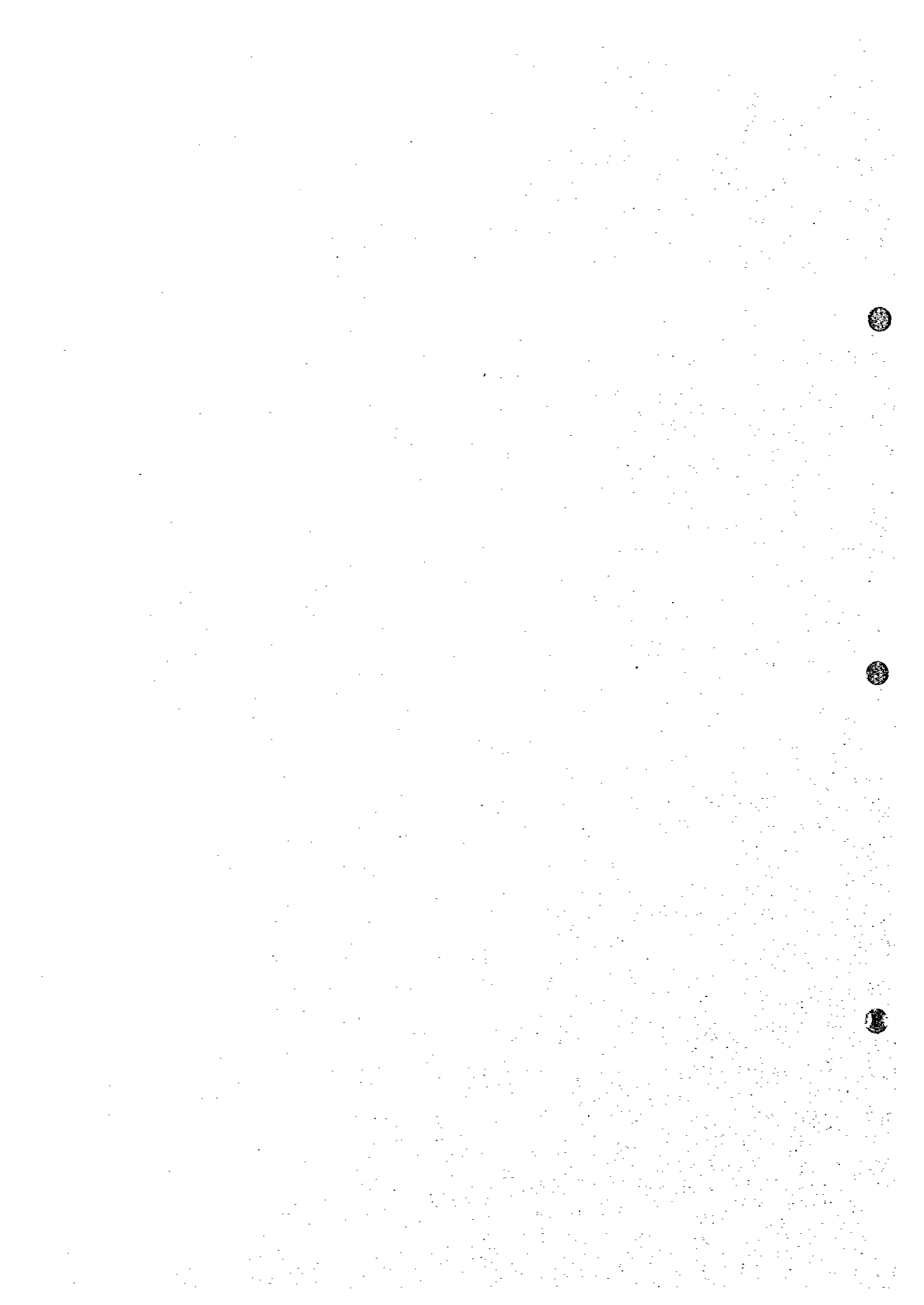


## 第Ⅲ部

### 結論及び提言



### 第III部 結論及び提言

#### 第1章 結論

第1年次調査の結果、WS地区、WN地区北東部及びCB地区北部で白金鉍床が潜在する可能性が指摘された。今年度はWS地区において5孔のボーリング調査を実施し、鉍化帯の捕捉、新鉍床の発見に努めた。

ボーリング調査の概要は以下のとおりである。

MJZS-1号 (W, -60°)	400.00m
MJZS-2号 (W, -60°)	500.00m
MJZS-3号 (W, -60°)	500.30m
MJZS-4号 (W, -60°)	300.00m
MJZS-5号 (W, -60°)	400.44m
合計 (5孔)	2,100.74m

各ボーリングの肉眼観察可能な硫化物鉍化帯の概要は以下の通りである。

Hole No.	Depth(m)	Zone	Mineralization	Main Sulphide Minerals
MJZS-1	226.00~260.00	MSZ	disseminate	Po, Py, Cp,
MJZS-2	266.00~274.00	MSZ	disseminate	Po, Py, Cp,
MJZS-3	263.50~273.50	MSZ	disseminate	Po, Py, Cp,
	335.00~351.00	LSZ	disseminate	Po, Py, Cp,
MJZS-4	70.00~87.00	MSZ	disseminate	Po, Py, Cp,
	143.00~153.00	LSZ	disseminate	Po, Py, Cp,
MJZS-5	160.00~172.50	MSZ	disseminate	Po, Py, Cp,
MJZS-1	226.00~260.00	MSZ	disseminate	Po, Py, Cp,

硫化物鉍化帯の白金族元素の最高品位は以下のとおりである。

Hole No.	Depth(m)	Pt(ppb)	Pd(ppb)	Rh(ppb)	PGM(ppb)
MJZS-1	249.50~250.00	533	434	12	979
	250.00~251.00	490	425	15	930
MJZS-2	271.00~271.50	389	374	19	782
MJZS-3	348.00~349.00	583	331	14	928
	349.00~350.00	510	355	51	916
MJZS-4	151.00~152.00	426	111	---	537
MJZS-5	168.50~169.50	598	147	17	762
	169.50~170.50	518	138	15	671

ボーリング調査の結果、5孔のボーリングでMSZを捕捉した。本地区のMSZは連続性のよい鉍化帯であることが判明した。一方、LSZは2孔で捕捉しており、断続する鉍化帯と思われる。

本地区の過去の調査も含め8孔のボーリング結果を対比検討した結果、硫化物鉍化及び白金族の鉍化帯は北部へ連続し、地区南部では東へ連続発展する可能性が指摘された。

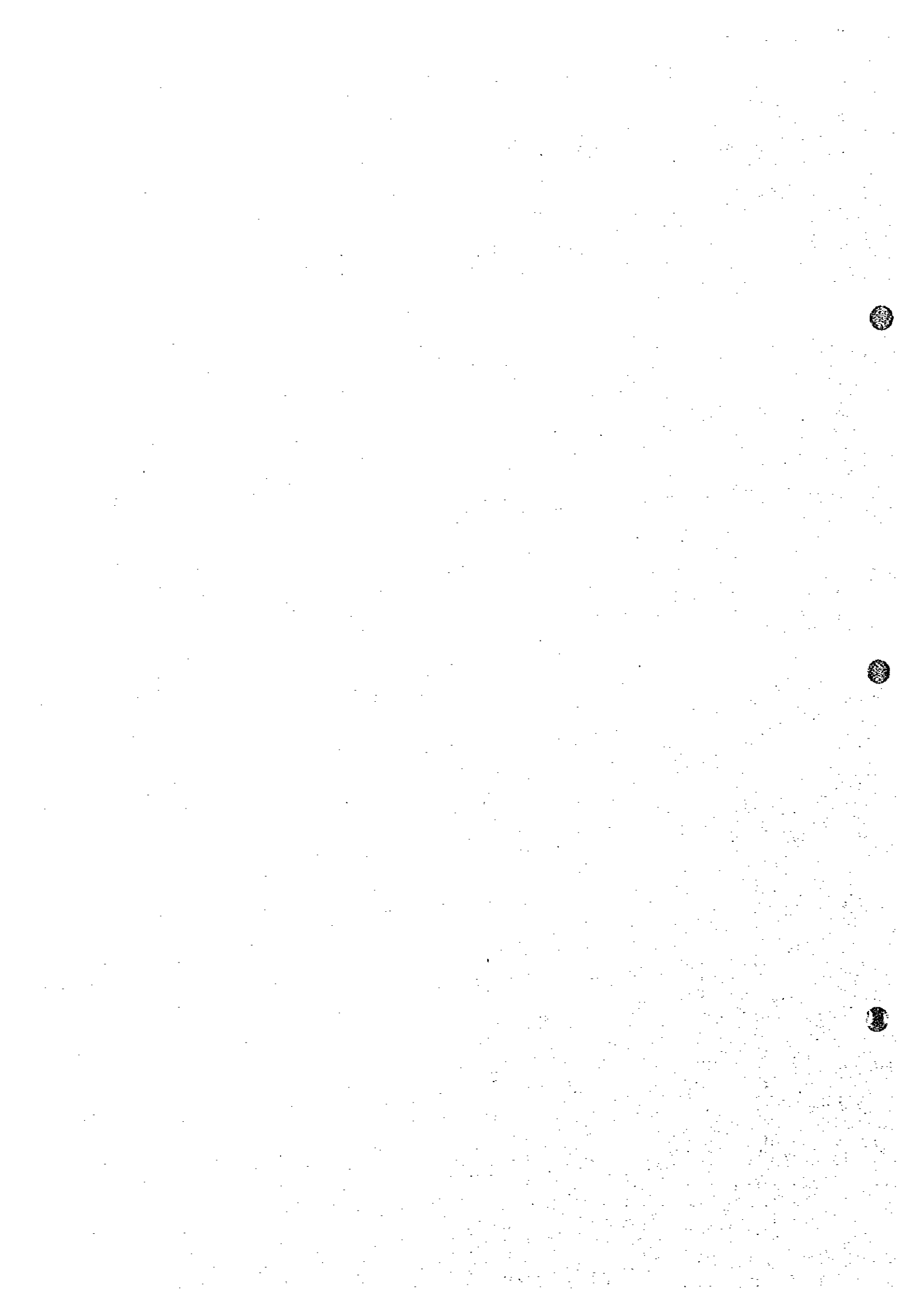
従って、追加ボーリング調査を実施し、鉍化帯の連続を追跡すると共に高品位帯を捕捉する必要がある。

