

## **PART II DETAILED DISCUSSIONS**

CONFIDENTIAL - SECURITY INFORMATION

## PART II DETAILED DISCUSSIONS

### Chapter 1 Drilling Exploration

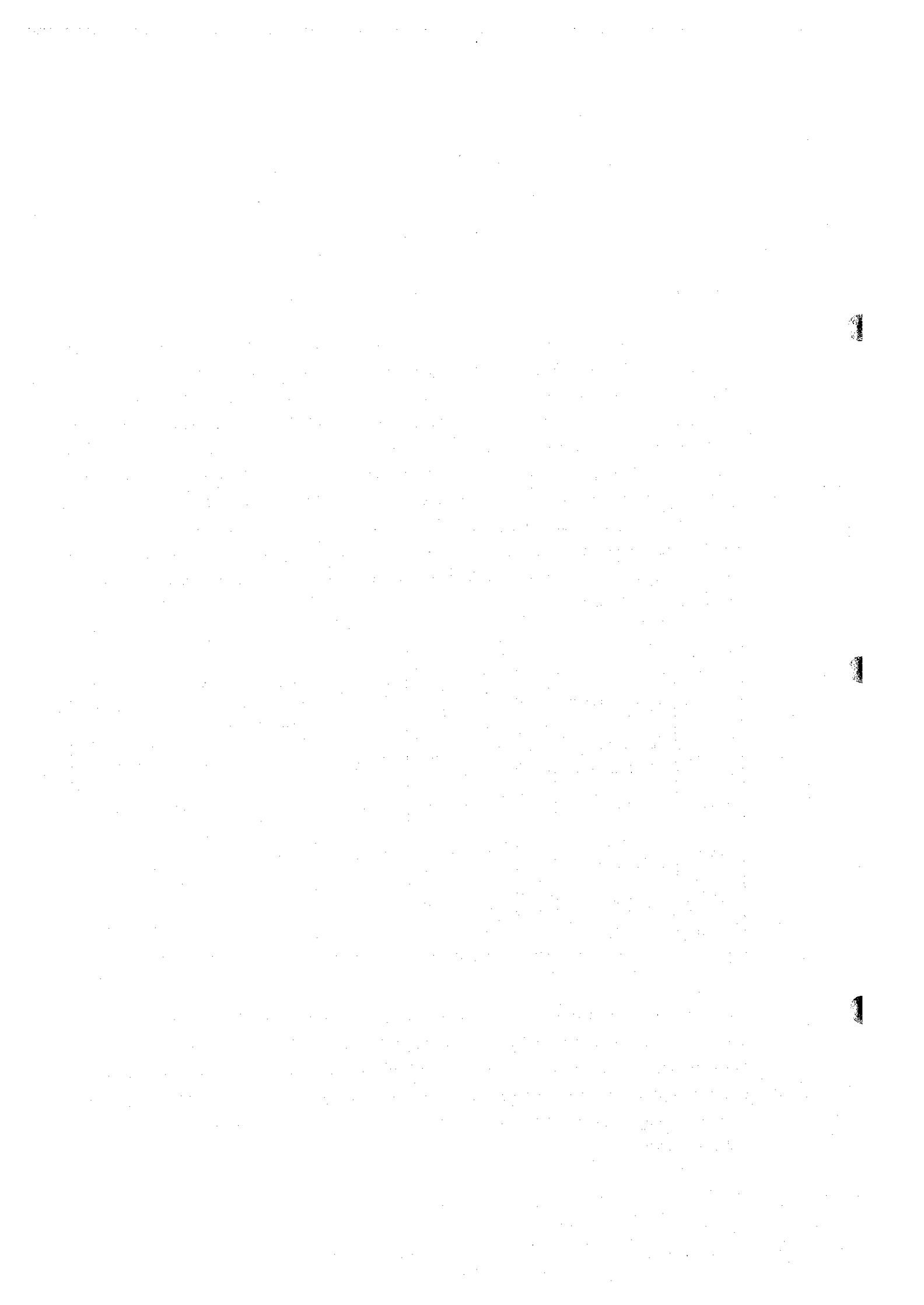
#### 1-1 Outline of Drilling

Following the reconnaissance drilling in the second phase, a diamond drilling program comprising four holes totaling 1,200 m was planned in the Da Mai and Ngan Me areas in the third phase. These holes were directed towards the significant geological/geochemical and geophysical anomalous zones. Magnificent gold mineralized zones at the Da Mai-Khe Dui prospect, which were defined by geological/geochemical and IP geophysical surveys were targeted by two holes -- MJVB-3 and 4. Significant gold mineralized zones at the Ba Khe prospect, which were also outlined by geological/geochemical and IP geophysical surveys were tested by two holes -- MJVB-5 and 6.

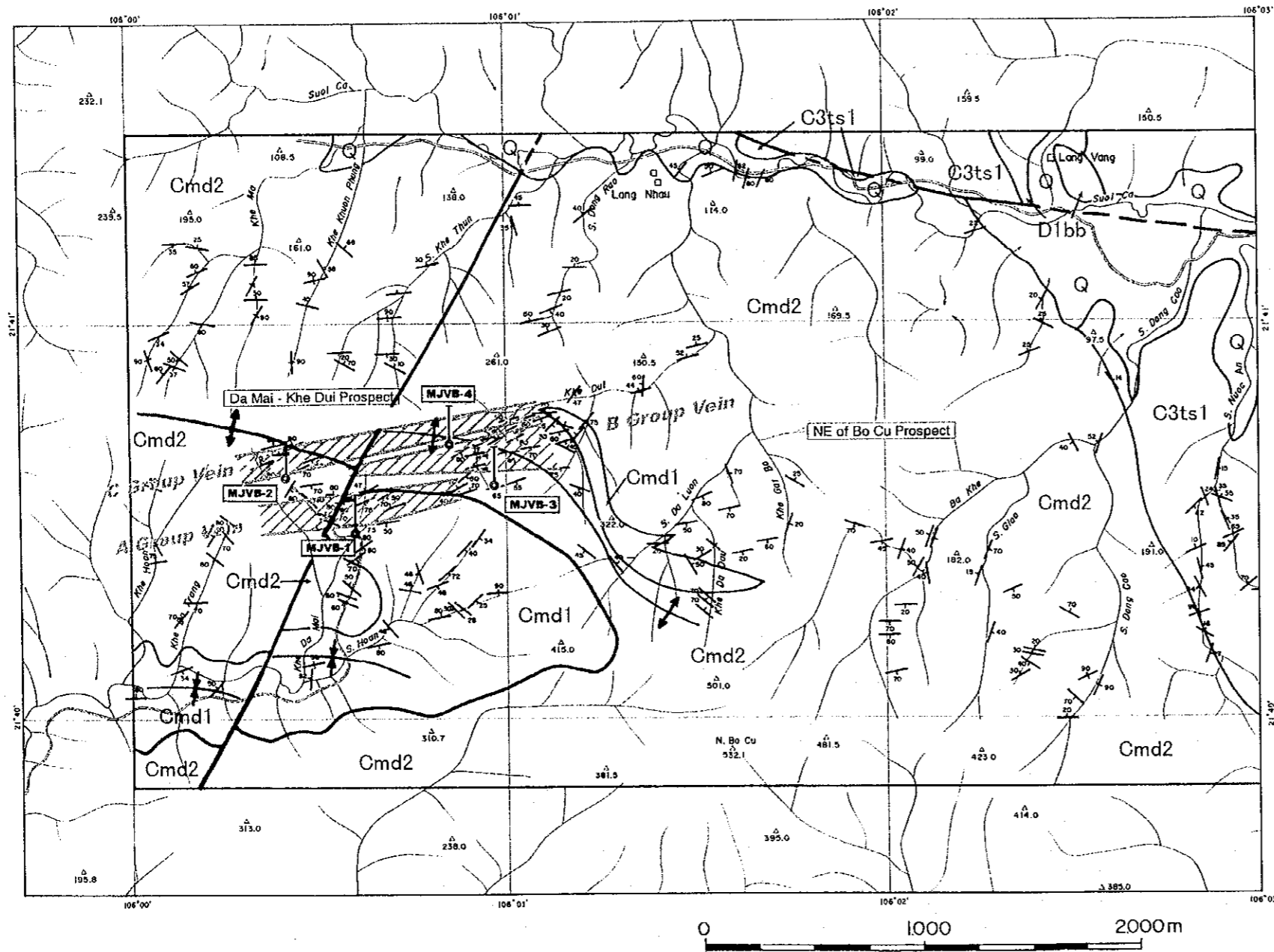
The drilling program was composed of four inclined holes of 300 m deep each. Target depths were set at 50 to 250 m from the surface. Four holes of 1,200.00 m in total length have been drilled in this phase. Details of each hole are summarized in the table below. The location map of drill holes is shown in Figs. 2-1 and 2-2.

Hole No.	Area & Prospect	Location	Latitude (N)	Longitude (E)	Elevation (m)	Azimuth	Inclination (°)	Length (m)
MJVB-3	Da Mai-Khe Dui (Da Mai Area)	Khe Dui Creek	21°40'34"	106°00'58"	320	N	-45	300.00
MJVB-4	Ditto	Khe Dui Creek	21°40'40"	106°00'50"	260	N	-45	300.00
MJVB-5	Ba Khe (Ngan Me Area)	Na Hon Creek	21°36'59"	106°00'26"	200	N	-45	300.00
MJVB-6	Ditto	Ba Khe Creek	21°37'11"	106°00'26"	200	N	-45	300.00
<b>Total</b>	4 holes							1,200.00

A series of drill logs of 1:200 scale was prepared, and the whole drill cores were photographed in color. A total of 101 samples for ore assay was obtained. Six elements (Au, Ag, Cu, Pb, Zn and Fe) were analyzed for ore assay. Twenty polished sections for ore microscopy and twenty thin sections for petrography were produced from the cores. Twenty-one altered rock and quartz samples were examined for X-ray powder diffraction analysis. Ten quartz samples were provided for fluid inclusion studies.



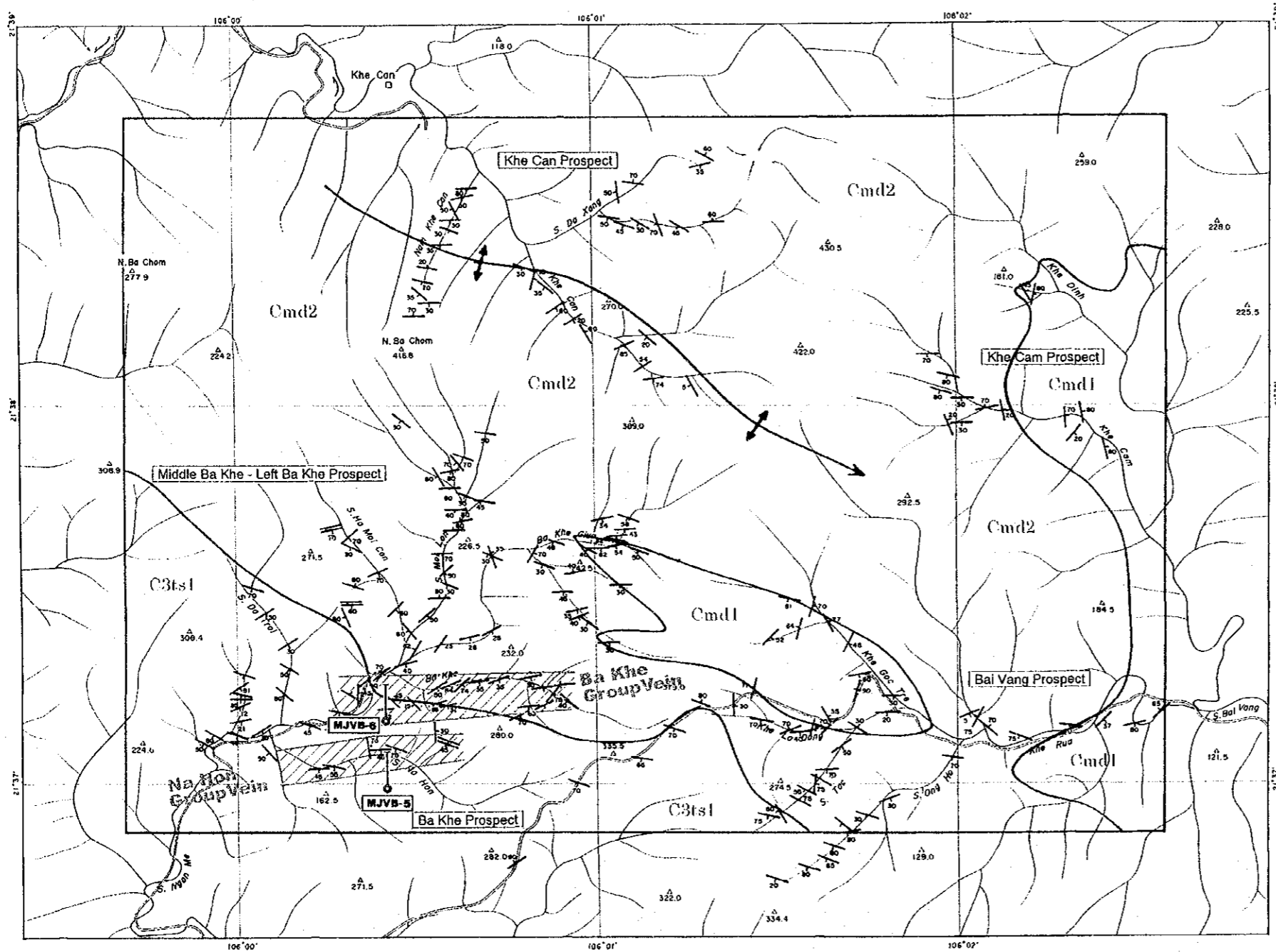




**LEGEND**

Quaternary	Q	Alluvial Deposits
Devonian	D1ml	Mia Le Formation
	D1bb	Bac Bun Formation
Cambrian	C3ts1	Lower Than Sa Formation
	Cmd2	Mo Dong Formation 2. Mainly composed of sandstone 1. Alternation of schist & sandstone
	Cmd1	
	—/—	Fault
	∧	Anticlinal Axis
	∩	Synclinal Axis
	—/—	Gold-bearing Quartz Vein
		Group of Vein
	⊥	Drill Hole (Phase II & III)

Fig. 2-1 Location Map of Drill Holes in the Da Mai Area



LEGEND

- Quaternary Q Alluvial Deposits
- Devonian D1ml Mia Le Formation
- D1bb Bac Bun Formation
- Cambrian C3ts1 Lower Than Sa Formation
- Cmd2 Mo Dong Formation  
2. Mainly composed of sandstone
- Cmd1 1. Alternation of schist & sandstone
- Fault
- Anticlinal Axis
- Synclinal Axis
- Gold-bearing Quartz Vein
- Group of Vein
- Drill Hole (Phase III)

Fig. 2-2 Location Map of Drill Holes in the Ngan Me Area





## **1-2 Method and Equipment**

### **Method**

For the near-surface weathered zone (2 to 4 m), drilling was normally done by PQ size metal bit (132 mm in diameter) with inserting of PW drive pipes (146 mm in inner diameter). Weakly weathered bedrock and the upper part of bedrock zone (down to 100 to 150 m) were drilled by the conventional drilling method using HQ size diamond bit (91 mm in diameter). The weakly weathered bedrock continued to 20 to 40 m deep. Reaming at 117 mm in diameter was done by using diamond or metal bit, and HW casing pipes (108 mm in inner diameter) were inserted in this zone. For the upper part of bedrock zone, NW casing pipes (89 mm in inner diameter) were inserted down to approximately 100/150 m. From 100/150 m to 300 m (the end of hole), drilling was made with NQ size diamond bit (76 mm in diameter) and NQ-WL core tube. Bentonite clay, polymer (CMC) and NaOH (pH adjustment agent) were usually mixed in the circulating drilling water. When the water was lost at a depth where fractures were developed, a natural fibrous material (commercial name is GPC made in China) was injected to recover the trouble. When the fracture was significantly wide, half-solid bentonite clay was inserted. In the case of MJVB-6 in which some old workings were caught during drilling, the cementation and casing method was applied to recover the circulating water.

### **Equipment**

A set of Russian ZIF-650M drilling machine, a set of Long-Year L-38 drilling machine and two sets of Russian NB-3 drilling pumps were brought into operation in this exploration. One drill rig was a Vietnamese domestic-made angled tripod-type for the ZIF-650M machine. Another one was a ladder-type rig equipped with the L-38 machine. Specifications of drilling machine and equipment are shown in Table 2-1. Diamond bits and expendable items used during the drilling are listed in Tables 2-2 and 2-3 respectively.

### **Working System**

Drilling operation was carried out by three shifts per day (8 hours per shift), while the appurtenant works, such as rig construction, mobilization and demobilization, were done by one shift per day (8 to 10 hours). A shift crew consisted of one drilling engineer and three to four workers normally. Additional twenty workers (round figures) were involved in case of the appurtenant work. A series of base camps for drilling operation were built at the foot of creeks.

Table 2-1 Specifications of Drilling Machine and Equipment

Drilling Machine : Model ZIF-650M (Russian)	1 set
Capacity	800 m (BQ nominal)
Dimensions (L, W, H)	3,400 - 1,050 - 1,950 mm
Weight	3,800 kg (+ engine 1,500 kg)
Hoisting Capacity	5,000 kg
Spindle Speed	100, 200, 400, 800 rpm
Engine : Model DT75 (Russian)	54.0 ps/1,800 rpm
Drilling Machine : Boart Longyear LY38	1 set
Capacity	600 m (BQ nominal)
Dimensions (L, W, H)	2,550 - 1,400 - 1,600 mm
Weight	3,500 kg (+ engine 1,200 kg)
Hoisting Capacity	5,000 kg
Spindle Speed	100, 200, 400, 800 rpm
Engine : Deutz F4L912	49 kw/2,300 rpm
Drilling Pump : Model NB-3	2 sets
Plunger Type	3 plunger lateral
Capacity	90 l/min (discharge)
Dimensions (L, W, H)	1,800 - 700 - 900 mm
Weight	500 kg (+ engine 120 kg)
Engine : Model S1100AN (Chinese)	12.1 kw/2,200 rpm
Wireline Hoist : Model Zabog	1 set
Drum Diameter	120 mm
Rope Capacity	1,200 m (6 mm diameter rope)
Dimensions (L, W, H)	870 - 1,030 - 780 mm
Weight	530 kg (including motor)
Motor : Model 4A112MY3	5.5 kw/1,450 rpm
Water Supply Pump: Model BW250/50 (Russian)	2 sets
Plunger Type	3 plunger lateral
Capacity	250 l/min (discharge)
Dimensions (L, W, H)	1,100 - 1,100 - 900 mm
Weight	500 kg (excluding engine)
Engine : Model H1105WAN (Chinese)	18.0 ps/1,800 rpm
Derrick : Model INTERGEO	1 set
Height	10.4 m
Maximum Load Capacity	5,000 kg
Derrick : Longyear	1 set (assembled with drilling machine)
Height	10 m
Maximum Load Capacity	5,000 kg
Mud Mixer : Model INTERGEO	2 sets
Capacity	0.75 m <sup>3</sup> /800 rpm
Engine : Model S1100AN (Chinese)	12.1 kw/2,200 rpm
Generator : Model ESS5 (Russian)	2 sets
Capacity	10 kw (220 V)
Drilling Tools	
Drilling Rods	HQ 6.2 m - 57 pcs NQ-WL 4.8 m - 70 pcs
Casing Pipes	146 mm 1.5 m - 4 pcs HW CP 3.0 m - 32 pcs NW CP 3.0 m - 71 pcs
Core Tubes	HQ 3.0 m - 10 pcs NQ-WL 3.0 m - 10 pcs

Table 2-2 Drilling Meterage and Diamond Bit Consumption

Item	Size	Bit No.	Drilling Meterage/Each Bit				Total (m)	
			MJVB-3	MJVB-4	MJVB-5	MJVB-6		
Diamond Bit	HQ	#309801	6.72				6.72	
		#309802	5.88				5.88	
		#309803	11.67				11.67	
		#309804	18.68				18.68	
		#309805	16.20				16.20	
		#309806	13.45				13.45	
		#309807		10.65			10.65	
		#309808		15.30			15.30	
		#309809		14.70			14.70	
		#309810		18.00			18.00	
		#309811		25.75			25.75	
		#309812		18.00			18.00	
		#309813		17.50			17.50	
		#309814		19.35			19.35	
		#309815				33.50		33.50
		#309816				15.60		15.60
		#309817				21.00		21.00
		#309818					51.25	51.25
	Subtotal		72.60	139.25	70.10	51.25	333.20	
	Average						18.51	
	NQ	#409801	31.40				31.40	
		#409802	73.00				73.00	
		#409803	44.55				44.55	
		#409804	48.45				48.45	
		#409805		21.90			21.90	
		#409806		34.00			34.00	
		#409807		30.25			30.25	
		#409808		60.25			60.25	
		#409809				6.00		6.00
		#409810				30.70		30.70
		#409811				80.20		80.20
		#409812				66.30		66.30
		#409813				12.90		12.90
		#409814					5.90	5.90
#409815						48.40	48.40	
#409816						72.95	72.95	
#409817					35.15	35.15		
#409818					32.60	32.60		
Subtotal		197.40	146.40	196.10	195.00	734.90		
Average						40.83		
Metal Bit	PQ	M201	11.00				11.00	
		M202	9.00				9.00	
		M203		14.35			14.35	
		Subtotal	20.00	14.35	0.00	0.00	34.35	
		Average					11.45	
	HQ	M301	10.00				10.00	
		M302			33.80		33.80	
		M303				23.50	23.50	
		M304				30.25	30.25	
		Subtotal	10.00	0.00	33.80	53.75	97.55	
Average					24.39			

Table 2-3 Consumption of Expendable Items

Expendable Items	Spec.	Unit	Drill Hole No.						Total Amount
			MJVB-3	MJVB-4	MJVB-5	MJVB-6	MJVB-6		
Diesel Fuel		l	3,380	4,300	3,250	3,940	14,870		
Hydraulic Oil		l	30	20	25	28	103		
Engine Oil		l	58	73	64	51	246		
Grease		l	36	37	34	29	136		
Cement		kg	0	0	200	600	800		
Bentonite		kg	6,700	7,300	9,000	19,000	42,000		
Polymer		kg	90	93	88	137	408		
NaOH		kg	66	64	57	69	256		
Diamond Bit	HQ	pcs	6	8	3	1	18		
Diamond Bit	NQ	pcs	4	4	5	5	18		
Metal Bit	PQ	pcs	2	1	0	0	3		
Metal Bit	HQ	pcs	1	0	1	2	4		
Reamer	PQ	pcs	1	1	0	0	2		
Reamer	HQ	pcs	2	2	2	1	7		
Reamer	NQ	pcs	4	4	3	5	16		
Core Assembly	HQ	pcs	2	2	1	1	6		
Core Assembly	NQ	pcs	2	1	6	2	11		
Core Lifter	HQ	pcs	4	6	2	2	14		
Core Lifter	NQ	pcs	6	4	7	6	23		
Inner Tube	HQ	pcs	2	2	1	2	7		
Inner Tube	NQ	pcs	6	4	6	6	22		
Wireline Cable		m	500	600	400	300	1,800		
Core Box		pcs	60	60	60	60	240		

## **Transportation**

The drilling machine and equipment were transported to the survey area by a convoy of 7-ton trucks and 12-ton trucks. A couple of 4-WD trucks (2 to 5 tons in capacity) and a bulldozer were chartered for the transportation of drilling machine and equipment from the main road to the drilling sites through a series of roads which was constructed for this drilling purpose for about 4 km in total. The transportation from the Da Mai area to the Ngan Me area was carried out by a series of trucks and bulldozer.

