付 帯 資 料

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

MJSU-1				Surve	y Period			Total Man-day	
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker
Operation									
Transportation/Prepare	ration	Sep. 4, 1999-	Sep. 10, 1999	7		6	1	48.0	63.5
Drilling		Sep. 11, 1999	Sep. 26, 1999	16	1	4	2	68.0	69.5
Dismantling		Sep. 26, 19	99						
Total				23	2	20	3	116.0	133.0
Drilling Length		(m)		(m)	Core Recov	very of 100m	Hole		
Length Planned		250.00	Overburden	0.00	Depth of He	ole	Core	Cumulative	Core
Increase/Decrea	se	1.60	Core Length	251.20			Recovery	Recovery	
in Length					(m)	(%)	l o	6)
Length Drilled		251.60	Core	99.84	0.00 to 100	0.00	99.60	99.	60
			Recovery(%)		100.00 to 2	200.00	100.00	99.	B0
Working Hours		(h)	(%)	(%)	200.00 to 2	251.40	100.00	99.	B4
Drilling		154.5	71.5	58.5					
Other Work		60.5	28.0	22.9					
Recovering		1.0	0.5	0.4	Efficiently of	of Drilling			
Subtotal		216.0	100.0	81.8	Total Lengt	h/	m	day	m/day
Preparation		16.0		6.1	D	rilling Period	251.60	16.0	15.73
Dismantlement				0.0	Total Lengt	h/	m	shift	m/shift
Transportation		32.0		12.1	Total D	rilling Shifts	251.60	27.0	9.32
Grand Total		264.0		100.0	Drilling Len	gth/Each Bit	(m)	<u></u>	
Casing Pipe Insert	ed				Bit Size	Drilling	Length	Core Length	
Size Mete	rage	Meterage/D	rilling Length	Recovery	ery PQ 11.90		11.4	50	
(m)	× 10	00(%)	(%)	HQ 20.85		20.85		
HW	11.9	4.	7	100.0	NQ	218	.85	218.	85
NW	32.8	13	.0	100.0	"				

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

	Drilling	Length		Daily	Total		SI	nift	Man W	orking
Date	Shift 1	Shift 2	Dri	lling	C	ore	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Sep.	4 Transportat	ion						1	9.0	12.0
5	Transportat	ion						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				. *					
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
Total				251.60		251.20	27	33	116.0	133.0

Day off 20 **Drilling Progress** Day off September 10 11 Transportation and Preparation 32.75 MM MH 11.90 Bit/Casing Method 251.60 PQ HQ NQ 32.75 11.90 Drilling Min/Meter Drilling Progress of MJSU-1 으. Rhyodacitic tuff brecci a Silicified rock Rhyodacitic tuff Basatt-dolente dike Rhyodactic lapilli tuff Alternation of siltston e & tuff Rhyodacitic lapilli tuff-tuff Rhyodacitic tuff-lapilli tuff Rhyodacitic tuff-lapilli tuff Rhyodacitic lapilli tuff Rhyodacitic lapilli tuff Rhyodacitic lapilli tuff Rhyodacitic lapilli tuff Lithology Rhyodacitic tuff Rhyodacitic tuff Silicified rock Silicified rock רייי| Rhyodacite Rhyodacite Appendix 1-3 LogDepth Œ - 100 - 200

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

MJ	SU-2			Surve	/ Period			Total M	lan-day
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker
Operation									
Preparation	on	Sep. 9, 1999-	Sep. 10, 1999	2		1	1	3.0	3.5
Drilling		Sep. 11, 1999	-Sep. 27, 1999	17	1	5	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
Drilling Len	gth	(m)		(m)	Core Recov	very of 100m	Hole		77.000
Length Pl	anned	250.00	Overburden	0.00	Depth of Ho	ole	Core	Cumulative	Core
increase/	Decrease	0.00	Core Length	250.00	1		Recovery	Recovery	
in Length					(m)	(%)	a	6)
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			
Subtotal		232.1	100.0	96.7	Total Lengt	h/	m	day	m/day
Preparation	n	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	Orilling Shifts	250.00	29.0	8.62
Grand To	otal	240.1		100.0	Drilling Leng	th/Each Bit	(m)		
Casing Pipe	Inserted				Bit Size Drilling Length Core Len		ength.		
Size	Meterage	Meterage/D	rilling Length	Recovery	ry PQ 14.90 14.90		90		
	(m)	× 10	00(%)	(%)	HQ 24.90 24.		90		
HW	14.9	6.	0	100.0	NQ	210	.20	210.	20
NW	39.8	15	.e (100.0	.1				

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

	Drilling	g Length		Drilling	g Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dri	ling	Co	re	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 <i>.</i> 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

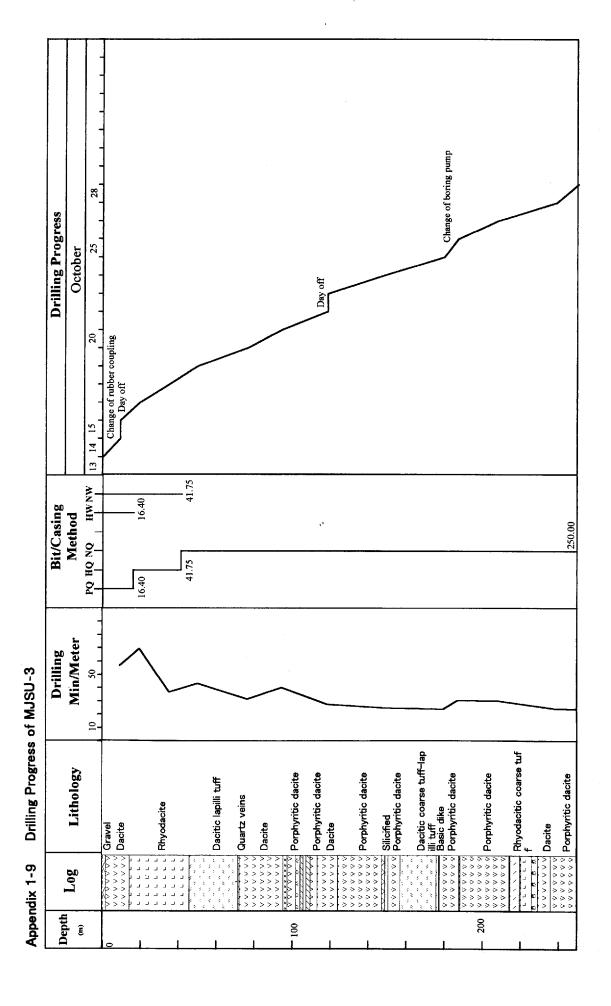
Change of rubber coupling Day off 22 Drilling Progress September Day off 15 39.80 HW NW 14.90 Bit/Casing
Method 250.00 39.80 8. Drilling Min/Meter Drilling Progress of MJSU-2 2 Alternation of ore and shale Ore Rhyodacitic tuff-tuff b Rhyodacitic tuff brecci a Rhyodacitic lapilli tuff-tuff breccia Rhyodacitic lapilli tuff-tuff breccia Rhyodacitic laplli tuff Alternation of congo merate & siltstone Lithology AAAAAAAA Basait dike Basaltic tuff ******* Basalt dike Appendix 1-6 L_{0g} Depth - 200 Ê 20

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

MJ	SU-3			Surve	y Period			Total M	lan-day
		Pe	riod	Day	Worl	k Day	Off Day	Engineer	Worker
Operation									
Preparati	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	2.5	2.0	65.0	65.0
Dismantli	ng	Oct. 28, 199	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 Ho	ole	Соге	Cumulative (Core
Increase/	Decrease	0.00	Core Length	250,00	1		Recovery	Recovery	
in Length					0	m)	(%)	a	0
Length Dri	lled	250.00	Core	100.00	0.00 to 100	0.00	100.00	100	.00
			Recovery(%)		100.00 to 2	00.00	100.00	100	.00
Working Ho	urs	(h)	(%)	(%)	200.00 to 2	50.00	100.00	100	.00
Drilling		134.0	61.2	59.8					
Other Wo	rk	61.2	27.9	27.3					
Recoverir	g	23.8	10.9	10.6	Efficiently o	f Drilling	***************************************	*****	
Subtotal		219.0	100.0	97.8	Total Lengt	h/	m	day	m/day
Preparation	on .	5.0		2.2	D	rilling Period	250.00	14.5	17,24
Dismantle	ment			0.0	Total Lengti	h/	m	shift	m/shift
Transports	ition	0.0		0.0	Total D	Prilling Shifts	250.00	25.0	10.00
Grand T	otal	224.0		100.0	Drilling Leng	th/Each Bit	(m)	·····	
Casing Pipe	inserted				Bit Size Drilling Length		Core L	.ength	
Size	Meterage	Meterage/D	rilling Length	Recovery	y PQ 16.40		16.40		
	(m)	X 10	00%)	(%)	HQ 25.35		25.3	35	
HW	16.4	6.	6	100.0	0.0 NQ 208.25		208.	25	
NW	41.8	16	.7	100.0	··				

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

	Drilling	Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dril	ling	Co	ге	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
Total				250.00		250.00	25	28	70.0	70.0



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

MJ:	SU-4			Surve	/ Period			Total M	an-day
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker
Operation									
Preparation	on	Sep. 27	-	0.0	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	ıg	Oct. 13, 199	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		
Length Pla	anned	250.00	Overburden	0.00	Depth of Ho	ole	Core	Cumulative (Core
Increase/	Decrease	54.25	Core Length	302.85	1		Recovery	Recovery	
in Length					(m)	(%)	(X)
Length Dri	lled	304.25	Core	99.54	0.00 to 100	0.00	98.60	98.0	50
			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	304,25	100.00	99.	54
Other Wor	łk	62,1	26.4	25.9					
Recoverin	g	4.9	2.1	2.0	Efficiently o	f Drilling			
Subtotal		235.3	100.0	98.0	Total Lengt	h/	m	day	m/day
Preparatio	n	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	tion	0.0		0.0	Total D	Orilling Shifts	304.25	30.0	10.14
Grand To	otal	240.1		100.0	Drilling Lens	gth/Each Bit	(m)		
Casing Pipe	Inserted				Bit Size	Drilling	Length	Core Length	
Size	Meterage	Meterage/D	rilling Length	Recovery	y PQ 13.40		13.40		
	(m)	×10	00(%)	(%)	HQ 28.40		27.0)0	
HW	13.4	4.	4	100.0	00.0 NQ 262.45 262.45			45	
NW	41.8	13	.7	100.0	e ³				

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

	Drilling	Length		Daily	Total		Sh	nift	Man V	orking
Date	Shift 1	Shift 2	Dril	ling	C	re	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	17.00	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 .0 5	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
Total				304,25		302.85	30	30	75.0	75.0

Drilling Progress Day off October Day off September 41.80 HW NW 13.40 Bit/Casing Method 304.25 PQ HQ NQ 41.80 13.40 Drilling Min/Meter Appendix 1-12 Drilling Progress of MJSU-4 Rhyodacitic coarse tuf Flapilli tuff Dacitic lapilli tuff-coar se tuff Rhyodacitic lapilli tuff A Porphyritic andesite Dacitic coarse tuff Chalcopyrite veinlets Dacitic coarse tuff Chalcopyrite veinlets Porphyritic andesite Lithology Andesitic lapilli tuff Dacitic coarse tuff Dacitic lapilli tuff Rhyodacitic tuff Basaltic dike Dolerite dike Diorite Andesite Andesite Diorite V V V V V Dacite Log Depth Ê - 200 8

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

MJ	SU-5			Surve	/ Period			Total M	an-day
		Pe	riod	Day	Worl	k Day	Off Day	Engineer	Worker
Operation									
Preparation	on	Sep. 28, 19	99	0.0	0	.0	0.0	0.0	0.0
Drilling		Sep. 28, 1999	Oct. 12, 1999	15.0	13	3.0	2.0	65.0	65.0
Dismantlir	ng	Oct. 12, 199	39	0.0	0	.0	0.0	0.0	0.0
Total				15.0	13	3.0	2.0	65.0	65.0
Drilling Len	gth	(m)		(m)	Core Recov	very of 100m	Hole	·	
Length Pla	anned	250.00	Overburden	0.00	Depth of Ho	ole	Core	Cumulative (Core
Increase/	Decrease	96.20	Core Length	346.20			Recovery	Recovery	
in Length					0	m)	(%)	l ox)
Length Dri	led	346.20	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 3	300.00	100.00	100.	00
Drilling		160.6	78,9	77.2	200.00 to 3	346.20	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 Lengti	h/	m	shift	m/shift
Transporta	tion	0.0		0.0	Total D	Orilling Shifts	346.20	26.0	13.32
Grand To	otal	208.1		100.0	Drilling Leng	gth/Each Bit	(m)		-
Casing Pipe	Inserted				Bit Size	Drilling	Length	Core L	ength
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ	11.	90	11.90	
	(m)	×10	00%)	(%)	HQ	IQ 26.90 26.90		90	
HW	11.9	3.	4	100.0	NQ	307	.40	307.	40
NW	38.8	11	2	100.0	r _k				

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

	Drilling	Length		Daily	Total		Sh	nift	Man W	orking
Date	Shift 1	Shift 2	Dril	ling	Co	re	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
Total				346.20		346.20	26	26	65.0	65.0