## 第2章 第3年次調査への提言

第1年次、第2年次の調査結果とその検討によって得られた結論に基づき、第3年次では次の調査を実施することを提言する。

- (1) WS地区にボーリング調査を実施し、鉦山開発を期待し得る鉦床の発見に努める。
- (2) WN地区北東部及びCB地区北部でボーリング調査を実施し、鉦床賦存の可能性を把握する。

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## 卷末資料



## A-1 岩石顯微鏡写真

Abbreviations of mineral names in the plate

Pl : Plagioclase

Cpx: Clinopyroxene

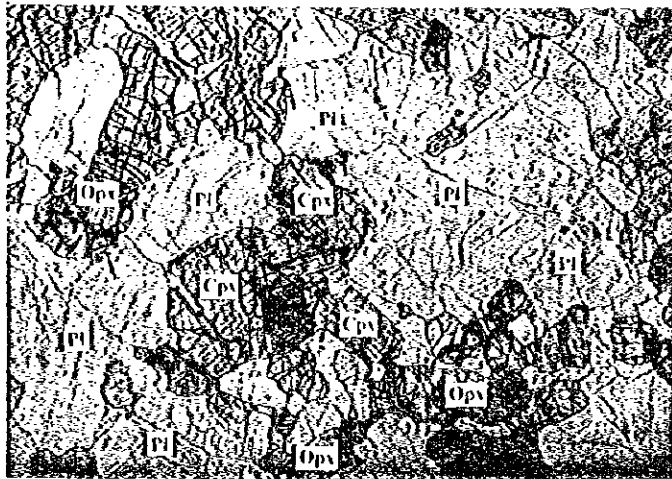
Opx: Orthopyroxene

Ol : Olivine

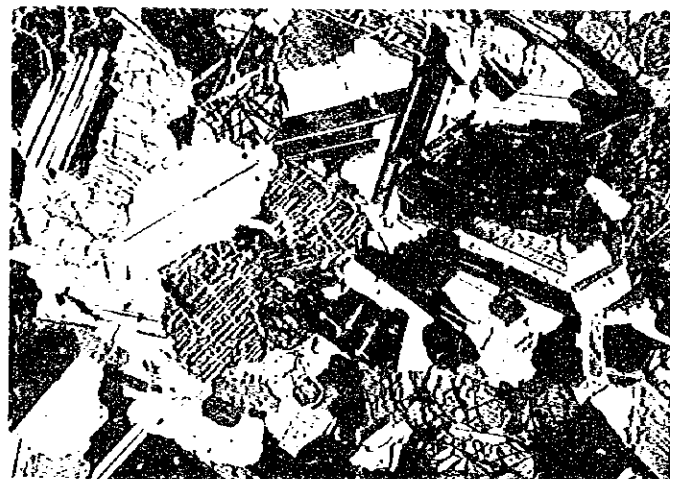
Tlc: Talc

Ser: Serpentine

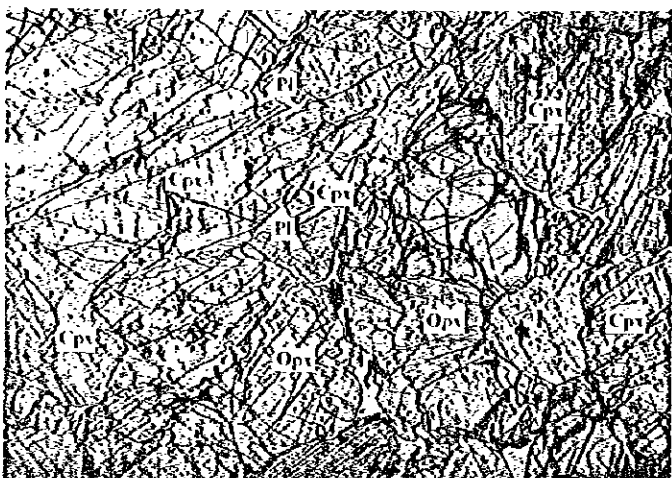
Cr : Chromite



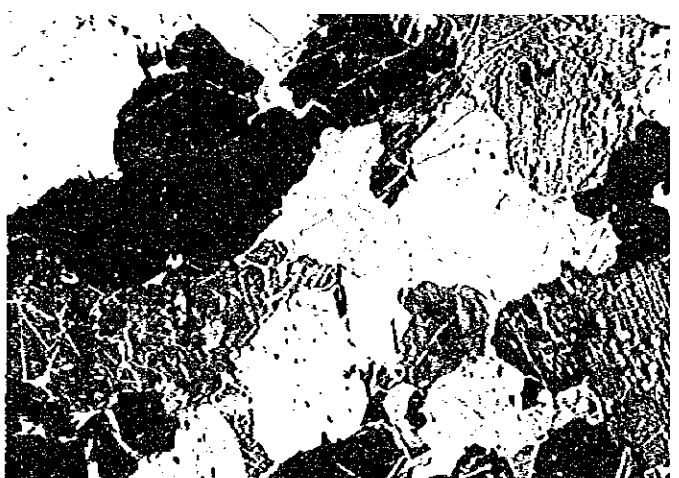
Sample No. 1-04      Open nicol      1.0 mm  
 Rock name Gabbro-Norite  
 Locality MUZS-2: 115.98m



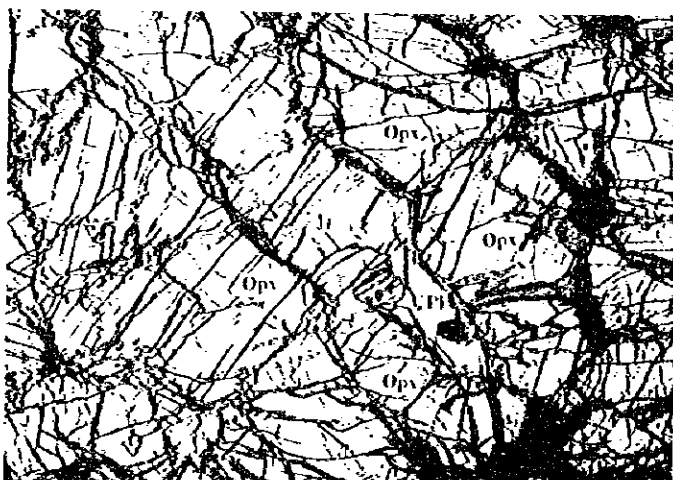
Cross nicols      1.0 mm



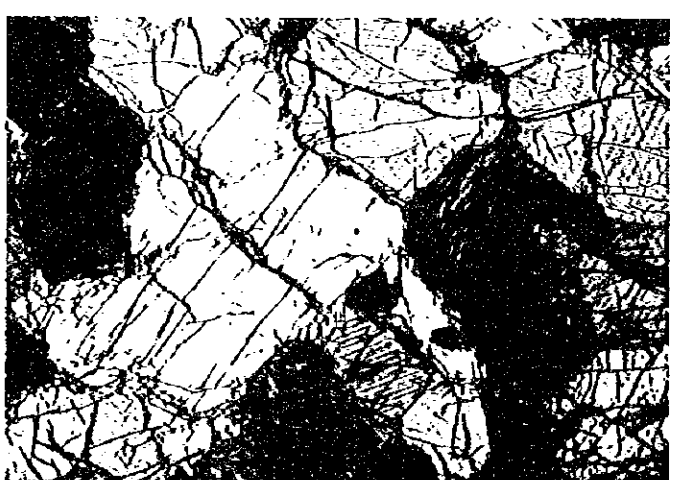
Sample No. 1-01      Open nicol      1.0 mm  
 Rock name Plagioclase bearing websterite  
 Locality MUZS-1: 170.00m



Cross nicols      1.0 mm



Sample No. 3-03      Open nicol      1.0 mm  
 Rock name Bronzite  
 Locality MUZS-1: 247.00m



