APPENDICES

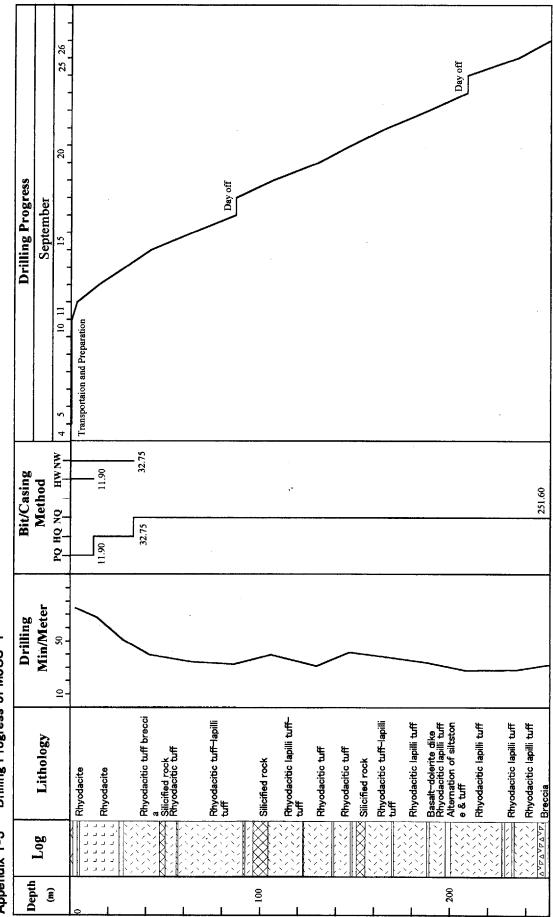
MJ	SU-1			Surve	y Period			Total M	an-day
Operation		Pe	riod	Day	Worl	(Day	Off Day	Engineer	Worker
Transportat	ion/Preparation	Sep. 4, 1999-	Sep. 10, 1999	7		5	1	48.0	63.5
Drilling		Sep. 11, 1999	-Sep. 26, 1999	16	1	4	2	68.0	69.5
Dismantli	ng	Sep. 26, 19	99						
Total				23	2	0	3	116.0	133.0
<b>Drilling</b> Ler	ngth	(m)		(m)	Core Recov	very of 100m	Hole		
Length P	anned	250.00	Overburden	0.00	Depth of Ho	ole	Core	Cumulative	Core
Increase/	Decrease	1.60	Core Length	251.20			Recovery	Recovery	
in Length					(1	n)	00	o	ົ
Length Dr	illed	251.60	Core	99.84	0.00 to 100	.00	99.60	99.	60
			Recovery(%)		100.00 to 2	200.00	100.00	99.	B0
Working Ho		(h)	(%)	(%)	200.00 to 2	51.40	100.00	99.	84
Drilling		154.5	71.5	58.5					
Other Wo	rk	60.5	28.0	22.9					
Recovering	ng	1.0	0.5	0.4	Efficiently o	f Drilling			
Subtota	l	216.0	100.0	81.8	Total Lengt	h/	m	day	m/day
Preparatio	on	16.0		6.1	Dr	illing Period	251.60	16.0	15.73
Dismantle	ment			0.0	Total Lengt	h/	m	shift	m/shift
Transporte	ation	32.0		12.1	Total D	rilling Shifts	251.60	27.0	9.32
Grand T	otal	264.0		100.0	Drilling Len	gth∕Each Bit	(m)		
Casing Pipe	Pipe Inserted			Bit Size	Drilling	Length	Core L	ength.	
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ	PQ 11.		11.	50
	(m)	× 10	)0(%)	(%)	HQ 20.		85	20.0	35
HW	11.9	4.	7	100.0	NQ	218	.85	218.85	
NW	32.8	13	.0	100.0					

#### Appendix 1-1 Summary of Drilling Operation of MJSU-1

# Appendix 1-2 Record of Drilling Operation of MJSU-1

	Drilling	Length		Daily	Total		Sł	nift	Man Working		
Date	Shift 1	Shift 2	Dril	ling	Co	ore	Drilling	Total	Engineer	Worker	
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)	
Sep. 4	Transportati	on						1	9.0	12.0	
5	Transportati	on						1	9.0	12.0	
6	Preparation							1	9.0	12.0	
7	Preparation		-					1	9.0	12.0	
8	Preparation							1	9.0	12.0	
9	Preparation							1	3.0	3.5	
10	Day off				. 1						
11	2.80		2.80	2.80	2.80	2.80	1	1	3.0	3.5	
12	6.30	5.00	11.30	14.10	10.90	13.70	2	2	5.0	4.5	
13	5.30	8.55	13.85	27.95	13.85	27.55	2	2	5.0	5.5	
14	4.80	8.95	13.75	41.70	13.75	41.30	2	2	5.0	5.5	
15	10.15	12.00	22.15	63.85	22.15	63.45	2	2	5.0	5.5	
16	15.00	7.55	22.55	86.40	22.55	86.00	2	2	5.0	5.0	
17	Day off		0.00	86.40	0.00	86.00					
18	9.95	9.40	19.35	105.75	19.35	105.35	2	2	5.0	5.0	
19	13.00	11.05	24.05	129.80	24.05	129.40	2	2	5.0	5.0	
20	8.30	9.10	17.40	147.20	17.40	146.80	2	2	5.0	5.0	
21	9.65	9.00	18.65	165.85	18.65	165.45	2	2	5.0	5.0	
22	14.00	7.95	21.95	187.80	21.95	187.40	2	2	5.0	5.0	
23	17.05	3.40	20.45	208.25	20.45	207.85	2	2	5.0	5.0	
24	Day off		0.00	208.25	0.00	207.85				· · · · ·	
25	8.60	18.00	26.60	234.85	26.60	234.45	2	2	5.0	5.0	
26	13.15	3.60	16.75	251.60	16.75	251.20	2	2	5.0	5.0	
tal				251.60		251.20	27	33	116.0	133.0	

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Appendix 1-3 Drilling Progress of MJSU-1

- 2 -

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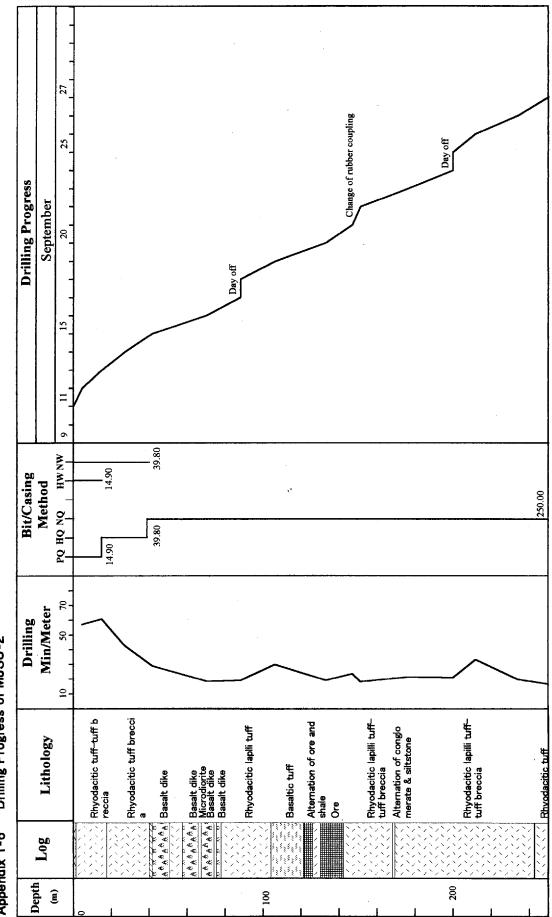
MJ	SU-2			Surve	Period			Total M	an-day
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker
Operation				-					
Preparati	on	Sep. 9, 1999-	Sep. 10, 1999	2		1	1	3.0	3.5
Drilling		Sep. 11, 1999	-Sep. 27, 1999	17	15		2	73.0	76.5
Dismantli	ng	Sep. 27, 19	99	0		0	0	0.0	0.0
Total				19	1	6	3	76.0	80.0
<b>Drilling</b> Len	gth	(m)		(m)	Core Recov	very of 100m	Hole		
Length Pl	anned	250.00	Overburden	0.00	Depth of Hole		Core	Cumulative (	Core
increase/	Decrease	0.00	Core Length	250.00			Recovery	Recovery	
in Length					6	m)	00	a	5
Length Dri	lied	250.00	Core	100.00	0.00 to 100	0.00	100.00	100	.00
			Recovery(%)		100.00 to 2	200.00	100.00	100.	.00
Working Ho	urs	(h)	(%)	(%)	200.00 to 2	250.00	100.00	100.	.00
Drilling		146.2	63.0	60.9					
Other Wo	rk	79.4	34.2	33.1					
Recoverin	g	6.5	2.8	2.7	Efficiently o	f Drilling		<b>.</b>	
Subtota		232.1	100.0	96.7	Total Lengt	h/	m	day	m/day
Preparatio	on .	8.0		3.3	D	rilling Period	250.00	16.5	15.15
Dismantle	ment			0.0	Total Lengt	h/	m	shift	m∕shift
Transporta	tion	0.0		0.0	Total D	Drilling Shifts	250.00	29.0	8.62
Grand T	otal	240.1		100.0	Drilling Long	th/Each Bit	(m)	L	
Casing Pipe	Inserted				Bit Size	Drilling	Length	Core L	ength
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ 14.90		90	14.9	90
	(m)	× 10	0000	(%)	HQ	24.	90	24.9	90
HW	14.9	6.	0	100.0	NQ	210	.20	210.	20
NW	39.8	15	.9	100.0	·'				

# Appendix 1-4 Summary of Drilling Operation of MJSU-2

## Appendix 1-5 Record of Drilling Operation of MJSU-2.

	Drilling	g Length		Drilling	g Total		SH	ift	Man Working		
Date	Shift 1	Shift 2	Dri	ling	Ca	ore	Drilling	Total	Engineer	Worker	
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)	
Sep. 9	Preparation							1	3.0	3.5	
10	Day off										
11	4.70		4.70	4.70	4.70	4.70	1	1	3.0	4.5	
12	5.45	4.75	10.20	14.90	10.20	14.90	2	2	5.0	5.5	
13	3.00	9.30	12.30	27.20	12.30	27.20	2	2	5.0	5.5	
14	11.70	2.70	14.40	41.60	14.40	41.60	2	2	5.0	5:5	
15	13.05	15.60	28.65	70.25	28.65	70.25	2	2	5.0	5.5	
16	12.00	5.90	17.90	88.15	17.90	88.15	2	2	5.0	5.0	
17	Day off		0.00	88.15	0.00	88.15					
18	7.05	11.05	18.10	106.25	18,10	106.25	2	2	5.0	5.0	
19	12.00	14.85	26.85	133.10	26.85	133.10	2	2	5.0	5.0	
20	11.65	2.25	13.90	147.00	13.90	147.00	2	2	5.0	5.0	
21	0.00	4.25	4.25	151,25	4,25	151,25	2	2	5.0	5.0	
22	10.50	14.50	25.00	176.25	25.00	176.25	2	2	5.0	5.0	
23	14.00	9.75	23.75	200.00	23.75	200.00	2	2	5.0	5.0	
24	Day off		0.00	200.00	0.00	200.00					
25	8.25	3.60	11.85	211.85	11.85	211.85	2	2	5.0	5.0	
26	10.00	12.30	22.30	234.15	22.30	234.15	2	2	5.0	5.0	
27	15.85	Casing take-out	15.85	250.00	15,85	250.00	2	2	5.0	5.0	
otal				250.00		250.00	29	30	76.0	80.0	

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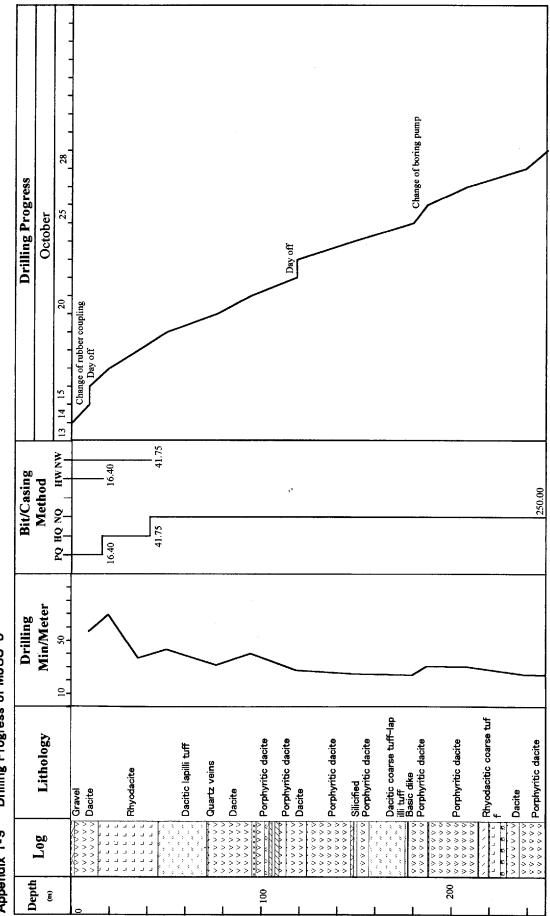
- 4 -

MJ	SU-3			Surve	Period			Total M	lan-day	
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker	
Operation										
Preparatio	on	Oct. 13, 19	99	1.0	1	.0	0.0	5.0	5.0	
Drilling		Oct. 14, 1999-	Oct. 28, 1999	14.5	12,5		2.0	65.0	65.0	
Dismantlir	ng	Oct. 28, 19	99	0.0	0	.0	0.0	0.0	0.0	
Total		_		15,5	13	3.5	2.0	70.0	70.0	
Drilling Len	gth	(m)		(m)	Core Recov	very of 100m	Hole			
Length Pi	anned	250.00	Overburden	0.00	Depth of H	ole	Core	Cumulative Core		
Increase/	Decrease	0.00	Core Length	250.00	1			Recovery		
in Length					(m) (%) (%)		ຄ			
Length Dri	lled	250.00	Core	100.00	0.00 to 100	0.00	100.00	100	.00	
			Recovery(%)		100.00 to 2	200.00	100.00	100	.00	
Working Ho	urs	(h)	(%)	(%)	200.00 to 2	250.00	100.00	100	.00	
Drilling		134.0	61.2	59.8						
Other Wo	rk	61.2	27.9	27.3						
Recoverin	g	23.8	10.9	10.6	Efficiently o	f Drilling		A		
Subtotal		219.0	100.0	97.8	Total Lengt	h/	m	day	m/day	
Preparatio	n .	5.0		2.2	D	rilling Period	250.00	14.5	17,24	
Dismantle	ment			0.0	Total Lengt	h/	m	shift	m/shift	
Transports	ition	0.0		0.0	Total D	Drilling Shifts	250.00	25.0	10.00	
Grand To	otal	224.0		100.0	Drilling Long	th/Each Bit	(m)			
Casing Pipe	inserted				Bit Size Drilling Length		Core L	.ength		
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ 16.40		40	16.4	40	
	(m)	× 11	00%)	(%)	HQ 25.35		25.	35		
нพ	16.4	6.	6	100.0	NQ	208	.25	208.	25	
NW	41.8	16	.7	100.0	e.					

## Appendix 1-7 Summary of Drilling Operation of MJSU-3

#### Appendix 1-8 Record of Drilling Operation of MJSU-3

	Drilling	Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dri	ling	Co	ore -	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Oct. 13	Preparation	Repairing	0.00	0.00	0.00	0.00	0	2	5.0	5.0
14	3.65	5.60	9.25	9.25	9.25	9.25	2	2	5.0	5.0
15	Day off		0.00	9.25	0.00	9.25				
16	5.55	4.85	10.40	19.65	10.40	19.65	2	2	5.0	5.0
17	7.75	7.85	15.60	35.25	15.60	35.25	2	2	5.0	5.0
18	6.50	8.45	14.95	50,20	14.95	50.20	2	2	5.0	5.0
19	12.45	13.85	26.30	76.50	26.30	76.50	2	2	5.0	5.0
20	7.80	10.20	18.00	94,50	18.00	94,50	2	2	5.0	5.0
21	15.45	8.55	24.00	118.50	· 24.00	118.50	2	2	5.0	5.0
22	Day off		0.00	118.50	0.00	118.50				
23	10.85	19.15	30.00	148.50	30.00	148.50	2	2	5.0	5.0
24	19.50	11.70	31.20	179.70	31,20	179.70	2	2	5.0	5.0
25	7.35	Repairing	7.35	187.05	7.35	187.05	1	2	5.0	5.0
26	10.80	10.00	20.80	207.85	20.80	207.85	2	2	5.0	5.0
27	12.65	18.25	30.90	238.75	30.90	238.75	2	2	5.0	5.0
28	11.25	Casing take-out	11.25	250.00	11.25	250.00	2	2	5.0	5.0
tai				250.00		250.00	25	28	70.0	70.0



Appendix 1-9 Drilling Progress of MJSU-3

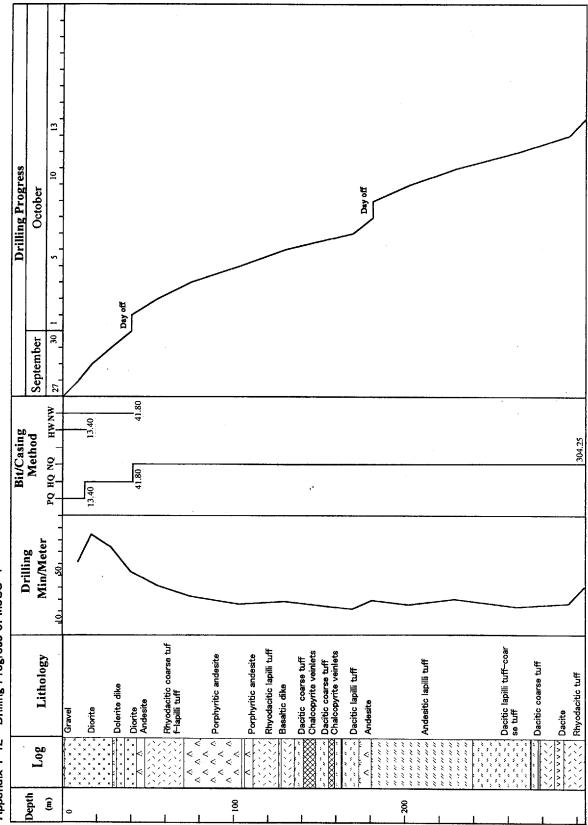
- 6 -

MJ	SU-4			Survey	/Period			Total M	an-day	
		Pe	riod	Day	Worl	k Day	Off Day	Engineer	Worker	
Operation										
Preparatio	on	Sep. 27		0.0	0	0.0		0.0	0.0	
Drilling		Sep. 27, 1999	Oct. 13, 1999	17.0	15	5.0	2.0	75.0	75.0	
Dismantlin	ng	Oct. 13, 19	99	0.0	0	.0	0.0	0.0	0.0	
Total				17.0	15	5.0	2.0	75.0	75.0	
Drilling Len	gth	(m)		(m)	Core Recov	very of 100m	Hole	<u></u>		
Length Pl	anned	250.00	Overburden	0.00	Depth of Ho	ele	Core	Cumulative (	Core	
Increase/	Decrease	54.25	Core Length	302.85	Recovery		Recover		Recovery	
in Length					(m) (%)		(m) (%)		)	
Length Dri	lled	304.25	Core	99.54	0.00 to 100	0.00	98.60	98.	60	
			Recovery(%)		100.00 to 2	200.00	100.00	99.	30	
Working Ho	urs	(h)	(%)	(%)	200.00 to 3	00.00	100.00	99.	53	
Drilling		168.3	71.5	70.1	200.00 to 3	804,25	100.00	99.	54	
Other Wo	rk	62.1	26.4	25.9						
Recoverin	g	4.9	2.1	2.0	Efficiently o	f Drilling				
Subtota		235.3	100.0	98.0	Total Lengt	h/	m	day	m∕day	
Preparatio	on	4.8		2.0	D	rilling Period	304.25	17.0	17.90	
Dismantle	ment			0.0	Total Lengt	h/	m	shift	m/shift	
Transporta	ition	0.0		0.0	Total D	Drilling Shifts	304.25	30.0	10.14	
Grand T	otal	240.1		100.0	Drilling Long	th/Each Bit	(m)			
Casing Pipe	Inserted				Bit Size Drilling Length		Core L	.ength		
Size	Meterage	Meterage/D	rilling Length	Recovery	y PQ 13.40		13.4	10		
	(m)	× 10	00%)	(%)	06) HQ 28.40 2		27.0	00		
HW	13.4	4.	4	100.0	NQ	262	.45	262.	45	
NW	41.8	13	.7	100.0	et					

#### Appendix 1-10 Summary of Drilling Operation of MJSU-4

#### Appendix 1-11 Record of Drilling Operation of MJSU-4

	Drilling	Length		Daily	Total		Sh	ift	Man W	<i>l</i> orking
Date	Shift 1	Shift 2	Dril	ling	Co	ore	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Sep. 27	2.50	6.55	9.05	9.05	9.05	9.05	2	2	5.0	5.0
28	4.00	3.80	7.80	16.85	7.80	16.85	2	2	5.0	5.0
29	5.00	6.15	. 11,15	28.00	11.15	28.00	2	2	5.0	5.0
30	6.20	5.60	11.80	39.80	10.40	38.40	2	2	5.0	5.0
Oct, 1	Day off		0.00	39.80	0.00	38.40				
2	3.35	12.15	15.50	55.30	15.50	53.90	2	2	5.0	5.0
3	12,85	6.70	19.55	74.85	19.55	73.45	2	2	5.0	5.0
4	11,45	17. <b>00</b>	28.45	103.30	28.45	101.90	2	2	5.0	5,0
5	16.00	10.50	26.50	129.80	26.50	128.40	2	2	5.0	5.0
6	18.50	21.00	39.50	169.30	39.50	167.90	2	2	5.0	5.0
7	5.45	6.20	11.65	180.95	11.65	179.55	2	2	5.0	5.0
8	Day off		0.00	180.95	0.00	179.55				
9	9.30	12.05	21.35	202.30	21.35	200.90	2	2	5.0	5.0
10	12.85	13.65	26.50	228.80	26.50	227.40	2	2	5.0	5.0
11	17.00	19,20	36.20	265.00	36.20	263.60	2	2	5.0	5.0
12	18.30	11.75	30.05	295.05	30.05	293.65	2	2	5.0	5.0
13	8.10	1.10	9.20	304.25	9.20	302.85	2	2	5.0	5,0
otal				304,25		302.85	30	30	75.0	75.0



Appendix 1-12 Drilling Progress of MJSU-4

- 8 -

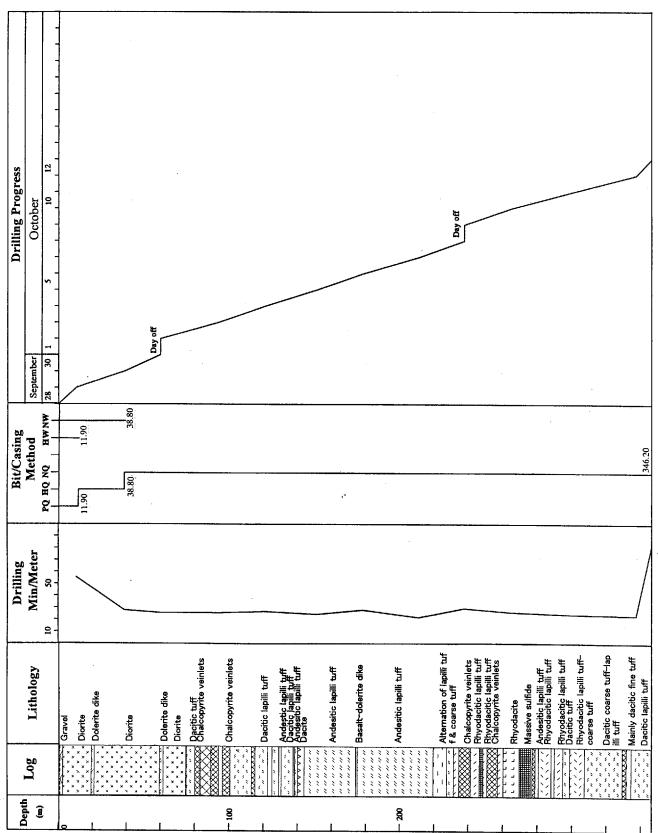
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MJ	SU-5			Survey	y Period			Total M	an-day
Operation		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker
Preparatio	on	Sep. 28, 19	99	0.0	0	.0	0.0	0.0	0.0
Drilling		Sep. 28, 1999	-Oct. 12, 1999	15.0	1:	13.0		65.0	65.0
Dismantli	ng	Oct. 12, 19	39	0.0	0	.0	0.0	0.0	0.0
Total		1		15.0	1:	3.0	2.0	65.0	65.0
Drilling Lon	gth	(m)		(m)	Core Recov	very of 1 <b>00</b> m	Hole	· · · · · · · · · · · · · · · · · · ·	
Length Pl	anned	250.00	Overburden	Overburden 0.00		ole	Core	Cumulative (	Core
Increase/	Decrease	96.20	Core Length	346.20				Recovery	
in Length	Length		_		0	m)	00	00	
Length Dri	ength Drilled		Core	100.00	0.00 to 100.00		100.00	100.	00
			Recovery(%)		100.00 to 2	200.00	100.00	100.	00
Working Ho	urs	(h)	(%)	(%)	200.00 to 3	300.00	100.00	100.	00
Drilling		160.6	78.9	77.2	200.00 to 3	46.20	100.00	100.	00
Other Wo	rk	42.0	20.6	20,2					
Recoverin	g	1.0	0.5	0.5	Efficiently o	f Drilling			
Subtotal		203.6	100.0	97.8	Total Lengt	h/	m	day	m/day
Preparatio	n	4.5		2.2	ם	rilling Period	346.20	15.0	23.08
Dismantle	ment			0.0	Total Lengt	h/	m	shift	m/shift
Transporta	ition	0.0		0.0	Total D	Drilling Shifts	346.20	26.0	13.32
Grand To	otal	208.1		100.0	Drilling Long	gth/Each Bit	(m)		
Casing Pipe	Inserted				Bit Size Drilling Length		Core L	ength	
Size	Meterage	Meterage/D	rilling Length	Recovery	/ PQ 11.90		90	11.90	
	(m)	× 10	00%)	(%)	HQ 26.90		26.90		
HW	11.9	3.	4	100.0	NQ	307	.40	307.	40
NW	38.8	11	2	100.0	r, t				

#### Appendix 1-13 Summary of Drilling Operation of MJSU-5

#### Appendix 1-14 Record of Drilling Operation of MJSU-5

	Drilling	g Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dril	ling	Co	ore	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Sep. 28	3.40	7.15	10.55	10.55	10.55	10.55	2	2	5.0	5.0
29	7.90	20.35	28.25	38.80	28,25	38.80	2	2	5.0	5.0
30	8.60	12.60	21.20	60.00	21,20	60.00	2	2	5.0	5.0
Oct. 1	Day off		0.00	60.00	0.00	60.00				
2	18.65	15.55	34.20	94.20	34,20	94.20	2	2	5.0	5.0
3	14.00	13.00	27.00	121.20	27.00	121.20	2	2	5.0	5.0
4	18.00	12.20	30.20	151.40	30.20	151.40	2	2	5.0	5.0
- 5	13.80	13.00	26.80	178.20	26.80	178.20	2	2	5.0	5.0
6	17.45	15.35	32.80	211.00	32.80	211.00	2	2	5.0	5.0
7	12.20	14.30	26.50	237.50	26.50	237.50	2	2	5.0	5.0
8	Day off		0.00	237.50	0.00	237.50				
9	18.50	9.05	27.55	265.05	27.55	265.05	2	2	5.0	5.0
10	13.45	21.55	35.00	300.05	35.00	300.05	2	2	5.0	5.0
11	19.15	18.00	37.15	337.20	37.15	337.20	2	2	5.0	5.0
12	9.00	Casing take-out	9.00	346.20	9.00	346.20	2	2	5.0	5.0
otal		1 1		346.20		346.20	26	26	65.0	65.0





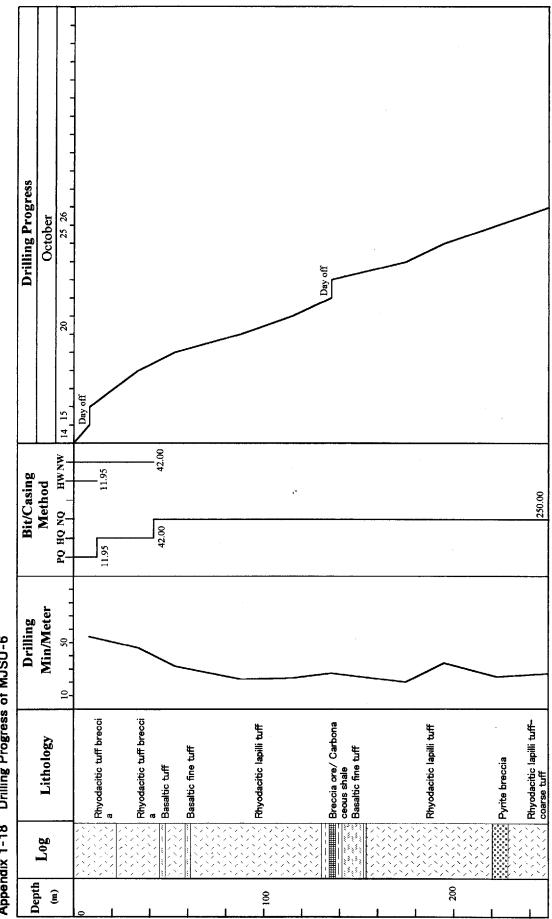
MJ	SU-6			Surve	y Period			Total M	an-day	
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker	
Operation								-		
Preparati	on	Oct. 14, 19	99	0.0	0	0,0	0.0	0.0	0.0	
Drilling		Oct 14, 1999	Oct. 26, 1999	13.0	1.	1.0	2.0	55.0	55.0	
Dismantli	ng	Oct. 26, 19	99	0.0	0	0.0		0.0	0.0	
Total	··· · · · · · · · · · · · · · · · · ·			13.0	1.	1.0	55.0	55.0		
Drilling Len	gth	(m)		(m)	Core Recov	Core Recovery of 100m				
Length Pi	anned	250.00	Overburden	0.00	Depth of Hole		Core	Cumulative (	Соге	
Increase/	Decrease	0.00	Core Length	250.00			Recovery	Recovery		
in Length					6	m)	(%)	a	5	
Length Dri	led	250.00	Core	100.00	0.00 to 100	0.00	100.00	100	.00	
			Recovery(%)		100.00 to 2	200.00	0.00 100.00		0.00	
Working Ho	urs	(h)	(%)	(%)	200.00 to 2	250.0	100.00	100	00	
Drilling		119.5	69.9	67.9						
Other Wo	rk	47.0	27.5	26.7						
Recoverin	g	4.5	2.6	2.6	Efficiently o	f Drilling	•			
Subtotal		171.0	100.0	97.2	Total Lengt	h/	m	day	m/day	
Preparatio	on	5.0		2.8	D	rilling Period	250.00	13.0	19.23	
Dismantle	ment	0.0		0.0	Total Lengt	h/	m	shift	m∕shift	
Transporta	ition	0.0		0.0	Total D	Drilling Shifts	250.00	22.0	11.36	
Grand T	otal	176.0		100.0	Drilling Long	th/Each Bit	(m)	L		
Casing Pipe	Inserted				Bit Size	Drilling	Length	Core L	ength	
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ 11.		95	11.9	5	
	(m)	× 10	00%)	(%)	HQ 30.0		05	30.0	5	
н₩	12.0	4.	8	100.0	NQ	208	.00	208.00		
NW	42.0	16	.8	100.0	e <sup>1</sup>	1				

#### Appendix 1-16 Summary of Drilling Operation of MJSU-6

# Appendix 1-17 Record of Drilling Operation of MJSU-6

	Drilling	Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dril	ling	Co	ore	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Oct. 14	3.45	4.80	8.25	8.25	8.25	8.25	2	2	5.0	5.0
15	Day off		0.00	8.25	0.00	8,25				
16	5.50	7,35	12.85	21.10	12.85	21.10	2	2	5.0	5.0
17	7.05	6.00	13.05	34.15	13.05	34.15	2	2	5.0	5.0
18	7.85	11.30	19.15	53.30	19.15	53.30	2	2	5.0	5.0
19	19.60	15.10	34.70	88.00	34.70	88.00	2	2	5.0	5.0
20	18.00	9.15	27.15	115.15	27.15	115.15	2	2	5.0	5,0
21	11.85	8.75	20.60	135,75	20.60	135.75	2	2	5.0	5.0
22	Day off		0.00	135,75	0.00	135.75				
23	22.75	16.30	39.05	174.80	39.05	174.80	2	2	5.0	5.0
24	10.20	10.15	20.35	195.15	20.35	195.15	2	2	5.0	5.0
25	9.85	18.00	27.85	223.00	27.85	223.00	2	2	5.0	5.0
26	16.50	10.50	27.00	250.00	27.00	250.00	2	2	5.0	5.0
otal				250,00		250.00	22	22	55.0	55.0

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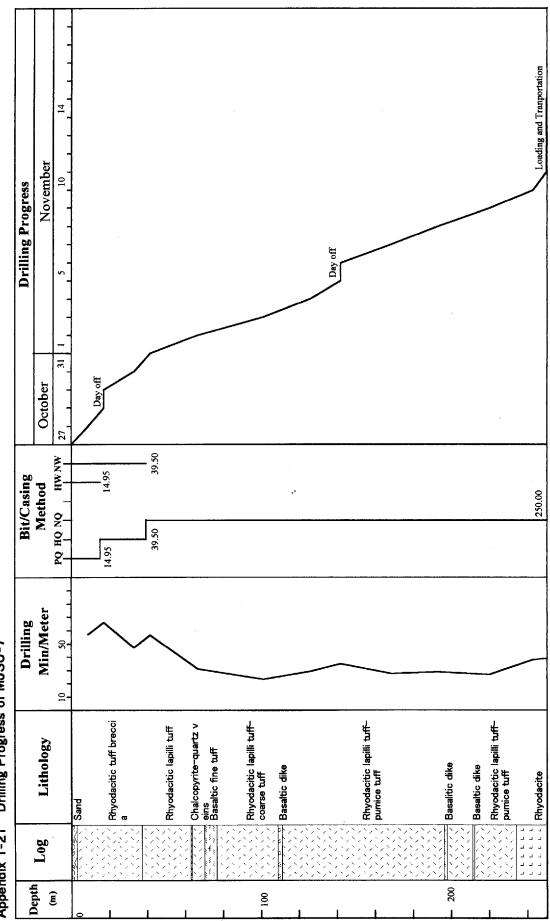
Appendix 1-18 Drilling Progress of MJSU-6