Supply for the camp was made a couple of times in a week. Fuel and foods were bought at Thai Nguyen, and were transported by chartered cars.

## **Drilling Water**

Water for drilling was pumped up from the middle reaches of creeks to the drilling sites via pipelines whose length was about 2 km for each area. The difference of altitudes between pumping station to the drilling sites was nearly 200 m. Mud water was also prepared in that pumping station, and sent through the pipeline to the drilling sites.

## **Withdrawal**

After the completion of drilling program, the machine and equipment were withdrawn by trucks through the route to Hanoi via Thai Nguyen. The drill holes were capped, and drilling sites were cleaned and reclaimed. The drilling cores, of which some part was taken for assay samples, were kept in the storage house in the office of the NE Geological Division of DGMV, Thai Nguyen.

## **1-3 Progress of Drilling**

The progress of each drill hole is described below. The summary of working time (Table 2-4), records of drilling operation (Tables 2-5 to 2-8), records of drilling performance (Tables 2-9 to 2-12), and charts of drilling progress (Figs. 2-3 to 2-6) are shown in tables and figures.

**MJVB-3:** For the near-surface weathered zone (3.50 m), drilling was done by PQ size metal bit (132 mm in diameter) with inserting of drive pipes (146 mm in inner diameter). Weakly weathered bedrock and the upper part of bedrock zone (down to 100 m) were drilled by the conventional drilling method using HQ size diamond bit (91 mm in diameter) for the maximum core recovery. The weakly weathered bedrock continued to 20 m deep. Reaming at 117 mm in diameter was done by using

diamond and metal bits, and HW casing pipes (108 mm in inner diameter) were inserted in this zone (20.00 m). For the upper part of bedrock zone, NW casing pipes (89 mm in inner diameter) were inserted down to 102.60 m. From 102.60 m to 300 m (the end of hole), drilling was made with NQ size diamond bit (76 mm in diameter) and NQ-WL core tube.

Bentonite clay, polymer (CMC) and NaOH (pH adjustment agent) were usually mixed in the circulating drilling water. The circulating water was lost in the hole at 32.30 and 117.45 m where fractures were developed.

Drill hole survey was made using a Toropali survey instrument. The results of survey for inclination were: -45° at 0 m, -48° at 100 m, -51° at 200 m, and -56° at 300 m. The recovery of cores was 99 % in total because of careful drilling operation.

**MJVB-4:** For the near-surface weathered zone (3.00 m), drilling was done by PQ size metal bit (132 mm in diameter) with inserting of drive pipes (146 mm in inner diameter). Weakly weathered bedrock and the upper part of bedrock zone (down to 150 m deep) were drilled by the conventional drilling method using HQ size diamond bit (91 mm in diameter) for the maximum core recovery. The weakly weathered bedrock continued to 14 m deep. Reaming at 117 mm in diameter was done by using diamond and metal bits, and HW casing pipes (108 mm in inner diameter) were inserted in this zone (14.35 m). For the upper part of bedrock zone, NW casing pipes (89 mm in inner diameter) were inserted down to 153.60 m.

From 153.60 m to 300 m (the end of hole), drilling was made with NQ size diamond bit (76 mm in diameter) and NQ-WL core tube.

Bentonite clay, polymer (CMC) and NaOH were usually mixed in the circulating drilling water. No water loss has been recorded during drilling.

Drill hole survey was made using a Toropali survey instrument. The results of survey for inclination were: -45° at 0 m, -50° at 100 m, -55° at 200 m, and -51° at 300 m. The overall core recovery was 99.9 % in this hole.

**MJVB-5:** For the near-surface weathered zone (3.50 m), drilling was done by PQ size diamond bit (132 mm in diameter) with inserting of drive pipes (146 mm in inner diameter). Weakly weathered bedrock and the upper part of bedrock zone (down to 100 m deep) were drilled by the conventional drilling method using HQ size diamond bit (91 mm in diameter) for the maximum core recovery. The weakly weathered bedrock continued to 40 m deep. Reaming at 117 mm in diameter was done by using diamond and metal bits, and HW casing pipes (108 mm in inner diameter) were inserted in this zone (40.00 m). For the upper part of bedrock zone, NW casing pipes (89 mm in inner diameter) were inserted down to 103.90 m.

From 103.90 m to 300 m (the end of hole), drilling was made with NQ size diamond bit (76 mm in diameter) and NQ-WL core tube.

Bentonite clay, polymer (CMC) and NaOH were usually mixed in the circulating drilling water. The circulating water was lost in the hole at 27.00 and 76.30 m where fractures were developed.

Drill hole survey was made using a Toropali survey instrument. The results of survey for inclination were: -45° at 0 m, -48° at 100 m, -41° at 200 m, and -37° at 300 m. The overall core recovery was 99.6 % in this hole.

**MJVB-6:** For the near-surface weathered zone (2.80 m), drilling was done by 152 mm metal shoe with inserting of drive pipes (146 mm in inner diameter). Weakly weathered bedrock and the upper part of bedrock zone (down to 99.70 m in depth) were drilled by the conventional drilling method using HQ size diamond bit (91 mm in diameter) for the maximum core recovery. The weakly weathered bedrock continued to nearly 90 m deep. A silicified and clayey zone with some fractures was caught at around 33 m. Moreover, the drill hole met three old workings at depths of 22.60 – 23.00, 41.00 – 42.55 and 54.35 – 55.00 m. Drilling water was totally lost in these depths. Reaming at 152 mm in diameter was done by using diamond and metal bits firstly, and 146 mm casing pipes were extended to 28.00 m. Reaming at 136 mm in diameter was done next, and 127 mm casing pipes were inserted to 46.50 m. Reaming at 117 mm in diameter was done lastly, and 108 mm casing pipes were inserted to 86.30 m.

From 99.70 m to 300 m (the end of hole), drilling was made with NQ size diamond bit (76 mm in diameter) and NQ-WL core tube. For the upper part of bedrock zone, NW casing pipes (89 mm in inner diameter) were inserted down to 140.20 m with reaming at 94 mm.

Bentonite clay, polymer (CMC) and NaOH were usually mixed in the circulating drilling water. In the deeper part where water escaped along significant fractures, GPC was added with normal bentonite-polymer mud to stop the water loss in this hole.

Drill hole survey was made using a Toropali survey instrument. The results of survey for inclination were: -45° at 0 m, -52° at 100 m, -49° at 200 m, and -47° at 300 m. The core recovery was 99 % in this hole in total.

Table 2-4 Summary of Working Time

	Bit Size	Drill Hole No.						Total
		MJVB-3	MJVB-4	MJVB-5	MJVB-6			
Drilling		PQ/HQ/NQ	PQ/HQ/NQ	PQ/HQ/NQ	PQ/HQ/NQ	PQ/HQ/NQ	PQ/HQ/NQ	
Drilling Length	(m)	300.00	300.00	300.00	300.00	300.00	1200.00	
Core Length	(m)	296.30	299.68	298.80	295.49	295.49	1190.27	
Shift								
Drilling Shift	(shift)	60	67	75	96	96	298	
Total Shift**	(shift)	77	81	82	104	104	344	
Man Working*								
Engineer**	(man)	216	216	192	240	240	864	
Worker**	(man)	456	457	384	480	480	1777	
Drilling	(h)	264.00	272.00	232.00	293.00	293.00	1061.00	
Other Work	(h)	216.00	264.00	368.00	475.00	475.00	1323.00	
Subtotal	(h)	480.00	536.00	600.00	768.00	768.00	2,384.00	
Assemblage	(h)	16.00	16.00	16.00	16.00	16.00	64.00	
Dismantlement	(h)	8.00	8.00	8.00	8.00	8.00	32.00	
Transportation & Others*	(h)	112.00	88.00	32.00	40.00	40.00	272.00	
Grand Total	(h)	616.00	648.00	656.00	832.00	832.00	2,752.00	

\*Geological logging inclusive

\*\*Road construction exclusive



Table 2-5 Record of Drilling Operation (MJVB-3)

Date	M	D	Hole No.	Drilling Length			Drilling Total			Shift		Man Working				
				Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	Drilling (m)	Core (m)	Core (cum m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)			
8	28		MJVB-3	Transportation												
	29			Transportation												
	30			Transportation												
	31			Transportation												
9	1			Transportation												
	2			Transportation												
	3			Transportation												
	4			Transportation												
	5			Transportation												
	6			Transportation												
	7			Assemblage	11.00		11.20	22.20	21.25	21.25	21.25					
	8			Assemblage	6.35	4.45	7.40	18.20	16.95	40.40	16.95					
	9				6.72	5.88	6.80	19.40	19.40	59.80	19.40					
	10				4.87	6.13	6.60	17.60	17.60	77.40	17.60					
	11				5.95	5.20	5.55	16.70	16.60	94.10	16.60					
	12			Reaming/Casing	8.50	Reaming/Casing	8.50	102.60	8.50	102.60	8.50					
	13			Reaming/Casing	7.40	Reaming/Casing	7.60	0.00	0.00	102.60	0.00					
	14			Reaming/Casing	0.00	7.40	7.60	15.00	14.86	117.60	14.86					
	15				6.50	8.00	8.40	16.40	16.14	134.00	16.14					
	16				6.10	6.90	7.30	20.70	20.70	154.70	20.70					
	17				12.30	7.10	5.95	19.15	19.15	173.85	19.15					
	18				13.00	9.15	11.70	33.15	32.15	207.00	32.15					
	19				6.00	6.00	9.00	28.00	28.00	235.00	28.00					
	20				1.55	4.60	1.40	12.00	12.00	247.00	12.00					
	21				4.00	4.00	1.45	7.00	7.00	254.00	7.00					
	22				5.40	4.00	9.00	17.00	17.00	271.00	17.00					
	23				7.50	7.60	2.00	15.00	15.00	286.00	15.00					
	24				6.50	0.00	0.00	7.50	7.50	293.50	7.50					
	25			Surveying	6.50	0.00	0.00	6.50	6.50	300.00	6.50					
	26			Casing take-out		Casing take-out										
	27			Casing take-out		Casing take-out										
	28			Dismantlement												
	29			Transportation												
	30			Transportation												
10	1			Transportation												
	2			Transportation												
	3			Transportation												
Total								300.00		296.30		60	77	216	456	

Table 2-6 Record of Drilling Operation (MJVB-4)

Date	Hole No.	Drilling Length			Drilling Total			Shift		Man Working	
		Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	Drilling (m)	Core (m)	Core (cum m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)
8/28	MJVB-4	Transportation									
29		Transportation									
30		Transportation									
31		Transportation									
9/1		Transportation									
2		Transportation									
3		Transportation									
4		Assemblage									
5		Assemblage									
6		4.70	8.95	2.95	16.60	16.60	16.60				
7		8.40	8.00	7.30	23.70	40.30	40.30				
8		4.30	6.60	3.80	14.70	55.00	55.00				
9		5.00	5.00	7.70	17.70	72.70	72.70				
10		6.15	5.00	7.15	18.30	91.00	91.00				
11		6.60	5.40	7.70	19.70	110.70	110.70				
12		6.05	3.25	6.00	15.30	126.00	126.00				
13		4.00	5.00	5.25	14.25	140.25	140.25				
14		1.70	Reaming/Casing	Reaming/Casing	1.70	141.95	141.95				
15		Reaming/Casing	Reaming/Casing	Reaming/Casing	0.00	141.95	0.00	141.95			
16		3.50	1.10	2.30	6.90	148.85	6.90	148.85			
17		6.15	0.00	Reaming/Casing	6.15	155.00	6.15	155.00			
18		Reaming/Casing	Reaming/Casing	2.70	2.70	157.70	2.70	157.70			
19		3.60	6.20	8.00	17.80	175.50	17.80	175.50			
20		4.50	5.00	5.00	14.50	190.00	14.40	189.90			
21		7.80	6.20	8.45	22.45	212.45	22.35	212.25			
22		8.75	7.00	6.60	22.35	234.80	22.35	234.60			
23		7.00	7.90	3.60	18.50	253.30	18.50	253.10			
24		3.60	6.00	8.75	18.35	271.65	18.35	271.45			
25		6.19	5.66	0.00	11.85	283.50	11.85	283.30			
26		0.00	5.50	5.25	10.75	294.25	10.63	293.93			
27		5.75	Surveying	Casing take-out	5.75	300.00	5.75	299.68			
28		Casing take-out									
29		Dismantlement									
30		Transportation									
10/1		Transportation									
2		Transportation									
3		Transportation									
Total						300.00		299.68	67	81	216
											457

Table 2-7 Record of Drilling Operation (MJVB-5)

Date	Hole No.	Drilling Length			Drilling Total		Shift		Man Working						
		Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	Drilling (m)	Core (m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)					
10	4 MJVB-5	Transportation													
5		Transportation													
6		Transportation													
7		Assemblage													
8		Assemblage													
9			11.00	16.00	3.00	30.00	28.80	28.80							
10			1.50	2.30	13.90	17.70	47.70	17.70	46.50						
11			9.45	10.35	7.50	27.30	75.00	27.30	73.80						
12			5.00	Reaming/Casing	Reaming/Casing	5.00	80.00	5.00	78.80						
13			9.00	5.90	6.10	21.00	101.00	21.00	99.80						
14			2.90	Reaming/Casing	Reaming/Casing	2.90	103.90	2.90	102.70						
15			Reaming/Casing	Reaming/Casing	2.85	106.75	2.85	105.55							
16			3.15	3.60	3.10	9.85	116.60	9.85	115.40						
17			6.45	6.15	3.20	15.80	132.40	15.80	131.20						
18			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
19			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
20			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
21			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
22			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
23			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
24			CP broken	CP broken	CP broken	0.00	132.40	0.00	131.20						
25			CP broken	8.20	6.40	14.60	147.00	14.60	145.80						
26			11.70	11.80	15.50	39.00	186.00	39.00	184.80						
27			12.80	13.20	8.80	34.80	220.80	34.80	219.60						
28			5.80	11.90	12.25	29.95	250.75	29.95	249.55						
29			6.25	10.50	7.00	23.75	274.50	23.75	273.30						
30			6.70	5.90	2.90	15.50	290.00	15.50	288.80						
31			10.00	Surveying	Surveying	10.00	300.00	10.00	298.80						
11			Casing take-out	Casing take-out	Casing take-out										
2			Casing take-out	Casing take-out	Casing take-out										
3			Dismantlement												
4			Transportation												
Total							300.00		298.80		75	82	192	384	

Table 2-8 Record of Drilling Operation (MJVB-6)

Date	Hole No.	Drilling Length			Drilling Total			Shift		Man Working						
		Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	Drilling (m)	Core (m)	Total (shift)	Drilling (shift)	Engineer (man)	Worker (man)						
10	4 MJVB-6	Transportation														
		Transportation														
		Transportation														
		Assemblage	5.00	0.00	0.00	5.00	5.00	4.65	4.65							
		Assemblage	0.00	0.00	0.00	0.00	5.00	0.00	4.65							
			11.00	5.00	2.50	18.50	23.50	17.58	22.23							
			0.00	0.00	0.00	0.00	23.50	0.00	22.23							
			0.00	3.15	1.35	4.50	28.00	4.50	26.73							
		Reaming/Casing	0.00	Reaming/Casing	6.00	6.00	34.00	5.45	32.18							
		Reaming/Casing	11.00	8.75	19.75	53.75	17.96	50.14	50.14							
		Reaming/Casing	1.50	10.75	11.75	24.00	77.75	23.30	73.44							
		5.35	8.30	8.30	21.95	99.70	21.80	95.24	95.24							
		Jamming	Jamming	Jamming	0.00	99.70	0.00	95.24	95.24							
		Jamming	Jamming	Jamming	0.00	99.70	0.00	95.24	95.24							
		Jamming	Jamming	Jamming	0.00	99.70	0.00	95.24	95.24							
		Jamming	Jamming	Jamming	0.00	99.70	0.00	95.24	95.24							
		Jamming	Jamming	Jamming	5.30	105.00	5.25	100.49	100.49							
		4.50	1.40	3.10	9.00	114.00	9.00	109.49	109.49							
		3.95	4.35	4.55	12.85	126.85	12.85	122.34	122.34							
		1.75	3.10	8.30	13.15	140.00	13.15	135.49	135.49							
		7.85	Reaming/Casing	Reaming/Casing	7.85	147.85	7.85	143.34	143.34							
		Reaming/Casing	5.55	6.85	12.40	160.25	12.40	155.74	155.74							
		0.00	2.00	5.35	7.35	167.60	7.35	163.09	163.09							
		6.95	7.30	5.35	19.60	187.20	19.60	182.69	182.69							
		6.40	8.65	8.95	24.00	211.20	24.00	206.69	206.69							
		10.80	4.35	0.00	15.15	226.35	15.15	221.84	221.84							
		8.20	3.45	3.90	15.55	241.90	15.55	237.39	237.39							
		5.60	8.80	5.20	19.60	261.50	19.60	256.99	256.99							
		5.70	8.80	4.00	18.50	280.00	18.50	275.49	275.49							
		0.00	7.20	6.40	13.60	293.60	13.60	289.09	289.09							
		1.60	0.00	0.00	1.60	295.20	1.60	290.69	290.69							
		4.80	Surveying	Surveying	4.80	300.00	4.80	295.49	295.49							
		Casing take-out	Casing take-out	Casing take-out												
		Casing take-out	Casing take-out	Casing take-out												
		Casing take-out	Casing take-out	Casing take-out												
		Disassembly														
		Transportation														
		Transportation														
Total						300.00		295.49	295.49		96		104	240		480

Table 2-9 Record of Drilling Performance (MJVB-3)