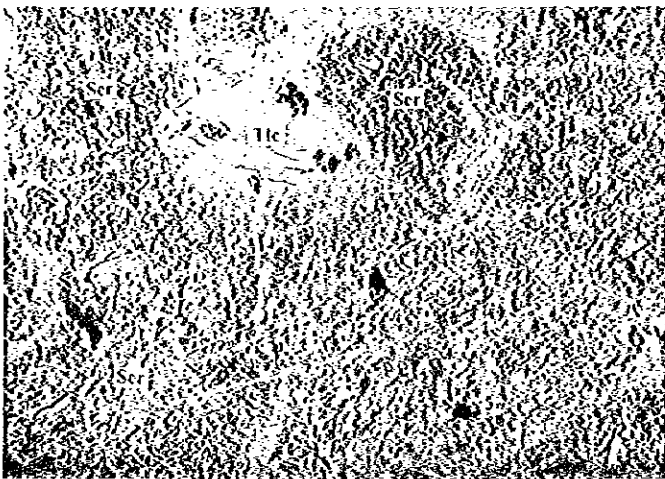
Cross nicols      1.0 mm



Sample No. T-09  
 Rock name Tale(vein?)  
 Locality MJZS-5 : 317.20m



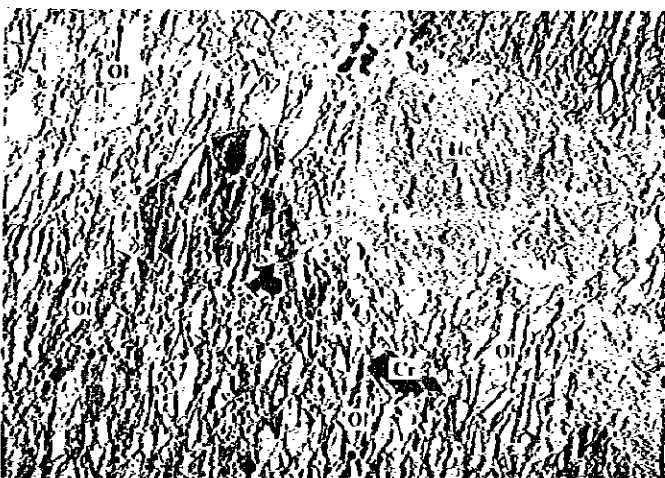
Cross nicols → 1.0 mm



Sample No. I-10  
 Rock name Serpentine  
 Locality MJZS-5 : 340.52m



Cross nicols → 1.0 mm



Sample No. I-08  
 Rock name Danite  
 Locality MJZS-2 : 486.00m



Cross nicols → 1.0 mm

## A-2 鉍石顯微鏡写真

Abbreviations of mineral names in the plate

Po : Pyrrhotite

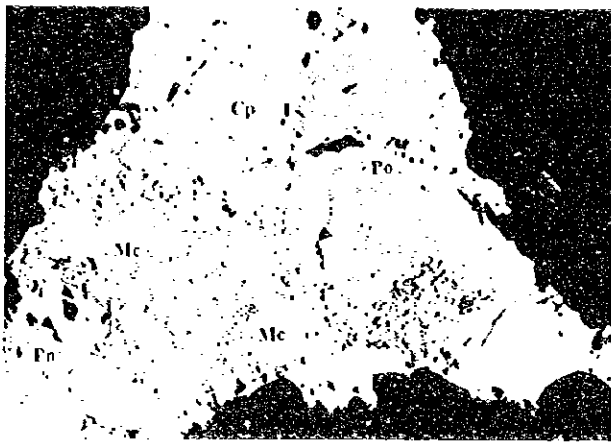
Pn : Pentlandite

Cp : Chalcopyrite

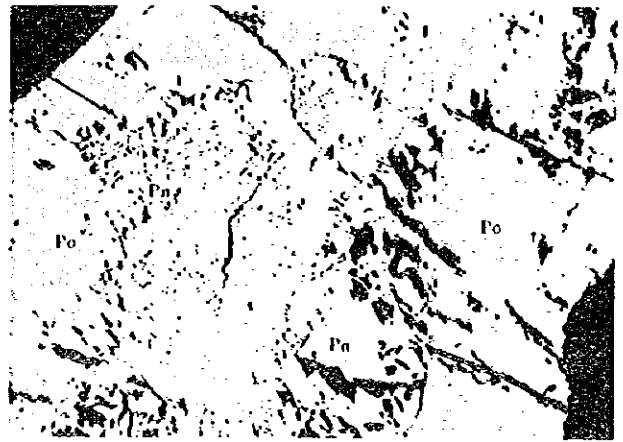
Py : Pyrite

Mc : Marcasite

Cr : Chromite



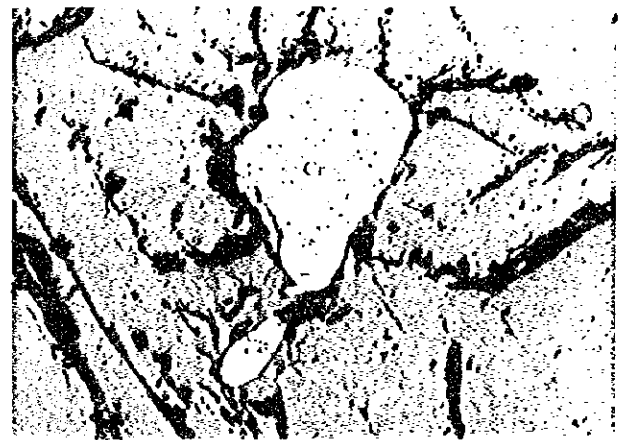
Sample No. P-11      Open nicol      0.1 mm  
 Rock name Bronzite  
 Locality MZS-1, 243.30m  
 Remarks Po-Cp-Pn-Mc Ore



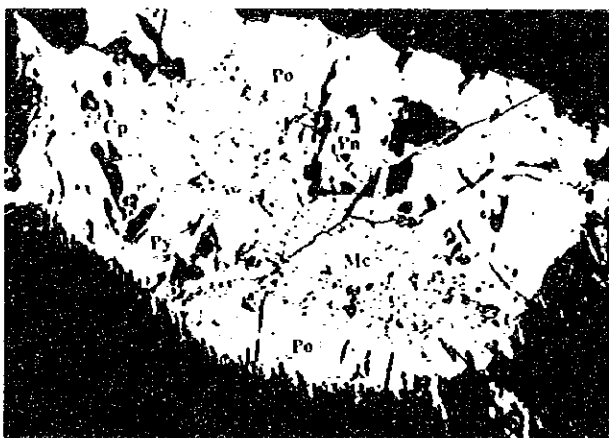
Sample No. P-5      Open nicol      0.1 mm  
 Rock name Bronzite  
 Locality MZS-2, 270.30m  
 Remarks Po-Cp-Pn-Mc Ore



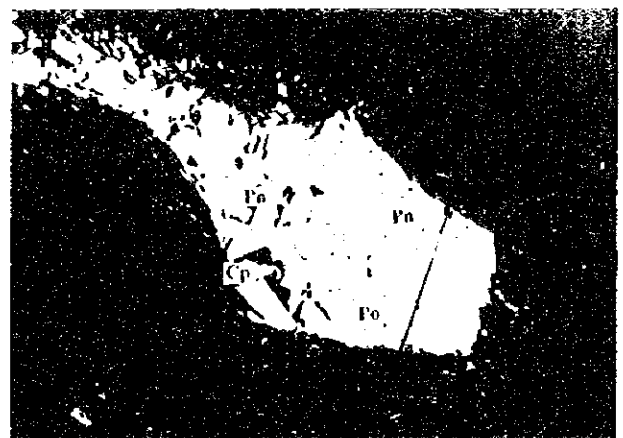
Sample No. P-6      Open nicol      0.1 mm  
 Rock name Bronzite  
 Locality MZS-2, 270.30m  
 Remarks Po-Cp-Pn Ore



Sample No. P-2      Open nicol      0.1 mm  
 Rock name Bronzite  
 Locality MZS-3, 341.30m  
 Remarks Cr Ore



Sample No. P-2      Open nicol      0.1 mm  
 Rock name Bronzite  
 Locality MZS-3, 341.30m  
 Remarks Po-Cp-Pn-Mc Ore



Sample No. P-13      Open nicol      0.1 mm  
 Rock name Bronzite  
 Locality MZS-4, 82.15m  
 Remarks Po-Pn evolution Ore

A-3 掘進実績表



表II-2-7 掘進実績表 (MJZS-3)

区 分	工 事 期 間				期 間 内 訳							
	期 間				延		休 業		実 働			
	日 数	方 数	日 数	方 数	日 数	方 数	日 数	方 数	掘進方	工 数		
設 営 作 業	96/09/01	~	96/09/12	12	12	5	5	7	7	25	35	
掘 進 作 業	96/09/13	~	96/09/07	25	26	0	0	26	26	17	130	
解 体 撤 去 作 業	96/09/08	~	96/09/08	1	1	0	0	1	1	0	5	
合 計	96/09/01	~	96/09/08	39	39	5	5	34	34	42	170	
計 画 深 度	掘進深度 500.00 m 表 土			100m毎のコア採取率								
増 掘 長	0.30 m	コア長 478.60 m		深 度 (m)		コア長及び採取率		累 計				
検 尺 深 度	500.30 m	コア採取率 95.66 %		0.00 ~ 37.00	15.30 m	41.35 %	41.35 %					
	作 業 時 間			37.00 ~ 94.50	57.50 m	100.00 %	77.04 %					
掘 削 時 間	152.0 h	63.1 %	52.6 %	94.50 ~ 191.00	99.50 m	100.00 %	88.81 %					
ロ ッ ド 掘 削	10.0 h	4.1 %	3.5 %	191.00 ~ 293.10	99.10 m	100.00 %	92.60 %					
イ ン ナ ー 掘 削	30.0 h	12.4 %	10.4 %	293.10 ~ 404.10	111.00 m	100.00 %	94.63 %					
付 帯 作 業	1.0 h	0.4 %	0.3 %	404.10 ~ 500.30	96.20 m	100.00 %	95.66 %					
事 故 回 復 作 業	43.0 h	19.9 %	16.6 %	掘 進 能 率								
そ の 他	h	0.0 %	0.0 %	掘進深度(m)/延日数		12.83	m/日					
小 計	241.0 h	100.0 %	83.4 %	掘進深度(m)/延方数		12.83	m/方					
	移 設 作 業			掘進深度(m)/実働日数		14.71	m/日					
設 営 作 業	32.0 h		11.1 %	掘進深度(m)/実掘進日数		14.71	m/方					
解 体 作 業	16.0 h		5.5 %	掘進深度(m)/実掘進方数		19.24	m/日					
合 計	259.0 h		100.0 %	掘進深度(m)/純掘進方数		29.43	m/方					
	ケーシングパイプ			掘進深度(m)/延工数		2.57	m/工					
ケーシングパイプ挿入深度	ケーシング率	ケーシングパイプ回収率		純掘進工数/掘進深度(m)		0.17	工/m					
およびケーシングサイズ	(m)	(%)	(m)	(%)								
86 mm	37.00 m	7.4	31.00	91.9								
mm	m	0.0										