Drilling Progress October Day off Day off September ಜ 38.80 HWNW 11.90 Bit/Casing Method 346.20 PQ BQ NQ 38.80 8 Drilling Min/Meter Appendix 1-15 Drilling Progress of MJSU-5 2 Rhyodactic lapilli tuff
Dacitic tuff
Rhyodactic lapilli tuff
coarse tuff Chalcopyrite veinlets

Rhyodacitic lapili tuff
Rhyodacitic lapilii tuff
Chalcopyrite veinlets Alternation of lapilli tuf f& coarse tuff Dacitic coarse tuff-lap Mainly dacitic fine tuff AXXXX Chalcopyrite veinlets Chalcopyrite veinlets Andesitic lapilli tuff Rhyodacitic lapilli tuff Lithology Basalt-dolerite dike Andesitic lapilli tuff Andesitic lapilli tuff "" Dacitic lapilli tuff Dacitic lapilli tuff Massive sulfide Dolerite dike Dolerite dike Rhyodacite Diorite Diorite Gravel Log Depth £ - 100 - 200

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

MJ	SU-6			Surve	/ Period			Total M	an-day
		Pe	riod	Day	Wor	k Day	Off Day	Engineer	Worker
Operation									
Preparation	nc	Oct. 14, 19	99	0.0	0	1.0	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, 199	99	0.0	0	0.0	0.0	0.0	0.0
Total				13.0	11	1.0	2.0	55.0	55.0
Drilling Len	gth	(m)		(m)	Core Recov	very of 100m	Hole		·····
Length Pl	anned	250.00	Overburden	0.00	Depth of Ho	ole	Core	Cumulative (Соге
Increase/	Decrease	0.00	Core Length	250,00	1		Recovery	Recovery	
in Length					6	m)	(%)	l ox)
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	250.0	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	of Drilling			
Subtotal		171.0	100.0	97.2	Total Lengt	h/	m	day	m/day
Preparation	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	Orilling Shifts	250.00	22.0	11.36
Grand To	otal	176.0		100.0	Drilling Leng	gth/Each Bit	(m)		
Casing Pipe	Inserted				Bit Size	Drilling	Length	Core Length	
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ	11.	95	11.9)5
	(m)	×10	00(%)	(%)	HQ	30.	05	30.05	
HW	12.0	4.	8	100.0	NQ	208	.00	208.	00
NW	42.0	16	.8	100.0	u ^b				

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

	Drilling	Length		Daily	Total		Sh	ift	Man W	orking
Date	Shift 1	Shift 2	Dri	lling	Co	re	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
Total				250.00		250.00	22	22	55.0	55.0

Drilling Progress October Day off Day off 14, 15, 42.00 HW NW 11.95 Bit/Casing Method 250.00 PQ HQ NQ 45.00 11.95 Drilling Min/Meter Appendix 1-18 Drilling Progress of MJSU-6 2. Breccia ore/ Carbona ceous shale Basaltic fine tuff Rhyodacitic tuff brecci Rhyodacitic tuff brecci a Rhyodacitic lapilli tuff-coarse tuff Rhyodacitic lapilli tuff Rhyodacitic lapilli tuff Lithology Basaltic fine tuff Pyrite breccia Basaltic tuff L_{0g} Depth 7 200 Ē - 100

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

MJS	SU-6			Surve	y Period		Total Man-day		
		Pe	Period		Day Work !		Off Day	Engineer	Worker
Operation									
Preparatio	n	Oct. 27, 1999		0.0	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
Dismantlin	g/Transport	Sep. 11, 1999	- Sep.14, 1999	4.0	3	3.0	1.0	10.0	10.0
Total				19.0	10	6.0	3.0	80.0	80.0
Drilling Leng	gth	(m)		(m)	Core Recovery of 100m Hole		·		
Length Pla	nned	250.00	Overburden	0.00	Depth of Hole		Core Cumulative Core		Core
Increase/I	Decrease	0.00	Core Length	249.65]		Recovery	Recovery	
in Length					(m)	(%)	OX.)
Length Dril	led	250.00	Core	99.86	0.00 to 100.00		99.65 99.65		3 5
		1	Recovery(%)		100.00 to 2	200.00	100.00	99.83	
Working Hou	ire	(h)	(%)	(%)	200.00 to 250.0		50.0 100.00		36
Drilling		140,8	68.6	60.7		,			
Other Wor	k	64.3	31.4	27.7			,		
Recovering	3	0.0	0.0	0.0	Efficiently o	f Drilling			
Subtotal		205.1	100.0	88.4	Total Lengt	h/	m	day	m/dav
Preparatio	n	3.0		1.3	D	rilling Period	250.00	15.0	16.67
Dismantler	nent	24.0		10.3	Total Lengt	h/	m	shift	m/shift
Transportat	tion	0.0		0.0	Total D	Orilling Shifts	250.00	26.0	9.62
Grand To	tal	232.1		100.0	Drilling Leng	th/Each Bit	m)		
Casing Pipe	Inserted				Bit Size Drilling Len			Core L	ength
Size	Meterage	Meterage/D	rilling Length	Recovery	PQ	14.		14.9	
	(m)	×10	00(%)	(%)	HQ	24.	55	24.2	20
HW	15.0	6.	0	100.0	NQ	210	50	210.	50
NW	39.5	15	.8	100.0	u)				

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	ling	Co	re	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									
13	Loading							1	5.0	5.0
1.4	Transportati	ion						1	5.0	5.0
tal				250.00		249.65	26	29	80.0	80.0

Loading and Tranportation November 01 **Drilling Progress** Day off 31 Day off October 39.50 PQ HQ NQ HWNW 14.95 Bit/Casing Method 250.00 39.50 14.95 Drilling Min/Meter Appendix 1-21 Drilling Progress of MJSU-7 Chalcopyrite-quartz v
mens
eins
Basaltic fine tuff Rhyodacitic tuff brecci a Rhyodacitic lapilli tuff-coarse tuff Rhyodacitic lapilli tuff-pumice tuff Rhyodacitic lapilli tuff-pumice tuff Rhyodacitic lapilli tuff Lithology Basalitic dike Basaltic dike Basaltic dike LLLLL Rhyodacite LogDepth - 200 Œ 100

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

MJSU-6	<u> </u>		Surve	y Period		Total Man-day			
	Pe	Period		Day Work		Off Day	Engineer	Worker	
Operation			-			-			
Preparation	Oct. 29, 19	Oct. 29, 1999		0).5	1,0	2.5	2.5	
Drilling	Oct. 30, 1999	Sep. 13, 1999	14,5	1:	3.5	1,0	62.5	62.5	
Dismantling/Transportat	ion Sep. 14, 1999	-Sep. 16, 1999	3.0	3	3.0	0.0	15.0	15.0	
Total			19.0	1	7.0	2.0	80.0	80.0	
Drilling Length	(m)		(m)	Core Recovery of 100m Hole		Hole			
Length Planned	250.00	Overburden	0.00	Depth of Hole Co		Core Cumulative Core		Core	
Increase/Decrease	0.00	Core Length	249.40	1		Recovery			
in Length				(m)	(%)	l oo		
Length Drilled	250.00	Core	99.76	0.00 to 100.00		0 99.40		99.40	
		Recovery(%)	•	100.00 to 200.00		100,00	99.70		
Working Hours	(h)	(%)	(%)	200.00 to 250.0		100.00	99,7	76	
Drilling	135.8	61.7	56.6						
Other Work	83.3	37.8	34.7						
Recovering	1.0	0.5	0.4	Efficiently o	f Drilling				
Subtotal	220.1	100.0	91.7	Total Lengt	h/	m	day	m/day	
Preparation	4.0		1,7	D	rilling Period	250.00	14.5	17.24	
Dismantlement/Transportation	n 16.0		6.7	Total Lengt	h/	m	shift	m/shift	
				Total C	Orilling Shifts	250.00	27.0	9.26	
Grand Total	240.1		100.0	Drilling Leng	gth/Each Bit((m)		~~~	
Casing Pipe Inserted				Bit Size	Drilling	Length	Core L	ength	
Size Meterage	Meterage/D	rilling Length	Recovery	PQ	8.9	15	8.9	5	
(m)	×10)O(%)	(%)	HQ	28.	40	27.8	10	
HW 12.	0 4.	8	100.0	NQ	212	.65	211.	65	
NW 37.	4 14	.9	100.0	r)					

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

	Drilling	z Length		Daily	Total		Sh	ift	Man V	orking
Date	Shift 1	Shift 2	Dril	ling	Co	re	Drilling	Total	Engineer	Worker
	(m)	(m)	(m)	(cum m)	(m)	(cum m)	(Shift)	(Shift)	(man)	(man)
Oct. 29	Day off									
30	Preparation	4.70	4.70	4.70	4,70	4.70	1	2	5,0	5.0
31	6,55	5.40	11,95	16.65	11,35	16.05	2	2	5.0	5.0
Sep. 1	8.35	8.25	16.60	33.25	16.60	32.65	2	2	5,0	5.0
2	4.10	15.05	19.15	52.40	19.15	51,80	2	2	5.0	5.0
3	18.00	7.40	25.40	77.80	25.40	77,20	2	2	5.0	5.0
4	13.60	9.00	22.60	100.40	22.60	99.80	2	2	5.0	5.0
, 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	5.0
7	7.70	10.05	17,75	143.30	17.75	142.70	2	2	5.0	5.0
8	11.10	11.40	22.50	165.80	22.50	165.20	2	2	5.0	5.0
9	5.50	7.10	12.60	178.40	12.60	177.80	2	2	5.0	5.0
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	5.0
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	Transportat	ion					,	1	5.0	5.0
tal				250.00		249,40	27	30	80.0	80.0

November Day off **Drilling Progress** 2 Day off 30 31 October 37.35 PO HO NO HWWW 11.95 Bit/Casing Method 37.35 8.95 Drilling Min/Meter Appendix 1-24 Drilling Progress of MJSU-8 2 Silicified rock, rhyodaci tic tuff? $\begin{pmatrix} \vec{v} & \vec{v} & \vec{v} & \vec{v} \\ \vec{v} & \vec{v} & \vec{v} & \vec{v} \end{pmatrix}$ Breccia to coarse tuff Rhyodacitic lapilli tuff-coarse tuff Pumiceous lapilli tuff
Pumiceous breccia
Pumiceous lapilli tuff $\left\{ \begin{array}{l} \Delta \nabla \vec{\nabla} \\ \Delta \nabla \vec{\nabla} \\ \Delta \nabla \vec{\nabla} \end{array} \right\}$ Pumiceous breccia Porphyritic andesite Pumiceous breccia Pumiceous breccia Pumiceous breccia Pumiceous breccia Lithology Porphyritic basalt Porphyritic basalt Shale Massive sulfide Pumice tuff AAAAAAA Basalt dike Breccia Andesite TO TO TO TO Breccia LogDepth - 200 Ê <u>8</u>

Appendix 1-25 Drilling Meterage of Diamond Bit Used

ltem	Size	Bit No.	T			Drilling 1	Meterage/	Each Bit		***	Total (m)
			MJSU-1	MJSU-4	MJSU-6	MJSU-7	MJSU-2	MJSU-5	MJSU-3	MJSU-8	1
		#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			l			3,70
		#845579				1.60					1.60
1		#843664			}	8.60					8.60
	PQ	#162465				4.75					4.75
1											
		#5557-3		l			14.90	11.90	12.75	7.45	47.00
		#843657							3.65	1.50	5.15
1											
[Subtotal	11.90	13.40	11.95	14.95	14.90	11.90	16.40	8.95	104.35
L		Average									11.59
ŀ		#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
ļ	HQ	#18773				14.45					14.45
ĺ											
		#9283401					24.90	26.90	25.35	17.10	94.25
ļ		#83535								11.30	11.30
1											
		Subtotal	20.85	28,40	30.05	24.55	24.90	26.90	25.35	28.40	209.40
L		Average									23.27
i i		#9284332	97.20	6.70							103.90
		#8459261	11.05								11.05
1		#9284330	45.00								45.00
Diamond Bit		#8459264	65.60	26.35							91.95
		#8459222		115.40							115.40
1		#8459263		104.80							104.80
		#9284224		9.20	93.60	77.50					180.30
		#8459227			52.10						52,10
- 1		#186532			8.30	31.20					39.50
1		#8459256			54.00					2.95	56.95
		#9284763				24.85			·	36.20	61.05
ľ		#186544				76.95					76.95
		#9284335					55.40	26.80			82.20
		#8459262					20.50				20.50
1	NQ	#845976					38.50				38.50
	1400	#9284334					57.65	24.90			82.55
		#8459259					38.15				38.15
		#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			9.00
		#9284225							78.50		78.50
		#9284717							42.15	69.85	112.00
		#9284329					1			22.95	22.95
		#186531								35.65	35.65
1		#186547								20.00	20.00
		#8459192								25.05	25.05
i											
		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
				'		== 7.00	==0.00	O TO.EV			_,

Appendix 1-26 Consumables Used

F . J. bl. 1a		11-14				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		ı	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		ı	8	35		4	34		9	4	94
Lubtub		kg				2				9	11
Solcut		-	89	40	23	45	40	56	76	75	444
Stop Plus		kg			6			3	5	5	19
Bentonite		kg								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	pcs				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			٠,٠					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		1		1					2

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

MJSU-1 September 11 Easting:

E 708.478 N 2,617.501

Date Completed: Se

September 26

Northing: Elevation(mSL):