MJ	SU-6			Surve	y Period			Total N	lan-day	
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker	
Operation										
Preparati	on	Oct. 27, 19	99	0.0	0	.0	0.0	0.0	0.0	
Drilling		Oct. 27, 1999-	Sep. 10, 1999	15.0	1:	3.0	2.0	70.0	70.0	
Dismantli	ng/Transport	Sep. 11, 1999	- Sep.14, 1999	4.0	3	.0	1.0	10.0	10.0	
Total				19.0	10	5.0	3.0	80.0	80.0	
<b>Drilling Ler</b>	igth	(m)		(m)	Core Recovery of 100m Hole		Hole	·	· · · · · · · · · · · · · · · · · · ·	
Length Pl	anned	250.00	Overburden	0.00	Depth of Hole C		Core	Cumulative	Core	
Increase/	Decrease	0.00	Core Length	249.65			Recovery	Recovery		
in Length					(m)		(%)		(%)	
Length Dri	belli	250.00	Core	99.86	0.00 to 100.00		99.65	99.65		
			Recovery(%)		100.00 to 200.00		100.00	99.	83	
Working Ha	urs	(h)	(%)	(%)	200.00 to 250.0		100.00	99.	86	
Drilling		140.8	68.6	60.7						
Other Wo	rk	64.3	31.4	27.7						
Recoverir	g	0.0	0.0	0.0	Efficiently o	f Drilling		******		
Subtota		205.1	100.0	88.4	Total Lengt	h/	m	day	m/day	
Preparatio	on	3.0		1.3	D	rilling Period	250.00	15.0	16.67	
Dismantle	ment	24.0		10.3	Total Lengt	h/	m	shift	m∕shift	
Transporta	ition	0.0		0.0	Total D	Drilling Shifts	250.00	26.0	9.62	
Grand T	otal	232.1		100.0	Drilling Long	th/Each Bit(	(m)			
Casing Pipe Inserted			Bit Size	Drilling	Length	Core L	ength			
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ	14.	95	14.9	95	
	(m)	×10	00%)	(%)	HQ	24.	55	24.2	20	
-w	15.0	6.	0	100.0	NQ	210	.50	210.	50	
W	39.5	15	.8	100.0	r,					

# Appendix 1-19 Summary of Drilling Operation of MJSU-7

## Appendix 1-20 Record of Drilling Operation of MJSU-7

	Drilling	g Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dril	lling	Co	ore	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Oct, 27	1.60	7.10	8.70	8.70	8.70	8.70	2	2	5.0	5.0
28	5.55	2.85	8.40	17.10	8.05	16.75	2	2	5.0	5.0
29	Day off		0.00	17.10	0.00	16.75				
30	8.00	7.95	15.95	33.05	15.95	32.70	2	2	5.0	5.0
31	6.45	2,05	8.50	41.55	8.50	41.20	2	2	5.0	5.0
Nov. 1	14.95	10.05	25.00	66.55	25.00	66.20	2	2	5.0	5.0
2	19.45	15.20	34.65	101.20	34.65	100.85	2	2	5.0	5.0
. 3	15.80	8.85	24.65	125.85	24.65	125.50	2	2	5.0	5.0
4	10.05	5.95	16.00	141.85	16.00	141.50	2	2	5.0	5.0
5	Day off		0.00	141.85	0.00	141.50				
6	13.65	13.00	26.65	168.50	26.65	168.15	2	2	5.0	5.0
7	12.50	12.00	24.50	193.00	24.50	192,65	2	2	5.0	5.0
8	13.00	14.00	27.00	220.00	27.00	219.65	2	2	5.0	5.0
9	12.00	11.05	23.05	243.05	23.05	242.70	2	2	5.0	5.0
10	6.95	Casing take-out	6.95	250.00	6.95	249.65	2	2	5.0	5.0
11	Loading							1	5.0	5.0
. 12	Day off									0,0
13	Loading			-				1	5.0	5.0
1.4	Transportat	ion		-				1	5.0	5.0
otal				250.00		249.65	26	29	80.0	80.0



Appendix 1-21 Drilling Progress of MJSU-7

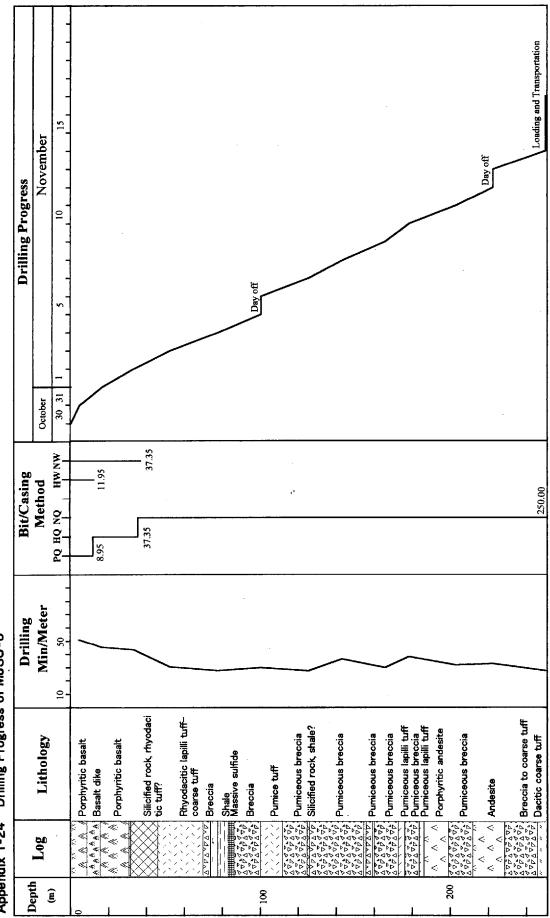
-14-

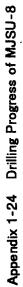
MJ	SU-6			Surve	y Period			Total M	an-day
Operation		Period		Day	Wor	k Day	Off Day	Engineer	Worker
Preparati	on	Oct. 29, 19	00	15		5	1.0		
Drilling		· · · · · · · · · · · · · · · · · · ·	-Sep. 13, 1999	145		35		2,5	2!
	/Transportation			3.0		1.0	1.0 0.0	62.5 15.0	62.
Total				19.0		7.0	2.0	80.0	15. 80.
Drilling Ler	igth	(m)	1	(m)	+	very of 100m	L,	00.0	00,0
Length P	anned	250.00	Overburden	0.00	Depth of Hole Core		Cumulative (	Core	
ncrease/	Decrease	0.00	Core Length	249.40	I		Recovery	Recovery	2018
in Length						m)	C6)	os (	3
Length Dr	illed	250.00	Core	99.76	0.00 to 100.00		99.40	99.40	
			Recovery(%)		100.00 to 200.00		100.00	99.7	
Working Ho	urs	(h)	(%)	06)	200.00 to 250.0		100.00	99.7	-
Drilling		135.8	61.7	56.6					
Other Wo	rk	83,3	37.8	34,7					·
Recoverir	g	1.0	0.5	0.4	Efficiently o	f Drilling			
Subtota		220.1	100.0	91.7	Total Lengt	h/	m	day	m/dav
Preparatio	on	4.0		1,7	-	rilling Period	250.00	14.5	17.24
Dismantlemen	t/Transportation	16.0		6.7	Total Lengt	h/	m	shift	m/shift
					Total C	Drilling Shifts	250.00	27.0	9.26
Grand T	otal	240.1		100.0	Drilling Long	th/Each Bit(	m)	<u>_</u>	
Casing Pipe	Inserted				Bit Size	Drilling	Length	Core L	ength
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ	8.9	5	8.9	5
	(m)	×10	0(%)	(%)	HQ	28.4	40	27.8	0
-IW	12.0	4.	8	100.0	NQ	212	.65	211.0	65
W	37.4	14	.9	100.0	e)				

### Appendix 1-22 Summary of Drilling Operation of MJSU-8

# Appendix 1-23 Record of Drilling Operation of MJSU-8

	Drilling	z Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dril	ling	Co	ore	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Oct. 2	9 Day off									
30	Preparation	4.70	4.70	4.70	4.70	4.70	1	2	5.0	5.
31	6,55	5.40	11,95	16.65	11.35	16.05	2	2	5.0	5.
Sep.	1 8.35	8.25	16.60	33,25	16.60	32.65	2	2	5.0	5.
2	4.10	15.05	19.15	52.40	19.15	51.80	2	2	5.0	5.
3	18.00	7.40	25.40	77.80	25.40	77.20	2	2	5.0	5,
4	13.60	9.00	22.60	100.40	22.60	99.80	2	2	5.0	5.
5	Day off		0.00	100.40		99.80				
6	10.60	14.55	25,15	125.55	25,15	124,95	2	2	5.0	5.
7	7.70	10.05	17,75	143.30	17.75	142.70	2	2	5.0	5.
8	11.10	11.40	22.50	165.80	22.50	165.20	2	2	5.0	5.
9	5.50	7.10	12,60	178.40	12.60	177.80	2	2	5.0	5.
10	15.00	9.50	24,50	202.90	24.50	202,30	2	2	5.0	5,0
11	9.50	10.10	19.60	222.50	19.60	221,90	2	2	5.0	5.
12	Day off		0.00	222.50		221.90				
13	7.70	19.80	27.50	250.00	27.50	249.40	2	2	5.0	5.0
14	Casing take-out	Casing take-out					2	2	5.0	5.0
15	Loading							1	5.0	5.0
16	Transportati	ion						1	5.0	5.0
tal				250.00		249,40	27	30	80.0	80.0





-16-

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ltem	Size	Bit No.	T			Drilling I	Meterage/	Each Bit			Total (m)
			MJSU-1	MJSU-4	MJSU-6		MJSU-2		MJSU-3	MJSU-8	
		#162468	10.30								10.30
		#5557-2	1.60	9.05	4.80						15,45
		#162469	· · · · · · · · · · · · · · · · · · ·	4.35	3.45						7.80
		#845581			3.70						3.70
		#845579				1.60					1.60
	80	#843664				8.60					8.60
	PQ	#162465				4.75					4.75
		#5557-3					14.90	11.90	12.75	7.45	47.00
		#843657							3.65	1.50	5.15
		Subtotal	11.90	13.40	11.95	14.95	14.90	11.90	16.40	8.95	104.35
		Average					11.00	11,00	10.40	0.00	11.59
		#9283361	20.85	14.05							34.90
		#9283405		4.30							4.30
		#845581		3.45							3.45
		#81588		6.60	2.95						9.55
		#9283398			27.10	0.55					27.65
		#83341				9.55					9.55
	HQ	#18773				14.45					14.45
1		#9283401					24.90	26.90	25.35	17.10	94.25
		#83535								11.30	11.30
		Subtotal	20.85	28.40	30.05	24.55	24.90	26.90	25.35	28.40	209.40
-		Average	07.00	0.70							23.27
		#9284332	97.20	6.70							103.90
		#8459261 #9284330	11.05								11.05
Diamond Bit		#9204330	45.00 65.60	- 26.25							45.00
		#8459222	05.00	<u>26.35</u> 115.40							91.95
		#8459263		104.80							115.40
		#9284224		9.20	93.60	77.50					104.80
		#8459227		<u>9.20</u>	52.10						<u>180.30</u> 52.10
		#186532		f	8.30	31.20					39.50
1		#8459256			54.00	01.20				2.95	56.95
		#9284763			07.00	24.85				36.20	61.05
		#186544				76.95				00.20	76.95
		#9284335					55.40	26.80			82.20
		#8459262					20.50	20.00			20.50
1		#845976					38.50				38.50
	NQ	#9284334					57.65	24.90			82.55
		#8459259					38.15	24.00			38.15
1		#9284709						76.00			76.00
		#9284331						11.70			11.70
		#8459257						77.80			77.80
		#9284208						81.20	87.60		168.80
		#9284268		· · · · · ·				9.00	01.00		9.00
		#9284225						0.00	78.50		78.50
		#9284717							42.15	69.85	112.00
		#9284329								22,95	22.95
		#186531								35.65	35.65
		#186547		T						20.00	20.00
		#8459192								25.05	25.05
		Subtotal	218.85	262.45	208.00	210.50	210.20	307.40	208.25	212.65	1,838.30
		Average									65.65
		Total	251.60	304.25	250.00	250.00	250.00	346.20	250.00	250.00	2,152.05

## Appendix 1-25 Drilling Meterage of Diamond Bit Used

Appendix	1-26	Consumables	Used

						Drill H	ole No.				Total
Expendable Items	Spec.	Unit	MJSU-1	MJSU-2	MJSU-3	MJSU-4	MJSU-5	MJSU-6	MJSU-7	MJSU-8	Amount
Diesel Fuel		I	1,055	1,020	1,005	1,140	1,125	990	1,115	1,100	8,550
Gasoline		1	218	211	265	283	233	216	250	285	1,961
Hydraulic. Oil		1	38	70	40	15	30		20	40	253
Engine Oil		1	48	43	34	39	45	23	45	68	345
Gear Oil		1	2	7	9	5	9	6	2	6	46
Grease		kg	4	13	10	8	21	5	3	13	77
Soda		kg								2	2
Polymer GS550		kg	128	105	123	147	130	115	114	117	979
GS20		I	8	35		4	34		9	4	94
Lubtub		kg				2				9	11
Solcut		I	89	40	23	45	40	56	76	75	444
Stop Plus		kg			6			3	5	5	19
Bentonite		kg	1							50	50
Diamond Bit	PQ	pcs						1			1
Diamond Bit	HQ	pcs				2			2		4
Diamond Bit	NQ	pcs	2		2	3	3	3	3	3	19
Reaming Shell	NQ	pcs	1		1	1			1	1	5
Core Lifter	HQ	рсв				3	1				4
Core Lifter	NQ	pcs	7	1		3	5	5	6	9	36
Core Lifter Case	HQ	pcs			·	1					1
Core Lifter Case	NQ	pcs		1		1	2		1	3	8
Core Barrel	NQ	pcs				2					2
Outer Tube	NQ	pcs	1								1
Outer Tube Barrel	HQ	pcs							1		1
Temperature Gauge		pcs	1								1
Oil Pressure Gauge		pcs.	1								1
Shaft Off Valve	NQ	pcs	2	1							3
Stop Ring	NQ	pcs	1								1
Adapter Coupling	NQ	pcs	1		1	2		1	1		6
Locking Coupling	NQ	pcs			1			1	1		3
Engine Belt		pcs	2								2
Barrel Outer	NQ	pcs			1						1
Stabilizer	NQ	pcs			1						1
Landing Ring	NQ	pcs			1						1
Latch Spilling	NQ	pcs			1						1
Inner Tube Head	NQ	pcs			1						1
Water Swivel		pcs				1				1	2
Pipe Wrench		pcs					1	4			5
Drill Rod	NQ	pcs					1			1	2
Rubber Coupling		pcs	l	1		1					2

Appendix 1-27 Geological Logs of MJSU-1 to MJSU-8

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Drill Hole No.: Date Started: Date Completed:

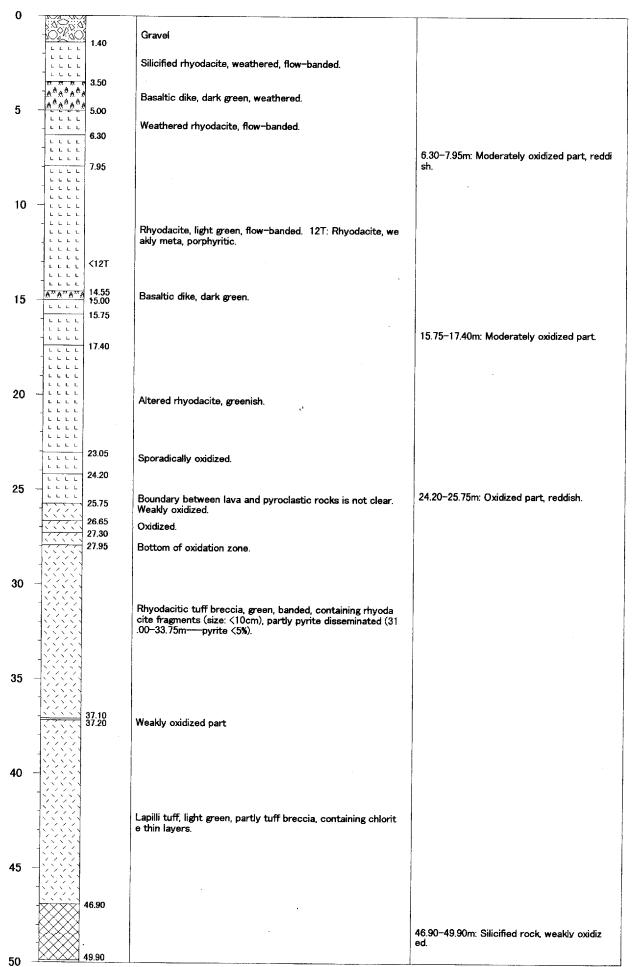
Depth

MJSU-1 September 11 September 26 Easting: Northing: Elevation(mSL): E 708.478 N 2,617.501 955 Drilled by DMI

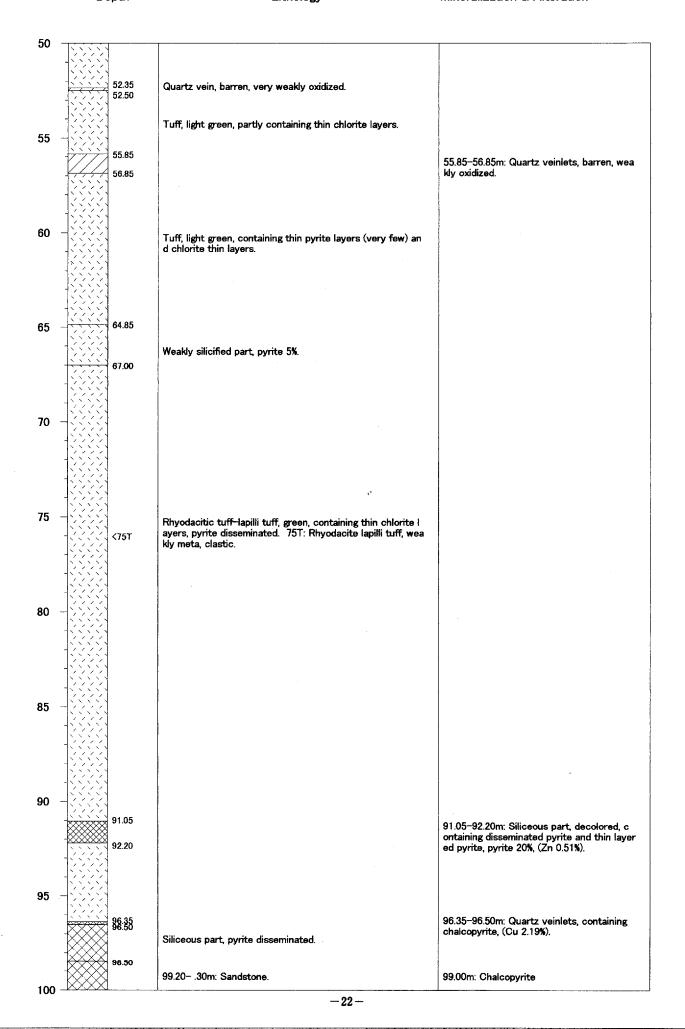
Drilled by DMMR/BRGM

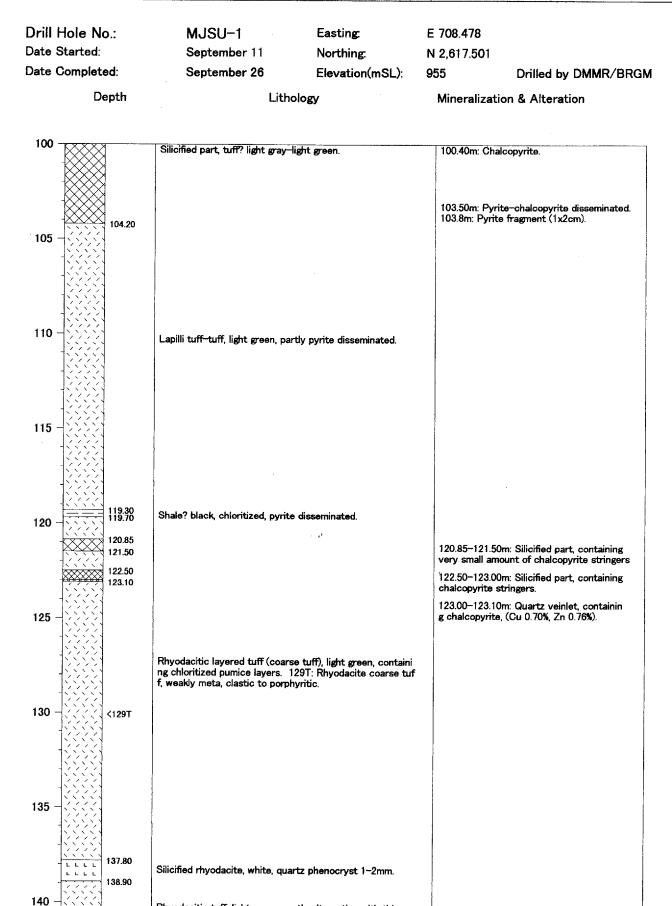
Lithology

Mineralization & Alteration



Drill Hole No.:	MJSU-1	Easting:	E 708.478	
Date Started:	September 11	Northing:	N 2,617.501	
Date Completed:	September 26	Elevation(mSL):	955	Drilled by DMMR/BRGM
Depth	Lith	ology	Mineralizat	ion & Alteration





Rhyodacitic tuff, light green, partly alternating with thin sa ndstone layers, dip 50.

Silicified rhyodacitic tuff, greenish white, very hard.

Rhyodacitic tuff, light green, banded, partly brecciated, bre ccia containing quartz phenocryst 1-2mm, weakly pyrite di sseminated.

Dolerite dike, dark green, with calcite veinlets.

150

145

143.40

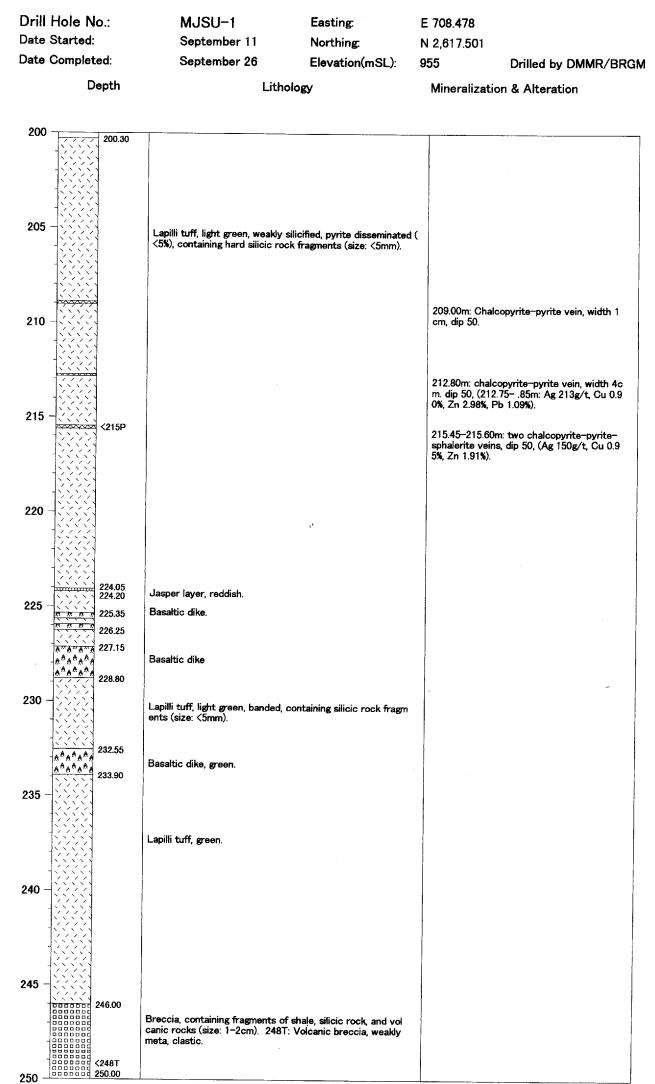
144.30

147.60

148.60

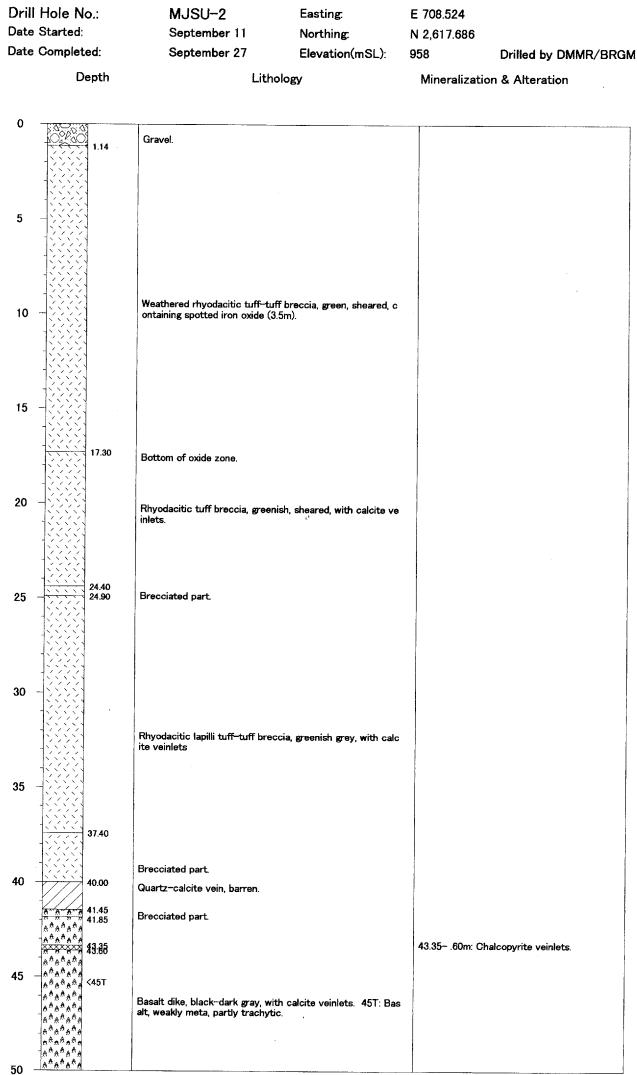
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Drill Hole No.: Date Started:	MJSU-1	Easting.	E 708.478	
Date Started. Date Completed:	September 11 September 26	Northing: Elevation(mSL):	N 2,617.501 955	Drilled by DMMR/BRGM
Depth	Lithol			on & Alteration
Bopur		с <b>Б</b> у	in for anguce	
150	Silicified rhyodacitic tuff, white,	very hard.	d, with reddish	
A <u>AAA</u> 152.30 152.70 153.40	Dolerite dike Rhyodacitic tuff, light green, bar	nded.	d.	m: Weakly pyrite disseminate m: Chalcopyrite stringers, a
154.10	Silicified rhyodacitic tuff, very h Rhyodacitic tuff, partly silicified		nd hematite ve	m: Weakly pyrite disseminate
155 - 155.30 <u>A ** A ** A ** A</u> 156.30 156.70	ns quartz phenocryst 1-2mm. Dolerite dike, dark green.		d, with reddish	jasper.
156.70				
160	Rhyodacitic tuff, light green, flow	w~banded.		
162.00				
165 -	Silicified lapilli tuff, white, very h	nard.		
170 - 170.40	Breccia, size of fragment 5–10n	nm.		
175 -	Lapilli tuff, hard, light gray, parti s (chlorite?, 5mm in thickness).	' y containing black thin layer	-	
180 -				
185				
187.80 A <sup>A</sup> A <sup>A</sup> A <sup>A</sup> A A <sup>A</sup> A <sup>A</sup> A <sup>A</sup> A 189.15	Basalt-dolerite dike, dark green,	, with calcite veinlets.		
190 -				
	Lapilli tuff, light green, containin 3mm), banded.	g silicic fragments (size 2-		
195 -				
197.50				
200 <199Т	Alternating bed of siltstone and acitic tuff, weakly meta, clastic.			
		-24-		



Drill Hole No.: Date Started:	MJSU-1 September 11	Easting: Northing:	E 708.478 N 2,617.501	
Date Completed:	September 26	Elevation(mSL):	955	Drilled by DMMR/BRGM
Depth	Litholo	ŝy	Mineralizatio	n & Alteration

250	7	Lapilli tuff.			
	251.60				
-					
-					
255 -					
260 -					
-					
-					
-					
265 -					
-					
-					
270 –					
-					
-			19		
275 –					
1					
_					
_					
280 -					
-					
-					
285 -					
j					
]					
290 -					
-				· ·	
-					
-					
295					
-					
-	-				
300 –					
300 -			-26-		



-27-

Drill Hole No.:	MJSU-2	Easting:	E 708.524	
Date Started:	September 11	Northing:	N 2,617.686	
Date Completed:	September 27	Elevation(mSL):	958	Drilled by DMMR/BRGM
Depth	Litho	logy	Mineralizat	tion & Alteration