表II-2-8 掘進実績表 (MJZS-4)

区 分	工 事 期 間				期 間 内 訳							
	期 間				延		休 業		実 働			
	日 数	方 数	日 数	方 数	日 数	方 数	日 数	方 数	掘進方	工 数		
設 営 作 業	96/09/30	~	96/10/03	4	8	0	2	4	6	0	30	
掘 進 作 業	96/10/01	~	96/10/12	9	18	0	2	9	16	17	80	
解 体 撤 去 作 業	96/10/13	~	96/10/21	9	18	0	9	9	9	0	45	
合 計	96/09/30	~	96/10/21	22	44	0	13	22	31	17	155	
計 画 深 度	掘進深度 300.00 m 表 土			100m毎のコア採取率								
増 掘 長	0.00 m	コア長 300.00 m		深 度 (m)		コア長及び採取率		累 計				
検 尺 深 度	300.00 m	コア採取率 100.00 %		0.00 ~ 115.60	115.60 m	100.00 %	100.00 %					
	作 業 時 間			115.60 ~ 232.40	116.80 m	100.00 %	100.00 %					
掘 削 時 間	101.0 h	76.5 %	41.9 %	232.40 ~ 300.00	67.60 m	100.00 %	100.00 %					
ロ ッ ド 掘 削	10.0 h	7.4 %	4.0 %	~	0.00 m	%	%					
イ ン ナ ー 掘 削	20.0 h	14.7 %	8.1 %	~	0.00 m	%	%					
付 帯 作 業	2.0 h	1.5 %	0.8 %	~	0.00 m	%	%					
事 故 回 復 作 業	0.0 h	0.0 %	0.0 %	掘 進 能 率								
そ の 他	h	0.0 %	0.0 %	掘進深度(m)/延日数		13.64	m/日					
小 計	136.0 h	100.0 %	54.8 %	掘進深度(m)/延方数		6.82	m/方					
	移 設 作 業			掘進深度(m)/実働日数		13.64	m/日					
設 営 作 業	56.0 h		22.6 %	掘進深度(m)/実掘進日数		9.68	m/方					
解 体 作 業	56.0 h		22.6 %	掘進深度(m)/実掘進方数		33.33	m/日					
合 計	248.0 h		100.0 %	掘進深度(m)/純掘進方数		16.67	m/方					
	ケーシングパイプ			掘進深度(m)/延工数		33.33	m/日					
ケーシングパイプ挿入深度	ケーシング率	ケーシングパイプ回収率		掘進深度(m)/実掘進工数		18.75	m/方					
およびケーシングサイズ	(m)	(%)	(m)	(%)	掘進深度(m)/純掘進工数		17.65	m/方				
86 mm	12.70 m	4.2	9.00	70.9	純掘進工数/掘進深度(m)		1.36	工/m				
mm	m	0.0			純掘進工数/掘進深度(m)		0.28	工/m				

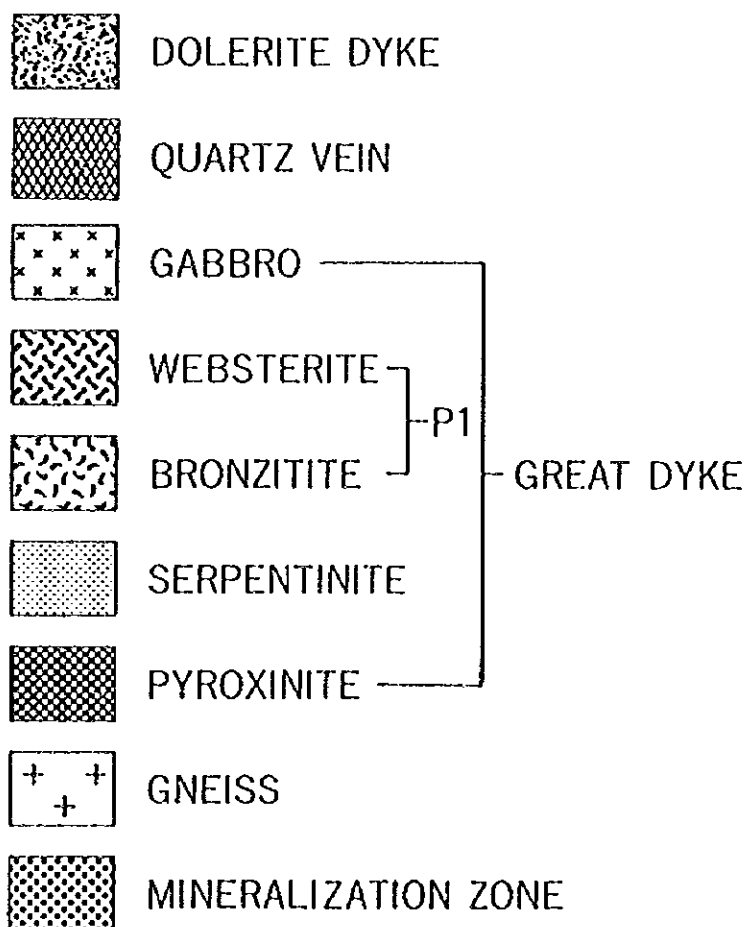


表II-2-9 掘進実績表 (MJZS-5)

区 分	工 事 期 間				期 間 内 訳					
	期 間		延		休 休		実 働		掘進方	工数
	日 数	方数	日 数	方 数	日 数	方 数	掘進方	工数		
設置作業	96/08/21	~ 96/09/03	14	28	3	15	11	13	15	65
掘進作業	96/09/04	~ 96/09/28	25	50	0	15	25	35	17	175
解体撤去作業	96/09/29	~ 96/09/29	1	2	0	0	1	2	0	10
合 計	96/08/21	~ 96/09/29	40	80	3	30	37	50	32	250
100m毎のコア採取率										
計画深度	400.00 m	教 士	m	深 度 (m)	コア長及び採取率		累 計			
増掘長	0.40 m	コア長	393.20 m	0.00 ~ 15.00	7.80 m	52.00 %	52.00 %			
掘尺深度	400.40 m	コア採取率	98.20 %	15.00 ~ 115.40	100.40 m	100.00 %	93.76 %			
作 業 時 間				115.40 ~ 208.40	93.00 m	100.00 %	96.55 %			
掘削時間	192.0 h	58.2 %	48.9 %	208.40 ~ 316.40	108.00 m	100.00 %	97.72 %			
ロッド掘削	10.0 h	3.0 %	2.5 %	316.40 ~ 400.40	84.00 m	100.00 %	98.20 %			
インター掘削	23.0 h	7.0 %	5.9 %	~	m	%	%			
付帯作業	12.0 h	3.6 %	3.1 %	掘 進 能 率						
事故回復作業	93.0 h	28.2 %	23.7 %	掘進深度(m)/延日数	10.01 m/日					
その他	h	0.0 %	0.0 %	掘進深度(m)/延方数	5.01 m/方					
小 計	330.0 h	100.0 %	84.0 %	掘進深度(m)/実働日数	10.82 m/日					
移 設 作 業				掘進深度(m)/実働方数	8.01 m/方					
設置作業	51.0 h		13.7 %	掘進深度(m)/延掘進日数	16.02 m/日					
解体作業	9.0 h		2.3 %	掘進深度(m)/実掘進日数	11.41 m/日					
合 計	393.0 h		100.0 %	掘進深度(m)/延掘進方数	23.55 m/方					
ケーシングパイプ				掘進深度(m)/延工数	1.00 m/工					
ケーシングパイプ挿入深度 およびケーシングサイズ	ケーシング径	ケーシングパイプ回収率		純掘進工数/掘進深度(m)	0.21 工/m					
(m)	(%)	(m)	(%)							
56 mm 37.70 m	9.4	31.00	90.2							
mm	m	0.0								

## A-4 ボーリング柱状図

### Index



MJZS-1-(1)

0m-100m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME Soil and Gabbro	DESCRIPTION	VEIN	ALTER.	SAMPLE			CHEMICAL ANALYSIS									
						No.	FROAT (m)	TO (m)	L. (m)	As (ppb)	Ag (ppm)	Fe (ppb)	Pb (ppb)	Rh (ppb)	S (%)			
5.00			Red soil - white soil, and Gabbro breccia Weathered zone.															
8.90 10.00		Gabbro	8.90m- Green-deep green, compact, hard, fine grain, white spot, holocrystalline, equigranular, plagioclase>orthopyroxene>clinopyroxene 8.90-17.00m rather white, weathered															
15.00																		
20.00																		
25.00																		
30.00																		
35.00																		
36.70			35.00-36.70m Green-pale green-white, banding, calcite vein?, or segregation?, angle-50degree															
40.00																		
45.00																		
50.00						R- 1	50.00											
55.00																		
58.70 60.00			58.70-61.50m Green-pale green-white, mottled color, coarse grain,															
61.50																		
65.00																		
70.00 71.00			71.00-73.70m Calcite-Serpentine? vein many,															
73.70 75.00																		
80.00						R- 2	80.00											
85.00																		
90.00																		
95.00																		
100.00			99.20m Calcite vein? many,															

Sample (OA: Ore Analysis, TS: Thin Section, PS: Polsh, R: Rock)

図II-2-2 ボーリング柱状図 (MJZS-1)

MJZS-1-(2)