MJVB-3		Survey Period				Total Manday	
		Period	Day	Work Day	Off Day	Engineer	Worker
Operation							
Preparation		Aug. 28 to Sep. 6, 1998	10.0	10.0	0.0	54.0	132.0
Drilling		Sep. 7 to 27	21.0	21.0	0.0	126.0	252.0
Removing		Sep. 28 to Oct. 3	6.0	6.0	0.0	36.0	72.0
Total			37.0	37.0	0.0	216.0	456.0
Drilling Length		(m)	(m)	Core Recovery of 300 m Hole (%)			
Length Planned		300.00	Over-burden	0.00	Depth of Hole		Core Recovery
Increase/Decrease in Length		0.00	Core Length	296.3	0.00 to 100.00 m		97.8
Length Drilled		300.00	Core Recovery (%)	98.8	100.00 to 200.00 m		98.7
					200.00 to 300.00 m		100.0
Working Hours		(h)	(%)	(%)	Efficiency of Drilling		
Drilling		264.00	55.0	42.9	Total Length/Total Work Days		(m/day) 8.11
Other Work		200.00	41.7	32.5	Total Length/Total Shifts		(m/shift) 3.90
Recovering		16.00	3.3	2.6	Drilling Length/Each Bit (m)		
Subtotal		480.00	100.0	77.9	Bit Size	Drilled Length	Core Length
Assemblage		8.00		1.3	PQ	3.50	3.50
Dismantlement		16.00		2.6	HQ	99.10	96.80
Water					NQ	197.40	196.00
Transportation		0.00		0.0			
Transportation		112.00		18.2			
Grand Total		616.00		100.0			
Casing Pipe Inserted							
Size	Meterage (m)	Meterage/Drilling Length x 100 (%)					
PW	3.50	1.2					
HW	20.00	6.7					
NW	102.60	34.2					

Table 2-10 Record of Drilling Performance (MJVB-4)

MJVB-4						
	Survey Period				Total Manday	
	Period	Day	Work Day	Off Day	Engineer	Worker
Operation						
Preparation	Aug. 28 to Sep. 5, 1998	9.0	9.0	0.0	48.0	121.0
Drilling	Sep. 6 to 28	23.0	23.0	0.0	138.0	276.0
Removing	Sep. 29 to Oct. 3	5.0	5.0	0.0	30.0	60.0
Total		37.0	37.0	0.0	216.0	457.0
Drilling Length	(m)	(m)	Core Recovery of 300 m Hole (%)			
Length Planned	300.00	Over-burden	0.00	Depth of Hole	Core Recovery	Cumulative Core Recoery
Increase/Decrease in Length	0.00	Length Core	299.68	0.00 to 100.00 m	100.0	100.0
Length Drilled	300.00	Recovery (%)	99.9	100.00 to 200.00 m	99.8	99.9
				200.00 to 300.00 m	99.9	99.9
Working Hours	(h)	(%)	(%)	Efficiency of Drilling		
Drilling	272.00	50.7	42.0	Total Length/	(m/day)	
Other Work	224.00	41.8	34.6	Total Work Days	8.11	
Recovering	40.00	7.5	6.2	Total Length/	(m/shift)	
Subtotal	536.00	100.0	82.7	Total Shifts	3.70	
Assemblage	8.00		1.2	Drilling Length/Each Bit (m)		
Dismantlement	16.00		2.5	Bit Size	Drilled Length	Core Length
Water				PQ	3.00	3.00
Transportation	0.00		0.0	HQ	150.60	150.40
Transportation	88.00		13.6	NQ	146.40	146.28
Grand Total	648.00		100.0			
Casing Pipe Inserted						
Size	Meterage (m)	Meterage/Drilling Length x 100 (%)				
PW	3.00	1.0				
HW	14.35	4.8				
NW	153.60	51.2				

Table 2-11 Record of Drilling Performance (MJVB-5)

MJVB-5						
	Survey Period				Total Manday	
	Period	Day	Work Day	Off Day	Engineer	Worker
Operation						
Preparation	Oct. 4 to 8, 1998	5.0	5.0	0.0	30.0	60.0
Drilling	Oct. 9 to Nov. 2	25.0	25.0	0.0	150.0	300.0
Removing	Nov. 3 to 4	2.0	2.0	0.0	12.0	24.0
<b>Total</b>		<b>32.0</b>	<b>32.0</b>	<b>0.0</b>	<b>192.0</b>	<b>384.0</b>
Drilling Length	(m)	(m)	Core Recovery of 300 m Hole (%)			
Length Planned	300.00	Over-burden	0.00	Depth of Hole		Core Recovery
Increase/Decrease in Length	0.00	Core Length	298.8	0.00 to 100.00 m		Cumulative Core Recoery
Length Drilled	300.00	Core Recovery (%)	99.6	100.00 to 200.00 m		98.8
				200.00 to 300.00 m		99.4
						99.6
Working Hours	(h)	(%)	(%)	Efficiency of Drilling		
Drilling	232.00	38.7	35.4	Total Length/		(m/day)
Other Work	192.00	32.0	29.3	Total Work Days		9.38
Recovering	176.00	29.3	26.8	Total Length/		(m/shift)
Subtotal	600.00	100.0	91.5	Total Shifts		3.66
Assemblage	8.00		1.2	Drilling Length/Each Bit (m)		
Dismantlement	16.00		2.4	Bit Size	Drilled Length	Core Length
Water				PQ	3.50	3.50
Transportation	0.00		0.0	HQ	100.40	99.20
Transportation	32.00		4.9	NQ	196.10	196.10
<b>Grand Total</b>	<b>656.00</b>		<b>100.0</b>			
Casing Pipe Inserted						
Size	Meterage (m)	Meterage/Drilling Length x 100 (%)				
PW	3.50	1.2				
HW	40.00	13.3				
NW	103.90	34.6				

Table 2-12 Record of Drilling Performance (MJVB-6)

MJVB-6						
	Survey Period				Total Manday	
	Period	Day	Work Day	Off Day	Engineer	Worker
Operation						
Preparation	Oct. 4 to 8, 1998	5.0	5.0	0.0	30.0	60.0
Drilling	Oct. 9 to Nov. 9	32.0	32.0	0.0	192.0	384.0
Removing	Nov. 10 to 12	3.0	3.0	0.0	18.0	36.0
Total		40.0	40.0	0.0	240.0	480.0
Drilling Length	(m)		(m)	Core Recovery of 300 m Hole (%)		
Length Planned	300.00	Over-burden Core Length Core Recovery (%)	0.00	Depth of Hole	Core Recovery	Cumulative Core Recoery
Increase/Decrease in Length	0.00		295.49	0.00 to 100.00 m	95.6	95.6
Length Drilled	300.00		98.5	100.00 to 200.00 m	99.9	97.8
				200.00 to 300.00 m	100.0	98.5
Working Hours	(h)	(%)	(%)	Efficiency of Drilling		
Drilling	293.00	38.2	35.2	Total Length/	(m/day)	
Other Work	299.00	38.9	35.9	Total Work Days	7.50	
Recovering	176.00	22.9	21.2	Total Length/	(m/shift)	
Subtotal	768.00	100.0	92.3	Total Shifts	2.88	
Assemblage	8.00		1.0	Drilling Length/Each Bit (m)		
Dismantlement	16.00		1.9	Bit Size	Drilled Length	Core Length
Water				PQ	2.80	2.80
Transportation	0.00		0.0	HQ	137.40	132.89
Transportation	40.00		4.8	NQ	159.80	159.80
Grand Total	832.00		100.0			
Casing Pipe Inserted						
Size	Meterage (m)	Meterage/Drilling Length x 100 (%)				
PW	2.80	0.9				
HW	86.30	28.8				
NW	140.20	46.7				



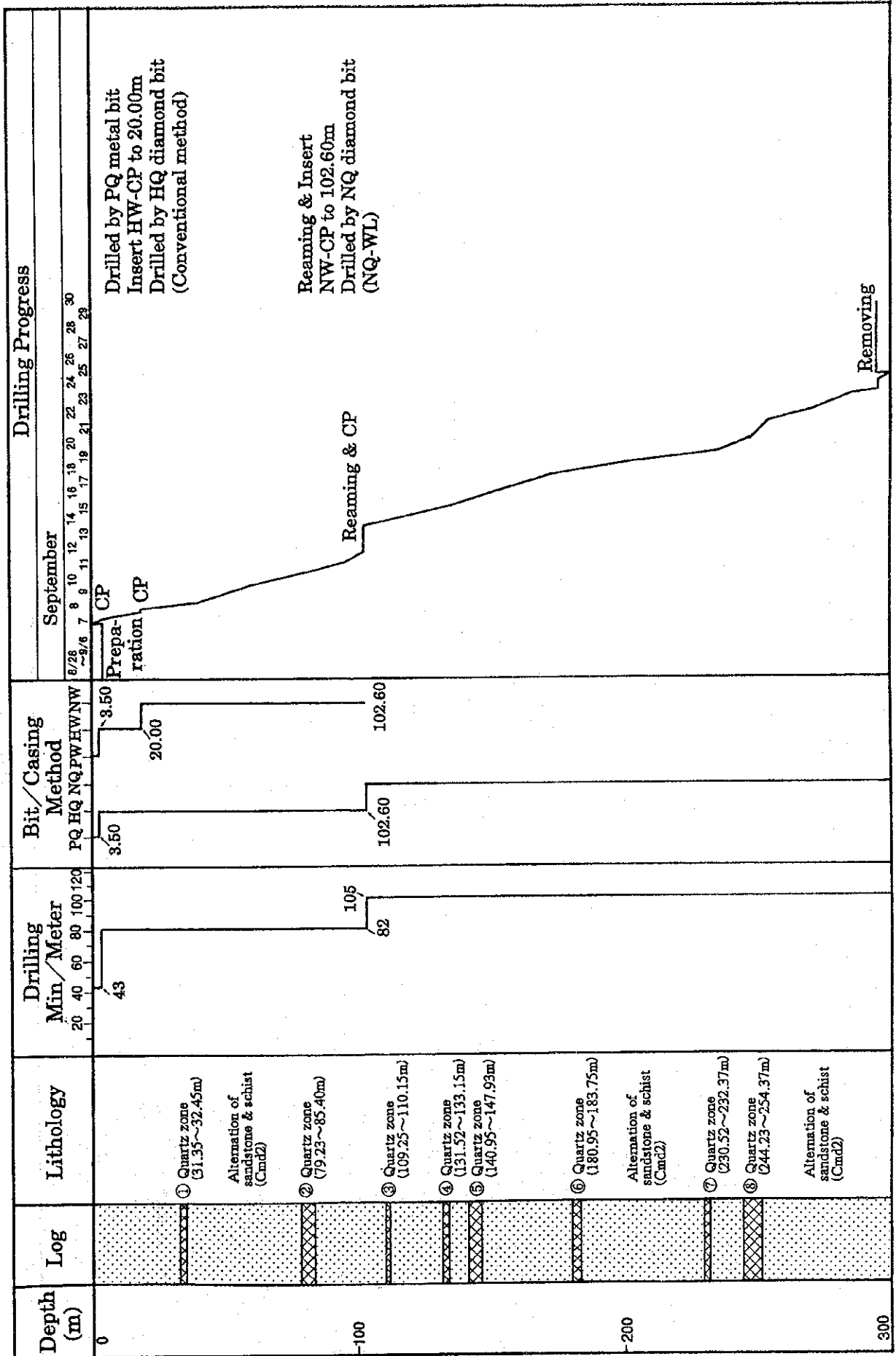


Fig. 2-3 Chart of Drilling Progress (MJVB-3)

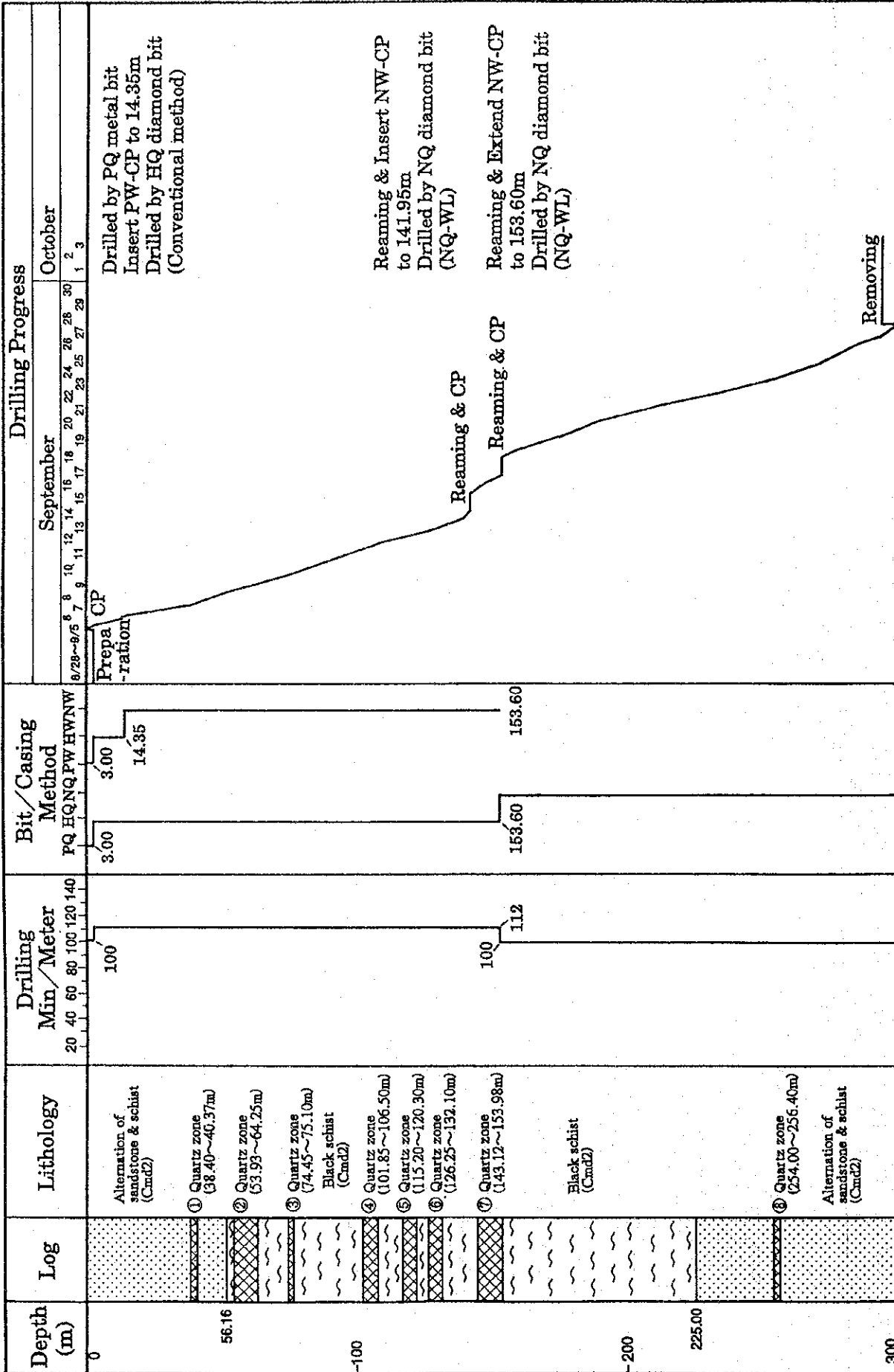


Fig. 2-4 Chart of Drilling Progress (MJVB-4)

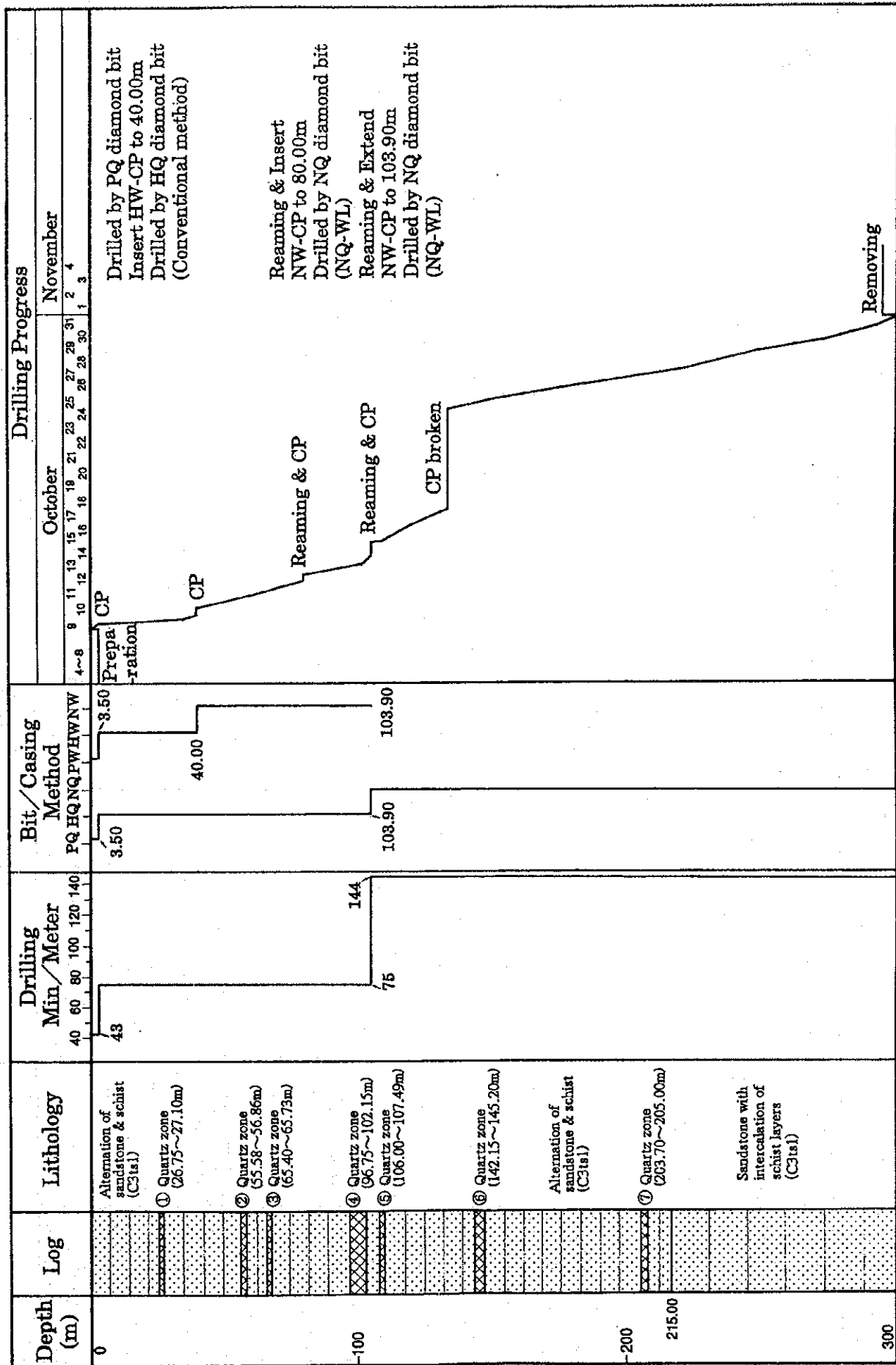


Fig. 2-5 Chart of Drilling Progress (MJVB-5)

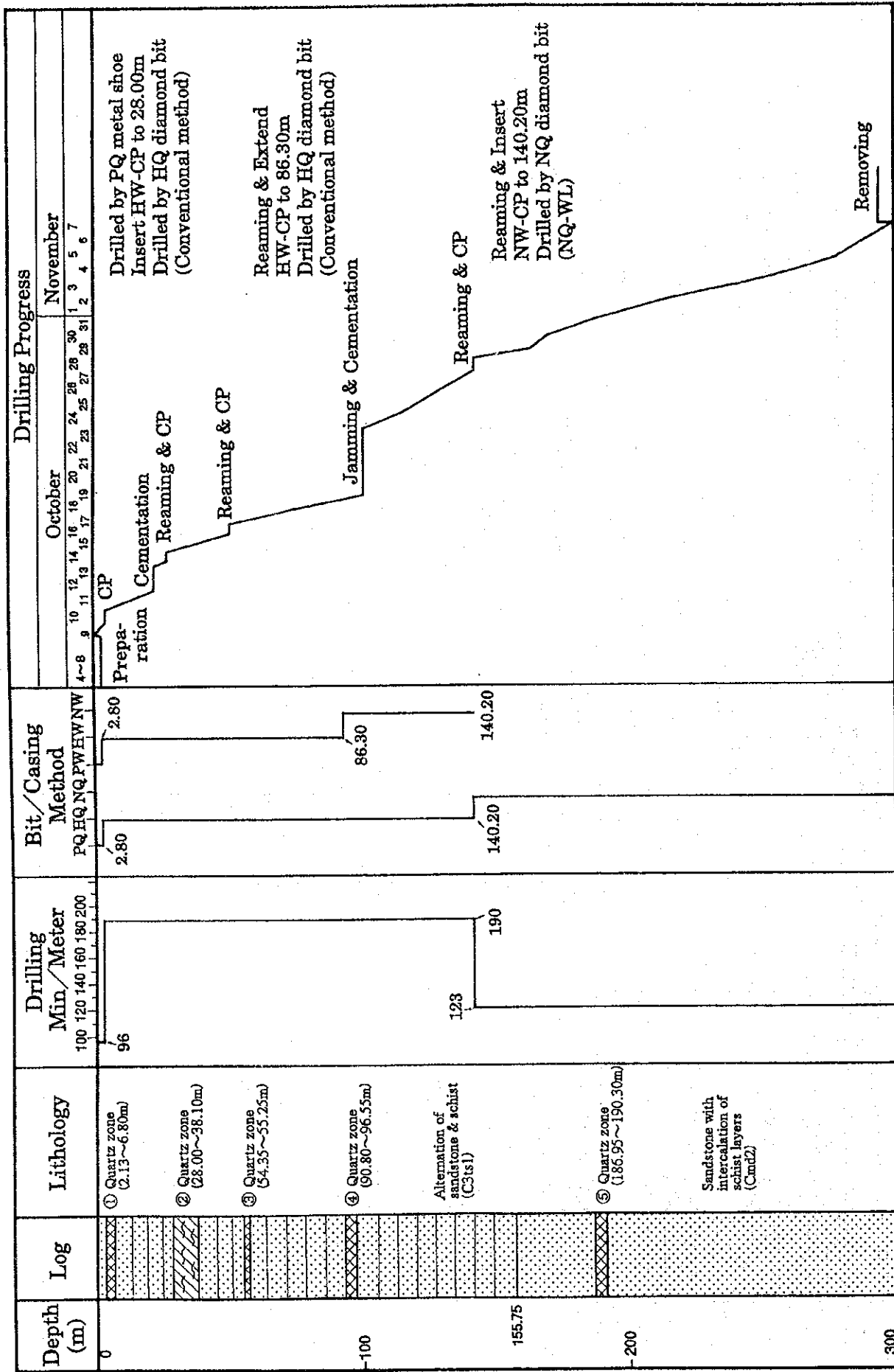


Fig. 2-6 Chart of Drilling Progress (MJVB-6)

## 1-4 Geology of Drill Holes

### 1-4-1 Da Mai Area

The geology of the area where drilling exploration was carried out this year is composed of schist and sandstone of the Mo Dong Formation ( $C_{md2}$ ).