<b>50</b>	<u>A*A*A*</u> A	50.50		
		00.00		
	1999		Brecciated part of pyroclastic rock.	
			Brecciated part of pyroclasuc rock	
	KSSS			
55 ·				
	AAAAAA	55.75	Basalt, gray, with pyrite veinlets.	
	1 1 1 1 1	56.40	Brecciated pyroclastic rocks.	
	A.A.A.	57.25		
	_A^A^AA^A A^A_A^A_A^A			
	-*****			
60	^^^^^^^^^	1.1		
	A^A^AA AAAAAA		Basalt, greenish gray, partly brecciated, with epidote. 63T: Basalt, weakly meta, originally aphyric.	
	A*A*A*A		busin, money mous, originally aphyric.	
	A^A^A^A			
	A**A**A**A			
		<63T		
05	A A A A A			64.2040m: Chalcopyrite veinlets in basalt
65	A^A^AA^A	65.60 <65T		
		1001	Microdiorite, greenish gray. 65T: Microdiorite, weakly meta	
	- * * * *	67.20	, micro-ophitic.	
	AAAAAA	07.20	·	
	- A <sup>A</sup> A <sup>A</sup> A <sup>A</sup> A			
	A*A*A*			
70	*****		Basalt, partly brecciated, with pyrite and calcite veinlets.	
	A <sup>0</sup> A <sup>0</sup> A <sup>0</sup> A			
	AAAAAA			
	A*A*A*	72.00	Lapilli tuff.	
	A.A.A.	72.80 73.15		· · · · ·
		74.00		
75		75.90	Lapilli tuff.	
	A^A^AA^A	75.30 <75T		
	~~~~~~		Basalt. 75T: Basalt, weakly meta, porphyritic.	
	AAAAAA			
	1	77.80	Silicified tuff.	
		79.25	Basalt, with pyrite veinlets	
80	<u>^^^</u> ^^	79.90		
05		]		
85			Lapilli tuff-tuff, light green, banded, with pyrite veinlets.	
	15555			
		]		
		ł		
	1999			
••		1		
90				
		Į		
	KSS	ł		
	15555			
	1222	1		
95				
	1885			
	1222	1		
	19999	<98X		
	$\left \right\rangle$	99.10	Silicified.	
100	N. C.S.	1		
			- 28 -	

Depth	Lith	ology	Mineraliz	zation & Alteration
Date Completed:	September 27	Elevation(mSL):	958	Drilled by DMMR/BRGM
Date Started:	September 11	Northing:	N 2,617.68	36
Drill Hole No.:	MJSU-2	Easting:	E 708.524	

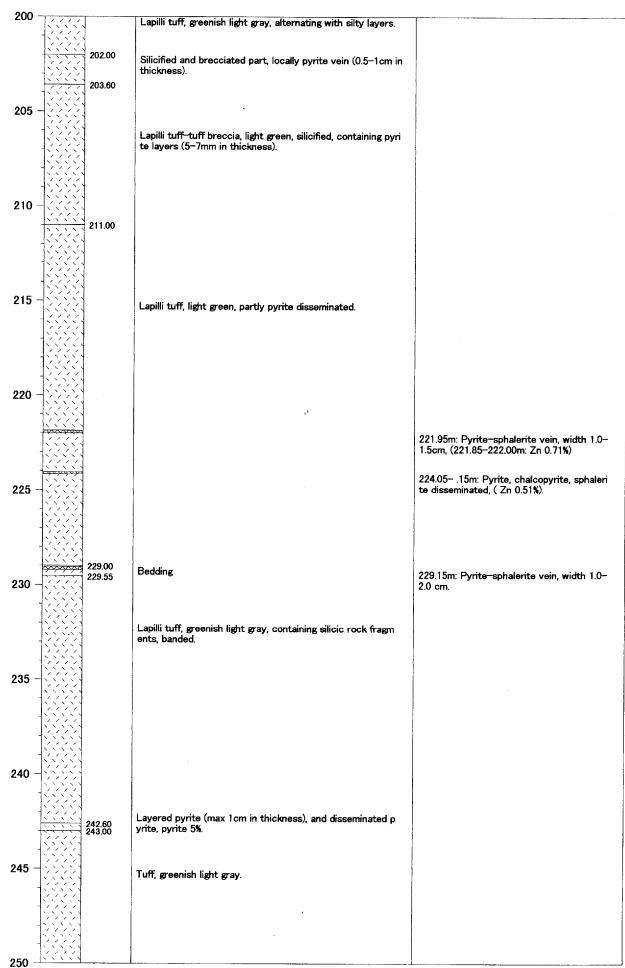
100 -	· · · · · ·			
100			Tuff, light green, weakly silicified.	
			TUT, INTE BOOT, WORNY SITCHING.	
		104.20		
105 -			Basaltic tuff, black to dark gray. 106T: Basaltic tuff, weakly meta, clastic to sub-trachytic.	
		<106⊤ 106.25		
			Basaltic tuff?	106.25–109.05m: Siliceous part, with layer ed pyrite, pyrite 15%.
		109.05		
110 -				
				-
115 -			Basaltic tuff, greenish.	
-				
		<11 <b>7X</b>		
-				
100				
120 -		<120T	Reverse grading, 120T: Basaltic tuff, weakly meta, clastic.	
-		121.15		
-				
-				
125 -		125.40		
-				
-		128.10		1
4		128.20		
130 -		130.10	Lithology and mineralization at the interval between 121.1	
-			Lithology and mineralization at the interval between 121.1 5–144.8m are shown in the attached detailed lithologic log (scale 1:50).	
-				
135 -				
-				
-				
-				
-	2 7 7 7			
40 -				
-				
_		142.25		
-				
45 -		144.80		
. 1				
I50 –			-29-	

-29-

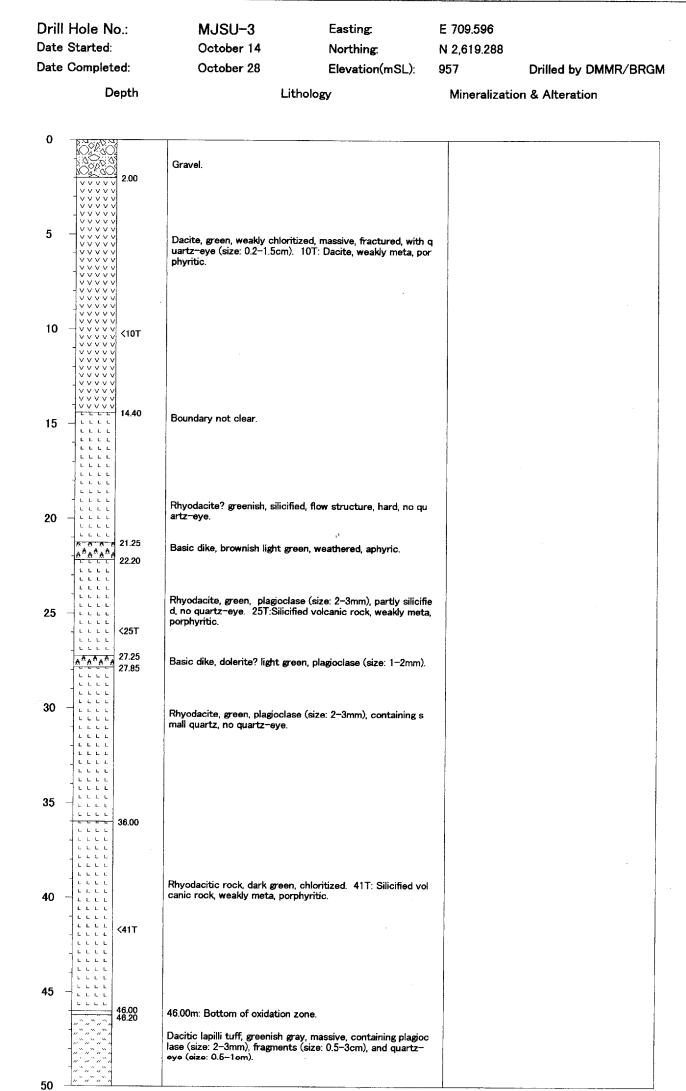
Drill Hole No.:	MJSU-2	Easting:	E 708.524	
Date Started:	September 11	Northing:	N 2,617.686	
Date Completed:	September 27	Elevation(mSL):	958	Drilled by DMMR/BRGM
Depth	Lithold	yey .	Mineralizatio	n & Alteration

150 -			Lapilli tuff, greenish light gray, partly tuff breccia.	
		153.25 153.60	Quartz veinlets, barren.	
155 -				155.30m: Quartz vein, 1cm width, containin
		156.30 157.00	Shale, dark gray, hard, containing pyrite (grain size: 1–2mm) , dip50.	g pyrite, dip 45.
160 -				
			Tuff breccia, greenish light gray, hard, containing silicic roc k fragments (size: 0.5–4cm).	
165 -				163.75m: Quartz vein, 1cm width, containin g chalcopyrite.
		168.25		
170		169.40	Alternating bed of conglomerate (consisting of silicic rock fragment, 1–3cm) and siltstone, greenish light gray, hard.	
170 -			Lapilli tuff, light gray.	
		17 <u>2.99</u>	Siltstone, light gray, hard, dip 50.	
175 -			Lapilli tuff, rhyodacitic, greenish light gray, hard, containing silicic rock fragments (size: <5mm).	
			Lapilli tuff, rhyodacitic, light green, partly conglomeritic, ban ded.	
180 -				
185 -	A*A*A*A	185.20 185.70	Basalt-dolerite dike, greenish.	
			Lapilli tuff-tuff breccia, rhyodacitic, green, containing chlor ite layers, pyrite disseminated.	
190 -				
105				
195 -		196.30		
			Weakly silicified tuff, hard, banded, pyrite disseminated, pyrit e <1%.	
200 -		199.00		

Depth	Lith	ology	Minerali	zation & Alteration
Date Completed:	September 27	Elevation(mSL):	958	Drilled by DMMR/BRGM
Date Started:	September 11	Northing:	N 2,617.68	86
Drill Hole No.:	MJSU-2	Easting:	E 708.524	



-31-



-33-

Drill Hole No.:	MJSU-3	Easting	E 709.596	
Date Started:	October 14	Northing:	N 2,619.288	
Date Completed:	October 28	Elevation(mSL):	957	Drilled by DMMR/BRGM
Depth	Lit	hology	Mineralizati	on & Alteration

-	" <i>"</i> " <i>"</i> " <i>"</i>	50.00	50.00-55.90m: Dacitic lapilli tuff, greenish gray, with round	50.00-53.30m: Moderately silicified, pyrite
		1	ed quartz-eyes (size: 1.0-1.5cm) and light green plagioclas	einlets, pyrite 2-3%.
		ł	e (size: 2-3mm).	
	-"``"``"``"	ł		
	<i></i>	1		
		53.30		
	- "× "× "× "	1		
	<i>"" "" "" "</i>			
-	<i></i>			
		55.90		
		56.15		55.90-56.15m: Chloritized part, pyrite diss
	<u>""""</u>	57.10		minated and banded, pyrite 10%.
		0		
	<i>"""</i> """		Pyrite veinlets sporadically.	
	<i>"" "" "" "</i>	50.05		
	$\nabla \Pi \Pi \Pi$	59.05		59.0590m: Quartz vein, parallel to core,
_	<u></u>	59.90		containing small amount of pyrite.
	<i>"""""</i> ""			
	- <i>"""""</i> ""			
	<i></i>	1		
		1	Dacitic lapilli tuff, greenish gray, pale green plagioclase (size	
	<i>"" "" "</i> " "	<63T	: 2-3mm), pale green andesitic fragments (zenolith?, size: <	
	<i>"" "" ""</i> "	1001	4cm), quartz-eyes, pyrite weakly disseminated. 63T: Daciti	
	<i>"</i> ,",",",",",",",",",",",",",",",",",",	ł	c lapilli tuff, weakly meta, clastic.	
	// ๊ / ๊ / ๊ / ๊ /	1		
-	// // // // //////////////////////////	1		
		]		
		Ì		
		ł		
	<i>u``u``u``u</i>			
	<i>"``"`</i> "``"	Ì		
		68.85		
	" <i>"</i> """"	]		
_	" <i>"</i> """"	ł		
	1. 1. 1. 1.		Weakly chloritized, pyrite dissemination and veinlets, few.	
	<i>```````</i> ``	ł		
	11 11 11 11 11 11 11 11 11 11 11 11 11	71.85		
	V/////			71.85-72.60m: Quartz veins, 5-6 veins, 1-
	VVVVV	72.60		3cm wide, barren.
		1		
			Dacite, greenish dark gray, massive, quartz-eyes (size: 0.2	
	~~~~		-0.7cm), pyrite weakly disseminated.	
-			Salar Philo Heavy Usedimilator.	
	vvvvv	76 10		
	44444	76.10 76.25	Quartz vein (3cm wide), barren.	
	VVVVV			1
			Dacite, greenish gray, lava? massive, partly porphyritic.	
	VVVVV	}		}
-	- v v v v v v			
		ł		•
	V V V V V			
		ļ		
	_ v v v v v			
				81.55-85.60m: Fractured, sheared, partly
				yrite disseminated and veinlets.
-				
		85.60		
	V V V V V	l		
	1	·		
	V V V V V			
			Dacite, greenish gray, lava? massive, with quartz-eyes, part	
			ly porphyritic (size of plagioclase: 2–3mm). 89T: Dacite, we	
	v v v v v		akly meta, porphyritic.	
_		}	* ···· ···· ···· ···· ················	
	V V V V V			
	122222			
	V V V V V			
	v v v v v			
	V V V V V			
			Chloritization become strong downward.	
		95.65		
				95.65-97.75m: Strongly chloritized part, bl
				ck, pyrite disseminated and veinlets, pyrite
		07.75		15%.
			Chloritization bacome weak downward.	
	V V V V V			
	00000			

Drill Hole No.: Date Started:	MJSU-3 October 14	Easting: Northing:	E 709.596 N 2.619.288	
Date Completed:	October 28	Elevation(mSL):	957	Drilled by DMMR/BRGM
Depth	Lithol	ogy	Mineralization	a & Alteration

00 -	10000	·/		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Dacite, porphyritic, intrusive?	
		1	Boundary not clear.	
	****			
	A*A*A*	A	Basic dike, dark green, with calcite veinlets and quartz-ey es.	
	A*A*A*	104.60		
<b>)5</b> -	$\langle // \rangle$			104.60-106.20m: Quartz veinlets, pyrite ve inlets few.
		106.20		iniecs rew,
		/	Porphyritic dacite, with guartz-eyes.	
	****	107.80		
	1///	107.60		107.80-110.00m. Quartz veinlets, pyrite ve
	$\mathbf{V}/\mathbf{A}$			inlets few.
10 -	1.6	110.00		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	r		
	- v v v v v v v v v v	·	Porphyritic dacite, greenish gray, plagioclases (size:2–4mm	
			), with quartz-eyes.	
			Weakly silicified, plagioclase few.	
	VVVVV	114 90		
5 -	~~~~~	114.00		114.80-116.25m: Epidote veins, with hemat
		116.25		ite and pyrite.
		1	Silicified, no mineralization.	
		117.70		
	V V V V V			117.70-120.75m: Weakly silicified, pyrite ve nlets, epidote veins.
				niets, epidote veins.
20 -				
			Silicified dacite, greenish gray, plagioclase few, quartz-eye	
	~~~~		few.	
		124.50		
25 -	**** ****			
-	V V V V V   V V V V V			
	\` \` \` \` \`   \` \` \` \` \` \`			
_	\			
	V V V V   V V V V V			
-	* * * * * * * * * * * *			
0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
	* * * * * * * * * * * *			
	****	<131T		
-	*****		Porphyritic dacite, greenish gray, with quartz-eyes (size: 0.	
-	***** *****		5-1.0cm), pyrite weakly disseminated, epidotized plagioclas	
-	$\circ \circ $		es (size: 2–3mm). 131T: Porphyritic dacite, weakly meta, p orphyritic.	
5	**** ****			
5 -	* * * * * * * * * *			
-	* * * * * * * * * * * *			
-	* * * * * * * * * * * *			
	*****			
	~~~~			
-	$\circ \circ $			
0 0	$\psi \psi \psi \psi \psi \psi$ $\psi \psi \psi \psi \psi \psi$			
_	***** *****			
-	**** ****			
-	* * * * * * * * * *			
-	* * * * * * * * * * *		-	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
_	* * * * *			
5 –	* * * * * * * * * * * *			
-	**** ****			
-	**** ****			
	VVVVV XXXX	147.65		
	KXXX		Moderately silicified, brownish white.	
-		149.35		
,				

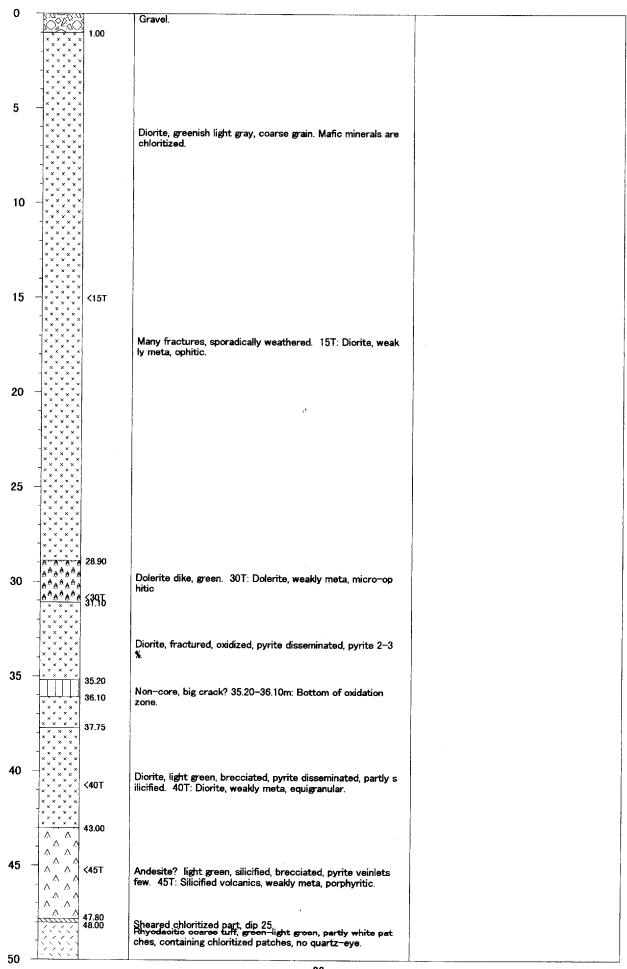
Drill Hole No.:	MJSU-3	Easting:	E 709.596	
Date Started:	October 14	Northing:	N 2,619.288	
Date Completed:	October 28	Elevation(mSL):	957	Drilled by DMMR/BRGM
Depth		Lithology	Mineralizatio	n & Alteration

150				
150 -	* * * * *	<150T	Microdiorite, reddish dark gray. 150T: Microdiorite, sub-tra	
	× × × × vvvvv	150.95	chytic.	
	- * * * * * - * * * * *			
	V V V V V			
	- V V V V V V V V V	153.15		150 15 154 50 ··· During an idea and idea 6
	<u> </u>			153.15-154.50m: Pyrite-epidote veinlets f ew.
	*****	154.50		<b>GW</b> .
155 -	<u> </u> vvvvv			
	- v v v v v - v v v v v			
	<u> </u>		Porphyritic dacite, dark gray, with quartz-eyes.	
	_ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	157.15		
		157.40		
				157.40-160.55m: Pyrite-chlorite veinlets, containing chalcopyrite sporadically.
	<i></i>			containing charcopyrite sporatically.
160 -				
		160.55		
	<b>1</b> ″″″″″″″			
	-,,``,,``,,``,		Chloritized part, with quartz-eyes. Plagioclase is not confir med.	
	<u></u>	162.85	mea.	
	<i></i>	• • • • •		162.85–164.00m: Silicified part, reddish whi
		164.00 164.45		te.
165 -		164.75		164.4575m: Pyrite veinlets, containing c
	// <i>// // // // // // // // // // // // </i>			halcopyrite few.
	- <i>"</i> `"`"`"		157.15–178.10m: Dacitic coarse tuff-lapilli tuff, dark gray,	
	"""""" """"		with quartz-eyes, volcanic rock fragments (size: 2-3cm) s	
	] <i>"</i> """""		poradically. 171T: Dacite coarse tuff, weakly meta, clastic.	
170 -				
170	<i></i>			
	- <i>" " " " "</i>			
	- " " " " " "	<171T		
	<i>"" "" "" "</i> " "			
	- "``"``"``"		1 <sup>1</sup>	
175 -				
170	huuuu	175.25	Jasper, reddish.	
		178:98		
	A~A~A~A		176.30–177.60m: Basic dike.	
	<u>~~~~</u> ~~~	177.60		
	<u> </u>	178.50		177.60-178.50m: Pyrite-chalcopyrite-epid ote veinlets, pyrite 5%.
	~ V V V V V V V V V V			ote venuets, pyrite 5%.
180 -	V V V V V			
100				
			below 178.10m: Porphyritic dacite, greenish dark gray, plagi	
			oclases (size: 2-4mm), quartz-eyes (0.5-0.7cm).	
	- v v v v v			
	V V V V V			
185 -	* * * * * * * * * * * *			
.00	V V V V V			
	<u> </u>			
		188.20		188.2075m: Chloritized part, chlcopyrite
		188.75	Chloritized part, porphyritic dacite? with quartz-eyes.	-pyrite veinlets, (Cu 1.57%).
190 -	ľXXXXI.	189.45		
.00				
			Moderately silicified part, brown-light green.	
		192.15		1
	V V V V V V V V V V			
	<u> </u> v v v v v			
	100000			
	- * * * * * *			
195	- * * * * * * * * * * * *			
195	- V V V V V V V V V V		Porphyritic dacite, greenish gray, weakly chloritized, with q	
195 -	- V V V V V V V V V V V V V V V V V V V		Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5–10mm), plagioclases (size:2–5mm).	
195			Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5–10mm), plagioclases (size:2–5mm).	
195			Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5–10mm), plagioclases (size:2–5mm).	
195			Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5–10mm), plagioclases (size:2–5mm).	
195			Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5–10mm), plagioclases (size:2–5mm).	
			Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5–10mm), plagioclases (size:2–5mm).	
195 200 -			Porphyritic dacite, greenish gray, weakly chloritized, with q uartz-eyes (size: 5-10mm), plagioclases (size:2-5mm). 	

Drill Hole No.:	MJSU-3	Easting:	E 709.596	
Date Started:	October 14	Northing:	N 2,619.288	
Date Completed:	October 28	Elevation(mSL):	957	Drilled by DMMR/BRGM
Depth	Li	thology	Mineralizat	ion & Alteration

