJ1-19】

Operation	Survey		Period		Total Man-day		
	Period	Day	Work shift	Off shift	Engineer	Worker	
Preparation	18.08.8-21.08.87	4	4	-	12	72	
Drilling	22.08.87-26.08.87	5	Drilling	-	15	39	
			Recovering	-	-	-	
Removing	27.08.87-28.08.87	2	2	-	6	34	
Total	18.08.87-28.08.87	11	19	-	33	145	
Drilling Length			Core recovery of 100 m hole				
Length planned	150.00m	Overburden	25.10m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or decrease in length	1.00m	Core length	118.30m	0-100	89.9	89.9	
				100-151	100.0	94.0	
Length drilled	151.00m	Core recovery	94.0%				
Working hour			Efficiency of Drilling				
		h	%	%			
Drilling		84.00	80.8	55.3			
Other working		20.00	19.2	13.1	m/survey period 151.00m/11days		
Recovering		-	-	-	(13.73m/day)		
Sub total		104.00	100.0	68.4	m/shift 151.00/19shift		
Reassemblage		16.00		10.5	(7.95m/shift)		
Dismantlement		24.00		15.8			
Water transportation		-		-			
Road construction and others		8.00		5.3			
Total		152.00		100.0			
Casing pipe inserted			Drilling length/bit				
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)	Bit size	HX	NQ	BQ
HX	1.00	0.7	100.0	Drilled length	(m)	(m)	(m)
NW	26.20	17.4	100.0	Core length	25.10	14.80	111.10
BW	39.90	26.4	100.0		0.00	7.20	111.10

App. 9 Summary of the Drilling Operation II-10

[MJI-20]

Operation	Survey		Period		Total Man-day		
	Period	Day	Work shift	Off shift	Engineer	Worker	
Preparation	05.09.87-07.09.87	3	5	-	9	70	
Drilling	08.09.87-12.09.87	5	Drilling	-	15	36	
			Recovering	-	-	-	
Removing	13.09.87-16.09.87	4	2	2	12	56	
Total	05.09.87-16.09.87	12	19	2	36	162	
Drilling Length				Core recovery of 100 m hole			
Length planned	150.00m	Overburden	20.50m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or decrease in length	1.00m	Core length	124.00m	0-100	73.0	73.0	
				100-151	100.0	95.0	
Length drilled	151.00m	Core recovery	95.0%				
Working hour		h	%	Efficiency of Drilling			
Drilling		73.00	76.0	m/survey period 151.00m/12days			
Other working		23.00	24.0	(12.58m/day)			
Recovering		-	-	m/day			
Sub total		96.00	100.0	m/shift 151.00/21shift			
Reassemblage		32.00	19.0	(7.19m/shift)			
Dismantlement		16.00	9.5				
Water transportation		-	-				
Road construction and others		24.00	14.3	Drilling length/bit			
Total		168.00	100.0	Bit size	HX	NQ	BQ
Casing pipe inserted				Drilled length	(m)	(m)	(m)
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)	Core length	1.20	13.70	109.10
HX	1.00	0.7	100.0				
NW	25.40	16.8	100.0				
BW	41.90	27.7	100.0				

App. 9 Summary of the Drilling Operation II - 11

【MJ1-21】

Operation	Survey		Period		Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker
Preparation	25.10.87-26.10.87	2	2	-	6	74
Drilling	27.10.87-03.11.87	8	Drilling	-	24	120
			Recovering	-	-	-
Removing	04.11.87-05.11.87	2	4	-	6	74
Total	25.10.87-05.11.87	12	30	-	36	268
Drilling Length		Core recovery of 100 m hole				
Length planned	280.00m	Overburden	36.10m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length	1.00m	Core length	237.35m	0-100	88.8	88.8
				100-200	100.0	95.4
Length drilled	281.00m	Core recovery	96.9%	200-281	100.0	96.9
Working hour		h	%	Efficiency of Drilling		
Drilling		141.00	73.4	m/survey period 281.00m/12days		
Other working		51.00	26.6	(23.42m/day)		
Recovering		-	-	m/shift 281.00/30shift		
Sub total		192.00	100.0	(9.37m/shift)		
Reassemblage		16.00	6.7			
Dismantlement		16.00	6.7			
Water transportation		-	-	Drilling length/bit		
Road construction and others		16.00	6.7	Bit size	HX	NQ
Total		240.00	100.0	Drilled length	(m)	(m)
Casing pipe inserted		Recovery		length	36.10	84.00
Size	Meterage (m)	Meterage drilling x 100 length (%)	(%)	Core length	0.00	76.45
HX	3.00	1.1	100.0			160.90
NW	36.10	12.8	100.0			
BW	120.10	42.7	100.0			

App. 9 Summary of the Drilling Operation II-12

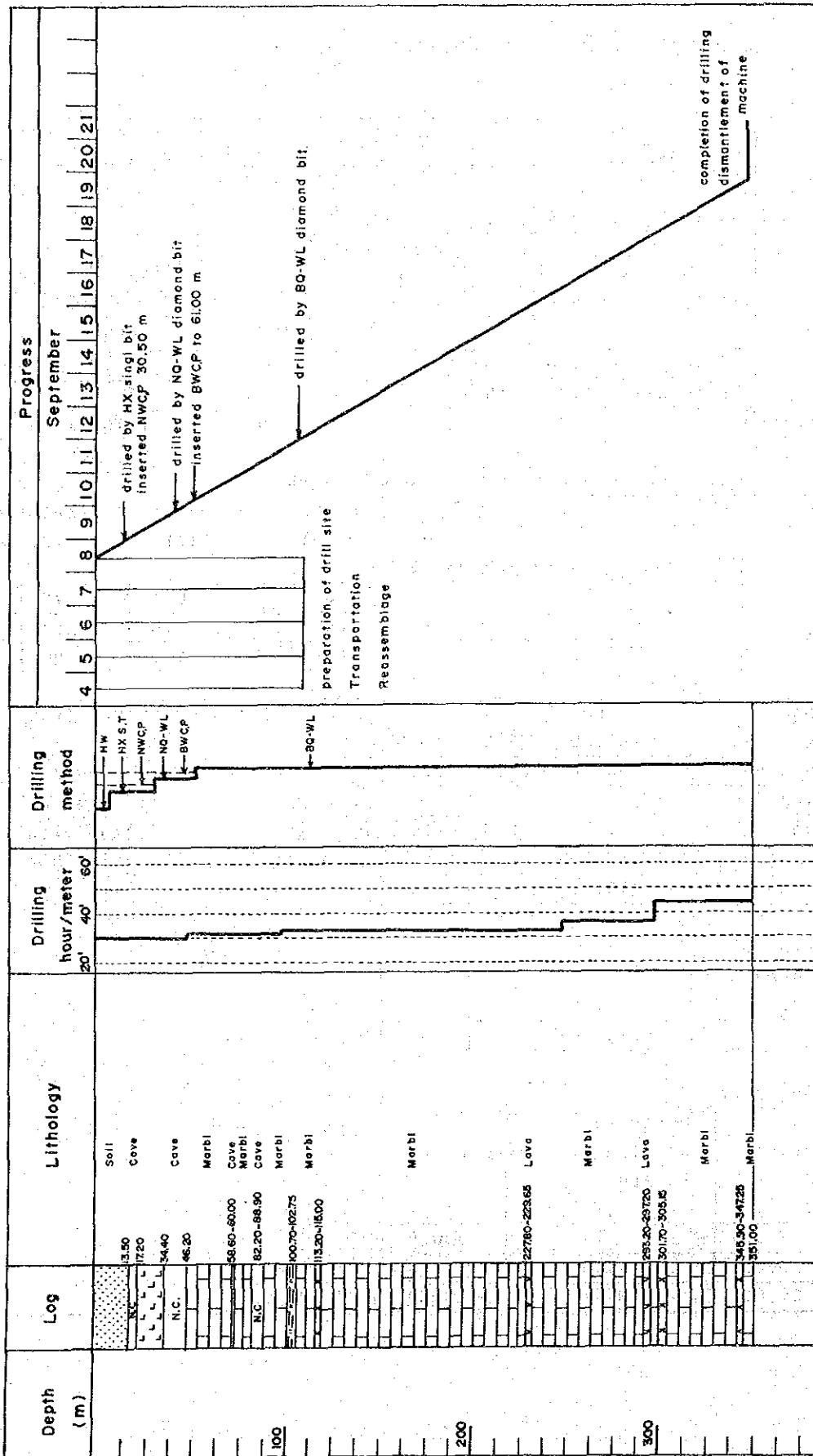
【MJI-22】

Operation	Survey		Period		Total Man-day		
	Period	Day	Work shift	Off shift	Engineer	Worker	
Preparation	06.11.87-08.11.87	3	4	-	9	75	
Drilling	09.11.87-18.11.87	10	Drilling	-	30	90	
			Recovering	-	-	-	
Removing	19.11.87-20.11.87	2	4	-	6	43	
Total	06.11.87-20.11.87	15	36	-	45	208	
Drilling Length				Core recovery of 100 m hole			
Length planned	270.00m	Overburden	43.00m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or decrease in length	30.00m	Core length	242.55m	0-100	74.6	74.6	
Length drilled	300.00m	Core recovery	94.4 %	100-200	100.0	90.8	
				200-300	100.0	94.4	
Working hour				Efficiency of Drilling			
	h	%	%				
Drilling	159.00	71.0	55.2				
Other working	65.00	29.0	22.6	m/survey period 300.00m/15days			
Recovering	-	-	-	(m/day) (20.00m/day)			
Sub total	224.00	100.0	77.8	m/shift 300.00/36shift			
Reassemblage	24.00		8.3	(m/shift) (8.33m/shift)			
Dismantlement	16.00		5.6				
Water transportation	-		-				
Road construction and others	24.00		8.3				
Total	288.00		100.0				
Casing pipe inserted				Drilling length/bit			
Size	Meterage (m)	Meterage drilling x 100 length (%)	Recovery (%)	Bit size	HX	NQ	BQ
HX	2.50	0.8	100.0	Drilled length	(m)	(m)	(m)
NW	43.00	14.3	100.0	Core length	43.00	38.00	219.00
BW	81.00	27.0	100.0		0.00	23.55	219.00

App. 9 Summary of the Drilling Operation II - 13

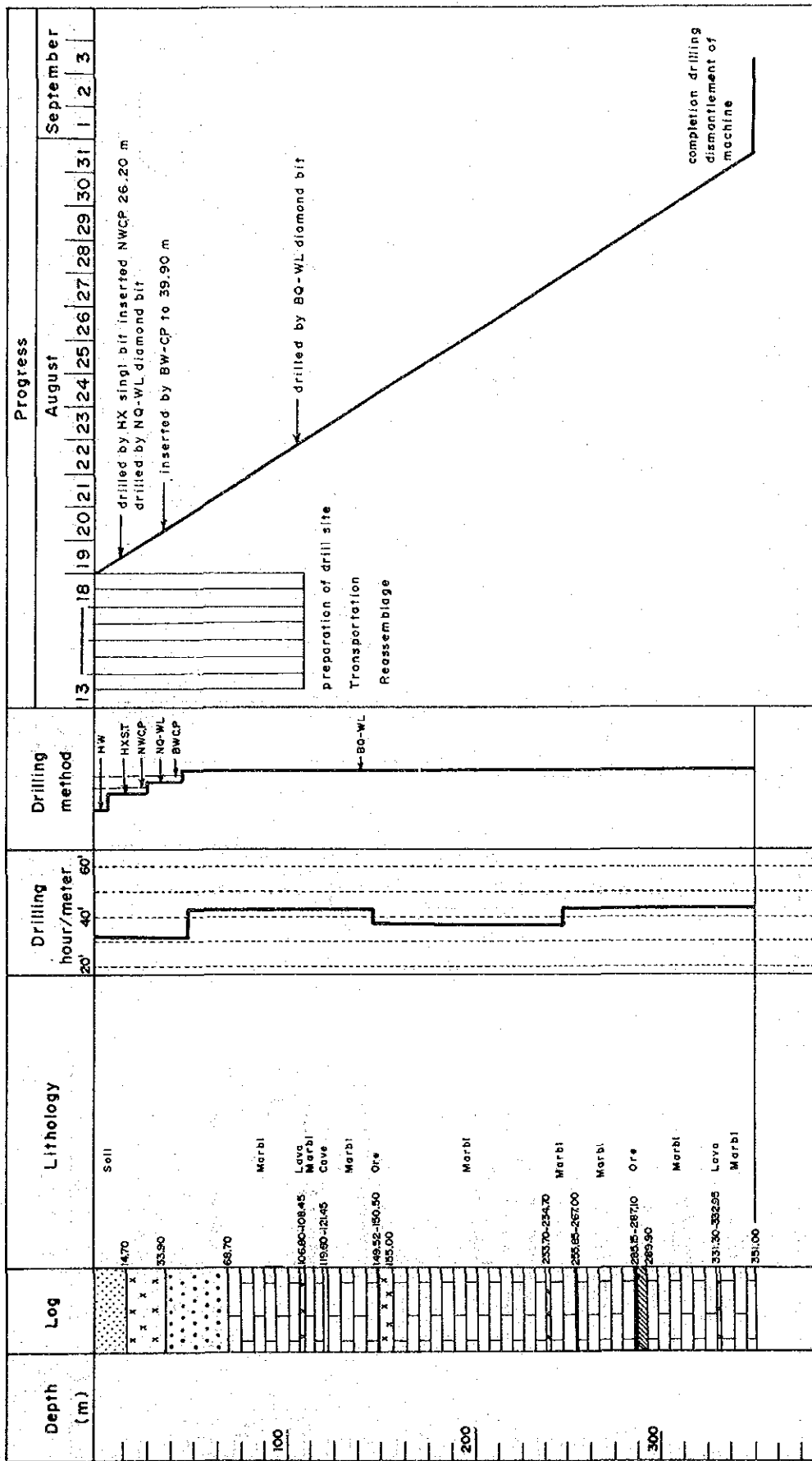
【MJI-23】

Operation	Survey		Period		Total Man-day	
	Period	Day	Work shift	Off shift	Engineer	Worker
Preparation	09.10.87-10.10.87	2	4	-	6	74
Drilling	11.10.87-21.10.87	8	Drilling	-	30	120
			Recovering	-	-	-
Removing	22.10.87-24.10.87	3	3	-	9	57
Total	25.10.87-05.11.87	16	37	-	45	251
Drilling Length			Core recovery of 100 m hole			
Length planned	270.00m	Overburden	15.40m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length	6.30m	Core length	235.20m	0-100	70.1	70.1
Length drilled	276.30m	Core recovery	90.1 %	100-200	99.6	86.1
Working hour			Efficiency of Drilling			
Drilling	181.30	h	73.2	%	m/survey period 276.30m/16days (17.27m/day)	
Other working	66.30		26.8		m/shift 276.30/37shift (7.46m/shift)	
Recovering	-		-			
Sub total	248.00		100.0	83.8		
Reassemblage	20.00			6.7		
Dismantlement	16.00			5.4		
Water transportation	-			-		
Road construction and others	12.00			4.1	Drilling length/bit	
Total	296.00			100.0	Bit size	HX NQ BQ
Casing pipe inserted			Drilled length 15.40 60.50 200.40			
Size	Meterage (m)	Meterage drilling x 100 length (%)	Core length 0.00 38.55 196.65			
HX	3.00	1.1	Recovery (%)			
NW	33.00	11.9	100.0			
BW	86.00	31.1	100.0			



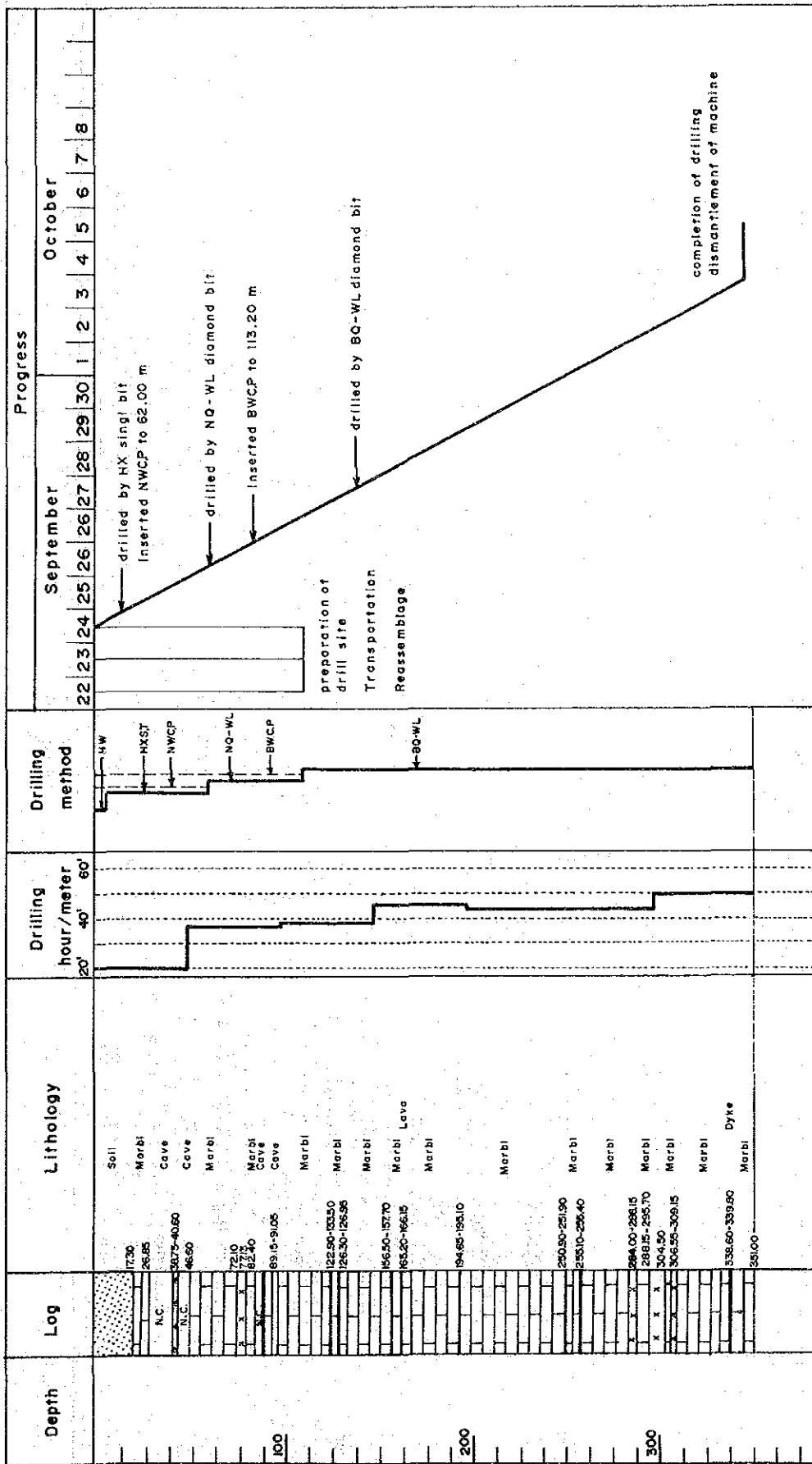
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A.P.10 Drilling Progress MJ I - I I



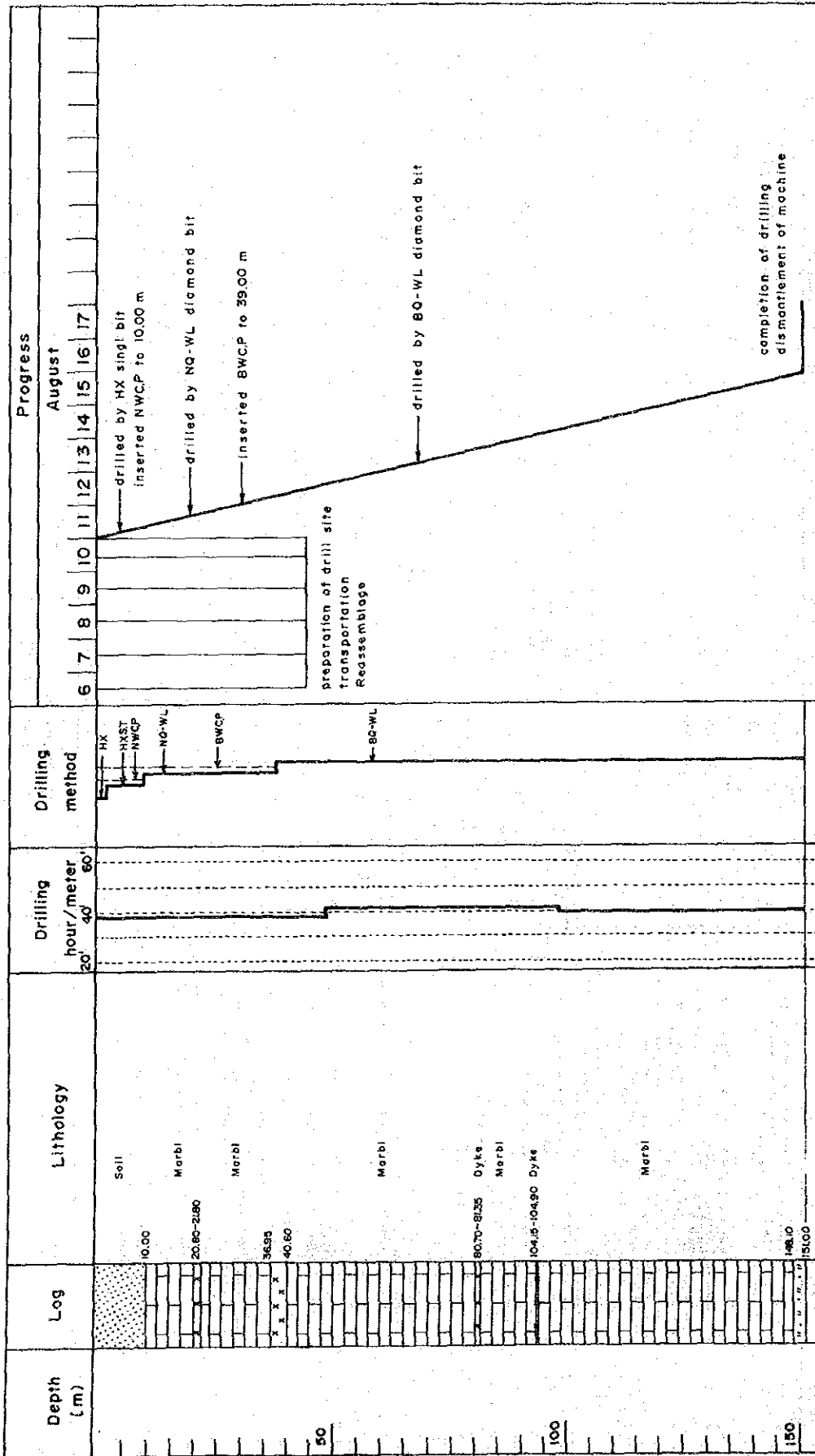
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A.P.10 Drilling Progress MJI - 12



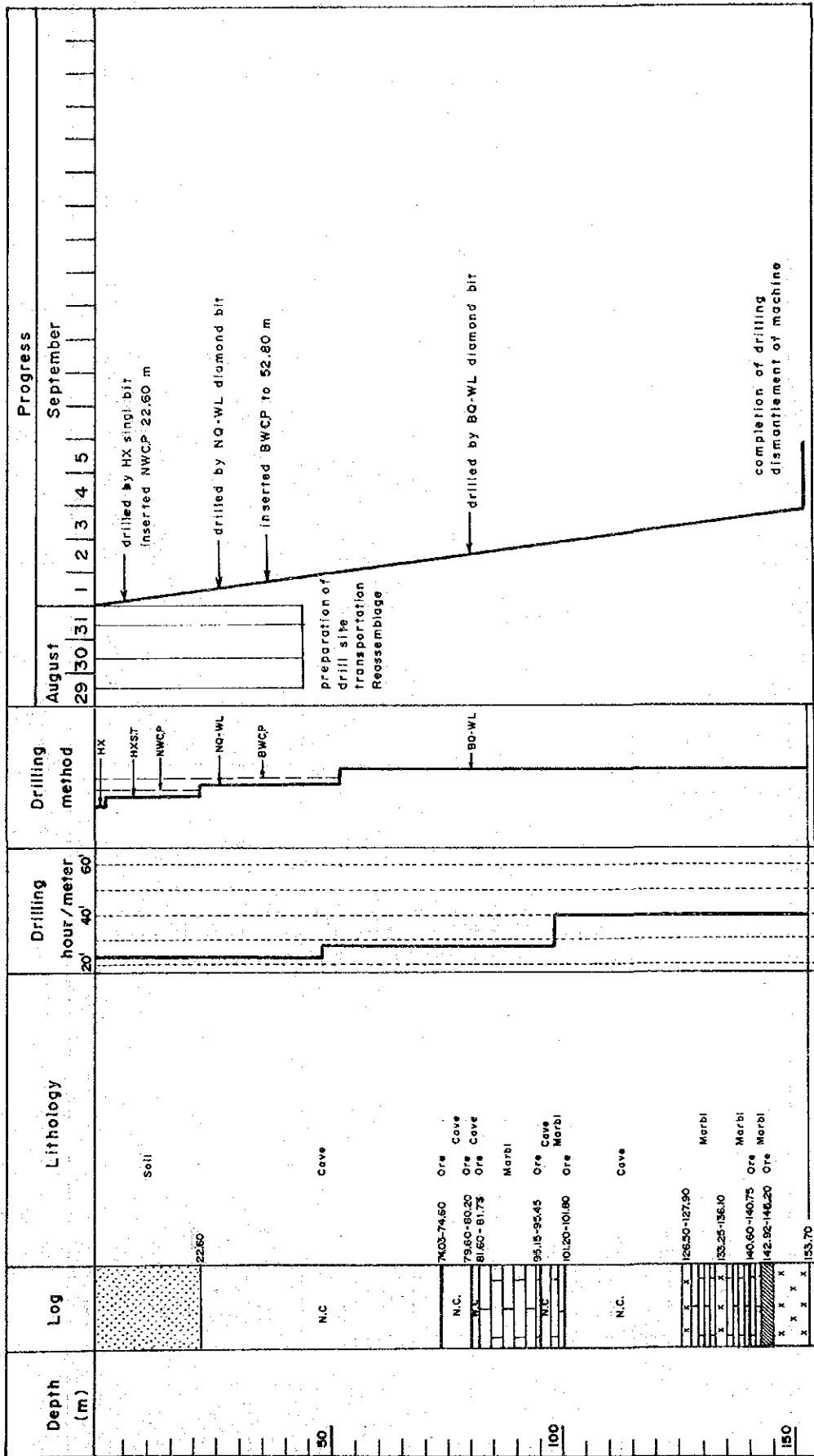
(MJ I - 14)