100m-200m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS										
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rh (ppb)	S (%)					
105.00	[Dotted pattern]	Gabbro																		
110.00																				
115.00																				
120.00																				
125.00																				
130.00																				
135.00																				
140.00																				
145.00																				
150.00																				
155.00																				
160.00																				
162.80																				
165.00	[Cross-hatched pattern]	Websterite	162.80m- Green deep green, medium-coarse grain, compact, holocrystalline, equigranular, orthopyroxene-clinopyroxene, very weak sulphide disseminate, 162.80-166.00m weak serpentinite bearing.																	
166.00																				
170.00																				
175.00																				
180.00																				
182.00			182.00-184.50m Crack, chlorite vein?																	
185.00																				
190.00																				
195.00																				
200.00																				

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; K, Rock)

図II-2-2 ボーリング柱状図 (MJZS-1)

MJZS-1(3)

200m-300m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN AFTER		SAMPLE			CHEMICAL ANALYSIS								
						No.	FROM (m)	TO (m)	L. (m)	Au (ppb)	Ag (ppm)	Pb (ppb)	Cd (ppb)	Rh (ppb)	S (%)		
205.00	[Patterned Column]	Websterite	Green-deep green, medium grain, holocrystalline, equigranular, orthopyroxene=clinopyroxene, very weak sulphide disseminate.			R- 9	210.00										
210.00																	
215.00																	
220.00							P- 8	230.80									
							P- 9	232.20									
							P- 10	232.70									
							P- 11	244.30									
							P- 16	250.00									
							R- 10	223.50									
							R- 11	229.50									
							I- 2	229.50									
225.00							R- 12	238.00									
227.00		Serpentinite	227.00m- Pale green-yellow green-dark color, fine grain, soapy, clinopyroxene bearing.			OA 1	226.70	227.70	1.00	< 1	0.09	< 10	< 10	< 10	< 10	0.15	
							OA 2	227.70	228.50	0.80	< 1	0.10	< 10	< 10	< 10	< 10	0.16
							OA 3	228.50	229.00	0.50	< 1	0.07	< 10	< 10	< 10	< 10	0.16
							OA 4	229.00	229.50	0.50	2	0.03	< 10	< 10	< 10	< 10	0.19
230.00		Bronzite	232.00m- Dark green-dark gray, fine grain, mainly orthopyroxene, holocrystalline, equigranular, sulphide disseminate strong(226.70m-260.00m)			OA 5	229.50	230.00	0.50	< 1	0.11	< 10	< 10	< 10	< 10	0.13	
							OA 6	230.00	230.50	0.50	< 1	0.18	< 10	< 10	< 10	< 10	0.09
							OA 7	230.50	231.00	0.50	1	0.14	< 10	< 10	< 10	< 10	0.16
							OA 8	231.00	231.50	0.50	3	0.12	< 10	< 10	< 10	< 10	0.19
232.00						OA 9	231.50	232.00	0.50	1	0.12	< 10	< 10	< 10	< 10	0.18	
235.00						OA 10	232.00	232.50	0.50	< 1	0.10	< 10	< 10	< 10	< 10	0.17	
						OA 11	232.50	233.00	0.50	< 1	0.05	< 10	< 10	< 10	< 10	0.18	
						OA 12	233.00	233.50	0.50	2	0.12	< 10	< 10	< 10	< 10	0.18	
						OA 13	233.50	234.00	0.50	2	0.09	< 10	< 10	< 10	< 10	0.19	
						OA 14	234.00	234.50	0.50	2	0.12	< 10	< 10	< 10	< 10	0.17	
						OA 15	234.50	235.00	0.50	2	0.13	< 10	< 10	< 10	< 10	0.17	
240.00						OA 16	235.00	235.50	0.50	3	0.14	< 10	< 10	< 10	< 10	0.19	
						OA 17	235.50	236.00	0.50	2	0.11	< 10	< 10	< 10	< 10	0.20	
						OA 18	236.00	236.50	0.50	3	0.16	< 10	< 10	< 10	< 10	0.14	
						OA 19	236.50	237.00	0.50	3	0.11	< 10	< 10	< 10	< 10	0.20	
						OA 20	237.00	237.50	0.50	3	0.11	< 10	< 10	< 10	< 10	0.22	
245.00						OA 21	237.50	238.00	0.50	3	0.12	< 10	< 10	< 10	< 10	0.20	
						OA 22	238.00	238.50	0.50	3	0.05	< 10	< 10	< 10	< 10	0.20	
						OA 23	238.50	239.00	0.50	7	0.16	< 10	< 10	< 10	< 10	0.20	
						OA 24	239.00	239.50	0.50	5	0.09	< 10	< 10	< 10	< 10	0.19	
						OA 25	239.50	240.00	0.50	4	0.10	< 10	< 10	< 10	< 10	0.19	
250.00						OA 26	240.00	240.50	0.50	3	0.10	< 10	< 10	< 10	< 10	0.17	
						OA 27	240.50	241.00	0.50	10	0.09	< 10	< 10	< 10	< 10	0.20	
						OA 28	241.00	241.50	0.50	7	0.09	< 10	< 10	< 10	< 10	0.18	
						OA 29	241.50	242.00	0.50	12	0.18	< 10	< 10	< 10	< 10	0.18	
						OA 30	242.00	242.50	0.50	25	0.68	< 10	< 10	< 10	< 10	0.18	
255.00						OA 31	242.50	243.00	0.50	33	0.19	< 10	< 10	< 10	< 10	0.23	
						OA 32	243.00	243.50	0.50	14	0.17	< 10	< 10	< 10	< 10	0.19	
						OA 33	243.50	244.00	0.50	17	0.09	< 10	< 10	< 10	< 10	0.26	
						OA 34	244.00	244.50	0.50	5	0.07	< 10	< 10	< 10	< 10	0.09	
						OA 35	244.50	245.00	0.50	3	0.04	< 10	< 10	< 10	< 10	0.18	
260.00						OA 36	245.00	245.50	0.50	13	0.13	< 10	< 10	< 10	< 10	0.18	
						OA 37	245.50	246.00	0.50	15	0.16	< 10	< 10	< 10	< 10	0.18	
						OA 38	246.00	246.50	0.50	17	0.15	< 10	< 10	< 10	< 10	0.21	
						OA 39	246.50	247.00	0.50	12	0.15	< 10	< 10	< 10	< 10	0.08	
						OA 40	247.00	247.50	0.50	28	0.08	< 10	< 10	< 10	< 10	0.20	
265.00						OA 41	247.50	248.00	0.50	35	0.20	151	162	< 10	< 10	0.25	
						OA 42	248.00	248.50	0.50	27	0.10	102	122	< 10	< 10	0.21	
						OA 43	248.50	249.00	0.50	30	0.12	271	168	< 10	< 10	0.22	
						OA 44	249.00	249.50	0.50	45	0.15	396	228	< 10	< 10	0.22	
						OA 45	249.50	250.00	0.50	63	0.16	553	434	< 10	< 10	0.24	
270.00			270.20-271.40m Dolemite dyke,			OA 46	250.00	251.00	1.00	33	0.13	490	425	< 10	< 10	0.18	
						OA 47	251.00	252.00	1.00	22	0.08	356	421	< 10	< 10	0.15	
						OA 48	252.00	253.00	1.00	12	0.05	213	353	< 10	< 10	0.08	
						OA 49	253.00	254.00	1.00	12	0.05	176	377	< 10	< 10	0.08	
						OA 50	254.00	255.00	1.00	8	0.45	75	391	< 10	< 10	0.10	
275.00						OA 51	255.00	256.00	1.00	3	0.02	91	302	< 10	< 10	0.06	
						OA 52	256.00	257.00	1.00	4	0.02	106	515	< 10	< 10	0.06	
						OA 53	257.00	258.00	1.00	< 1	0.04	42	241	< 10	< 10	0.04	
						OA 54	258.00	259.00	1.00	< 1	0.07	< 10	299	< 10	< 10	0.04	
						OA 55	259.00	260.00	1.00	< 1	0.03	< 10	111	< 10	< 10	0.03	
280.00						I- 3	247.00										
						I- 12	250.00										
283.50		Serpentinite	283.50m- Gray-pale green, fine grain, soapy, calcite veinlet many,			R- 13	249.50										
285.00							R- 14	268.00									
							R- 15	281.00									
288.20		Harzbergite	288.20m- Black, fine grain, compact,			R- 17	289.70										
290.00			290.00m- Black-gray-white banding,														
293.00		Pyroxenite	293.00m- Deep green, medium-coarse grain,			R- 18	294.00										
295.00			mainly orthopyroxene>>clinopyroxene,			R- 19	295.70										

Sample ( OA, Ore Analysis, TS, Thin Section, PS, Polish, R, Rock)

図II-2-2 ボーリング柱状図 (MJZS-1)

MJZS-1-(4)

300m-400m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS							
						No.	FROM (m)	TO (m)	L (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Fd (ppb)	Rh (ppb)	S (%)		
305.00	[Patterned Column]	Pyroxenite															
310.00																	
315.00																	
320.00				317.50m - Calcite-serpentine-chlorite vein many.			R- 20	316.40									
325.00																	
330.00																	
335.00																	
340.00							R- 21	339.50									
345.00				341.00-342.50m Feisite dyke?? angle +35degree													
350.00							R- 22	349.00									
355.00																	
357.30	[Patterned Column]	Harzbergite or Serpentine	357.30m - Gray, compact, fine grain, olivine many, banded.			R- 23	355.40										
359.00				359.00m-366.50m Dark green-olive green, and soapy, mainly serpentine.			R- 24	358.20									
360.00							R- 25	362.50									
365.00																	
366.50			366.50m - Gray, banded.														
370.00																	
372.50	[Patterned Column]	Pyroxenite	372.50m - Dark green, fine grain, orthopyroxene=clinopyroxene.														
374.30																	
375.00	[Patterned Column]	Harzbergite or Serpentine	374.30m - Gray-dark gray-dark green, fine grain, soapy, calcite veinlet many, mottled color, pyroxenite breccia bearing.			R-26	376.40										
380.00																	
385.00																	
390.00																	
390.10	[Patterned Column]	Pyroxenite	angle +30degree 390.10m - Green-deep green, medium grain, orthopyroxene=clinopyroxene, holocrystalline.			R- 27	389.70										
395.00				calcite-serpentine veinlet??			R- 28	395.00									
400.00			400.00m Stop.														