200 -	81 81 82 82 84	l		
	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		Porphyntic dacite, greenish gray, weakly silicified, with quar	
	- vvvvvv		tz-eyes (size: 0.3-2.0cm), plagioclase (size: 3-5mm).	
	V V V V V V V V V V			
-	v v v v v			
	\(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\			
	V V V V V V V V V V			
-	<u> </u>			
	<u> </u>	204.25		204.25-206.70m: Chloritized part, weakly s
205 -	v v v v v		Brecciated, with guartz-eyes.	icified, chalcopyrite-pyrite veinlets sporad
	****		Drecciated, with quartz-eyes.	ally.
-	\v \v \v \v   \v \v \v \v \v			uny.
_		206.70		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
-	<u> </u>			
-	****		Pomphysitic desite meanich may cilicifed hyperioted was	
	V V V V   V V V V V		Porphyritic dacite, greenish gray, silicified, brecciated, wea kly chloritized, plagioclase (size: 2–5mm), quartz–eyes (5–7	
10 -			mm), sporadically chalcopyrite veinlets.	
-	~~~~		ning, sporadically charcopyrite vehillets.	
	1***** *****	<211X		
-	v v v v v	12117		
	V V V V V   V V V V V			
	V V V V V   V V V V V V			
	V V V V V			
-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
15 -		214.70 215.05		214 70-215 05-0 04-04-14 14 14
13 -	1111	215.05		214.70-215.05m: Strongly chloritized part,
-	>>>>			chalcopyrite-pyrite vein network, (Cu 5.05
	レンシン			<b>%</b> ).
-	レンンン	<217T		
	シンンン	<217X	Rhyodacitic? coarse tuff, greenish gray, partly lapilli tuff, fr	
-	12225		agments (size: 5mm), moderately silicified, weakly chloritize	
	NSS S		d, brecciated, with small quartz. 217T: Rhyodacite coarse	
-			tuff, weakly meta, clastic to porphyritic.	
20 -	1	000.40		
20		220.10 <220P		220.10-220.90m: Pyrite-chalcopyrite vein
-		<220P 220.90	i,	network, (Cu 2.48%).
	L L L L			
-			Silicified volcanic rocks, rhyodacite? greenish light gray, wi	
			th small quartz, brecciated.	
-	<b>.</b>			
	L L L L L L L L	<224X		
25 -		12678		
+	LLLL	996 90		
[	*****	226.30	226.30-229.60m: Basic dike, dolerite? plagioclase (size: 2-	
1	A <sup>A</sup> A <sup>A</sup> A <sup>A</sup> A	007.00	3mm), calcite veinlets.	
		227.60 227.95	Quartz vein, barren, dip 60-70.	
	*****			
-	******* *****			
		229.60		
30 -		-		
	v v v v v v			
	VVVVV			1
٦				
]	$\mathbf{v}$ $\mathbf{v}$ $\mathbf{v}$ $\mathbf{v}$ $\mathbf{v}$ $\mathbf{v}$			
	$\vee$ $\vee$ $\vee$ $\vee$ $\vee$	5232T	Dacite, greenish light gray, weakly silicified, no quartz-eye,	
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	{ <b>232</b> ₹	with small quartz, massive. 232T: Dacite, weakly meta, porp	
	$\vee$ $\vee$ $\vee$ $\vee$ $\vee$	{ <b>232</b> ₹	Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic.	
-	<pre>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</pre>	{ <del>232</del> ₹	with small quartz, massive. 232T: Dacite, weakly meta, porp	
25		< <del>232</del> ₹	with small quartz, massive. 232T: Dacite, weakly meta, porp	
35 -		{ <del>232</del> T ₹232T	with small quartz, massive. 232T: Dacite, weakly meta, porp	
35		{ <b>232</b> ₹	with small quartz, massive. 232T: Dacite, weakly meta, porp	
35		<232T 232℃ 236.40	with small quartz, massive. 232T: Dacite, weakly meta, porp	
35 -			with small quartz, massive. 232T: Dacite, weakly meta, porp	
35 -			with small quartz, massive. 232T: Dacite, weakly meta, porp	
35			with small quartz, massive. 232T: Dacite, weakly meta, porp	
35 -			with small quartz, massive. 232T: Dacite, weakly meta, porp	
35			with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic.	
			with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	
-			with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic.	
		236.40	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	
		236.40 <241C	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	
		236.40	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	241 85-243 25m Moderately silicified part
		236.40 <241C	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	
		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	pyrite dissemination few, chalcopyrite very
		236.40 <241C	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	
		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	pyrite dissemination few, chalcopyrite very
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	pyrite dissemination few, chalcopyrite very
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	pyrite dissemination few, chalcopyrite very
335		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (	pyrite dissemination few, chalcopyrite very
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes ( 0.2-1.2cm), weakly epidotized.	pyrite dissemination few, chalcopyrite very
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2–4mm), quartz-eyes ( 0.2–1.2cm), weakly epidotized. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta,	pyrite dissemination few, chalcopyrite very
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes ( 0.2-1.2cm), weakly epidotized.	pyrite dissemination few, chalcopyrite very
40		236.40 <241C 241.85	with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. Porphyritic dacite, plagioclase (size: 2–4mm), quartz-eyes ( 0.2–1.2cm), weakly epidotized. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta,	pyrite dissemination few, chalcopyrite very

Drill Hole No.:	MJSU-4	Easting:	E 709.167	
Date Started:	September 27	Northing:	N 2,619.582	
Date Completed:	October 13	Elevation(mSL):	958	Drilled by DMMR/BRGM
Depth	Lithology		Mineralization & Alteration	



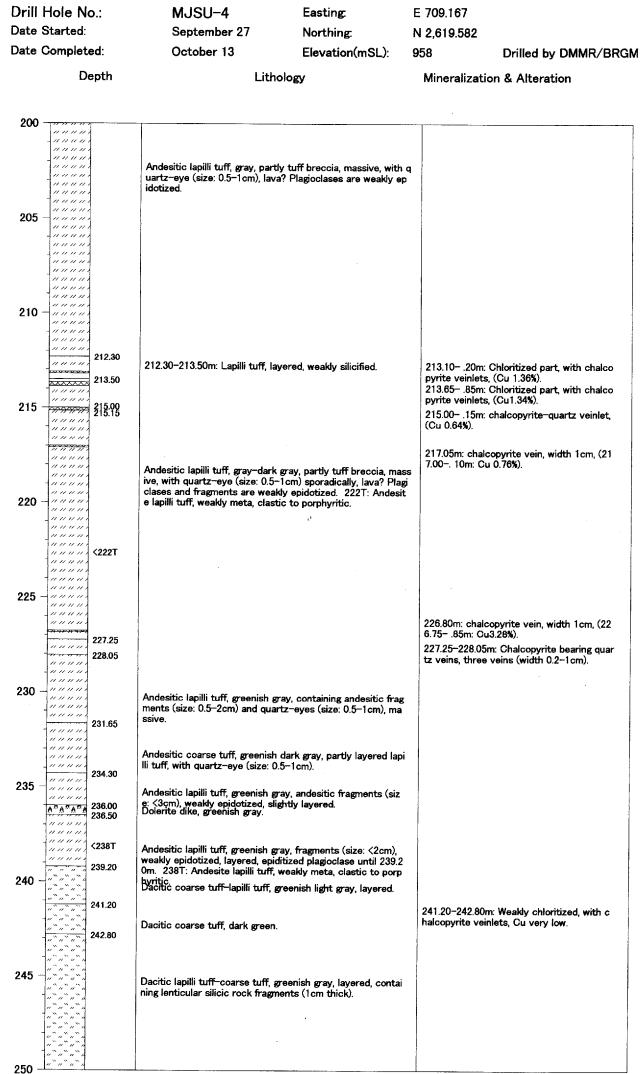
Drill Hole No.: Date Started:	MJSU-4 September 27	Easting: Northing:	E 709.167 N 2,619.582	
Date Completed:	October 13	Elevation(mSL):	958	Drilled by DMMR/BRGM
Depth	Lithold	) By	Mineralizatio	n & Alteration

50 -				] .
			Rhyodacitic coarse tuff, green, partly lapilli tuff. 52T: Rhyo	
		<52T	dacite corase tuff, weakly meta, clastic to porphyritic.	
	12222			
		54.65	54.65-55.50m: Basic dike, fractured, calcite veinlets.	
55 -	- <u>^^</u> ^^^^	55.30 55.50		
		55.50 <56 <b>X</b>	Strongly silicified part, rhyodacitic? tuff, with epidote veinle	
		JUUN	ts, very small amount of pyrite.	
		57.70		
			Rhyodacitic coarse tuff, green, no quartz-eye.	
60 -		60.25		
	$+\times$		Other state and sentely silisified south your small service of su	
		<61 <b>X</b>	Strongy-moderately silicified part, very small amount of py rite.	
	₩ <del>₩</del>	63.15	Rhyodacitic lapilli tuff, green, pyrite veinlets, small amount	
		64.30	of pyrite. 64.30–66.50m: Altered basic dike.	
65 -	AAAAAA	65.15	64.30-00.30m: Altered basic dike.	
			Strongly-moderately silicified part, very small amount of py	
		66.50	rite.	
		67.20 67.60 67.85	Strongly silicified part.	
	2222	67.85		
			Rhyodacitic coarse tuff, dark green, white patches.	
70 -				
		70.75		
	A A		Porphyritic andesite, greenish gray, size of plagioclase: 2–5 mm. Mafic minerals (size: 2–3mm) are chloritized.	
		72.30		
			к <sup>а</sup>	
75 -				
			76.30-76.70m: Calcite-quartz vein, barren, width 1cm. dip 90.	
			55.	
80 -		<80T	Andesite, greenish light gray, medium grain, partly porphyrit	
	$\land$ $\land$		ic. Mafic minerals are chloritized. 80T: Porphyritic andesit	
			e, weakly meta, porphyritic.	
	^	84.25		
85 -		85.00	Silicified andesite.	
	$\land$ $\land$			
90 -				
••			Porphyritic andesite, greenish light gray-greenish gray, siz e of plagioclase: 5mm, weakly epidotized. 95T: Porphyritic	
			andesite, weakly meta, porphyritic.	
95 -				
		<95T		
100			99.75-100.00m: Quartz vein, width 4cm, barren, dip 70.	
100 -				

Drill Hold Date Star		MJSU-4 September 27	Easting: Northing:	E 709.167 N 2,619.582	
Date Com	pleted:	October 13	Elevation(mSL):	958	Drilled by DMMR/BRG
	Depth	Lith	ology	Mineralizati	on & Alteration
100					
		Porphyritic andesite, greenish ~4mm, containing reddish felo epidotized.	ı gray, size of phenocrysts: 3 İspar. Plagioclases are weakly	y	
105 -	104.55	Lapilli tuff, greenish light gray ragments: <5mm.	, layered, rhyodacitic, size of	f	
		Porphyritic andesite, greenish th epidote.	ı dark gray, weakly silicified, ı	wi	
	111.10 111.40 111.65	Silicified rhyodacitic tuff, gree	nish gray, white patches.	111.40– .65m: (Cu 1.82%).	Pyrite-chalcopyrite veinlets,
115	**************************************	Basaltic dike, greenish gray.			
		Rhyodacitic lapilli tuff, greenis icified, containing silicic rock 1 y tuff breccia. 121T: Rhyodac stic to porphyritic.	ragments (size: 1-3cm), part	1	
120	<pre></pre>				
125 - 22					
	126.25	Basaltic dike, greenish gray, w Tuff breccia, greenish gray, rh			
130 - A*A A*A	129.75 A A A 130.85 <131X	Basaltic dike, greenish light gr	ay, with calcite veinlets.		
		Coarse tuff, greenish gray, lay Lapilli tuff-coarse tuff, light gr ments (size: <1cm) sporadicall	een, lavered, containing frag	133.1530m:	Pyrite 25%, banded.
135	135.20				
140 - " <sup>*</sup> ","	<pre>(138X) (138X) (138X) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140.50) (140</pre>	Dacitic coarse tuff, dark green e: 1cm) sporadically. 136T: Dar clastic to porphyritic.	ı, containing quartz−eye (siz cite coarse tuff, weakly meta		
	141.00	Dacitic coarse tuff, containing e sporadically. 143.1m <143X.	chlorite patches, quartz-ey	dth 0.5-1cm, (i	
145	143.40 144.85 144.85	145.3m: <145X.		m, three veins, <143P.	Chalcopyrite veins, width 4c dip 40, (Cu 10.40%). 143.3m: n: Chalcopyrite veinlets, (C
	146.40 146.60 147.30 147.80	146.85-147.00m: Basaltic dike Dacitic coarse tuff, dark green	chloritized, containing over		Chalcopyrite veinlets, (Cu 4. Chalcopyrite veinlets, (Cu 1.
150		tz-eye sporadically.	,	149.80− .90m: ( m: <149P	Chalcopyrite veinlets. 149.9

Drill Hole No.:	MJSU-4	Easting:	E 709.167	
Date Started:	September 27	Northing:	N 2,619.582	
Date Completed:	October 13	Elevation(mSL):	958	Drilled by DMMR/BRGM
Depth	Litho	logy	Mineralization	n & Alteration

150 -	<u>"</u> """""	1	Massive.	1
	,			
		152.60	Dacitic coarse tuff, dark green, layered, containing white fl	
			at patches (1–2mm thick) and quartz-eyes (size: 1cm).	
155 -	, , , , , , , , , , , , , , , , , , ,			
100		155.50		155.50-156.05m: Chalcopyrite veinlets, (C u 2.54%).
		156.05 156.20	156.70– .90m: Basaltic dike.	156.0520m: Chalcopyrite vein, dip 40, (C u 18.95%). 156.1m: <156P.
		157.45	130.7030m. Dasaruc dike.	157.45-158.25m: Chalcopyrite veinlets, (C
		158.25 158.55 158.85	158.25– .55m: Basaltic dike.	u 1.82%). 158.5585m: Chalcopyrite veinlets, (Cu 3.
	- <i>// // // //</i>	158.85		64%).
160 -	- " <i>" "" "" "</i> " <i>" "" "" "</i>			
	- "" " " " "		Dacitic lapilli tuff, dark green, partly layered, with quartz-ey	
	- "" "" ""	162.85	65.	162.85-163.00m: Chalcopyrite veinlets, (C
		163.00 163.30 163.40		u 2.72%). 163.3040m: Quartz vein containing chal
	- <i>""""</i> ""	163.40	164.15– .20m: Basaltic dike.	copyrite, (Cu 1.82%).
165 -				
			Dacitic lapilli tuff, dark green, partly layered, with quartz~ey	
			es.	
	······		167.9095m: Basaltic dike.	
		168.80	168.2030m: Basaltic dike, light green.	
170 -	11° 11° 11° 11° 11 - 11° 11° 11° 11° 11° 11° 11° 11° 11° 11	170.00	Tuff, dark green, layered, with quartz-eyes.	
		170.30		
			Sheared part, light green, clayey.	
		170.45		
		173.15	0	
175 -				
170		<175T	Andesite, greenish light gray, massive, epidotized plagioclas e, with quartz-eyes, partly containing andesitic rock fragm	
		(170)	ents (size: <4cm), lava? 175T: Andesite, weakly meta, porp hyritic.	
	<u> </u> ^^^^			
	]			
400				
180 -	^	180.45?		
			Andesitic lapilli tuff, partly layered, with quartz-eyes, white	
			flat patches (1–2mm thick), lava?	
185 -	11 11 11 11 11	185.00?		
	- 11 11 11 11 11 11		Andesitic lapilli tuff, greenish gray, massive, containing frag	
			ments (size: 1-2cm) and quartz-eyes, lava?	
	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	189.15?		
1 <b>90</b> -		100 550	Andesitic? lapilli tuff, greenish gray, a few fragments, weakly silicified.	
		190.55?		
	- 11 11 11 11 11 1		Andesitic lapilli tuff, greenish gray, containing andesitic frag	
		/1007	ments (size: <2cm), with quartz-eye sporadically, massive,	
		<193T	weakly pyrite disseminated. Fragments are weakly epidotize d. 193T: Andesite lapilli tuff, weakly meta, clastic to porphy	
195 -			ritic.	
	Tatatata		197.4570m: Quartz vein network, barren.	
	11 11 11 11 11 11 11 11 11 11 11 11 11 1			
200 -				
200			-42-	



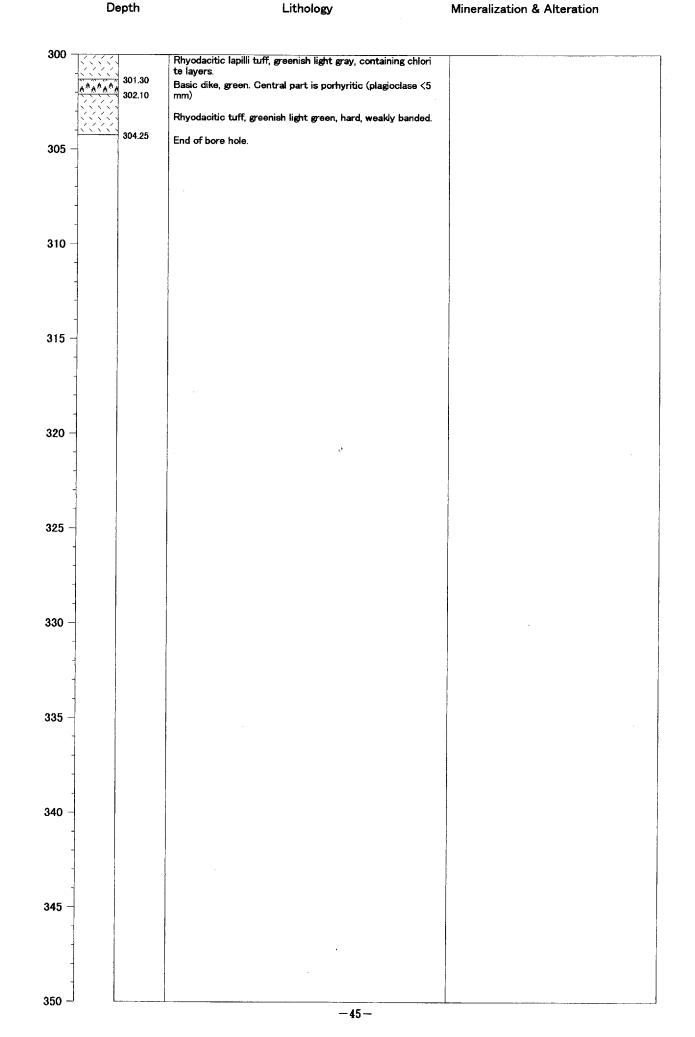
-43-

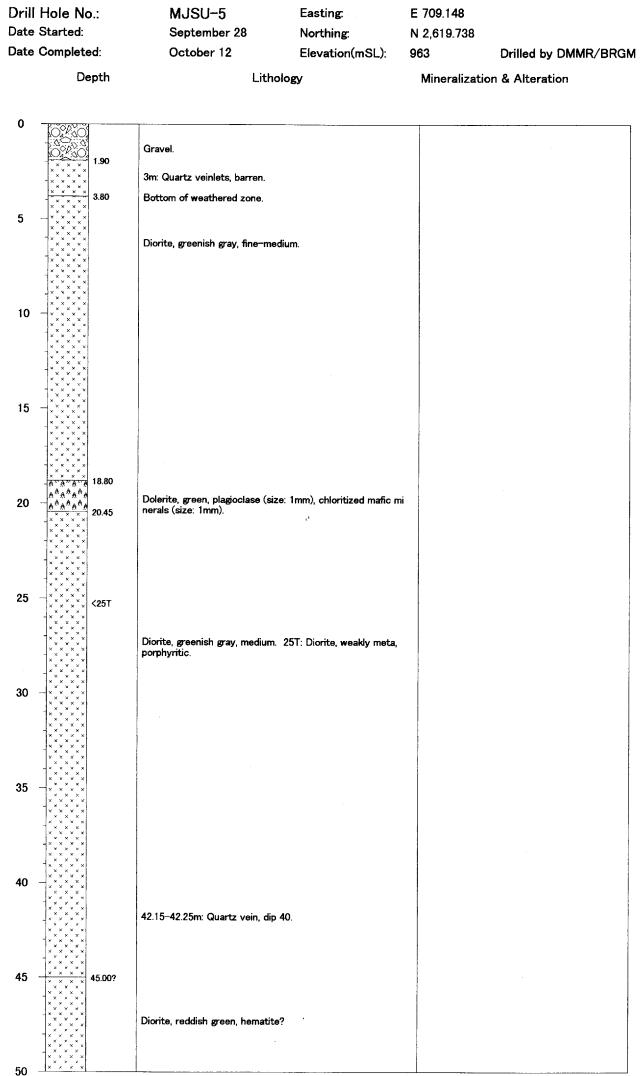
Date Started:	September 27	Northing:	N 2,619.582	Drilled by DMMR/BRGM
Date Completed:	October 13	Elevation(mSL):	958	
Depth	Lith	ology	Mineraliza	ation & Alteration

50	// / / //``/		
- "``"``	11 n 11 n		
-~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
-"""	" " 252 A5		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	253.45 253.70	Basic dike, light green.	
55 - <i>"``"`</i>	"``"		
JJ """	" " " "		
	"" ""	Dacitic lapilli tuff, greenish gray, layered, containing lenticul	
1	"``	ar silicic rock fragments (1cm thick), with quartz-eyes. 25 9T: Dacitic lapilli tuff, strongly by carbonete, clastic to porp	
-"""	" " " "	hyritic.	
	""" ""		
····	″`́^ <259T ″``́″		
»».»», – <b>0</b> 0	"" " " " "		
	<u>∼</u> 260.90	Weakly silicified.	
,	"```.	Dacitic lapilli tuff, greenish gray, containing lenticular silicic	
,	"``. "``.	rock fragments and quartz-eyes.	
<u> </u>	263.50		263.50– .75m: Pyrite veinlets, few chalcopy
·····	"``		rite.
5 - (", "",	"" » " "		263.75-267.05m: Chalcopyrite veinlets, sp
	"```.		oradic.
A** A**	267.05	267.0550m and 267.7090m: Basic dike, greenish light	
	267.50	gray.	
"""" """	" " " "	· ·	
// <sup>*</sup> /*	"```		
0	" " " "	Dacitic coarse tuff, greenish dark gray, with quartz-eyes.	
-"""	" " " " " "		
<i>"</i>	"``."		
	272.70		272.70-273.25m: chloritized veinlets, cont
<u> </u>	273:68	Weakly silicified.	aining chalcopyrite, (Cu 1.11%).
<i>"""</i> "	· ``		
′5 –″ <u>″</u> ຶ″ຸ	,	Dacitic coarse tuff, greenish dark gray, containing thin chi	
"""" """	v `` ^ v `` ^	orite layers and quartz-eyes.	
<u> </u>	276.55	Bedded chlorite layer and fine tuff.	
A* A*	277.35	Basic dike, dark green.	
<u> </u>	278.45	-	
	278.95		278.95-279.35m: Chloritized, chlcopyrite v
0 -{>>>	2		einlets, (Cu 2.72%). 279.1m: <279P.
		Rhyodacitic coarse tuff, greenish gray, layered, white spott	
	<282T	ed. 282T: Rhyodacite coarse tuff, silicified, clastic to porp	
		hyritic.	
	283.80		
- 1999	200.00	Sheared part, clayey.	
5 - [ ) ( )	건.		
-	285.70		285.70-286.75m: Pyrite rich, pyrite 10%. 2
1000	₩ 289:75	Sheared part.	85.8m: <285X.
	νv		
V V V V V V	V V <288T V V V V		
	v v v v	Dacitic dike? light green, plagioclase 1mm, siliceous, hard,	
	v v v v	massive. 288T: Dacite, weakly meta, porphyritic.	
V V V V V V	* * * *		
- V V V - V V V	v v v v		
	292.88		292.3060m: Pyrite banded, pyrite 10%. 292.60-293.00m: Banded pyrite and tuff, py
	***1 293.00	Brecciated rhyodacitic tuff, light green, clayey.	rite 30%.
	294.25	Silicified tuff, weakly brecciated.	293.00-294.25m: Pyrite veinlets. 294.25-295.15m: Pyrite veinlets.
5 - 🔆	295.15		LOTAD LOU. ION. FYING VOIMIGUS.
문문	<296T		
	3		
1000	5		
111		Rhyodacitic tuff, light green, with chlorite layers. 296T; Rh	
		yodacite tuff, weakly meta, clastic to porphyritic.	

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Drill Hole No.:	MJSU-4	Easting:	E 709.167	
Date Started:	September 27	Northing:	N 2,619.582	
Date Completed:	October 13	Elevation(mSL):	958	Drilled by DMMR/BRGM
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-47-

Drill Hole No Date Started: Date Complete		MJSU-5 September 28 October 12	Easting: Northing: Elevation(mSL):	E 709.148 N 2,619.738 963	Drilled by DMMR/BRGM
De	pth	Litholo	gy	Mineralization	& Alteration
50 ***** ***** ***** ***** *****		Diorite, reddish green.			
55 - **********************************					
60 - <sup>6</sup> ******	58.80	Dolerite dike, greenish gray.			
	<63T 64.00 64.15	Delogito d'Ira			
65	64.15	Dolerite dike. Diorite, reddish green, weathered afic minerals are chloritized. 63T	. Plagioclase is altered. M : Diorite, weakly meta, op		
70 -************************************		hitic.			
75	74.15 74.45	Brecciated part. Dacitic? tuff, green-dark green, y	,, weakly chloritized		
	77.70 79.40	Pyrite disseminated, strongly chlo	-		
80	79.90 80.55 80.95 81.70 82.55	79.90–80.55m: Strongly chloritizer n. Silicified, strongly chloritized tuff,		6%). 79.6m: <79X 80.5595m: Cha 2%). 81.70-82.55m: P ed, massive sulfi	alcopyrite veinlets, (Cu 1.8 alcopyrite veinlets, (Cu 4.6 yrite disseminated & layer de deposit type?, containin Cu 4.28%). 81.8m: <81P.
85 -		Strongly chloritized & silicified tu semination and veinlets, pyrite 20	ff, dacitic? black, pyrite dis %		
90 -	88.90	Dacitic Iapilli tuff.			trongly chloritized, weakly chalcopyrite dissemination
95 -	93.20	Dacitic Iapilli tuff, green, containir size: 0.2–1.0cm), with epidote veir	ng silicic rock fragments ( nlets, pyrite dissemination	and veinlets, (Cu	
	95.50 <96X <96P	and veinlets. Strongly chloritized, weakly silicifi	ed, dacitic tuff?	95.50–99.90m: C , (Cu 3.70%).	halcopyrite-pyrite veinlets
100	99.90				

Date Started:			September 28	Northing:	N 2,619.738	
Date Completed:		ed:	October 12	Elevation(mSL):	963	Drilled by DMMR/BRG
	D	epth	Lith	ology	Mineralizatio	n & Alteration
100	<i>u`u`u</i> `u`	101.00	Sheared lapilli tuff, weakly chi	oritized, pyrite disseminate	d.	
		~ ~ ~ ~ ~ ~				
		4				
		~				
105		4				
		4				
		a a				
		a				
		~	Dacitic coarse tuff-lapilli tuff, tz-eye (size: 0.5-1.0cm).	dark green, banded, with q	uar	
110		109.65				halcopyrite veinlets, width
		2			1–5mm.	
			Dacitic coarse tuff, greenish o	ark orall containing able the	111.90m: Chalco	opyrite vein, width 5mm.
		4	patches (size: 2-3mm), with a	uartz-eve (size: 0.3-1.0cm)		Chalcopyrite veinlets, width
	· · · · · ·		Chalcopyrite veinlets are spo	aurcany distributed.		Nada and 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -
115	11° 11° 11° 11° 11° 11° 11° 11° 11° 11°	114.50			114.35~ .50m: C m.	Chalcopy <del>rit</del> e vein, width 7m
		<115T			110 50 01 1	
	- """"""" """"""				T 10.50m: Chaice	opyrite vein, width 1-2mm.
		u u	Lapilli tuff, dark green, contair	ing silicic rock fragments (s	siz	
	_ u`` u`` u`` u`` u`` u`` u`` u`` u`` u`	9	e: 5-10mm), with quartz-eye ( tic lapilli tuff, weakly meta, cla	(size: 0.7-1.0cm). 115T: Da stic to porphyritic.	ici	
120 -						
	- " " " " "	121.70		۰,		
		12	Andesitic lapilli tuff, with quart			
			(size: 2-3mm), epidotized frag	ments (size: 0.5–0.7cm), sili	ci	
125 -	- // // // // // // // // // // // // //	<124T 124.40	c rock fragments are very few weakly meta, clastic to porphy			
120						
	""""""""""""""""""""""""""""""""""""""		Lapilli tuff, dark green, size of -eye.	fragments: <1cm, with quar	tz	
	"""""""  """"""	128.35				
	- 11 11 11 11 11 - 11 11 11 11 11 - 11 11 11 11 11	128.35 128.40	Chloritized part, with chalcopy Andesitic lapilli tuff, greenish o		ant	
130 -		129.85	s (size: 0.5-4.0cm), with quart	z-eye.	anc	
			Lapilli tuff, dark green, contain	ing silicic rock fragments (s	siz	
			e 5-7mm) sporadically, partly	banded, with epidote veinle	ts.	
	- <sup>11 ° 11</sup> ° 11 ° 11 ° 11 ° 11 ° 11 ° 11					
135 -						
		136.70	Andraitis to 10 to 1			
		137.60	Andesitic lapilli tuff, dark green oclase (size: 2-5mm), andesitic	n, greenish white altered pla ?  fragments (size: 0.5–3.0	agi c	
			m), with small quartz. Dolerite, greenish gray, with ca	alcite veinlets. 138T: Doleri	it	
140 -		139.20	e, weakly meta, ophitic.			
			Desite 1 0		、	
			Dacite lava?, massive, plagiocl	ase phenocryst (size: <1mm	n).	
		143.15				
		143.70	143.15– .50m: Fine tuff, light g 143.50– .70m: Chloritized part,	reen, silicified. quartz vein network, barre	ภ	
145 -	11 11 11 11 1 11 11 11 11 1		Andesitic lapilli tuff, dark greer			
	11 11 11 11 11 1 11 11 11 11 11 1		sitic rock fragments (size: 0.5-	2.0cm), epidotized plagiocla	16 15	
	11 11 11 11 11 1 11 11 11 11 11 1 11 11		e (size: 2–3mm), and quartz-ey	ve, chiontized.		
	11 11 11 11 11 1 11 11 11 11 11 1					
150 -	~ ~ ~ ~ ~ ~ ~			· · · · · · · · · · · · · · · · · · ·		

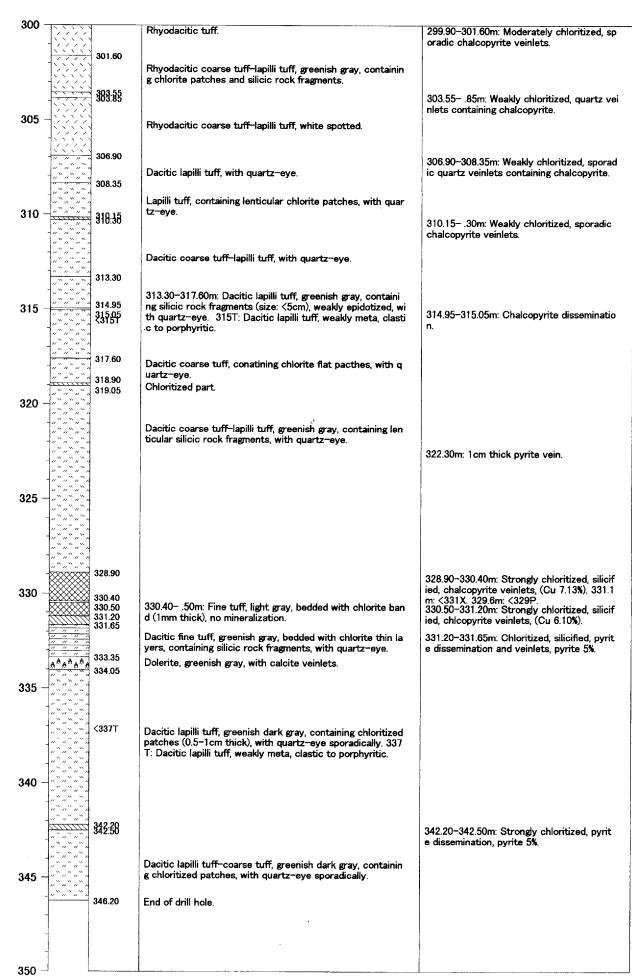
	Hole No Started:	D.:	MJSU-5 September 28	Easting: Northing:	E 709.148 N 2,619.738	
Date C	Complete	ed:	October 12	Elevation(mSL):	963	Drilled by DMMR/BRGM
Depth		pth	Lith	ology	Mineralizatio	n & Alteration
150 -					·	
		151.89	Choritized tuff, black.		151.30-151.65n ets.	n: Pyrite−chalcopyrite veinl
155 -					154.90m: Chalc cm	opyrite-pyrite vein, width 1
160 -			Andesitic lapilli tuff, greenish o rtly coarse tuff, containing epi 1.0cm), epidotized plagioclase 65T: Andesite lapilli tuff, weak	dotized fragments (size: 0.5- (2–3mm), with quartz-eye.	-   1	
165 -		<165T				
170 -						<i>,</i>
175 -	A^A^AA^A - A^AA^AA^A 	173.05 174.30	Basalt∽dolerite dike, greenish ts.	dark gray, with calcite veinle		
			Andesitic lapilli tuff, greenish c ed andesitic fragments (size: C	lark gray, containing epidotiz .5–3.0cm), with quartz-eye (		
180 -			size: 0.7–1.2cm).			