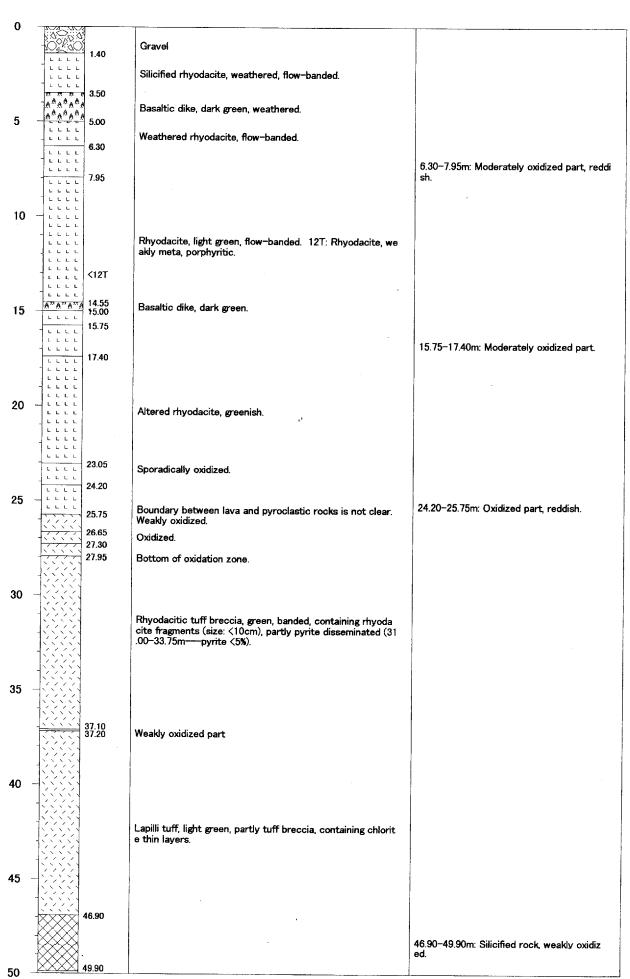
955

Drilled by DMMR/BRGM

Depth

Lithology

900



MJSU-1 September 11 Easting: Northing: E 708.478 N 2,617.501

Date Completed:

September 26

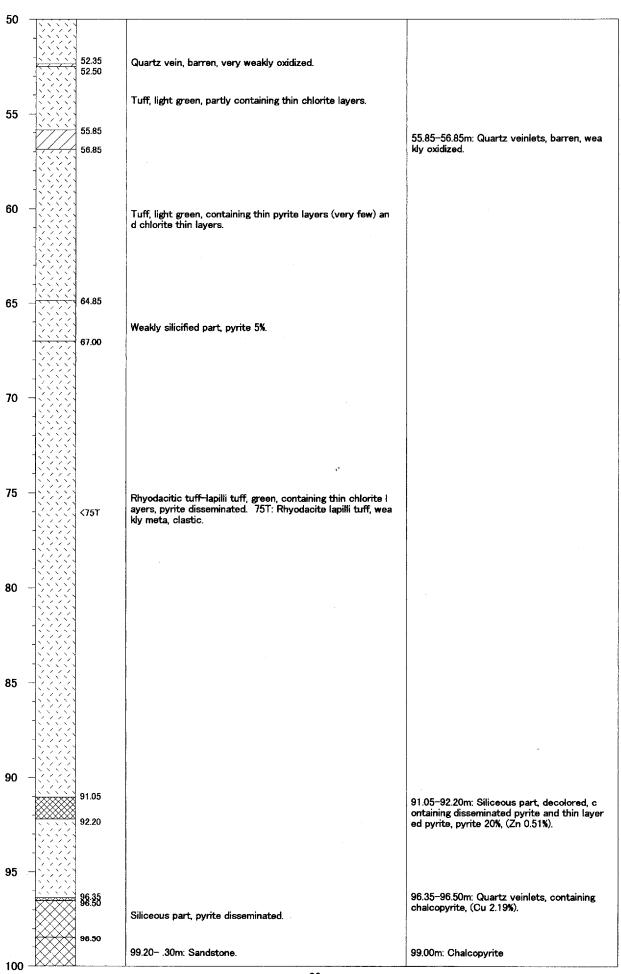
Elevation(mSL):

955

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-1 September 11 Easting: Northing: E 708.478 N 2,617.501

Date Completed:

September 26

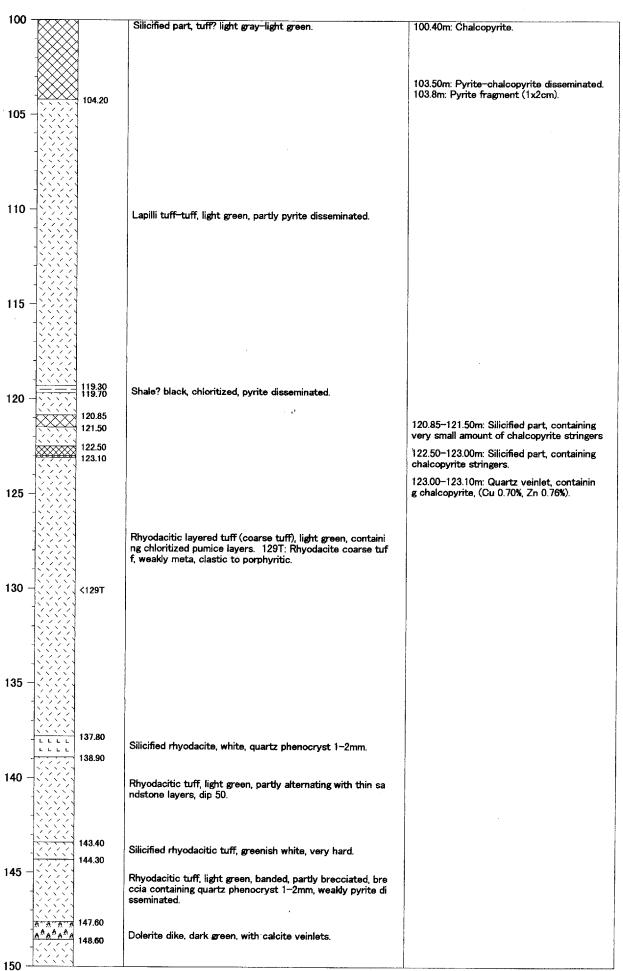
Elevation(mSL):

955

Drilled by DMMR/BRGM

Depth

Lithology



Date Completed:

MJSU-1 September 11 Easting: Northing:

ing: E 708.478 hing: N 2,617.501

September 26

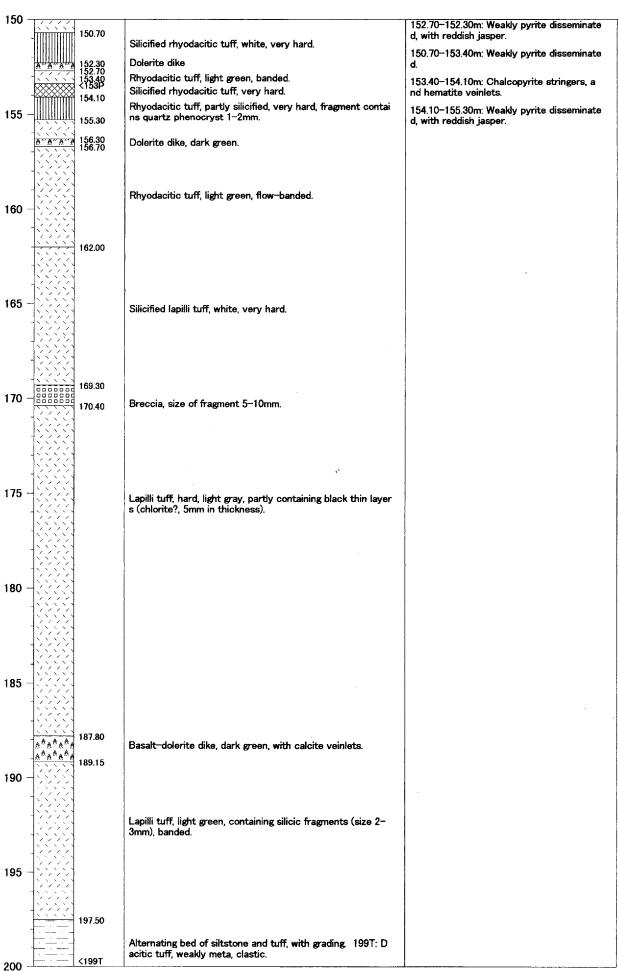
Elevation(mSL):

955

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-1

Easting:

E 708.478 N 2,617.501

Date Completed:

September 11 September 26

Elevation(mSL):

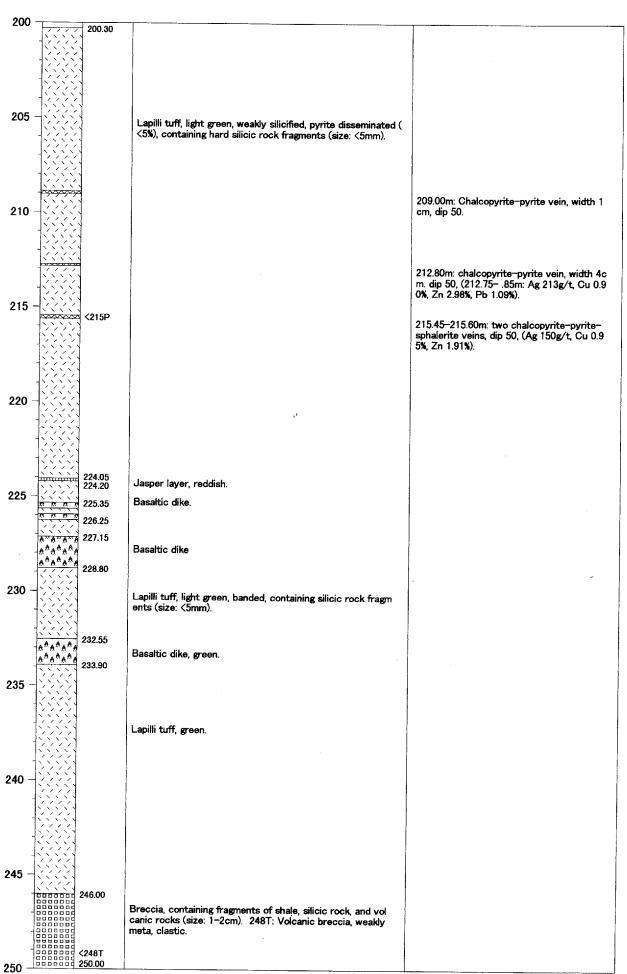
Northing:

955

Drilled by DMMR/BRGM

Depth

Lithology



Date Completed:

MJSU-1 September 11 Easting: Northing:

ting: E 708.478 thing: N 2,617.501

September 26

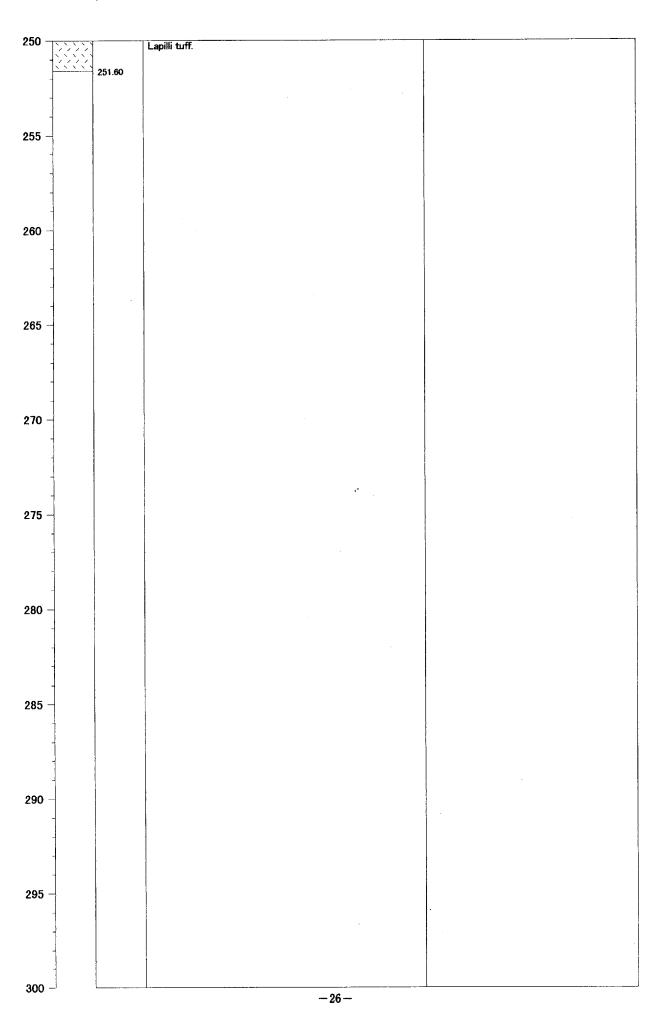
Elevation(mSL):

N 2,6 955

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-2

Easting: Northing: E 708.524

958

Date Completed:

September 11 September 27

Elevation(mSL):