Weathered schist and sandstone occur below the surface soil (a few to 30 cm thick), and extends to nearly 2 to 4 m deep along the drill hole (every hole has drilled at an angle of  $-45$  degrees). Bedrock appears below 10 to 20 m in depth. The results of laboratory works and assaying of drill cores are briefly listed in Tables 2-13 to 2-18. Drill hole sections are shown in Figs. 2-7 and 2-8.

**MJVB-3:** The geology around the drill hole MJVB-3 is composed of sandstone and schist of the Mo Dong Formation. It is located at the upper reaches of Khe Dui creek. The altitude of the drill hole is about 320 m above sea level. The purpose of this hole was to investigate the lower extension of gold mineralization in the eastern part of the Da Mai-Khe Dui prospect. It mainly targeted at the Group B veins in the Da Mai-Khe Dui prospect. The geology of the drill hole is composed of an alternating bed of sandstone and schist. The upper part is mainly composed of gray sandstone. Whereas, the lower part is composed of an alternation of black schist and gray sandstone. The details of geology of the drill hole are described as follows.

- 0.00 - 9.00 m: Yellow/light brown/gray saprolite (weathered sandstone). Limonite in cleavage.
- 9.00 - 16.20 m: Yellow/light brown/gray saprolite (weathered schist). Limonite in cleavage.
- 16.20 - 18.80 m: Yellow/light brown/gray saprolite (weathered sandstone). Limonite in cleavage.
- 18.80 - 22.60 m: Yellow/light brown/gray weakly weathered schist. Weak pyritization, chloritization, sericitization; strong silicification.
- 22.60 - 28.60 m: Yellow/light gray weakly weathered schist, containing broken quartz veinlets (25.50 and 27.10 m broken veinlets 1 cm). Limonite in cleavage.
- 28.60 - 32.30 m: Yellow/light gray weakly weathered sandstone, containing zones of broken quartz (30.80 - 30.90m and 31.35 - 31.90 m). Limonite in cleavage.
- 32.30 - 33.00 m: Yellow/light gray weakly weathered schist, containing broken quartz zone (32.22 - 32.45 m broken quartz with limonite). Weak sericitization. Pyrite and limonite disseminated in quartz.
- 33.00 - 67.50 m: Mainly light brown/gray weakly weathered sandstone with thin layers of schist/psammite, injected by white/light brown weathered quartz veinlets/networks (53.70 - 53.80, 57.75 - 57.95, 58.20 - 58.30, 62.45 - 61.60 and 66.70 - 66.90 m networks; 56.70, 57.60, 61.15 and 63.80 m veinlets 1 - 2 cm; 62.10 and 63.50 m veinlets 5 and 1 cm). Limonite in cleavage.
- 67.50 - 70.00 m: Yellow/light brown/gray weakly weathered schist/psammite, containing quartz veinlets/breccias with limonite (67.57, 67.80, 68.78, 69.90 and 70.00 m veinlets 2 - 5 cm; 68.50 - 68.60 m quartz vein with limonite 10 cm; 67.50 - 68.80 m breccias with limonite). Weak pyritization, chloritization, sericitization and silicification.

70.00 - 71.60 m: Breccia zone: mixture of quartz breccias and silicified schist with disseminated pyrite, limonite. Partly clayey and porous. Weak pyritization, chloritization, sericitization and silicification.

71.60 - 74.65 m: Black schist, containing quartz breccias and quartz veinlets with limonite. Partly clayey and porous. Pyritization, sericitization and strong silicification.

74.65 - 79.25 m: Gray/dark gray psammite with layer of sandstone, injected by broken quartz veinlets. Pyritization, sericitization and silicification.

79.25 - 80.20 m: Quartz zone in black fine-banded schist: mixture of white/light brown quartz-calcite veins/veinlets with pyrite, limonite and black schist. Weak sericitization, silicification, pyritization. Pyrite and limonite disseminated. A tiny grain of native gold was found at 80.00 m.

80.20 - 95.20 m: Mainly gray fine grain psammite, some place gray quartzitic sandstone and dark gray schist, injected by white/gray/light gray quartz veins/veinlets (84.97 - 85.40 m quartz vein with pyrite and limonite 43 cm; 87.05, 87.15 m veinlets 1.5 - 2 cm; 92.55 m veinlet with pyrite 7 cm). Weak sericitization, silicification, pyritization and chloritization. Pyrite and limonite disseminated.

95.20 - 98.50 m: Mainly gray fine grain quartzitic sandstone, some place with black schist, injected by white/light gray quartz veinlet (95.55 m quartz veinlet 1 cm). Pyritization, weak sericitization, silicification and chloritization.

98.50 - 102.25 m: Black fine-banded schist, injected by white/light gray quartz veinlets and networks (100.10 - 100.30, 101.90 - 102 m networks; 100.45 and 100.60 m veinlets 3 and 1 cm). Silicification; weak pyritization, chloritization and sericitization.

102.25 - 105.30 m: Quartzitic sandstone, injected by quartz veinlets (102.50, 103.60 m veinlets 0.5 - 1 cm; 103.90 - 104.08 m quartz vein with pyrite). Pyritization, sericitization, silicification and weak chloritization. Pyrite disseminated.

105.30 - 106.78 m: Black schist, contain quartz veinlets (< 1 cm). Weak pyritization, sericitization and chloritization.

106.78 - 108.05 m: Mainly quartzitic sandstone. Weak pyritization, sericitization, and chloritization.

108.05 - 109.25 m: Black fine-banded schist. Weak pyritization, sericitization, silicification and chloritization.

109.25 - 110.15 m: Quartz zone: mixture of white quartz breccias, quartz veinlets and psammite. Weak pyritization, sericitization, silicification and chloritization. Pyrite disseminated.

110.15 - 111.90 m: Mainly quartzitic sandstone, injected by light gray quartz veinlets < 1 cm. Weak pyritization, sericitization, and chloritization.

111.90 - 114.20 m: Black fine-banded schist, containing quartz veinlets < 1 cm. Strong silicification; weak pyritization, sericitization and chloritization.

114.20 - 119.20 m: Mainly quartzitic sandstone, some place with black schist, injected by light gray quartz veinlets (114.30 m veinlet 4 cm). Weak pyritization, chloritization, sericitization; strong silicification.

119.20 - 121.25 m: Black fine-banded schist, containing quartz veinlets/networks (119.30 - 119.45 m network 0.5 - 1 cm; 119.50 - 119.55 m veinlet 5 cm). Weak pyritization, chloritization, sericitization; strong silicification. Pyrite and arsenopyrite disseminated.

121.25 - 124.45 m: Mainly quartzitic sandstone, some place with black schist, injected by light gray quartz veinlets < 1 cm and quartz vein (123.88 - 123.95 m quartz veinlet with pyrite and arsenopyrite 7 cm). Strong silicification, chloritization, sericitization; weak pyritization. Pyrite and arsenopyrite disseminated.

124.45 - 126.80 m: Black fine-banded schist, injected by quartz veinlets < 0.5 cm; 125.15 - 125.75 m quartzitic sandstone. Strong silicification, chloritization, sericitization; weak pyritization.

126.80 - 136.38 m: Mainly gray fine grain quartzitic sandstone, some place with dark gray schist, and injected by white/light gray quartz-calcite veins/veinlets with pyrite and occasionally arsenopyrite (126.90 - 127.15, 129.10 - 129.25, 131.30 - 131.53 m networks; 128.20, 132.45, 132.73 and 132.96 m veinlets 1 cm; 131.70 - 132.03 m quartz-chlorite vein with pyrite and arsenopyrite; 133.10 m quartz veinlet 4 cm). Strong silicification, chloritization, sericitization and pyritization. Pyrite and arsenopyrite disseminated.

136.38 - 138.55 m: Black fine-banded schist, containing quartz veinlets (136.43, 137.33 and 138.33 m veinlets 1 - 1.5 cm; 136.93 m veinlet 4 cm). Strong silicification, chloritization, sericitization and weak pyritization.

138.55 - 139.75 m: Fine grain quartzitic sandstone, injected by light gray quartz network (139.30 - 139.40 m). Strong silicification, chloritization, sericitization and weak pyritization.

139.75 - 143.00 m: Alternation of fine grain quartzitic sandstone and black fine-banded schist, injected by light gray quartz veins/veinlets (140.68 m veinlet 2.5 cm; 140.95 - 141.10 m quartz vein 15 cm and 141.74 - 141.92 m quartz-calcite vein 15 cm). Strong silicification, chloritization, sericitization and pyritization.

143.00 - 147.00 m: Alternation of black fine-banded schist and fine grain quartzitic sandstone, injected by light gray quartz veinlets (146.65 m veinlet 2 cm; 147.00 m veinlet 3 cm). Strong silicification, chloritization, sericitization and weak pyritization.

147.00 - 148.85 m: Mainly black fine-banded schist, some place with dark gray schist, containing quartz zone, quartz veinlets/networks (147.60 - 147.93 m quartz-calcite-chlorite zone: mixture of quartz, quartz breccias, quartz veinlets; 148.43 - 148.17 m quartz network and 148.83 m veinlet 4 cm). Strong silicification, chloritization, sericitization and pyritization. Pyrite disseminated.

148.85 - 156.30 m: Dark gray psammite, injected by white/light gray quartz veinlets (149.20 m quartz veinlet 2 cm, 154.10 m veinlet 7 cm and 155.60 m veinlet 5 cm). Pyritization, sericitization, silicification and weak chloritization.

156.30 - 182.00 m: Black fine-banded schist, some place with dark gray psammite (162.35 - 164, 165.00 - 166.00 and 174.00 - 174.80 m), injected by white/light gray quartz veins, veinlets/networks and quartz zones (158.00, 164.30, 165.20, 165.70, 169.30, 169.94, 170.70, 173.80, 179.70 and 180.00 m veinlets 1 - 2 cm; 158.13, 162.48, 170.17 and 173.65 m veinlets 4 - 5 cm; 161.12 and 171.17 m veinlets 8 cm; 180.95 - 181.08 m quartz vein 13 cm; 161.63 - 162.73, 167.00 - 167.10, 178.05 - 178.15, 178.38 - 178.58, 181.60 - 181.94 m networks; and 175.32 - 175.55 m quartz zone: mixture of white quartz breccias, quartz veinlets and psammite). Strong silicification, pyritization, sericitization and chloritization. Pyrite and arsenopyrite disseminated.

182.00 - 190.20 m: Mainly gray fine grain quartzitic sandstone, some place with dark gray schist, injected by white/light gray quartz veins/veinlets, networks and quartz zones (182.36 - 182.55, 185.00 - 185.20, 185.80 - 185.90, 186.48 - 186.60 and 181.60 - 181.94 m networks; 183.00 - 183.15 m quartz vein 15 cm; 183.50 - 183.75 m quartz zone: mixture of white quartz-calcite breccias, quartz veinlets and psammite; 184.78, 188.48 m veinlets 1 - 2 cm). Strong silicification, chloritization, sericitization and pyritization. Pyrite and arsenopyrite disseminated.

190.20 - 191.70 m: Black fine-banded schist, injected by light gray quartz veinlets < 0.5 cm. Strong silicification, chloritization, sericitization and pyritization.

191.70 - 194.60 m: Gray fine grain quartzitic sandstone, injected by light gray quartz veinlets < 0.5 cm. Strong silicification, chloritization, sericitization and pyritization.

194.60 - 195.30 m: Black fine-banded schist, injected by light gray quartz veinlets < 0.5 cm. Strong silicification, chloritization, sericitization and weak pyritization.

195.30 - 198.00 m: Gray fine grain quartzitic sandstone, injected by light gray quartz veinlets < 0.5 cm. Strong silicification, chloritization, sericitization and pyritization. Pyrite disseminated.

198.00 - 200.45 m: Black fine-banded schist, injected by light gray quartz veinlets < 0.5 cm. Strong silicification, chloritization, sericitization and pyritization.

200.45 - 203.00 m: Gray fine grain quartzitic sandstone, injected by white/light gray quartz veinlets (197.10 m veinlet 1 cm). Pyritization, sericitization, silicification and weak chloritization.

203.00 - 205.50 m: Black fine-banded schist, injected by light gray quartz veinlets < 0.5 cm. Pyritization, sericitization, silicification and weak chloritization.

205.50 - 206.20 m: Gray fine grain quartzitic sandstone, injected by white/light gray quartz veinlets < 0.5 cm. Strong silicification, chloritization, sericitization and pyritization.

206.20 - 214.00 m: Mainly black fine-banded schist, some place with fine grain quartzitic sandstone, injected by light gray quartz veinlets < 0.5 - 1 cm (208.62 m veinlet 1 cm). Strong silicification, pyritization, sericitization and chloritization.

214.00 - 215.40 m: Dark gray, green gray fine grain quartzitic sandstone, injected by white/light gray quartz veinlets < 0.5 cm. Strong chloritization, silicification, pyritization and sericitization.

215.40 - 216.85 m: Black fine-banded schist, injected by light gray quartz veinlets < 0.5 cm. Strong chloritization, silicification, pyritization and sericitization.

216.85 - 218.40 m: Dark gray, green gray fine grain quartzitic sandstone, some place with psammite. Strong chloritization, silicification, pyritization and sericitization.

218.40 - 219.20 m: Black fine-banded schist. Silicification, pyritization and sericitization.

219.20 - 223.50 m: Mainly fine grain quartzitic sandstone, some place with black fine-banded schist, injected by light gray quartz veins/veinlets (221.65 m quartz vein 10 cm; 223.14 m veinlet 6 cm and 223.32 m veinlet 2 cm). Strong chloritization, silicification, weak pyritization and sericitization. Pyrite disseminated.

223.50 - 225.60 m: Black fine-banded schist, injected by light gray quartz veinlets/ networks (224.15 m veinlet 8cm; 225.40 - 225.60 m network). Strong silicification, sericitization; weak pyritization and chloritization.



225.60 - 230.35 m: Mainly fine grain quartzitic sandstone, some place with black fine-banded schist, injected by white/light gray quartz veinlets (226.12 m veinlet 1 cm; 226.70 m veinlet 6 cm). Strong silicification, sericitization, pyritization and chloritization. Pyrite and arsenopyrite disseminated.

230.35 - 232.40 m: Black fine-banded schist, with quartz zone (230.52 - 230.56, 230.77 - 231.14 and 232.20 - 232.37 m: mixture of white/light gray quartz veins/networks, quartz breccias and schist). Strong silicification, chloritization, sericitization and pyritization.

232.40 - 237.95 m: Black fine-banded schist, injected by light gray quartz veinlets/networks (233.35 - 233.50 m network; 236.80 m veinlet 1 cm). Strong silicification, chloritization, sericitization and pyritization.

237.95 - 241.00 m: Black fine-banded schist with quartz zones (238.05 - 238.45 and 239.95 - 241.00 m: mixture of light gray quartz veins/networks, quartz breccias and schist). Strong silicification, chloritization, sericitization and pyritization. Pyrite disseminated.

241.00 - 243.35 m: Gray fine grain quartzitic sandstone, injected by light gray quartz veinlets/networks and quartz zones (242.55 - 243.35 m: mixture of light gray quartz veins/veinlets/networks, quartz breccias and schist). Strong silicification, chloritization, sericitization and pyritization.

243.35 - 250.50 m: Black fine-banded schist/psammite, injected by numerous white/light gray quartz veinlets/networks and quartz breccias (244.23 - 244.42, 244.96 - 245.68, 245.92 - 245.95, 246.19 - 246.21, 246.56 - 246.58, 247.10 - 247.20, 247.55 - 248.34, 249.02 - 249.08 m quartz veins/networks, 250.10 - 250.35 m quartz breccia). Pyrite and occasionally arsenopyrite disseminated weakly. Strong silicification, chloritization, sericitization and weak pyritization. Pyrite disseminated.

250.50 - 253.38 m: Mainly dark gray psammite, injected by white/light gray quartz networks (251.00 - 251.10; 251.30 - 251.55; 251.80 - 251.90 and 253.00 - 253.10 m). Pyritization, sericitization, silicification and weak chloritization.

253.38 - 254.40 m: Black fine-banded schist, with quartz zone: mixture of white/light gray quartz veins/networks, quartz breccias and black schist (253.40 - 253.95, 254.16 - 254.37 m). Strong chloritization, sericitization, silicification and weak pyritization.

254.40 - 260.00 m: Mainly gray fine grain quartzitic sandstone, injected by white/light gray quartz veinlets/networks (254.40 - 254.85, 255.45 - 255.65, 255.80 - 255.95 and 258.30 - 258.70 m networks; 255.10, 257.67 m veinlets 5 cm; 257.36, 257.90, 259.12 and 259.60 m veinlets 1 - 2.5 cm). Strong silicification, chloritization, sericitization and weak pyritization.

260.00 - 300.00 m (EOH): Mainly fine-grain quartzitic sandstone, some place with black fine-banded schist, injected by white/light gray quartz veins/veinlets and networks (260.05, 260.20, 263.54, 265.13, 265.80, 266.70, 268.30, 268.48, 268.94, 269.80, 275.60, 276.40, 276.73, 277.60, 279.70, 280.65, 281.54, 282.36, 283.90, 288.74, 289.87, 291.45, 292.13, 293.00, 293.80, 293.95, 297.52 and 299.40 m quartz veinlets 1 - 3 cm; 262.80, 267.45, 269.36, 270.30, 282.10, 283.15, 285.85, 289.15, 292.90, 296.22 m veinlets 4 - 6 cm; 277.20 m veinlet 8 cm; 273.00 - 273.15 m light gray quartz-carbonate (calcite, ankerite) vein 15cm; 278.70 m quartz vein 10 cm; 260.55 - 260.75, 263.15 - 263.35, 266.80 - 266.95, 270.74 - 271.05, 271.30 - 271.40, 271.65 - 271.80, 285.30 - 285.45, 286.15 - 286.35, 291.78 - 291.90 and 293.40 - 293.60 m networks). Strong silicification, sericitization; weak

pyritization and chloritization.

**MJVB-4:** The geology around the drill hole MJVB-4 is composed of schist and sandstone of the Mo Dong Formation. It is located at the upper reaches of Khe Dui creek. The altitude of the drill hole is about 260 m above sea level. The purpose of this hole was to investigate the lower extension of gold mineralization in the eastern part of the Da Mai-Khe Dui prospect. It mainly targeted at the Group C veins in the Da Mai-Khe Dui prospect. The geology of the drill hole is composed of an alternating bed of sandstone and schist. The upper part and lower part are composed of an alternation of black schist and gray sandstone. Whereas, the middle part is mainly composed of black schist. The details of geology of the drill hole are described as follows.

0.00 - 3.55 m: Light yellow/brown/gray weathered sandstone.

3.55 - 16.53 m: Mainly light gray/green gray psammite, some place with light gray sandstone. Weak pyritization, chloritization, sericitization.