		181.85 182.90	Bedded coarse tuff, greenish I chlorite patches, dip 20. Dacitic coarse tuff, greenish g			
185 -		184.70 185:55	Silicified part.			
			Andesitic lapilli tuff-coarse tuf ning epidotized andesitic fragn oclase (size: 2-3mm), with qua	nents (size: 0.5-1.0cm), plagi		
190	11 11 11 11 11 1 <del>71 71 71 71 71</del> 11 11 11 11 11 1 11 11 11 11 11 1 11 11 11 11 11 1	190.20 190.35 192.20	Strongly chloritized part, shear Andesitic lapilli tuff.			
105		192.25 <194T	Quartz vein, barren, width 4cm	n, dip 35.		
195 -		196.50	Andesitic coarse tuff, greenish clase (size: 2–3mm), with quar tuff, weakly meta, clastic to po	tz-eye. 194T: Andesite lapill	li	: Strong chloritization.
			Andesitic coarse tuff, dark gra quratz.	v. with quartz-eve and small		

Drill Hole No.: Date Started:		0.:	MJSU-5 September 28	Easting: Northing:	E 709.148 N 2,619.738	
ate (	Complet	ed:	October 12	Elevation(mSL):	963	Drilled by DMMR/BRG
Depth		epth	Litho	blogy	Mineralizatior	n & Alteration
200	<del></del>	200.30				
		1				
		1				
		1				
		1.				
205		1			204 60-205 25m	: Chloritized part.
205	11.11.11.11.				204.00 200.2011	
		1				
		1	Andesitic lapilli tuff, greenish g	rav, partly tuff breccia, conta		
			ining epidotized andesitic fragm	nent (size: 0.5-6cm), with epi	-	
		1	dotized plagioclase. Quartz-ey dically distributed. 210T: Ande		c	
210 -	11 11 11 11		lastic to porphyritic.			
210		<210T				
		1				
		1				
015						
215		215.40				
		1	Coarse tuff, greenish dark gray	, with quartz-eye, containin		
		217.20	g chlorite patches.		01700 05 0	
		4	217.35-218.30m: Silicifiled part	: (coarse tuff).	disseminated, py	hloritized part, black, pyrite vrite 5%
		218.30 218.90	Layered fine tuff, gray.			
000	<i></i>					
220	11 11 11 11 11 11 11 11 11 11 11 11					
			Alternating bed of epidotized la	apilli tuff and coarse tuff. Qua	1	
			rtz-eyes (size: 5-10mm) are sp	oradically distributed.		
						-chalcopyrite (few) dissemi
	<u></u>				nated, 2–3cm wi	idth.
005						
225 -	<u>" " " "</u>	225.35	Fine tuff, light gray, laminated.			
	- <u>// // //</u> // // // //		i no an, igre gray, ianinated.		229.80-233.90m	: Weakly silicified, chalcopy
		226.75				partly distributed.
	-""""					<b>A A A A A A A A A A</b>
	······································		Dacitic coarse tuff, greenish da	ark gray, with quartz-eye.	233.90-234.00m:	: Chalcopyrite veinlets.
	<i>"</i> ` <i>"</i> ` <i>"</i> ` <i>"</i>	229.80				
230 -	<u>"</u> """"",	230.70	Quartz-eye until 230.70m.			Strongly chloritized part,
		230.70			pyrite dissemina	ted, pyrite 25%.
	12222		Rhyodacitic tuff?, light green, w	reakly silicified, no quartz-e	235 30-235 65-	: Weakly silicifiled, containi
			yo.			veinlets, (Cu 3.24%).
		233.90				
09E		234.50	234.0050m: Weakly silicified			: Chloritized part, containi veinlets, (Cu 1.06%). 236.1
235 -		235.30 235.65			m: <236P. 236.1r	
	hand	236.05 236.20	Coarse-fine tuff, greenish light	grav, banded		Chloritized part, black, lay
		237.30		G		te 20%, (Cu 0.66%)
			1		220.00- 25 03	ligitized month a sub-station of
		238.55	Dacitic lapilli tuff, greenish dark	gray, few pyrite disseminate	Icopyrite film.	licified part, containing cha
240 -		239.20	d		239.5575m: Ch	hloritized part, layered pyrit
L-TU *	- XXXXXX	240.45	239.7595m: Dacitic lapilli tuff	, pyrite disseminated.		u 0.51%). Chloritized part, layered p
	12223		Rhyodacitic tuff, banded.		yrite, pyrite 30%,	(GU 0.94%).
	$\overline{\mathbb{C}}$	241.80				This interval contains se
						parts (5cm thick), silicified, ted, very few chalcopyrite.
	1999	243.90	Disconde state los titos en en esta	k	pynos Gasoniniel	tos, tory tow oneroupyrite.
245 -	옷것		Rhyodacitic lapilli tuff, greenish	gray, banded.		
_ 10	XXXXX	245.65			045.05 0	
	10000	<246X				This interval contains se parts (1–5cm thick), mainly
	10000					opyrite, (Cu 1.02%).
		247.70	Rhyodacitic lapilli tuff, greenish	gray handed 240T Deved	249 80-250 20	Chloritized part, lavered p
	1993)	/040 <del>-</del>	acite lapilli tuff, weakly meta, cl		yrite, pyrite 10%.	
	1	<249T	1		1	

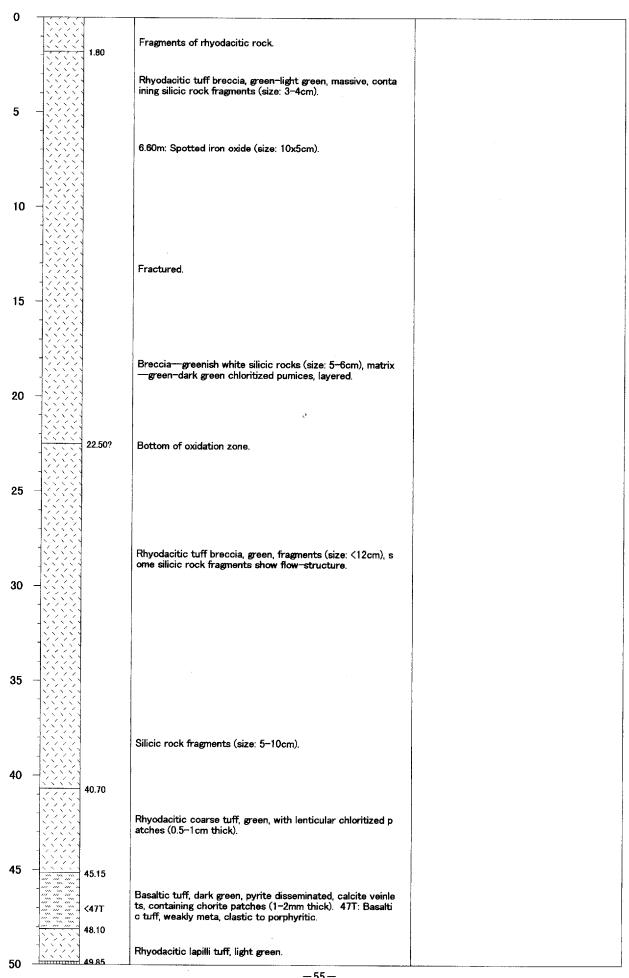
Drill Hole No.:	MJSU-5	Easting:	E 709.148	
Date Started:	September 28	Northing:	N 2,619.738	
Date Completed:	October 12	Elevation(mSL):	963	Drilled by DMMR/BRGM
Depth	Litholo	gy	Mineralization	n & Alteration

050				
250		250.20 250.35	Basic dike, not altered.	250.35-251.70m: This interval contains se
	A** A** A**	251.70	Dolerite dike.	veral chloritized parts (approx. 5cm), pyrite 5%, chalcopyrite few, (Cu 0.62%).
	1888	202.10	Rhyodacitic tuff.	
	-	253.80	Basic dike.	
255		253.90	Rhyodacitic lapilli tuff, dark green, containing 2–3mm thick	
200		255.45	pyrite layers.	255.45–256.30m: Chloritized, pyrite banded,
		256.30		chicopyrite veins cut the pyrite bands, (Cu 2.58%).
			Bedded rhyodacitic fine~coarse tuff, light gray .	2.50%).
	11 11 11 11	258.30	Andesitic lapilli tuff, silicified, plagioclase weakly epidotized,	
	7.7.7.	259.10 259.55	mafic minerals (size: 1–2mm) are chloritized. small quartz.	
260 -			259.1055m: Chloritized part, with quartz veinlets.	
			Rhyodacite dike? greenish light gray, hard, massive, plagioc	
		<264T	lase 1mm, epidotized. 264T: Rhyodacite, weakly meta, porp hyritic.	
265 -				
		267.80 268.35	Dacitic? coarse tuff, dark green, dip 55.	
	L L L L	268.90		
270 -			Lithology and mineralization at the interval between 268.9	
			0-275.40m are shown in the attached detailed lithologic lo	
			. g (scale 1:50).	
			en e	
275 -				
		275.40	Dacitic coarse tuff, greenish dark gray, containing flat chlo	
		276.35 277.15	rite patches, with quartz-eye.	276.35-277.15m: This interval contains 4 c
		277.80 278.15	Dacitic coarse tuff, greenish dark gray, with quartz-eye.	halcopyrite veins, each vein is 1-3cm wide, chloritized, (Cu 0.70%).
	······································	278.15		277.80-278.15m: Chloritized part containin g chalcopyrite, (Cu 1.06%).
280 -	""""""""""""""""""""""""""""""""""""""	280.00	Dacitic coarse tuff, containing chlorite patches, with quart z-eye.	
200		280.00 280.35		280.0035m: Siliceous part, containing jas per fragments, pyrite banded.
				por ragnone, pyres sanasa.
		ļ	Rhyodacitic lapilli tuff, light green, with chlorite patches. 2 83T: Rhyodacite lapilli tuff, weakly meta, clastic to porphyrit	
		<283T	ic.	
005				
285 -		285.25 285.50		285.2550m: Chloritized, with chalcopyrit
			Rhyodacitic coarse tuff, banded with chlorite layers, pyrite	e veinlets, (Cu 1.96%).
		287.40	disseminated, strongly chloritized. Coarse tuff, greenish gray, grading, fine dawnward.	
	<u>// // // // // // // // // // // // // </u>	287.95		
		289.20	Alternating beds of light green fine-grained clastic layers a nd chlorite layers.	
<b>29</b> 0 -				
			Rhyodacitic tuff, greenish gray-greenish dark gray, with ch	
			lorite thin layers.	
		294.20		
295 -	""""""""""""""""""""""""""""""""""""""			
			Dacitic tuff, greenish gray, containing chlorite thin layers,	
	<i>u`` u`` u`` o</i> u`` <i>u`` u`` o</i>		with quartz-eye sporadically.	
		298.20	Banded rhyodacitic coarse tuff.	
		298.95		298.95-299.90m: Weakly chloritized, with c
300 -		299.90		halcopyrite veinlets, few.
			-52	

Depth	Lithology		Mineralizatio	n & Alteration
Date Completed:	October 12	Elevation(mSL):	963	Drilled by DMMR/BRGM
Date Started:	September 28	Northing:	N 2,619.738	
Drill Hole No.:	MJSU-5	Easting:	E 709.148	

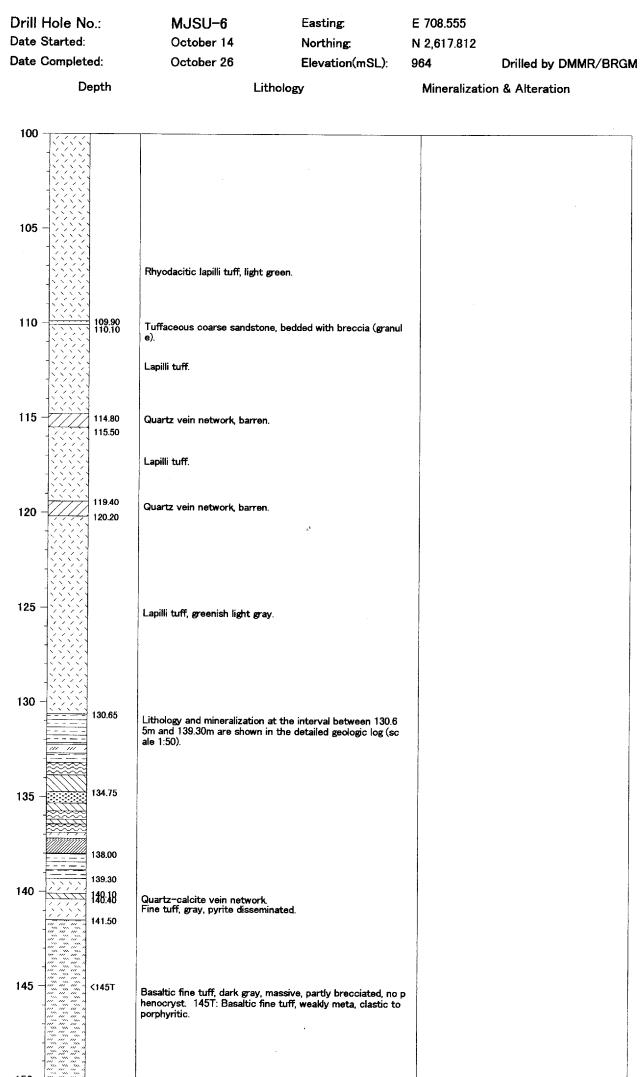


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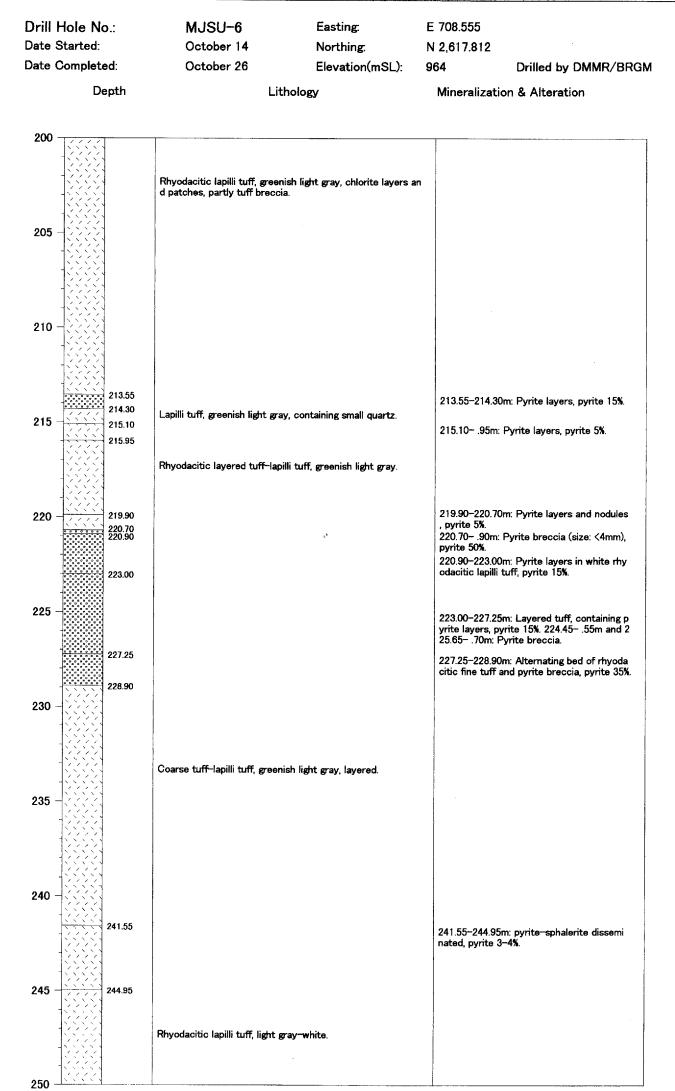
Drill Hole No.:	MJSU-6	Easting:	E 708.555	
Date Started:	October 14	Northing:	N 2,617.812	
Date Completed:	October 26	Elevation(mSL):	964	Drilled by DMMR/BRGM
Depth	Li	thology	Mineralizati	on & Alteration

50	-1111111111		49.85-50.55m: this interval contains reddish jasper fragme	
		50.55	nts (size: 0.5–3.0cm) in lapilli tuff.	
		52.65	Rhyodacitic lapilli tuff-coarse tuff, green. 52.65-58.65m: cl ayey, calcite veinlets.	
		]		
55				
•••		]		
	1222			
	1555	4		
		58.65		
			Basaltic fine tuff, greenish gray, calcite veinlets. 58T: Basa	
60		<59T	ltic fine tuff, weakly meta, clastic to porphyritic.	
		61.60		
			Layered tuff, greenish gray, containing chlorite thin layers.	
	12222			
		64.15		64.15–65.20m: This interval contains pyrite
65	-	65.20		layers (0.5cm thick) sporadically.
		66.15		
		66.90		66.15-66.90m: This interval contains pyrite layers (1-2mm thick) sporadically.
		00.50		layers (1-2mm thick) sporadically.
	15555			
70				
			Rhyodacitic coarse tuff, layered, white spotted.	
	12222			
		72.60 73.00	Basaltic fine tuff, dark green.	
		74.10	ν <sup>1</sup>	
76	A*A*A*A	74.10 ≤74T	Dolerite, greenish gray, massive, dip 70. 74T: Dolerite, wea	
75		75.00	kly meta, micro-ophitic.	
			Divergenitie levilli tufficences tuffi light mean containing a	
			Rhyodacitic lapilli tuff-coarse tuff, light green, containing c hlorite thin layers.	
80	->>>>			
		82.00		
			82.00-88.00m: this interval contains jasper fragments spor adically in light green layered tuff.	
		83.05		83.05~85.00m: This interval contains pyrite
				layers (1cm thick) sporadically.
85		85.00		
	1000			
	1222			
		88.00?		
	-555			
<b>9</b> 0 ·				
50			Layered tuff, light green, containing chlorite bands.	
	1222			
	1223			92.60m: 1–4cm thick pyrite layer.
	1555			
<b>6</b> -	1222			
95 ·				
		97.00		
	맛〉〉〉			
		98.70	Lapilli tuff, partly tuff breccia.	
	1222	50.70		98.70–99.90m: This interval contains pyrite
100	1	99.90		layers.
			— 56 —	



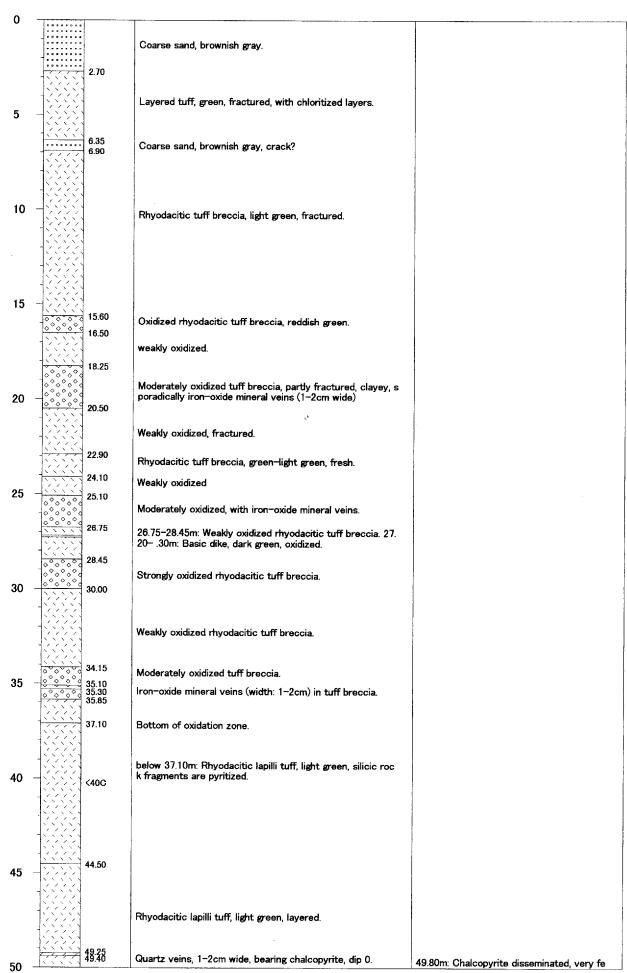
Drill Hole No.:	MJSU-6	Easting	E 708.555	
Date Started:	October 14	Northing:	N 2,617.812	
Date Completed:	October 26	Elevation(mSL):	964	Drilled by DMMR/BRGM
Depth	L	ithology	Mineralizatio	on & Alteration

150			
150	Ba	asaltic tuff, calcite veinlets.	
	2.75 Qu	uartz vein, barren	
1111	14	nyodacitic lapilli tuff, dark green, choloritized.	
	4.05 4.25 15	4.2560m: Pyrite-calcite-quartz veinlets, 154.6085	154.05– .25m: Chloritized lapilli tuff, black, c ontaining pyrite-chalcopyrite layers.
A*A*A*A	D/	Rhyodacitic tuff, containing pyrite veinlets. Serite dike, greenish light gray, weakly epidotized. Mafic	oncaining pyrice-chalcopyrice layers.
10:		inerals are chloritized.	
		yodacitic coarse tuff, light gray, partly lapilli tuff, white sp	
150	i9.60	ted.	
160 インシンン	Tu	uff breccia.	
	10.75 10.95 Sa	andy coarse tuff.	
	La	ayered tuff, light gray, partly lapilli tuff, white spotted.	
165 - ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
167	6.80 7.05 Fir	ne−coarse tuff, greenish gray.	166.80-167.05m: Tuffaceous coarse sands
167	57.70		tone, containing thin pyrite layers, pyrite 5 %.
		apilli tuff, greenish light gray, containing chlorite patches Id layers.	
	0.00		
	Tu	uff breccia, greenish light gray.	
171	1.70		
		avered tuff, greenish light gray, chlorite thin layers, white	
174		otted.	
175 - 2222 174	4.35		174.2035m: Chalcopyrite disseminated v ery few.
		ι.	
180			
	2.15		
	2.15		182.15– .90m: Pyrite-chalcopyrite layers in layered tuff.
185 -			
	La	pilli tuff-white spotted coarse tuff.	
	-		
190 - >>>>>			
	1.30 1.50 Ba	asic dike, light green.	
195 - >>>>>	Rh	nyodacitic lapilli tuff, greenish light gray.	
200	ł	- 58	



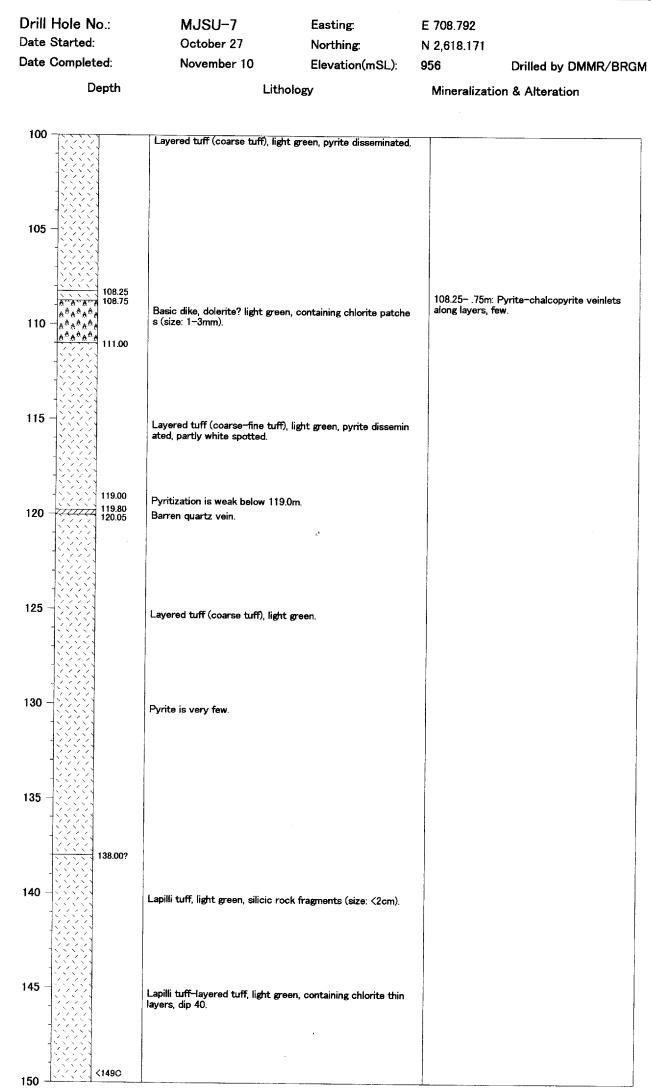
- 59 ---

Depth	Depth Litholog		Mineralizatio	n & Alteration
Date Completed:	November 10	Elevation(mSL):	956	Drilled by DMMR/BRGM
Date Started:	October 27	Northing:	N 2,618.171	
Drill Hole No.:	MJSU-7	Easting:	E 708.792	



Drill Hole No.:	MJSU-7	Easting:	E 708.792	
Date Started: Date Completed:	October 27 November 10	Northing: Elevation(mSL):	N 2,618.171 956	Drilled by DMMR/BRGM
Depth	Litholo	gy	Mineralizatio	n & Alteration

50			
55	<56C	Rhyodacitic lapilli tuff, light green. Silicic rock fragments ar e pyritized.	
60	60.00 <60P 60.20		60.0020m: Quartz vein, white, bearing ch
	62 85	Rhyodacitic lapilli tuff, light green, silicic rock fragments sp oradically.	alcopyrite, dip 0, (Cu 0.91%).
65	<63P 63.50 64.85	Lapilli tuff.	62.85-63.50m: This interval contains chalc opyrite bearing quartz veins, 1-2cm wide, ( Cu 2.05%). 63.50-64.85m: Pyrite-chalcopyrite dissemi nated sporadically.
		Lapilli tuff–coarse tuff, light gray, dip 40, pyrite disseminate d.	
70	70.15	Basaltic fine tuff, dark green, calcite veinlets. 72T: Basalti c fine tuff, weakly meta, clastic to porphyritic.	70.15–72.65m: Pyrite veinlets.
75	<72T 72.65 73.45 74.30 <74C	Rhyodacitic coarse tuff, light green, layered. dark green, partly black basaltic? fine tuff,	72.65–73.45m: Pyrite veinlets along layers. 73.45–74.30m: Pyrite-calcite veinlents alo ng layers.
75	76.55 <76P 76.70	Basaltic? fine tuff, dark green-black. Rhyodacitic coarse tuff, light green, layered.	74.30–76.55m: Pyrite veinlets, pyrite 20%. 76.55– .70m: Siliceous pyrite ore, containin g chalcopyrite-quartz veinlets, pyrite 35%.
80	78.05 80.00	Rhyodacitic coarse tuff, layered.	76.70–78.05m: Pyrite is disseminated, chal copyrite is disseminated sporadically, pyrite 10%. 80.00m: Quartz vein, 5cm wide, bearing sma
	<81C	Coarse tuff & layered lapilli tuff, light green, pyrite dissemin ated.	II amount of chalcopyrite.
85			
	87.30		87.30m: Chalcopyrite is disseminated.
90		Coarse tuff-lapilli tuff, layered, light green, pyrite dissemina ted, dip 45–60.	
95			
-			
100		62	



-63-

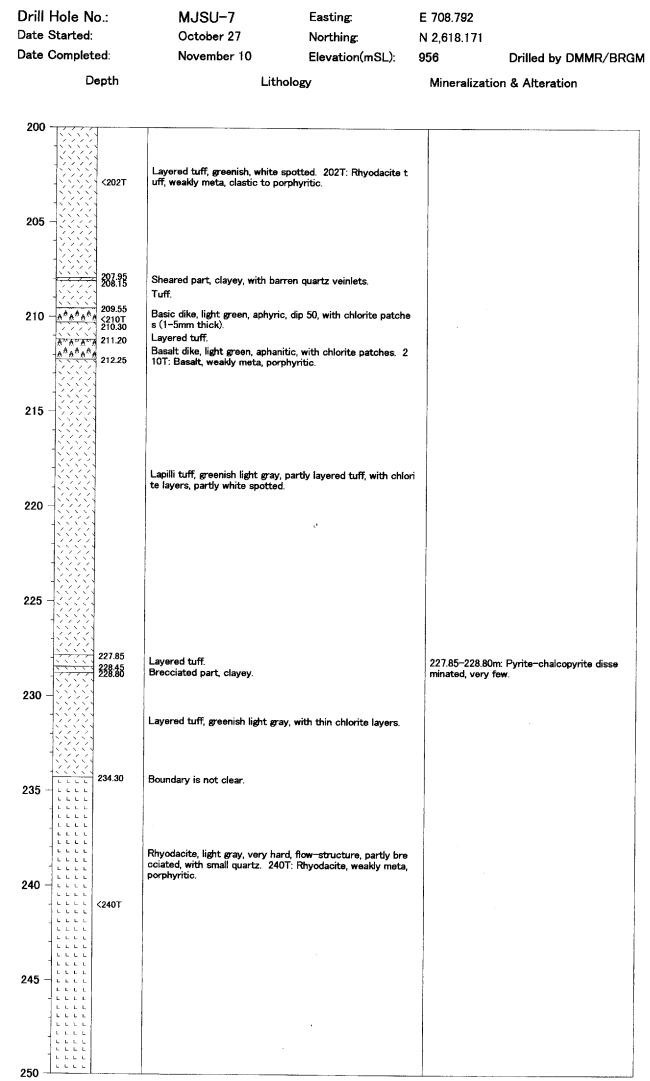
Drill Hole No.:	MJSU-7	Easting:	E 708.792	
Date Started:	October 27	Northing:	N 2,618.171	
Date Completed:	November 10	Elevation(mSL):	956	Drilled by DMMR/BRGM

Depth

Lithology

Mineralization & Alteration

150 -				1
			Lapilli tuff, white-light green.	
155 -				
	A*A*A*A	156.10	Basic dike, dolerite? light green, dip 70.	
	1.5.5.5	156.65		
			Rhyodacitic lapilli tuff, pyrite disseminated, pyrite 2–3%, part	
			ly hematite stains.	
160 -		159.80		
			Rhyodacitic layered tuff, with chlorite layers, white spotted	
105				
165 -				
	]////			
170 -		170.00		
170		110.00		
			Tuff breccia, white silicic rock fragments (size: <5cm), with small quartz.	
		173.85	173.85–179.0m: Lapilli tuff-layered tuff.	173.85–174.55m: Chalcopyrite disseminate
175 -		174.55		d, very few. 174.55-176.00m: Pyrite-chalcopyrite-sph
		176.00		alerite layers.
		177.90		177.90m: Chalcopyrite-pyrite-spharerite v
		179.00		einlets.
180 -				
			Lapilli tuff, light green, silicic rock fragments (size: <3cm), w	
			ith small quartz, partly layered, with chlorite layers, weakly pyrite disseminated.	
185 -	5555			
100				
190 -		190.30 190.40	Brecciated and silicified part, black, pyrite disseminated.	
			Lapilli tuff, layered, light green.	
		192.65	192.65–194.55m: Lapilli tuff, whitish.	192.65–193.55m: Chalcopyrite-sphalerite d
		193.55		isseminated, few.
195 -		194.55 195.00		193.55–194.55m: Chalcopyrite-sphalerite d isseminated, very few.
	<u> </u>	19510 195.70 195.95	195.0010m & 195.7095m: Basic dike, light green, with chlorite patches.	
	A^^^^	195.95 196.50	Basic dike, dolerite, green, with chlorite patches.	
	A*A*A*A	197.90 198.30		197.90-198.30m: Pyrite-chalcopyrite-sph
		198.30	averal tuff manich light way with small suggest	alerite veinlets, few.
200 -			Layered tuff, greenish light gray, with small quartz.	·
			-64-	



-65-

Drill Hole No.:	MJSU-8	Easting:	E707.196	
Date Started:	October 30	Northing:	N2,620.623	
Date Completed:	November 13	Elevation(mSL):	955	Drilled by DMMR/BRGM
Depth	Lit	nology	Mineralizatio	n & Alteration
0	Slime.			
	Sume.			t
	Porphyritic rock, light green,	plagioclases are dominant (siz		
	e: 2-8mm), fresh mafic miner epidotized and chloritized.	als are not confirmed, weakly		
5 (*****				
<u>******</u> 8.00				
10 - A* A* A* A 9.70	Non-core, crack			
<u>≜</u> ≜≜≜≜≜ 101	8.00-13.30m: Basalt dike, gr	eenish light gray, aphyric, wea ed, calcite veinlets. 10T: Basa		
A*A*A*A	t, weakly meta, porphyritic.	ad, calcite verniets. 101. Dasa		
15 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	14.20-15.30m; Basic dike, 14	.20–15.00m: Sheared & oxidiz		
28 28 28 15.30	ed part, 15.00-15.30m: Silicif	ied part.		
16C	Porphyritic rock			
]& <u>``</u> & <u>``</u> &]	i dipinjilao rook			
	18.25-18.50m: plagioclase sm	nall (size: 1–2mm).		
20 - ***				
		L. <sup>9</sup>		
	Porphyritic rock, green-light	green fresh mafic mineral fe		
	w, plagioclase dominant (size orphyritic basalt, weakly met	: <0.7 cm), chloritized. 20T: P		
	o.p.ijinio Buoure, nodrzy mod	a, porprigrido.		
25				
30 - 30 - 30 - 30 - 30 - 30 - 30 - 30 -				
30.30 30.70 31.25	30.3070m: Strongly silicifie dacite?, with quartz veinlets	(1-3cm wide).		
	30.70-31.25m: Oxidized and t	precciated part.		
A* A* A 33.30 A* A* A 33.70	Basic dike, no mineralization.			
35				
	Silicified rock, white-light gra	y, brecciated, pyrite veinlets, tuff? hightly silicifiled, clastic t		
	o porphyritic.	<u> </u>		
<38С <39Т				
40 -				
41X 42.45				
			42.45-45.65m: F poradically, pyrit	Pyrite veins (2–4cm wide) s te 10%.
45				
45 45.65				
	Rhyodacitic lapilli tuff?, dark ilicic rcok fragments (size: 0.5	green, chloritized, containing s i-1.0cm).		
50 50				

Drill Hole No.: Date Started:	MJSU-8 October 30	Easting: Northing:	E707.196 N2,620.623	
Date Completed:	November 13	Elevation(mSL):	955	Drilled by DMMR/BRGM
Depth	Litholo	gy	Mineralizatio	n & Alteration

50				
20			Rhyodacitic lapilli tuff-coarse tuff, gray, chloritized, white s potted, with chlorite layers.	
55		54.00 54.15	Basic dike, light green, dip 70.	
		<57T <58C	54.15–60.45m: Rhyodacitic coarse tuff, gray, carbonatized, chloritized, white spotted. 57T: Rhyodacitic coarse tuff, w eakly meta, clastic to porphyritic.	
60		60.45 61.00	Coarse tuff, light gray, carbonatized.	
65			Rhyodacitic coarse tuff, dark gray, chloritized, carbonatize d, pyrite disseminated.	
			69.55-70.65m: Tuffaceous breccia bed, consisting of silici c rock fragments (size: <1cm), pyritized rock fragments (si ze: <3cm), and light green pumices, reverse grading 70.65-70.90m: Chloritized & carbonatized part, black, calci	
70		69.55	te crystals (size: <1cm).	
70		70.65 70.90	70.90-71.95m: Tuffaceous breccia bed, consisting of pyriti zed rock fragments and silicic rock fragments (size: <1cm).	
		71.95 72.60 73.25 <73P 73.55	71.95−72.60m: Chloritized & carbonatized part, black, calci te crystal <1cm. 72.60−73.25m: Coarse tuff, dark gray, with cloritized layers, weakly pyritized.	73.25–73.55m: Mineralized part, copper ore block (4 by 4cm, 73.27m), zinc ore block (7
75		<74X	Clayey fine tuff, light gray, banded with pyrite thin layers, py rite 20%.	by 7cm, 73.30–.55m), (Cu 0.90%, Zn 12.74%)
80		77.20 77.40 79.20		77.20– ,40m: Fine-grained pyrite, muddy, py rite 55%.
		82.65 <8335 83.35	Shale, dark gray, soft, banded with pyrite layers (<2cm thic k), pyrite 20%.	82.65-83.35m: Massive sulfide mainly consi sting of fine-grained pyrite, pyrite 45%, (Cu 1.57%), with gray siliceous layer at the dept h of 82.5060m. 83.35-85.10m: Silicified tuff, pyrite dissemin ated, pyrite 15%, chalcopyrite few.
85	24 24 24 24 24 24 24 24 24 24 24 24 24 2	85.10 85.85	Tuffaceous volcanic breccia, consisting of silicic rock frag ments (size :2–5mm) and pyrite disseminated rocks.	85.10– .85m: Pyrite breccia, dark gray, mud dy, pyrite 25%, consisting of pyrite and mud stone (<5mm).
90 ·		90.75 <91⊤ 91.95	90.75-91.95m: Volcanic breccia, silicic rock fragments (siz e: 0.2-2cm), matrix: pyrite, pyrite 20%, bad sorting. 91T: Vo Icanic breccia, weakly meta, clastic.	
			Volcanic breccia, dark gray, silicic rock fragments and pyriti zed volcanic rocks (size: 0.2–0.5cm), tuffaceous, containin g dark green pumices (size: 0.2–0.5mm).	
95 -		96.95 97.90	Volcanic breccia, dark gray, size: 1.0-2.0 cm, pumiceous, c onsisting of silicic rock fragments, pyritized and chloritized pumices, and pyritized volcanic rock fragments, matrix: pyri te, pyrite 10%. 96.95-97.90m: Dolerite? gray basic dike. 97.90-99.80m: Tuffaceous breccia, dark gray, size of brec	
100		<98T 99.80	cia: <1cm, pumiceous, silicic rock fragments, matrix pyrite, pyrite 15%. 98T: Volcanic breccia, weakly meta, clastic.	
100 ·			-68-	

	Hole No Started:	o.:	MJSU-8	Easting:	E707.196	
	Started: Complete	ed:	October 30 November 13	Northing: Elevation(mSL):	N2,620.623 955	Drilled by DMMR/BRGM
	•	epth		hology		n & Alteration
100 -		101.10 101.80	ht green and clayey, matrix: 101.1080m: Basic dike, do	lapilli tuff, dark gray, pumice: pyrite, pyrite 15%, lerite? dark green f, dark gray, matrix: 10%, laye	-	
105 -		184:95	104.65- 104.95m: Alternation nd pumice tuff, dip 70.	n of dark gray fine tuff (soft)	а	
		107.40 107.55 107.85	104.95- 107.40m: Pumice tu e layers, pyritized, pyrite 209 107.4055m: Shale, dark gr 107.7585m: Shale	%.	ic	
110 -			107.85-111.00m: Pumice tuf e (size: 0.2-0.4cm), pyritized	f, dark gray, light green pumi , pyrite 20%,	c	
		113.00 114.05	111.0040m: Strongly silicif e veinlets, pyrite 10%. 111.40-113.00m: Pumiceous iated, silicified, pyrite veinlet 113.00-114.05m: Breccia be	breccia bed, dark gray, brec s, pyrite 10%	c	
115 -	>>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     >>     <		ts, pyrite 15%.			