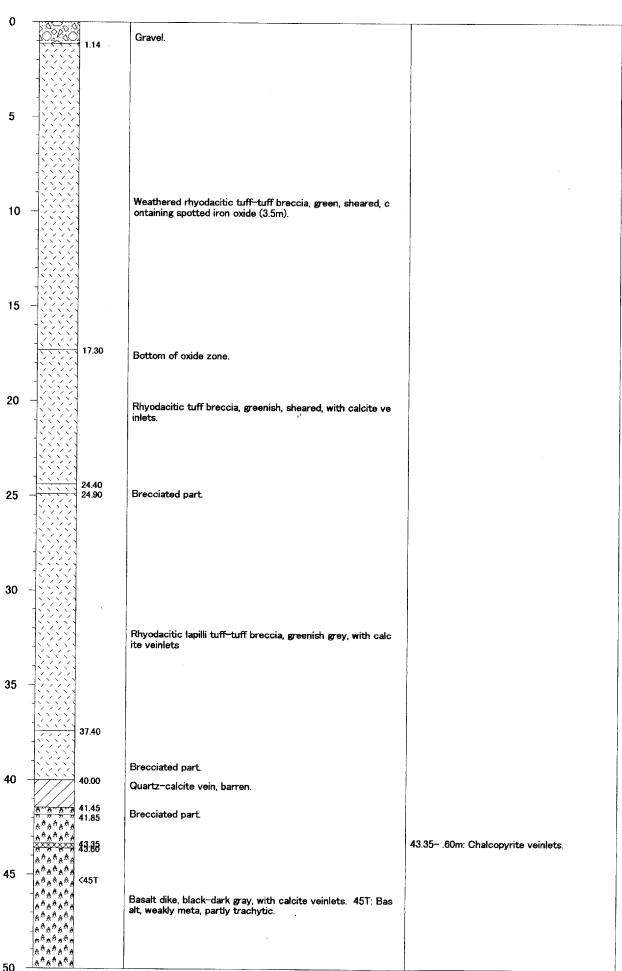
N 2,617.686

Depth

Lithology

Mineralization & Alteration

Drilled by DMMR/BRGM



Date Completed:

MJSU-2 September 11 Easting: Northing:

g: E 708.524 ng: N 2,617.686

September 27

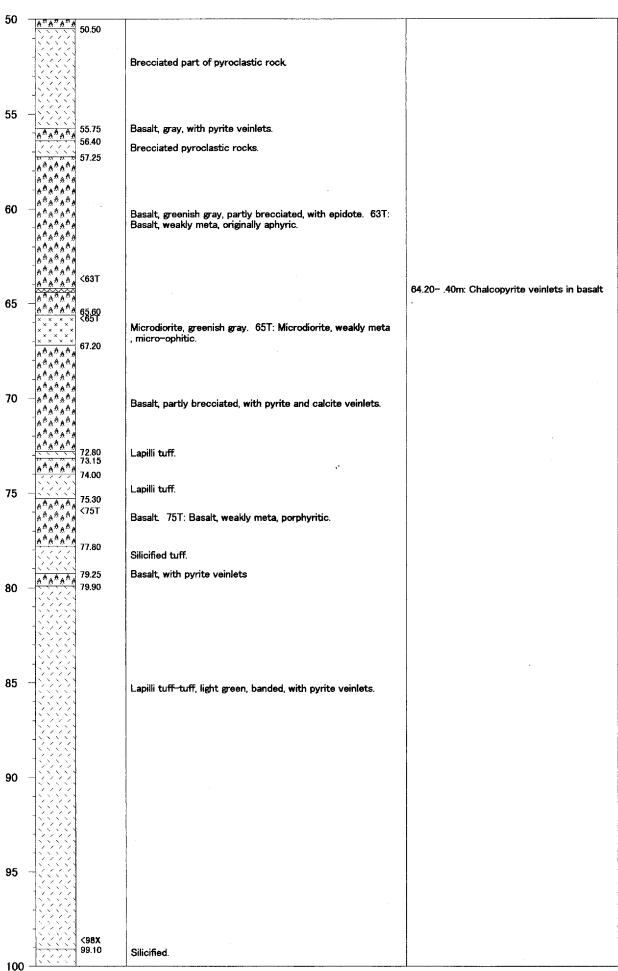
Elevation(mSL):

958

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-2 September 11 Easting: Northing: E 708.524

Date Completed:

September 27

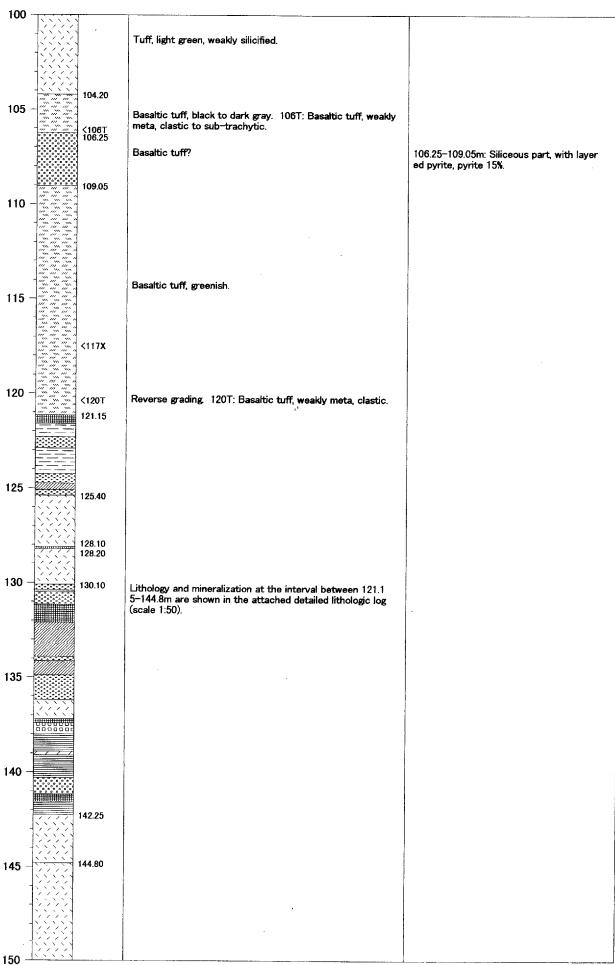
Elevation(mSL):

N 2,617.686 958

Drilled by DMMR/BRGM

Depth

Lithology



Drill Hole No.:

MJSU-2

Easting:

E 708.524

Date Started: Date Completed: September 11

Northing:

N 2,617.686

September 27

Elevation(mSL):

958

Drilled by DMMR/BRGM

Depth

Lithology

150	1	Lapilli tuff, greenish light gray, partly tuff breccia.	
	1		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	153:68	Quartz veinlets, barren.	}
155			
	1		155.30m: Quartz vein, 1cm width, containin g pyrite, dip 45.
	156.30 157.00	Shale, dark gray, hard, containing pyrite (grain size: 1-2mm), dip50.	g pyrite, dip 43.
		, dipoo.	
160 - >>>>			
	1		
		Tuff breccia, greenish light gray, hard, containing silicic roc	
		k fragments (size: 0.5-4cm).	
			163.75m: Quartz vein, 1cm width, containin
165			g chalcopyrite.
	}		}
	168.25	Alternating bed of conglomerate (consisting of silicic rock	
000000	169.40	fragment, 1-3cm) and siltstone, greenish light gray, hard.	
170		Lapilli tuff, light gray.	
1////	172.60	Siltatone light way hard die 50	
	172.95	Siltstone, light gray, hard, dip 50.	
175		Lapilli tuff, rhyodacitic, greenish light gray, hard, containing silicic rock fragments (size: <5mm).	
175 - ((()		Sind Foot if agriculta (SZE, Contin).	
		Lapilli tuff, rhyodacitic, light green, partly conglomeritic, ban ded.	
180			
1222			
	1		
185	185.20	Basalt-dolerite dike, greenish.	
77.77	185.70		
	1	Lapilli tuff-tuff breccia, rhyodacitic, green, containing chlor	
		ite layers, pyrite disseminated.	
190			
	}		·
195	1		
199 7///	1		
1777	196.30		
	1	Weakly silicified tuff, hard, banded, pyrite disseminated, pyrit e <1%.	
	199.00		
200	1		
		-30-	

Date Completed:

MJSU-2

Easting:

E 708.524

September 11

Northing:

N 2,617.686

__

September 27

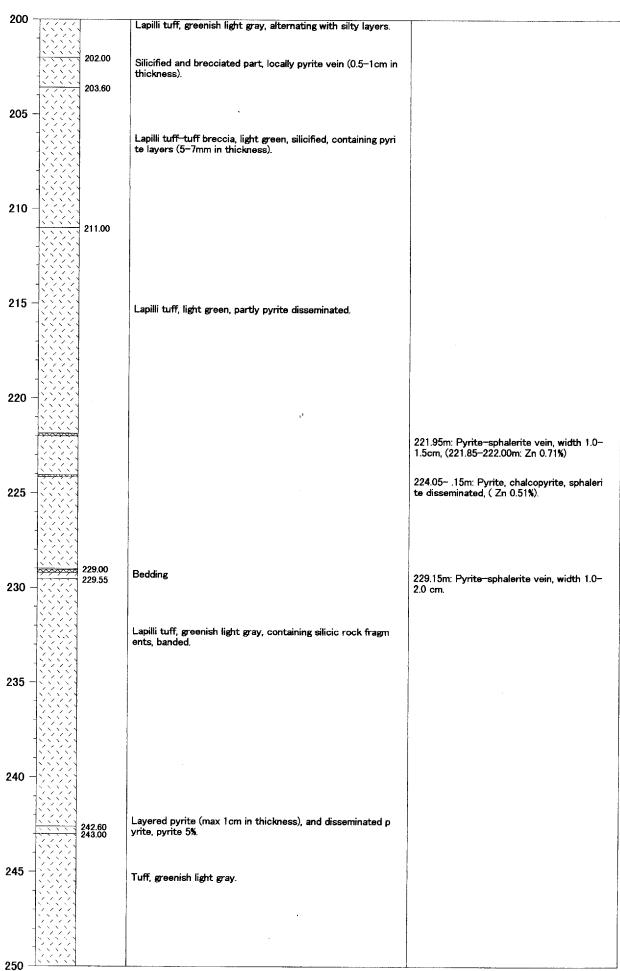
Elevation(mSL):

958

Drilled by DMMR/BRGM

Depth

Lithology



Drill Hole No.:

MJSU-3

3

Easting:

E 709.596 N 2,619.288

Date Started: October 14
Date Completed: October 28

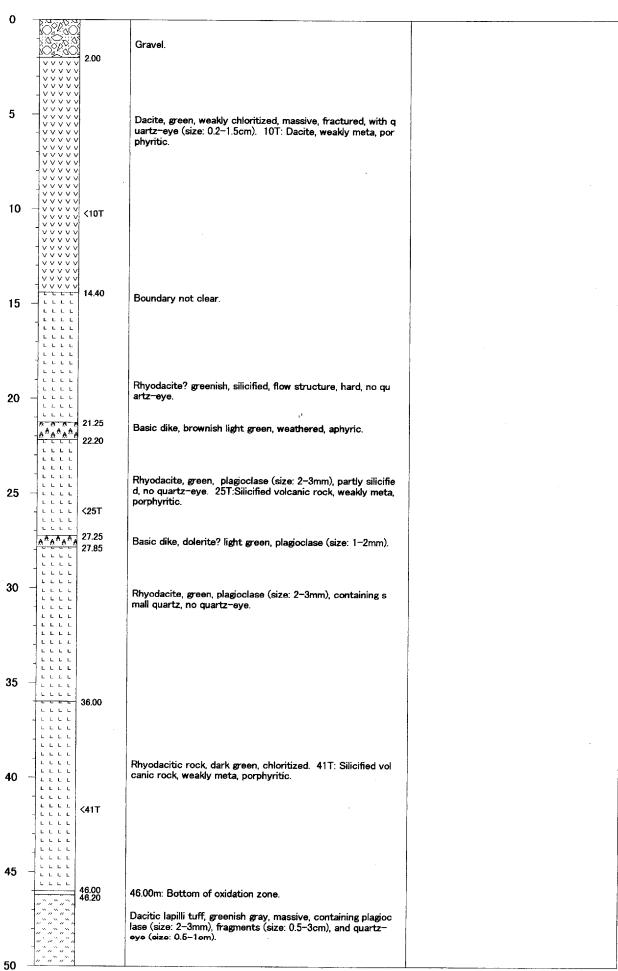
Northing: Elevation(mSL):

957

Drilled by DMMR/BRGM

Depth

Lithology



Drill Hole No.:

MJSU-3

Easting:

E 709.596

N 2,619.288

Date Started:
Date Completed:

October 14 October 28

Elevation(mSL):