A.P.10 Drilling Progress MJ I - 14



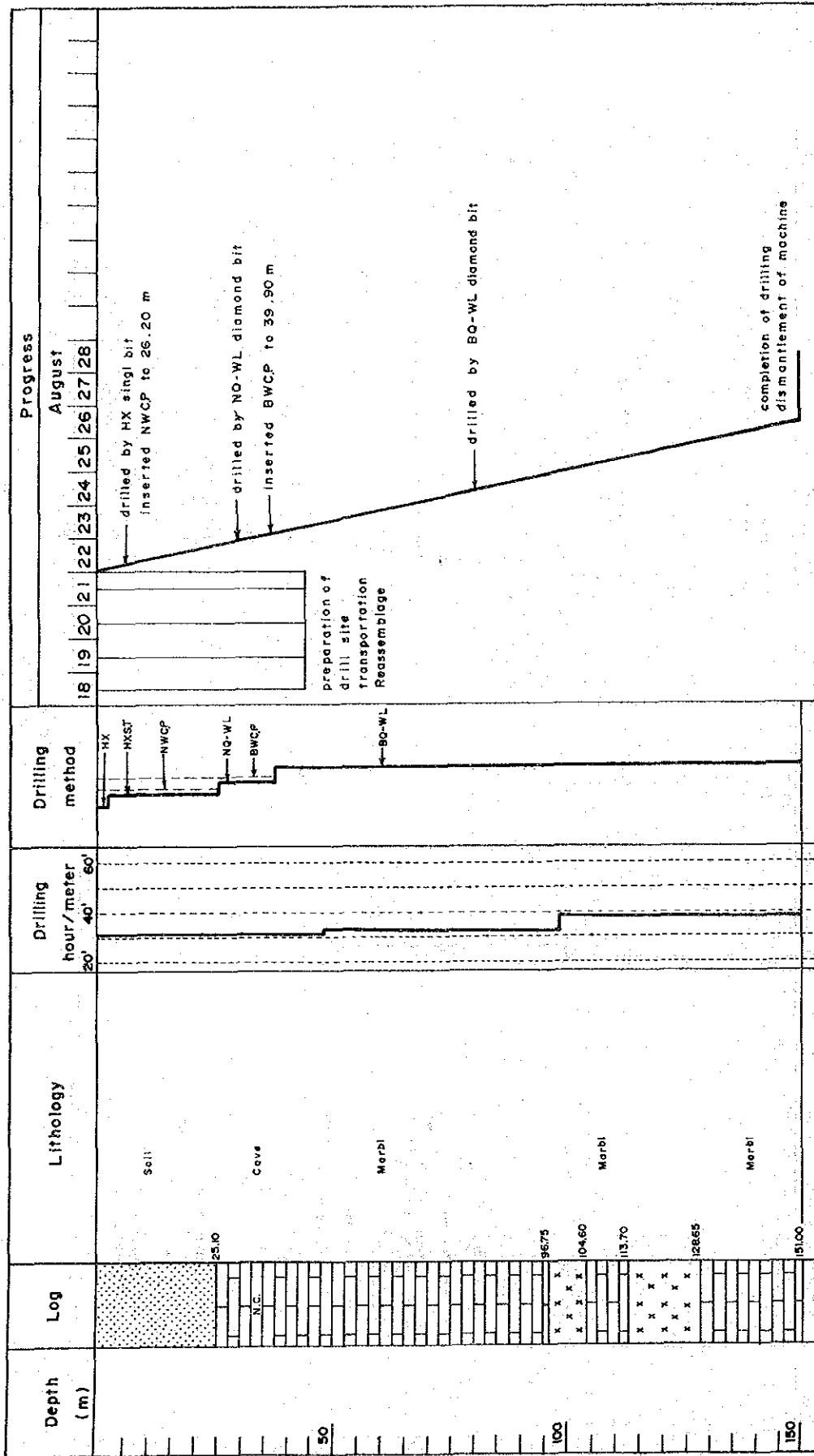
(MJ1-17)

AP.10 Drilling Progress MJ1-17



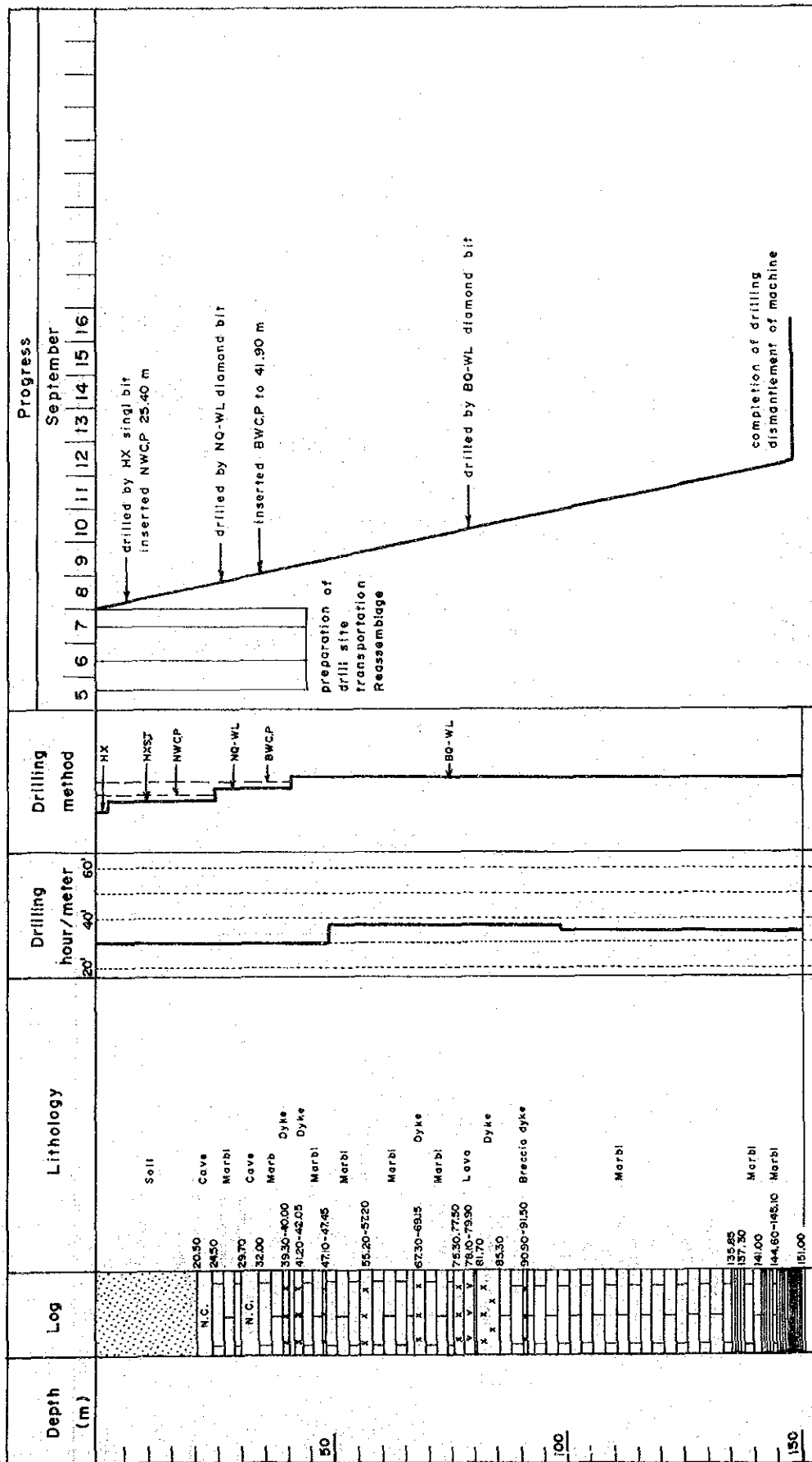
(MJ1-18)

AP.10 Drilling Progress MJ1-18



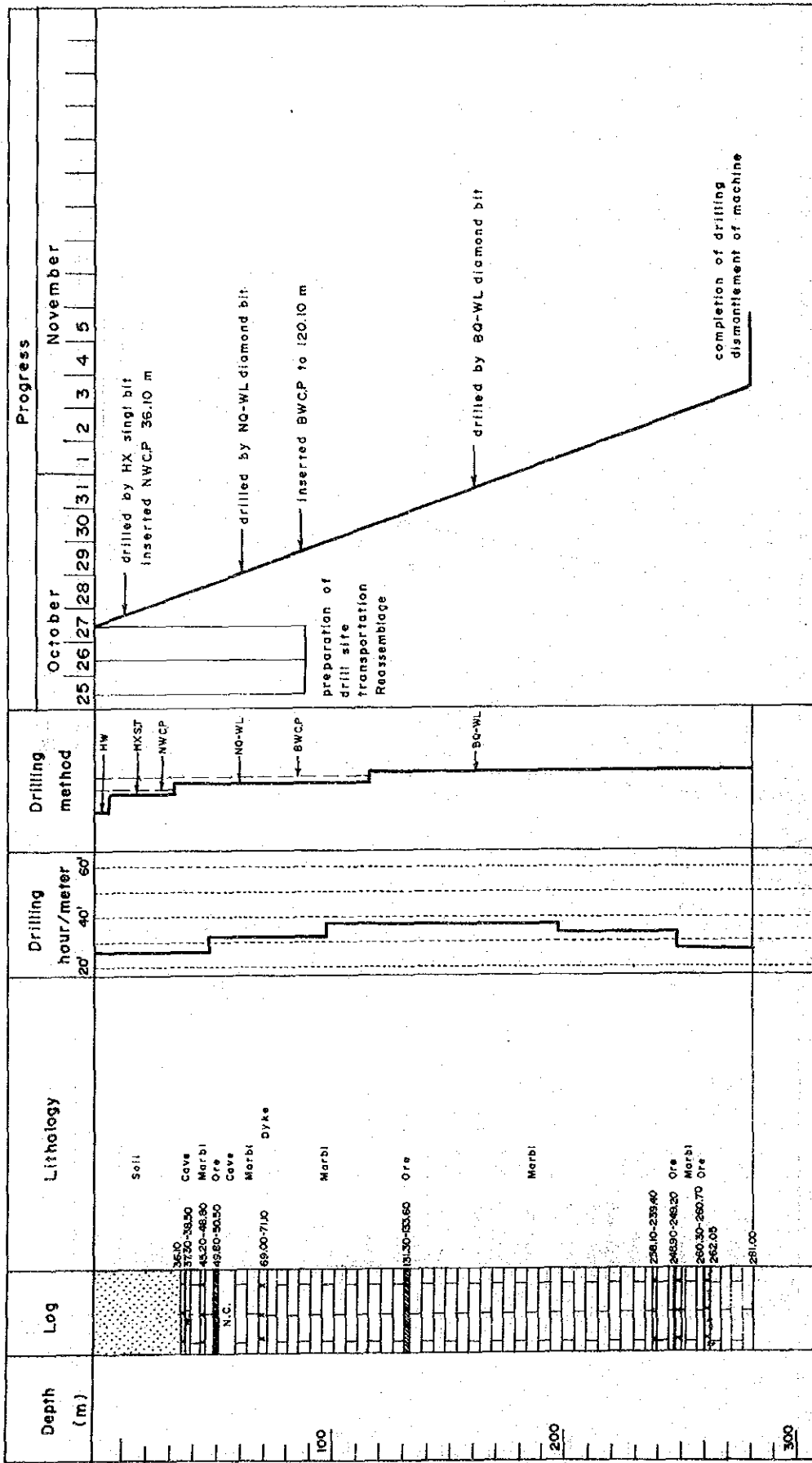
(MJ1-19)

AP.10 Drilling Progress MJ1-19



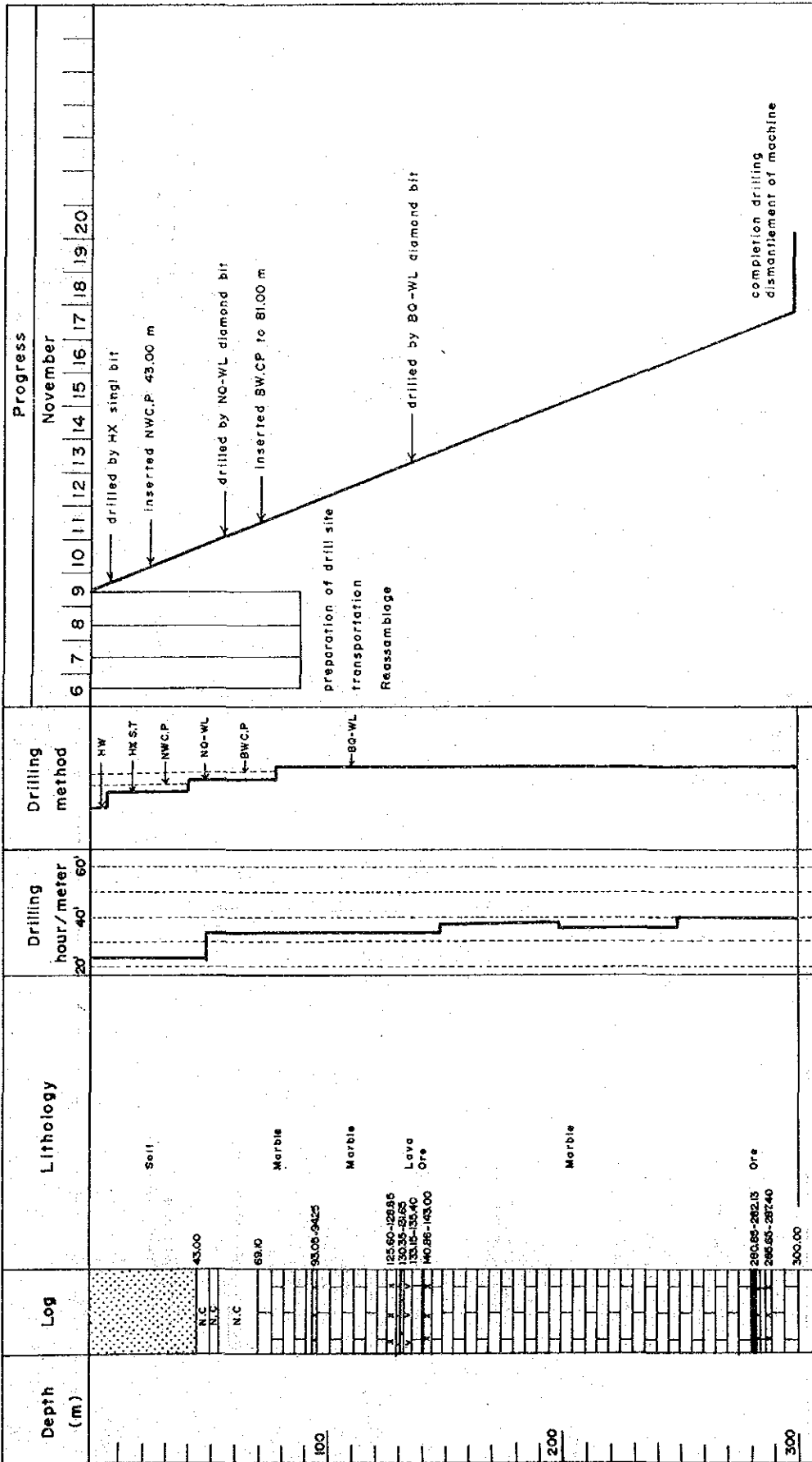
(MJ1-20)

A.P.10 Drilling Progress MJ1-20



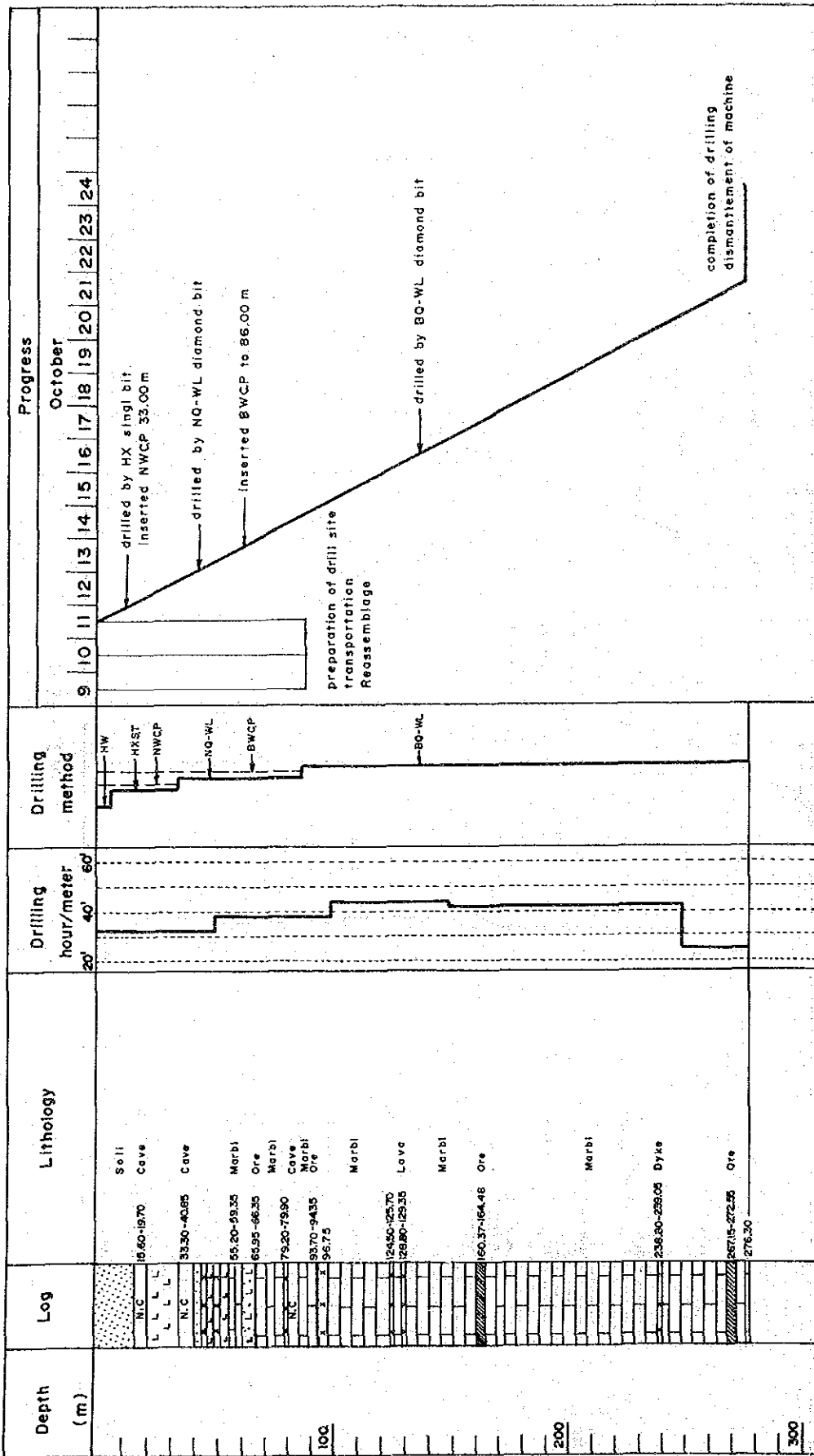
(MJ1-21)

A.P.10 Drilling Progress MJ1-21



(MJ1-22)

A.P.10 Drilling Progress MJ1-22



(MJI-23)

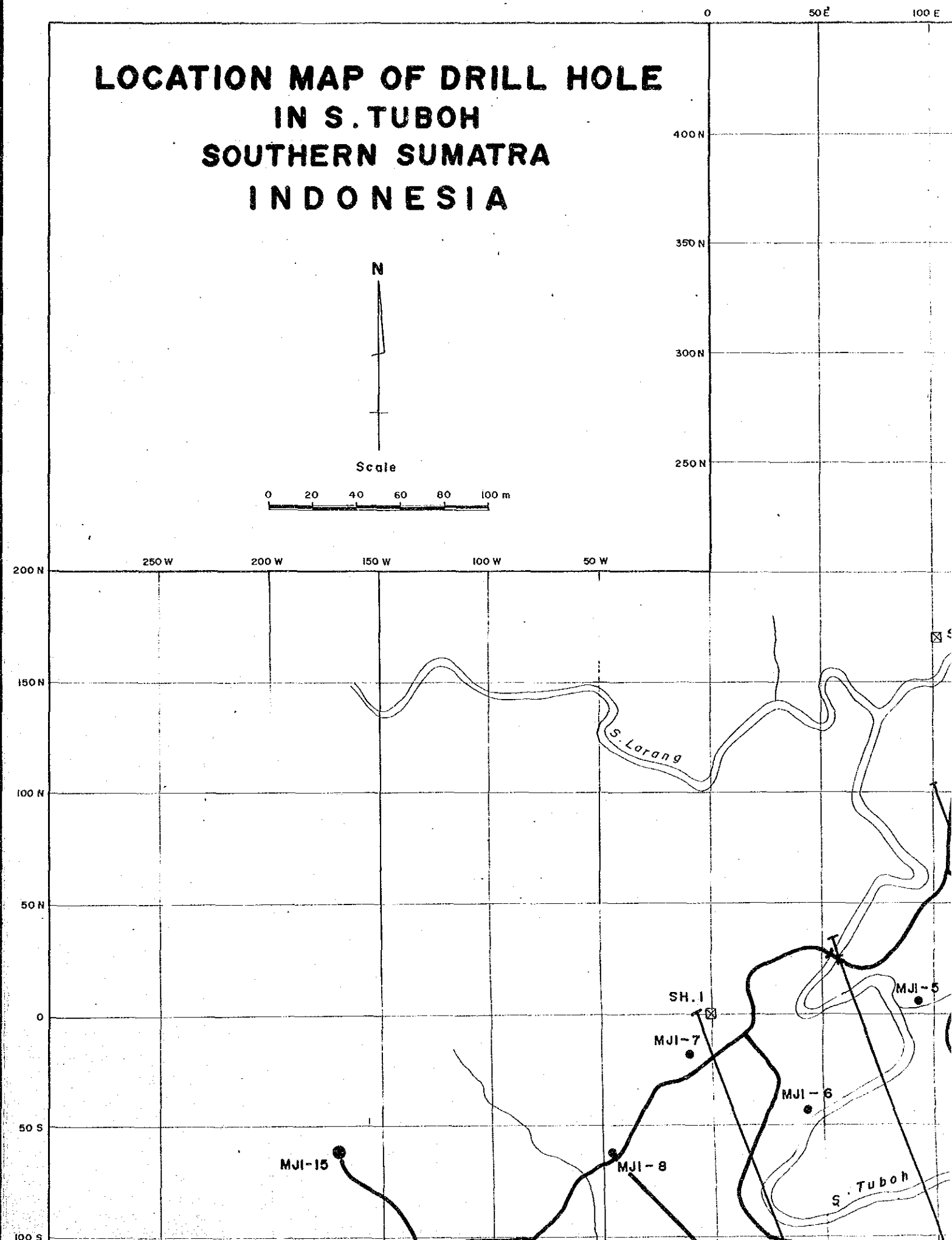
A.P.10 Drilling Progress MJI-23

LOCATION MAP OF DRILL HOLE IN S. TUBOH SOUTHERN SUMATRA INDONESIA

N

Scale

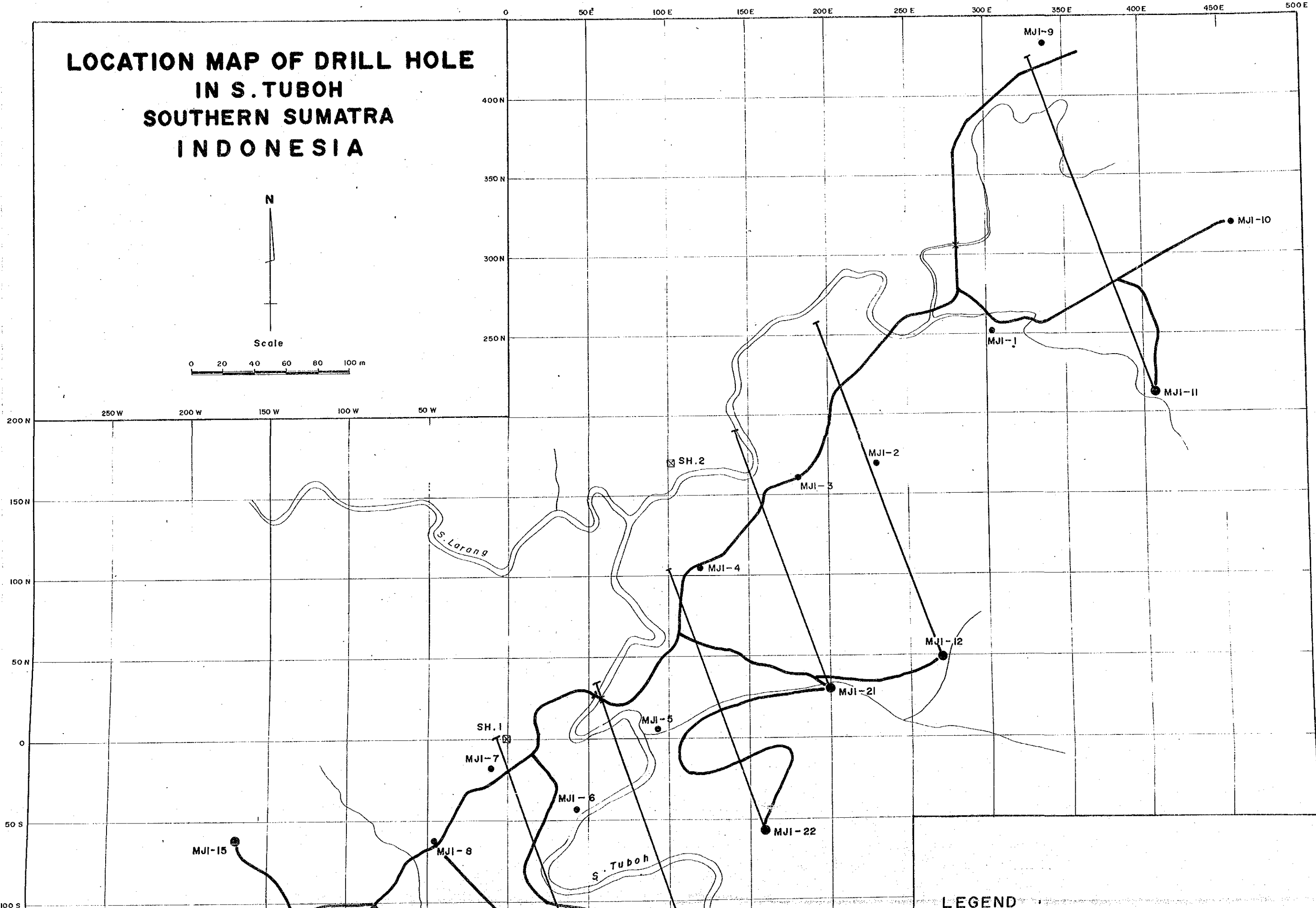
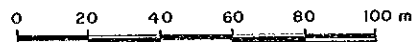
0 20 40 60 80 100 m