120 -			114.05-124.45m: Pumiceous licic rock fragments (size: 0. size: 0.2-0.4cm), pyrite veink	5-1.0cm), light green pumice	si (	
125 -		<124C 124.45 125.80	124.45–125.80m: Silicified pa nlets, pyrite 5%. 125.80–128.05m: Pumiceous s: 0.2–0.7cm, chloritized pum	breccia bed, size of fragmen		
		128.05 129.55	128.05–129.55m: Clayey fine rite thin layers.	tuff, dark gray, bedded with		
130 -	A         D         D         A         D         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A	132.15 133.00 133.55	129.55–132.15m: Very strong breccia bed and fine tuff?, si 132.15–133.00m: Pumiceous s: 0.3–2.0cm, size of pumice: e 20%. 133.00–133.55m: Very strong 133.55–134.30m: Silicified tuf bands (2.0–3.0 cm thick), pyr	ze of fragments: 0.2–1.0cm. breccia bed, size of fragment <3.0cm, matrix: pyritized, pyr dy silicified part, ocher. ff, dark gray, containing pyrite ite 10%.	t rit	
1 <b>35</b> –		134.30 134.75	134.30–134.75m: Very stron 134.75–137.70m: Pumiceous ize of fragments: 0.2–1.0cm, j	breccia bed, partly fine tuff,	s	
140		137.70 138.85 139.35	137.70–138.85m: Breccia bec size of fragments: 2.0–4.0cm, e 10%. 138.85–139.35m: Brecciated 139.35–143.40m: Pumiceous f fragments: 0.2–1.5cm, pyrite	silicified, pyrite veinlets, pyri fine tuff, dark gray, pyrite fev breccia bed, dark gray, size o	it v	
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	<141X <143C				
145 - -		143.40 144.35	143.40–144.35m: Fine-coarse minated. 144.35–150.00m: Pumiceous orting, size of fragment 1.0–4 0%.	breccia bed, dark gray, bad s		
- 150 -				-69-		

-69-

Drill Hole No.:	MJSU-8	Easting:	E707.196	
Date Started:	October 30	Northing:	N2,620.623	
Date Completed:	November 13	Elevation(mSL):	955	Drilled by DMMR/BRGM
Depth	Litholo	gy	Mineralization	a & Alteration

150 -	AVPA VPA	150.00-154.20m: Pumiceous breccia bed, partly fine tuff, s	
		ilicic rock fragments (size: 0.2–0.8cm), pyrite veinlets, pyrit	
		e 10%.	
		154.20–155.45m: Pumiceous fine tuff, dark gray, soft.	
155 -			
		155.45-158.75m: Purniceous breccia bed, size of fragment s: 0.2-2.0cm, pyrite veinlets, pyrite 10%.	
		158.75–159.95m: Alternation of breccia and fine tuff, dark	
		gray, very strongly silicified.	
160 -			
		159.95–168.65m: Pumiceous breccia bed, dark gray, partly	
		siliceous fine tuff, size of fragments: 0.2-2.0cm, pyrite vein	
		lets and disseminared, pyrite 10%.	
165 -			
105			
	168.65	168.65–169.20m: Siliceous coarse tuff, black, hard, contai	
170 -		ning quartz fragments (size: 0.1cm).	
		169.20-172.50?m: Tuffaceous breccia bed, size of fragme	
		nts: 0.2-0.6 cm, pyrite veinlets, pyrite 10%.	
		172.50?–175.90?m: Pumiceous lapilli tuff, light green pumi	
		ce (size 0.2-0.5 cm), size of fragments: <4.0cm, pyrite vein	
		lets, pyrite 5%.	
175 -	1222		
	AVPAVPA	175.90?-182.60m: Pumiceous breccia bed, dark gray, partl	
	00000000 0000000	y fine tuff, size of fragments: 0.2–1.0cm, brecciated and sili cified, bad sorting, pyrite veinlets, pyrite 5%.	
	0000000 000000		
180 -			
100			
		182.60-183.50m: Silicified rock, white to light green, chlori	
	<183T	te dotted. 183T: Sandstone? weakly meta, clastic.	
	183.50	183.50-186.05m: Pumiceous lapilli tuff? dark gray, size of f ragments: 0.5-1.0cm, max. 4cm, pyritized, pyrite 10%.	
185 -			
	186.05		
		186.05-199.00m: Porphyritic andesite, light green, plagiocl ase dominant (1-6mm), chloritized pyroxene?, epidotized, p	
		yrite weakly disseminated. 192T: Porphyritic andesite, wea kly meta, porphyritic	
190 -			
	^		
	^ <193C		
195 -			
200 -	10.V0.V0	-70-	

Prill Hole ate Starte		MJSU-8 October 30	Easting: Northing:	E707.196 N2,620.623	
ate Comp	leted:	November 13	Elevation(mSL):	955	Drilled by DMMR/BRGM
	Depth	Litl	hology	Mineralizatio	n & Alteration
40000000000000000000000000000000000000					
	VPA VPA VPA VPA 206C	<ul> <li>light green pumice (size: 0.2</li> </ul>	breccia bed, dark gray, green 2-5.0cm), size of fragments: 0. te 5%. 207T: Pumiceous volc astic.		
	₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩				
	211.15 211.55	211.1555m: Coarse tuff, da patches (size: 0.2-0.5cm).	ark gray, silicified, with chlorite	•	
215 - A					
220		211.55-228.45m: Andesite, lig	ght green, intrusive, white pat		
^ ^		ches (size: 1–2mm, plagioclas meta, porphyritic.	e?). 226T: Andesite, weakly		
	^ <226T ∧ → 228.45				
30 - 47 - 44		228.45-231.45m: Breccia bed	, partly oxidized.		
	vr vr vr vr vr vr vr vr vr vr vr vr vr v				
	⊽ੋਟੋ <233T ⊽ੋਟੋ 233.85	231.45-233.85m: Oxidized bre 0.2-1.0 cm. 233T: Volcanic b	eccia bed, size of fragments: reccia, weakly meta, clastic.		
		233.85-236.70m: Breccia bed ents: 0.2-1.0 cm, pyrite veinle	, partly oxidized, size of fragm sts, pyrite 5%.		
	♥ Å Ă \$2360 ♥ Å Å \$236.70 ♥ Å Å Å				
	⊽⊭य ⊽⊭य ⊽⊭य ₽≞४				
	2010 10 10 10 10 10 10 10 10 10 10 10 10	236.70–245.50m: Volcanic bre o light gray, plagioclase (size: 244T: Volcanic breccia, weakl	2-4 mm), strongly epidotized.		
45 - 47 243	v v v v v v v v v v v v v v v v v v v				
<u>A<sup>n</sup> A<sup>n</sup> A</u> 	245.50 246.00	245.50-246.00m: Basic dike,	gray, aphyric.		
0 " A " 0 	y `` A y `` A y `` A y `` A	246.00-250.00m: Dacitic coars	se tuff?		
250 - <u>laiaia</u>	250.00				

Appendix 1-28 Borehole Deviations of MJSU-1 to MJSU-8

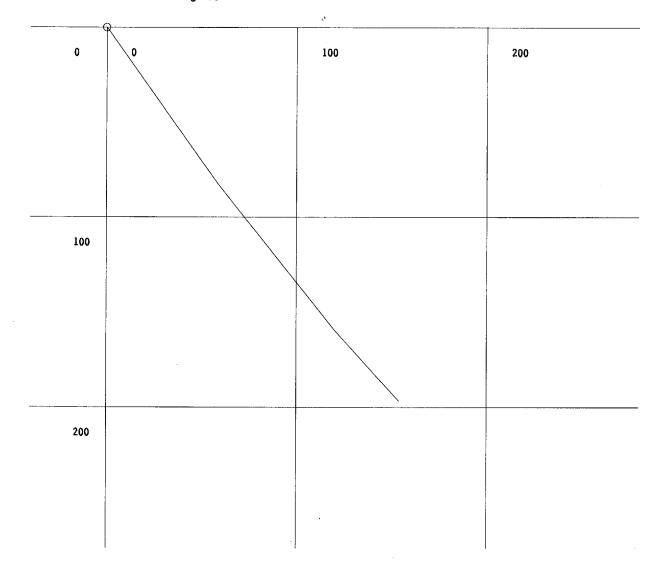
e.

,

## PLAN at 1/2000 grid 100m interval

	155°		
-100	0	100	200
			245°
0			
v			

SECTION Looking 155°

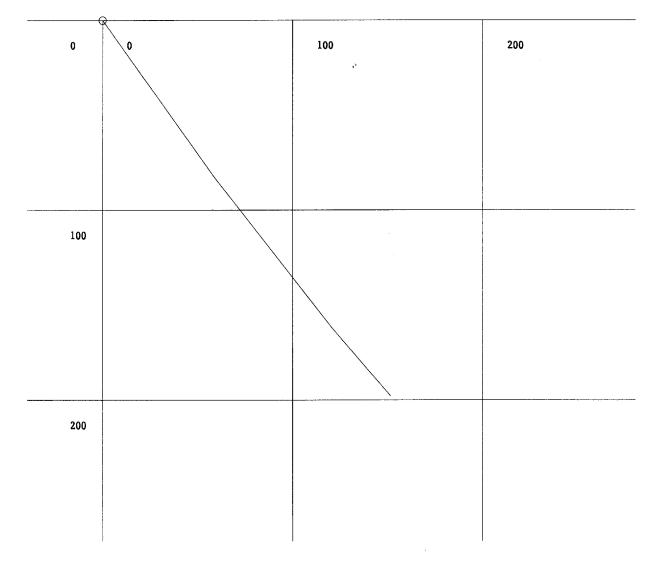


## MJSU-2

-100	155° 0	100	200
	•		245°
0			

100

SECTION Looking 155°

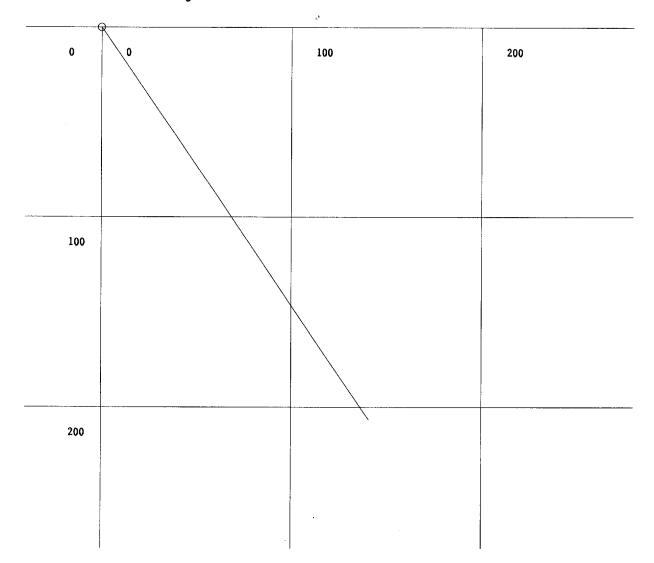


## PLAN at 1/2000 grid 100m interval

MJSU-3

	135°			
-100	0	100	200	
				225°
	•			
0				

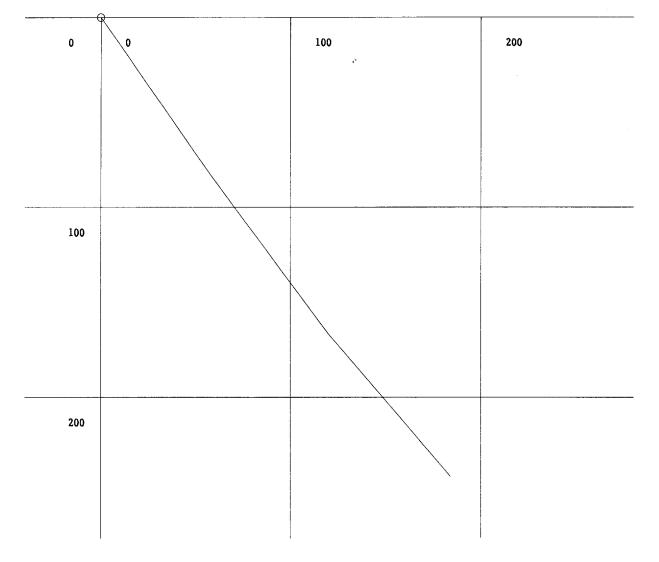




MJSU-4

-100	260° 0	100	200
			-
			170°
0	- 0	· · · · · · · · · · · · · · · · · · ·	
		l	L

SECTION Looking 170°

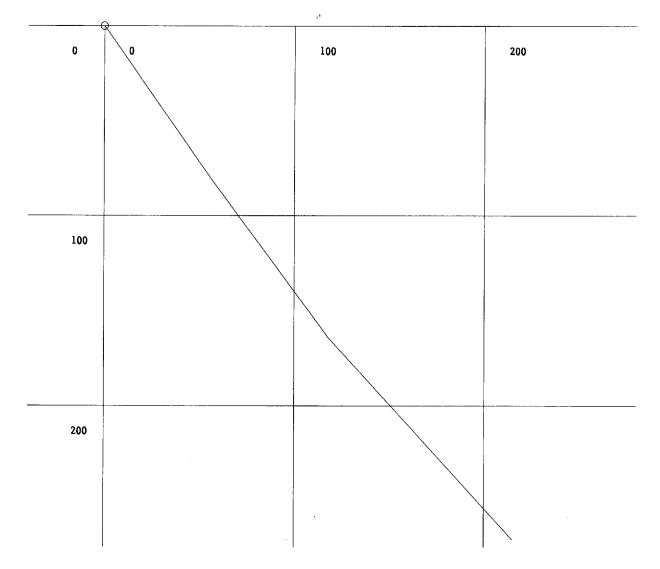


## PLAN at 1/2000 grid 100m interval

MJSU-5

-100	170° 0	100	200
			260°
0			

SECTION Looking 170°

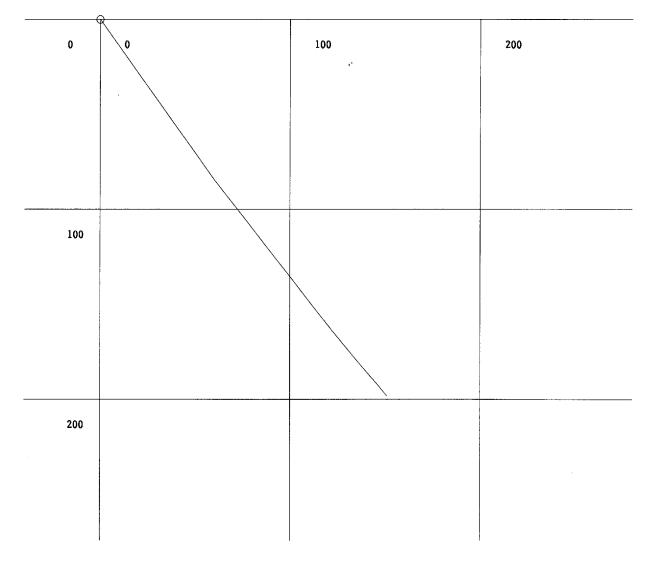


MJSU-6

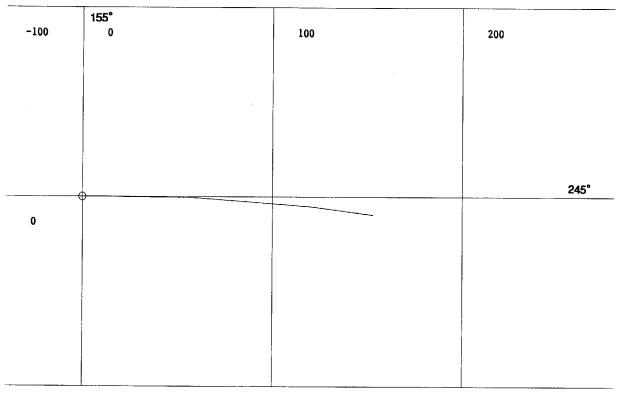
	155°		
-100	0	100	200
			245°
0			

100

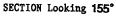
SECTION Looking 155°

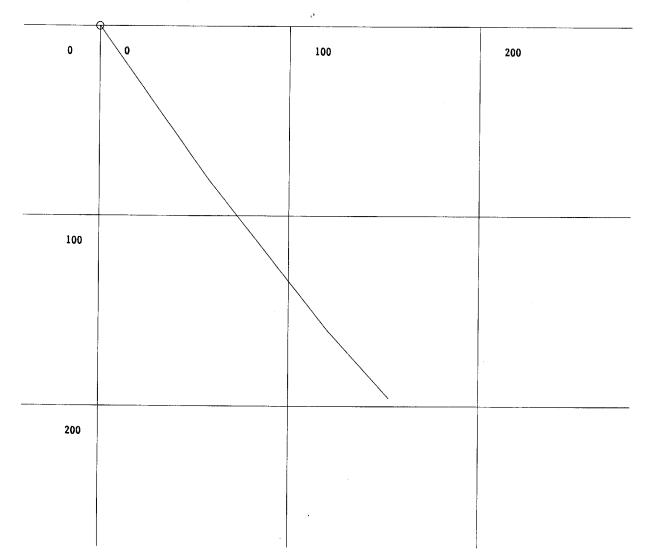


MJSU-7

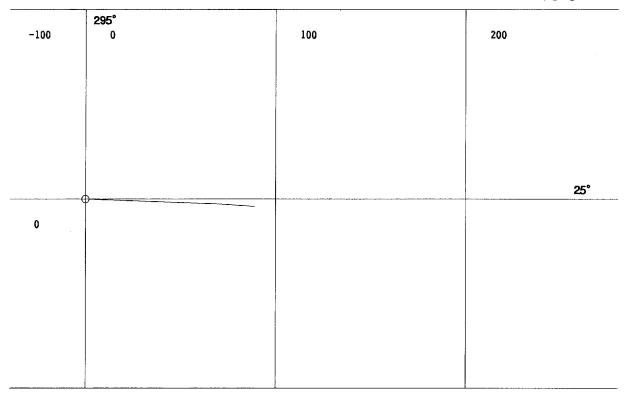


100



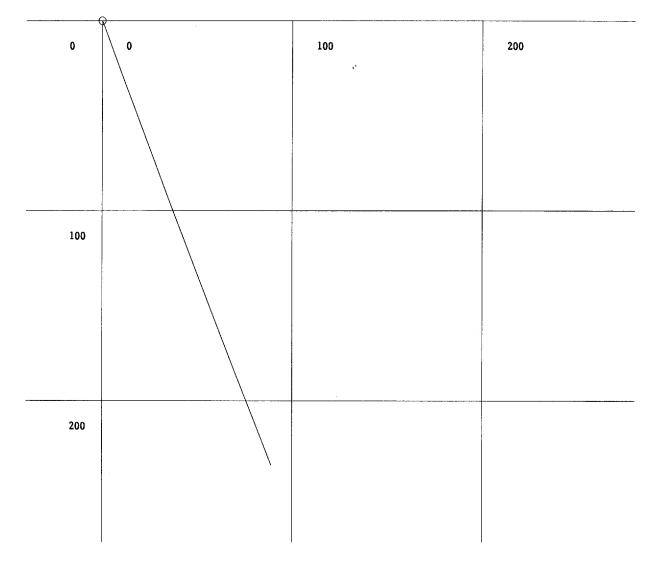


MJSU-8



100

SECTION Looking 295°



Drill Hole No.	Depth	Direction	Inclination
	0.0	245.0	-55.0
	102.0	245.5	-54.0
MJSU-1	200.0	242.0	-49.0
	250.0	247.0	-46.0
	0.0	245.0	-55.0
	102.0	245.0	-54.0
MJSU-2	202.0	247.0	-50.0
	249.5	249.0	-49.0
	0.0	225.0	-55.0
	105.0	224.0	-56.0
MJSU-3	200.0	226.0	-56.0
	250.0	226.0	-55.0
	0.0	260.0	-55.0
MJSU-4	102.0	262.0	-55.0
191350-4	205.0	259.0	-52.0
	304.0	258.5	-47.0
	0.0	260.0	- 55.0
MJSU-5	102.0	264.0	-55.0
1000-0	202.0	260.0	-52.0
	346.0	258.0	-43.0
	0.0	245.0	-55.0
MJSU-6	104.0	245.0	-54.0
1000-0	205.0	245.0	-50.0
	249.5	245.0	-50.0
	0.0	245.0	-55.0
MJSU-7	100.0	246.0	-54.0
11030-7	200.0	252.0	-49.0
	249.0	253.0	-46.0
	0.0	25.0	- 70.0
MJSU-8	105.0	29.0	-69.0
11000-0	200.0	29.0	-69.0
	250.0	29.0	-68.0

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Borehole Deviations

Drill Hole No.	Sample No.		pth n)	Width (m)	Au (g/t)	Ag (g∕t)	Си (%)	Zn (%)	Pb (%)	S (%)
MJSU-1	1	6.30	7.95	1.65	<0.05	0.6	0.00	0.00	0.00	0.14
	2	13.50	14.55	1.05	<0.05	0.6	0.00	0.00	0.00	< 0.05
	3	14.55	15.00	0.45	<0.05	0.7	0.00	0.01	0.00	<0.05
	4	15.00	15.75	0.75	<0.05	0.6	0.00	0.00	0.00	< 0.05
	5	15.75	17.40	1.65	<0.05	0.7	0.01	0.01	0.00	< 0.05
	6	17.40	18.65	1.25	<0.05	0.6	0.00	0.01	0.00	< 0.05
	7	23.05	24.20	1.15	<0.05	0.5	0.00	0.01	0.00	0.32
	8	24.20	25.75	1.55	<0.05	0.6	0.00	0.01	0.00	1.05
	9	25,75	26.65	0.90	<0.05	0.5	0.00	0.01	0.00	0.43
	10	26.65	27.30	0.65	<0.05	0.6	0.01	0.01	0.00	1.45
	11	31.00	32.75	1.75	<0.05	0.6	0.00	0.00	0.00	1.95
	12	32.75	33.75	1.00	<0.05	0.6	0.00	0.01	0.00	1.40
	13	46.90	47.90	1.00	<0.05	1.0	0.01	0.01	0.00	<0.05
	14	47.90	48.90	1.00	<0.05	1.2	0.04	0.01	0.00	1.50
	15	48.90	49.90	1.00	<0.05	1.1	0.01	0.01	0.00	0.26
	16	55.85	56.85	1.00	<0.05	0.7	0.00	0.01	0.00	0.40
	17	91.05	92.20	1.15	<0.05	2.7	0.01	0.51	0.01	10.50
	18	96.35	96.50	0.15	<0.05	13.2	2.19	0.01	0.01	5.92
	19	96.50	97,50	1.00	<0.05	0.9	0.02	0.01	0.00	3.10
	20	97.50	98.50	1.00	<0.05	1.3	0.01	0.01	0.00	5.20
	21	98.50	99.50	1.00	<0.05	1.5	0.02	0.01	0.00	3.80
	22	99.50	100.50	1.00	<0.05	1.1	0.03	0.01	0.00	1.26
	23	100.50	101.50	1.00	<0.05	1.1	0.06	0.01	0.00	3.10
	24	101.50	102.50	1.00	<0.05	1.0	0.02	0.00	0.00	4.30
	25	102.50	103.50	1.00	<0.05	0.7	0.03	0.00	0.00	2.80
	26	103.50	104.20	0.70	<0.05	1.0	0.11	0.00	0.00	7.05
	27	120.85	121.50	0.65	<0.05	2.5	0.04	0.01	0.01	1.51
	28	122.50	123.00	0.50	<0.05	9.4	0.47	0.17	0.05	2.00
	29	123.00	123.10	0.10	<0.05	5.8	0.70	0.76	0.06	1.94
	30	150.70	151.60	0.90	<0.05	2.1	0.02	0.01	0.01	1.43
	31	151.60	152.30	0.70	<0.05	1.0	0.00	0.01	0.00	1.57
	32	152.70	153.40	0.70	<0.05	3.4	0.02	0.02	0.01	2.80
	33	153.40	154.10	0.70	0.05	8.3	0.09	0.26	0.11	4.42
	34	154.10	155.30	1.20	<0.05	0.7	0.00	0.01	0.00	3.15
	35	208.90	209.05	0.15	<0.05	4.1	0.37	0.16	0.01	1.30
ļ	36	212.75	212.85	0.10	0.33	213.0	0.90	2.98	1.09	7.70
	37	215.45	215.60	0.15	0.48	150.0	0.95	1.91	0.48	4.66
MJSU-2	1	41,45	41.85	0.40	<0.05	<0.5	0.01	0.04	0.00	0.48
	2	41.85	43.35	1.50	<0.05	<0.5	0.08	0.03	0.00	1.72
	3	43.35	43.60	0.25	0.05	1.3	0.36	0.04	0.00	1.00
	4	64.20	64.40	0.20	<0.05	4.6	0.16	0.06	0.00	0,95
ļ	5	106.25	107.25	1.00	<0.05	3.0	0.00	0.02	0.00	10.67
ļ	6	107.25	108.25	1.00	<0.05	1.3	0.01	0.04	0.00	5.70
	7	108.25	109.05	0.80	<0.05	1.0	0.00	0.02	0.00	4.04
	8	121.15	121.60	0.45	0.12	14.9	1.70	0.18	0.02	18.05
	9	121.60	122.30	0.70	0.14	18.6	0.17	0.03	0.01	1.32
	10	122.30	122.90	0.60	0.28	10.7	2.71	0.08	0.00	11.04
	11	122.90	123.90	1.00	0.12	7.0	0.07	0.02	0.00	3.95
	12	123.90	124,25	0.35	0.06	3.4	0.09	0.08	0.01	1.75
	13	124.25	124.75	0.50	0.65	55.4	1.66	9.81	0.45	14.00
	14	124.75	125.10	0.35	1.00	63.1	1.03	5.90	1.30	7.96
	15	125.10	125.40	0.30	1.40	44.9	0.99	6.81	0.68	10.34
Γ	16	125.40	126.20	0.80	0.10	3.9	0.03	1.21	0.16	3.34
	17	126.20	127.15	0.95	<0.05	2.3	0.01	0.04	0.00	2.15
Γ	18	127.15	128.10	0.95	<0.05	1.9	0.01	0.02	0.00	1.08
Γ	19	128.10	128.20	0.10	0.30	12.6	0.96	0.19	0.00	23.30

Appendix 1-29 Results of Ore Assay (Core Samples)

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### Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole	Sample	Dep	oth	Width		Ag	Cu	Zn	Pb	S
No.	No.	(m	<u>ı)                                     </u>	(m)	(g/t)	(g/t)	(%)	(%)	(%)	(%)
MJSU-2	20	128,20	129.05	0.85	<0.05	0.8	0.00	0.03	0.00	0.65
	21	129.05	130.10	1.05	<0.05	0.5	0.01	0.04	0.00	0.20
	22	130.10	130.40	0.30	0.56	13.3	0.89	3.65	0.02	11.75
	23	130.40	130.50	0.10	0.74	1.5	0.23	0.03	0.00	2.00
	24	130.50	131.15	0.65	0.67	28.8	0.68	9.55	0.03	21.70
	25	131.15	132,10	0.95	0.13	37.6	1.46	24.68	0.09	28.50
	26	132.10	133.10	1.00	0.21	21.7	1.78	4.41	0.57	6.40
	27	133.10	133.90	0.80	0.21	9.7	1.23	3.95	0.01	7.10
	28	133.90	134.15	0.25	< 0.05	7.6	0.48	1.97	0.02	23.00
	29	134.15	134.90	0.75	0.18	9.9	0.29	4.13	0.62	3.25
	30	134.90	136.20	1.30	<0.05	12.5	0.67	0.81	0.00	26.55
	31	136.20	137.20	1.00	< 0.05	2.8	0.20	0.10 0.24	0.00	<u>1.20</u> 23.60
	32	137.20	137.40	0.20	0.70	51.6	4.79		0.01	1.20
	33	137.40	138.00	0.60	<0.05 0.14	2.8 12.9	0.20 0.50	0.09 0.22	0.00 0.00	11.25
	34 35	138.00 138.90	138.90 139.10	0.90	0.14	8.0	0.30	0.22	0.00	4.65
	36	139.10	140.30	1.20	0.08	11.1	1.17	0.12	0.00	5.50
	37	140.30	141.15	0.85	0.35	6.1	0.32	0.55	0.00	13.83
	38	141.15	141.55	0.40	5.83	15.8	4.58	0.08	0.00	33.83
	39	141.55	142.25	0.70	<0.05	4.5	1.05	0.00	0.00	18.70
	40	221.85	222.00	0.15	<0.05	9.0	0.03	0.71	0.00	3.90
	41	224.05	224.15	0.10	<0.05	1.5	0.10	0.51	0.00	0.85
	42	229.05	229.20	0.15	<0.05	5.3	0.02	0.46	0.00	2.50
MJSU-3	1	50.00	51.90	1.90	<0.05	1.6	0.00	0.01	0.00	1.30
	2	51.90	53.30	1.40	<0.05	1.0	0.01	0.02	0.00	1.53
	3	55.90	56,15	0.25	<0.05	1.7	0.07	0.05	0.00	5.75
	4	56.15	57.10	0.95	0.06	1.4	0.02	0.02	0.00	2.50
	5	57.10	59.05	1.95	<0.05	0.8	0.01	0.01	0.00	2.65
	6	59.05	59.90	0.85	<0.05	1.2	0.01	0.01	0.00	1.40
	7	68.85	71.85	3.00	<0.05	1.3	0.02	0.01	0.00	2.55
	8	71.85	72.60	0.75	<0.05	<sup>-</sup> 1.3	0.02	0.01	0.00	1.70
	9	81.55	83,55	2.00	<0.05	0.9	0.02	0.02	0.00	2.20
	10	83.55	85.60	2.05	<0.05	1.1	0.04	0.02	0.00	2.60
	11	95.65	97.75	2.10	<0.05	1.3	0.19	0.09	0.00	7.00
	12	104.60	106.20	1.60	0.09	0.8	0.01	0.01	0.00	2.00
	13	106.20	107.80	1.60	0.07	1.0	0.01	0.02	0.00	1.70
	14	107.80	110.00	2.20	<0.05	1.0	0.02	0.01	0.00	1.80
	15	114.80	116.25	1.45	<0.05	1.1	0.01	0.01	0.00	2.10
	16	116.25	117.70	1.45	<0.05	1.1	0.00	0.01	0.00	0.35
	17	117.70	119.20	1.50	<0.05	1.0	0.02	0.00	0.00	1.50
	18	119.20	120.75	1.55	<0.05	0.6	0.03	0.00	0.00	1.25
	19	153.15	154.50	1.35	<0.05	0.5	0.01	0.01	0.00	2,10
	20	154.50	157.40	2.90	<0.05	0.6	0.01	0.01	0.00	9.50
	21	157.40	159.00	1.60	<0.05	2.8	0.37	0.02	0.00	2.80
	22	159.00	160.55	1.55	<0.05	2.3	0.19	0.01	0.00	0.60
	23	160.55	162.85	2.30	<0.05	0.9	0.09	0.01	0.00	1.30
	24	162.85 164.45	164.45	1.60	<0.05	<u>1.1</u> 1.5	0.01 0.09	0.01 0.01	0.00 0.00	0.90 1.70
	25 26		164.75 178.50	0.30 0.90	<0.05 <0.05	1.5	0.09	0.01	0.00	1.50
	20	177.60 188.20	188.75	0.90	<0.05	3.9	1.57	0.02	0.00	8.45
		188.20	189.45	0.55	<0.05	<u>3.9</u> 0.9	0.02	0.02	0.00	0.40
	28 29	189.45	192.15	2.70	<0.05	1.1	0.02	0.01	0.00	1.20
	30	204.25	206.70	2.70	<0.05	1.8	0.03	0.01	0.00	<0.05
	31	204.25	208.60	1.90	<0.05	1.0	0.23	0.01	0.00	<0.05
	32	208.60	210.60	2.00	<0.05	0.9	0.03	0.01	0.00	<0.05
			E10.00			V.7	0.00	0.01	0.001	VU.U3

Appendix 1-29	Results of Ore Assay (Core Samples)	

Drill Hole	Sample	De	pth	Width	Au	Ag	Cu	Zn	Pb	s
No.	No.		n)	(m)	(g/t)	(g/t)	(%)	(%)	(%)	(%)
MJSU-3	34	212.45	214.70	2.25	<0.05	1.0	0.09	0.01	0.00	1.20
	35	214.70	215.05	0.35	< 0.05	13.3	5.05	0.06	0.00	5.10
	36	215.05	217.05	2.00	<0.05	0.8	0.01	0.00	0.00	0.26
	37	217.05	218.90	1.85	<0.05	1.2	0.08	0.01	0.00	1.60
	38	218.90	220.10	1.20	<0.05	0.8	0.02	0.01	0.00	8.45
	39	220.10	220.90	0.80	< 0.05	6.6	2.48	0.03	0.00	3.00
	40	220.90	223.50	2.60	<0.05	0.7	0.03	0.01	0.00	1.25
	41	223.50	226.30	2.80	<0.05	0.8	0.01	0.00	0.00	4.00
	42	241.85	243.25	1.40	< 0.05	<0.5	0.06	0.01	0.00	4.38
MJSU-4	1	31.50	32.50	1.00	<0.05	<0.5	0.00	0.01	0.00	0.73
	2	32.50	33.30	0.80	<0.05	<0.5	0.01	0.01	0.00	0.40
	3	33.30	34.20	0.90	<0.05	<0.5	0.00	0.01	0.00	0.64
	4	55.30	56.30	1.00	<0.05	<0.5	0.02	0.00	0.00	0.47
	5	56.30	57.70	1.40	<0.05	<0.5	0.01	0.00	0.00	0.48
	6	60.25	61.25	1.00	<0.05	<0.5	0.00	0.00	0.00	0.08
	7	61.25	62.25	1.00	<0.05	<0.5	0.00	0.00	0.00	0.18
	8	62.25	63.15	0.90	<0.05	<0.5	0.05	0.01	0.00	1.20
	9	63.15	64.30	1.15	<0.05	<0.5	0.01	0.01	0.00	0.65
	10	64.30	65.15	0.85	<0.05	<0.5	0.02	0.01	0.00	3.15
	11	65.15	66.15	1.00	<0.05	<0.5	0.02	0.01	0.00	1.40
	12	66.15	67.20	1.05	<0.05	<0.5	0.02	0.00	0.00	0.25
	13	67.20	67.60	0.40	<0.05	<0.5	0.01	0.01	0.00	0.43
	14 15	67.60 111.40	67.85	0.25	0.06	<0.5	0.01	0.00	0.00	0.22
	16	133.15	<u>111.65</u> 133.30	0.25 0.15	0.07	12.0	1.82	0.10	0.00	5.40
	17	140.50	141.00	0.15	0.07 <0.05	<u>1.8</u> 15.1	0,24	0.02	0.00	13.80
	18	141.00	142.00	1.00	0.12	20.8	1.31 7.65	0.05 0.02	0.00 0.00	3.30 5.66
	19	142.00	143.10	1.10	<0.05	0.5	0.10	0.02	0.00	0.53
	20	143.10	143.40	0.30	0.28	24.7	10.40	0.02	0.00	12.20
	21	143.40	144.85	1.45	< 0.05	4.0	0.20	0.03	0.00	0.83
	22	144.85	145.00	0.15	0.14	27.3	4.77	0.02	0.00	6.53
[ [	23	145.00	146.40	1.40	<0.05	2.4	0.15	0.01	0.00	0.32
	24	146.40	146.60	0.20	0.15	38.6	4.60	0.03	0.00	5.77
	25	146.60	147.30	0.70	<0.05	0.7	0.09	0.01	0.00	0.40
	26	147.30	147.80	0.50	<0.05	16.7	1.37	0.01	0.00	2.10
	27	147.80	148.80	1.00	<0.05	4.4	0.18	0.01	0.00	0.82
	28	148.80	149.80	1.00	<0.05	0.6	0.09	0.01	0.00	0.43
	29	149.80	149.90	0.10	<0.05	4.0	0.32	0.03	0.00	0.95
ł - F	30	149.90	151.50	1.60	<0.05	1.4	0.13	0.02	0.00	0.54
-	31 32	151.50	153.00	1.50	<0.05	0.8	0.07	0.02	0.00	1.54
		153.00	154.50	1.50	<0.05	<0.5	0.07	0.03	0.00	2.80
	33 34	154.50 155.50	155.50 156.05	1.00 0.55	<0.05	<0.5	0.02	0.01	0.00	2.10
	35	156.05	156.05	0.55	<0.05	5.1	2,54	0.07	0.00	3.40
	36	156.05	156.20	1.25	<0.05 <0.05	12.0 2.3	18.95 0.38	0.87	0.04	12.94
	37	157.45	157.45	0.80	<0.05	9.9	1.82	0.02	0.00	1.41
	38	158.25	158.55	0.30	<0.05	<u>9.9</u> 1.2	0.29	0.02	0.00	2.50 1.30
	39	158.55	158.85	0.30	0.07	17.7	3.64	0.03	0.00	4.00
	40	158.85	160.50	1.65	<0.07	<0.5	0.05	0.07	0.00	0.70
	41	160.50	162.00	1.50	<0.05	0.6	0.09	0.02	0.00	1.02
	42	162.00	162.85	0.85	<0.05	0.7	0.06	0.04	0.00	0.07
	43	162.85	163.00	0.15	<0.05	20.9	2.72	0.03	0.00	2.80
	44	163.00	163.30	0.30	<0.05	1.0	0.04	0.02	0.00	0.83
	45	163.30	163.40	0.10	<0.05	7.4	1.82	0.05	0.00	2.40
	46	213.10	213.20	0.10	<0.05	4.0	1.36	0.03	0.00	2.28
	47	213.65	213.85	0.20	0.09	7.8	1.34	0.02	0.00	3.90

3/8

### Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole No.	Sample No.	Dep (m		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Рb (%)	8 8
MJSU-4	48	215.00	215.15	0.15	<0.05	4.3	0.64	0.02	0.00	3.33
	49	217.00	217.10	0.10	<0.05	4.9	0.76	0.02	0.00	3.42
	50	226.75	226.85	0.10	<0.05	13.0	3.28	0.03	0.00	3.33
	51	227.25	228.05	0.80	<0.05	2.0	0.35	0.01	0.00	1.06
	52	241.20	242.05	0.85	<0.05	<0.5	0.05	0.01	0.00	0.75
	53	242.05	242.80	0.75	<0.05	0.7	0.05	0.03	0.00	0.80
	54	263.50	263.75	0.25	<0.05	0.8	0.09	0.06	0.00	2.62
	55	263.75	265.10	1.35	<0.05	<0.5	0.09	0.01	0.00	0.78
	56	265.10	267.05	1.95	<0.05	<0.5	0.17	0.01	0.00	0.92
	57	272.70	273.25	0.55	0.07	1.1	1.11	0.01	0.00	1.42
	58	278.95	279.35	0.40	<0.05	6.9	2.72	0.03	0.00	4.63
	59	285.70	286.75	1.05	<0.05	0.7	0.04	0.01	0.00	4.40
	60	292.30	292.60	0.30	<0.05	<0.5	0.00	0.01	0.00	4.60
	61	292.60	293.00	0.40	<0.05	<0.5	0.01	0.02	0.00	17.34
	62	293.00	294.25	1.25	<0.05	<0.5	0.01	0.01	0.00	2.20
N IOU E	63	294.25	295.30	1.05	<0.05	<0.5 2.8	<u>0.01</u> 0.19	0.01	0.00	2.00 5.67
MJSU-5		77.70	<u>79.40</u> 79.90	1.70 0.50	0.05 <0.05	11.0	1.86	0.03	0.00	3.71
	2	79.40 79.90	80.55	0.50	<0.05	5.4	0.83	0.05	0.00	2.90
	4	80.55	80.95	0.05	0.13	35.9	4.62	0.00	0.00	7.88
	5	80.95	81.70	0.75	0.07	2.1	0.16	0.02	0.00	<0.05
	6	81.70	82.55	0.85	0.12	27.8	4.28	0.07	0.00	11.07
	7	82.55	84.00	1.45	< 0.05	2.2	0.36	0.02	0.00	16.03
	8	84.00	85.50	1.50	< 0.05	0.8	0.09	0.01	0.00	7.29
	9	85.50	87.00	1.50	< 0.05	2.2	0.19	0.01	0.00	9.61
	10	87.00	88.90	1.90	<0.05	1.9	0.15	0.01	0.00	7.42
	11	88.90	89.90	1.00	<0.05	10.5	1.42	0.04	0.00	3.45
	12	89.90	90,90	1.00	0.11	12.0	0.95	0.03	0.00	8.83
	13	90.90	91.90	1.00	0.08	15.8	1.59	0.03	0.00	8.39
	14	91.90	93.20	1.30	<0.05	15.7	3.33	0.03	0.00	4.90
	15	93.20	94.70	1.50	<0.05	1.4	0.17	0.01	0.00	0.70
	16	94.70	95.50	0.80	<0.05	1.5	0.41	0.02	0.00	1.15
	17	95.50	96.50	1.00	0.10	15.3	4.25	0.01	0.00	6.44
	18	96.50	97,50	1.00	<0.05	12.4	4.21	0.01	0.00	4.79
	19	97.50	98.50	1.00	<0.05	12.1	4.10	0.02	0.00	3.86
	20	98.50	99.50	1.00	<0.05	12.9	2.85	0.02	0.00	2.45
	21	99.50	99.90	0.40	0.36	5.8	2.12	0.02	0.00	2,58
	22	99.90	101.00	1.10		<u>2.6</u> <0.5	0.35 0.13	0.02 0.01	0.00 0.00	1.50 0.08
	23	109.65	<u>111.00</u> 112.50	1.35 1.50	0.05 0.10	<u>(0.5</u> 0.6	0.13	0.01	0.00	0.08
	24 25	111.00 112.50	112.50	1.50	<0.10	0.0	0.13	0.01	0.00	1,20
	25	112.50	114.00	0.50	<0.05	3.8	1.38	0.01	0.00	1.15
	20	151.30	151.65	0.35	<0.05	0.6	0.29	0.01	0.00	3.20
	27	229.80	231.30	1.50	<0.05	0.6	0.20	0.02	0.00	0.75
	20	231.30	232.80	1.50	0.05	<0.5	0.29	0.00	0.00	1.30
	30	232.80	233.90	1.10	<0.05	<0.5	0.13	0.00	0.00	0.63
	31	233.90	234.50	0.60	<0.05	0.5	0.50	0.01	0.00	3.82
	32	234.50	235.30	0.80	<0.05	0.5	0.41	0.01	0.00	14.11
	33	235.30	235.65	0.35	< 0.05	2.9	3.24	0.01	0.00	6.56
	34	235.65	236.05	0.40	< 0.05	<0.5	0.44	0.01	0.00	1.42
	35	236.05	236.20	0.15	< 0.05	3.0	1.06	0.01	0.00	4.88
	36	236.20	237.30	1.10	<0.05	<0.5	0.05	0.02	0.00	1.06
	37	237.30	238.55	1.25	0.10	6.6	0.66	0.02	0.00	11.64
	38	238.55	239.20	0.65	<0.05	1.5	0.39	0.01	0.00	6.37
	39	239.20	239.35	0.15	<0.05	2.1	0.93	0.01	0.00	6.11
1	40	239.35	239.55	0.20	<0.05	0.7	0.51	0.02	0.00	6.91

Appendix 1-	29 Resu	lts of C	ore Assa	y (Core :	Samples)	ł
Donth	Wishel	۸.,	۸	<u> </u>	7-	DL

Drill Hole	Sample	De	pth	Width	Au	Ag	Cu	Zn	Pb	S
No.	No.	(n	n)	(m)	(g/t)	(g/t)	(%)	(%)	(%)	(%)
MJSU-5	41	239.55	239.75	0.20	0.06	0.9	0.51	0.02	0.00	20.50
	42	239.75	239.95	0.20	0.60	<0.5	0.18	0.01	0.00	5.93
	43	239.95	240.45	0.50	0.13	3.5	0.54	0.02	0.00	17.26
	44	240.45	241.80	1.35	<0.05	<0.5	0.03	0.00	0.00	1.00
	45	241.80	242.60	0.80	0.08	<0.5	0.07	0.01	0.00	2.90
	46	242.60	243.90	1.30	0.05	<0.5	0.07	0.01	0.00	1.60
	47	243.90	245.65	1.75	<0.05	<0.5	0.07	0.01	0.00	0.70
	48	245.65	247.70	2.05	<0.05	2.0	1.02	0.02	0.00	6.34
	49	247.70	249.80	2.10	<0.05	<0.5	0.05	0.01	0.00	1.05
	50	249.80	250.20	0.40	< 0.05	1.0	0.21	0.03	0.00	4.50
	51	250.35	251.70	1.35	<0.05	2,2	0.62	0.02	0.00	3.90
	52	252.15	253.80	1.65	0.09	1.0	0.34	0.01	0.00	1.91
	53	253.90	255.45	1.55	<0.05	1.4	0.81	0.01	0.00	5.13
	54	255.45	256.30	0.85	0.12	21.9	2.58	0.02	0.00	9.30
	55	268.90	269.75	0.85	<0.05	1.8	0.95	0.01	0.00	9.20
	56	269.75	270.20	0.45	<0.05	<0.5	0.04	0.01	0.00	0.99
	57	270.20	271.10	0.90	<0.05	0.9	0.23	0.01	0.00	16.30
	58	271.10	271.55	0.45	<0.05	2.0	1.06	0.01	0.00	32.30