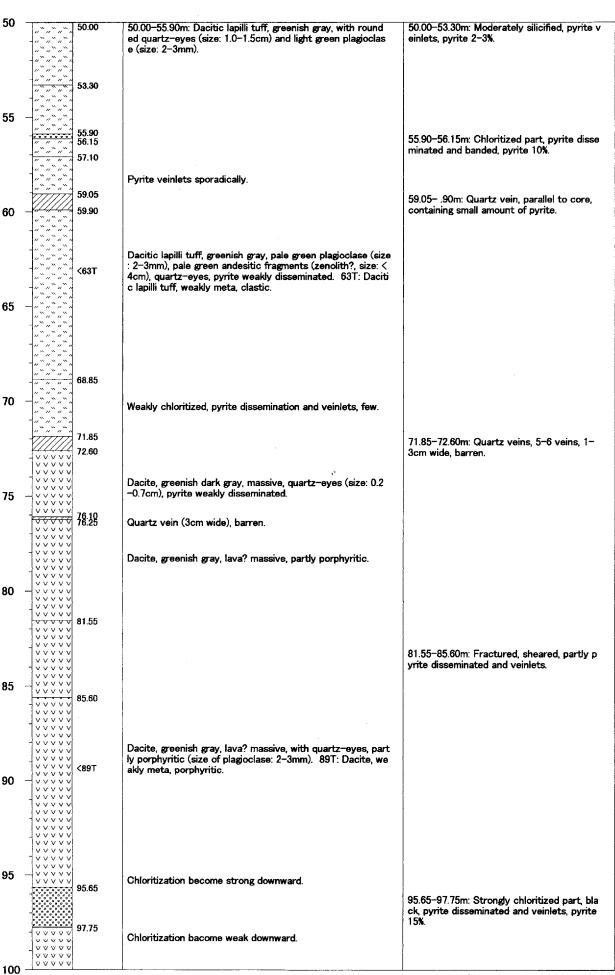
Northing:

957

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-3

Easting:

E 709.596 N 2,619.288

Date Completed:

October 14 October 28

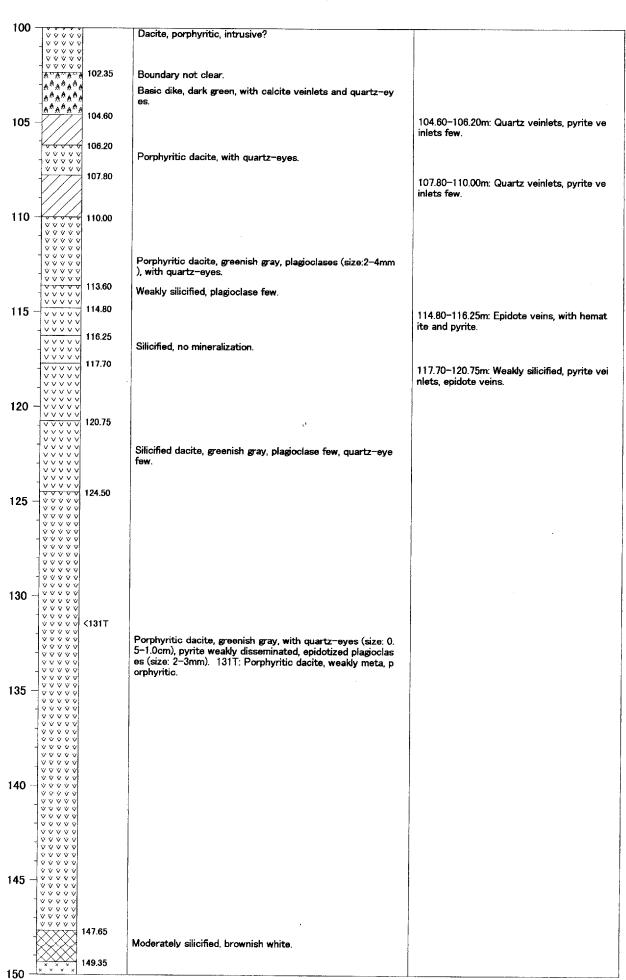
Northing: Elevation(mSL):

957

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-3 October 14

East

Easting: Northing: E 709.596 N 2,619.288

Date Completed:

October 28

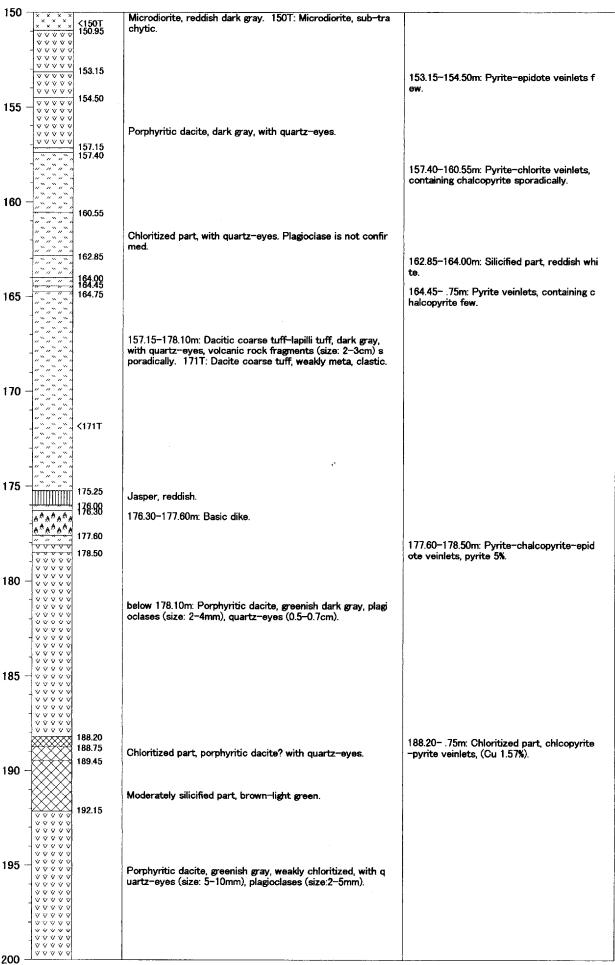
Elevation(mSL):

957

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-3

Easting:

E 709.596

Date Completed:

October 14 October 28

Northing: Elevation(mSL): N 2,619.288 957

Drilled by DMMR/BRGM

Depth

Lithology

tz-eyes (size: 0.3-2.0em), plagioclase (size: 3-5mm). 204.05 204.05 Bracciated, with quartz-eyes. 205.70 206.70 207.70 207.70 207.70 207.70 207.71 207.71 207.71 207.71 207.72 207.72 207.72 207.72 207.73 Porphyritic dacite, greenish gray, silicified, bracciated, weal by chloritized, plagioclase (size: 2-5mm), quartz-eyes (5-7mm), quartz-eyes (5-7		****	1	Porphyritic dacite, greenish gray, weakly silicified, with quar	
204 25-206 70m: Chloritized part, weakly alicified, bracciated, with quartz-eyea. 206 70 206 70 206 70 206 70 207 2717 211X 221S 222S 2				tz-eyes (size: 0.3-2.0cm), plagioclase (size: 3-5mm).	
205 - 2070 204.0 204.0 Brecciated, with quartz-eyea. 206.70 206.70 206.70 206.70 206.70 206.70 206.70 207.77		V V V V V	1		
2015 2016 2017 2017 2017 Porphyritic dacite, greenish gray, allicified, bracciated, weakly distributed plaglociase (size 2-5mm), quartz-eyes (5-7 mm), appraasionally chalcopyrite veiniets sporadically. 2017 2017 Porphyritic dacite, greenish gray, partly (quilli tuff, fragments (size 5mm), moderately silicified, weakly chloritized dart, chalcopyrite-pyrite vein network, (Cu 505 mm), appraasionally chalcopyrite veiniets. 2017 Phycolaptic? ocarse tuff, greenish gray, partly (quilli tuff, fragments (size 5mm), moderately silicified, weakly chloritized dart, chalcopyrite-pyrite vein network, (Cu 505 mm), appraasionally chalcopyrite vein network, (Cu 505 mm), appraasionally chalcopyrite vein network, (Cu 2 48%). 2010					
204.25 Brecciated, with quartz-eyes. 206.70 Porphyritio dacits, greenish gray, gilicified, brecciated, weakly chloritized part, weakly mit infined, chalcopyrite-pyrite veinlets sporadically. 2115 2117 C211X Porphyritio dacits, greenish gray, partly lapilli tuff, framents (aize 5mm), moderately alicified, weakly chloritized part, chalcopyrite veinlets. 2117 C217X Bhyodacitic? coarse tuff, greenish gray, partly lapilli tuff, framents (aize 5mm), moderately alicified, weakly chloritized part, weakly mit shall quartz, freeding mit shall be perphyrition. 2200 2200 2201 2201 2202 2203 2204 2205 C224X Silicified volcanic rocks, rhyodacite? greenish light gray, with small quartz, brecciated. Silicified volcanic rocks, rhyodacite? greenish light gray, with small quartz brecciated. C224X 226.30 - 228.50 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-3mm), calcite veinlets. Caurtz vein, barren, dip 60-70. 226.30 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-3mm), calcite veinlets. Caurtz vein, barren, dip 60-70. 226.30 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (2274X 228.30 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (228.50 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (228.50 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (228.50 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (228.50 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (229.60 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (221.60 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (221.60 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (221.60 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (221.60 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes (221.60 - 228.60m: Basic dike, dolerits? plagicolase (size: 2-4mm), quartz-eyes					
Bracciated, with quartz-eyes. 204.75 205.70 Porphyritic dacits, greenish gray, silicified, bracciated, wes ky chloritized part, weakly silicified, chlocopyrite-pyrite voiniots sporadic sily. 210 211 215 216.00 217 C211X 218.00 218.00 218.70 218.70 219.00 220 220 220 220 220 220 220		V V V V V	Z2040		
Direcciated, with quartz-eyea 206.70 206.70 Porphyritic dacite, greenish gray, eliicified, brecciated, weakly chloritized, plagicolase (size: 2-5mm), quartz-eyes (5-7mm), aperadically chalcopyrite veiniets. 211X 215 216.00 211X 217 Rhycdacitic? coarse tuff, greenish gray, partly lapilli tuff, fragments (size: 5mm), moderately silicified, weakly chloritized, the recitated, with small cutartz. 2171. Rhycdacitic coarse tuff, weakly meta, clastic to porphyritic. 220 220 220 2218 2219 2225 223 224X 224X 225 226.30 227 228.30 228.30 228.30 228.30 228.30 228.30 228.30 229.30 229.30 220.10 220.10 220.10 220.10 220.10 220.10 2					
210 — Porphyritic dacite, greenish gray, allicified, brecciated, wee kly chloritized, plagoclase (size: 2-5mm), quartz-eyes (5-7mm), sporadically chalcopyrite veinlets. 215 — 221X 216 — Porphyritic dacite, greenish gray, partly logilit strift, agenetic (size: 5mm), moderately silicified, weekly chloritized, brecciated, with small quartz. 217T. Rhyodacite coarse strift, weekly meta, clastic to porphyritic. 220 — 22	205 -				
210 – Porphyritic dacite, greenish gray, silicified, brecciated, weakly chloritized plagoclase (size 2-5mm), quartz-eyes (5-7 mm), sporadically chalcopyrite veinlets. 214 70-215.05m. Strongly chloritized part, chalcopyrite-pyrite vein network (Cu 5.05 %). 214 70-215.05m. Strongly chloritized part, chalcopyrite-pyrite vein network (Cu 5.05 %). 214 70-215.05m. Strongly chloritized part, chalcopyrite-pyrite vein network (Cu 5.05 %). 220 1 221		V V V V V		Brecciated, with quartz-eyes.	
Porphyritic dacite, greenish gray, silicified, brecciated, wea ky chloritzed particular day chloritzed particular dacite, greenish gray, partly lapili tuff, agments (size: 5mm), moderately silicified, weakly chloritzed and chalcopyrite-pyrite vein network, (Cu 5.05 and 5.0					any.
Porphyritic dacite, greenish gray, partly lapili tuff, fragments (size. Smm), moderately slicified, brecciated, weakly chloritized date, dependent of the control of the co		- 00000	206.70		
Porphyritic dacite, greenish gray, aliicified, bracciated, was why chloritized, plagoclase (size: 2-5mm), quartz-eyes (5-7 mm), sporadically chalcopyrite veinlets. 215 2177 2177 2177 2177 2177 2177 2177 2					
Porphyritic dacite, greenish gray, silicified, brecotated, weakly which tritzed, plagoclase (size 2-5mm), quartz-eyes (5-7 mm), sporadically chalcopyrite veinlets. 2117 2217 2118 2119 2119 2119 2119 2119 2119 2119		7			
### And		1 :		B 1 32 1 32 1 32 1 33 1 34 1 35 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
215 215 216.08 216.09 217 217 217 217 217 217 217 217 217 217		1		Porphyritic dacite, greenish gray, silicified, brecciated, wea	
215 - 23 15 08 217	210 -	1		mm) sporadically chalcopyrite veinlets	
215 - 2217				many, sporadically charcopyrite vertilets.	
215 — 2217 2217 2217 2217 2217 2217 2218 2217 2218 2219 2220 2220 2220 2221 2221 2221 2221		V V V V V	<211X		
215 215 216 217 217 217 217 217 217 217 217 217 217					
215 - 215.00 217 Shyodacitic? coarse tuff, greenish gray, partly lapili tuff, fr agrienta (size: 5mm), moderately silicified, weakly chloritize d, bracchated, with small quartz. 2171: Rhyodacite coarse tuff, weakly meta, clase to porphyritic. 220 220] v v v v v			
215 - 2217 Rhyodacitic? coarse tuff; greenish gray, partly lapilit tuff; fr agments (size: 5mm), moderately alicified, weakly chloritize death of tuff; weakly meta, clastic to porphyritic. 220 2210 2219					
215 - 2170 Signature of the second of the se					
Rhyodacitic? ccarse tuff, greenish gray, partly lapilli tuff, fr agments (size. 5mm), moderately alicified, weakly chloritize d. brecelated, with small quartz. 2171. Rhyodacite coarse tuff, weakly meta, clastic to porphyritic. 220.10 220.1	215 -		214.70		214 70-215 05m; Strongly obloritized part
Rhyodacitic? coarse tuff, greenish gray, partly lapilli tuff, fragments (size: 5mm), moderately silicified, weakly chloritize d, bracciated, with small quartz. 2171: Rhyodacite coarse tuff, greenish light gray, with small quartz, bracciated. 220 10 220.	210	1000	210.00		
Rhyodacitic? coarse tuff, greenish gray, partly lapilli tuff, fr agments (size: 5mm), moderately silicified, weakly chloritize d. preciated, with small quartz. [27] Tr. Rhyodacite coarse tuff, weakly meta, clastic to porphyritic. 220.10 220.50 220.50 220.50 220.50 220.50 220.50 221.50 222.50 226.30 22		1////			
220 220 220 220 220 220 220 220 220 220			/217T		
agrierits (size: 3mm), moderately elicified, weakly chloritize d. proceinate, with small quartz. 217: Rhyodacite coarse tuff, weakly meta, clastic to porphyritic. 220.10 220.30					
tuff, weakly meta, clastic to porphyritic. 220.10-220.90m: Pyrite-chalcopyrite vein network, (Cu 2.48%). Silicified volcanic rocks, rhyodacite? greenish light gray, with small quartz, brecciated. 2244 226.30-229.80m: Basic dike, dolerite? plagioclase (size: 2-3mm), calcrite veinlets. Quartz vein, barren, dip 60-70. 23870 23870 Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 2321: Dacite, weakly meta, porp hyritic. 23870 23840 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic dissemination few, chalcopyrite very few.		$\{CCC\}$	(2.77)	agments (size: 5mm), moderately silicified, weakly chloritize	
220.10—220.90m. Pyrite-chalcopyrite vein network, (Cu 2.48%). 225—225—226.30 2				q, precciated, with small quartz. 21 /T: Rhyodacite coarse	
225 229.90 Silicified volcanic rocks, rhyodacite? greenish light gray, with small quartz, brecciated. 226.30 228.30-229.60m: Basic dike, dolerite? plagioclase (size: 2-3mm), calcite veinlets. 237.95 237.95 238.00 238.30-229.60m: Basic dike, dolerite? plagioclase (size: 2-3mm), calcite veinlets. 237.95 238.00 238.30-229.60m: Basic dike, dolerite? plagioclase (size: 2-3mm), calcite veinlets. 237.95 238.00 238.30-229.60m: Basic dike, dolerite? plagioclase (size: 2-3mm), calcite veinlets. 237.95 238.30-229.60m: Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.		ESSS		шн, weakly meta, clastic to porphyritic.	
220.90 Silicified volcanic rocks, rhyodacite? greenish light gray, with small quartz, brecciated. 2243 226.30 2	220 -		220.10		
Silicified volcanic rocks, rhyodacite? greenish light gray, with small quartz, brecciated. 224X 22530 A^A^A^A A^A^A A^A^A^A 226.30 A^A^A^A A^A^A A^A^A A^A^A A^A^A 229.60 229.60 Dacite, greenish light gray, weakly silicified, no quartz—eye, with small quartz, massive. 232T: Dacite, weakly meta, porphyritic. 236.40 Porphyritic dacite, plagioclase (size: 2-4mm), quartz—eyes (0.2-1.2cm), weakly epidotized. 241.85 231.55 Porphyritic dacite, plagioclase (size: 2-4mm), quartz—eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite, plagioclase (size: 2-4mm), quartz—eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite, plagioclase (size: 2-4mm), quartz—eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite, plagioclase (size: 2-4mm), quartz—eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite, plagioclase (size: 2-4mm), quartz—eyes (0.2-1.2cm), weakly epidotized. Porphyritic dacite, 243T: Porphyritic dacite, weakly meta, porphyritic.			<220P		
Silicified volcanic rocks, rhyodacite? greenish light gray, wi th small quartz, brecciated. 224x 225.30 A^A^A^A^A A^A^A^A^A 230			220.90	•	network, (Gu 2.48%).
th small quartz, brecciated. 225 A^A^A^A A^A^A^A 229.60 226.30 - 229.60m. Basic dike, dolerite? plagioclase (size: 2- 3mm), calcite veinlets. Quartz vein, barren, dip 60-70. Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. 235 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic dacite, plagioclase (size: 2-4mm).		٦ ١		Ciliation valuation waster when the Community light and the	
225 - 226.30 - 229.80m. Basic dike, dolerite? plagioclase (size: 2-3mm), calcite veinlets. Quartz vein, barren, dip 60-70. 23327				th small quarty braccisted	
225 - 224 X 226.30 - 229.60m. Basic dike, dolerite? plagioclase (size: 2-dmm), calcite veinlets. Quartz vein, barren, dip 60-70. 2330 - 2320 Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 2321: Dacite, weakly meta, porphyritic. 236.40 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.				di sindi quai 2, bi ecciated.	
226.30 229.60m: Basic dike, dolerite? plagioclase (size: 2-3mm), calcite veinlets. 227.89 228.30 229.60 228.3					
226.30 – 226	005		<224X		
226.30—229.60m: Basic dike, dolerite? plagioclase (size: 2—3mm), calcite veinlets. Quartz vein, barren, dip 60-70. 2332T Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porphyritic. 236.40 Porphyritic dacite, plagioclase (size: 2—4mm), quartz-eyes (0.2—1.2cm), weakly epidotized. 241.85—243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic dacite, weakly meta, porphyritic dacite, weakly meta, porphyritic dacite, weakly meta, porphyritic dacite.	223 -			· ·	
2330 - 23.0			000 00		
230 - A^A^A^A		****	220.30	226.30-229.60m: Basic dike, dolerite? plagioclase (size: 2-	
230 – AAAAA 229.60 231 – Capture of the state of the sta		AAAAAA	227 60	1 17	
230 — A^A^A^A^A 2 229.60 232T 232C 232C		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	227.95	Quartz vein, barren, dip 60-70.	
230 — A^A^A^A^A 2 229.60 232T 232C 232C		****			
Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. 235 240 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.		WWWWW	220.60		
Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porphyritic. 235 236.40 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85	230 -		225.00		
Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porphyritic. 235 236.40 240 Porphyritic dacite, plagicclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 2410 241.85 243.25 243.25 Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.					
Dacite, greenish light gray, weakly silicified, no quartz-eye, with small quartz, massive. 232T: Dacite, weakly meta, porp hyritic. 235 240 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85 241.85 241.85 243.35 Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.		v v v v			
with small quartz, massive. 232T: Dacite, weakly meta, porphyritic. 235 236.40 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	-			Desta 11 mm	
hyritic. 236.40 240 Porphyritic dacite, plagicclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85 243.5 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.			{ 332 T	with small quarty massive, 222T; Desite weekly small quarty-eye,	
235 – 236,40 240 – 241C 241C 241.85 241.85 241.85 242.85 243.25 Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	•	V V V V V			
235 - V V V V V V V V V V V V V V V V V V	-	100000		• "	
240 - 2410 241.85 243.75 243.75 245 245 245 245 245 245 245 245 245 24	005	[VVVVV			
240 - 240 - 2410 241.85	235 -	v v v v v			
Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85 243.25 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.	-	100000			
Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.		V V V V	236.40		
Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85 243.85 243.85 243.85 243.85 241.85 243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.	-	100000			
Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85 243.25 243.25 243.25 241.85		V V V V V			
Porphyritic dacite, plagioclase (size: 2-4mm), quartz-eyes (0.2-1.2cm), weakly epidotized. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. 243.25 243.	-				
241 0 -	-			Porphyritic dacite plagioclase (size: 2-4mm) quartz-mass (
241.85 –243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. 241.85 –243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.	-	*****		0.2-1.2cm), weakly epidotized.	
241.85 -243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. 241.85-243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.	240	* * * * * * * * * * * * * * * * * * *			1
241.85 243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few. 241.85 243.25m: Moderately silicified part, pyrite dissemination few, chalcopyrite very few.	240	* * * * * * * * * * * * * * * * * * *			
243.25 243.25 Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240 -	V V V V V V V V V V V V V V V V V V V	/2410		
243.25 243.25 243.25 243.25 243.25 243.25 243.25 243.25 Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240	V V V V V V V V V V V V V V V V V V V			
Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240 -	V V V V V V V V V V V V V V V V V V V			
Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240 - -	* * * * * * * * * * * * * * * * * * *	241.85		pyrite dissemination few, chalcopyrite very
Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240 - - -	* * * * * * * * * * * * * * * * * * *	241.85		pyrite dissemination few, chalcopyrite very
Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240 	V V V V V V V V V V V V V V V V V V V	241.85		pyrite dissemination few, chalcopyrite very
Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	240	V V V V V V V V V V V V V V V V V V V	241.85		pyrite dissemination few, chalcopyrite very
Porphyritic dacite. 243T: Porphyritic dacite, weakly meta, porphyritic.	-	V V V V V V V V V V V V V V V V V V V	241.85		pyrite dissemination few, chalcopyrite very
- 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 V V V V V V V V V V V V	241.85		pyrite dissemination few, chalcopyrite very
V V V V V Porphyriae.	-	V V V V V V V V V V V V V V V V V V V	241.85		pyrite dissemination few, chalcopyrite very
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 V V V V V V V V V V V	241.85	Porphyritic dacite. 243T: Porphyritic dacite, weakly meta,	pyrite dissemination few, chalcopyrite very
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 V V V V V V V V V V V V	241.85	Porphyritic dacite. 243T: Porphyritic dacite, weakly meta,	pyrite dissemination few, chalcopyrite very
250	-	V V V V V V V V V V V V V V V V V V V	241.85	Porphyritic dacite. 243T: Porphyritic dacite, weakly meta,	pyrite dissemination few, chalcopyrite very

Date Completed:

MJSU-4

September 27

October 13

Easting: Northing: E 709.167 N 2,619.582

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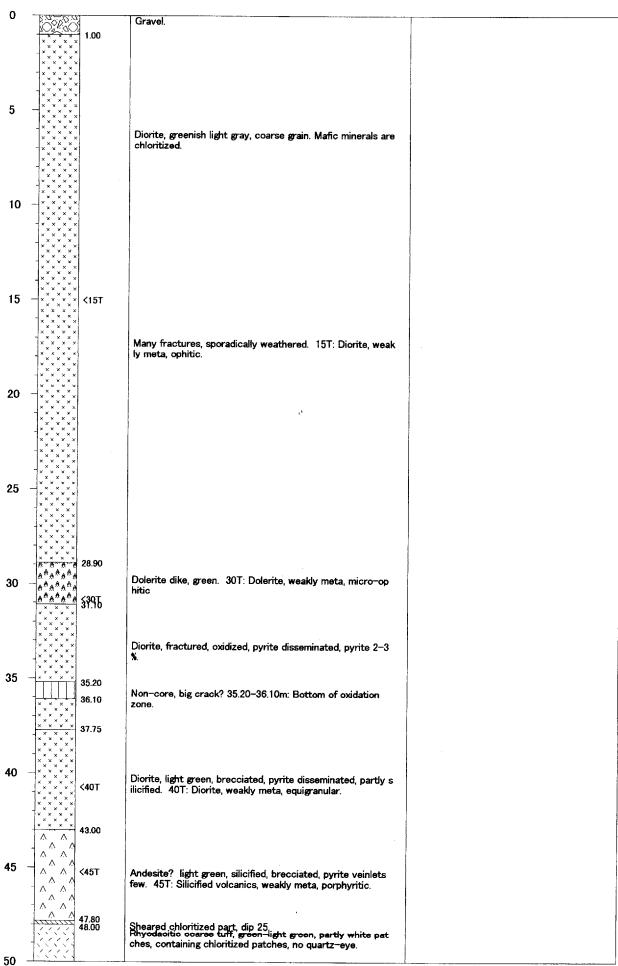
Elevation(mSL):

958

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-4 September 27 Easting: Northing: E 709.167 N 2,619.582

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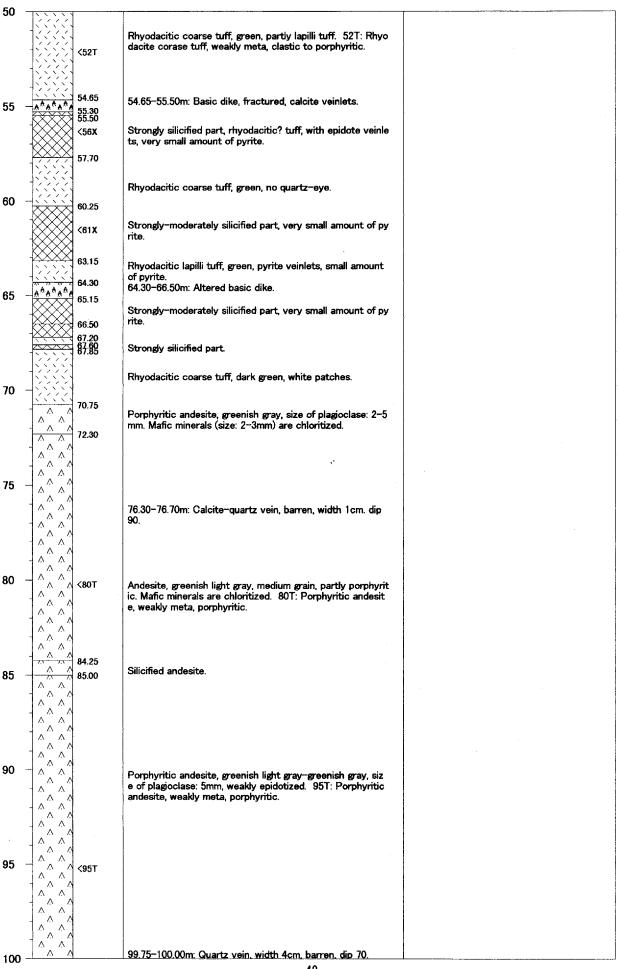
Elevation(mSL):