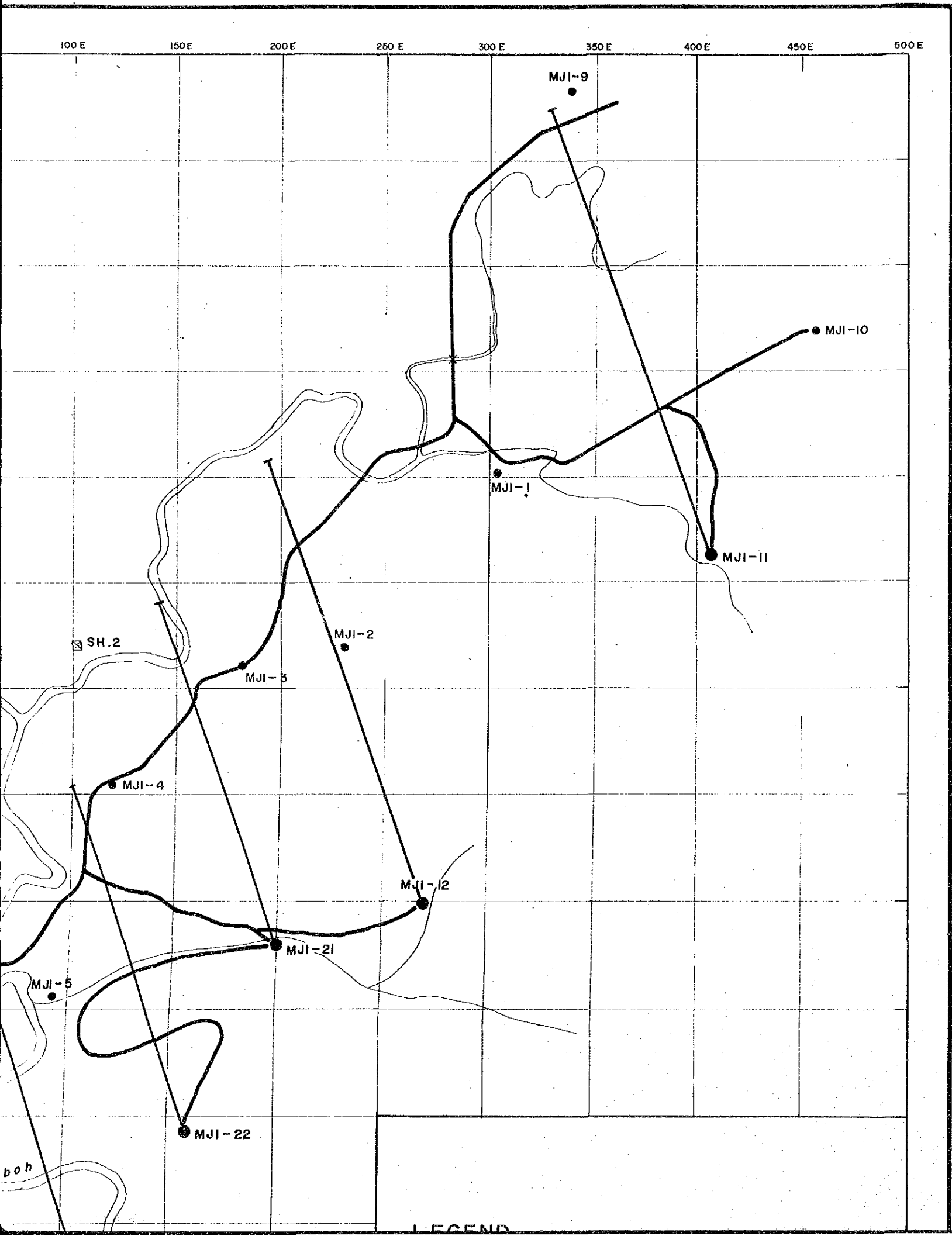
LOCATION MAP OF DRILL HOLE IN S. TUBOH SOUTHERN SUMATRA INDONESIA



Scale



LEGEND



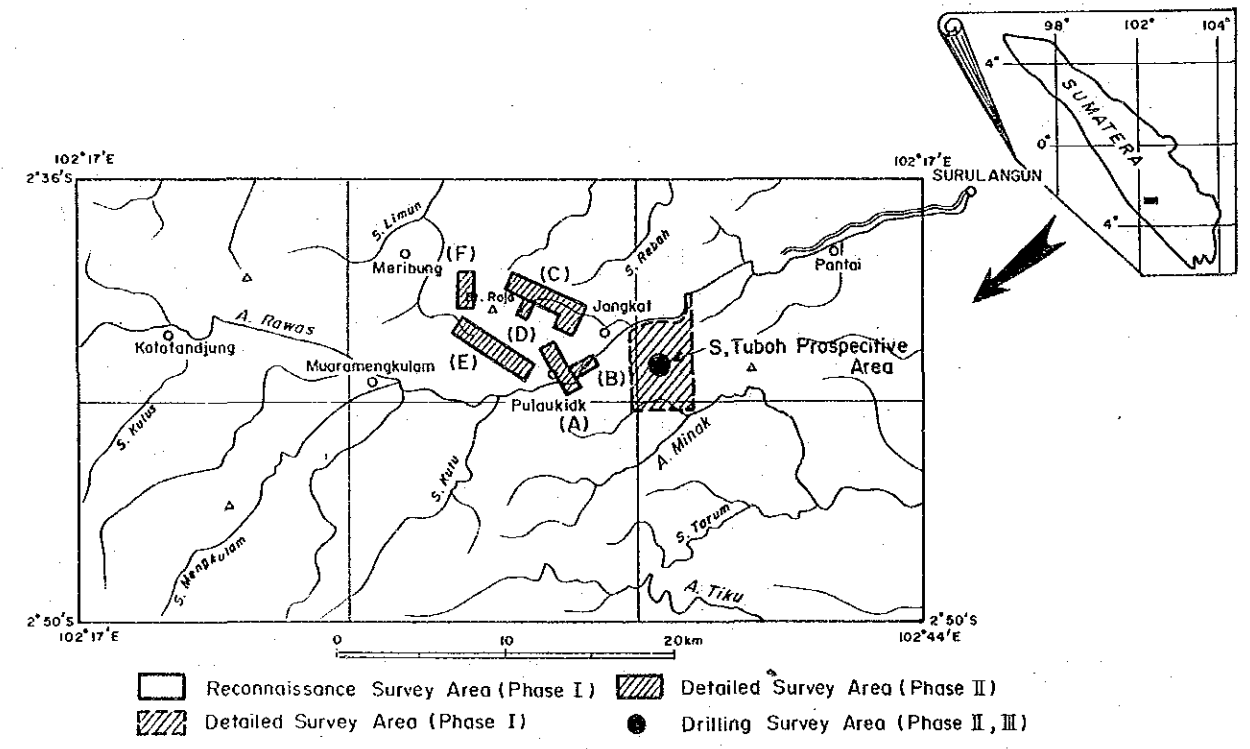
LEGEND

PL. I

REPORT ON THE MINERAL EXPLORATION OF
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PHASE III

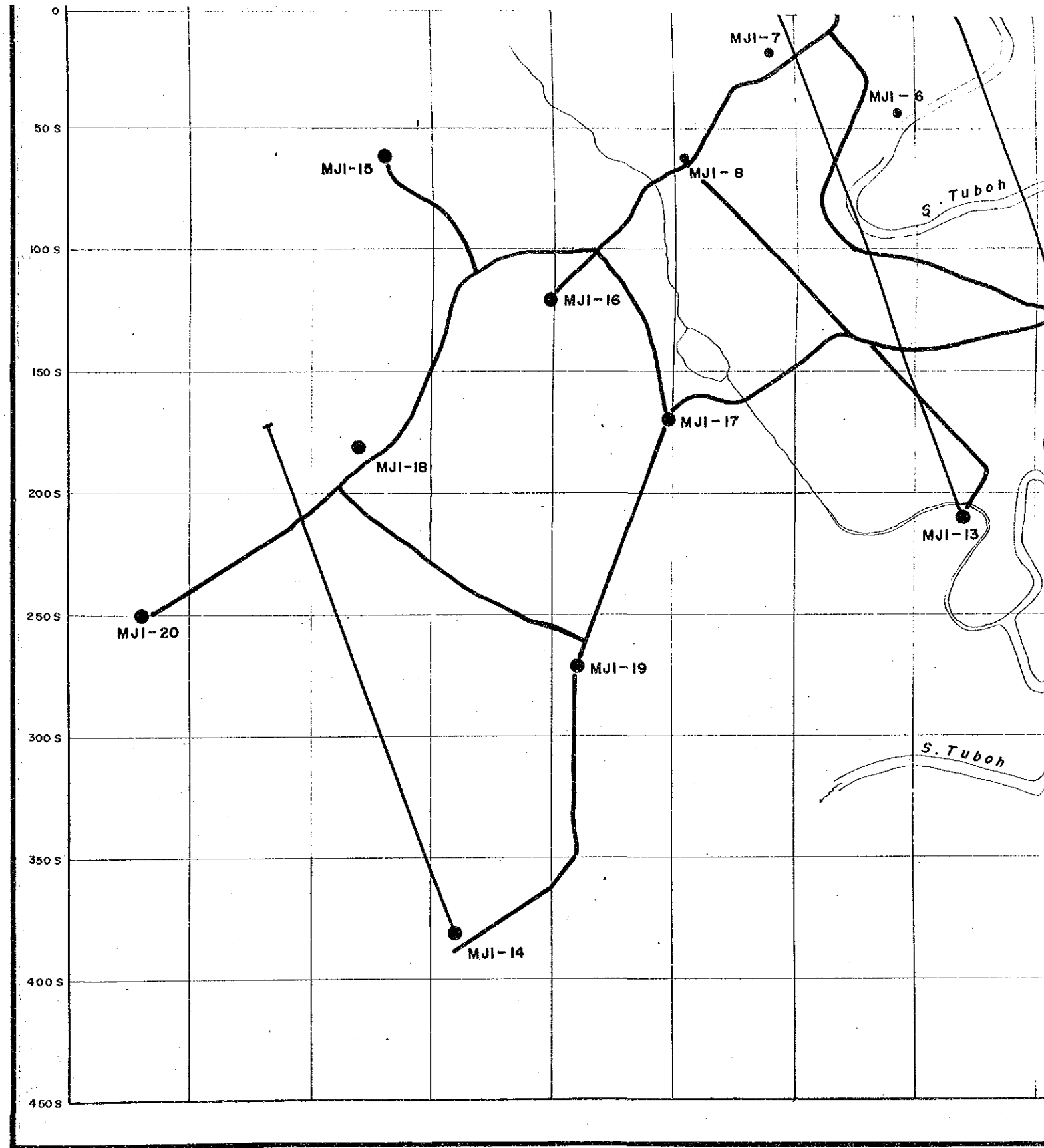
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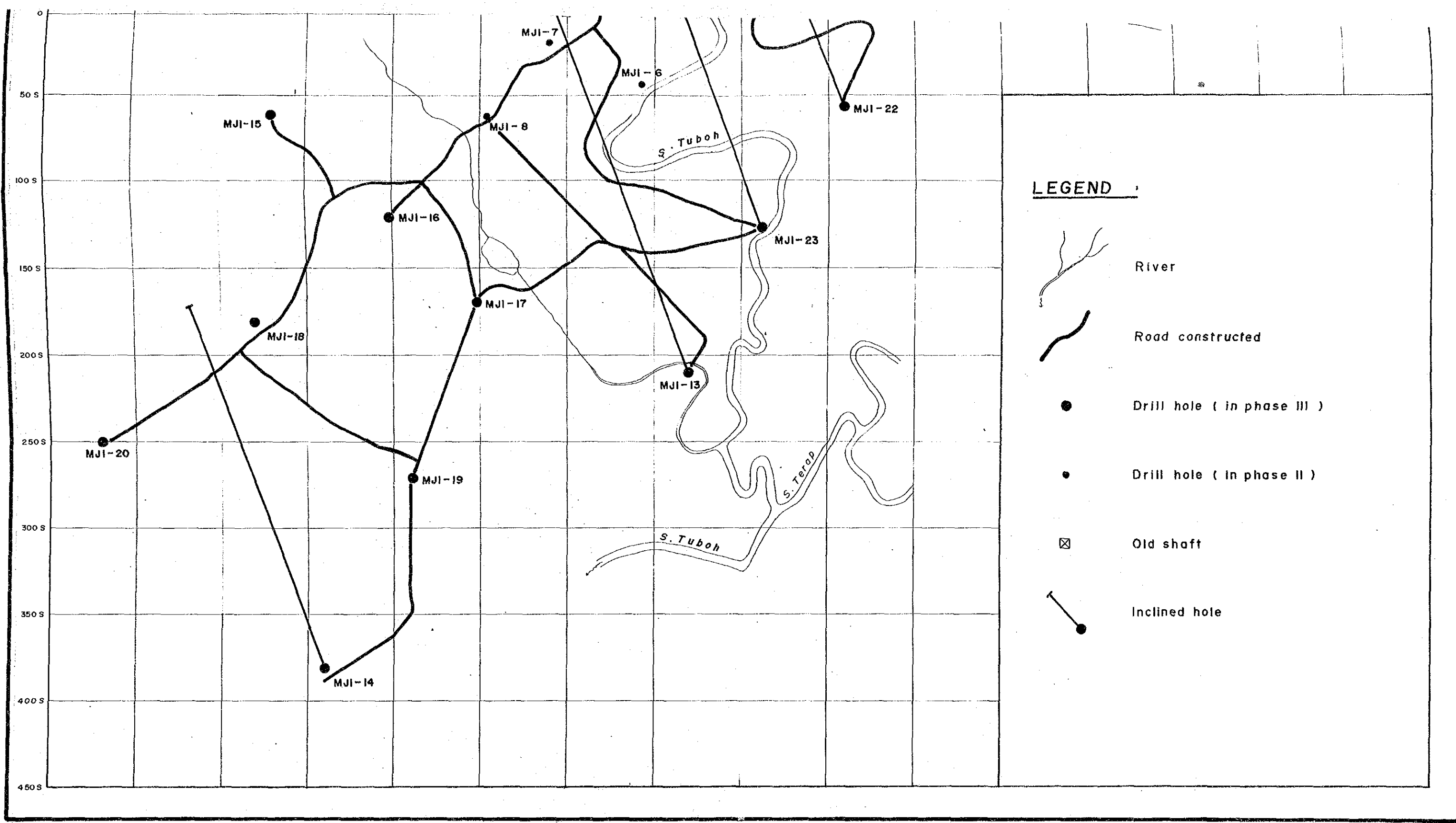
LOCATION MAP OF DRILL HOLE
IN S. TUBOH
SOUTHERN SUMATRA
INDONESIA



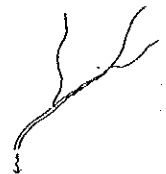





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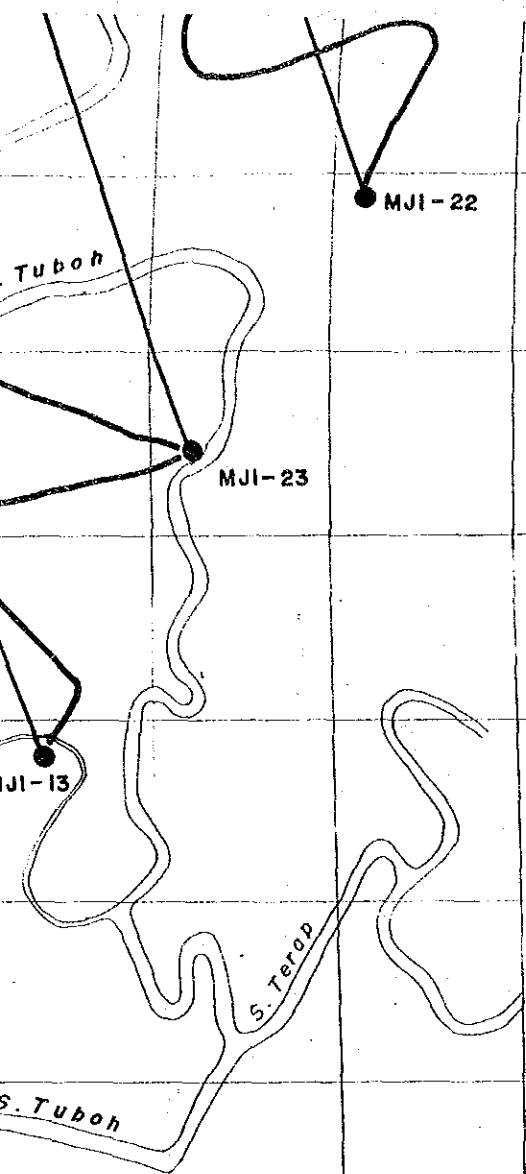
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LEGEND

-  River
-  Road constructed
-  Drill hole (in phase III)
-  Drill hole (in phase II)
-  Old shaft
-  Inclined hole



LEGEND



River



Road constructed



Drill hole (In phase III)



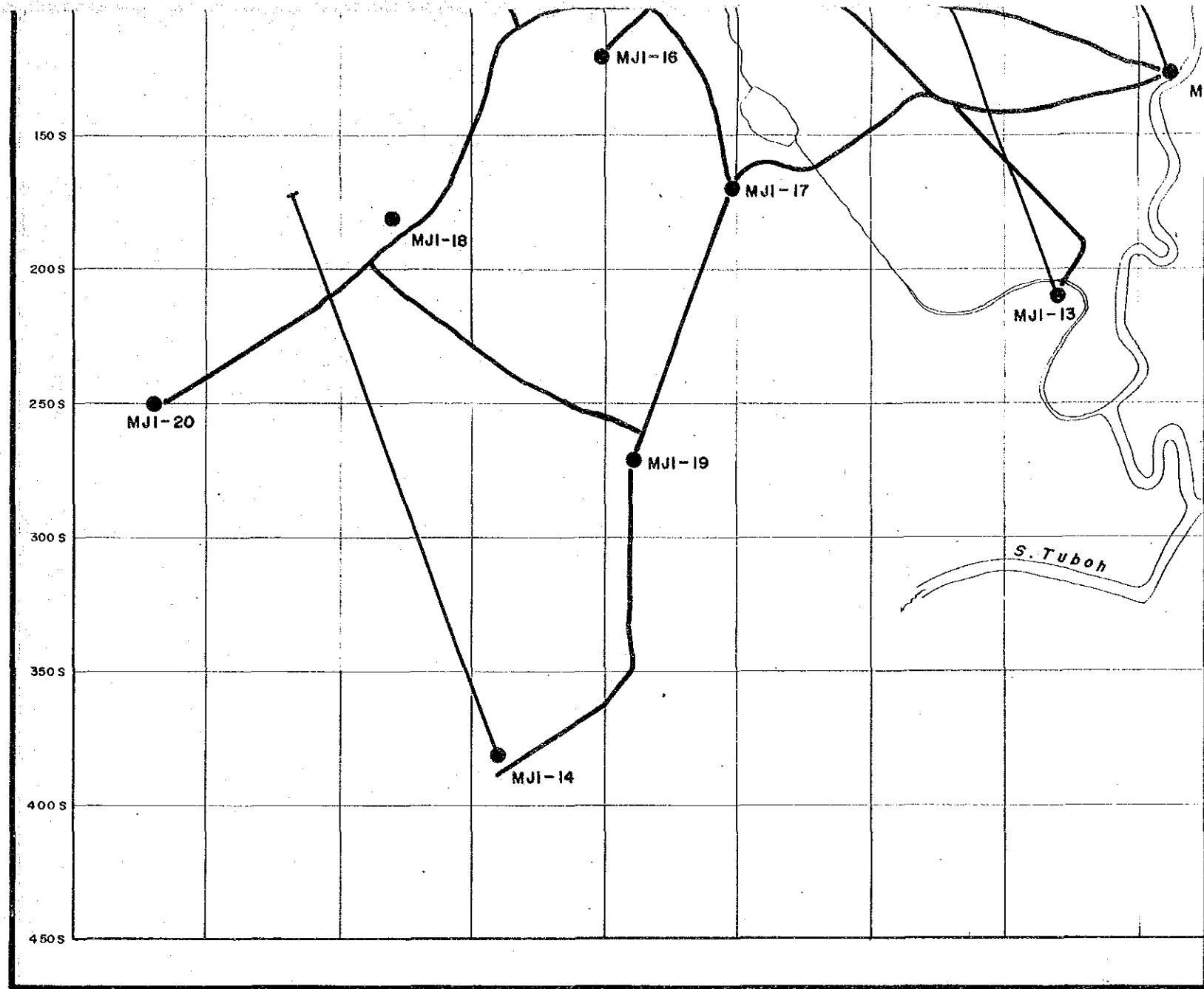
Drill hole (In phase II)