16.53 - 18.85 m: Gray/dark gray schist. Weak pyritization.

18.85 - 38.88 m: Mainly gray fine-banded psammite, some place with dark gray schist, injected by white/light gray quartz veinlets (24.46 and 24.72 m thickness 0.5 - 1 cm; 25.22, 28.20, 31.40, 32.20, 33.07, 36.88 and 37.20 m veinlets 1 - 2 cm; 38.40 - 38.80 m quartz-calcite vein 40 cm). Weak sericitization, silicification, pyritization and chloritization. Pyrite disseminated.

38.88 - 41.73 m: Dark gray/green schist, containing quartz zones, quartz veinlets and quartz networks (39.40 - 39.70 m network; 40.05 - 40.37 m quartz-calcite zone; 40.60, 40.80, 41.70 m veinlets 0.5 cm; 41.0 - 41.20 m network). Pyrite disseminated. Pyritization weak sericitization, silicification and chloritization. Pyrite disseminated.

41.73 - 44.43 m: Gray/dark gray fine-banded psammite, injected by gray/light gray quartz veinlets (42.75 and 43.90 m thickness 1 cm). Weak sericitization, silicification, pyritization and chloritization.

44.43 - 47.00 m: Dark gray schist, containing white quartz-calcite veinlet (45.13 m veinlet 1 cm). Weak sericitization, silicification, pyritization.

47.00 - 51.16 m: Gray/dark gray fine-banded psammite. Weak sericitization, silicification, pyritization and chloritization.

51.16 - 53.93 m: Black fine-banded schist. Pyritization, sericitization, silicification and weak chloritization.

53.93 - 54.47 m: Quartz zone: mixture of white quartz breccias, quartz-calcite veinlets and black schist. Pyrite and arsenopyrite disseminated. Pyritization, sericitization, and weak chloritization. Pyrite and arsenopyrite disseminated.

54.47 - 60.15 m: Black fine-banded schist, injected by white quartz-calcite veinlets (56.00 - 56.05 m veinlet 5 cm). Pyritization, sericitization, and weak chloritization.

60.15 - 60.60 m: Quartz zone: mixture of white quartz-calcite and black schist. Pyrite, arsenopyrite and chalcopyrite disseminated. Strong pyritization, sericitization, and weak chloritization. Pyrite,

arsenopyrite and chalcopyrite disseminated.

60.60 - 74.45 m: Black fine-banded folded schist, injected by white quartz-calcite veinlets and networks (64.15 - 64.25 and 71.05 - 71.15 m networks; 65.87, 68.60, 71.88 and 73.10 m veinlets 0.5 - 2 cm). Pyrite and occasionally arsenopyrite disseminated. Pyritization, sericitization; strong silicification, and weak chloritization. Pyrite and occasionally arsenopyrite disseminated.

74.45 - 75.10 m: Quartz zone: mixture of white quartz-calcite and black schist. Strong pyritization, sericitization, and weak chloritization.

75.10 - 102.45 m: Black fine-banded schist, injected by white quartz-calcite veinlets and networks (87.88 m veinlet 5 cm; 91.50, 95.10, 98.75 m veinlets 1 cm; 92.00 m gray banded vein 10 cm, 101.15 m veinlet 1 cm; 101.85 - 102.15 m network). Pyritization, weak sericitization, silicification and chloritization. Pyrite and arsenopyrite disseminated.

102.45 - 102.94 m: Quartz zone: mixture of white quartz-calcite, breccias, veinlets and black schist. Pyritization, sericitization, silicification and weak chloritization. Pyrite disseminated.

102.94 - 115.20 m: Black fine-banded schist, injected by white quartz-calcite veins/veinlets and networks (103.80, 105.40, 106.95, 114.50 m veinlet 1 - 2 cm; 104.00 - 104.30, 104.70 - 104.95, 105.90 - 106.20, 107.15 - 107.55, 110.05 - 110.30, 111.30 - 111.70 and 112.70 - 113.00 m networks). Strong pyritization, silicification, chloritization, sericitization. Pyrite disseminated; sphalerite spotted (106 m).

115.20 - 120.40 m: Black fine-banded schist, containing quartz zones: mixture of white quartz-calcite, breccias, veinlets and black schist (115.20 - 115.25, 115.37 - 115.44, 115.48 - 115.64, 115.71 - 115.75, 115.79 - 115.80, 116.08 - 116.12, 116.25 - 116.35, 116.67 - 117.95, 118.55 - 118.95, 119.08 - 119.60, 119.95 - 120.30 m). Strong pyritization, chloritization, sericitization, silicification. Pyrite and arsenopyrite disseminated.

120.40 - 126.30 m: Black fine-banded schist, containing white quartz-calcite veinlets (122.45 m veinlet 5 cm). Pyritization, sericitization, and chloritization.

126.30 - 132.25 m: Black fine-banded schist, containing quartz zones: mixture of white quartz-calcite, breccias, veinlets and black schist (126.25 - 127.30, 128.37 - 128.40, 128.75 - 128.80, 129.04 - 129.07, 129.20 - 129.35, 129.72 - 129.80, 130.00 - 130.10, 131.30 - 131.35 and 131.65 - 132.10 m). Strong pyritization, sericitization, silicification and chloritization. Pyrite and arsenopyrite disseminated.

132.25 - 143.10 m: Black fine-banded schist, containing white quartz-calcite veinlets, networks and quartz zones (133.80 - 134.00, 134.60 - 135.35, 135.85 - 136.20 and 142.70 - 142.75 m networks; 138.20 - 138.38 m quartz zone: mixture of white quartz-calcite, breccias, veinlets and black schist; 141.45 and 141.70 m veinlets 1.5 cm ). Strong silicification, pyritization, chloritization and sericitization. Pyrite and arsenopyrite disseminated.

143.10 - 155.40 m: Black fine-banded schist, containing white quartz-calcite zones, veins/veinlets, networks (143.12 - 143.32, 143.40 - 143.75, 144.90 - 145.10, 145.40 - 145.50, 145.53 - 145.88, 146.00 - 146.65, 146.82 - 146.98, 147.00 - 147.55, 147.76 - 147.88, 148.10 - 149.08 149.70 - 149.82, 150.00 - 150.05, 150.12 - 150.20, 150.28 - 150.34, 150.48 - 150.60, 151.04 - 151.22, 152.15 - 152.31, 152.57 - 152.65, 153.04 - 153.53, 153.65 - 153.75, and 153.90 - 153.98 m). Strong silicification,

pyritization, chloritization and sericitization. Pyrite and arsenopyrite disseminated.

155.40 - 157.70 m: Black fine-banded schist, injected by white quartz-calcite veinlets (155.57 m veinlet 2 cm; 155.70 m veinlet 1 cm). Strong pyritization, chloritization, sericitization, silicification.

157.70 - 158.03 m: Quartz zone: mixture of white quartz-calcite, breccias, veinlets and black schist. Strong pyritization, silicification, chloritization, sericitization.

158.03 - 192.80 m: Black fine-banded, partly folded schist, injected by white/light gray quartz veins/veinlets and networks (159.43 m veinlet 5 cm; 161.00, 168.15, 172.73, 173.73 and 174.35 m veinlets 1 - 3 cm; 161.23 - 161.40 m white quartz vein 17 cm; 165.65 - 165.80 m network; several other quartz veinlets < 0.5 cm). Strong pyritization, chloritization, sericitization, silicification.

192.80 - 193.40 m: Quartz zone: fine-banded strongly folded gray quartz/black schist with pyrite. Strong silicification; weak sericitization, chloritization, and pyritization.

193.40 - 205.80 m: Black fine-banded schist, containing white/light gray quartz networks and quartz zones, some place containing quartz veinlets < 0.5 cm. (194.00 - 194.20 m networks; 196.35 - 196.52 m quartz zone: mixture of white quartz, quartz breccias, quartz veinlets and black schist, 202.10 m veinlet 2 cm and 205.10 - 205.20 m network). Strong silicification, pyritization, chloritization and sericitization. Pyrite disseminated.

205.80 - 206.47 m: Gray fine grain quartzitic sandstone, containing white quartz veinlet 1 cm (205.90 m). Weak pyritization, chloritization, sericitization, silicification.

206.47 - 212.55 m: Black fine-banded schist, containing white/light gray quartz networks and injected by white/light gray quartz veinlets < 0.5 cm (207.50 - 207.70 m network). Strong pyritization, silicification, chloritization, sericitization.

212.55 - 220.00 m: Gray fine grain quartzitic sandstone, containing white quartz veinlets/networks (216.40 - 216.70, 217.80 - 218.20 m networks; 218.17 m veinlet 1 cm). Strong pyritization, chloritization, sericitization, silicification.

220.00 - 225.00 m: Black fine-banded folded schist, some place injected by white/light gray quartz veinlets < 0.5 cm. Pyritization, chloritization, sericitization, silicification.

225.00 - 240.00 m: Alternation of black fine-banded, folded schist, gray fine grain quartzitic sandstone and dark gray psammite, injected by white/light gray quartz veinlets < 0.5 cm. Weak pyritization, chloritization, sericitization, silicification.

240.00 - 245.80 m: Black fine-banded schist, containing gray quartz veinlet (240.35 m veinlet 1 cm) and injected by veinlets < 0.5cm. Strong silicification; weak sericitization, chloritization, and pyritization.

245.80 - 247.10 m: Gray fine grain quartzitic sandstone, containing white quartz veinlets < 0.5 cm. Silicification, pyritization, chloritization and sericitization.

247.10 - 249.10 m: Black fine-banded schist, injected by white/light gray quartz veinlets < 0.5 cm. Silicification, pyritization, chloritization and sericitization.

249.10 - 267.65 m: Gray fine grain quartzitic sandstone, containing white/light gray quartz veins/veinlets, networks (249.53, 250.32, 255.94, 265.15, 266.47 and 266.63 m veinlets 1 - 3 cm; 251.68 m veinlet 8 cm; 252.65 - 252.85, 253.75 - 253.90, 254.10 - 254.36, 265.40 - 265.65 m

networks; 256.29 - 256.40 m light gray quartz vein 11 cm and 260.75, 262.78 m veinlet 4 cm). Strong chloritization, silicification, sericitization and weak pyritization. Pyrite and galena disseminated.

267.65 - 285.60 m: Black fine-banded schist, some place with gray quartzitic sandstone, containing white quartz veinlets (268.70, 271.65 and 273.20 m veinlet 1 cm), injected by quartz veinlets <0.5 cm. Strong chloritization; weak pyritization, sericitization and silicification.

285.60 - 292.00 m: Dark gray fine-banded psammite, injected by quartz veinlets < 0.5 cm. Strong silicification, sericitization, pyritization, and weak chloritization

292.00 - 294.95 m: Black fine-banded schist, containing white/light gray quartz veinlet 2 cm (294.75 m) and injected by several quartz veinlets < 0.5 cm. Strong silicification; weak sericitization, chloritization, and pyritization.

294.95 - 300.00 m (EOH): Gray fine grain quartzitic sandstone, containing white quartz veinlets with pyrite < 0.5 cm. Strong silicification, pyritization, chloritization and sericitization.

Table 2-13 Results of Microscopic Observation of Thin Sections (Drill Cores)

Sample No.	Depth	Rock Name	Formation	Texture	Phenocryst/Crystal Fragment Qz, Kf, Pl, Bt, Hb, Px, Ol, Ep, Op	Groundmas/Matrix Qz, Kf, Pl, Hb, Px, Gl	Alteration & Remarks
<b>MJVB-3</b>							
304T	75.48 m	Alt SS/Schist	Cmd	Clas	○		Mainly composed of Ch, Se, clay
306T	80.03 m	Qz-Cal Vein (White/L-gray)			○		Some Se, clay, Ch, Ca
309T	105.08 m	Alt SS/Schist	Cmd	Clas	●		Mainly composed of Se, clay, Ch
317T	200.08 m	Alt SS/Schist	Cmd	Lepb	○		Mainly composed of clay, Se, Ch
324T	275.18 m	Gray SS	Cmd	Clas	○		Mainly composed of Se, clay, Ch
<b>MJVB-4</b>							
406T	100.08 m	Black Schist	Cmd	Clas	△		Mainly composed of Se, calx, Ch
410T	116.81 m	Qz-Cal Vein (White)			○		Some Se, clay, Ch, Ca
420T	148.59 m	Qz-Cal Vein (White)			○		Some Ca, Se
427T	200.18 m	Black Schist	Cmd	Clas	△		Mainly composed of Ch, clay, Se
<b>MJVB-5</b>							
505T	75.06 m	Black Schist	C3ts1	Clas	△		Mainly composed of Se, clay, Ch
509T	110.59 m	Qz Vein (L-gray)			●		Some Se, Ch
511T	142.35 m	Qz Vein (White/L-gray)			○		Some Se, Ch, Ca
515T	150.18 m	Gray Psammite	C3ts1	Clas	●		Mainly composed Se, Ch
522T	275.20 m	Gray Psammite/Schist	C3ts1	Clas	△		Mainly composed of clay, Se, Ch
<b>MJVB-6</b>							
617T	54.80 m	Qz Vein (L-gray)			●		Some Se
621T	96.48 m	Qz Vein (L-gray)			●		Some Ch
622T	108.28 m	Qz Vein (L-gray)			△		Some clay, Se
623T	150.15 m	Gray Psammite	Cmd	Clas	△		Mainly composed of Se, Ch
626T	187.33 m	Qz Vein (White)			●		Some Se, Ch, Ca
630T	280.01 m	Qz Vein (L-gray)			○		Some Se, Ch

Abundance of Minerals: ●; Abundant, ○; Common, △; Rare, ·; Trace  
 Formation Names : Cmd; Mo Dong, C3ts1; Than Sa Lower, Ohm; Na Mo, D11bb; Bac Bun, D11mi; Mia Le, D21nq; Na Quan, C-Pbs; Bac Son, P21dd; Dong Dang, T11s; Lang Son, T1-2sh; Song Hiem, T2hk; Na Khuat, T-Cg; Granite intrusive  
 Textures : Pyc; Pyroclastic, Clas; Clastic, Porp; Porphyritic, Lepb; Lepidoblastic, Glom-gr; Giomerophytic granular, Hypd-gr; Hypidiomorphic granular, Ophi; Ophitic, Int-gr; Inter-granular, Hol-pp; Holocrystalline-porphyratic, Comp; Compressed, Gran; Granular  
 Minerals : Qz; Quartz, Kf; Potash Feldspar, Pl; Plagioclase, Bt; Biotite, Hb; Hornblende, Px; Pyroxene, Ol; Olivine, Ep; Epidote, Op; Opaque Minerals, Gl; Glass, Ch; Chlorite, Se; Sericite, Ca; Carbonates, Ms; Muscovite



Table 2-15 Results of Ore Microscopy (Drill Cores)

Sample No.	Depth	Minerals										Remarks		
		Py	As	Cp	Sp	Gn	Cv	Au	Tt	Po	Io			
<b>MJVB-3</b>														
301P	31.63 m													Qz veinlet (White/L-gray).
306P	80.03 m													Qz-Cal vein (White/L-gray), Py & Limo diss. Visible Au
313P	147.77 m	△												Qz-Cal network (L-gray), Py diss.
318P	230.96 m	△												Qz-Cal vein (White), Py & As diss.
322P	253.68 m	△												Qz vein/network (White/L-gray), Py & As diss.
<b>MJVB-4</b>														
402P	40.21 m	△												Qz-Cal vein (L-gray), Py diss.
408P	106.05 m													Qz-Cal vein (White), Py & Sp diss.
409P	115.56 m													Qz-Cal veinlet/network (White), Py & As diss.
413P	131.88 m													Qz-Cal veinlet/network (White), Py & As diss.
418P	146.33 m	△												Qz-Cal veinlet/network (White), Py & As diss.
426P	193.00 m													Qz vein (Black/White), Py diss.
<b>MJVB-5</b>														
501P	26.93 m													Qz vein (L-gray), Limo diss.
504P	65.57 m	△												Qz vein (White), Limo diss.
511P	142.35 m													Qz vein/veinlet (White/L-gray), Py diss.
518P	203.83 m	△												Qz veinlet/network (White/L-gray), Py diss.
<b>MJVB-6</b>														
603P	4.68 m													Qz vein/silicified zone (L-gray), Py & Limo diss.
614P	36.45 m	△												Qz vein (L-gray), Py diss.
621P	96.48 m													Qz vein (L-gray), Py diss.
624P	168.72 m	△												Qz veinlet (White), Py diss.
626P	187.33 m	△												Qz vein/veinlet (White), Py, Gn & Cp diss.

Abbreviations : Py:Pyrite, As:Arzenopyrite, Cp:Chalcopyrite, Sp:Sphalerite, Gn:Galena, Cv:Covellite, Au:Native Gold, Tt:Tetrahedrite-Tennantite, Po:Pyrrhotite, Io:Iron Oxide, Limo:Limonite.



**Table 2-16 Assay Results of Ore Samples (Drill Cores) (1)**

Ser No.	Sample No.	Depth (m)		Sample Width (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)	Remarks	
		From	To									
	<b>MJVB-3</b>											
1	301	31.35	31.90	55	0.020	0.6	0.003	<0.001	0.003	6.48	White/L-gray Qz veinlets	
2	302	32.22	32.45	23	0.010	<0.5	0.028	0.001	0.004	5.57	White/L-gray Qz veinlets, Py & Lmo diss.	
3	325Y	79.23	79.30	7	0.015	0.7	0.002	<0.001	0.007	4.98	White/L-gray Qz veinlet	
4	305	79.37	79.50	13	0.020	<0.5	0.003	<0.001	0.005	3.71	White/L-gray Qz veinlet, Lmo diss.	
5	306	79.85	80.20	35	75.600	3.0	0.005	0.001	0.005	3.77	White/L-gray Qz-Cal vein, Py & Lmo diss (n).	
6	307	84.97	85.40	43	0.310	<0.5	0.002	0.002	0.001	1.52	L-gray Qz vein, Py & Lmo diss (n).	
7	308	103.90	104.08	18	0.030	<0.5	0.001	0.003	0.002	2.14	L-gray Qz vein, Py & Lmo diss (n).	
8	310	109.25	110.15	90	0.020	<0.5	0.008	0.002	0.004	3.99	White/L-gray Qz veinlet/netwk zone, Py diss.	
9	311	131.70	132.03	33	0.070	<0.5	0.001	0.001	0.004	3.66	White/L-gray Qz-Cal vein, Py & An diss	
10	326Y	132.95	133.15	20	0.012	<0.5	0.001	0.001	0.005	5.06	White Qz veinlets, Py diss.	
11	312	141.74	141.92	18	0.020	<0.5	0.001	0.018	0.003	2.59	White/L-gray Qz-Cal vein, Py diss.	
12	313	147.60	147.93	33	1.770	<0.5	0.006	0.003	0.010	6.48	L-gray Qz-Cal vein/netwk zone, Py diss (n).	
13	327Y	154.05	154.12	7	0.053	<0.5	0.003	0.006	0.005	4.50	L-gray Qz-Cal vein, Py & An diss (n).	
14	314	175.32	175.55	23	0.150	<0.5	0.002	0.009	0.003	1.80	White/L-gray Qz vein, Py & An diss (n).	
15	315	180.95	181.08	13	0.020	<0.5	0.005	0.001	0.005	4.56	White Qz vein, Py & An diss (n).	
16	328Y	183.00	183.15	15	0.014	<0.5	0.001	0.001	0.005	4.56	White Qz vein	
17	316	183.50	183.75	25	0.020	<0.5	0.001	0.001	0.002	1.75	White Qz-Cal vein, Py & An diss (n).	
18	318	230.77	231.14	37	0.570	<0.5	0.001	0.001	0.001	3.15	White Qz-Cal vein, Py & An diss (n).	
19	329Y	232.20	232.37	17	<0.001	<0.5	0.004	0.003	0.002	3.55	White/L-gray Qz veinlets	
20	319	244.23	244.42	19	0.180	<0.5	0.003	0.001	0.001	2.48	White/L-gray Qz-Cal vein/netwk zone, Py & An diss (n).	
21	320	244.96	245.68	72	0.100	<0.5	0.002	0.002	0.003	4.90	White/L-gray Qz-Cal vein/netwk zone, Py & An diss (n).	
22	330Y	247.10	247.20	10	0.014	<0.5	0.001	<0.001	0.001	1.80	White/L-gray Qz-Cal vein/netwk zone, Py & An diss (n).	
23	321	247.55	248.34	79	0.050	<0.5	0.002	0.001	0.003	4.73	White/L-gray Qz-Cal vein/netwk zone, Py & An diss (n).	
24	331Y	250.10	250.40	30	0.025	<0.5	0.003	0.001	0.005	6.19	White/L-gray Qz-Cal vein/netwk zone, Py & An diss (n).	
25	322	253.40	253.95	55	0.020	1.0	0.003	0.005	0.004	4.34	White/L-gray Qz-Cal vein/netwk zone, Py & An diss (n).	
26	323	273.00	273.15	15	0.020	<0.5	0.001	0.002	0.001	1.52	White Qz vein	
	<b>MJVB-4</b>											
27	401	38.40	38.80	40	0.020	0.5	0.001	0.005	0.004	2.93	L-gray Qz-Cal vein, Py diss (w).	
28	402	40.05	40.37	32	0.010	<0.5	0.002	0.002	0.002	2.59	L-gray Qz-Cal vein, Py diss (w).	
29	403	53.93	54.47	54	0.020	<0.5	0.003	0.003	0.007	3.67	White Qz-Cal veinlets, Py diss (n).	
30	404	60.15	60.60	45	12.400	0.6	0.005	<0.001	0.007	4.22	White Qz-Cal veinlets, Py, An, & An diss (n).	
31	405	74.45	75.10	65	0.120	<0.5	0.004	0.002	0.008	4.28	White Qz-Cal veinlets, Py & An diss (n).	
32	407	102.45	102.94	49	0.110	<0.5	0.001	0.002	0.012	1.86	White Qz-Cal vein, Py diss (spot).	
33	409	115.48	115.64	16	0.050	<0.5	0.002	<0.001	0.004	2.31	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
34	410	116.67	117.95	128	0.050	<0.5	0.005	0.001	0.005	4.22	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
35	411	118.55	118.95	40	0.010	<0.5	0.003	0.003	0.002	1.80	White Qz-Cal veinlet/netwk zone, Py & An diss (n), Py & An diss (n).	
36	430Y	119.08	119.60	52	0.012	<0.5	0.007	0.004	0.011	5.01	White Qz-Cal veinlet/netwk zone, Py & An diss (n), Py & An diss (n).	
37	412	126.25	127.30	105	0.020	<0.5	0.003	<0.001	0.004	2.36	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
38	413	131.65	132.10	45	0.060	<0.5	0.005	0.002	0.005	5.06	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
39	415	143.40	143.75	35	0.020	<0.5	0.002	<0.001	0.005	2.59	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
40	416	145.40	145.50	10	0.010	0.5	0.004	0.001	0.008	4.22	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
41	417	145.53	145.88	35	0.020	<0.5	0.004	0.002	0.004	3.10	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
42	418	146.00	146.65	65	0.010	<0.5	0.003	0.001	0.003	2.59	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
43	419	147.00	147.55	55	0.010	<0.5	0.002	0.001	0.003	1.07	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
44	420	148.10	149.08	98	0.010	<0.5	0.003	0.002	0.007	3.10	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
45	421	153.04	153.53	49	0.200	<0.5	0.004	0.001	0.007	3.88	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
46	422	153.65	153.75	10	0.020	<0.5	0.004	0.001	0.007	3.82	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
47	423	153.90	153.98	8	0.020	<0.5	0.001	0.003	0.006	3.27	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
48	424	157.70	158.03	33	0.010	<0.5	0.003	0.001	0.004	2.14	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
49	425	161.23	161.40	17	0.020	<0.5	0.003	0.008	0.008	2.64	White Qz-Cal veinlet/netwk zone, Py & An diss (n).	
50	426	192.80	193.20	40	0.010	<0.5	0.001	0.002	0.004	1.24	Black/white banded Qz vein, Py diss (s).	
51	428	254.00	254.45	45	0.010	<0.5	0.002	0.001	0.002	2.36	Slit/clayey zone with Qz veinlets.	
52	429	256.29	256.40	11	0.120	<0.5	0.001	0.015	0.001	0.96	L-gray Qz-Cal vein, Py & An diss (n).	