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Depth

Lithology



MJSU-4 September 27 Easting: Northing: E 709.167 N 2,619.582

Date Completed:

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Depth

Lithology

100			
	4		
1 ^ ^	4		
	Λ	Porphyritic andesite, greenish gray, size of phenocrysts: 3 -4mm, containing reddish feldspar. Plagicclases are weakly	
	4	epidotized.	
^	104.55		
105		Lapilli tuff, greenish light gray, layered, rhyodacitic, size of f	
<u>- (////</u>	106.40	ragments: <5mm.	
\^ ^	100.40		
1^^^	1		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Porphyritic andesite, greenish dark gray, weakly silicified, with epidote.	
A . A			
$110 \rightarrow \triangle^{\triangle}_{\triangle}$			
**************************************	111.10		111.40 05 Duits at 1
1222	111.65	Silicified rhyodacitic tuff, greenish gray, white patches.	111.40= .65m: Pyrite=chalcopyrite veinlets, (Cu 1.82%).
-(///	113.40		
- A MAMA	113.85	Basaltic dike, greenish gray.	
115]		
	1		
	1		
	1	Rhyodacitic lapilli tuff, greenish gray-light green, layered, sil icified, containing silicic rock fragments (size: 1-3cm), partl	
12222	1	y tuff breccia. 121T: Rhyodacite lapilli tuff, weakly meta, cla	
1333		stic to porphyritic.	
120	j		
		0	
	<121T		
	1		
125 - >>>>			
	1		·
AAAAA	126.25	Basaltic dike, greenish gray, with calcite veinlets.	
AAAAA	127.60	Dasauc dine, greenist gray, with calcite veinlets.	
1888	127.00	Tuff breccia, greenish gray, rhyodacitic, partly layered.	
1222			
130 - *****	129.75	Basaltic dike, greenish light gray, with calcite veinlets.	
A**A**A**	130.85	and the second s	
	<131X	Common treff or a single or a large	
7777	133 15	Coarse tuff, greenish gray, layered.	
3333	133:35	Lapilli tuff-coarse tuff, light green, layered, containing frag	133.1530m: Pyrite 25%, banded.
125		ments (size: <1cm) sporadically, clayey.	
135 - 1	135.20		
""""	<136T		
"""""	1		
""""	<138X	Dacitic coarse tuff, dark green, containing quartz-eye (siz	
- "," " " " " " " " " " " " " " " " " "	1	e: 1cm) sporadically. 136T: Dacite coarse tuff, weakly meta, clastic to porphyritic.	
140 - "."."."		olada to porpriyride.	4.
	140.50 141.00		140.50- 141.00m: Chalcopyrite veinlets, wi
		Desirie seems to 65 and 11 to 11 to	dth 0.5-1cm, (Gu 1.31%).
""""	143.10	Dacitic coarse tuff, containing chlorite patches, quartz-ey e sporadically. 143.1m: <143X.	
XXXXXXX 	143.40	143.1m: <143X.	143.1040m: Chalcopyrite veins, width 4c
145	144.85		m, three veins, dip 40, (Cu 10.40%). 143.3m: <143P.
145	145:85	145.3m: <145X.	144.85-145.00m: Chalcopyrite veinlets, (C u 4.77%).
- "," ,," ,," ,,	146.40		·
 	146.60 147.30	146.85-147.00m: Basaltic dike	146.4060m: Chalcopyrite veinlets, (Cu 4.
	147.80		60%) 147:3080m: Chalcopyrite veinlets, (Cu 1. 37%).
- """""	149.80	Dacitic coarse tuff, dark green, chloritized, containing quartz-eye sporadically.	149.8090m: Chalcopyrite veinlets. 149.9
150	149.90		m: <149P
		-41-	

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Easting:

E 709.167

Date Completed:

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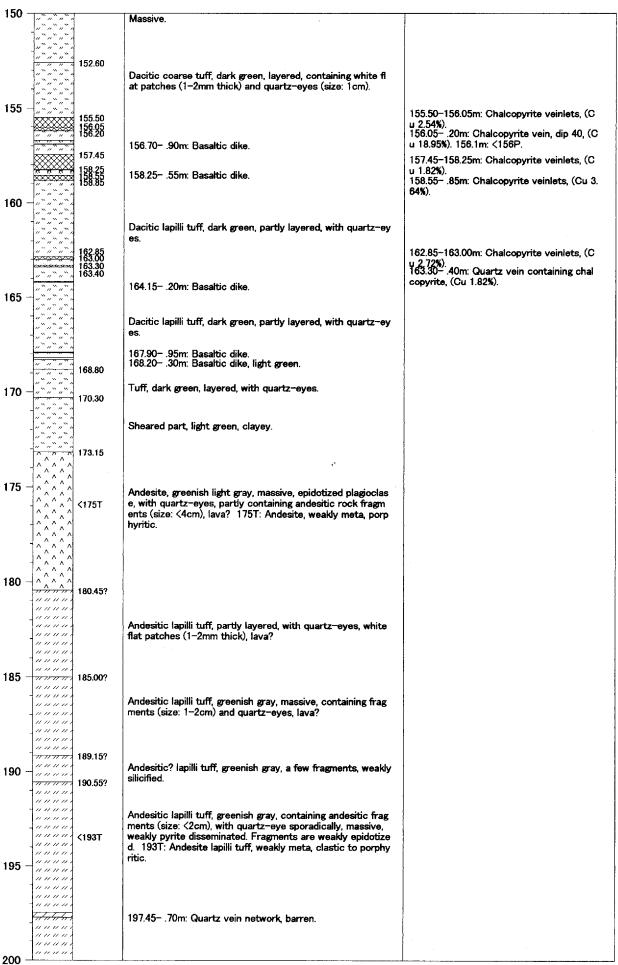
N 2,619.582

Depth

Lithology

Mineralization & Alteration

Drilled by DMMR/BRGM



Drill Hole No.:

MJSU-4

Easting:

E 709.167

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Date Started: Date Completed:

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September 27 October 13 Northing:

Elevation(mSL):

N 2,619.582

Depth

Lithology

Mineralization & Alteration

Drilled by DMMR/BRGM

200 Andesitic lapilli tuff, gray, partly tuff breccia, massive, with q uartz-eye (size: 0.5-1cm), lava? Plagioclases are weakly ep 11 11 11 11 205 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 u u u u 210 11 11 11 11 212.30 11 11 11 11 212.30-213.50m: Lapilli tuff, layered, weakly silicified. 213.10- .20m: Chloritized part, with chalco 213.50 pyrite veinlets, (Cu 1.36%). 213.65- .85m: Chloritized part, with chalco pyrite veinlets, (Cu1.34%). 215 >>>>>>> 215.00 215.00- .15m: chalcopyrite-quartz veinlet, u u u u u u u u u u u u (Cu 0.64%). 77 77 77 217.05m: chalcopyrite vein, width 1cm, (21 7.00-. 10m: Cu 0.76%). Andesitic lapilli tuff, gray-dark gray, partly tuff breccia, mass ive, with quartz-eye (size: 0.5-1cm) sporadically, lava? Plagi 11 11 11 11 11 11 11 11 11 11 11 11 clases and fragments are weakly epidotized. 222T: Andesit 220 e lapilli tuff, weakly meta, clastic to porphyritic. 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 <222T 11 11 11 11 11 11 11 11 11 11 11 11 225 11 11 11 11 11 11 11 11 226.80m: chalcopyrite vein, width 1cm, (22 6.75- .85m: Cu3.28%). 227.25 227.25-228.05m: Chalcopyrite bearing quar 228.05 tz veins, three veins (width 0.2-1cm). 11 230 Andesitic lapilli tuff, greenish gray, containing andesitic frag ments (size: 0.5-2cm) and quartz-eyes (size: 0.5-1cm), ma ssive. 231.65 11111111 Andesitic coarse tuff, greenish dark gray, partly layered lapi uuun uuuu Ili tuff, with quartz-eye (size: 0.5-1cm). 234.30 235 Andesitic lapilli tuff, greenish gray, andesitic fragments (siz e: <3cm), wealdy epidotized, slightly layered. Dolerite dike, greenish gray. 236.00 236.50 11 11 11 11 <238T Andesitic lapilli tuff, greenish gray, fragments (size: <2cm), weakly epidotized, layered, epiditized plagioclase until 239.2 0m. 238T: Andesite lapilli tuff, weakly meta, clastic to porp 239.20 240 byntic. Dacitic coarse tuff-lapilli tuff, greenish light gray, layered. 241.20 241.20-242.80m: Weakly chloritized, with c halcopyrite veinlets, Cu very low. Dacitic coarse tuff, dark green. 242.80 245 Dacitic lapilli tuff-coarse tuff, greenish gray, layered, contai ning lenticular silicic rock fragments (1cm thick).

Drill Hole No.:

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Drilled by DMMR/BRGM

Depth

Lithology

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250			
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""""""			
" " " " " " " " " " " " " " " " " " "	253.45	Davis Mar Calabarra	
- "" "" "	253.70	Basic dike, light green.	
255 - ",",","			
" " " " "	` 1	Dacitic lapilli tuff, greenish gray, layered, containing lenticul	
"" "" "" "" "" "" "" "" "" "" "" "" ""	`	ar silicic rock fragments (1cm thick), with quartz-eyes. 25	
""""""	`."	9T: Dacitic lapilli tuff, strongly by carbonete, clastic to porp hyritic.	
]","","	```		
,,,,,,	₹ <259 T		
260 - "" "" "	`		
	269.99	Weakly silicified.	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u>.</u> 1	Dacitic lapilli tuff, greenish gray, containing lenticular silicic	
"""""	263.50	rock fragments and quartz-eyes.	
- "" "" "	263.75		263.5075m: Pyrite veinlets, few chalcopy
265 - "``"			rite.
, , , , , , , , , , , , , , , , , , ,	3		263.75-267.05m: Chalcopyrite veinlets, sp oradic.
"""""	267.05		
A"A"A"	267.05 267.50	267.0550m and 267.7090m: Basic dike, greenish light gray.	
""""			
"""""	3		
270 - "".	4	Dacitic coarse tuff, greenish dark gray, with quartz-eyes.	
- " " " " " " " " " " " " " " " " " " "			·
-""""	3		
	272.70		272.70-273.25m: chloritized veinlets, cont
	£73:65	Weakly silicified.	aining chalcopyrite, (Cu 1.11%).
275	1		
// // // // // // // // // // // // //	4	Dacitic coarse tuff, greenish dark gray, containing thin chl orite layers and quartz-eyes.	
""""""	276.55	Bedded chlorite layer and fine tuff.	
AMAMA*	277.35	Basic dike, dark green.	
AAAAA	278.45		
***	278.95 279.35		278.95-279.35m: Chloritized, chlcopyrite v
280			einlets, (Cu 2.72%). 279.1m: <279P.
1888		Rhyodacitic coarse tuff, greenish gray, layered, white spott	
1222	<282T	ed. 282T: Rhyodacite coarse tuff, silicified, clastic to porp hyritic.	
15555		nyrido.	
	283.80	Character design	
285	<u> </u>	Sheared part, clayey.	
	285.70		285.70-286.75m: Pyrite rich, pyrite 10%. 2
(((₹ 389 :35		85.8m: <285X.
0000	Ÿ	Sheared part.	
V V V V	<288T		
10000	v	Dacitic dike? light green, plagioclase 1mm, siliceous, hard,	
290 - ****	v v	massive. 288T: Dacite, weakly meta, porphyritic.	
0000	v v		
- 0000	202 30		292.3060m: Pyrite banded, pyrite 10%.
	292:38 293:00	Brecciated rhyodacitic tuff, light green, clayey.	292.60-293.00m: Banded pyrite and tuff, py
1222	.]	Signature my coacide will, light green, clayey.	rite 30%. 293.00-294.25m: Pyrite veinlets.
295 –	294.25	Silicified tuff, weakly brecciated.	294.25-295.15m: Pyrite veinlets.
	295.15		
	<296T		
1888			
1222	1	Rhyodacitic tuff, light green, with chlorite layers. 296T: Rh	
1888		yodacite tuff, weakly meta, clastic to porphyritic.	
300	١		