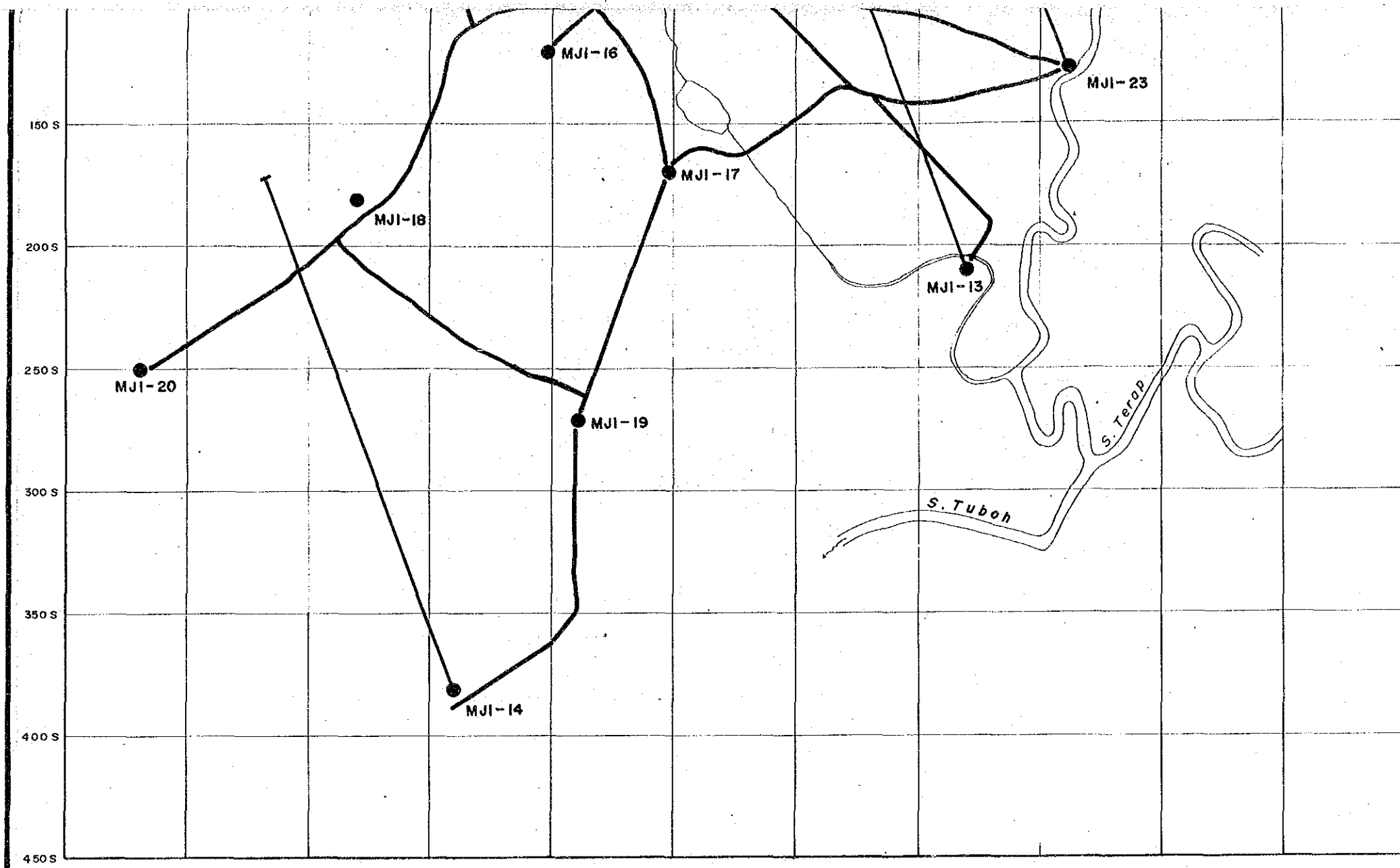


Old shaft









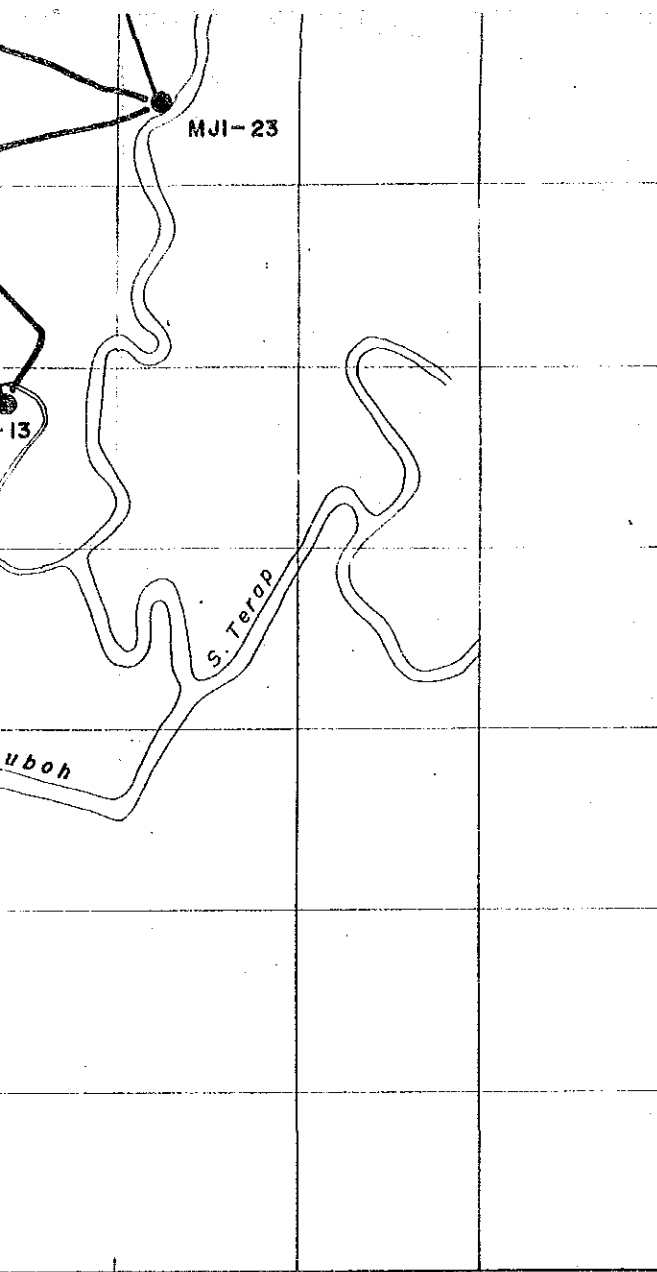
Inclined hole











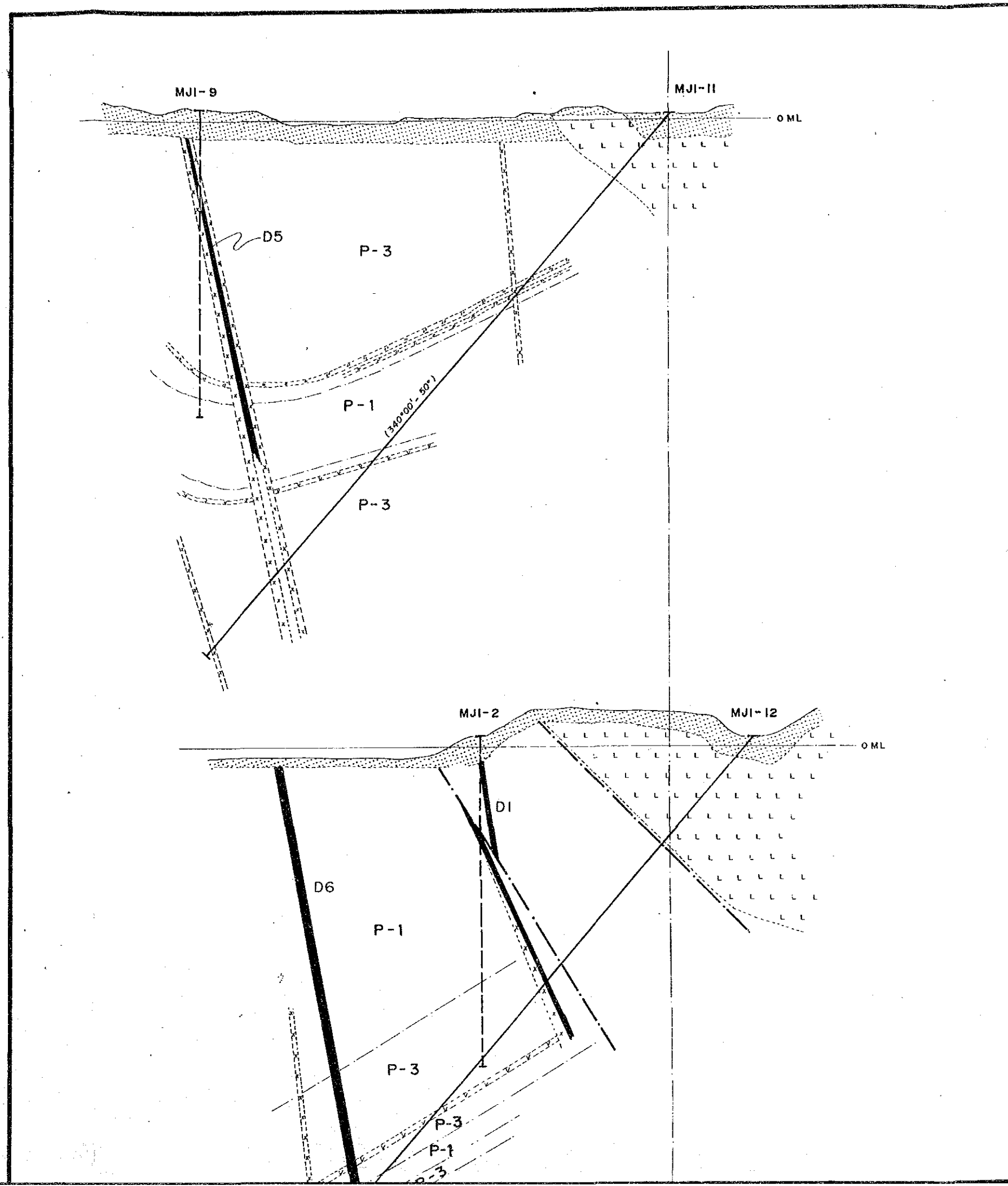
LEGEND

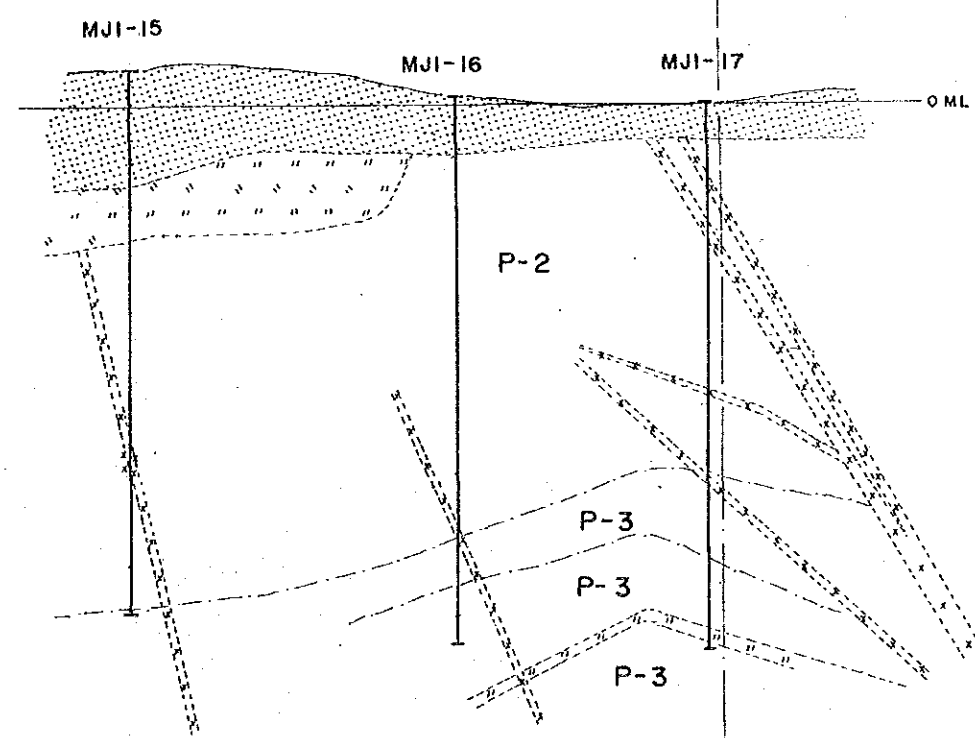
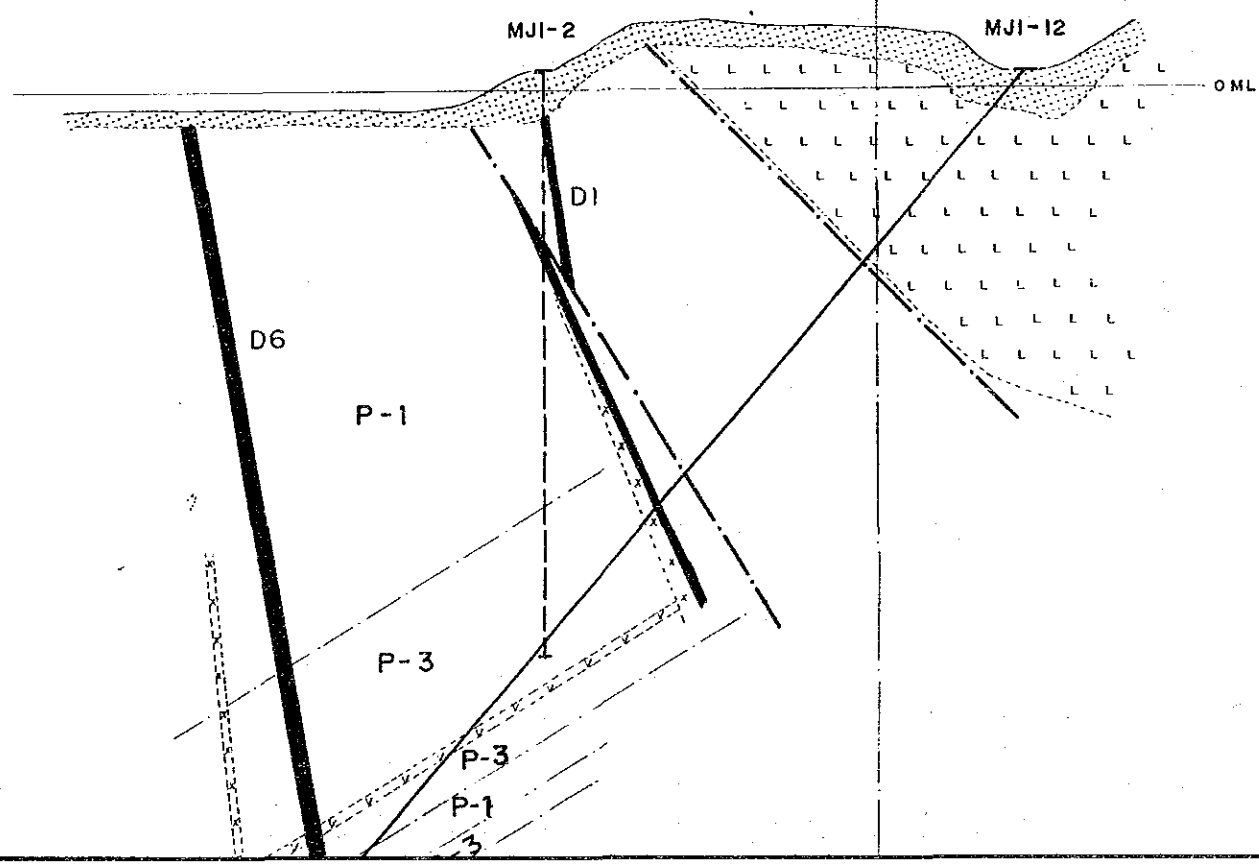
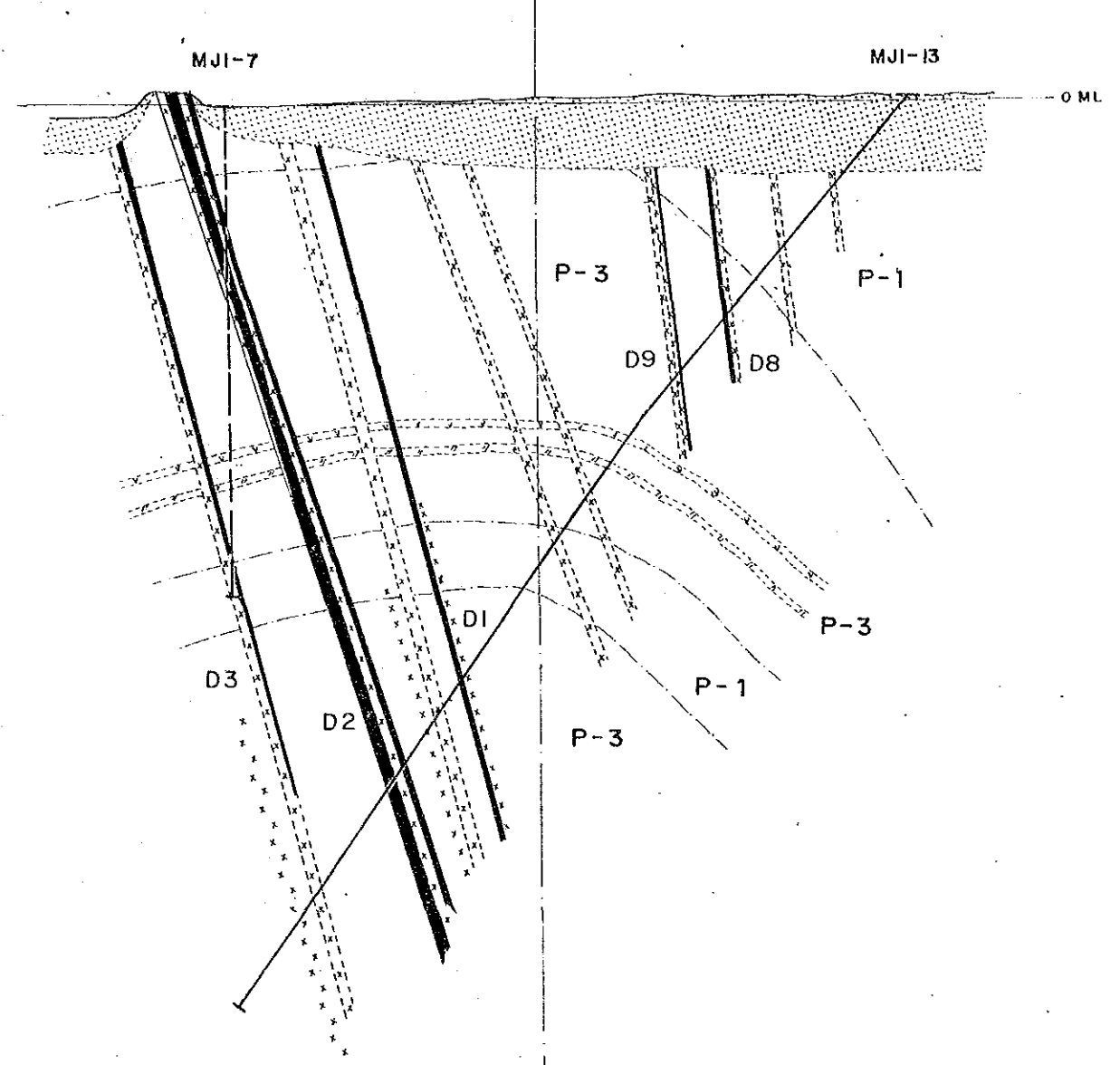
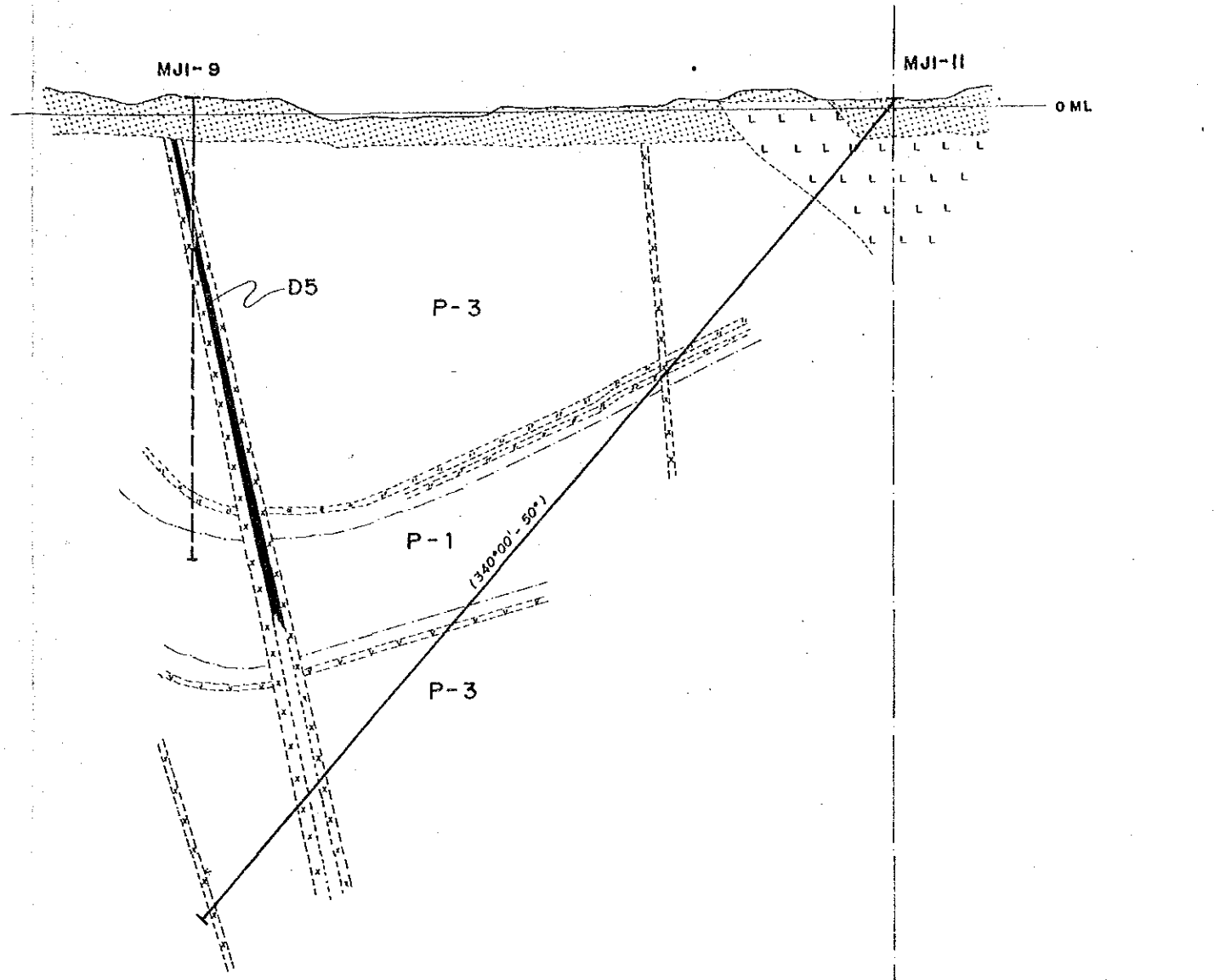
-  River
-  Road constructed
-  Drill hole (in phase III)
-  Drill hole (in phase II)
-  Old shaft
-  Inclined hole



LEGEND

-  River
-  Road constructed
-  Drill hole (in phase III)
-  Drill hole (In phase II)
-  Old shaft
-  Inclined hole

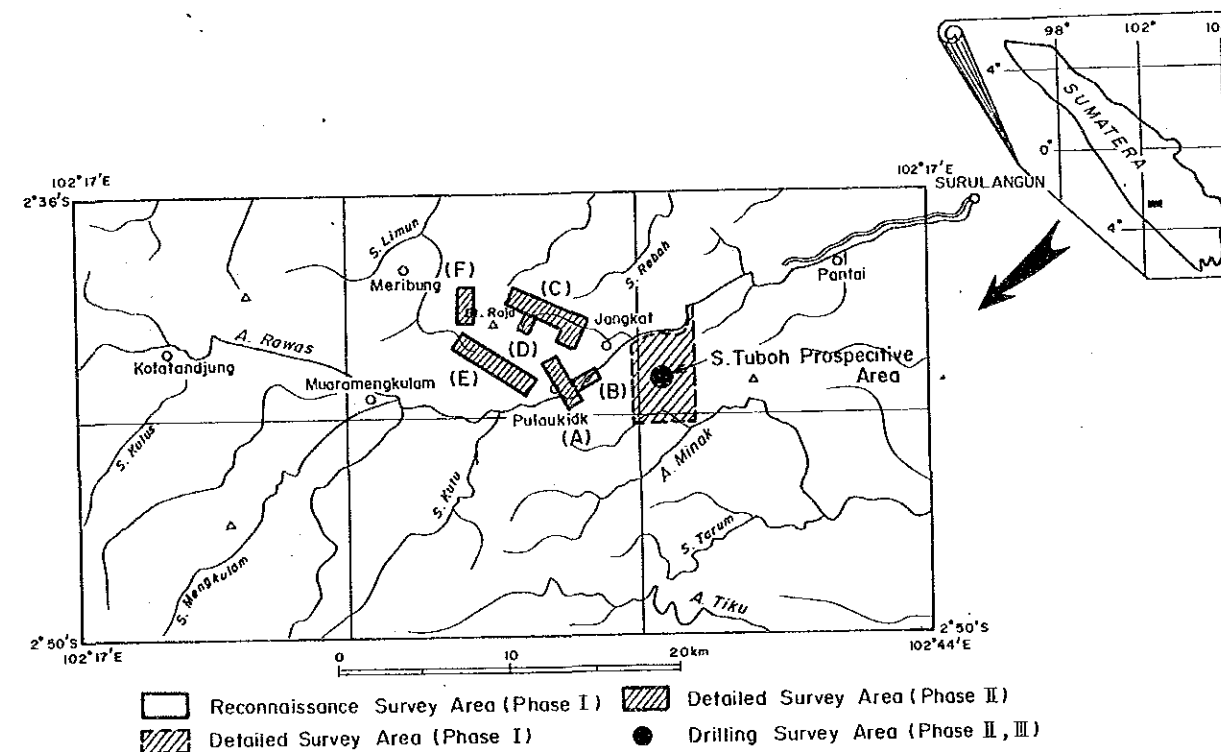
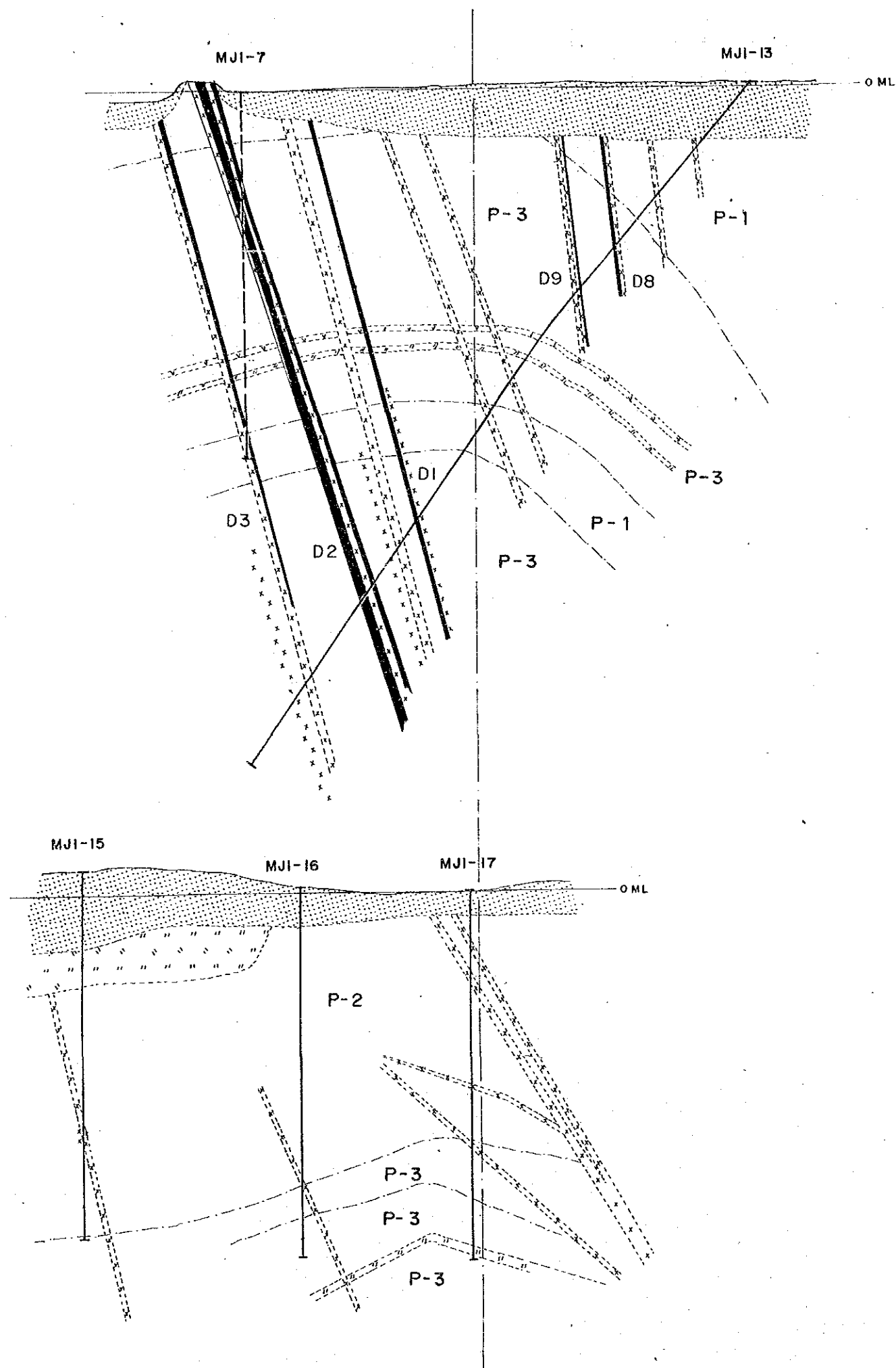