Table 2-16 Assay Results of Ore Samples (Drill Cores) (2)

Ser No.	Sample No.	Depth (m)		Sample Width (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)	Remarks
		From	To								
	<b>MJVB-5</b>										
53	501	26.75	27.10	35	0.019	<0.5	0.002	<0.001	<0.001	1.01	L-gray Qz vein, Limo diss.
54	502	55.58	55.68	10	0.013	<0.5	0.002	0.001	0.007	4.05	White/L-gray Qz veinlets, Limo diss.
55	503	56.62	56.74	12	0.019	<0.5	0.003	0.001	0.005	7.01	White/L-gray Qz veinlets, Limo diss.
56	504	65.40	65.73	33	<0.001	<0.5	0.001	0.001	<0.001	1.21	White Qz vein, Limo diss.
57	506	101.10	101.25	15	0.059	<0.5	0.014	<0.001	0.002	3.21	L-gray Qz vein, Py diss.
58	507	101.95	102.15	20	0.026	0.6	0.001	0.001	0.001	1.41	L-gray Qz vein, Py diss.
59	508	106.00	106.15	15	0.049	<0.5	0.003	0.002	0.003	4.56	L-gray Qz veinlet/braccio, Py diss.
60	509	110.43	110.75	32	0.010	<0.5	0.002	0.002	0.002	3.85	L-gray Qz veinlet/network, Py diss.
61	510	120.10	120.25	15	0.020	<0.5	0.002	0.004	0.003	7.01	L-gray Qz veinlet/network, Py diss.
62	511	142.12	142.58	46	0.041	<0.5	0.004	0.002	0.004	3.15	White/L-gray Qz veins/veinlets, Py diss.
63	512	143.45	143.74	29	0.023	1.1	0.008	0.016	0.007	4.90	White/L-gray Qz veins/veinlets, Py diss.
64	513	144.10	144.50	40	0.037	0.8	0.006	0.003	0.007	4.08	Silicified zone, Blk clayey, Py diss.
65	514	145.00	145.20	20	0.015	<0.5	0.003	0.002	0.003	3.66	Silicified zone, Blk clayey, Py diss.
66	516	170.50	170.80	30	0.091	0.6	0.002	0.002	0.002	5.80	L-gray Qz network, Py diss.
67	523	194.67	194.93	26	0.013	1.1	0.005	0.005	0.007	5.54	L-gray Qz network, Py diss.
68	517	194.97	195.12	15	0.024	<0.5	0.006	0.005	0.010	4.36	L-gray Qz network, Py diss.
69	518	203.70	203.95	25	0.016	0.5	0.005	0.003	0.007	4.62	White/L-gray Qz veins/network, Py diss.
70	519	204.18	204.40	22	0.011	<0.5	0.005	0.004	0.008	4.73	White/L-gray Qz veins/network, Py diss.
71	520	204.70	205.00	30	0.013	0.5	0.004	0.005	0.008	4.36	White/L-gray Qz veins/network, Py diss.
72	521	263.25	263.61	36	0.020	<0.5	0.001	<0.001	0.004	3.49	L-gray Qz veins/network with Qtz and Chl, Py diss.
	<b>MJVB-6</b>										
73	618	2.13	2.50	37	0.023	1.1	0.002	0.008	0.003	3.60	Silicified zone with broken Qz.
74	601	2.80	3.10	30	0.034	1.3	0.004	0.016	0.006	6.47	L-gray Qz vein
75	602	4.00	4.50	50	0.011	0.7	0.002	0.021	0.002	1.80	L-gray Qz vein
76	603Y	4.60	4.75	15	0.012	1.4	0.003	0.012	0.009	4.93	L-gray Qz vein/silicified zone, Limo-Py diss.
77	604	6.60	6.80	20	0.010	1.0	0.003	0.006	0.002	3.43	L-gray Qz vein, Limo diss.
78	605Y	20.50	20.70	20	0.010	0.6	0.002	0.003	0.001	2.79	Silicified/silicified zone with Qz veinlets.
79	606	28.00	29.00	100	0.019	1.2	0.007	0.011	0.001	2.22	Clayey zone with Qz veinlets.
80	607	29.00	30.00	100	0.015	0.7	0.002	0.016	0.001	2.08	Clayey zone with Qz veinlets.
81	608	30.00	31.00	100	0.012	0.7	0.002	0.013	0.001	1.66	Clayey zone with Qz veinlets.
82	609	31.00	32.00	100	0.020	0.8	0.003	0.012	0.001	1.60	Clayey zone with Qz veinlets.
83	610	32.00	33.00	100	0.028	<0.5	0.003	0.007	0.001	2.53	Clayey zone with Qz veinlets.
84	611	33.00	34.00	100	0.044	1.0	0.003	0.011	0.001	1.41	Clayey zone with Qz veinlets.
85	612	34.00	35.00	100	0.039	0.7	0.011	0.015	0.001	2.67	Clayey zone with Qz veinlets.
86	613	35.00	36.35	135	0.025	1.0	0.004	0.007	0.001	1.91	Clayey zone with Qz veinlets.
87	614	36.35	36.55	20	0.014	1.1	0.005	0.009	0.001	3.60	L-gray Qz vein.
88	615Y	36.55	37.50	95	0.015	0.5	0.003	0.006	0.002	3.15	Clayey zone.
89	616	37.50	38.10	60	0.040	0.9	0.005	0.009	0.004	3.32	Clayey zone with Qz veinlets.
90	617	54.35	55.25	90	0.081	0.8	0.004	0.003	0.005	4.59	L-gray Qz vein.
91	619Y	68.05	68.15	10	0.107	1.3	0.001	0.001	<0.001	0.79	L-gray Qz vein.
92	620Y	90.80	90.95	15	0.046	0.5	0.006	0.005	0.012	10.39	L-gray Qz veinlets.
93	621	96.40	96.55	15	0.012	0.9	0.003	0.003	0.005	4.17	L-gray Qz vein, Py diss.
94	622	108.15	108.40	25	0.031	0.7	0.005	0.006	0.008	13.43	L-gray Qz veinlet/braccio, Limo diss.
95	624	168.63	168.80	17	0.015	<0.5	0.003	0.003	0.006	3.94	White Qz veinlets, Py diss.
96	625	173.05	173.40	35	0.018	<0.5	0.003	0.004	0.005	4.45	Qz veinlet/stringer zone, Py diss.
97	626	186.95	187.70	75	0.013	<0.5	0.002	0.003	0.005	4.19	White Qz veins/veinlets, Py, Qtz & Chl diss.
98	627	188.20	188.73	53	0.023	0.5	0.005	0.003	0.006	4.05	White Qz veins/veinlets, Py diss.
99	628	190.10	190.30	20	0.205	<0.5	0.002	0.003	0.004	3.26	White Qz veins/veinlets, Py diss.
100	629	258.75	259.20	45	0.011	<0.5	0.001	0.001	0.003	2.81	Silicified zone, Py diss.
101	630	279.72	280.30	58	0.012	0.7	0.003	0.005	0.009	5.63	L-gray Qz veinlets/network, Chl (c), Py diss.

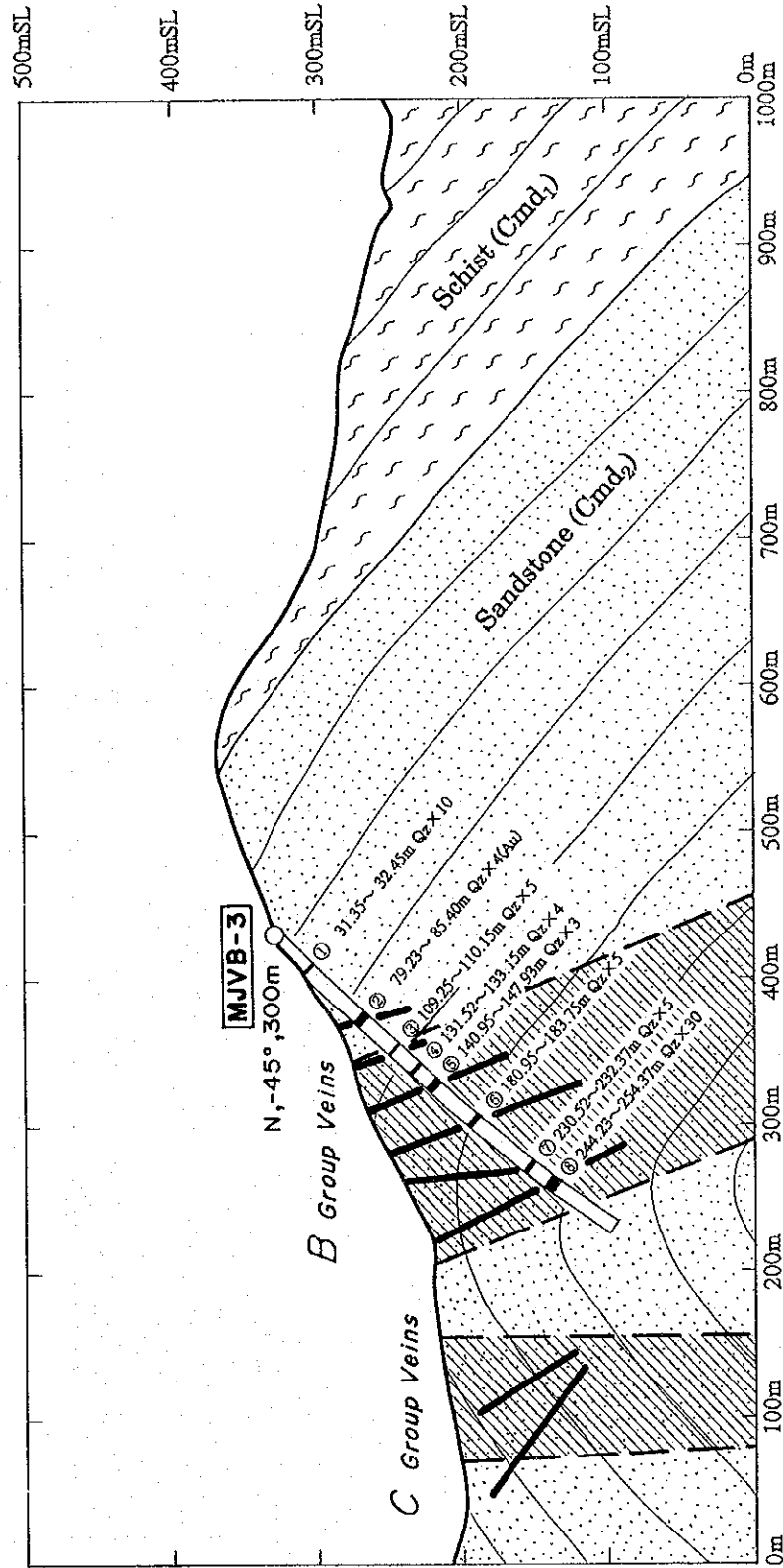
**Table 2-17 Methods of Analysis and Limits of Detection of Ore Samples**

Element	Method of Analysis	Detection Limit	Upper Limit
Au	Fire assay with AA finish	0.001ppm	150ppm
Ag	Total digestion with AA finish	0.5ppm	350ppm
Cu	Nitric aqua regia with ICP finish	0.001%	5%
Pb	ditto	0.001%	5%
Zn	ditto	0.001%	5%
Fe	HCl/KClO <sub>3</sub> extraction with ICP finish	0.01%	30%

\*AA means Atomic Absorption method.

Table 2-18 Results of Fluid Inclusion Studies (Drill Cores)

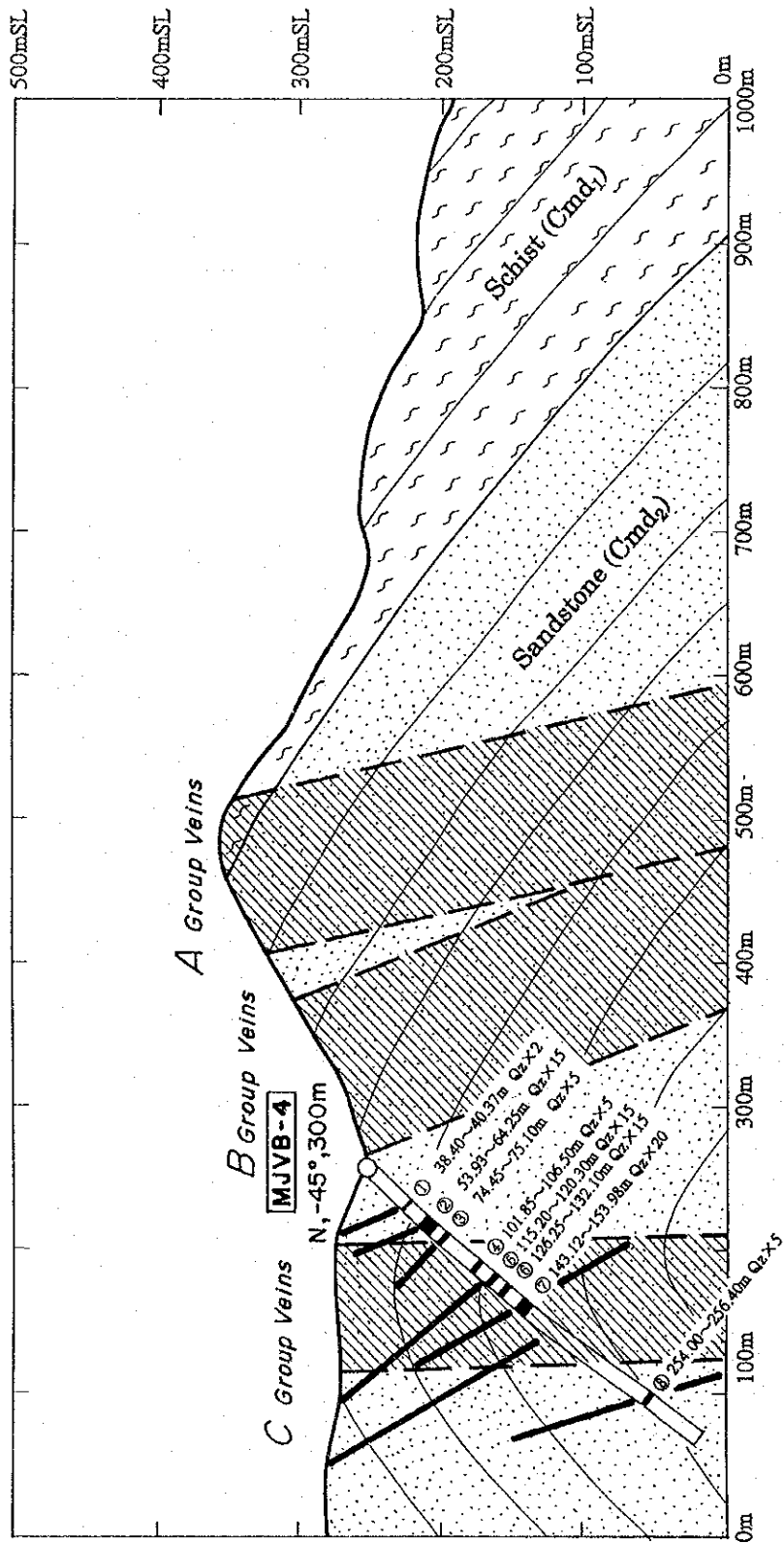
Ser No	Sample No	Drill Hole No & Depth	Number of Measured Inclusions	Homogenization Temperature			Salinity		Kind of Inclusions (Liquid-rich/Gas-rich/Polyphase)	Remarks
				Minimum (°C)	Maximum (°C)	Mean (°C)	(1) (NaCl eq.%)	(2) (NaCl eq.%)		
		<b>Da Mai Area</b>								
		<b>MJVB-3</b>								
1	305F	79.44	35	182	386	282	5.7	4.6	L+G+P White/L-gray Qz vein, Lmo diss.	
2	313F	147.77	15	209	244	225			L+G L-gray Qz-Cal-Oil network zone, Py diss (m).	
3	318F	230.96	27	146	278	201			L+G White Qz-Cal-Oil vein, Py & As diss (s).	
		<b>MJVB-4</b>								
4	402F	40.21	23	143	340	205	1.7	1.6	L+G+P L-gray Qz-Cal vein, Py diss (w).	
5	418F	146.33	42	186	298	245	4.3	2.9	L+G+P White Qz-Cal veins/network zone, Py & As diss (s).	
6	421F	153.29	26	180	299	234			L+G White Qz-Chl veins/network zone.	
7	429F	256.35	5	208	237	223			L+G L-gray Qz-Cal vein, Py & Gn diss (w).	
		<b>Ngan Me Area</b>								
		<b>MJVB-5</b>								
8	507F	102.05	17	142	192	173			L+G L-gray Qz vein, Py diss.	
9	521F	263.43	41	177	326	257	6.3	4.9	L+G+P L-gray Qz veins/networks with Oil and Chl Py diss	
		<b>MJVB-6</b>								
10	617F	54.80	12	160	198	182			L+G L-gray Qz vein.	