Sample (CA, Core Analysis; IS, Thin Section; PS, Polished; R, Rock)

図II-2-2 ボーリング柱状図 (MJZS-1)

MJZS-2-(1)

0m-100m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME Ref soil	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS								
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rh (ppb)	S (%)		
1.69	[Pattern]	Gabbro	Weathered zone.														
5.00			1.69m- Green-dark green, fine grain, hard, compact, white and green mottled color, plagioclase>orthopyroxene>clinopyroxene.														
10.00	[Pattern]																
15.00	[Pattern]																
15.86	[Pattern]		15.86m-18.86m Pale green, clay, weathered zone.														
18.86	[Pattern]																
20.00	[Pattern]																
25.00	[Pattern]																
30.00	[Pattern]																
35.00	[Pattern]																
40.00	[Pattern]																
45.00	[Pattern]																
50.00	[Pattern]																
55.00	[Pattern]																
60.00	[Pattern]		60.50m-61.50m Crushed and veinlet, (chlorite?)														
65.00	[Pattern]																
70.00	[Pattern]		Gradually change, Plagioclase>orthopyroxene>clinopyroxene.														
75.00	[Pattern]																
80.00	[Pattern]																
85.00	[Pattern]																
90.00	[Pattern]																
95.00	[Pattern]																
100.00	[Pattern]																

K- 1 47.28

Sample ( OA, Ore Analysis; IS, Thin Section; PS, Polish; R, Rock)

図II-2-3 ボーリング柱状図 (MJZS-2)

MJZS-2-(2)

100m-200m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS										
						No.	FROM (m)	TO (m)	L. (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Bi (ppb)	S (%)				
105.00		Gabbro	Green-Dark green and white, mottled color, fine grain, hard, compact, equigranular, holocrystalline,																
110.00																			
115.00																			
115.60						115.60m Pegmatite ? gradually change to plegoclase<orthopyroxene>clinopyroxene,			I- 4	115.88									
120.00									R- 2	115.88									
125.00																			
130.00																			
135.00																			
140.00																			
145.00																			
150.00																			
155.00																			
160.00																			
165.00																			
170.00																			
175.00																			
180.00																			
181.18																			
185.00		Websterite	181.18m- 1dcp green color, medium-coarse grain, hard, compact, holocrystalline, equigranular, orthopyroxene>clinopyroxene, very weak sulphide disseminate,																
190.00																			
195.00						191.00m weak chlorite veinlet(W=2cm)			R- 6	190.18									
200.00						I- 5	190.18												

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-3 ボーリング柱状図(MJZS-2)



MJZS-2-(3)

200m-300m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS									
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Fd (ppb)	Rh (ppb)	S (%)			
205.00	[Hatched pattern]	Wüstelite	204.00m-206.00m Chlorite-epidote vein															
210.00						R- 7	210.08											
215.00																		
220.00																		
225.00																		
230.00																		
235.00							R- 8	235.83										
240.00																		
245.00																		
250.00																		
255.00																		
260.00						R- 9	257.32											
265.00						R- 10	270.00											
265.00						P- 6	270.50											
265.00						P- 7	271.00											
266.00		Bronzite	265.00m- Calcite, veinlet many, 266.00m- Gradually change, Green-deepgreen, coarse grain, holocrystalline, equigranular, orthopyroxene->clinopyroxene, 266.00m-274.00m sulphide(Py, Po, Cp) disseminate.	Sul diss		OA 1	266.00	266.50	0.50	5	0.32	19	< 10	< 10	< 10	0.22		
266.00						OA 2	266.50	267.00	0.50	4	0.29	19	< 10	< 10	< 10	0.18		
266.00						OA 3	267.00	267.50	0.50	5	0.26	17	< 10	< 10	< 10	0.20		
266.00						OA 4	267.50	268.00	0.50	4	0.15	< 10	< 10	< 10	< 10	0.16		
266.00						OA 5	268.00	268.50	0.50	3	0.12	15	29	< 10	< 10	0.13		
266.00						OA 6	268.50	269.00	0.50	7	0.17	69	36	< 10	< 10	0.23		
266.00						OA 7	269.00	269.50	0.50	15	0.33	133	93	< 10	< 10	0.31		
266.00						OA 8	269.50	270.00	0.50	14	0.51	46	62	< 10	< 10	0.29		
266.00						OA 9	270.00	270.50	0.50	17	0.21	167	100	< 10	< 10	0.20		
266.00						OA 10	270.50	271.00	0.50	15	0.19	220	148	< 10	< 10	0.25		
266.00						OA 11	271.00	271.50	0.50	25	0.23	389	374	< 10	< 10	0.17		
266.00						OA 12	271.50	272.00	0.50	4	0.12	172	251	< 10	< 10	0.08		
266.00						OA 13	272.00	272.50	0.50	< 1	0.06	24	72	< 10	< 10	0.03		
266.00						OA 14	272.50	273.00	0.50	3	0.03	56	158	< 10	< 10	0.04		
266.00						OA 15	273.00	273.50	0.50	2	0.21	106	194	< 10	< 10	0.06		
266.00						OA 16	273.50	274.00	0.50	2	0.05	54	175	< 10	< 10	0.04		
266.00						R- 11	274.00											
266.00						P- 6	274.00											
266.00						R- 12	281.28											
285.00																		
290.00																		
295.00						R- 13	295.78											
300.00																		

Sample ( OA, Ore Analysis; IS, Thin Section; PS, Polish; R, Rock)

図II-2-3 ボーリング柱状図 (MJZS-2)

MJZS-2-(4)

300m-400m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS									
						No	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rh (ppb)	S (%)				
302.40	[Pattern]	Harzburgite	320.40m- Green-olive green-white, mottled color, soapy, pale green serpentine and olivine ?																
305.00		Serpentine																	
307.98	[Pattern]	Pyroxenite	307.98m- Dark green, coarse grain, equigranular, orthopyroxene=clinopyroxene,																
310.00																			
315.00																			
318.93	[Pattern]	Dolerite	318.93m-321.78m Dyke, olive green, brecciated,																
320.00																			
321.78	[Pattern]	Pyroxenite	321.78m- Dark green, coarse grain, orthopyroxene=clinopyroxene, clinopyroxene clear and many,																
325.00																			
330.00																			
335.00	[Pattern]																		
340.00																			
345.00																			
350.00	[Pattern]																		
351.50																			
354.00		Dolerite																	
354.00	[Pattern]	Dolerite	351.50m-354.00m Dyke, olive green, brecciated, both side boundary 50 degree about same to upper 307.98m-																
355.00		Pyroxenite																	
360.00	[Pattern]		Dark green, coarse grain, orthopyroxene=clinopyroxene, clinopyroxene clear and many,																
355.00																			
370.00																			
375.00	[Pattern]																		
380.00																			
384.08																			
385.00	[Pattern]	Harzburgite	384.08m- Gray-green-dark green-black, fine grain, soapy, center part olivine and green serpentine many, both side banding,																
385.00		Serpentine																	
390.00																			
394.70	[Pattern]																		
395.00																			
399.00		Pyroxenite	394.70m- Green-light green, medium grain, equigranular, orthopyroxene>>clinopyroxene,																

Sample ( UA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-3 ボーリング柱状図 (MJZS-2)

MJZS-2-(5)

400m-500m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS						
						No.	FROM (m)	TO (m)	L (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rb (ppb)	S (%)	
405.00		Pyroxenite	Green-light green, medium grain, equigranular, orthopyroxene>>clinopyroxene.			R- 24 I- 7	401.50 401.50									
410.00																
415.00																
420.00																
425.00							R- 25	424.00								
430.00																
435.00																
440.00																
445.00							R- 26	444.00								
450.00																
455.00																
460.00																
465.00							R- 27	463.00								
470.00							R- 28	470.50								
472.58							R- 29	472.60								
475.00		Harzburgite	472.58m- Green-pale green, fine grain, soil banding, serpentine many.			R- 30	476.70									
480.00			477.08m- Black, olivine many, white mottled pattern.			R- 31	478.30									
485.00							R- 32	482.00								
490.00						R- 33 I- 8	485.00 486.00									
495.00						R- 34	491.00									
500.00							R- 35	497.00								

500.00m Stop  
Sample (QA, Ore Analysis, TS, Thin Section, PS, Polish, R, Rock)

図II-2-3 ボーリング柱状図 (MJZS-2)

MJZS-3-(1)