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SOUTHERN SUMATRA AREA, THE REPUBLIC OF INDONESIA
PHASE III

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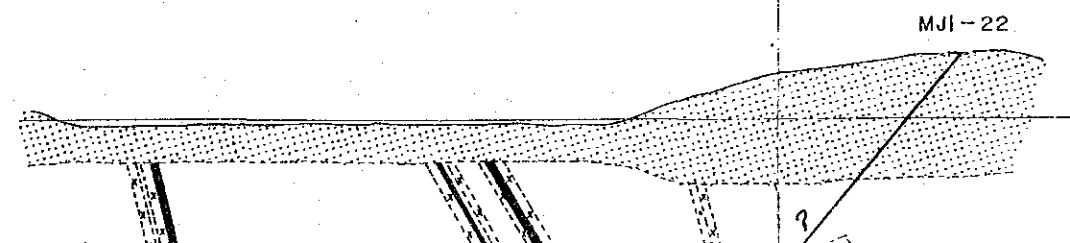
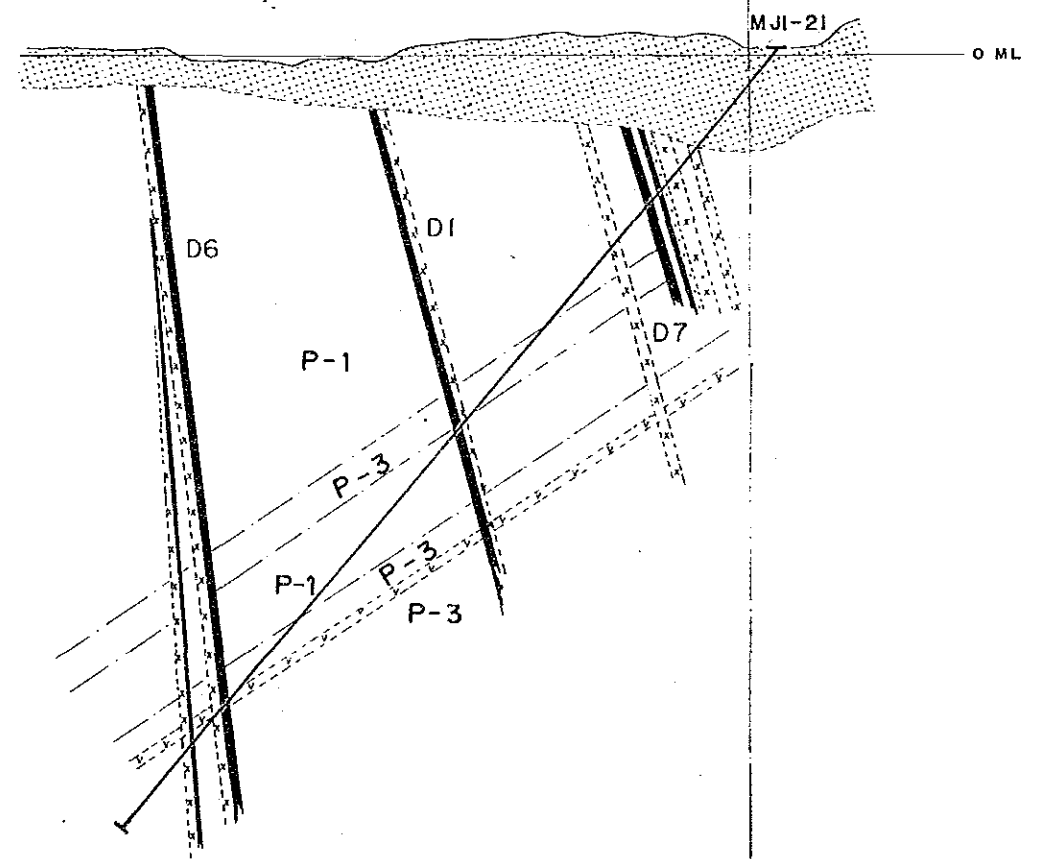
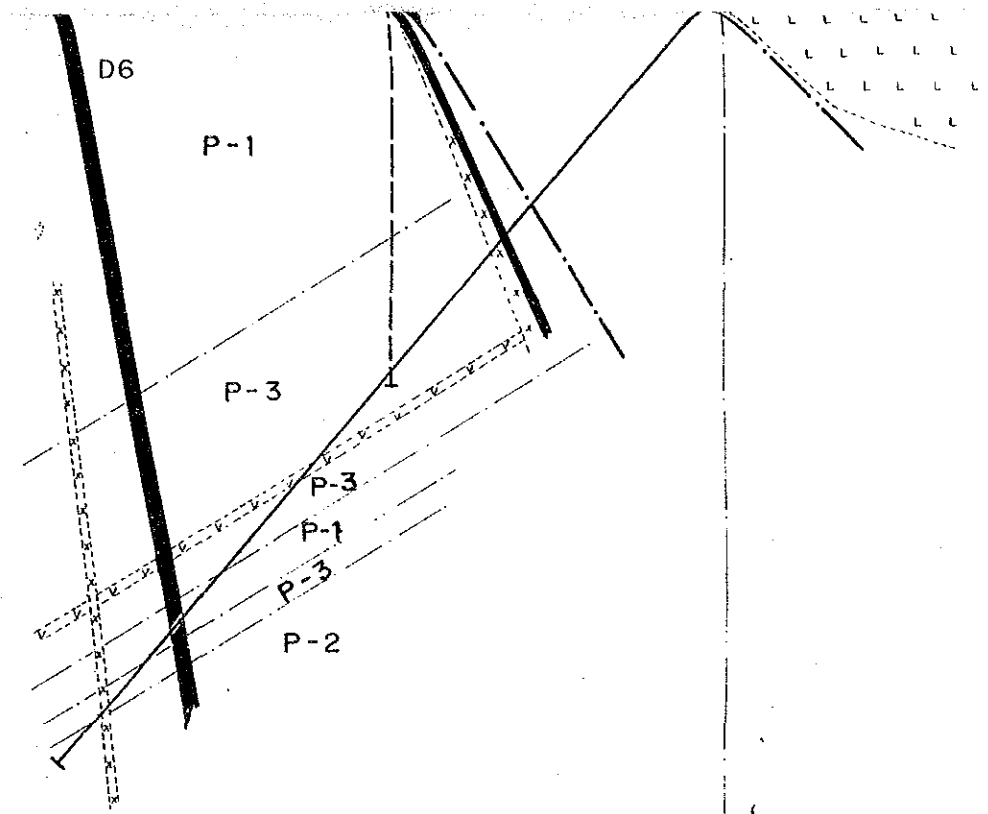
DRILLING PROFILE OF PHASE-III
SOUTHERN SUMATRA AREA



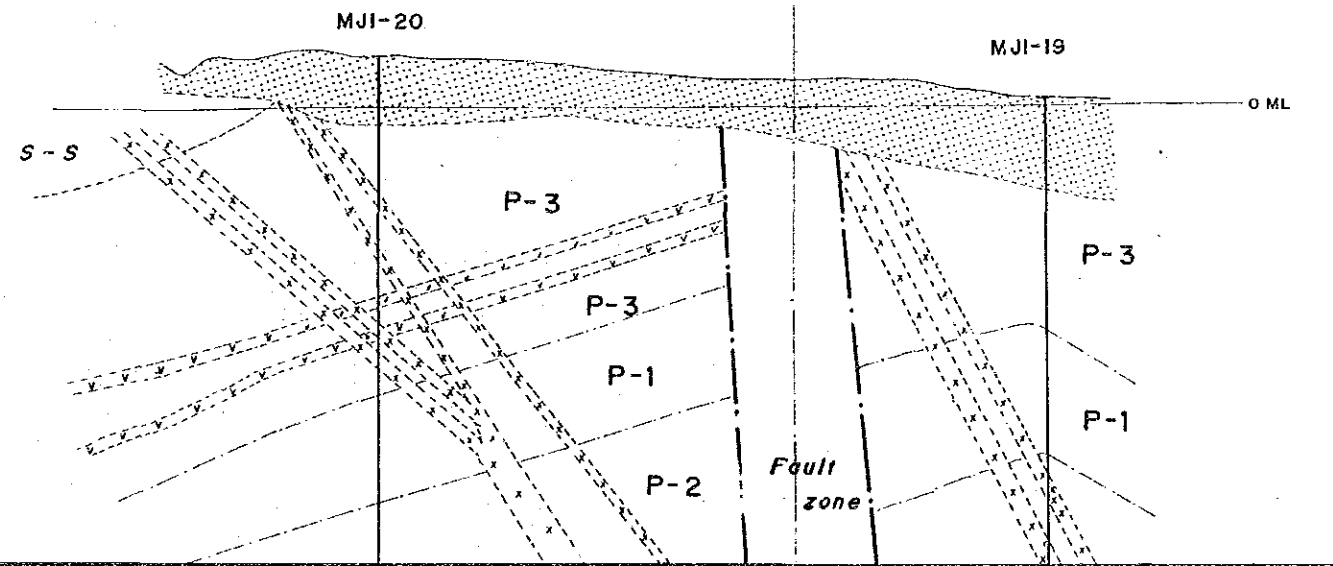
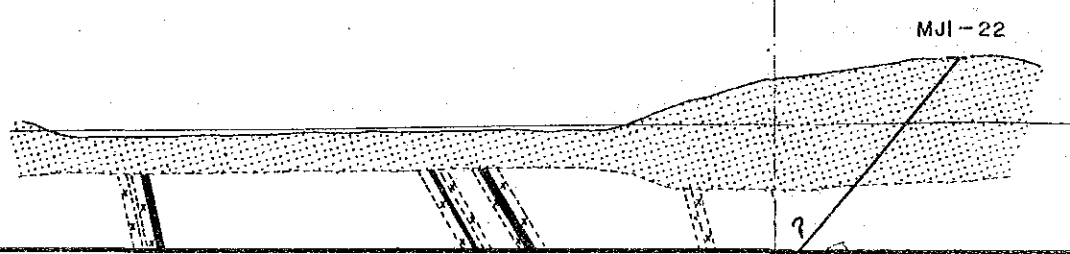
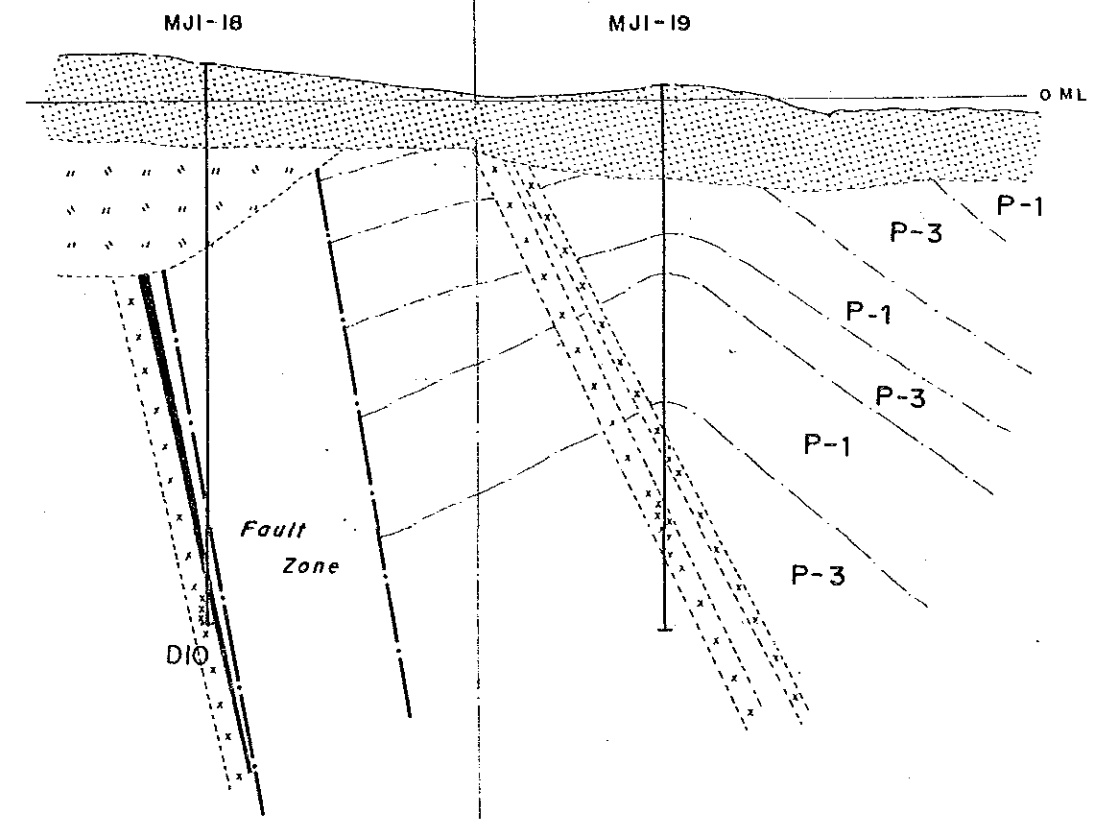
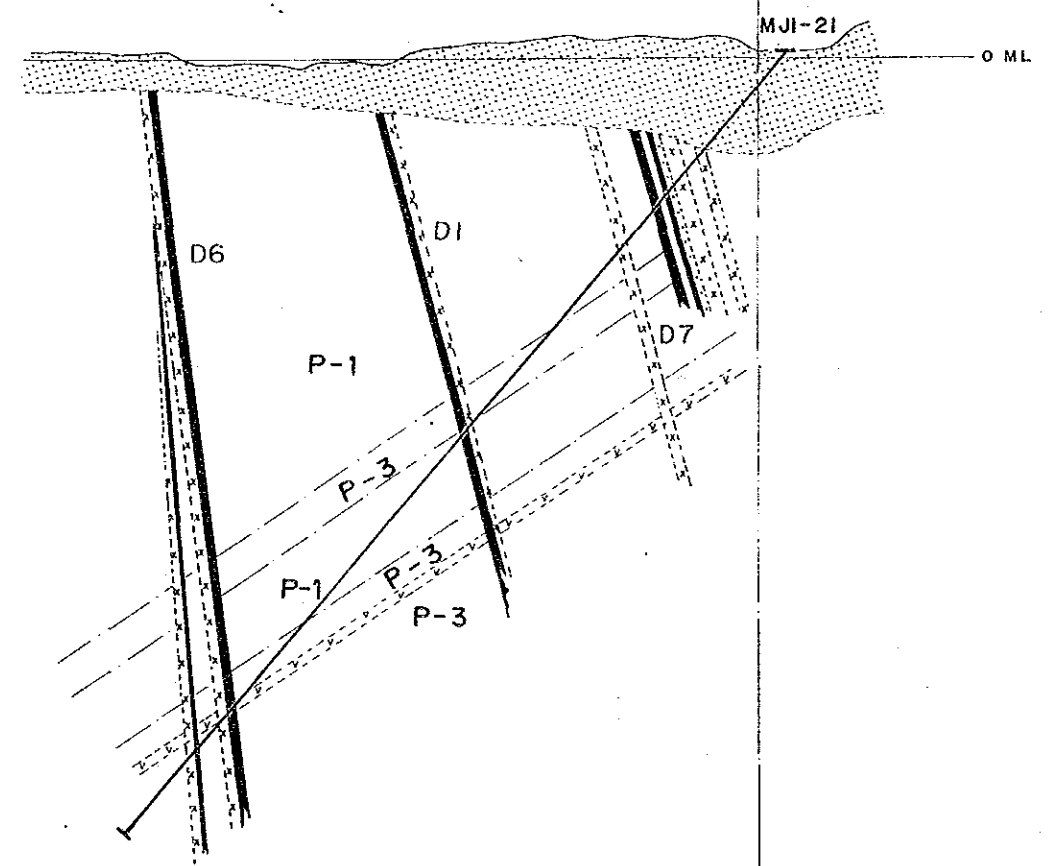
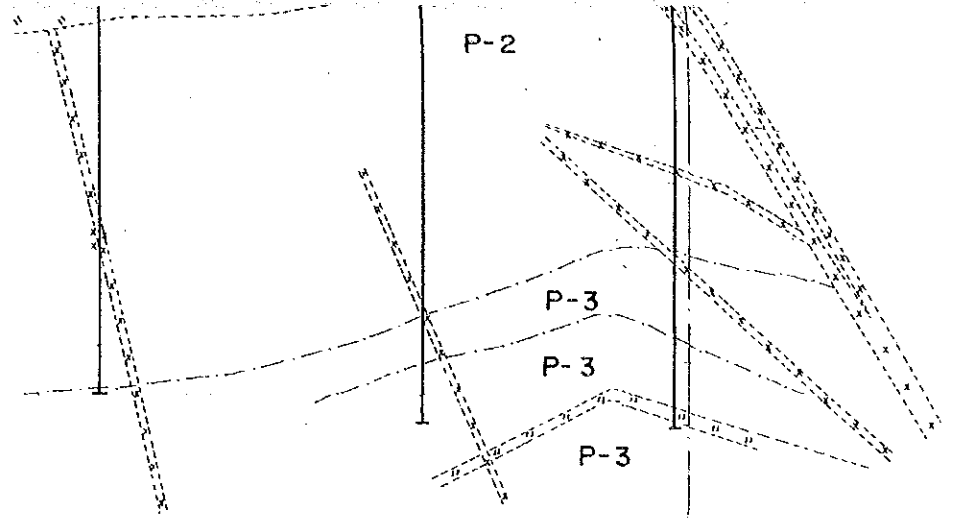
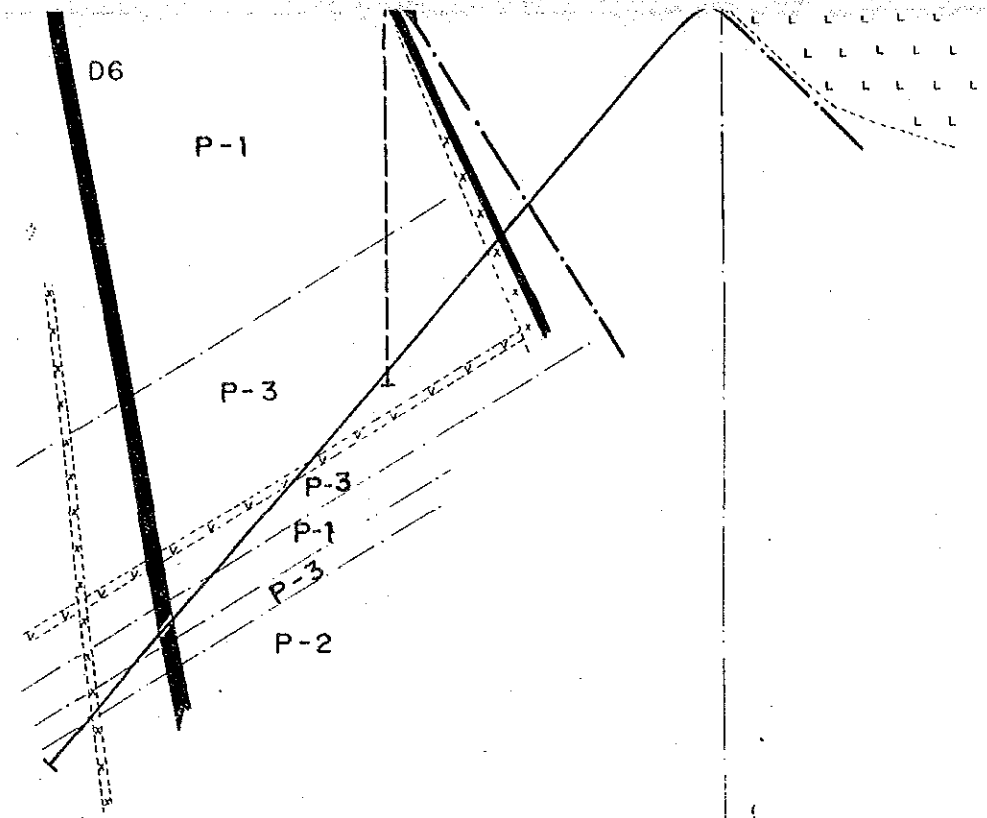
Reconnaissance Survey Area (Phase I)
 Detailed Survey Area (Phase II)
 Detailed Survey Area (Phase I)
 Drilling Survey Area (Phase II, III)

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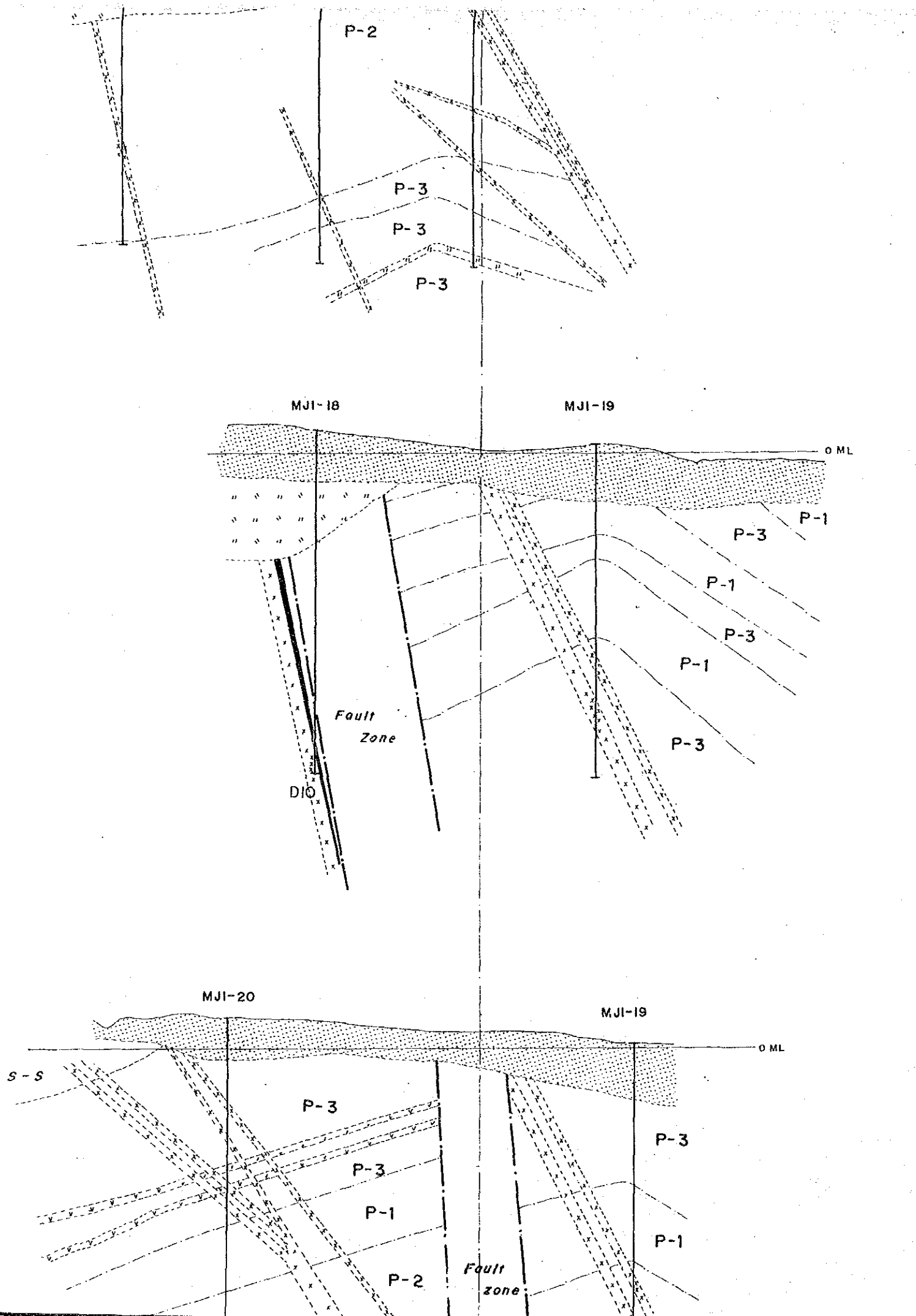