Ser No.	Sample No.	Depth (m)		Sample Width (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)
		From	To							
14	314	175.32	175.55	23	0.150	<0.5	0.002	0.009	0.003	1.80
15	315	180.95	181.08	13	0.020	<0.5	0.005	0.001	0.005	4.56
16	328Y	183.00	183.15	15	0.014	<0.5	0.001	0.001	0.005	4.56
17	316	183.50	183.75	25	0.020	<0.5	0.001	0.001	0.002	1.75
18	318	230.77	231.14	37	0.570	<0.5	0.001	0.001	0.001	3.15
19	328Y	232.20	232.37	17	<0.001	<0.5	0.004	0.003	0.002	3.55
20	319	244.23	244.42	19	0.180	<0.5	0.003	0.001	0.001	2.48
21	320	244.96	245.68	72	0.100	<0.5	0.002	0.002	0.003	4.90
22	330Y	247.10	247.20	10	0.014	<0.5	0.001	<0.001	0.001	1.80
23	321	247.55	248.34	79	0.050	<0.5	0.002	0.001	0.003	4.73
24	331Y	250.10	250.40	30	0.025	<0.5	0.003	0.001	0.003	6.19
25	322	253.40	253.95	55	0.020	1.0	0.003	0.005	0.004	4.34
26	323	273.00	273.15	15	0.020	<0.5	0.001	0.002	0.001	1.52

Ser No.	Sample No.	Depth (m)		Sample Width (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)
		From	To							
1	301	31.35	31.90	55	0.020	0.6	0.003	<0.001	0.003	6.48
2	302	32.22	32.45	23	0.010	<0.5	0.028	0.001	0.004	5.57
3	325Y	79.23	79.30	7	0.016	0.7	0.002	<0.001	0.007	4.98
4	305	79.37	79.50	13	0.020	<0.5	0.003	<0.001	0.005	3.71
5	306	79.85	80.20	35	75.600	3.0	0.005	0.001	0.005	3.77
6	307	84.97	85.40	43	0.310	<0.5	0.002	0.002	0.001	1.52
7	308	103.90	104.08	18	0.030	<0.5	0.001	0.003	0.002	2.14
8	310	109.25	110.15	90	0.020	<0.5	0.008	0.002	0.004	3.99
9	311	131.70	132.03	33	0.070	<0.5	0.001	0.001	0.004	3.66
10	326Y	132.95	133.15	20	0.012	<0.5	0.001	0.001	0.005	5.06
11	312	141.74	141.92	18	0.020	<0.5	0.001	0.018	0.003	2.59
12	313	147.60	147.93	33	1.770	<0.5	0.006	0.003	0.010	6.48
13	327Y	154.05	154.12	7	0.053	<0.5	0.003	0.006	0.005	4.50

Fig. 2-7 Geologic Section along the Drill Hole (MJVB-3)



Ser No.	Sample No.	Depth (m)		Sample Wt (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)
		From	To							
14	416	145.40	145.50	10	0.010	0.5	0.004	0.001	0.008	4.22
15	417	145.53	145.68	35	0.020	<0.5	0.004	0.002	0.004	3.10
16	418	146.00	146.65	65	0.010	<0.5	0.003	0.001	0.003	2.59
17	419	147.00	147.55	55	0.010	<0.5	0.002	0.001	0.003	3.97
18	420	148.10	149.08	98	0.010	<0.5	0.003	0.002	0.007	3.10
19	421	153.04	153.53	49	0.200	<0.5	0.004	0.001	0.007	3.88
20	422	153.65	153.75	10	0.020	<0.5	0.004	0.001	0.007	3.82
21	423	153.90	153.98	8	0.020	<0.5	0.001	0.003	0.006	3.27
22	424	157.70	158.03	33	0.010	<0.5	0.003	0.001	0.004	2.74
23	425	181.23	181.40	17	0.020	<0.5	0.003	0.008	0.008	2.64
24	426	192.80	193.20	40	0.010	<0.5	0.001	0.002	0.004	1.24
25	428	254.00	254.45	45	0.010	<0.5	0.002	0.001	0.002	2.36
26	428	256.23	256.40	11	0.120	<0.5	0.001	0.015	0.001	0.96

Ser No.	Sample No.	Depth (m)		Sample Wt (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)
		From	To							
1	401	38.40	38.80	40	0.020	0.5	0.001	0.005	0.004	2.93
2	402	40.05	40.37	32	0.010	<0.5	0.002	0.002	0.002	2.59
3	403	53.93	64.47	54	0.020	<0.5	0.003	<0.001	0.007	3.67
4	404	60.15	60.60	45	12.400	0.6	0.005	<0.001	0.007	4.22
5	405	74.45	75.10	65	0.120	<0.5	0.004	0.002	0.008	4.28
6	407	102.45	102.94	49	0.170	<0.5	0.001	0.002	0.012	1.86
7	409	115.48	115.84	16	0.050	<0.5	0.002	<0.001	0.004	2.31
8	410	116.67	117.95	128	0.050	<0.5	0.005	0.001	0.005	4.22
9	411	118.55	118.95	40	0.010	<0.5	0.003	0.003	0.002	1.80
10	430Y	119.08	119.80	52	0.012	<0.5	0.007	0.004	0.011	5.01
11	412	126.25	127.30	105	0.020	<0.5	0.003	<0.001	0.004	2.36
12	413	131.65	132.10	45	0.060	<0.5	0.003	0.002	0.005	5.06
13	415	143.40	143.75	35	0.020	<0.5	0.002	<0.001	0.005	2.58

Fig. 2-8 Geologic Section along the Drill Hole (MJVB-4)

Assay Results

Ser No.	Sample No.	Depth (m)		Sample Width (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)
		From	To							
<b>MJVB-3</b>										
1	301	31.35	31.90	55	0.020	0.6	0.003	<0.001	0.003	6.48
2	302	32.22	32.45	23	0.010	<0.5	0.028	0.001	0.004	5.57
3	325Y	79.23	79.30	7	0.015	0.7	0.002	<0.001	0.007	4.98
4	305	79.37	79.50	13	0.020	<0.5	0.003	<0.001	0.005	3.71
5	306	79.85	80.20	35	75.600	3.0	0.005	0.001	0.005	3.77
6	307	84.97	85.40	43	0.310	<0.5	0.002	0.002	0.001	1.52
7	308	103.90	104.08	18	0.030	<0.5	0.001	0.003	0.002	2.14
8	310	109.25	110.15	90	0.020	<0.5	0.008	0.002	0.004	3.99
9	311	131.70	132.03	33	0.070	<0.5	0.001	0.001	0.004	3.66
10	326Y	132.95	133.15	20	0.012	<0.5	0.001	0.001	0.005	5.06
11	312	141.74	141.92	18	0.020	<0.5	0.001	0.018	0.003	2.59
12	313	147.60	147.93	33	1.770	<0.5	0.006	0.003	0.010	6.48
13	327Y	154.05	154.12	7	0.053	<0.5	0.003	0.006	0.005	4.50
14	314	175.32	175.55	23	0.150	<0.5	0.002	0.009	0.003	1.80
15	315	180.95	181.08	13	0.020	<0.5	0.005	0.001	0.005	4.56
16	328Y	183.00	183.15	15	0.014	<0.5	0.001	0.001	0.005	4.56
17	316	183.50	183.75	25	0.020	<0.5	0.001	0.001	0.002	1.75
18	318	230.77	231.14	37	0.570	<0.5	0.001	0.001	0.001	3.15
19	329Y	232.20	232.37	17	<0.001	<0.5	0.004	0.003	0.002	3.55
20	319	244.23	244.42	19	0.180	<0.5	0.003	0.001	0.001	2.48
21	320	244.96	245.68	72	0.100	<0.5	0.002	0.002	0.003	4.90
22	330Y	247.10	247.20	10	0.014	<0.5	0.001	<0.001	0.001	1.80
23	321	247.55	248.34	79	0.050	<0.5	0.002	0.001	0.003	4.73
24	331Y	250.10	250.40	30	0.025	<0.5	0.003	0.001	0.005	6.19
25	322	253.40	253.95	55	0.020	1.0	0.003	0.005	0.004	4.34
26	323	273.00	273.15	15	0.020	<0.5	0.001	0.002	0.001	1.52

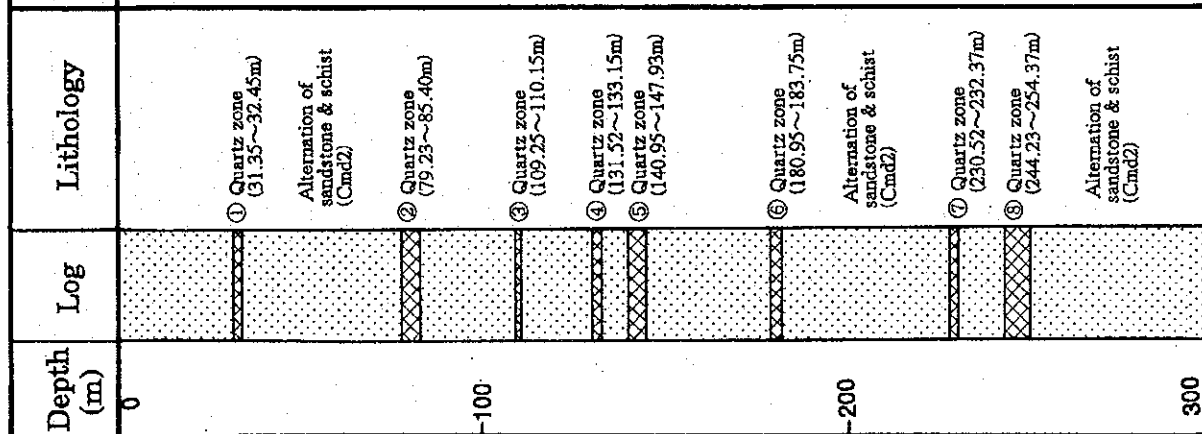


Fig. 2-9 Summary of Drill Log and Analytical Results of Core Samples (MJVB-3)

Assay Results

Ser No.	Sample No.	Depth (m)		Sample Width (cm)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Fe (%)
		From	To							
	<b>MJVB-4</b>									
1	401	38.40	38.80	40	0.020	0.5	0.001	0.005	0.004	2.93
2	402	40.05	40.37	32	0.010	<0.5	0.002	0.002	0.002	2.59
3	403	53.93	54.47	54	0.020	<0.5	0.003	0.003	0.007	3.67
4	404	60.15	60.60	45	12.400	0.6	0.005	<0.001	0.007	4.22
5	405	74.45	75.10	65	0.120	<0.5	0.004	0.002	0.008	4.28
6	407	102.45	102.94	49	0.110	<0.5	0.001	0.002	0.012	1.86
7	409	115.48	115.64	16	0.050	<0.5	0.002	<0.001	0.004	2.31
8	410	116.67	117.95	128	0.050	<0.5	0.005	0.001	0.005	4.22
9	411	118.55	118.95	40	0.010	<0.5	0.003	0.003	0.002	1.80
10	430Y	119.08	119.60	52	0.012	<0.5	0.007	0.004	0.011	5.01
11	412	126.25	127.30	105	0.020	<0.5	0.003	<0.001	0.004	2.36
12	413	131.65	132.10	45	0.060	<0.5	0.005	0.002	0.005	5.06
13	415	143.40	143.75	35	0.020	<0.5	0.002	<0.001	0.005	2.59
14	416	145.40	145.50	10	0.010	0.5	0.004	0.001	0.008	4.22
15	417	145.53	145.88	35	0.020	<0.5	0.004	0.002	0.004	3.10
16	418	146.00	146.65	65	0.010	<0.5	0.003	0.001	0.003	2.59
17	419	147.00	147.55	55	0.010	<0.5	0.002	0.001	0.003	1.07
18	420	148.10	149.08	98	0.010	<0.5	0.003	0.002	0.007	3.10
19	421	153.04	153.53	49	0.200	<0.5	0.004	0.001	0.007	3.88
20	422	153.65	153.75	10	0.020	<0.5	0.004	0.001	0.007	3.82
21	423	153.90	153.98	8	0.020	<0.5	0.001	0.003	0.006	3.27
22	424	157.70	158.03	33	0.010	<0.5	0.003	0.001	0.004	2.14
23	425	161.23	161.40	17	0.020	<0.5	0.003	0.008	0.008	2.64
24	426	192.80	193.20	40	0.010	<0.5	0.001	0.002	0.004	1.24
25	428	254.00	254.45	45	0.010	<0.5	0.002	0.001	0.002	2.36
26	429	256.29	256.40	11	0.120	<0.5	0.001	0.015	0.001	0.96

Alternation of sandstone & schist (Cmd2)

① Quartz zone (38.40~40.37m)

② Quartz zone (53.93~64.25m)

③ Quartz zone (74.45~75.10m)

Black schist (Cmd2)

④ Quartz zone (101.85~106.50m)

⑤ Quartz zone (115.20~120.30m)

⑥ Quartz zone (126.25~132.10m)

⑦ Quartz zone (143.12~153.98m)

Black schist (Cmd2)

⑧ Quartz zone (254.00~256.40m)

Alternation of sandstone & schist (Cmd2)

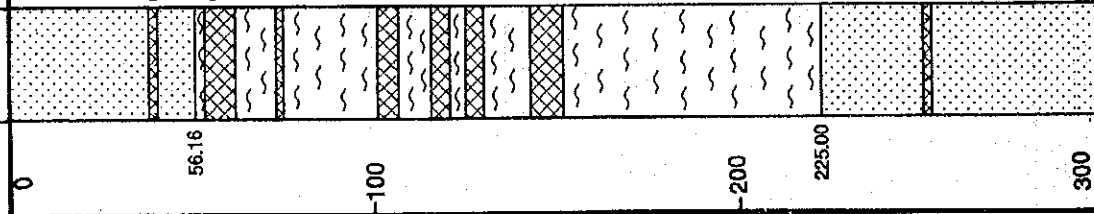


Fig. 2-10 Summary of Drill Log and Analytical Results of Core Samples (MJVB-4)





Fig. 2-11 Histogram of Homogenization Temperature of Fluid Inclusions (Drill Cores)

#### 1-4-2 Ngan Me Area

The geology of the area where drilling exploration was carried out this year is composed of schist and sandstone of the Tan Sa ( $S_{3181}$ ) and Mo Dong Formations ( $C_{md2}$ ).

Weathered schist and sandstone occur below the surface soil (a few to 30 cm thick), and extends to 2 to 4 m deep along the drill hole (every hole has drilled at an angle of  $-45$  degrees). Bedrock appears below about 40 m in depth. The results of laboratory works and assaying of drill cores are briefly listed in Tables 2-13 to 2-18. Drill hole sections are shown in Fig. 2-12.

**MJVB-5:** The geology around the drill hole MJVB-5 is composed of schist and sandstone of the Tan Sa Formation. It is located at the upper reaches of Na Hon creek. The altitude of the drill hole is about 200 m above sea level. The purpose of this hole was to investigate the lower extension of gold mineralization in the southern part of the Ba Khe prospect. It mainly targeted at the Na Hon Group veins in the Ba Khe prospect. The geology of the drill hole is divided into two series: an alternating bed of sandstone and schist (upper part), and sandstone with intercalation of schist layers (lower part). The details of geology of the drill hole are described as follows.

0.00 - 8.00 m: Yellow/light brown/gray saprolite (weathered schist). Limonite in cleavage.

8.00 - 40.00 m: Yellow/light brown/light gray fine-banded weakly weathered schist, containing light gray quartz vein (26.75 - 27.10 m quartz vein 35 cm with limonite in druse).

40.00 - 63.40 m: Mainly light brown/gray weakly weathered schist, injected by white/light gray quartz veins/veinlets (55.60, 55.67, 56.85 m veinlets 2 - 3 cm, 56.32 - 56.39 m veinlet 7 cm, 56.62 - 56.74 m quartz vein 12 cm). Limonite in cleavage.

63.40 - 64.12 m: Black fine-banded weakly weathered schist. Pyrite disseminated. Pyritization, and weak silicification.

64.12 - 66.00 m: Light gray fine-banded weathered schist, containing white quartz vein with pyrite and arsenopyrite (65.40 - 65.73 m quartz vein 33 cm). Weak pyritization, chloritization, sericitization and silicification.

66.00 - 87.90 m: Black, some place gray/light gray fine-banded schist, injected by white/light gray quartz veinlets/networks (73.30 - 73.67, 85.38 - 85.56, 86.23 - 86.40, 87.20 - 87.48 m networks; 74.82 and 85.20 m veinlets 1 cm). Pyrite and occasionally arsenopyrite disseminated in schist and quartz veinlets/networks. Strong pyritization, weak sericitization chloritization and silicification.

87.90 - 95.60 m: Mainly gray fine grain quartzitic sandstone, injected by white/light gray quartz veinlets (88.75, 89.60 and 90.10 m quartz veinlet with pyrite 1 cm). Pyrite disseminated. Pyritization, weak sericitization, silicification and chloritization.

95.60 - 104.00 m: Alternation of gray fine grain quartzitic sandstone/psammite and black fine-banded schist, injected by white/light gray quartz vein/veinlet/networks (96.74 m veinlet 2 cm; 96.86 - 96.96 m quartz vein with pyrite and arsenopyrite 10 cm; 99.05 - 99.15 and 99.77 - 99.97 m quartz networks with pyrite, 101.10 - 101.25 m quartz vein with pyrite, arsenopyrite 15 cm; 101.80 m veinlet 5 cm with

pyrite, and 101.95 - 102.15 m quartz vein with pyrite 20 cm). Pyrite weakly disseminated. Strong silicification; weak pyritization, sericitization and chloritization.

104.00 - 110.85 m: Mainly gray fine grain quartzitic sandstone, some place with dark gray schist and psammite, injected by white/light gray quartz veinlets/networks with pyrite and arsenopyrite (105.00, 106.65 m veinlets 1 - 1.5 cm, 107.47 m veinlet 3cm, 106.00 - 106.15 and 110.43 - 110.75 m networks). Pyrite and occasionally arsenopyrite disseminated. Strong sericitization, silicification; weak pyritization, carbonitization and chloritization.

110.85 - 113.05 m: Dark gray/black fine-banded schist, injected by quartz veinlets < 0.5 cm. Pyrite weakly disseminated. Strong silicification; weak sericitization, pyritization and chloritization.

113.05 - 114.15 m: Mainly gray quartzitic sandstone/psammite, containing white quartz veinlet (114.05 m veinlet 2 cm). Strong silicification; weak pyritization and silicification.

114.15 - 120.20 m: Mainly gray fine grain quartzitic sandstone, injected by white/light gray quartz veinlets/network (115.07, 115.95, 116.10, 118.57, 118.95, 119.20 and 119.60 m quartz veinlets 1 - 3 cm; 120.10 - 120.20 m network). Pyrite disseminated. Weak pyritization, chloritization, sericitization and silicification.

120.20 - 120.70 m: Black fine-banded schist. Weak sericitization and silicification.

120.70 - 122.25 m: Gray fine grain quartzitic sandstone, injected by light gray quartz veinlets < 0.5 cm. Weak sericitization and silicification.

122.25 - 123.00 m: Black fine-banded schist. Weak sericitization and silicification.

123.00 - 124.50 m: Gray fine grain quartzitic sandstone, injected by light gray quartz veinlets < 0.5 cm. Weak sericitization and silicification.

124.50 - 131.50 m: Alternation of gray psammite and fine grain quartzitic sandstone, containing light gray quartz vein and quartz network (130.60 - 131.00m quartz network; 131.25 - 131.35 m quartz vein 10 cm), and injected by white/light gray quartz veinlets < 0.5 cm. Pyrite weakly disseminated. Silicification, pyritization; weak sericitization and chloritization.

131.50 - 133.60 m: Mainly gray fine grain quartzitic sandstone, injected by light gray quartz veinlets < 0.5 cm. Weak sericitization and silicification.

133.60 - 140.35 m: Alternation of gray psammite and dark gray fine-banded schist, containing light gray quartz veinlets (135.50 m veinlet 1.5 cm; 136.15 m veinlets 4 cm). Weak sericitization and silicification.

140.35 - 142.12 m: Black fine-banded schist. Silicification; weak sericitization and chloritization.

142.12 - 145.00 m: Black fine-banded schist, containing light gray quartz zone, quartz veinlet/network (142.12 - 142.58 and 143.45 - 143.74 m quartz zones: mixture of massive quartz breccias and black schist; 143.18 m veinlet 5 cm; 144.10 - 144.50m network). Pyrite weakly disseminated. Weak pyritization, sericitization, silicification and chloritization.

145.00 - 160.00 m: Black/gray/light gray fine banded silicified schist, injected by white/light gray quartz veinlets < 0.5 cm. Pyrite weakly disseminated. Strong silicification; weak sericitization pyritization and chloritization.

160.00 - 173.00 m: Alternation of gray/dark gray fine-banded schist and gray psammite, injected by

white quartz veinlets < 0.5 cm. 170.50 – 170.80 m quartz network. Pyrite weakly disseminated. Strong silicification; weak sericitization pyritization and chloritization.

173.00 - 180.30 m: Alternation of gray fine grain quartzitic sandstone, psammite and gray/dark gray fine-banded schist. Silicification; weak sericitization and chloritization.