	59	271.55	271.85	0.30	0.09	8.6	2.49	0.02	0.00	6.32
	60	271.85	273.45	1.60	<0.05	3.3	1.48	0.01	0.00	1.95
	61	273.45	274.20	0.75	0.10	2.1	2.01	0.01	0.00	5.20
	62	274.20	275.40	1.20	<0.05	1.0	0.27	1.01	0.00	8.73
	63	275.40	276.35	0.95	0.06	<0.5	0.11	0.02	0.00	0.80
	64	276.35	277.15	0.80	0.27	2.6	0.70	0.01	0.00	2.16
	65	277.15	277.80	0.65	<0.05	<0.5	0.04	0.01	0.00	0.45
	66	277.80	278,15	0.35	<0.05	1.7	1.06	0.01	0.00	3.36
	67	278.15	280.00	1.85	<0.05	1.1	0.34	0.01	0.00	1.40
	68	280.00	280.35	0.35	<0.05	<0.5	0.28	0.01	0.00	1.54
	69	285.25	285.50	0.25	<0.05	6.4	1.96	0.01	0.00	4.33
	70	285.50	287.40	1.90	<0.05	<0.5	0.03	0.02	0.00	2.83
	71	298.95	299.90	0.95	0.18	<0.5	0.24	0.01	0.00	2.00
	72	299.90	301.60	1.70	<0.05	1.3	0.31	0.01	0.00	0.90
	73	303.55	303.85	0.30	<0.05	<0.5	0.17	0.01	0.00	1.36
	74	306.90	308.35	1.45	<0.05	<0.5	0.04	0.01	0.00	1.25
	75	308.35	310.30	1.95	<0.05	<0.5	0.12	0.01	0.00	0.30
	76	314.95	315.05	0.10	<0.05	<0.5	0.36	0.02	0.00	1.00
	77	318.90	319.05	0.15	<0.05	<0.5	0.19	0.01	0.00	0.50
	78	328.90	329.90	1.00	<0.05	8.6	7.04	0.02	0.00	5.00
	79	329.90	330.40	0.50	0.33	5.2	7.32	0.01	0.00	3.30
	80	330.50	331.20	0.70	<0.05	7.4	6.10	0.02	0.00	5.10
	81	331.20	331.65	0.45	0.05	< 0.5	0.33	0.02	0.00	2.25
MIOUR	82	342.20	342.50	0.30	0.09	0.8	0.47	0.02	0.00	2.60
MJSU-6	1	64.15	65.20	1.05	<0.05	0.7	0.02	0.02	0.00	1.15
	2	65.20	66.15	0.95	<0.05	<0.5	0.01	0.02	0.00	1.10
	3	66.15	66.90	0.75	<0.05	<0.5	0.03	0.03	0.00	2.25
	4	83.05	85.00	1.95	<0.05	<0.5	0.00	0.01	0.00	1.15
	5	98.70	99.90	1.20	<0.05	<0.5	0.00	0.03	0.00	2.20
	6	133.20	133.85	0.65	<0.05	4.6	0.28	0.24	0.01	6.50
	7	133.85	134.75	0.90	< 0.05	1.9	0.16	0.48	0.02	1.75
	8	134.75	135.35	0.60	<0.05	71.6	1.71	16.20	0.36	10.00
	9	135.35	135.75	0.40	<0.05	1.1	0.06	0.47	0.02	1.10
	10	135.75	136.20	0.45	< 0.05	15.0	0.17	0.04	0.02	4.60
	11	136.20	136.45	0.25	0.06	3.7	0.25	0.02	0.01	1.24
	12	136.45	136.90	0.45	<0.05	15.4	0.61	0.04	0.01	3.70
	13	136.90	137.20	0.30	<0.05	2.7	0.03	0.02	0.00	0.64
	14	137.20	138.00	0.80	<0.05	40.3	0.97	3.17	0.06	10.70

5/8

# Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole	Sample	Dep	oth	Width	Au	Ag	Cu	Zn	Pb	S
No.	No.	(n		(m)	(g/t)	(g/t)	(%)	(%)	(%)	(%)
MJSU-6	15	138.00	138.85	0.85	<0.05	<0.5	0.03	0.04	0.00	0.47
	16	138.85	139.30	0.45	<0.05	3.2	0.23	0.06	0.01	2.90
	17	139.30	140.10	0.80	<0.05	<0.5	0.02	0.03	0.00	2.85
	18	140.10	140.40	0.30	<0.05	<0.5	0.03	0.03	0.00	2.10
	19	140.40	141.50	1.10	<0.05	<0.5	0.04	0.03	0.00	2.60
	20	154.05	154.25	0.20	<0.05	1.5	0.05	0.22	0.00	5.40
	21	154.25	154.60	0.35	<0.05	0.7	0.01	0.02	0.00	10.60
	22	154.60	154.85	0.25	<0.05	3.2	0.12	0.03	0.00	2.14
	23	166.80	167.05	0.25	<0.05	<0.5	0.00	0.01	0.00	2.68
	24	174.20	174.35	0.15	<0.05	1.4	0.00	0.00	0.00	3.10
	25	182.15	182.90	0.75	<0.05	2.1	0.10	0.01	0.00	5.57
	26	213.55	214.30	0.75	<0.05	<0.5	0.00	0.00	0.00	8.36
	27	214.30	215.10	0.80	0.05	<0.5	0.00	0.01	0.00	1.30
	28	215.10	215.95	0.85	<0.05	<0.5	0.00	0.01	0.00	2.70
	29	215.95	218.00	2.05	<0.05	<0.5	0.00	0.01	0.00	0.80
	30	218.00	219.90	1.90	<0.05	0.5	0.00	0.01	0.00	6.16
	31	219.90	220.70	0.80	0.07	<0.5	0.00	0.01	0.00	2.00
	32	220.70	220.90	0.20	<0.05	4.0	0.03	0.00	0.00	26.15
	33	220.90	223.00	2.10	<0.05	<0.5	0.01	0.00	0.00	7.35
	34	223.00	225,65	2.65	<0.05	<0.5	0.00	0.01	0.00	4.00
	35	225,65	227.25	1.60	<0.05	<0.5	0.00	0.00	0.00	13.40
	36	227,25	228.90	1.65	<0.05	0.6	0.00	0.00	0.00	20.00
	37	241.55	243.65	2.10	<0.05	1.2	0.01	0.02	0.00	2.30
	38	243.65	244.95	1.30	<0.05	1.4	0.06	0.01	0.00	1.75
MJSU-7	1	18.25	20.50	2.25	<0.05	<0.5	0.02	0.01	0.00	0.62
	2	25.10	26.75	1.65	<0.05	0.8	0.06	0.04	0.00	0.57
	3	28.45	30.00	1.55	<0.05	0.7	0.05	0.21	0.00	0.65
	4	34.15	35.85	1.70	<0.05	0.6	0.03	0.02	0.00	1.00
	5	49.25	49.85	0.60	<0.05	2.4	0.10	0.01	0.00	3.80
	6	60.00	60.20	0.20	<0.05	, 9.1	0.91	0.03	0.00	4.88
	7	62.85	63.50	0.65	<0.05	29.0	2.05	0.08	0.00	6.60
	8	63.50	64.85	1.35	<0.05	3.8	0.33	0.04	0.00	2.75
	9	70.15	72.65	2.50	<0.05	1.3	0.03	0.03	0.00	4.88
	10	72.65	73.45	0.80	<0.05	1.8	0.09	0.03	0.00	2.64
	11	73.45	74.30	0.85	<0.05	1.3	0.08	0.02	0.00	4.50
	12	74.30	76.55	2.25	<0.05	1.9	0.07	0.05	0.00	10.80
	13	76.55	76.70	0.15	<0.05	4.3	0.38	0.45	0.00	20.32
	14	76.70	78.05	1.35	<0.05	0.6	0.05	0.03	0.00	5.38
	15	79.90	80.15	0.25	<0.05	<0.5	0.05	0.02	0.00	2.60
	16	87.20	87.40	0.20	<0.05	1.0	0.04	0.04	0.00	2.84
	17	108.25	108.75	0.50	<0.05	3.6	0.10	0.01	0.00	2.28
	18	173.85	174.55	0.70	<0.05	1.1	0.04	0.09	0.01	3.00
	19	174.55	176.00	1.45	<0.05	2.2	0.07	0.22	0.03	2.95
	20	176.00	178.00	2.00	<0.05	0.9	0.02	0.11	0.01	2.50
	21	192.65	193.55	0.90	<0.05	3.4	0.04	0.09	0.05	3.20
	22	193.55	194.55	1.00	<0.05	1.5	0.01	0.33	0.03	3.00
	23	197.90	198.30	0.40	<0.05	1.0	0.08	0.21	0.00	2.65
	24	227.85	228.80	0.95	<0.05	<0.5	0.03	0.18	0.00	2.80
MJSU-8	1	14.20	15.00	0.80	<0.05	<0.5	0.00	0.01	0.00	0.33
	2	30.30	30.70	0.40	<0.05	1.2	0.01	0.01	0.00	0.60
	3	30.70	31.25	0.55	0.07	1.2	0.01	0.02	0.00	0.90
	4	31.25	33.30	2.05	< 0.05	<0.5	0.01	0.01	0.00	4.00
	5	33.70	35.70	2.00	0.06	0.6	0.01	0.01	0.00	4.50
	6	35.70	37.70	2.00	<0.05	0.6	0.02	0.01	0.00	4.10
	7	37.70	39.70	2.00	<0.05	0.7	0.03	0.01	0.00	4.35
	8	39.70	41.70	2.00	<0.05	0.7	0.02	0.01	0.00	4.42

Drill Hole	Sample		pth	Width		Ag	Cu	Zn	Pb	S
No.	No.		n)	(m)	(g/t)	(g/t)	(%)	(%)	(%)	(%)
MJSU-8	9 10	41.70 43.70	43.70 45.65	2.00	0.09	1.2	0.01	0.03	0.00	4.30
	11	69.55	45.05 71.95	2.40	0.08 <0.05	<0.5 <0.5	0.01	0.02 0.05	0.00	3.69
	12	71.95	73.25	1.30	0.06	0.9	0.01	0.05	0.00	3.30 5.37
	13	73.25	73.55	0.30	<0.05	3.9	0.90	12.74	0.01	14.00
	14	73.55	75.50	1.95	0.06	0.8	0.03	0.06	0.01	10.66
	15	75.50	77.20	1.70	0.14	1.0	0.02	0.00	0.01	11.35
	16	77.20	77.40	0.20	2.52	6.1	0.08	0.02	0.03	28.90
	17	77.40	79.20	1.80	0.07	0.8	0.02	0.01	0.01	12.10
	18	79.20	81.00	1.80	0.08	0.9	0.02	0.01	0.01	12.64
	19	81.00	82.65	1.65	0.08	1.1	0.02	0.00	0.01	11.48
	20	82.65	83.35	0.70	0.24	19.5	1.57	0.01	0.02	25.00
	21	83.35	85.10	1.75	0.10	6.2	0.11	0.25	0.01	7.00
	22	85.10	85.85	0.75	0.51	35.3	0.15	0.24	0.02	13.36
	23	85.85	87.85	2.00	0.05	4.0	0.01	0.02	0.03	5.62
	24	87.85	90.75	2.90	<0.05	0,5	0.01	0.01	0.00	5.55
	25	90.75	91.95	1.20	<0.05	0.8	0.02	0.02	0.00	9.00
	26	91.95	95.00	3.05	<0.05	0.6	0.01	0.01	0.00	4.07
	27 28	95.00 97.90	96.95	1.95	<0.05	0.9	0.01	0.01	0.00	4.80
	20 29	101.80	101.10 104.65	3.20 2.85	0.17 <0.05	2.0	0.02	0.01	0.00	8.79
	30	104.65	107.55	2.05	<0.05	<u>1.0</u> 1.3	0.01 0.02	0.03	0.00 0.00	6.70
	31	107.55	110.00	2.30	<0.05	1.5	0.02	0.01	0.00	9.60 10.00
	32	110.00	113.00	3.00	<0.05	<0.5	0.04	0.02	0.00	5.60
	33	113.00	114.05	1.05	<0.05	0.8	0.02	0.10	0.00	7.95
	34	114.05	117.00	2.95	<0.05	<0.5	0.01	0.01	0.00	4.75
	35	117.00	120.00	3.00	< 0.05	0.8	0.01	0.01	0.00	6.10
	36	120.00	123.00	3.00	0.07	0.9	0.01	0.01	0.00	5,15
	37	123.00	124,45	1.45	<0.05	0.5	0.01	0.01	0.00	5.75
	38	124.45	125.80	1.35	<0.05	0.5	0.01	0.01	0.00	4.00
	39	125.80	128.05	2.25	<0.05	0.7	0.01	0.01	0.00	6.80
	40	128.05	129.55	1.50	<0.05	1.0	0.04	0.01	0.01	10.40
	41	129.55	132,15	2.60	<0.05	1.0	0.02	0.03	0.00	6.00
	42	132.15	133.00	0.85	<0.05	1.0	0.03	0.01	0.00	9.73
	43	133.00	134.75	1.75	0.07	1.0	0.02	0.01	0.00	5,15
	44	134.75	137.70	2.95	< 0.05	<0.5	0.01	0.01	0.00	3.70
	45 46	137.70	138.85	1.15	<0.05	0.5	0.01	0.00	0.00	4.80
	40	138.85 139.35	139,35	0.50	<0.05	<0.5	0.00	0.01	0.00	3.55
	47	142.00	142.00 143.40	2.65 1.40	<0.05 <0.05	<0.5 <0.5	0.01	0.02	0.00 0.00	5.55 5.20
ŗ	49	143.40	143.40	0.95	<0.05	<0.5	0.01	0.00	0.00	5.20 4.60
	50	144.35	146.00	1.65	<0.05	<0.5	0.01	0.00	0.00	6.10
	51	146.00	147.50	1.50	<0.05	0.7	0.01	0.00	0.00	4.30
	52	147.50	149.00	1.50	<0.05	0.6	0.01	0.02	0.00	4.55
ľ	53	149.00	150.50	1.50	<0.05	<0.5	0.01	0.00	0.00	4.14
	54	150.50	152.00	1.50	<0.05	0.7	0.01	0.01	0.00	5.50
	55	152.00	153.50	1.50	<0.05	0.6	0.01	0.01	0.00	4.00
	56	153.50	154.20	0.70	<0.05	0.6	0.01	0.03	0.01	5.10
	57	154.20	155,45	1.25	<0.05	0.6	0.02	0.04	0.00	8.80
ļ	58	155.45	157.00	1.55	<0.05	<0.5	0.01	0.03	0.01	4.02
-	59	157.00	158,75	1.75	<0.05	0.8	0.01	0.01	0.00	5.52
ŀ	60	158.75	159.95	1.20	<0.05	1.0	0.01	0.04	0.00	6.45
ŀ	61	159.95	161.50	1.55	<0.05	1.8	0.02	0.04	0.01	7.26
-	62	161.50	163.00	1.50	<0.05	2.5	0.01	0.02	0.01	6.90
ł	63	163.00	164.50	1.50	<0.05	2.6	0.01	0.02	0.01	10.12
	64	164.50	166.00	1.50	<0.05	1.0	0.02	0.04	0.01	6.18

Appendix 1-29 Results of Ore Assay (Core Samples)

# Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole	Sample	Dep	oth	Width	Au	Ag	Cu	Zn	Pb	S
No.	No.	(m	n)	(m)	(g/t)	(g/t)	(%)	(%)	(%)	(%)
MJSU-8	65	166.00	167.50	1.50	<0.05	0.7	0.01	0.02	0.00	4.27
	66	167.50	169.00	1.50	<0.05	0.5	0.01	0.03	0.00	4.06
	67	169.00	170.50	1.50	<0.05	0.6	0.01	0.01	0.00	5.35
	68	170.50	172.00	1.50	<0.05	0.7	0.00	0.02	0.00	3.90
	69	172.00	173.50	1.50	<0.05	<0.5	0.01	0.03	0.00	3.12
	70	173.50	175.00	1.50	<0.05	1.0	0.01	0.02	0.00	4.25
	71	175.00	176.50	1.50	<0.05	0.8	0.01	0.01	0.00	3.90
	72	176.50	178.00	1.50	<0.05	1.0	0.01	0.01	0.00	3.95
· ·	73	178.00	179.50	1.50	<0.05	0.6	0.00	0.01	0.00	3.00
	74	179.50	181.00	1.50	<0.05	0.6	0.01	0.01	0.00	3.78
	75	181.00	182.60	1.60	<0.05	<0.5	0.01	0.01	0.00	3.39
	76	183.50	185.00	1.50	<0.05	1.0	0.01	0.01	0.00	4.22
	77	185.00	186.05	1.05	<0.05	1.5	0.00	0.01	0.00	5.66
	78	199.00	200.50	1.50	<0.05	<0.5	0.00	0.00	0.00	2.25
	79	200.50	202.00	1.50	<0.05	<0.5	0.00	0.00	0.00	2.50
	80	202.00	203.50	1.50	<0.05	<0.5	0.01	0.00	0.00	2.42
	81	203.50	205.00	1.50	<0.05	<0.5	0.01	0.00	0.00	1.85
	82	205.00	206.50	1.50	<0.05	<0.5	0.01	0.00	0.00	3.35
	83	206.50	208.00	1.50	<0.05	<0.5	0.00	0.00	0.00	1.65
	84	208.00	209.50	1.50	<0.05	<0.5	0.01	0.00	0.00	2.25
	85	209.50	211.15	1.65	<0.05	<0.5	0.01	0.01	0.00	2.90
	86	228.45	230.00	1.55	<0.05	<0.5	0.01	0.00	0.00	1.15
	87	230.00	231.45	1.45	<0.05	<0.5	0.01	0.01	0.00	3.00
	88	231.45	232.95	1.50	<0.05	0.9	0.01	0.00	0.00	1.00
	89	232.95	233.85	0.90	<0.05	<0.5	0.01	0.00	0.00	0.85
	90	233.85	235.35	1.50	<0.05	<0.5	0.00	0.00	0.00	3.10
	91	235.35	236.70	1.35	<0.05	0.7	0.01	0.00	0.00	4.45

e.

Drill s	Sample	a Rock type	Texture	phenocryst or fragment groundmass or matrix metamorphic or alteration
	Ś			others MP hb qz pl Kf gi op others ep
NJSU-1	12	12 Rhyodacite	porphyritic	
]		weakly meta		Sericite develops stongly along cracks and partly replace plagioclase. Devitrified glass partly into chlorite.
	75	75 Rhyodacite lapilli tuff	clastic	
I		weakly meta		Sericite occurs widely as a layer. Carbonate occurs in a matrix and as a vein.
	129	129 Rhyodacite coarse tuff	clastic to	
1			porphyritic	Sericite widely develops with a mesh-like structure.
	199		clastic	
		weakly meta		Carbonate vein is common. Chlorite and sericite replace devitrified glass.
	248	248 Volcanic breccia	clastic	
		weakly meta		Sericite occurs as a layer replacing matrix. Chlorite replaces devitrified glass.
MJSU-2	45	45 Basalt	partly trachytic	
		weakly meta		Most of the minerals and glass are carbonatized and chloritized. Sericite occurs along a crack.
	83	63 Basalt	originally	
1		neta	aphyric	Mafic minerals are totally replace by chlorite, sericite and carbonate. Carbonate vein.
	65	65 Microdiorite	micro-ophitic	
		weakly meta		<u>Glassy part and mafic minerals are totally replaced by chlorite and carbonate.</u>
	75	75 Basalt	porphyritic	
1		weakly meta		<u>Glassy part is totally replaced by chlorite and sericite. Sericite occurs along cracks.</u>
	106	106 Basaltic tuff	clastic to	
1		eta	sub-trachytic	Matic minerals are totally replaced by chlorite and carbonate. Amygdule is filled by quartz and carbonate.
	120		clastic	
		weakly meta		<u>Glassy part is totally replaced by chlorite, sericite and carbonate.</u> carbonate vein.
MJSU-3	9	10 Dacite	porphyritic	
1		weakly meta		Glass and mafic minerals is into chlorite and sericite. Plagioclase is strongly replaced by sericite.
	S	Silicified volcanic rock	porphyritic	
1		weakly meta		<u>Matrix is strongly silicified.</u>
	41	Silicified volcanic rock	porphyritic	
ł		weakly meta		<u>Matrix and feldspar are strongly silicified and sericitized.</u> Carbonate vein.
	83		clastic	
4		weakly meta		<u>Mafic minerals and matrix are replaced by chlorite and sericite.</u> Plagioclase strongly by epidote and sericite.
	89	89 Dacite	porphyritic	
		weakly meta		Mafic minerals are replaced by chlorite. Plagioclase strongly by epidote and sericite.
	131	131 Porphyritic dacite	porphyritic	
1		weakly meta		<u>Matic minerals is replaced by chlorite.</u> plagioclase by epidote. Carbonate vein.
	150	150 Microdiorite	sub-trachytic	
1				<u>Mafic minerals is replaced totally by chlorite. plagioclase by sericite. Carbonate vein.</u>
	171	171 Dacite coarse tuff	clastic	〈△〉   〇 〇  ・
		WEANLY INCLA		

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II	No.	alaatia ta	MP cpx hb gz pi Kf op others MP hb gz pi Kf gi op others ep chi amp ser tit cb others
	Thursday and a second read	alatia ta	
	I I KINYODACITE COARSE TUTT	CIASTIC 10	
	weakly meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase is replaced strongly by sericite. Carbonate vein.
	232 Dacite	porphyritic	
24 MJSU-4	weakly meta		Mafic minerals are replaced by epidote and chlorite. Plagioclase is replaced mainly by sericite. Carbonate vein
	243 Porphyritic dacite	porphyritic	
	weakiy meta		Mafic minerals are replaced by epidote and chlorite. Plagioclase is replaced mainly by sericite. Carbonate vein.
	15 Diorite	ophitic	(0) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	weakly meta		Mafic minerals are by epidote and chlorite. Plagioclase is locally by epidote. Graphic texture develops.
e	30 Dolerite	micro-ophitic	
	weakly meta		Mafic minerals except for hormblende are replaced by chlorite. Plagioclase is partly by epidote. carbonate vein
4	40 Diorite	equigranular	
	weakly meta		Plagioclase and mafic minerals are replaced totally by chlorite and sericite. Carbonate vein.
4	45 Silicified volcanics	porphyritic?	1
	weakly meta		Mafic minerals are replaced by chlorite. Carbonate vein is common.
ŝ	52 Rhyodacite coarse tuff	clastic to	(∆)   O (∆)   ·       O   O   (O   (O   C   O   O   O   O   O   O   O   O
	weakly meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase is replaced by sericite.
80	80 Porphyritic andesite	porphyritic	
	weakly meta		Hornblende is partly by chlorite, carbonate and actinolite. plagioclase by epidote. Carbonate vein.
ອ 	95 Porphyritic andesite	porphyritic	
	weakly meta		Mafic minerals are replaced by chlorite, epidote and carbonate. Plagioclase by sericite and carbonate.
12	121 Rhyodacite lapilli tuff	clastic to	
	weakiy meta	porphyritic	ic minerals and matrix are by chlorite, carbor
13	136 Dacite coarse tuff	clastic to	
	weakly meta	porphyritic	<u>Mafic minerals are by chlorite and carbonate. Plagioclase is by sericite and carbonate.</u>
11	175 Andesite	porphyritic	
	weakly meta		Matic minerals are replaced by chlorite. Plagioclase is replaced strongly by sericite.
61	193 Andesite lapilli tuff	clastic to	O   ⟨@⟩   Δ     <c< th=""></c<>
	weakly meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase is replaced strongly by sericite. Carbonate vein.
- 22	222 Andesite lapilli tuff	clastic to	
	weakly meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase is replaced strongly by sericite. Carbonate vein.
23	238 Andesite lapilli tuff	clastic to	)> · · · · · · · · · · · · · · · · · · ·
	weakly meta	porphyritic	Mafic minerals by chlorite and carbonate. Plagioclase by sericite and epidote. Carbonate and sericite veins.
25	259 Dacitic lapilli tuff	clastic to	
	strongly by carbonate porphyritic	porphyritic	Plagioclase and matrix are strongly replaced by carbonate. Sericite occurs as a layer. Chlorite vein.
28	282 Rhyodacite coarse tuff	clastic to	
	silicified	porphyritic	ongly silicified. Sericitization and chloritization are widespread. Co
	288 Dacite	porphyritic	
	weakly meta		Matic minerals are replaced by chlorite. Plagioclase is by sericite. Carbonate vein.

2/4

Drill	Sample	e Rock type	Texture	
				pi Kf op others MPI hb az bi Kf
MJSU-4	296	296 Rhyodacite tuff	clastic to	
		weakly meta	porphyritic	Mafic minerals are replaced by chlorite and sericite. Plagioclase phenocryst totally by sericite.
9-USLM	ধ্য	25 Diorite	porphyritic	
		weakly meta		Hornblende is partly replaced by chlorite. Plagioclase is strongly by epidote and sericite.
	8	63 Diorite	ophitic	
		weakly meta		Mafic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite. Carbonate vein.
	115	115 Dacitic lapilli tuff	clastic to	0
		weakly meta	porphyritic	
	124	124 Andesite lapilli tuff	clastic to	
		weakly meta	porphyritic	Mafic minerals are by chlorite. Plagioclase phenocryst strongly by epidote and sericite. Carbonate vein
	138	138 Dolerite	ophitic	
		weakly meta		Clinopyroxene is strongly by chlorite and carbonate. Orthopyroxene(?) is totally by chlorite.
	165	165 Andesite lapilli tuff	clastic to	
		weakly meta	porphyritic	Matic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite. Carbonate vein
	194	194 Andesite coarse tuff	clastic to	
1		weakly meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite.
	210	210 Andesite lapilli tuff	clastic to	
1		weakiy meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite. Carbonate vein
	264	264 Rhyodacite	porphyritic	
		weakly meta		Matic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite and epidote. Carbonate vein
	249	249 Rhyodacite lapilli tuff	clastic to	0
		weakly meta	porphyritic	Mafic minerals by chlorite. Matrix strongly by sericite and chlorite. sericite occurs as a layer. Carbonate vein.
	283	283 Rhyodacite lapilli tuff	clastic to	0     0 0   (@) ·   apa (·)   0   0
		weakly meta	porphyritic	
	315	315 Dacitic lapilli tuff	clastic to	
		weakly meta	porphyritic	Mafic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite and epidote. Carbonate vein
	337	337 Dacitic lapilli tuff	clastic to	
		weakly meta	porphyritic	Matic minerals are replaced by chlorite. Plagioclase phenocryst strongly by sericite.
9-NSCM	47	47 Basaltic tuff	clastic to	
		weakly meta	porphyritic	Mafic minerals and matrix are replaced totally by chlorite. Carbonate vein.
	58	58 Basaltic fine tuff	clastic to	
		weakly meta	porphyritic	Mafic minerals and matrix are replaced by chlorite. plagioclase partly by sericite. Carbonate vein.
	74	74 Dolerite	micro-ophitic	
<b>k</b>		weakly meta		
	132	132 Dacitic tuff	clastic to	
		weakly meta	porphyritic	Matrix is replaced by chlorite and sericite. Plagioclase phenocryst is highly by sericite.
	145	145 Basaltic fine tuff	clastic to	
		weakly meta	porphyritic	Most of the minerals and matrix are replaced by chlorite and carbonate.

3/4

			exture	i phenocryst of fragment i groundmass or matrix i metamorphic	Dhic of alteration
TIOLO NO.	No.			MPI cnv/ hb   a7   n  Kf   nn   nthere MP  hb   a7   n  Kf   a1   nn   othere an	cort tit ob other
2-USLM	72	72 Basaltic fine tuff	clastic to		
		weakiy meta	porphyritic	sericite. Matrix by chlorite and	sericite. Oz vein.
L	202	202 Rhyodacite tuff	clastic to	0 0 · aba (·) 0	
		weakiy meta	porphyritic	Matrix is replaced highly by chlorite, sericite and carbonate. Pleochroic carbonate: ankerite	te
<u> </u>	210		porphyritic		
		weakly meta		Plagioclase is replaced highly by chlorite, sericite and carbonate. Matrix strongly by carbonate	nate and chlorite.
	240	240 Rhyodacite	porphyritic	O   △     △       ◎   O     ·   apa (·)	•
		weakly meta		Matic mineral (biotite?) is replaced by sericite. Sericite occurs commonly as a layer.	
8-USLM	10	10 Basalt	porphyritic		
		weakly meta		Mafic minerals are replaced totally by chlorite. Matrix is by carbonate and chlorite. Carbo	1
	20	20 Porphyritic basalt	porphyritic		0
		weakly meta		Mafic phenocryst are by carbonate. Matrix is by chlorite. Plagioclase is by carbonate and	d epidote.
	39	39 Rhyodacite tuff?	clastic to		
		highly silicified	porphyritic	Mafic minerals are by chlorite. Devirified glass is by chlorite(or clay minerals)	
	57	57 Rhyodacite coarse tuff	clastic to		0 0 0
		weakly meta	porphyritic	Mafic minerals are replaced by carbonate. Carbonate vein.	
	5	91 Volcanic breccia	clastic		0
		weakly meta		<u>Mafic minerals(?) are replaced mainly of aggregates o opaque minerals. Quartz vein.</u>	
	<b>8</b> 6	98 Volcanic breccia	clastic		0
		weakly meta		Mafic minerals(?) are replaced mainly of aggregates o opaque minerals.	
	183	183 Sandstone?	clastic		
		weakly meta		Grain boundaries and glassy materials are highly replaced by sericite.	
	192	192 Porphyritic andesite	porphyritic		∆   O   prh(∆)
		weakly meta		Plagioclase(saussurite) is partly replaced by prehnite and epidote. Mafic minerals are by chi	chlorite and carbonate.
	207	207 Pumiceous volcanic breccia	clastic		0
		weakly meta		Fragment of qz aggregate is common. Glassy part is replaced by sericite.	
	226	226 Andesite	porphyritic		
		weakly meta		Plagioclase, totally sussurite, is replaced partly by epidote. Mafic minerals are by chlorite	and epidote.
	233		clastic	ê 	O ·   goe(Δ)
		weakly meta		Matic minerals are replaced by chlorite. Sericite occurs at the grain boundaries among fra	fragments.