S - S

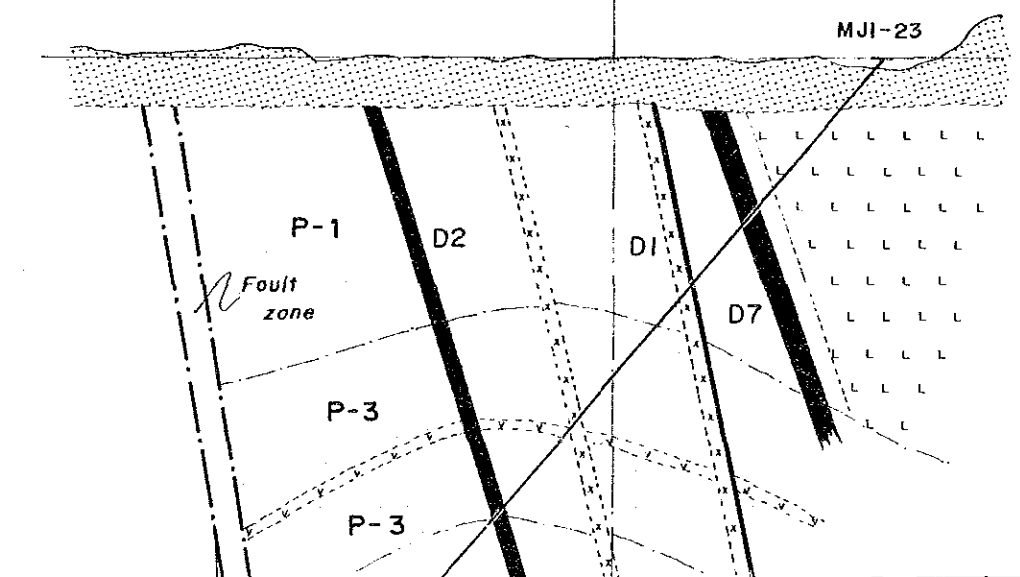
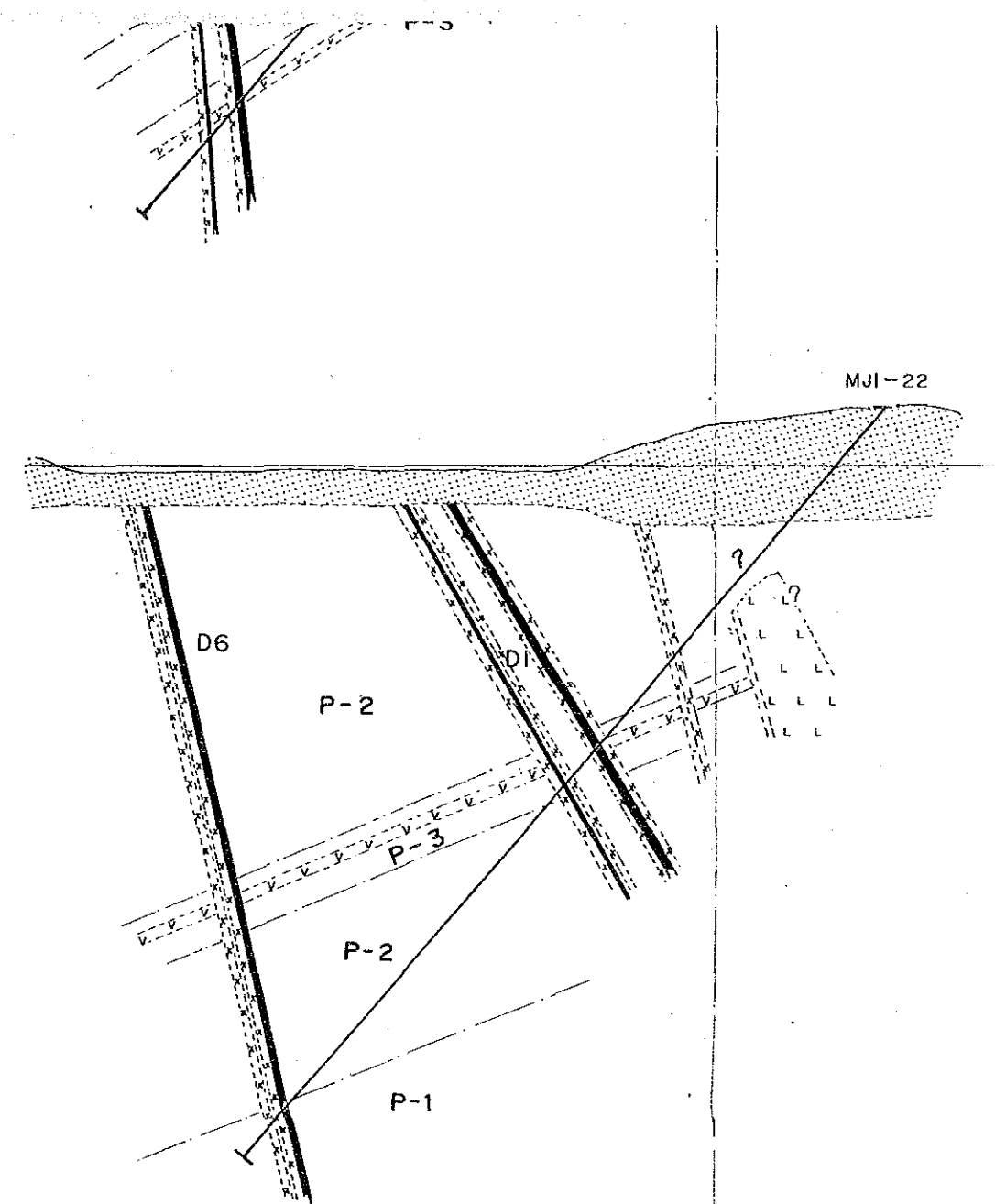


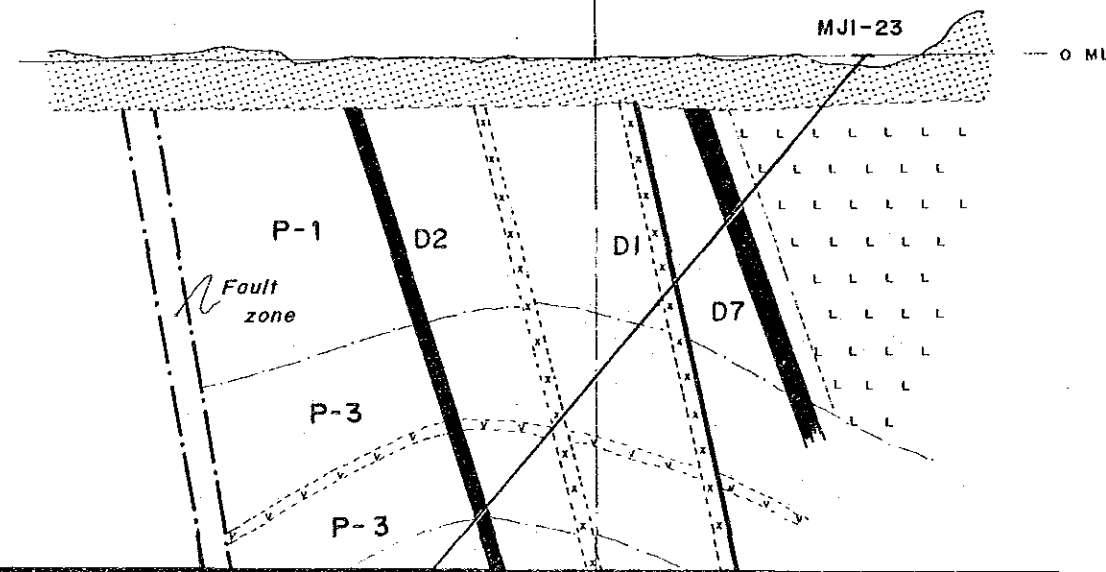
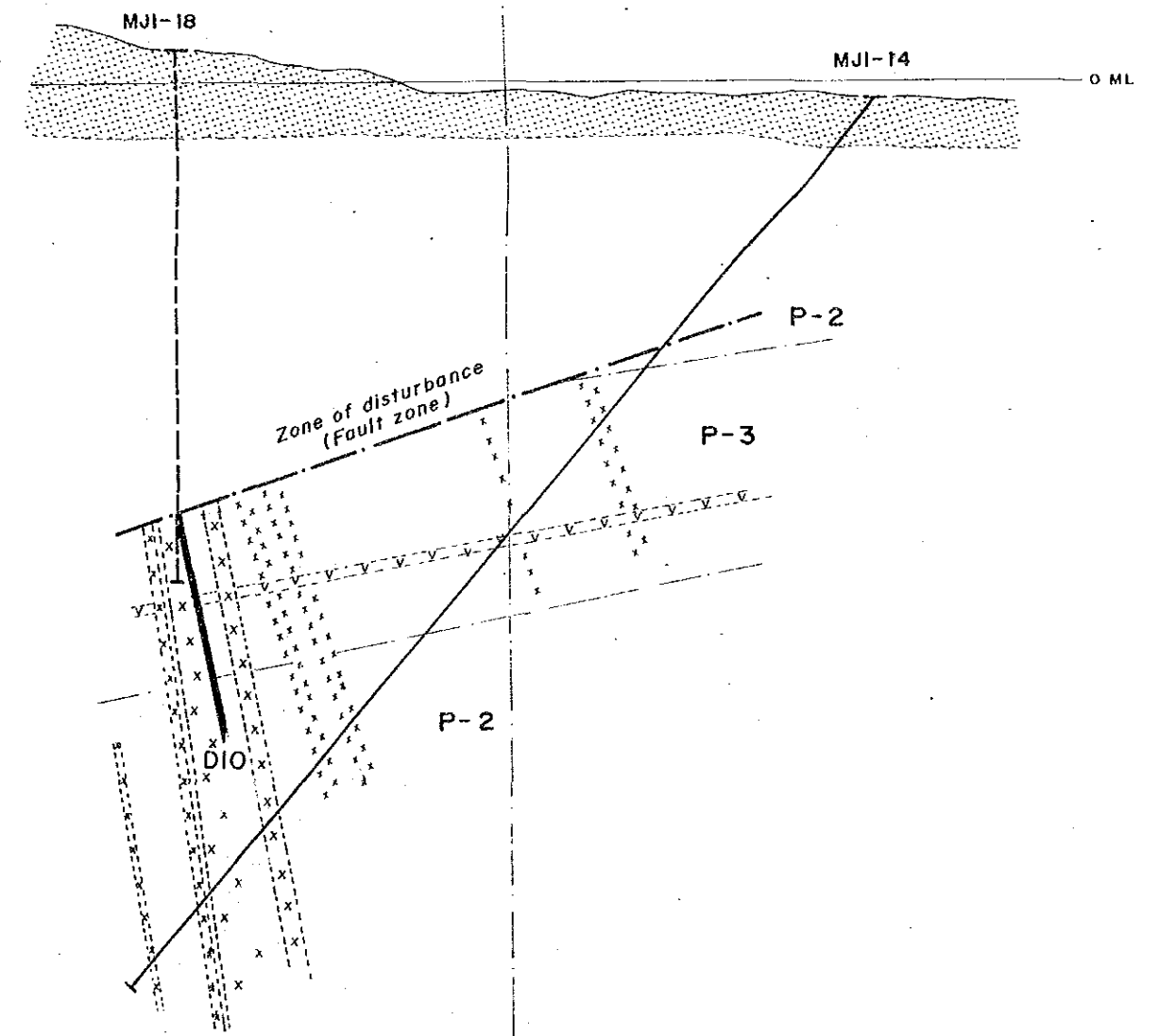
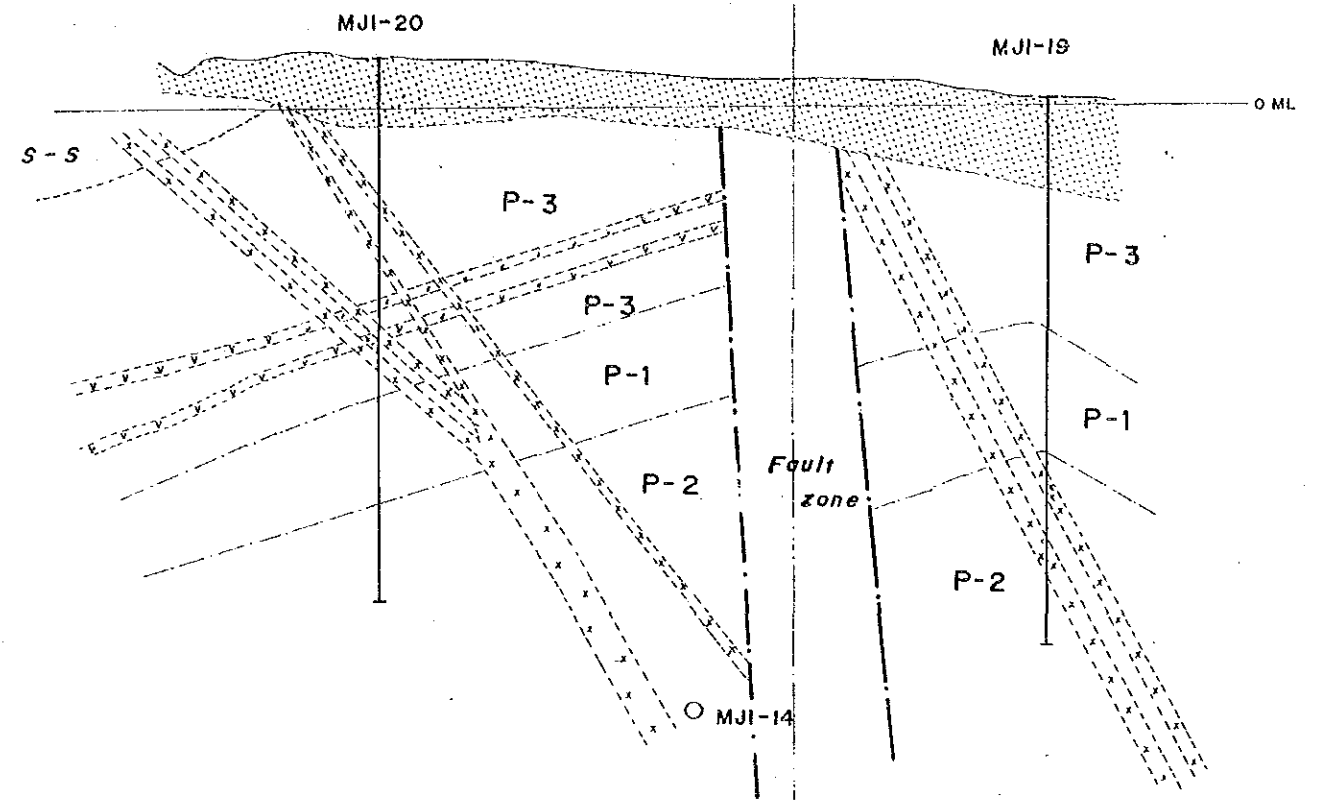
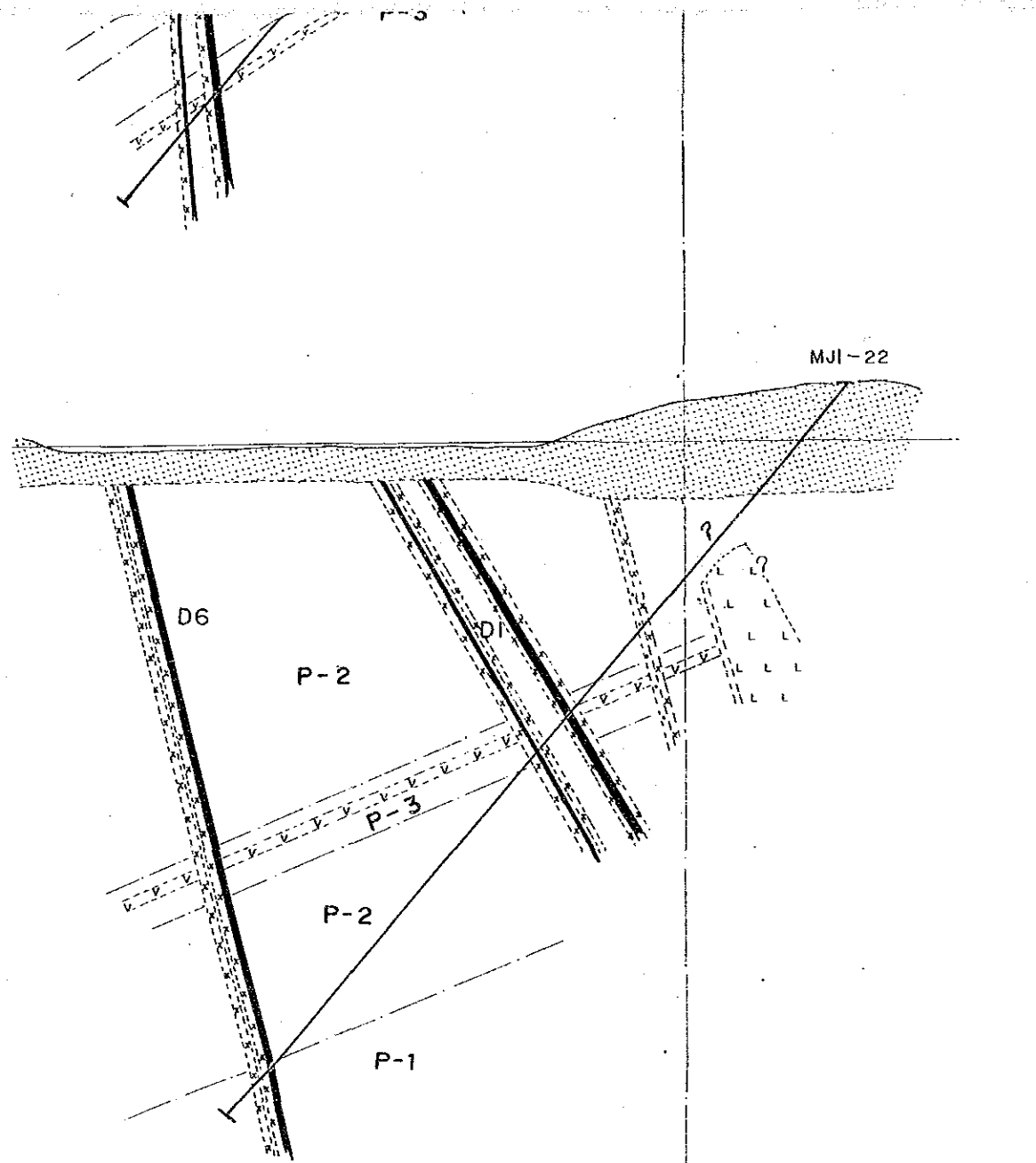
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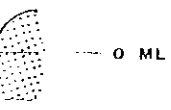
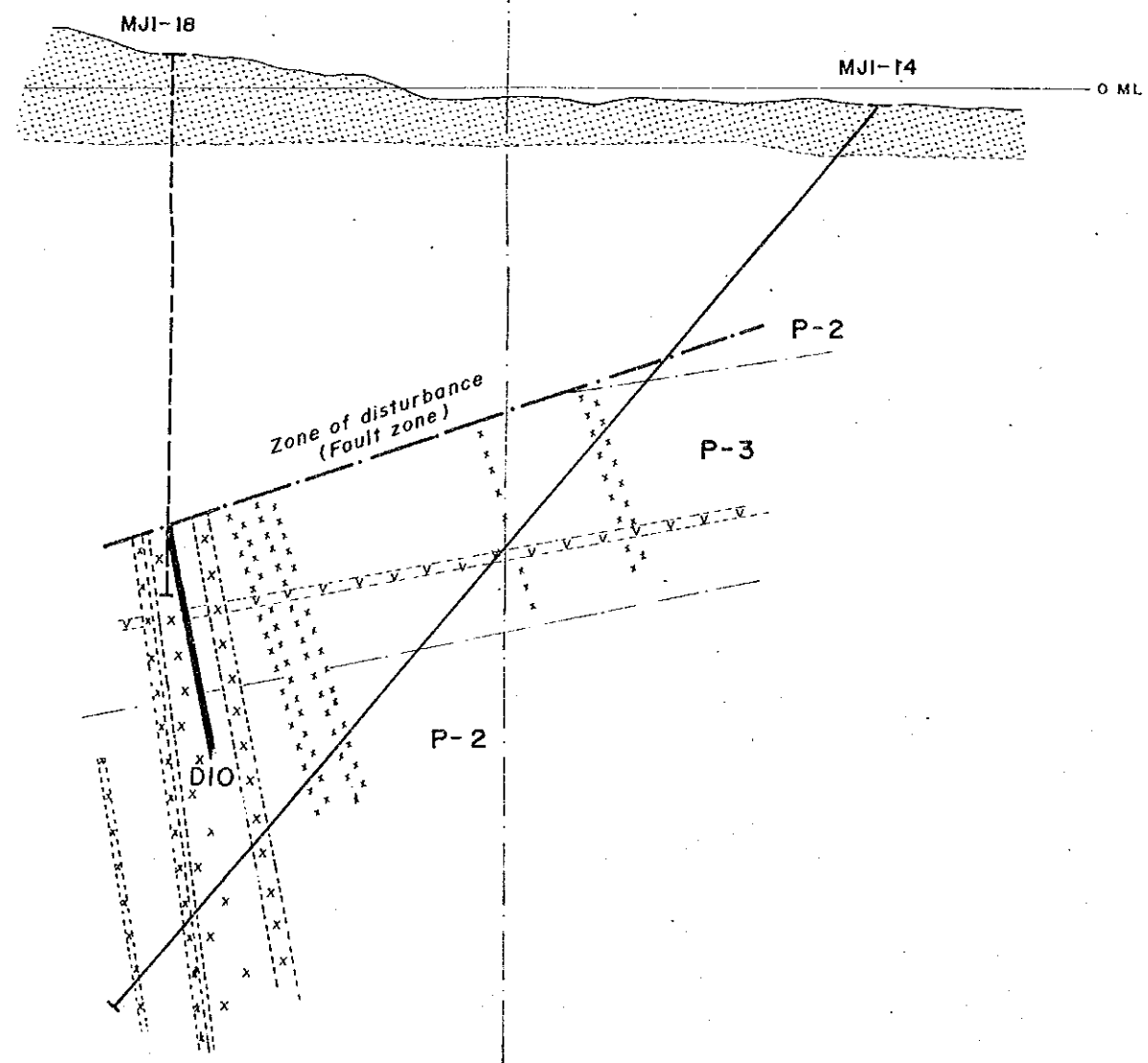
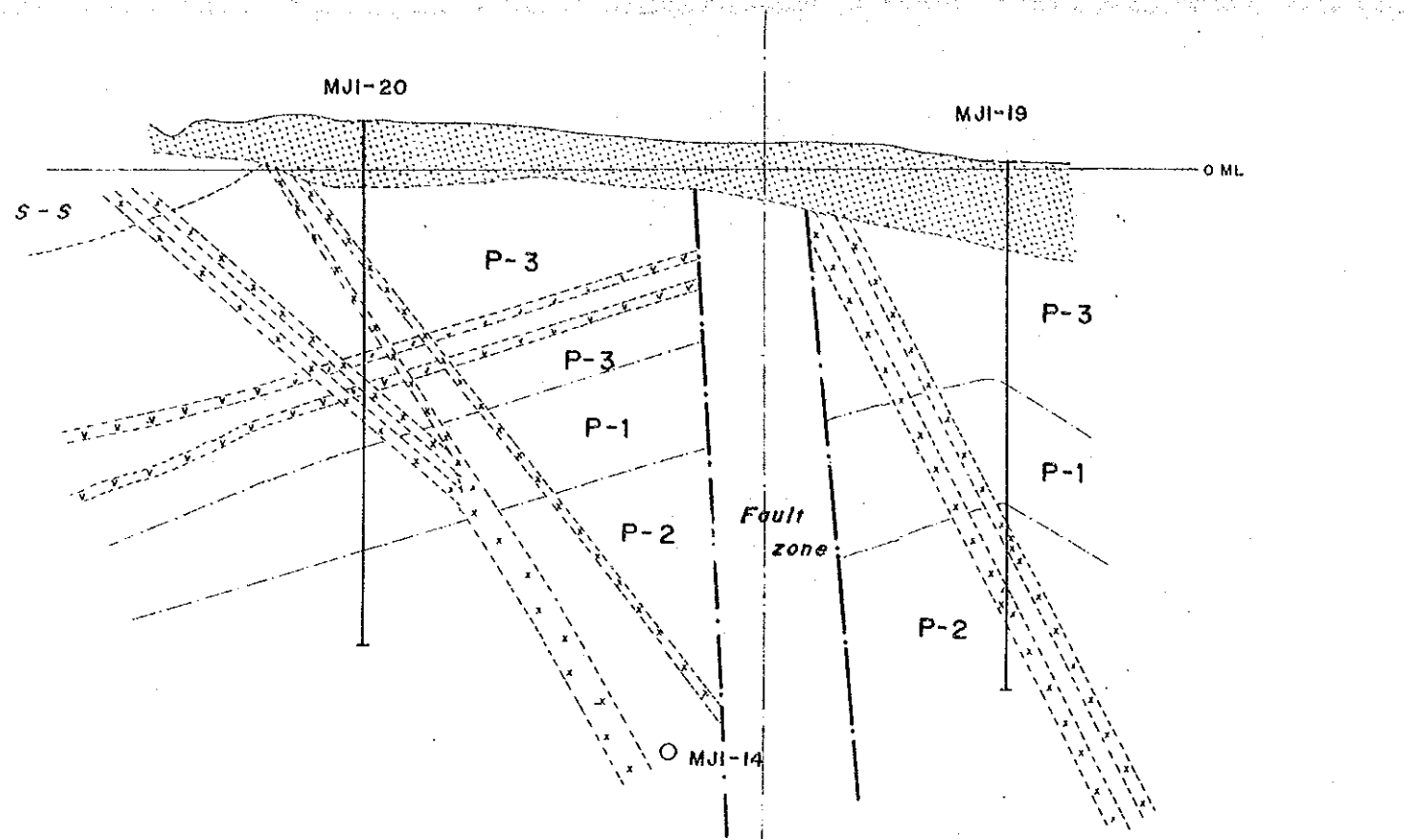
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