0m-100m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS							
						NO.	FROM (m)	TO (m)	L (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pb (ppb)	S (%)		
3.00		Red soil	Weathered zone.													
5.00		Gabbro	3.00m- Deep green, hard, compact, medium grain, equigranular, holocrystalline, plagioclase>>clinopyroxene(light purple color)>orthopyroxene(pale green color)													
10.00																
15.00			12.76m- Pale green, soft, part sandy and clayish, weathered part.													
20.00																
25.00																
30.00																
35.00																
40.00			33.60m- White-gray, mottled color, hard, compact, medium-coarse grain, equigranular, holocrystalline, plagioclase>>orthopyroxene(pale green-green)>clinopyroxene(very weak), very weak Py disseminate, 33.66m weak crushed, clay zone (W=20cm)			R- 1	37.50									
45.00																
50.00																
55.00			53.50m-53.70m weak crushed, calcite-chlorite veinlet many.													
60.00																
65.00			61.25m- Green-deep green, hard, medium grain, equigranular, plagioclase>>clinopyroxene>Orthopyroxene			R- 2	63.05									
70.00			67.50m- gradual change, plagioclase>orthopyroxene>>clinopyroxene.													
75.00			71.30m- Green-deep green-black, medium-fine grain, equigranular, holocrystalline, plagioclase>clinopyroxene>orthopyroxene.													
80.00																
85.00			82.25m-82.55m Calcite-chlorite vein (W=1cm)													
90.00						R- 3	83.00									
95.00			91.00m-95.00m Chlorite veinlet many.													
100.00																

Sample (QA, Ore Analysis; IS, Thin Section; PS, Polish; R, Rock)

図II-2-4 ボーリング柱状図 (MJZS-3)

MJZS-3-(2)

100m-200m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS										
						No	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rh (ppb)	S (%)					
105.00		Gabbro	Green-deep green-part black, medium gr.n. equigranular, holo-crys- talline texture, plagioclase>clinopyroxene>orthopyro- xene.																	
110.00																				
115.00																				
120.00																				
120.00-120.40m				Quartz-calcite-chloite (weak Py) vein, W=10cm			R- 4	121.40												
125.00																				
130.00																				
135.00																				
140.00																				
145.00																				
150.00						R- 5	150.00													
155.00																				
160.00																				
165.00			163.90m- boundary weak Py disseminate, Green-pale green, white, pale green, part black mottled color, medium-coarse grain, equigranular, holocrystalline, 169.50m calcite-chloite vein, W=5cm, some part banded structure(chloite?) plagioclase>orthopyroxene>>clinopyro- xene.			R- 6	165.00													
170.00																				
175.00																				
180.00																				
185.00						R- 7	185.00													
188.49- 190.00		Websterite	188.49m- Green-deep green, purple spot, medium-fine grain, equigranular, holo- crystalline, plagioclase>clinopyroxene>orthopyro- xene			R- 8	193.00													
195.00																				
200.00																				

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-4 ボーリング柱状図 (MJZS-3)

MJZS-3-(3)

200m-300m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	V. IN	ALTER	SAMPLE			CHEMICAL ANALYSIS									
						No.	FROM (m)	TO (m)	L. (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rb (ppb)	S (%)			
203.00	[Patterned Column]	Websterite	Green-deep green, medium-fine grain, equigranular, holo- crystalline, plagioclase<clinopyroxene>orthopyro- xene															
210.00			208.25m-210.60m Gradual boundary, medium-coarse grain, orthopyroxene many															
215.00			210.60m- medium-fine grain, orthopyroxene<clinopyroxene>plagio- clase															
220.00																		
225.00																		
230.00				227.60m-229.40m Green, coarse grain, orthopyroxene<plagioclase>clinopyro- xene														
235.00				229.30m- medium-fine grain,														
240.00																		
245.00				241.50m-243.56m Light green-green, coarse grain, orthopyroxene<plagioclase, 243.66m Calcite-chlorite vein,														
250.00				246.56m- Green-deep green, fine grain, equigranular, purple spot (clinopyroxene)														
255.00																		
260.00																		
263.58																		
265.00		Bronzite	263.58m- Green-olive green color, hard, compact, coarse grain(d=0.5-1cm) holocrystalline, equigranular, orthopyroxene<green-deep green>>clino- pyroxene<light purple color> uppermost sulphide(Py,Fe?) disseminate, (sulphide d=1-0.5mm), partly chlorite veinlet, Lower part medium grain, sulphide disseminate become weak to very weak (d<<0.5mm)	chl														
270.00																		
275.00																		
280.00																		
285.00																		
290.00																		
295.00																		
300.00																		

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図H-2-4 ボーリング柱状図 (MJZS-3)

MJZS-3-(4)

300m-400m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VES.	ALTER.	SAMPLE				CHEMICAL ANALYSIS										
						No.	FROM (m)	TO (m)	L. (m)	An (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rh (ppb)	S (%)					
305.00	[Brecciated texture]	Bronzite or Orthopyroxene	Green-light green-lime green color, coarse-medium grain, orthopyroxene>>clinopyroxene.																	
310.00																				
315.00																				
320.00																				
325.00						325.00m-325.75m brecciated, chlorite rich.														
330.00																				
335.00																				
340.00						335.00m-350.00m Gradually change, sulphide dissemination, d=0.5-1mm, partly>2% of sulphide, and filled between grain boundary.														
345.00																				
350.00																				
355.00																				
360.00																				
365.00																				
370.00																				
375.00																				
380.00																				
385.00																				
390.00																				
393.50																				
395.00					Dunite or Harzburgite	Boundary graduary change, black-black and white mottled color, soft, soapy face, serpentinized /, olivine, magnetite, chromite many.														
400.00																				

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-4 ボーリング柱状図 (MJZS-3)

MJZS-3-(5)

400m-500m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS										
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pb (ppb)	Pd (ppb)	Bi (ppb)	S (%)				
405.00	[Patterned Column]	Bronzite or Orthopyroxene	400.00m - Gradually change, olive green color, medium grain, holocrystalline, equigranular, orthopyroxene-clinopyroxene, sulphide dissemination (mainly Py) very weak.																
410.00				405.83m - 408.00m chlorite banding.															
415.00				413.00m - 416.00m chlorite banding.			R- 20	410.00											
420.00				no sulphide mineralization, weak pale green veinlet, (chlorite and serpentine ?)															
425.00																			
430.00																			
435.00																			
440.00							R- 21	440.00											
445.00																			
450.00																			
455.00																			
460.00																			
465.00																			
470.00																			
475.00						R- 22	470.00												
475.88																			
480.00		Dunite or Harzburgite (Serpentinite)	475.88m - Gradually change, black color, fine grain, rather soft, mainly olivine, and pale green serpentine may be magnetite include.			R- 23	479.00												
485.00						R- 24	481.50												
487.61						R- 25	485.00												
490.00		Pyroxenite	487.61m - Green-olive green color, medium grain, holocrystalline, equi- granular, mainly orthopyroxene-clinopyroxene,																
495.00						R- 26	495.00												
500.00			500.50m Stop																

Sample ( OA-, Ore Analysis; TS-, Thin Section; PS-, Polish; R-, Rock)

図II-2-4 ボーリング柱状図 (MJZS-3)



MJZS-4(1)

0m-100m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME Soil and Websterite	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS									
						No.	FROM (m)	TO (m)	L. (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Pb (ppb)	S (%)			
5.00																		
10.00																		
12.70		Websterite	12.70m- Green-dark green color, medium green, hard, holocrystalline, orthopyroxene+clinopyroxene, weak sulphide disseminate.															
15.00																		
20.00																		
25.00																		
30.00																		
35.00																		
40.00																		
45.00																		
50.00																		
55.00																		
56.70		Bronzite	56.70m- Green-olive green, coarse grain, holocrystalline, equigranular, orthopyroxene+clinopyroxene.															
60.00																		
65.00																		
70.00			68.5m-85m sulphide disseminate, (Po,Py,Cp?), may be MSZ.			P- 12	70.70											
						P- 13	82.15											
						OA 1	70.00	71.00	1.00	1	0.08	< 10	< 10	< 10	< 10	< 10	< 10	0.16
						OA 2	71.00	72.00	1.00	< 1	0.10	< 10	< 10	< 10	< 10	< 10	< 10	0.16
						OA 3	72.00	73.00	1.00	2	0.12	< 10	< 10	< 10	< 10	< 10	< 10	0.17
						OA 4	73.00	74.00	1.00	2	0.12	< 10	< 10	< 10	< 10	< 10	< 10	0.16
						OA 5	74.00	75.00	1.00	2	0.18	< 10	< 10	< 10	< 10	< 10	< 10	0.19
						OA 6	75.00	76.00	1.00	3	0.10	< 10	< 10	< 10	< 10	< 10	< 10	0.19
						OA 7	76.00	77.00	1.00	4	0.12	< 10	< 10	< 10	< 10	< 10	< 10	0.18
						OA 8	77.00	78.00	1.00	5	0.42	< 10	< 10	< 10	< 10	< 10	< 10	0.19
						OA 9	78.00	79.00	1.00	7	0.13	< 10	< 10	< 17	< 10	< 10	< 10	0.24
						OA 10	79.00	80.00	1.00	7	0.11	< 10	< 10	< 10	< 10	< 10	< 10	0.18
						OA 11	80.00	81.00	1.00	9	0.12	< 10	< 10	< 10	< 10	< 10	< 10	0.20
						OA 12	81.00	82.00	1.00	7	0.14	< 10	< 10	< 10	< 10	< 10	< 10	0.18
						OA 13	82.00	83.00	1.00	25	0.15	< 10	< 10	< 10	< 10	< 10	< 10	0.25
						OA 14	83.00	84.00	1.00	13	0.14	< 10	< 10	< 10	< 10	< 10	< 10	0.17
						OA 15	84.00	85.00	1.00	49	0.55	< 10	< 14	< 10	< 10	< 10	< 10	0.32
						OA 16	85.00	86.00	1.00	31	0.17	114	68	< 10	< 10	< 10	< 10	0.24
						OA 17	86.00	87.00	1.00	37	0.11	224	133	< 10	< 10	< 10	< 10	0.23
90.00			90m- Weak calcite veinlet															
95.00																		
100.00																		

Sample ( OA, Ore Analysis; IS, Intra Soeben; PS, Polish; R, Rock)

図II-2-5 ボーリング柱状図 (MJZS-4)