180.30 - 185.15 m: Black fine-banded, some place folded schist, injected by white quartz veinlets < 0.5 cm. Pyrite occasionally disseminated in cleavage and schistosity. Weak pyritization, sericitization and silicification.

185.15 - 190.80 m: Alternation of gray/dark gray psammite and dark gray/black fine-banded schist. Pyrite and occasionally arsenopyrite disseminated in cleavage and schistosity. Strong silicification; weak sericitization pyritization and chloritization.

190.80 - 194.55 m: Mainly gray/light gray psammite, containing layers of black fine-banded schist (191.98 - 192.30 and 193.60 - 194.13 m) and injected by white quartz folded network with pyrite (193.68 - 193.76 m). Pyrite and arsenopyrite disseminated in schistosity, cleavage and quartz veinlets. Strong silicification, pyritization weak sericitization and chloritization.

194.55 – 215.00 m: Mainly black fine-banded, some place folded schist, containing white/light gray quartz networks and quartz veinlets < 1 cm (194.67 - 194.93 and 194.97 - 195.12 m folded networks with pyrite < 1 cm, 203.70 - 203.95, 204.18 - 204.40 and 204.70 - 205.00 m quartz network and banded network with pyrite). Pyrite, arsenopyrite disseminated in schistosity, cleavage and quartz veinlets. Strong silicification, pyritization weak sericitization, carbonitization and chloritization.

215.00 - 234.80 m: Alternation of gray/light gray psammite and fine grain quartzitic sandstone, some place with dark gray fine-banded schist, injected by light gray quartz veinlets (220.70 m quartz veinlet with pyrite 3 cm; other veinlets < 0.5 cm). Pyrite weakly disseminated. Strong silicification; weak sericitization pyritization and chloritization.

234.80 - 237.85 m: Mainly gray/light gray fine grain quartzitic sandstone, injected by white quartz veinlets < 0.5 cm. Weak sericitization and chloritization.

237.85 - 253.85 m: Mainly gray/light gray psammite/fine grain quartzitic sandstone, injected by white quartz veinlets < 0.5 cm. Pyrite weakly disseminated in cleavage and quartz veinlets. Weak silicification, pyritization, sericitization and chloritization.

253.85 - 255.53 m: Mainly dark gray fine-banded schist, some place with dark gray psammite. Pyrite disseminated in schistosity, and cleavage. Strong silicification; pyritization; weak sericitization and chloritization.

255.53 - 267.13 m: Alternation of gray/light gray psammite and fine grain quartzitic sandstone, some place with dark gray fine-banded schist, injected by white/light gray quartz veinlets/network (256.25m veinlet 5 cm; 259.85, 263.60 m veinlets 2 cm; 263.25 - 263.43 quartz-carbonate (calcite, ankerite) network with pyrite). Chlorite occurs in quartz. Pyrite weakly disseminated. Weak silicification, pyritization, sericitization and chloritization.

267.13 - 268.53 m: Dark gray fine-banded schist with gray psammite, injected by white quartz veinlets < 0.5 cm. Pyrite weakly disseminated. Silicification; weak sericitization pyritization and chloritization.

268.53 - 269.55 m: Gray fine grain quartzitic sandstone. Weak sericitization and chloritization.

269.55 - 271.90 m: Mainly dark gray/black fine-banded schist. Pyrite disseminated in schistosity and cleavage. Pyritization; weak silicification and chloritization.

271.90 - 274.42 m: Mainly gray/dark gray fine grain quartzitic sandstone. Pyrite weakly disseminated. Weak sericitization pyritization and chloritization.

274.42 - 278.60 m: Mainly dark gray and black fine-banded schist, with gray/dark gray fine grain quartzitic sandstone (275.43 - 276.18 m), injected by white/light gray quartz veinlets < 0.5 - 2 cm (274.45 m veinlet with pyrite 2 cm). Pyrite, arsenopyrite disseminated in quartz veinlet, schistosity and cleavage. Pyritization; weak silicification and chloritization.

278.60 - 291.00 m: Alternation of gray/dark gray fine grain quartzitic sandstone, psammite and black fine-banded schist with white/light gray quartz veinlets < 0.5 cm. Pyrite, arsenopyrite disseminated in cleavage and schistosity. Pyritization; weak sericitization, silicification and chloritization.

291.00 - 295.70 m: Mainly gray fine grain quartzitic sandstone, injected by white quartz veinlets < 0.5 cm. Weak sericitization and chloritization.

295.70 - 300.00 m (EOH): Alternation of gray fine grain quartzitic sandstone, psammite and black fine-banded schist, with white/light gray quartz veinlets 2 cm (297.60 m). Pyrite, arsenopyrite occasionally disseminated in cleavage and schistosity. Pyritization; weak sericitization, silicification and chloritization.

**MJVB-6:** The geology around the drill hole MJVB-6 is composed of schist and sandstone of the Tan Sa and Mo Dong Formations. It is located at the upper reaches of Ba Khe creek. The altitude of the drill hole is about 200 m above sea level. The purpose of this hole was to investigate the lower extension of gold mineralization in the central part of the Ba Khe prospect. It mainly targeted at the Ba Khe Group veins in the Ba Khe prospect. The geology of the drill hole is composed of two series: an alternating bed of sandstone and schist (upper part, Tan Sa Formation), and sandstone with intercalation of schist layers (lower part, Mo Dong Formation). The details of geology of the drill hole are described as follows.

0.00 - 7.00 m: Yellow/light brown/gray saprolite (weathered broken, psammite), containing light gray broken quartz (2.13 - 2.51, 2.80 - 3.10, 4.00 - 4.50, 4.60 - 4.75, 5.80 - 5.90 m), and light gray quartz vein with limonite 20 cm (6.60 - 6.80 m). Limonite in cleavage. Strong sericitization.

7.00 - 7.70 m: Gray weakly weathered schist, some place with porous limonite.

7.70 - 9.05 m: Light gray medium grain weakly weathered sandstone. Sericitization and weak silicification.

9.05 - 11.10 m: Light gray weathered psammite, some place with light gray broken quartz (9.40 - 9.55 m). Limonite in cleavage. Strong sericitization.

11.10 - 13.50 m: Gray weakly weathered schist, some place with porous limonite. Limonite in cleavage.

13.50 - 17.70 m: Light gray/yellow, some part brown/light brown weakly weathered psammite. 16.00 -

16.06 m white/light gray quartz veinlet with limonite. Limonite in cleavage. Strong sericitization.

17.70 - 19.00 m: Gray/light gray weakly weathered fine-banded schist. Limonite in cleavage.

19.00 - 21.10 m: Light gray/yellow, some part brown/light brown weakly weathered psammite. 20.50 - 20.70 m sheared and silicified. Limonite in cleavage. Partly strong sericitization.

21.10 - 23.00 m: Gray/dark gray weakly weathered fine-banded schist. 22.60 - 23.00 m no core (old adit). Limonite in cleavage. Strong sericitization and weak silicification.

23.00 - 28.00 m: Mainly light gray/yellow/ brown/light brown weakly weathered psammite, some place with gray fine-banded schist, injected by broken quartz veinlets < 0.5 cm. Pyrite occasionally disseminated. Limonite in cleavage. Sericitization and weak silicification.

28.00 - 36.55 m: Mainly gray/light gray/light brown weakly weathered fine-banded clayey schist with white/light gray broken quartz (29.00 - 29.20, 29.67 - 29.77, 30.90 - 31.00, 31.20 - 31.23, 31.80 - 2.00 m), containing gray/brown quartz vein with porous limonite 20 cm (36.35 - 36.55 m). Limonite and occasionally pyrite disseminated. Limonite in cleavage. Strong sericitization; weak silicification, kaolinization and pyritization. Pyrite disseminated.

36.55 - 42.55 m: Mainly light gray/yellow/ brown/light brown weakly weathered sandstone psammite, containing white/light yellow broken quartz with limonite (37.50 - 37.65 m). Pyrite occasionally disseminated. 41.00 - 42.55 m no core (old adit). Limonite in cleavage. Strong sericitization and weak pyritization.

42.55 - 55.00 m: Mainly light red/yellow/light brown weakly weathered sandstone, some place with psammite and schist. Limonite in cleavage. Weak sericitization. 54.35 - 55.00 m no core (old adit).

55.00 - 61.60 m: Mainly red/light brown/light yellow weathered psammite/schist, some place with weathered sandstone, and containing opaque white/gray quartz vein 20 cm (55.00 - 55.20 m broken quartz). Sericitization and weak silicification.

61.60 - 76.55 m : Mainly light gray/light yellow/light brown weathered sandstone, containing light gray quartz veinlets with limonite 1 - 2.5 cm (68.10 m). Pyrite disseminated. Limonite in cleavage. Sericitization and weak silicification.

76.55 - 79.40 m: Mainly light yellow/light gray weakly weathered psammite/schist. Pyrite occasionally disseminated. Limonite in cleavage. Weak sericitization and pyritization. Pyrite occasionally disseminated.

79.40 - 83.45 m: Light gray/light yellow weathered fine grain sandstone. Limonite in cleavage. Weak sericitization.

83.45 - 86.25 m: Gray/light gray/light yellow weakly weathered, fine-banded schist, containing weathered quartz veinlets < 0.5 cm. Limonite in cleavage. Sericitization.

86.25 - 89.88 m: Light gray/light yellow weathered fine grain sandstone, injected by quartz veinlets < 0.5 cm. Limonite in cleavage. Weak sericitization and pyritization.

89.88 - 91.80 m: Gray/light gray some place black weakly weathered, fine-banded schist, containing weathered quartz veinlets 2 cm x 2 (90.85, 90.90 m). Pyrite weakly disseminated. Limonite in cleavage. Weak sericitization and pyritization.

91.80 - 94.50 m: Black, some place brown/light brown fine-banded schist. Pyrite weakly disseminated.

Limonite in cleavage. Weak sericitization and pyritization.

94.50 - 95.10 m: Gray weakly weathered fine grain sandstone. Pyrite occasionally disseminated. Limonite in cleavage. Weak sericitization and pyritization.

95.10 - 103.35 m: Mainly black fine-banded schist, containing gray/light brown quartz vein/veinlet (95.30 m veinlet 2.5 cm; 96.40 - 96.55 m quartz vein with pyrite, arsenopyrite and porous limonite 15 cm). Pyrite and occasionally arsenopyrite disseminated. Limonite in cleavage. Weak sericitization and pyritization.

103.35 - 104.70 m: Mainly gray fine grain quartzitic sandstone/psammite. Pyrite and occasionally arsenopyrite disseminated. Sericitization and weak silicification, pyritization.

104.70 - 110.00 m: Mainly gray/light gray coarse grain (gradually change to fine grain) quartzitic sandstone, some place with psammite, injected by light gray/brown quartz network with limonite (108.15 - 108.40 m) and quartz veinlet  $x \ 4 < 0.5$  cm. Strong sericitization and weak chloritization. Limonite in cleavage.

110.00 - 115.07m: Mainly light gray/brown fine grain quartzitic sandstone, some place with gray psammite and dark gray fine banded schist, injected by gray/brown quartz veinlets with limonite  $< 1.0$  cm. Strong sericitization and chloritization. Limonite in cleavage.

115.07 - 120.10 m: Gray/dark gray fine-banded schist. Weak sericitization, chloritization and silicification.

120.10 - 125.20 m: Mainly gray/light gray coarse grain quartzitic sandstone, injected by gray/brown quartz veinlets with limonite  $< 1.0$  cm. Sericitization and weak chloritization. Limonite in cleavage.

125.20 - 132.40 m: Mainly gray/dark gray fine banded folded schist. Pyrite weakly disseminated in cleavage. Weak sericitization, silicification chloritization and pyritization.

132.40 - 137.00 m: Mainly gray/light gray coarse grain, some place weakly weathered quartzitic sandstone, injected by gray/brown quartz veinlets with limonite  $< 0.5$  cm. Pyrite weakly disseminated in cleavage. Weak sericitization, silicification chloritization and pyritization.

137.00 - 138.95 m: Dark gray fine-banded schist. Pyrite weakly disseminated in cleavage and schistosity. Weak sericitization, chloritization, silicification and pyritization.

138.95 - 140.15 m: Gray/dark gray/green gray coarse grain, some place weakly weathered quartzitic sandstone. Pyrite occasionally disseminated; limonite in porous and cleavage. Sericitization, chloritization and weak pyritization.

140.15 - 141.35 m: Gray/dark gray fine-banded schist. Pyrite disseminated in cleavage and schistosity. Sericitization, chloritization, pyritization and weak silicification.

141.35 - 149.70 m: Gray/dark gray/green gray coarse grain, some place fine grain, partly weathered quartzitic sandstone, containing gray quartz veinlet 1 cm (148.60 m). Pyrite disseminated. Strong sericitization and weak pyritization, chloritization.

149.70 - 155.75 m: Mainly black fine-banded schist, some place with gray quartzitic psammite. Pyrite and arsenopyrite weakly disseminated in schistosity. Weak sericitization, pyritization and chloritization.

155.75 - 165.33 m: Mainly gray fine grain quartzitic sandstone, some place with gray/dark gray

psammite and dark gray/black fine banded schist, injected by white/light gray quartz veinlets (157.12, 160.13 and 160.20 m quartz veinlets 1 - 3 cm). Pyrite disseminated in cleavage. Pyritization; weak sericitization and chloritization.

165.33 - 175.60 m: Mainly black fine-banded partly folded schist, injected by white/light gray quartz networks and others quartz veinlets < 0.5 - 2 cm (168.63 - 168.80, 172.55 - 172.90 and 173.05 - 173.40 m quartz networks with pyrite, arsenopyrite; 173.60 veinlet with pyrite, arsenopyrite 2 cm). Pyrite and arsenopyrite disseminated in cleavage and schistosity. Strong pyritization, silicification; weak sericitization, kaolinization and chloritization.

175.60 - 186.95 m: Alternation of black fine-banded, folded schist and gray/dark gray psammite, injected by white/light gray quartz veinlets with pyrite, arsenopyrite. Pyrite and arsenopyrite disseminated in cleavage and schistosity. Strong pyritization, silicification; weak sericitization and chloritization.

186.95 - 187.70 m: Quartz zone: Mixture of light gray massive quartz, breccias and black schist with pyrite, arsenopyrite and chlorite. A small amount of galena and chalcopyrite is contained. Strong sericitization, pyritization and chloritization.

187.70 - 194.30 m: Mainly gray fine grain quartzitic sandstone, some place with gray psammite/black schist, injected by white quartz networks (188.20 - 188.73, 190.10 - 190.30 m) and quartz veinlets < 0.5 cm. Pyrite occasionally disseminated in cleavage. Sericitization, chloritization, pyritization and weak silicification.

194.30 - 196.30 m: Gray/dark gray fine grain quartzitic sandstone, containing white quartz veinlets < 0.5 cm. Pyrite occasionally disseminated. Strong sericitization and weak pyritization, chloritization.

196.30 - 199.00 m: Alternation of gray fine grain quartzitic sandstone and psammite. Pyrite weakly disseminated. Strong sericitization and weak pyritization, chloritization.

199.00 - 201.65 m: Gray fine grain quartzitic sandstone, containing light gray quartz veinlet 2 cm (200.77 m). Pyrite weakly disseminated. Strong sericitization, silicification and chloritization; weak pyritization.

201.65 - 203.15 m: Mainly gray quartzitic psammite. Pyrite occasionally disseminated in cleavage. Strong sericitization, silicification; weak pyritization and chloritization.

203.15 - 205.00 m: Gray fine grain quartzitic sandstone. Pyrite weakly disseminated. Strong sericitization, silicification and chloritization; weak pyritization.

205.00 - 207.00 m: Alternation of gray fine grain quartzitic sandstone and psammite. Pyrite weakly disseminated.

Strong sericitization, silicification and chloritization; weak pyritization.

207.00 - 209.00 m: Dark gray medium grain quartzitic sandstone, injected by light gray quartz veinlet 1.5 cm (208.70 m) and veinlets < 0.5 cm. Pyrite occasionally disseminated in cleavage. Strong sericitization, silicification and chloritization; weak pyritization.

209.00 - 212.00 m: Mainly dark gray/black fine-banded schist, some place with psammite. Pyrite disseminated in cleavage and schistosity. Pyritization, silicification; weak sericitization and chloritization.



212.00 - 215.00 m: Alternation of gray/dark gray quartzitic psammite and dark gray/black fine-banded schist. Pyrite weakly disseminated. Strong sericitization, silicification; weak chloritization and pyritization.

215.00 - 218.20 m: Mainly dark gray fine grain quartzitic sandstone, injected by light gray quartz veinlet 2 cm (216.45 m). Pyrite weakly disseminated. Strong sericitization, silicification; weak chloritization and pyritization.

218.20 - 223.00 m: Mainly dark/gray black fine-banded schist, some place with psammite. Pyrite occasionally disseminated in cleavage and schistosity. Strong sericitization, silicification; weak pyritization and chloritization.

223.00 - 238.85 m: Mainly dark gray medium, gradually change to fine grain quartzitic sandstone, some place with black fine-banded schist. Pyrite weakly disseminated. Strong sericitization, silicification and chloritization; weak pyritization.

238.85 - 242.00 m: Alternation of gray/dark gray fine grain quartzitic sandstone and psammite, some place with dark gray fine-banded schist. Pyrite weakly disseminated. Strong silicification, sericitization; weak chloritization and pyritization.

242.00 - 250.00 m: Mainly gray/dark gray/green gray medium/fine grain quartzitic sandstone, containing white/light gray quartz veinlets < 0.5 - 2 cm (244.27, 245.75 and 246.17 m veinlets 1 - 2 cm). Pyrite weakly disseminated. Strong silicification, sericitization; weak pyritization and chloritization.

250.00 - 252.00 m: Gray silicified fine-banded schist. Pyrite weakly disseminated in cleavage. Strong silicification; weak sericitization, chloritization and pyritization.

252.00 - 255.85 m: Mainly gray/dark gray/green gray medium/fine grain quartzitic sandstone, injected by white/light gray quartz veinlets < 0.5 cm. Pyrite weakly disseminated. Strong silicification, sericitization; weak pyritization and chloritization.

255.85 - 260.05 m: Mainly gray silicified fine-banded schist, some place with gray psammite, containing quartz zone (258.75 - 259.20 m: mixture of light gray massive quartz and silicified schist with sericite, chlorite and pyrite). Pyrite disseminated. Strong sericitization, silicification and chloritization; weak pyritization.

260.05 - 269.35 m: Mainly gray/dark gray/green gray medium/fine grain quartzitic sandstone, injected by white/light gray quartz veinlets (266.05, 267.00, 267.78 and 268.10 m veinlets 1 - 2 cm). Pyrite weakly disseminated. Strong sericitization, silicification; weak chloritization and pyritization.

269.35 - 275.85 m: Mainly dark gray/black fine-banded silicified schist, some place with gray fine grain quartzitic sandstone and psammite. Pyrite, arsenopyrite weakly disseminated in cleavage and schistosity. Strong silicification, sericitization, and chloritization; weak pyritization.

275.85 - 277.75 m: Mainly gray/dark gray medium grain quartzitic sandstone, some place with dark gray fine-banded silicified schist, injected by light gray quartz veinlets (276.35, 277.40 m veinlets 2 cm; 276.70 m veinlet 7 cm). Pyrite weakly disseminated. Strong silicification, sericitization, and chloritization; weak pyritization.

277.75 - 280.40 m: Mainly dark gray/black fine-banded silicified schist, some place with gray fine grain

quartzitic sandstone and psammite, containing quartz zone (279.73 - 280.25 m): mixture of light gray massive quartz, breccias and silicified schist. Pyrite, arsenopyrite weakly disseminated in cleavage and schistosity. Strong sericitization, silicification and chloritization; weak pyritization.

280.40 - 284.80 m: Mainly dark gray medium, gradually change to fine grain quartzitic sandstone, some place with black fine-banded silicified schist, injected by light gray quartz veinlet 2 cm (284.20 m). Strong silicification, sericitization, and chloritization; weak pyritization.

284.80 - 295.00 m : Mainly dark gray/black fine-banded, strongly silicified schist, some place with gray psammite, containing white/light gray quartz veinlet/network with pyrite and chlorite (286.65 m quartz veinlet 4 cm; 287.15 - 287.50 m quartz network). Pyrite and occasionally arsenopyrite disseminated. Strong silicification, sericitization and chloritization; weak pyritization.

295.00 - 297.65 m: Mainly dark/gray fine-banded silicified schist, injected by white/gray quartz veinlets (295.80 and 296.65 veinlets 1 - 2 cm). Pyrite disseminated in cleavage and schistosity. Strong silicification, sericitization and pyritization; weak chloritization.

297.65 m – 300.00 m (EOH): Gray psammite, containing white/light gray quartz veinlets < 1 cm. Pyrite weakly disseminated. Strong silicification, sericitization; weak pyritization and chloritization.