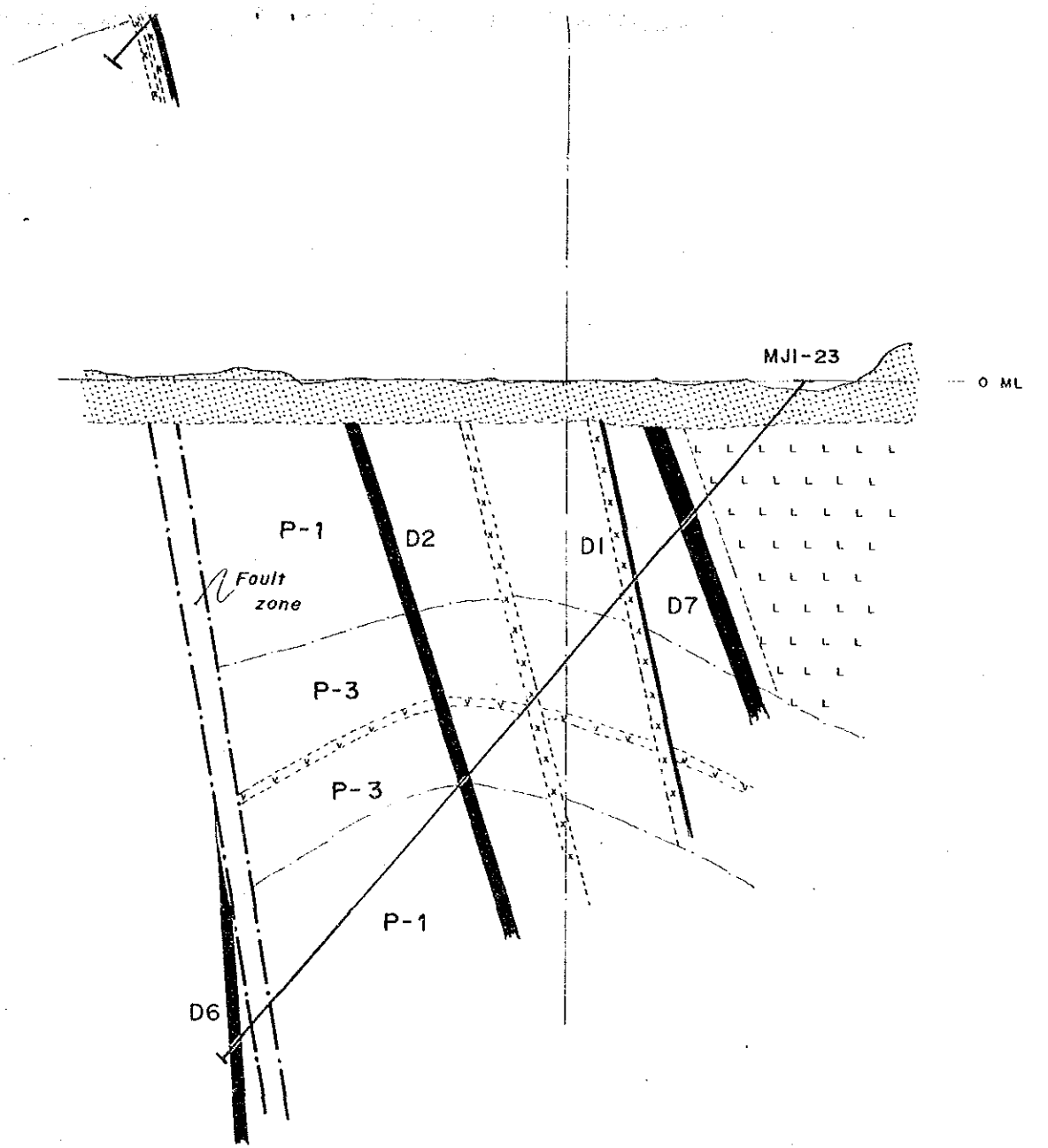


S-S



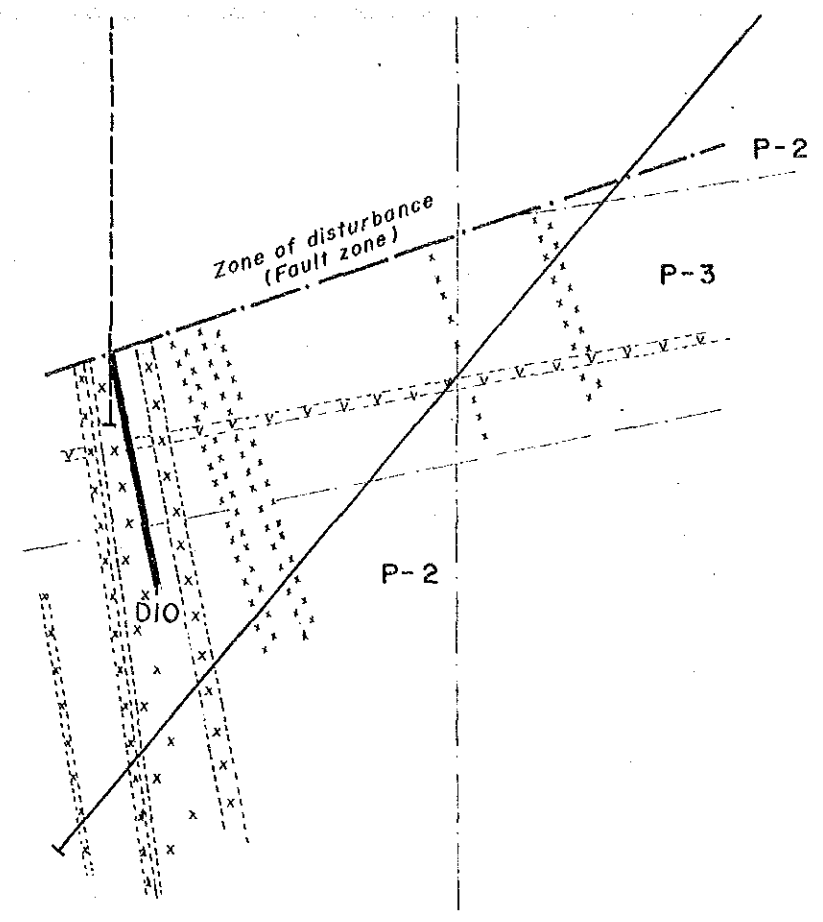
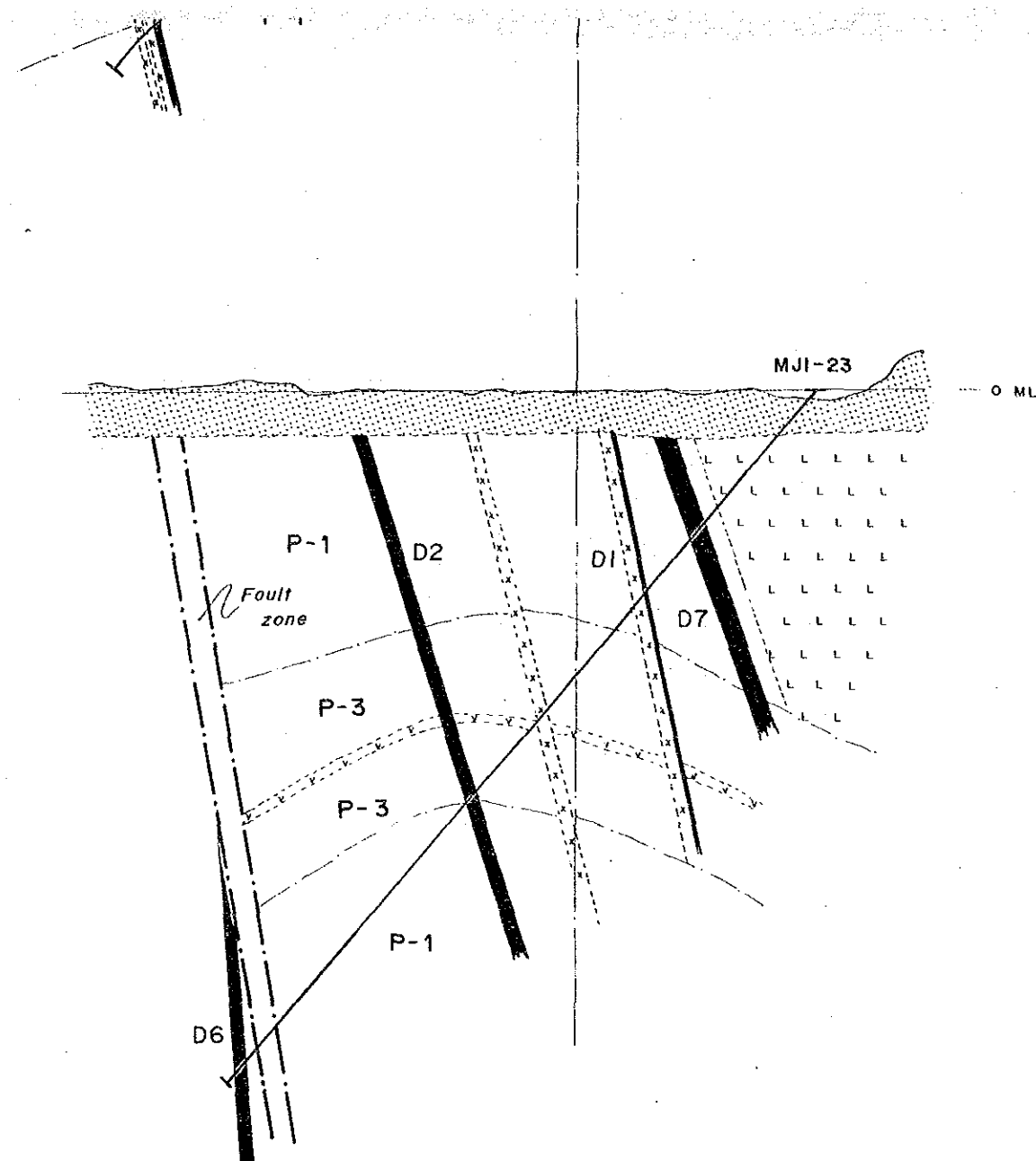






DRILLING PROFILE OF PHASE - III
SOUTHERN SUMATRA AREA









0 20 40 60 80 m

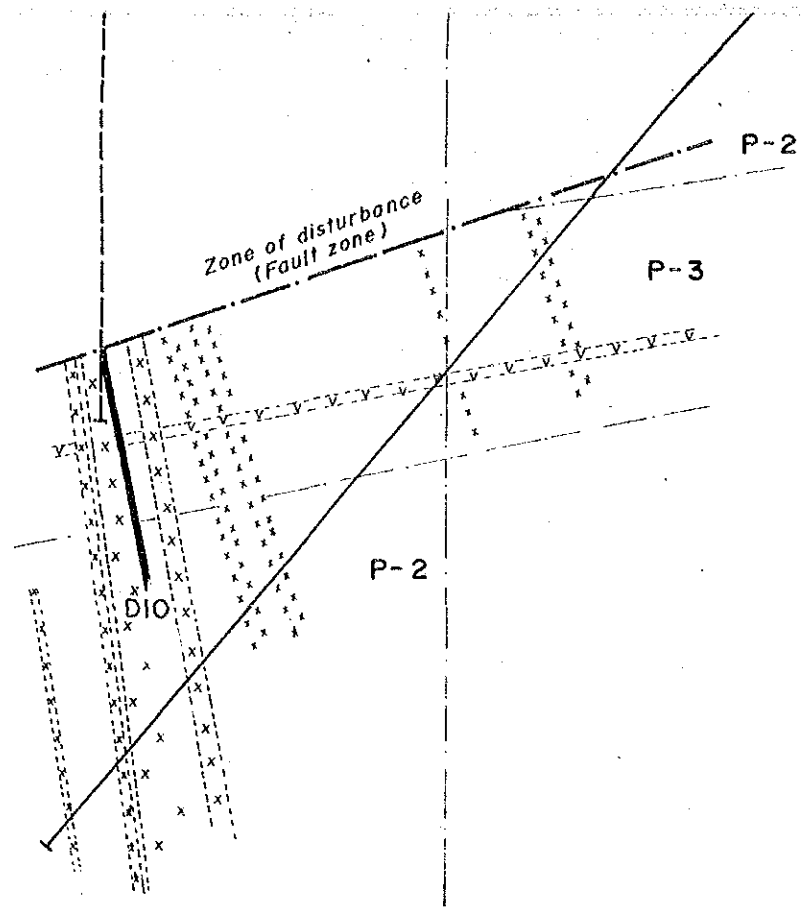


DRILLING PROFILE OF PHASE-III
SOUTHERN SUMATRA AREA










0 20 40 60 80 m

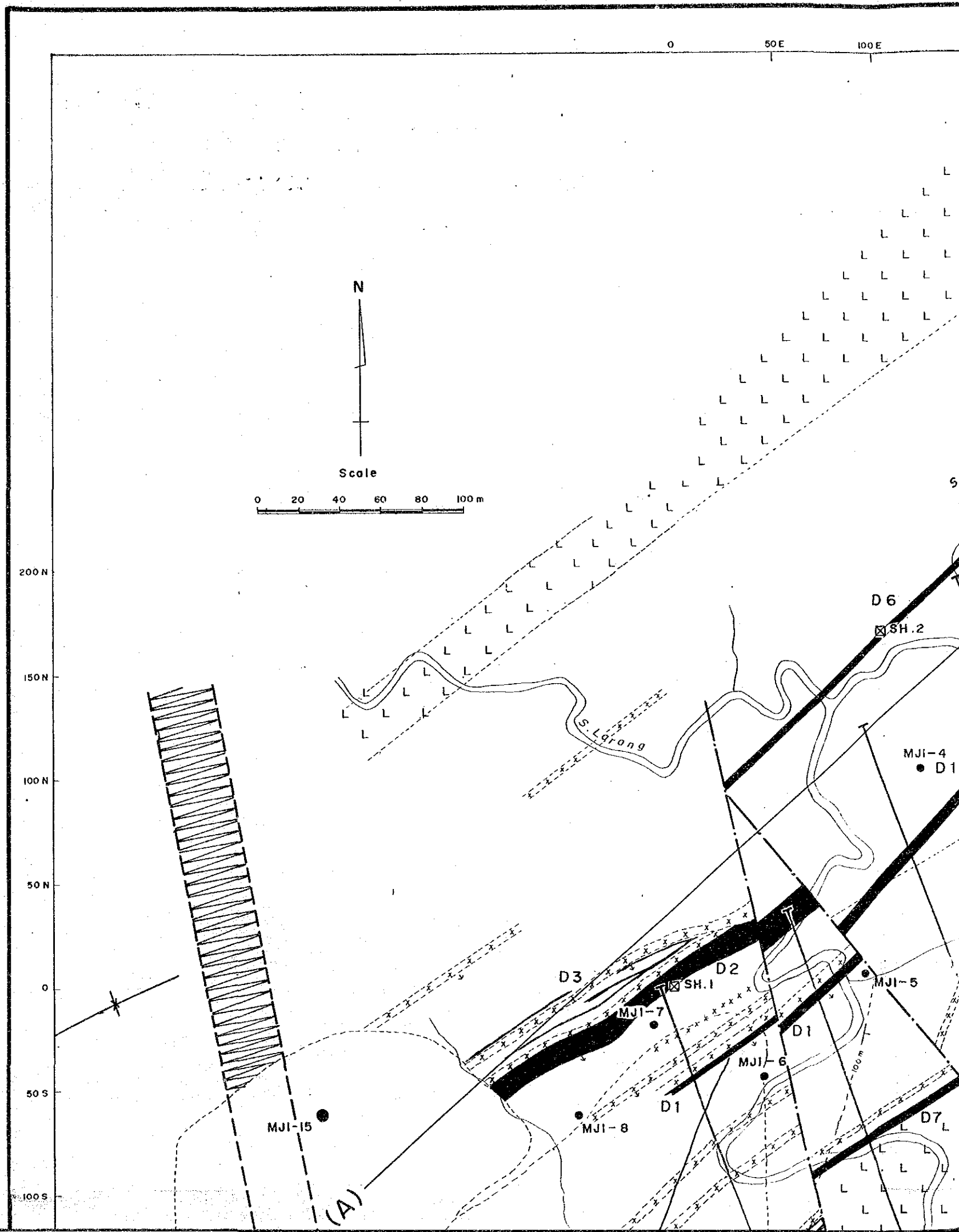
LEGEND :

-  Surface soil
- S. Minak Formation**  Weak consolidated crystal tuff
- S. Rawas Formation**  Tuff
-  Mafic lava
-  Alkaline intrusive (shallow facies)
-  Alkaline intrusive (Deep facies)
-  Mineralized zone
-  Boundary of grain size of marble



LEGEND :

-  Surface soil
- S. Minak Formation**  Weak consolidated crystal tuff
- S. Rawas Formation**  Marble (P-1 , P-2 , P-3)
-  Tuff
-  Mafic lava
-  Alkaline intrusive (shallow facies)
-  Alkaline intrusive (Deep facies)
-  Mineralized zone
-  Boundary of grain size of marble

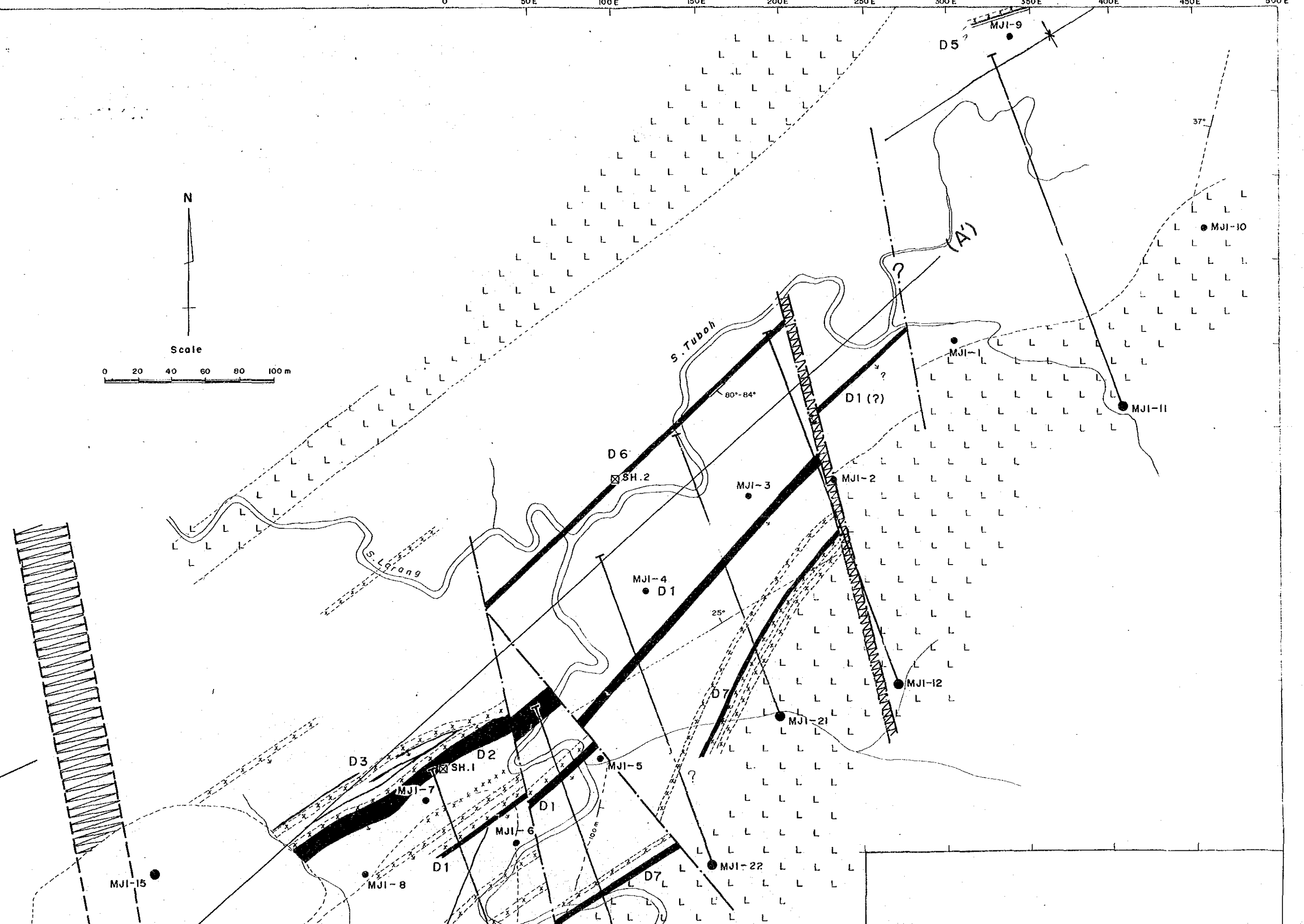
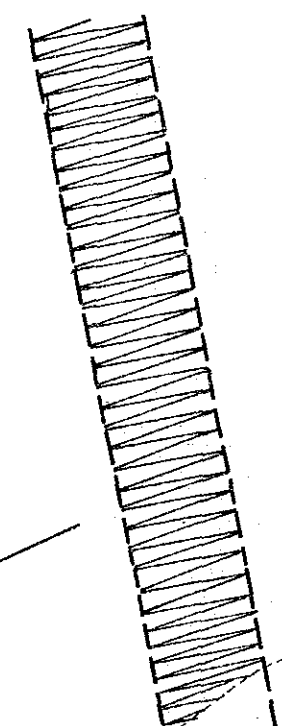
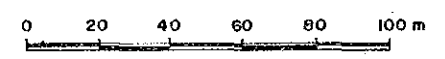


0 50E 100E 150E 200E 250E 300E 350E 400E 450E 500E

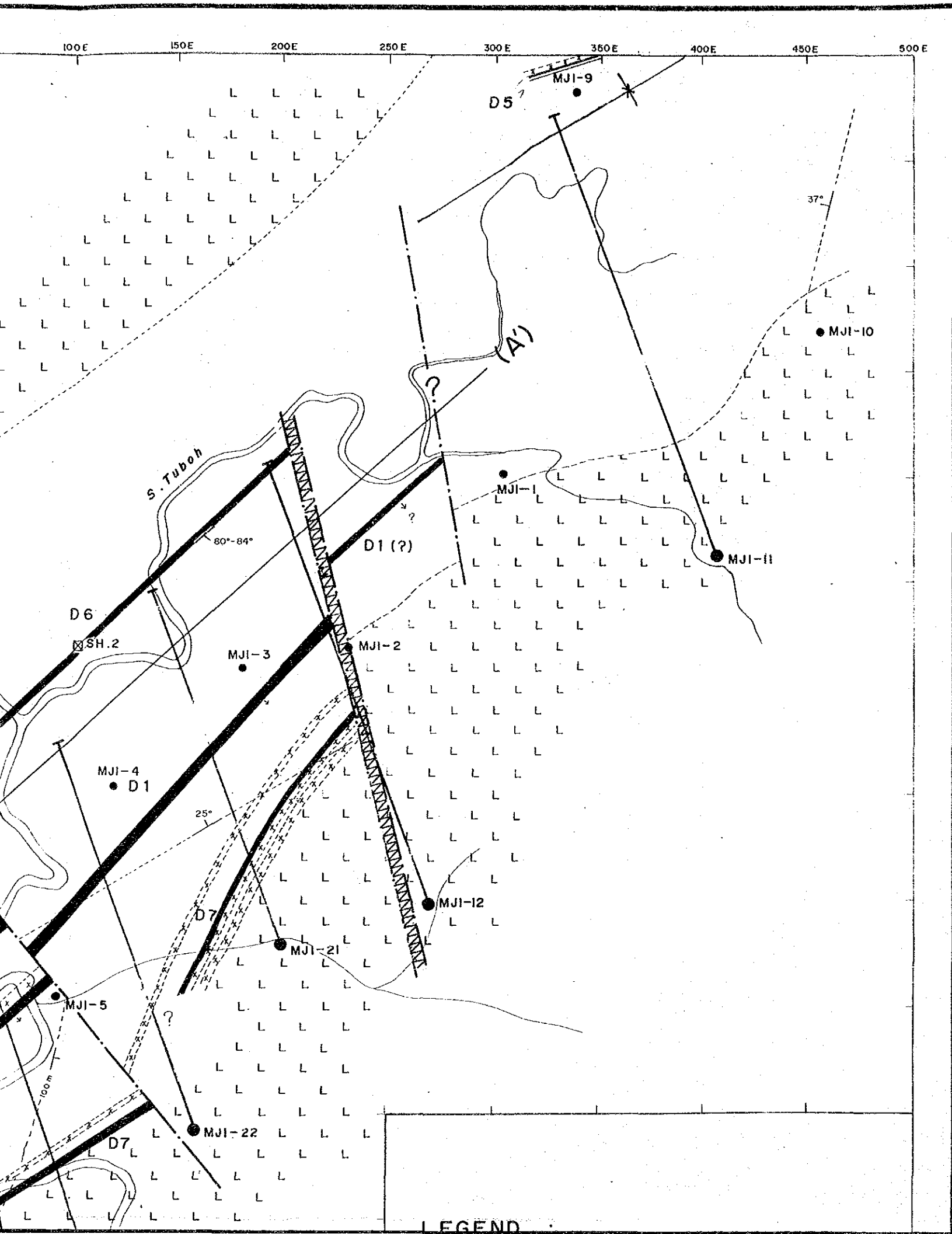
200 N
150 N
100 N
50 N
0
50 S
100 S



Scale



LEGEND

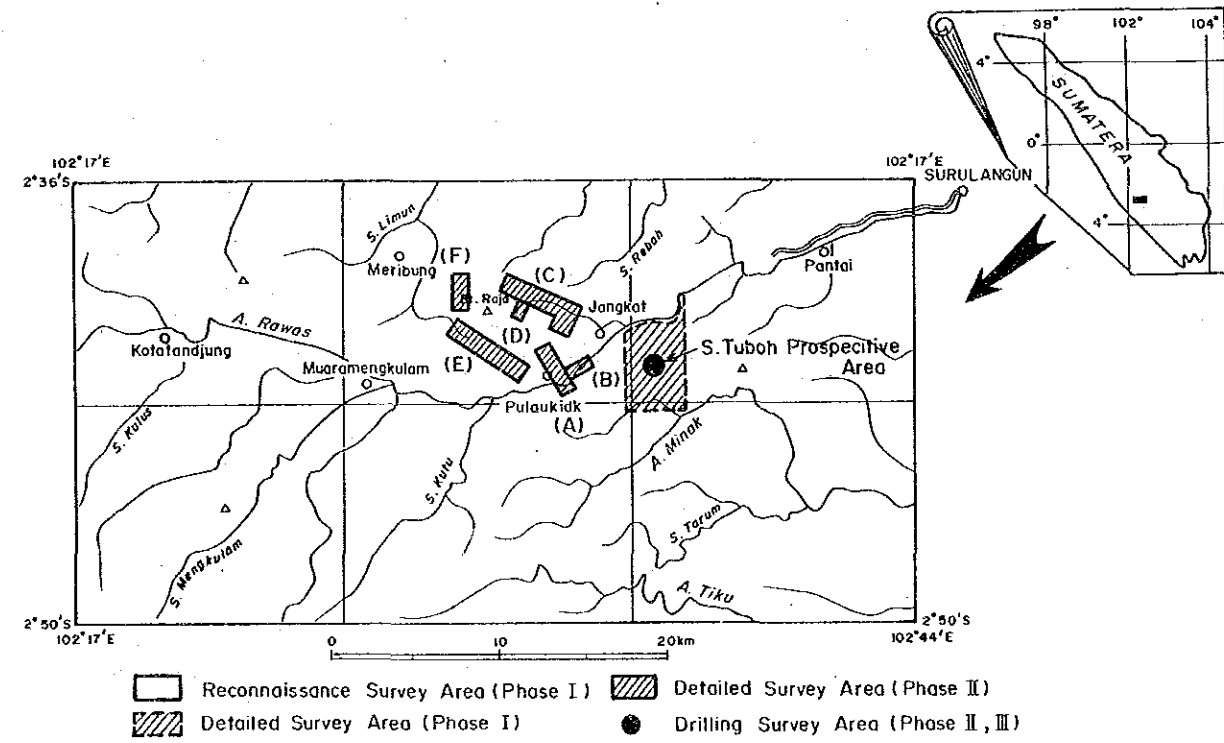


LEGEND

REPORT ON THE MINERAL EXPLORATION OF
SOUTHERN SUMATRA AREA, THE REPUBLIC OF INDONESIA
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DISTRIBUTION MAP OF MINERALIZATION
IN S. TUBOH
SOUTHERN SUMATRA
INDONESIA