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER.	SAMPLE				CHEMICAL ANALYSIS										
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Ba (ppb)	S (%)					
105.00	[Dotted pattern]	Bronzite																		
110.00				110.60m-111.20m Dolerite dyke,																
115.00																				
120.00					121.50m-127.80m Crushed part,															
125.00																				
130.00																				
130.70	[Cross-hatched pattern]	Harzburgite or Serpentinite	130.70m-136.00m Gray-black-green, fine grain, banding, soapy,																	
135.00																				
136.00	[Dotted pattern]	Bronzite	136.00m- Green-olive green, coarse grain, holocrystalline, equi- granular, orthopyroxene>clinopyroxene,																	
140.00																				
145.00																				
145.00					140m-155m sulphide disseminate, mainly Py, Cp, Po, may be LSZ,															
150.00																				
150.00			145m-155m small calcite-serpentine veinlet many,																	
155.00																				
155.00																				
160.00																				
165.00	[Cross-hatched pattern]		163.00m-166.00m Dolerite dyke, gray-deep green, fine grain, both side contact altered, angle= 70-80 degree																	
170.00																				
175.00																				
180.00			176.50m-178.30m Dolerite dyke, both side contact 70-80 degree																	
185.00																				
190.00			190.00m-190.80m Dolerite dyke,																	
195.00																				
200.00																				

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-5 ボーリング柱状図 (MJZS-4)

MJZS-4(3)

200-300m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS											
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Pb (ppb)	S (%)					
205.00		Bronzite																		
210.00																				
215.00																				
216.06			Harzbergite or Serpentinite	216.06m-222.00m Black-gray-white, fine grain, banding, soapy, olivine and serpentine many.																
220.00																				
222.00			Bronzite and Websterite	222.00m- Olive green, coarse grain, orthopyroxene-chlopyroxene, holocrystalline.																
225.00																				
230.00																				
235.00																				
240.00				237.50m-238.00m felsic rock dyke angle 60 degree																
245.00																				
250.00																				
255.00			251.00m-251.60m felsic rock dyke angle 70 degree																	
255.90																				
260.00			258.50m-257.00m felsic rock dyke, 70 degree angle 70 degree Calcite-green clay(chlorite?) and serpentine veinlet many.																	
265.00																				
270.00																				
275.00																				
280.00																				
285.00																				
290.00																				
295.00																				
300.00			300.00m Stop																	

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-5 ボーリング柱状図 (MJZS-4)

MJZS-5-(1)

0m-100m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS							
						No.	FROM (m)	TO (m)	L (m)	As (ppb)	Ag (ppm)	Pt (ppb)	Pb (ppb)	Rh (ppb)	S (%)	
5.00		Soil and Gabbro Brock	Red clay and green gabbro (rock)													
6.89		Gabbro	6.89m- Green-deep green, hard, fine grain, white-green mottled color,													
10.00																
15.00			15.00m- Pale green soil													
20.00			18.50m-20.46m White whetherd gabbro,													
25.00			24.80m-25.00m Pegmatite ?			R- 1	22.47									
25.07		Websterite	25.07m- Green-deep green color, hard, compact, medium grain, holocrystalline, equigranular, orthopyroxene-chlopyroxene, sulphide (Py,Cp,Po?) weak disseminate,	Sul		R- 2	28.20									
30.00																
35.00			33.50m-33.70m Chlorite-serpentine vein													
40.00																
45.00																
50.00																
55.00																
60.00						R- 3	60.00									
65.00																
70.00																
75.00			74.20m Pegmatite ? (W-20cm)													
80.00																
85.00			85m- Gradually strong sulphide macerati- zation (Py,Cp,Po?)													
90.00						R- 4	90.00									
95.00																
100.00																

Sample ( OA: Ore Analysis; TS: Thin Section; PS: Polish; R: Rock)

図II-2-6 ボーリング柱状図 (MJZS-5)

MJZS-5-(2)

100m-200m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS												
						No.	FROM (m)	TO (m)	L (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Pb (ppb)	S (%)							
105.00	[Cross-hatched pattern]	Websterite	Medium grain, equigranular, holocrystalline texture, orthopyroxene=clinopyroxene.																			
110.00																						
115.00				sulphide mineralization become weak,																		
120.00							R- 5	120.00														
125.00																						
130.00																						
135.00																						
140.00																						
145.00							R- 6	145.00														
148.34																						
150.00	[Dotted pattern]	Harzbergerite (Serpentinite)	149.34m- Boundary gradually change, black-deep green-pale green, black and white mottled color or network rather soft, olivine many,			R- 7	151.00															
155.00						R- 8	153.50															
159.00							P- 3	164.80														
160.00							P- 4	165.70														
165.00	[Cross-hatched pattern]	Bronzite	159.00m- Green-deep green, medium grain, orthopyroxene>clinopyroxene, 160m-172.5m sulphide disseminate,			R- 9	160.00															
165.00								R- 10	165.00													
165.00									OA 1	160.00	161.00	1.00	<	1	0.09	9	36	<	10	0.03		
165.00									OA 2	161.00	162.00	1.00		5	0.30	13	<	10	<	10	0.22	
165.00									OA 3	162.00	163.00	1.00		17	0.81	32	<	10	<	10	0.22	
165.00									OA 4	163.00	164.00	1.00		15	0.46	56	<	10	<	10	0.25	
165.00									OA 5	164.00	164.50	0.50		10	0.40	43	<	10	<	10	0.24	
165.00									OA 6	164.50	165.00	0.50		8	0.26	57	<	10	<	10	0.22	
165.00									OA 7	165.00	165.50	0.50		18	0.22	47	<	10	<	10	0.22	
165.00									OA 8	165.50	166.00	0.50		18	0.24	109	<	10	<	10	0.26	
165.00									OA 9	166.00	166.50	0.50		18	0.23	90	<	10	<	10	0.22	
165.00									OA 10	166.50	167.50	1.00		26	0.26	148	<	10	<	10	0.21	
165.00									OA 11	167.50	168.50	1.00		98	0.16	383	<	10	<	10	0.25	
165.00									OA 12	168.50	169.50	1.00		22	0.20	598	147	17			0.12	
165.00									OA 13	169.50	170.50	1.00		13	0.17	518	138	15			0.10	
165.00						OA 14	170.50	171.50	1.00		8	0.16	467	152	29			0.08				
165.00						OA 15	171.50	172.50	1.00		7	0.08	431	188	24			0.07				
170.00																						
175.00																						
180.00																						
185.00																						
190.00						R- 11	190.00															
195.00																						
195.00																						
195.00																						
195.00																						
200.00																						
200.00																						

Sample (OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-6 ボーリング柱状図 (MJZS-5)

MJZS-5-(3)

200m-300m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE			CHEMICAL ANALYSIS														
						No.	FROM (m)	TO (m)	L. (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Fe (ppb)	S (%)								
205.00	[Patterned Column]	Bronzite	Almost no mineralization.																				
210.00																							
215.00																							
220.00									R- 12	217.50													
225.00																							
229.50									R- 13	227.00													
235.00				Hartzbergite or Serpentine	229.50m- Gray-olive green banding, olivine-serpentine many, 234m-240m mottled color.				R- 14	230.00													
240.00									R- 15	233.00													
245.00									R- 16	236.00													
249.04				Bronzite	240.03m- banding again, 240.03m- Gray-green-olive green, coarse grain equigranular, mainly orthopyroxene holocrystalline.				R- 17	241.00													
245.00						R- 18	244.00																
250.00																							
255.00			253m-254m chlorite? serpentine vein.																				
260.00			258.00m unit boundary, coarse grain.				R- 19	258.00															
265.00																							
270.00			267m-268m Diotite dyke W=10cm, angle 70 degree																				
275.00																							
280.00							R- 20	280.00															
285.00																							
290.00																							
295.00																							
300.00																							

Sample ( OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-6 ボーリング柱状図 (MJZS-5)

MJZS-5-(4)

300m-400m

DEPTH (m)	GEOLOGIC COLUMN	ROCK NAME	DESCRIPTION	VEIN	ALTER	SAMPLE				CHEMICAL ANALYSIS						
						NO	FROM (m)	TO (m)	L (m)	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	Rb (ppb)	S (%)	
305.00	[Pattern]	Serpentine				R- 21	304.00									
310.00							R- 22	309.34								
310.50	[Pattern]	Harzbergite or Serpentine	310.30m- White-pale green-green- dark green, banding and mottled color, fine grain, soapy.			R- 23	311.44									
315.00							R- 24	317.20								
320.00	[Pattern]					R- 25	322.00									
325.00																
326.76	[Pattern]	Dolerite	326.76m Boundary calcite vein (W=5cm), dark green-black, fine grain, compact.			R- 26	328.30									
330.00							R- 27	331.70								
335.00	[Pattern]		334m calcite vein many.													
337.74																
340.00	[Pattern]	Harzbergite or Serpentine	337.74m calcite vein many, deep green, fine-medium grain, deep green, solder skin pattern, compact, not much soapy.			R- 28	340.50									
345.00																
350.00	[Pattern]					R- 29	350.20									
355.00																
360.00	[Pattern]		360m- White spot many (calcite ?).			R- 30	360.00									
365.00																
370.00	[Pattern]					R- 31	371.00									
375.00																
380.00	[Pattern]		377.0m- White-pale green, banding, serpentine strong, soapy and brecciate.			R- 32	380.60									
385.00																
390.00	[Pattern]		389m- Dark green-black color.													
395.00																
400.00			400.44m Stop			R- 33	397.50									

Sample (OA, Ore Analysis; TS, Thin Section; PS, Polish; R, Rock)

図II-2-6 ボーリング柱状図 (MJZS-5)