	244	244 Volcanic breccia	clastic		∆   O   prh(∆)
		weakly meta		Matic minerals by chlorite and epidote. Placioclase strongly by epidote. Prehnite and carbonate veins.	bonate veins.

abbrev. MP=pseudomorphs of mafic minerals, cpx=clinopyroxene, pl=plagioclase, op=opaque minerals, qz=quartz, hb=hornblende, kf=K-feldspar epi=epidote, gl=glass or microcrystalline aggregate, amp=green amphibole, cb.=carbonate, ser=sericite, tit=titanite, apa=apatite, cly=clay minerals, prh=prehnite <> shows almost totally decomposed @abundant, Ocommon, ∆small, -rare

Loca	alities	Sample No.	Depth (m)	Rock Name	Pyrite	Chalcopyrite	Covellite	Chalcocite	Tetrahedrite	Sphalerite	Galena	Clausthalite (PbSe)	Altaite (PbTe)	Hessite (Ag, Te)	Naumannite (Ag <sub>2</sub> Se)	Magnetite	Hematite	Anatase
4/6	MJSU-1	153P	153.5	cp-py-sph stringers	0	0				0	0		Ι					
Gossan	WN30-1	215P	215.5	cp-py-sph vein	0	0				0	Δ			Δ				
		122P	122.4	cp-py breccia ore	0	Ø				Δ				Γ				
		124P	124.3	py-cp-sph breccia ore	0	0				0	Δ		Δ					
4/6	MJSU-2	131P	131.2	py-sph-cp <b>massive</b> ore	0	0	Δ			0	Δ							
Gossan	NU30-2	132P	132.1	py-cp-sph massive ore	0	0	Δ			0	Δ							
		135P	135.7	py breccia ore	0	Δ				Δ	Δ							
		141P	141.2	py-cp massive ore	0	0	Δ		1	Δ								
Umm ad Damar	MJSU-3	214P	214.9	cp-py network vein	0	0				0	Δ							
North	WJ30-3	220P	220.6	py-cp network vein	0	0										0	Δ	
		1 <b>43</b> P	143.3	py-cp vein, 4cm wide	0	0				0								Δ
Umm ad Damar	MJSU-4	1 <b>49P</b>	149.9	py-cp veinlets	0	0				Δ								0
Damar North	MJ50-4	156P	156.1	py-cp vein, 15cm wide	0	0				0	Δ	Δ						Δ
		279P	279.1	py-cp veinlets	0	0				Δ								
		81P		disseminated & layered cp-py	0	0				Δ								Δ
		96P		cp-py veinlets	Δ	0				Δ								
Umm ad Damar	MIDUE	236P	236.1	cp veinlets, 15cm wide	Δ	0								-				Δ
Damar North	MJSU-5	271P	271.2	massive py	0	0				Δ								
		273P	273.1	layered py-cp-sph	Δ	0				0								0
		329P	329.6	cp veinlets, 1.5m wide	0	Ø						Δ						Δ
4/6 Gossan	MJSU-6	135P		thinly banded breccia ore consisting of sph-py-cp	Δ	Δ	Δ	Δ		0	Δ		Δ					
		60P		cp-qtz vein, 20cm <del>wide</del>	Δ	0			Δ	Δ								
ortheast of 4/6	MJSU-7	63P		cp-qtz veinlets, 1-2cm wide	0	Ø				Δ		Δ			Δ			Δ
Gossan		76P	76.6	cp-qtz veinlets, 15cm wide	0	Δ				Δ		Δ						Δ
		<b>73</b> P1	73 3	py-cp massive ore fragment, 4×4cm	0	0				Δ		Δ						
Jabal Sujarah	MJSU-8	73P2	735	sph massive ore fragment, 7×7cm	0	0				Ø								
		83P ·		py-cp massive ore	0	Δ												Δ

Appendix 1-31	1 Results of Microscopic Observation of Polished Section	ons (Core Samples)
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©abundant, Ocommon, ∆small

Localities (Dr	rill Hoie No.)	Sample No.	Depth(m)	Rock Name	Quartz	Calcite	Chlorite	Sericite	Plagioclase	Pyrite	Chalcopyrite
		98X	98.6	Rhyodacitic lapilli tuff	0		Δ	0	0		
		11 <b>7X</b>	117.4	Basaltic tuff	0	0	0		Δ		
4/6 Gossan	MJSU-2	125X	125.7	Rhyodacitic lapilli tuff	Δ		0			0	
4/0 00858/1	MJ30-2	1 <b>29X</b>	129.0	Rhyodacitic lapilli tuff	0		Δ	Δ			
		142X	142.2	Rhyodacitic tuff	0		0				
		144X	144.7	Rhyodacitic tuff	0		Δ	Δ	Δ		
		211X	211.5	Porphyritic dacite	0		0	Δ			
Umm ad Damar	MJSU-3	217X	217.5	Rhyodacitic coarse tuff	0		Δ	Δ			
North		224X	224.5	hvodacitic?	0		Δ		Δ		
		56X	56.3	Strongly silicified rhyodacitic? rock	0	Δ	0	0		Δ	
		61X	61.5	Silicified rhyodacitic rock	0	Δ		0			
Umm ad Damar		131X	131.6	Rhyodacitic coarse tuff	0	0	0	Δ			
North	MJSU-4	138X	138.0	Dacitic coarse tuff	0	Δ	0	0			
		14 <b>3</b> X	143.1	Chloritized part	0	Δ	0	0		Δ	
		145X	145.3	Dacitic coarse tuff	0	Δ	0	0		0	
		285X	285.8	Pyritized part	0	Δ	0	0		0	
		79X	79.6	Strongly chloritized part	0	0	0	0		Δ	
		96X	96.3	Strongly chloritized part	0	0	0				
		236X	236.1	Chloritized part	0		0			Δ	0
Umm ad Damar	MJSU-5	246X	246.6	Chloritized part			0			Δ	
North	MD-50-5	270X	270.6	Chlorite & siliceous layer in thinly banded pyrite ore	0	Δ	0	Δ			
}		274X	274.3	Chlorite & siliceous layer in banded pyrite ore	Δ		0			Δ	Δ
		331X	331.1	Strongly chloritized part			0				Δ
northeast of 4/6 Gossan	MJSU-6	134X		Qtz-vein in graphite	٢		0	Δ			
		41X	41.7	Brecciated silicified rock, rhyodacitic tuff?	٢	0		0			
Jabal Sujarah	MJSU-8	74X	74.6	Clayey fine tuff 💦	Δ		Δ	0		0	
-		141X	141.8	Pumiceous volcanic breccia	0		Δ	Δ		Δ	
		184X	184.9	Pumiceous lapilli tuff			Δ	0		0	

# Appendix 1-32 Results of X-ray Diffraction Analysis (Core Samples)

Samples)
Outcrop
and
(Core
Assay
Ore
Results of
Appendix 2-1

Drill Hole	Sample	Del	Depth	Width	٩n	Ag	υ	Zu	94 4	S	9 L
No.	No.	(m)	(	(m)	(g/t)	(g/t)	(%)	(%)	R	(%)	(%)
	-	105.95	107.95	2.00	0:30	21.2	1.88	0.05	0.00	4.98	3
	2	107.95	109.95	2.00	0.35	26.8	2.37	0.07	0.00	6.98	1
UAD-4	3	109.95	112.05	2.10	0.36	20.8	1.67	0.56	0.00	8.75	
	4	112.05	114.05	2.00	1.00	38.4	3.56	3.60	0.00	15.50	4
	5	114.05	115.00	0.95	1.44	40.8	4.06	1.96	0.00	8.25	E
K0013101	3101	4/6 Gossan Prospect	Prospect		<0.05	<1.0	0.01	0.01	0.01	ı	31.09
K002	K0020503	B-12 Charge	B-12 Chargeability Anomaly	ıly	<0.05	3.2	0.04	0.02	0.11	ſ	2.30
K0020603	0603	O-21 Chargeability Ano	ability Anomaly	ylı	<0.05	1.8	0.09	0.01	0.00	ŧ	14.91
K0020604	0604	0-21 charge	0-21 chargeability Anomaly	y <sup>l</sup>	<0.05	<1.0	0.06	0.02	0.00	B	19.77
K0021401	1401	West of J-16	West of J-18 Chargeability Anomaly	y Anomaly	<0.05	<1.0	0.02	0.01	0.00	9	14.44
K0021402	1402	West of J-16	West of J-18 Chargeability Anomaly	y Anomaly	0.08	6.2	0.02	0.01	0.00	I	8.86
K0021403	1403	West of J-18	West of J-18 Chargeability Anomaly	y Anomaly	<0.05	<1.0	0.02	0.01	0.00	ı	8.33
K0021404	1404	4/6 Gossan Prospect	Prospect		0.05	1,4	0.01	0.01	0.01	4	3.31

Sample S	Symbol	Locality	Rock type	Texture		Pher	locrys	sts or	Phenocrysts or fragmnets	nets				Gro	mbnu	ass 0	Groundmass or matrix	XiX			Me	Metamorphic or alteration	phic (	or alt	eratio	E
No.					МР	clp	h d	q z p	pl Kf	f op	others	* MP	clp	qų	zb	٦		Kf 6	op <sup>oth</sup>	others Epi	pi chl	amp	ser	tit	ę	others
KONDAFAF		B-12	Rhyodacite glomero-	glomero-				<b>.</b>	*						0	0		$\left  - \right $		0	<b>V</b>		*		Δ	
000000	-	Anomaly	weakly meta	weakly meta porphyritic Feldspars	Feldsp	are	nodera	tely alt	ered to	epidate	moderately altered to epidote and carbonate.	arbona		e micr	ofractu	ires arc	filled r	mainly	by qua.	rtz and	Late microfractures are filled mainly by quartz and minor epidote, chlorite and carbonate.	spidote,	chlori	ite and	carbon	nate.
KUNDAEND	446	B-12	Rhyodacite porphyritic	porphyritic				7 *	* \						0	*			*	0	0				0	
20002004		Anomaly	weakly meta		Rock is		affected by		opyliti	c alte	propylitic alteration where feldspars	wher	e feld	spara	are	most	mostly altered to	red tu	) epid	ote a	epidote and carbonate.	bonat	e.			
		B-12	Dacite	porphyritic				0 ▼	0	*					0	⊲	\$			0	0		*		0	
	•	Anomaly	weakiy meta		Feldspan	idspars are moderately altered to epidote, carbonate and chlorite. Glassy material is mostly altered to chlorite. Late fractures are filled by	derately	altered	ta epidc	ıte, carb	onate al	nd chlori	ite. Glas	ay mat	ariai is n	rostly al	tered to	chlorit	v. Late f	racture.	s are fille	d by que	urtz, cau	rbonate	quartz, carbonate, and spidote.	idote.
KOD34106	۰, ۲	Southeast	Rhyodacite glomero-	glomero-			-	0	0						0	0			*	*	⊲				⊲	
		of J-18	weakly meta	weakly meta porphyritic		Matrix is weakly chloritized and carbonatized.	chlorit	ized an	d carbo.	natized.		mate fo	rms pal	tchy all	teration	. Local	y mild ir	ron sta	ining alt	ang mic	Carbonate forms patchy alteration. Locally mild iron staining along microfracture is	tre is du	ie to o	xidatio	due to oxidation of sulfides.	ides.
		Southeast	Rhyodacite porphyritic	porphyritic			-	0	*						0	⊲			*		0		*		⊲	
00412000	_	of J-18	weakly meta		Weekly (	Weakly schistosed, some quartz phenocrysts show	d, some	quartz	phenoci	rysts sh	ow rotat	rotational effect and	fect and	pressu	rre shad	lows. La	te micro	ufractur.	es paral	lei to st	pressure shadows. Late microfractures parallel to shear plane are filled by quartz and carbonate.	e are fill	ed by q	uertz e	nd carbo	onate.
K001 2001	H PV	East of 4/6	Dacite	glomero-					* 0						0	⊲			*	*	© 				⊲	
10001000	2	Gossan	weakly meta	porphyritic	Feldsp	Feldspars phenocrysts are mostly altered to carbonate, chlorite and epidote.	ocrysta	s are m	lostly a.	Itered t	o carbo	onate, c	shlorite	ande	pidote.	Matrix	is mod	ieratel	y chlori	tized.	Matrix is moderately chloritized. Late microfractures filled	srofract	iures fi	illed w	with carbonate.	onate.
CUBUCUUN	<u>م</u> ۔	South	Rhyodacite glomero-	glomero-				<b>∇</b>	*	*					0	⊲				*	0		*		⊲	goe *
		of J-18	weakly meta	weakly meta porphyritic Qz phenocrysts rimmed by slikce. Feldspars phenocrysts are altered to cb.	Qz pher	tocrysts	rimmed	by slik	a. Felds	ipers ph	enocrys	sts are (	altered	to cb, c	shi, & el	oi. Two	types ch	b noted	(iron-r	ich & Ir	chi, & epi. Two types cb noted (iron-rich & iron-poor). Matrix is moderately chloritized	). Matrix	is mod	deratel	y chloriti	ized.
	; rv	South	Andesite	porphyritic					0						⊲	0			*	*	0				⊲	
10671004		of J-18	weakly meta	& vesicular	Andes	ndesite or	dacite.		fics to	otally	Mafics totally altered to ch	d to c	-/+ lực	- epi.		vgdule	Amygdules (?) filled with chl,	filled	with	chl, cb,	epi	& qz.				
K0013009	L A	East of 4/6 Andesite	Andesite	porphyritic					0							0	$\hat{\mathbf{x}}$		*	4	0				⊲	
2000-0001	2	Gossan	weakly meta	& vesicular	Basalt	asaltic andesite.	lesite		Mafics totally		altered	d to chl,	hl, epi,	ంర	cb. An	nygdr	Amygdules filled with chl	led v	ith ch	låk qz.	<b>N</b>					
K0091405	5	South of	Andesite	intersertal												0		Ē	0	0	0				⊲	
	2	J-18	weakiy meta	& vesicular	Mafics totally altered to chl +/- spi. Plagioclase mostly altered to spi, chl & cb. Locally amygdules filled with chl, epi, cb & qz.	otally alt	ared to	-/+ lha	epi. Pla	gioclase	mostly	altered	to epi, c	ihl & ch	, Local	ly emyg	lules fille	9d with	chi, epi.	cb & q	t. Micro	Microfractures with epi, cb and qz fillinga.	s with e	api, cb i	and qz fii	llings.

Abbrev. MP=pseudomorphs of mafic minerals, cpx=clinopyroxene, pl≃plagioclase, op≕opaque minerals, qz=quartz, hb=hornblend, Kf=K-feldspar, epi≕epidote, gl=glass or microcrystalline aggreagte, amp=green amphibole, cb=carbonate, ser=sericite, tit=titanite, apa=apatite, cly=clay minerals.

<> shows totally decomposed

© abundant O common ∆ small

\* rare

Appendix 2-3 Results of Microscopic Observation of Polished Sections (Outcrop and Core Samples)

əsstanA					4					<u> </u>
Geothite					⊲	4	٩	4	0	4
Hematite										
etitengeM		4	⊲	٩						
Pyrrhotite					⊲	4			1	
Naumannite (Ag <sub>S3</sub> Be)										
essite (ersite)										
Altaite (9Td9)										
Clausthalite (PbSe)										
ensleb										
Sphalerite	4	0	0	0	⊲	⊲	4			
Tetrahedrite						<b>.</b> *				
Chalcocite										
Sovellite			4		Þ	٩	٩			
Chalcopyrite	٩	0	0	Ø	Ø	0	0	0		⊲
Pyrite	Ø	Ø	Ø	0	0	0	Ø	Ø		
Rock Name	108.1 Py-cp-qtz vein	111.5 Py-cp-qtz vein	112.2 Disseminated sp-py ore	112.6 Disseminated sph-cp-py ore	99.1 Cp-py stringers	104.7 Cp-py stringers, dissemination	111.1 Cp-py stringers	243.6 Cp-py stringers, dissemination	Siliceous Fe-oxides	Quartz vein? with Cu- oxides
Depth (m)	108.1	111.5	112.2	112.6	99.1	104.7	111.1	243.6		
Sample No.	108P	111P	112P1	112P2	<b>466</b>	104P	111P	243P	K0013101	K0022403
Localities						9-UA11			South of 4/6 Gossan K0013101	
		Umm ad Damar	South			Umm ad Damar	North		South of 4	Northeast of M-27 Anomaly

©abundant, Ocommon, ∆small

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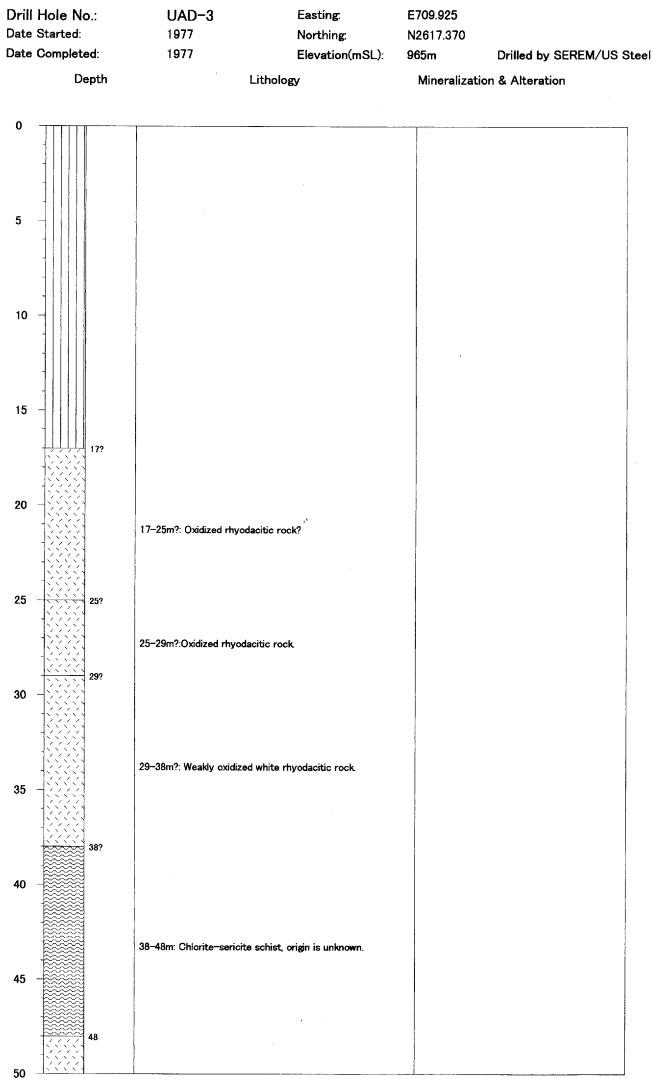
Appendix 2-4 Results of X-ray Diffraction Analysis (Outcrop and Core Samples)

Hematite		l		4	4		4			
Chalcopyrite	4									
Pyrite	4	4								
၂အ၊င	0					1				
Epidote			0							
Plagioclase										
Sericite				4		4			4	Δ
Chlorite	٩	4	⊲			4			⊲	4
Calcite	0	0	⊲			4				
Tremolite			0							
Guartz	4	0	⊲	0	0	0	0	Ø	0	Ø
Rock Name	112.9 Chloritized rock	114.5 Chloritized rock	Strongly epidotized andesitic rock	Silicified dacitic rock with hematite	Silicified and clayey dacitic rock with hematite	Carbonatized rhyodacitic rock	Ferruginous rhyodacitic rock	Silicified rock with hematite, jasper?	Strongly silicified dacitic rock with hematite	Rhyodacitic rock with hematite
Depth(m)	112.9	114.5						•		
Sample No.	112X	114X	K0020801	K0021402	K0021403	K0020602	K0020601	K0020504	K0022401	K0022408
Localities (Drill Hole No.)	Umm ad	Damar South 040-4	West of Umm ad Damar South Prospect	West of J-18 Anomaly	West of J-18 Anomaly	North of MJSU-7	Northeast of MJSU-7	North of Jabal Sujarah	North of M-27 Anomaly	J-18 Anomaly

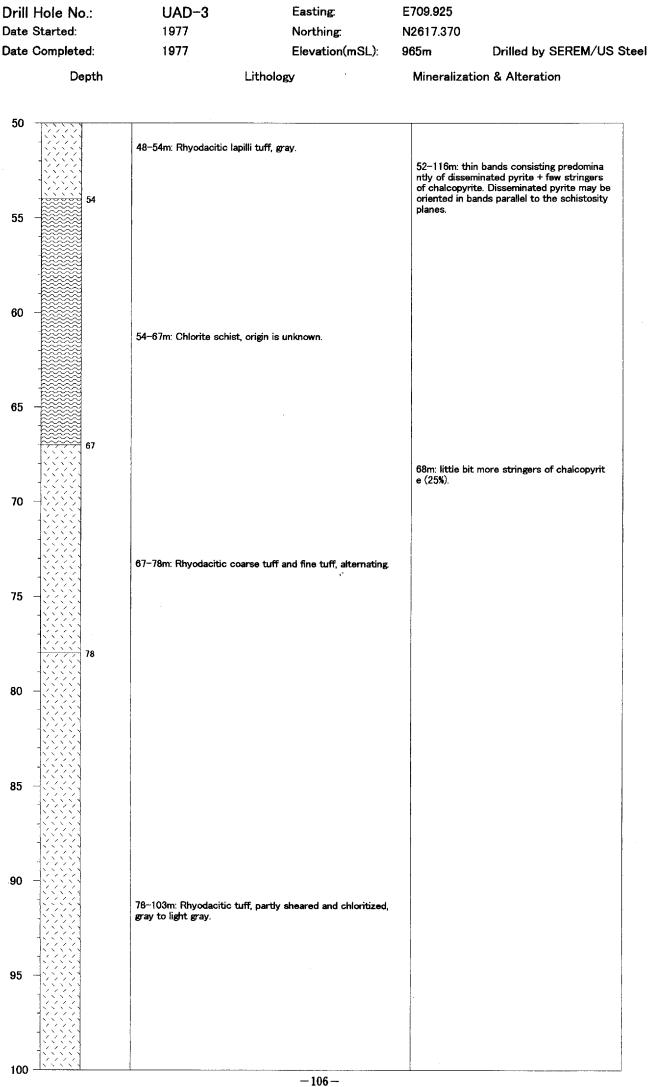
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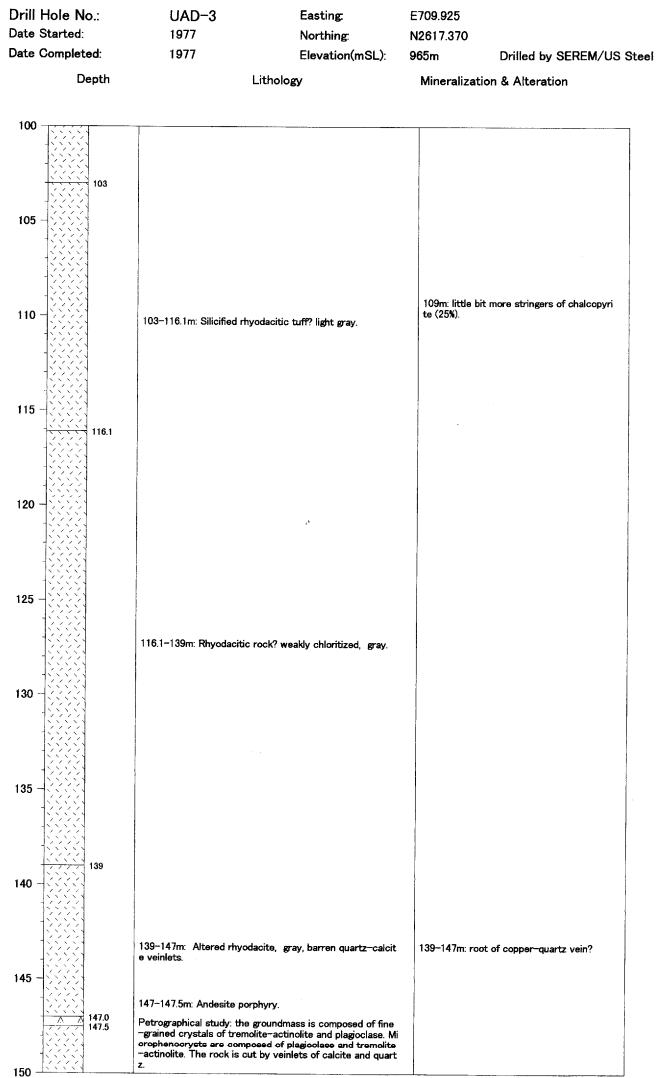
Appendix 2-5 Geological Logs of UAD-3, UAD-4, UAD-6 and UAD-10

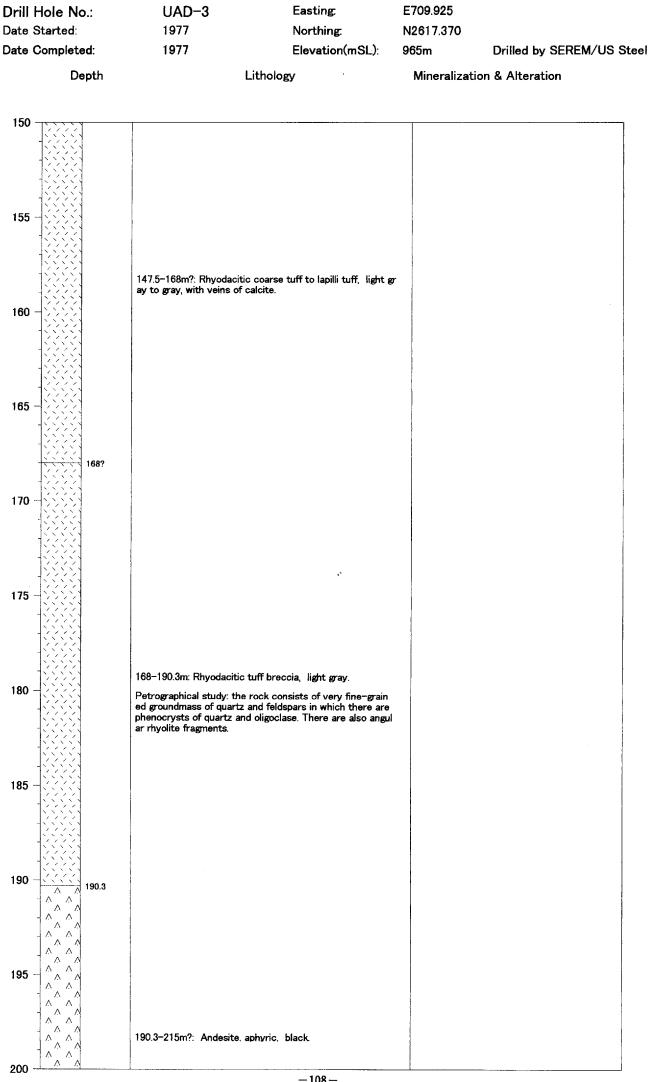
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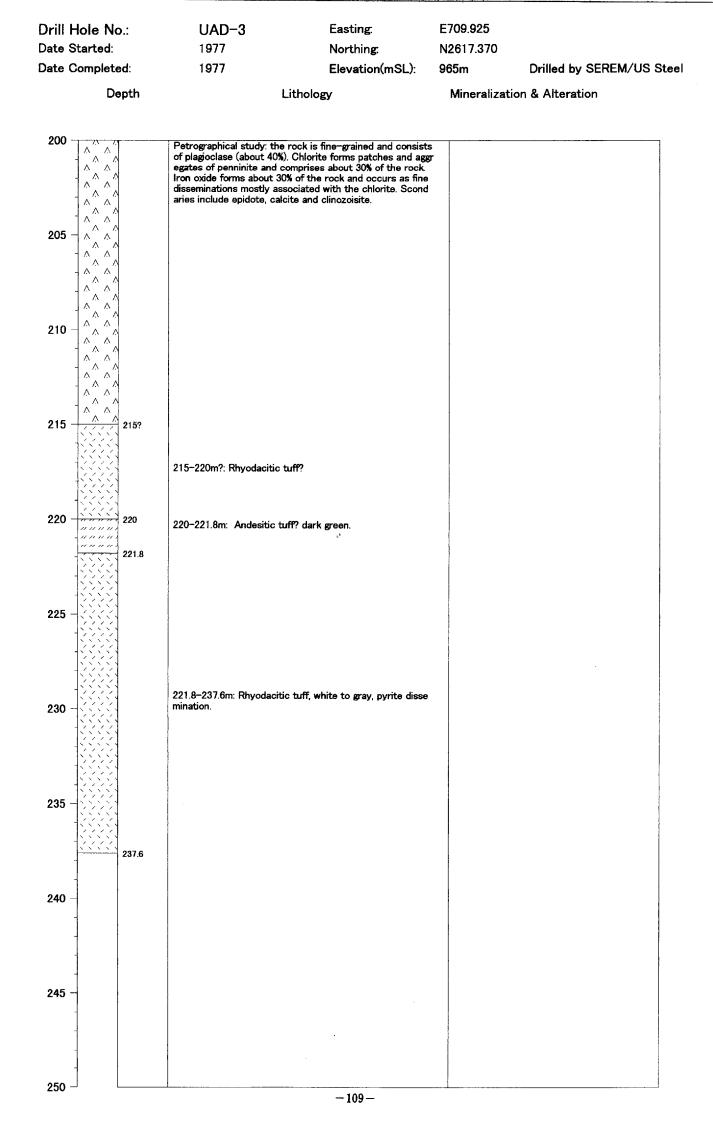
-105 -

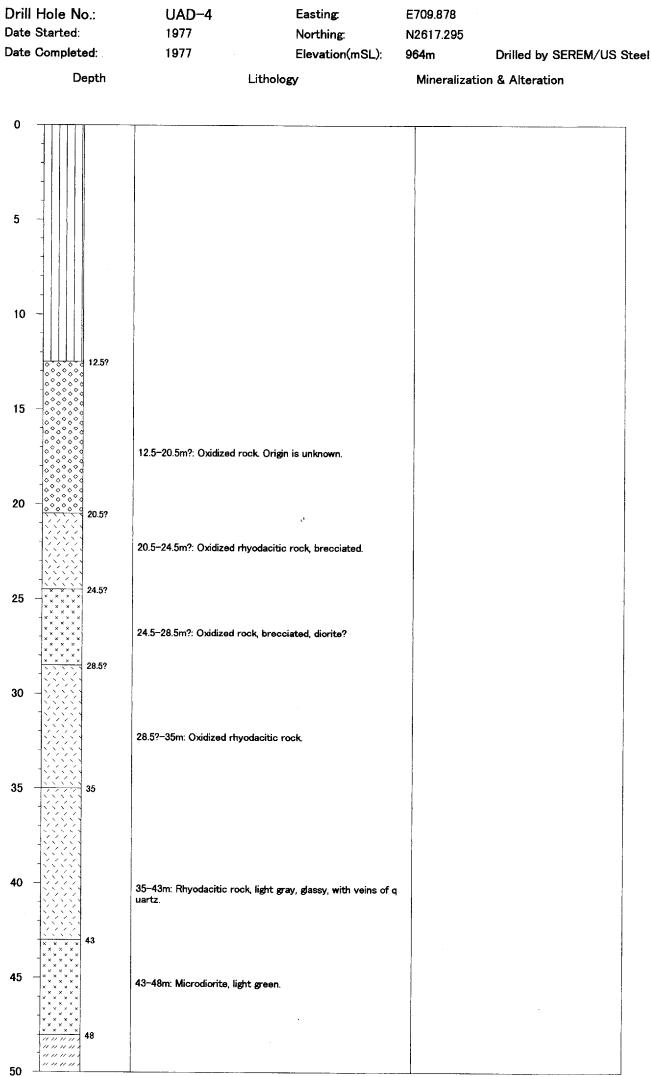






-108-



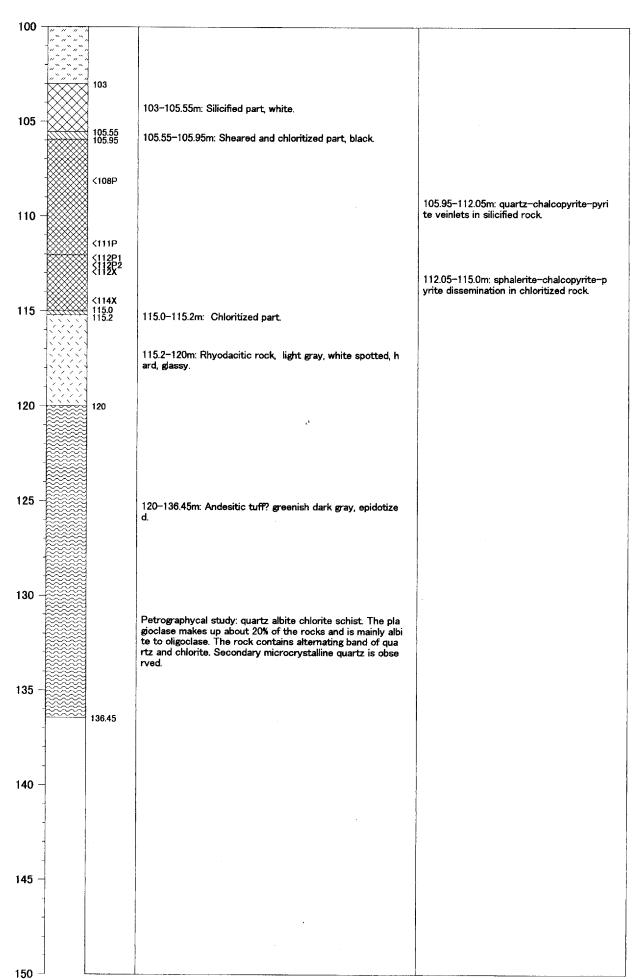


-111 -

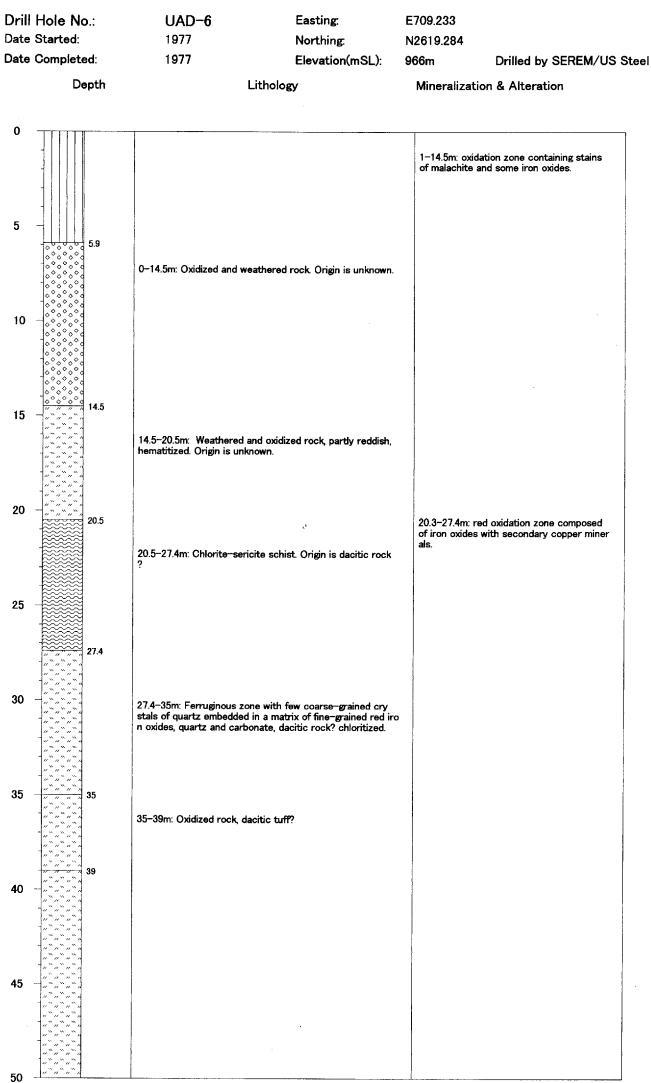
Drill Hole No.: Date Started:	UAD-4 1977	Easting: Northing:	E709.878 N2617.295	
Date Completed:	1977	Elevation(mSL):	964m	Drilled by SEREM/US Steel
Depth	Li	thology	Mineralizatio	n & Alteration

0			
		48-75m: Andesitic tuff, greenish gray.	
	11 11 11 11		
	11 11 11 11 1	Petrographycal study the rock shows development of fine	
		-grained chlorite, sericite, epidote and tremolite-actinolite	
	11 11 11 11	. There are fragments composed mostly of glassy material.	
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	[7777]	75-81.5m: Rhyodacitic? rock, white to light gray, traversed	
	1////	by numerous quartz veins.	
-	1))))		
	81.5		
	, ~ ~ ~ ~ <b>01.3</b>		
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	11 11 11 11		
-	11 11 11 11	81.5-90.7m: Dacitic? tuff, greenish gray.	
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	- <i>" " " "</i>		
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-	90.7		
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-	90.7		
-	90.7		
-	90.7		
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-	90.7		
	90.7		
	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
-	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	
-	90.7	90.7–103m: Dacitic? tuff, gray, weakly chloritized.	

Drill Hole No.:	UAD-4	Easting.	E709.878	
Date Started:	1977	Northing:	N2617.295	
Date Completed:	1977	Elevation(mSL):	964m	Drilled by SEREM/US Steel
Depth		Lithology	Mineralizat	ion & Alteration



-113-



Date Started: Date Completed:	1977 1977	Northing: Elevation(mSL):	N2619.284 966m	Drilled by SEREM/US Steel
Date Completed.	1977	Lievadon(mSL).	300m	Drilled by SEREN/ 00 Steer
Depth		Lithology	Minaralizatio	n & Alteration

- 0				
50 -			39-64m: Chloritized and brecciated dacitic rock, green, pa	
	-"`"`"`"		rtly hematitized	
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70 -			64–76m: Moderately chloritized, dacitic rock, greenish gra	
	<i>""""""""</i> ""		y, brecciated, with quartz veins.	
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	<i>"</i> ,",",","			
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	//``/``/``/ - ```````		, <sup>1</sup>	
15	""""""" """"""			
15 -	""""""" """"""			
		6		
	- V V V V V - V V V V V V - V V V V V V			
30 -				80–99.2m: local concentration of pyrite an
	- V V V V V - V V V V V			80–99.2m: local concentration of pyrite an d chalcopyrite with some secondary carbo
_	<u> </u>			nates (calcite). The mineralization is of the stringer type and contains minor amount of
-	***** ****			magnetite.
-	- V V V V V V V V V V			
	V V V V V V V V V V			
5 -	*****			
•	<u> </u>		76-98m: Porphyritic dacite.	
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	<u> </u>			
	<u><u>v</u>vvvv</u> <u>v</u> vvvv			-
-	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>			
-	- V V V V V V V V V V			
5 –	<u>vvvvv</u>			
•				
-	V V V V V V V V V V			
	V V V V   V V V V V			
-	<u><u>v</u>vvvv</u>	8.0	98-100m: Chloritized rock.	09-100m interval for all and a for
				98-100m: interval for chemical analysis. py rite-chalcopyrite dissemination and veinlet
-	- MXXXXXX			
- 00	MAXXXXX -	99P 00.0		S.

Drill Hole No.:	UAD-6	Easting:	E709.233	
Date Started:	1977	Northing:	N2619.284	
Date Completed:	1977	Elevation(mSL)	966m	Drilled by SEREM/US Steel
Depth		Lithology	Mineralizatio	n & Alteration

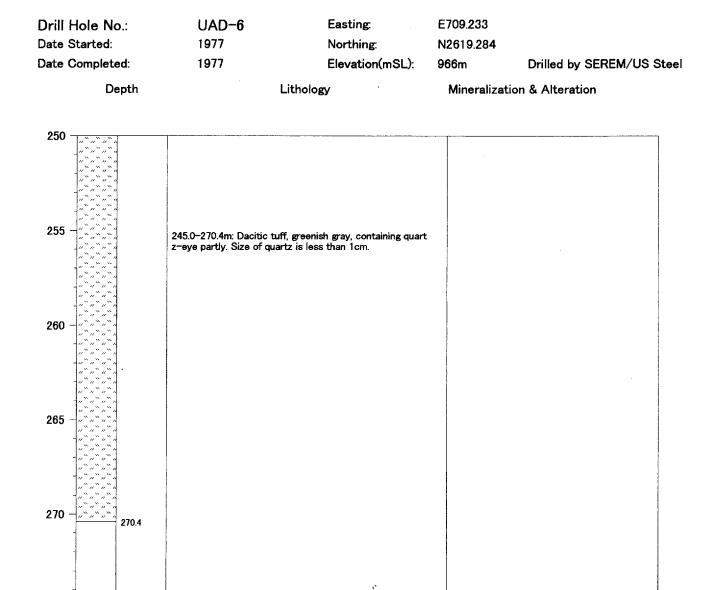
100				
100 -	V V V V V		100-104m: Porphyritic dacite? greenish gray.	
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		1 <b>1 1 1</b>		
105 -		4		
		\$		
		)	104-113m: Altered zone composed mainly of chlorite and	
		3	quartz.	
		\$		
				104–113m: interval for chemical analysis, p
		<< r>< < k903030		vrite-chalcopyrite dissemination and veinle
110 -		1(109.1m)		ts.
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		<111P		
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	+*****	113		
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	<b>vvvvv</b>			
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120 -	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	}		
120 -	****		113-130m: Porphyritic dacite, greenish gray, size of plagio	
	<sup>1</sup>		clase 2-5mm. Maific minerals are chloritized.	
	<u> </u>			
	] • • • • • •			
	<sup>†</sup> <sup>†</sup> <sup>†</sup> <sup>†</sup> <sup>†</sup> <sup>†</sup> <sup>†</sup>			
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	<u><u>v</u>vvvv</u>			
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120	****	400		
130 -	V V V V V	130	130–135m: Porphyritic dacite, size of plagioclase 2–5mm,	
	- v v v v v v	[	partly contains quartz-eye.	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Petrograhical study: meta-dacite porphyry composed of c	
			hlorite and sericite, and small crystal of plagioclase. There	
	V V V V V V V V V V		are phenocrysts of plagioclase and quartz. The phenocryst	
-	V V V V V		s of plagioclase are partly altered to sericite. The size of p henocrysts may reach up to 1mm in diameter.	
135 -		135	nencerysts may reach up to imm in diameter.	
-				
-	V V V V V			
-			105 140 0 D V	
	VVVVV		135–142.3m: Dacite, greenish gray.	
	*****			
	VVVVV			
140 -				
	VVVVV			
-		142.3		
-	*****			142.3-186m: local dissemination of pyrite (
	v v v v v			50%).
-	*****			
	V V V V V			
145			142.3–152.53m: Dacite, greenish gray, quartz~eye. Size of quartz is 5–8mm in diameter.	
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145 -	] v v v v v [			
145 -				
145 -				
145 - - -				
145 - -				
145 - - 150				

rill Hole No	o.:	UAD-6	Easti		E709.233	
te Started:		1977	North	-	N2619.284	
ate Complete	ed:	1977	Eleva	tion(mSL):	966m	Drilled by SEREM/US Ste
De	epth	Li	ithology		Mineralizatio	on & Alteration
150						
<u></u>	152.53					
v v v v v   v v v v v	1					
- v v v v v						
- V V V V V V V V V V						
- V V V V V - V V V V V						
		152.53-197.1m: Porphyritic	; quartz∽eye da	cite, lava? gree		
- V V V V V V V V V		nish gray.				
v v v v v   v v v v v			undur Darah !	magaad of for a	.	
		<ul> <li>Previous petrographical st rained quartz and feldspars</li> </ul>	s that are partly	to completely a	lt	
		ered to clay minerals, main	ly sericite. The	fragments obser	-	
<u> </u> v v v v v		que iron oxides, and pyrite		epidote and opa		
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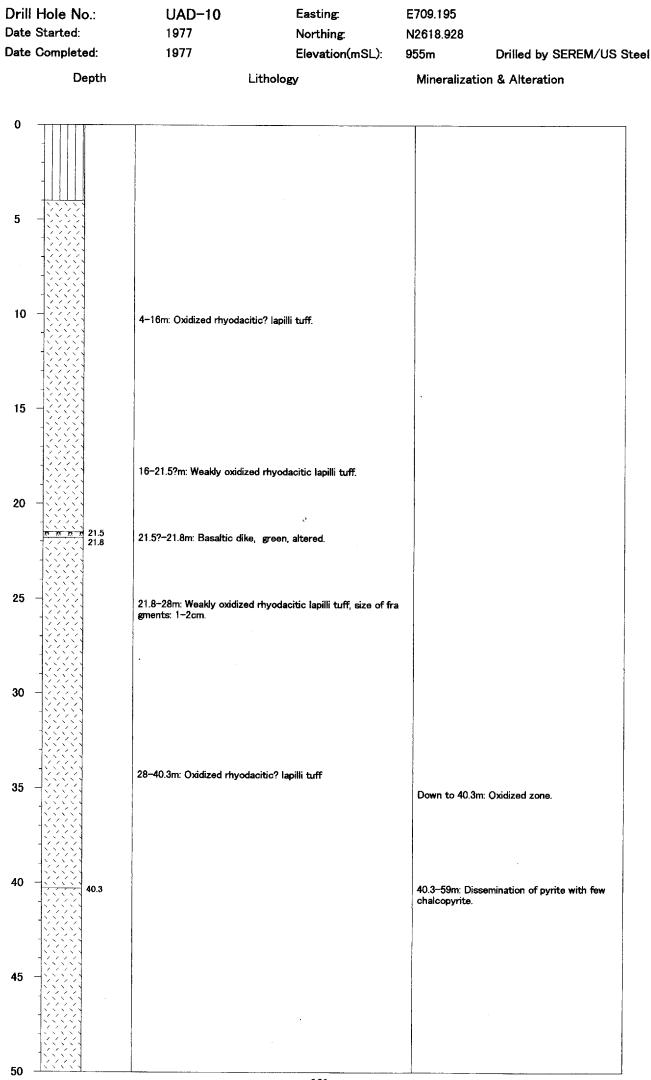
-118-

Depth		Lithology	Mineralizatio	n & Alteration
Date Completed:	1977	Elevation(mSL):	966m	Drilled by SEREM/US Steel
Date Started:	1 <b>977</b>	Northing:	N2619.284	
Drill Hole No.:	UAD-6	Easting:	E709.233	

ю -	V V V V V		197.1-212.54m: Porphyritic dacite, greenish gray, chloritiz ed and epidotized. Size of plagioclase is 2-8mm in diameter	
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20 -		1	212.54–227.70m: Dacite? greenish gray.	
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	<i>"""""""</i> ""	227.70		
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<b>u</b> –	""""""""""""""""""""""""""""""""""""""		227.70-237.05m: Dacitic tuff, greenish gray, chloritized, c	
-			ontaining angular silic fragments (size <1cm).	
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-	innin de la comunita de la comunita de la comunicación de la comunicación de la comunicación de la comunicación	237.05		237.05-239.75m: Interval for chemical anal
-	UIIIIA			ysis.
			237.05-239.75m: Chloritized part.	-
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0		239.75	220 75 040 05 ·· D. 111 · · ·	
	<i>"""""</i> ""		239.75-242.35m: Dacitic tuff.	
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-		040.05		
	UIIIII	242.35		
-	<u>UIIIII</u>	<243P	242.35-245.0m: Chloritized part.	242.35-245.0m: Interval for chemical analy
-	(IIIII)	12401		sis. Pyrite-chalcopyrite dissemination and
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-121-

Drill Hole No.:	UAD-10	Easting:	E709.195	
Date Started:	1977	Northing:	N2618.928	
Date Completed:	1977	Elevation(mSL):	955m	Drilled by SEREM/US Steel
Depth		Lithology	Mineralizatio	n & Alteration