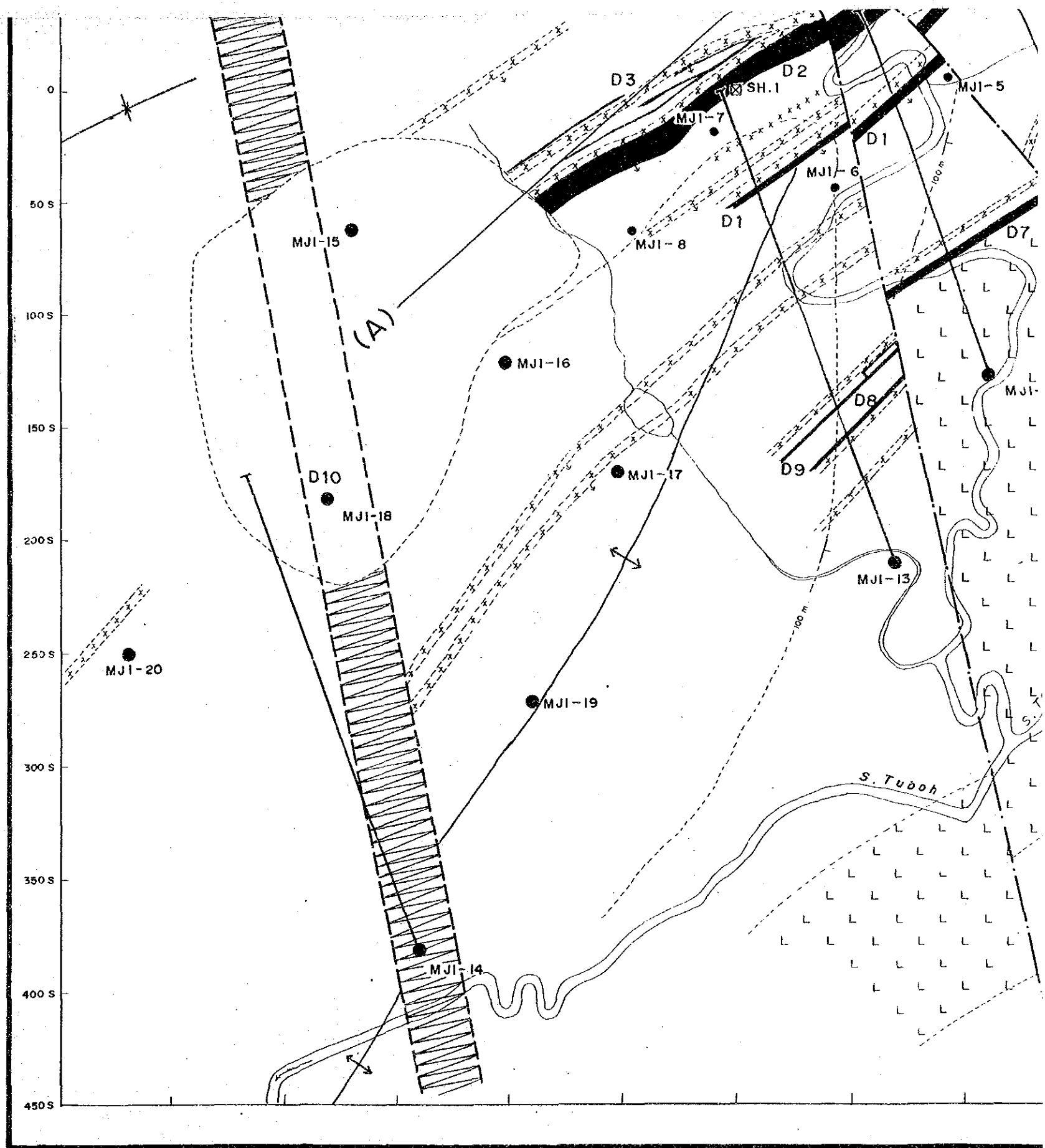
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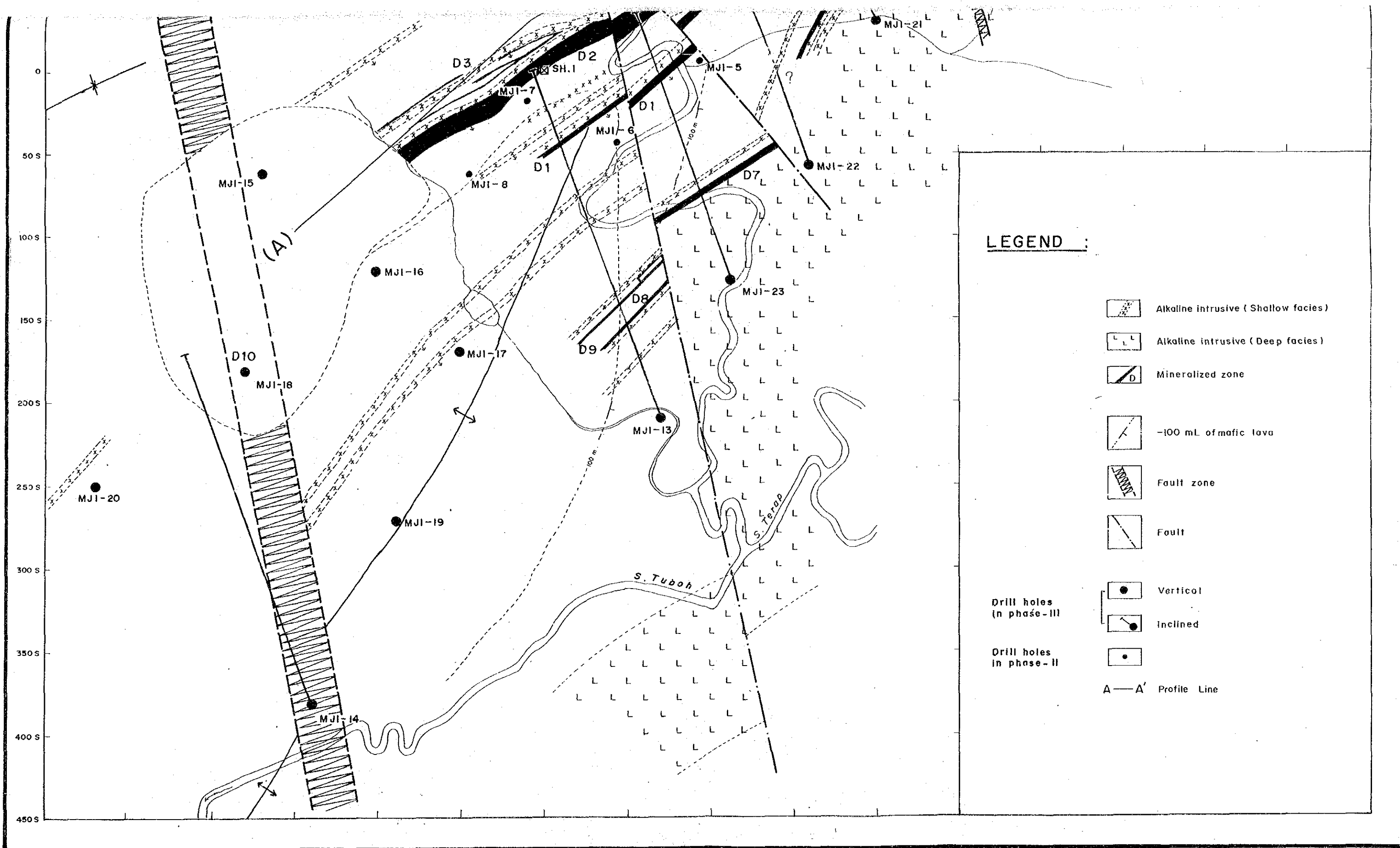


□ Reconnaissance Survey Area (Phase I) ▨ Detailed Survey Area (Phase II)
▩ Detailed Survey Area (Phase I) ● Drilling Survey Area (Phase II, III)











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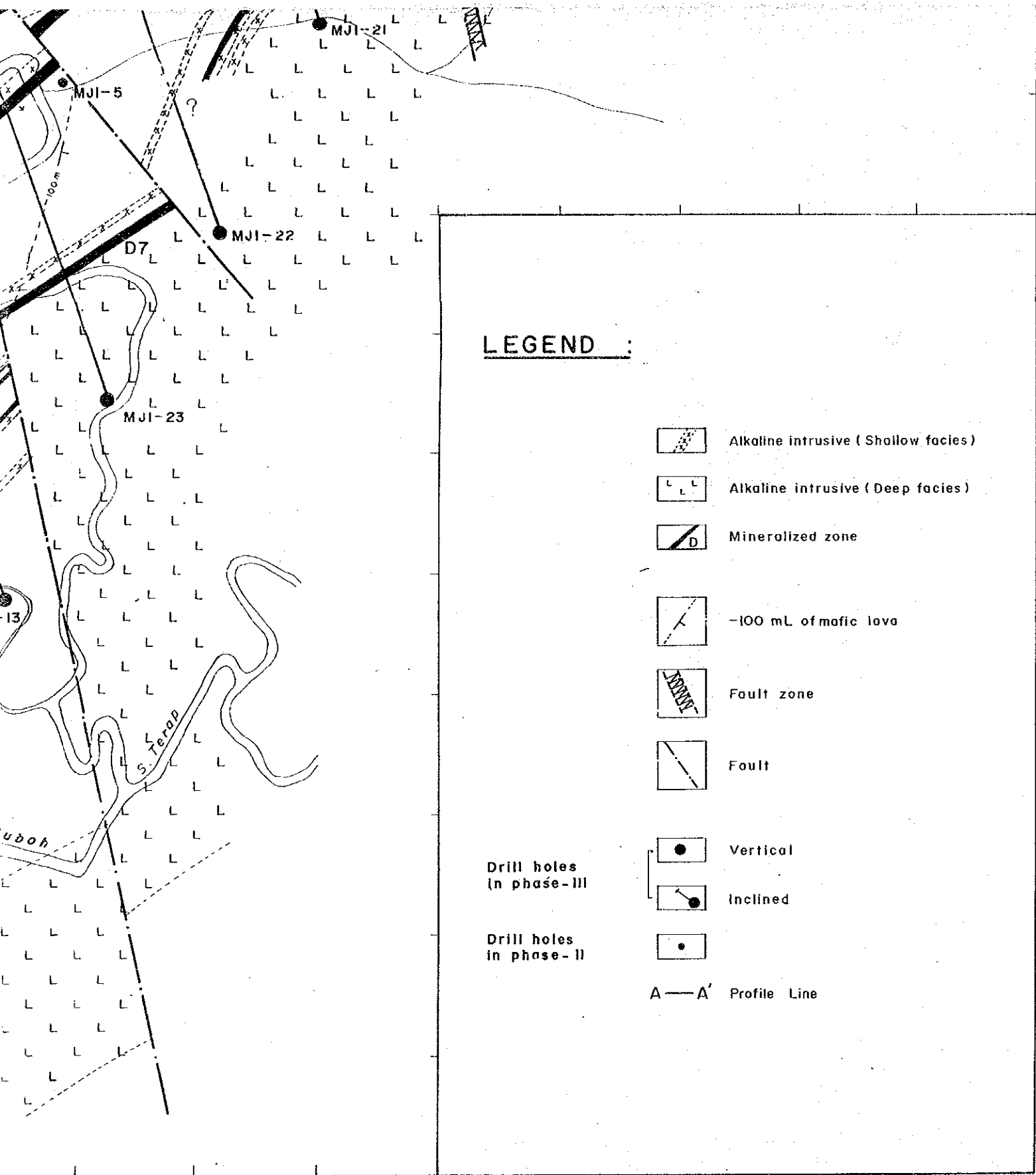
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METAL MINING AGENCY OF JAPAN















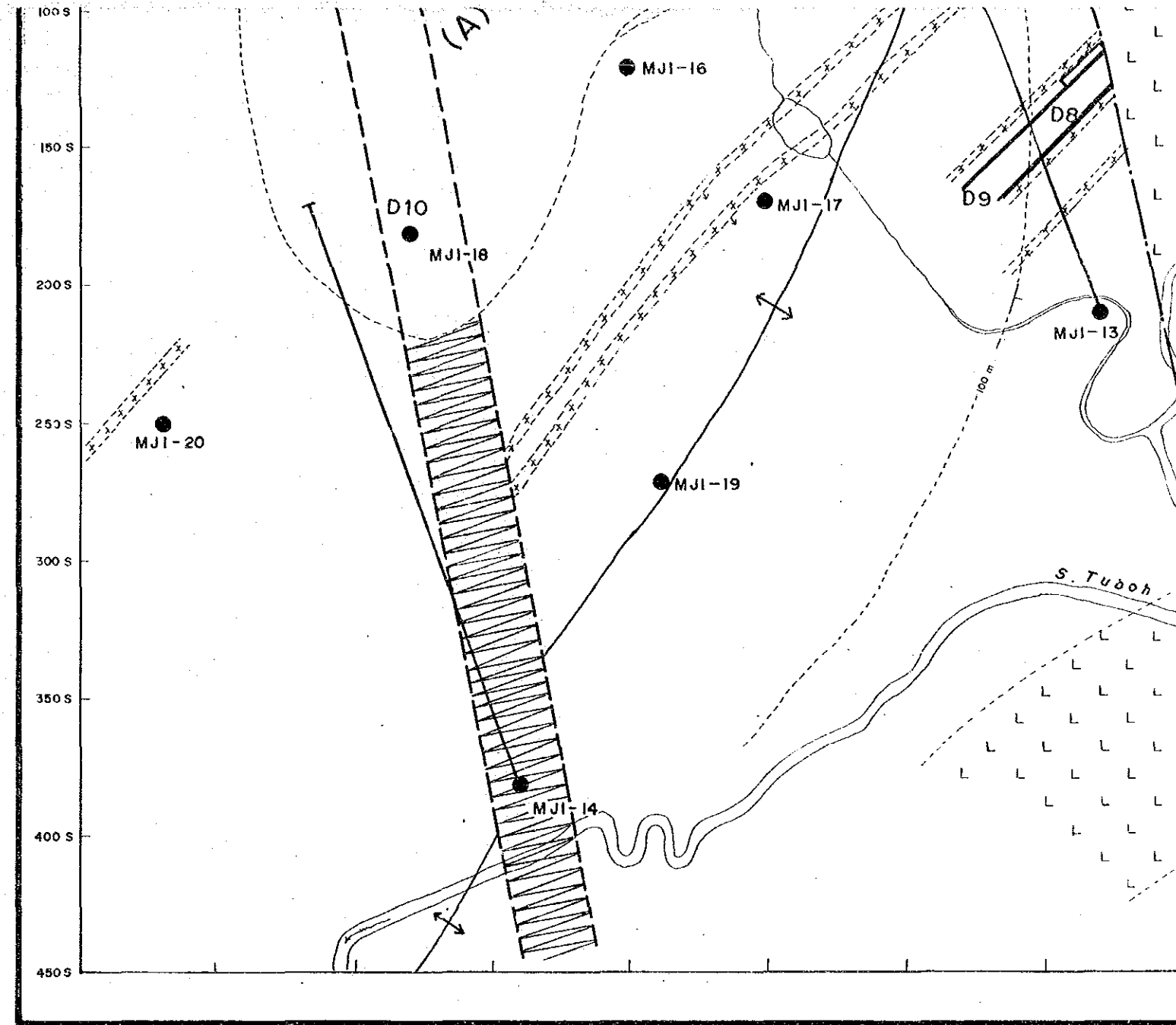
LEGEND :

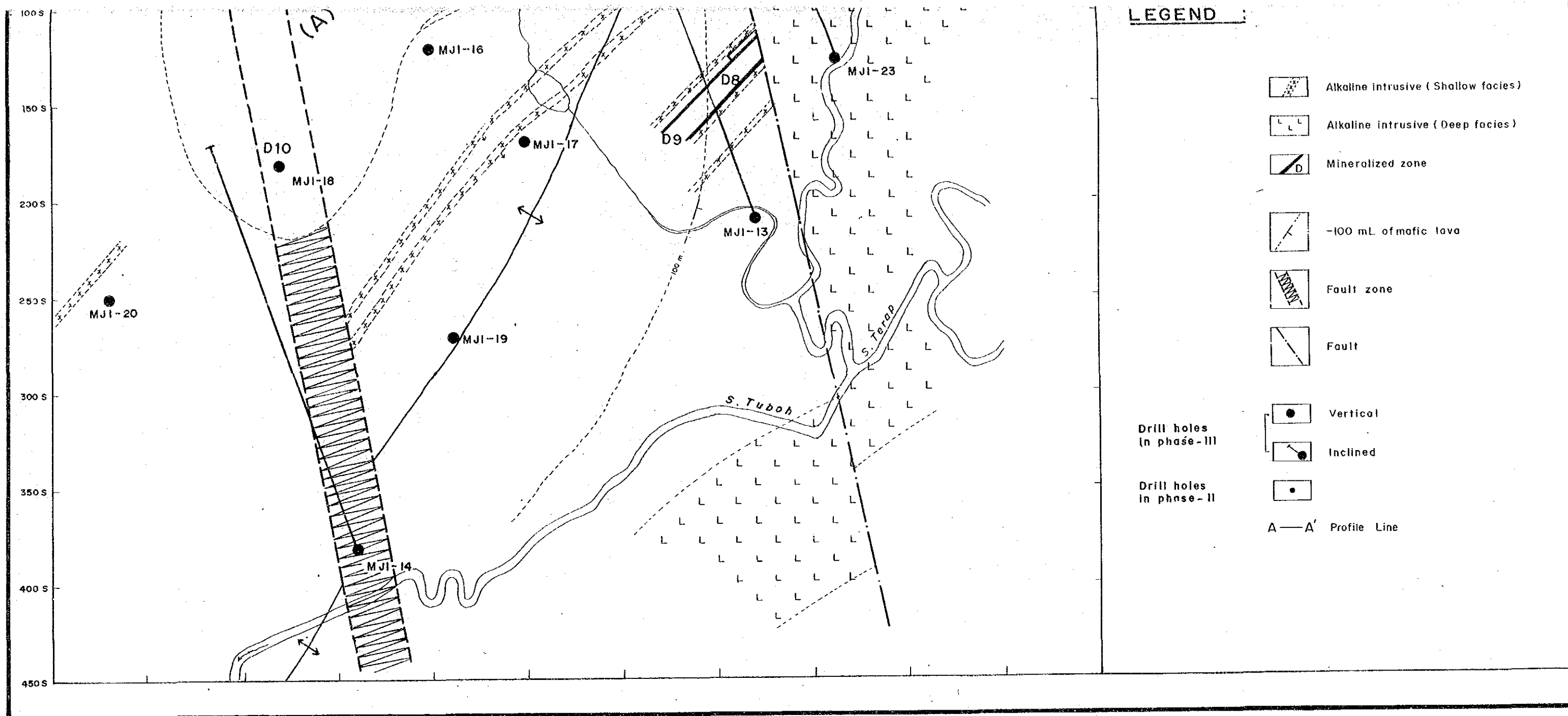
-  Alkaline intrusive (Shallow facies)
-  Alkaline intrusive (Deep facies)
-  Mineralized zone
-  -100 mL of mafic lava
-  Fault zone
-  Fault
-  Vertical
-  Inclined
-  Drill holes in phase-II
-  Profile Line



LEGEND :

-  Alkaline intrusive (Shallow facies)
-  Alkaline intrusive (Deep facies)
-  Mineralized zone
-  100 m of mafic lava
-  Fault zone
-  Fault
-  Vertical
-  Inclined
-  Drill holes in phase-II
-  A—A' Profile Line



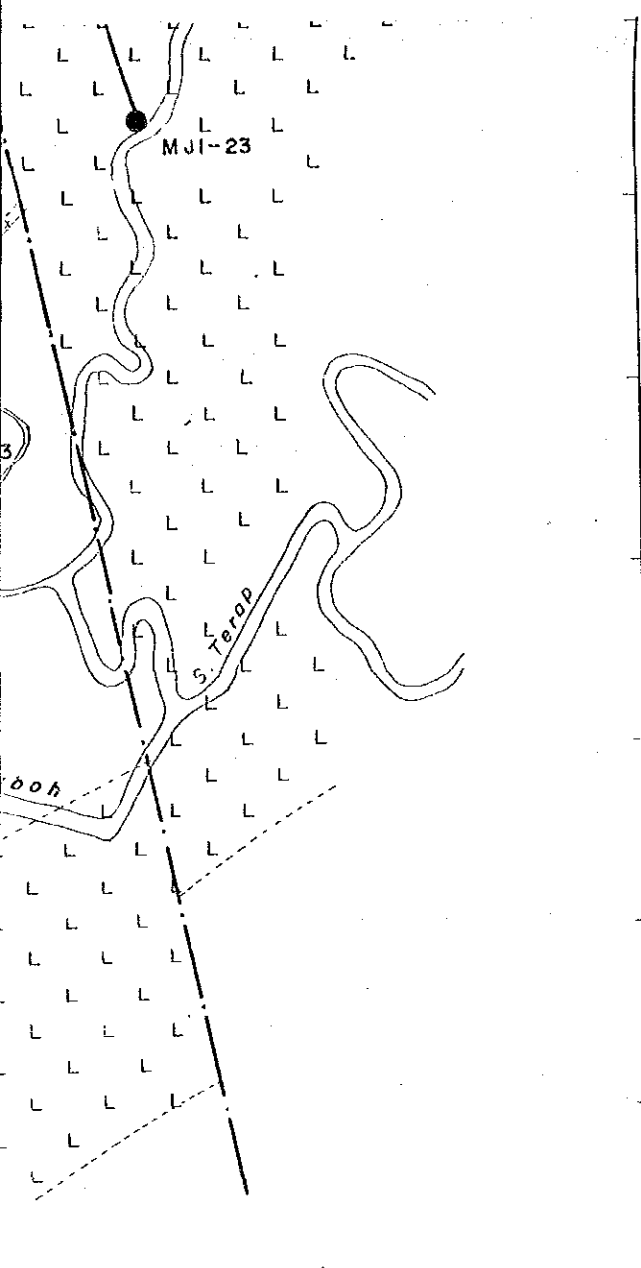


LEGEND :











- Alkaline intrusive (Shallow facies)
- Alkaline intrusive (Deep facies)
- Mineralized zone
- 100 mL of mafic lava
- Fault zone
- Fault
- Vertical
- Inclined
- Drill holes in phase-II
- A—A' Profile Line

Drill holes
in phase-III

Drill holes
in phase-II



LEGEND :

-  Alkaline intrusive (Shallow facies)
-  Alkaline intrusive (Deep facies)
-  Mineralized zone
-  -100 m of mafic lava
-  Fault zone
-  Fault
-  Vertical
-  Inclined
-  Drill holes in phase - II
-  A—A' Profile Line

Drill holes in phase - III

Drill holes in phase - II