MJSU-4 September 27 Easting: Northing: E 709.167 N 2,619.582

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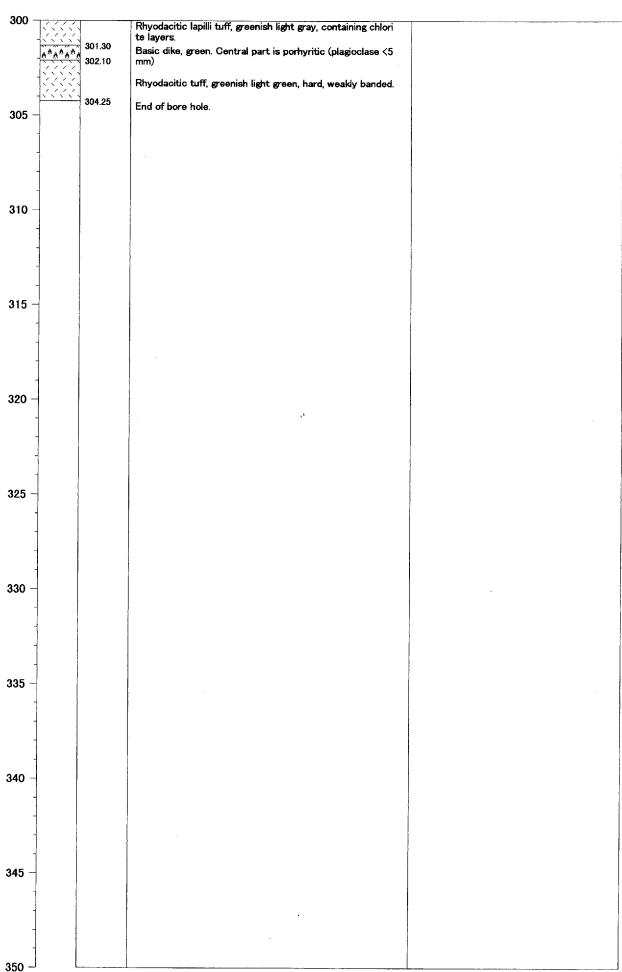
Elevation(mSL):

958

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-5 September 28 Easting: Northing: E 709.148 N 2,619.738

Date Completed:

October 12

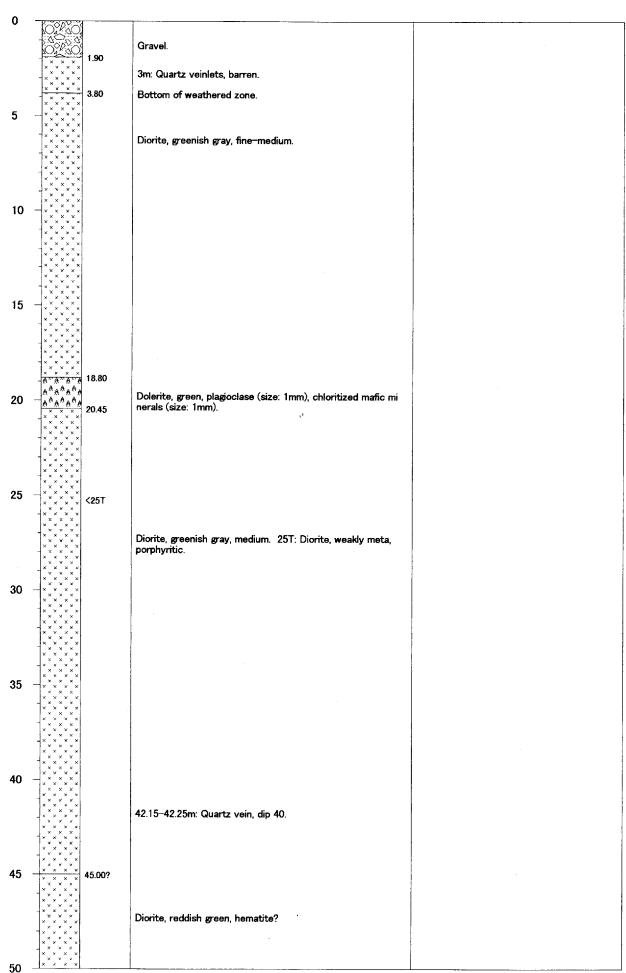
Elevation(mSL):

963

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-5 September 28 Easting: Northing: E 709.148 N 2,619.738

Date Completed:

October 12

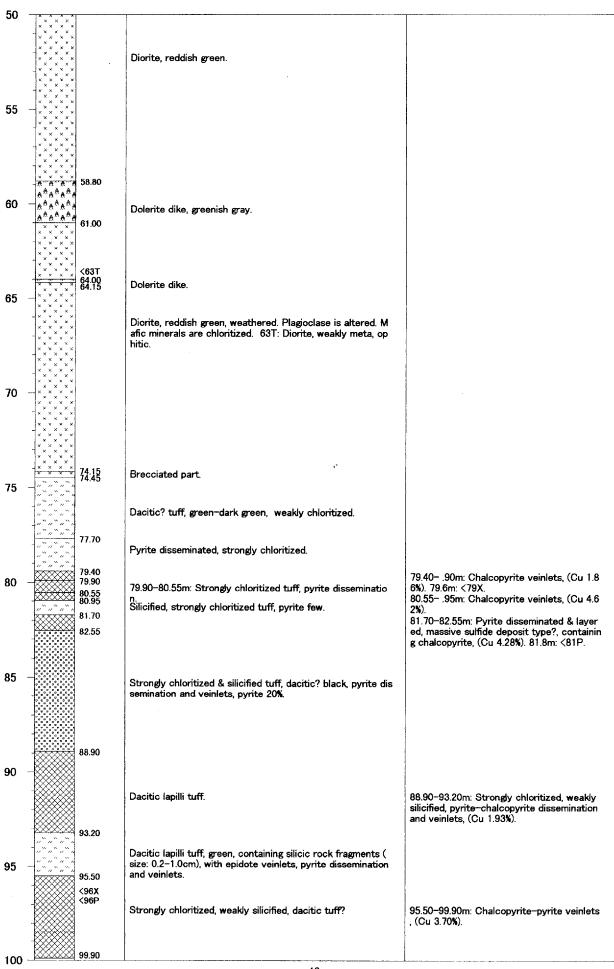
Elevation(mSL):

963

Drilled by DMMR/BRGM

Depth

Lithology



Drill Hole No.:

Date Completed:

MJSU-5

Easting.

E 709.148

Date Started:

September 28 October 12

Northing:

Elevation(mSL):

N 2,619.738

963

Drilled by DMMR/BRGM

Depth

Lithology

100	11 11 11 11	4	Sheared lapilli tuff, weakly chloritized, pyrite disseminated.	
	"""""	101.00	Officer of raphilited in weardy contributed, pyrice dissertificated.	
	""""	101.00		
	""""	1		
	""""	1		
	- ", ", ", ", ", ", ", ", ", ", ", ", ",]		
	11"11"11"1	1		
	"""""			
105	<i>⊣″``.″``.″``.′</i>	1		
	11 11 11 11	1		•
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1		
	"""""			
	""""""	1		
	""""""	4		
	11" 11" 11" 1	1	Dacitic coarse tuff-lapilli tuff, dark green, banded, with quar	
	1","","		tz-eye (size: 0.5-1.0cm).	
	0 0 0	109.65		109.6585m: Chalcopyrite veinlets, width
110	- " " " " <i>"</i> " <i>"</i>	1		1–5mm.
]u"u"u"i	ł		1 Ollins.
	11" 11" 11" 1	1		
	\"\"\\"\"\"\"\	1	m	111.90m: Chalcopyrite vein, width 5mm.
	0 0 0 0	‡	Dacitic coarse tuff, greenish dark gray, containing chlorite	112.6070m: Chalcopyrite veinlets, width
	10.000	1	patches (size: 2-3mm), with quartz-eye (size: 0.3-1.0cm).	112.0070m. Charcopyrite veinlets, width
	11.11.11.11		Chalcopyrite veinlets are sporadically distributed.	Nom.
	7/1 // // //	114.50		114.3550m: Chalcopyrite vein, width 7m
115		114.50		m.
	11.11.11.11			***
	\""""	<115T		
	"""""			116.50m: Chalcopyrite vein, width 1-2mm.
	"""""			
	"""""""			
	11"11"11"1		Lapilli tuff, dark green, containing silicic rock fragments (siz	
	-1","","		e: 5-10mm), with quartz-eye (size: 0.7-1.0cm). 115T: Daci	
	" " "		tic lapilli tuff, weakly meta, clastic to porphyritic.	
120	T			
	1. " " " "		, a	İ
	11" 11" 11" 11			
	- 11 11 11 11 11	121.70		
	111111111		Andesitic lanilli tuff with quartz-ove enidetimed placingless	
	- 11 11 11 11 11		Andesitic lapilli tuff, with quartz-eye, epidotized plagioclase (size: 2-3mm), epidotized fragments (size: 0.5-0.7cm), silici	
	111111111111111111111111111111111111111	44047	c rock fragments are very few. 124T: Andesite lapilli tuff,	
		<124T 124.40	weakly meta, clastic to porphyritic.	
125 -			Wouldy Mote, classe to porphyride.	
	11"11"11"1			
	-11"11"11"11		I spill tuff dark mann size of from outs /1 am with must	
	"""""		Lapilli tuff, dark green, size of fragments: <1cm, with quartz	
	""""		3,0	
	""""""	100.05		
	11 11 11 11 11	128.35 128.40	Chloritized part, with chalcopyrite+pyrite veinlets.	
	-111111111	120.10	Andesitic lapilli tuff, greenish dark gray, epidotized fragment	
120	111111111111111111111111111111111111111	129.85	s (size: 0.5-4.0cm), with quartz-eye.	
130 -	""""""	120.00	5 (5)26. 0.0 4.00m/, wrot qual & eye.	
	,,",",",			
	""""""""""""""""""""""""""""""""""""""		Lapilli tuff, dark green, containing silicic rock fragments (siz	
	∃″″″″		e 5-7mm) sporadically, partly banded, with epidote veinlets.	
	""""""			
],",",",			
	Ju" u" u" a			
	""""			
135 -	-/", ", ", "			
	["""""]			
	"."."."			
	10000	136.70	Andesitic lapilli tuff, dark green, greenish white altered plagi	
	N 11 11 11 11	137.60	oclase (size: 2-5mm), andesitic? fragments (size: 0.5-3.0c	
	******	<137.00 <138T	m), with small quartz.	
	AAAAA	1301	Dolerite, greenish gray, with calcite veinlets. 138T: Dolerit	
	4444	139.20	e, weakly meta, ophitic.	
140 -				
	VVVV			
	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Dacite lava? massive planical	
	100000		Dacite lava?, massive, plagioclase phenocryst (size: <1mm).	}
	100000			
	. v v v v	140 15		
	7 7 7	143.15	143.1550m: Fine tuff, light green, silicified.	
	111111111	143.70	143.5070m: Chloritized part, quartz vein network, barren	
145	00000			
145 -	""""		Andesitic lapilli tuff, dark green, containing epidotized ande	
	100000		sitic rock fragments (size: 0.5-2.0cm), epidotized plagioclas	
	nnani)		e (size: 2-3mm), and quartz-eye, chloritized.	
	Januar			
	00000		,	
	11 11 11 11 11			
	n a a a			
	111111111111111111111111111111111111111		1	
150 -	" " " " "			

MJSU-5

September 28

Easting: Northing: E 709.148 N 2,619.738

Date Completed:

October 12

Elevation(mSL):

963

Drilled by DMMR/BRGM

Depth

Lithology

150 -				
	11 11 11 11	1		
	11 11 11 11		Choritized tuff, black.	
		151:39	Chorazed with black.	151.30-151.65m: Pyrite-chalcopyrite veinl
	11/11/11/11	1		ets.
	11 11 11 11 11	1		
	11 11 11 11	1		
155 -	11 11 11 11	7		15100 011 11 11 11 11 11
100	0.00.00	1		154.90m: Chalcopyrite pyrite vein, width 1
-	nnnn.	1		Citi
	11 11 11 11 11	1		
	11 11 11 11 11	1		
	11 11 11 11 11	1		
-	11 11 11 11 11	1		
160 -	anan.	1		
	11 11 11 11 11	1	Andesitic lapilli tuff, greenish dark gray to greenish gray, partly coarse tuff, containing epidotized fragments (size: 0.5-	
-	aaaa.	1	1.0cm), epidotized plagioclase (2–3mm), with quartz-eye. 1	
-	11 11 11 11 11	1 .	65T: Andesite lapilli tuff, weakly meta, clastic to porphyritic.	•
	11 11 11 11 11	1		
	11 11 11 11 11	1		
-	11 11 11 11 11	1		
165 –	111111111	<165T		
	11 11 11 11 11	1		
-	munn.	1		
-	11 11 11 11 11	1		
_	11 11 11 11 11	1		
	11 11 11 11	1		
-	11 11 11 11 11	1		
170 –	11 11 11 11 11	1		
_	11 11 11 11 11 1	1		
	11 11 11 11 11	1		,
-	11 11 11 11 11	1		
_	11 11 11 11 11 1	17000		
	****	4	Basalt-dolerite dike, greenish dark gray, with calcite veinle	
-	****	174.30	ts.	
175 –	11 11 11 11 11	1		
_	11 11 11 11 11	1		
	11 11 11 11 11	1		
	11 11 11 11 11	1	Andesitic lapilli tuff, greenish dark gray, containing epidotiz	
4	00000	j	ed andesitic fragments (size: 0.5-3.0cm), with quartz-eye (
	11 11 11 11 11	}	size: 0.7–1.2cm).	
	11 11 11 11 11 11	1		
180 –	11 11 11 11 11	1		
-	11 11 11 11 11 1	1		
	11 11 11 11 1	181.85		
7	11 11 11 11	1	Bedded coarse tuff, greenish light gray, with very small flat	
-	" » " » " » " »	182.90	chlorite patches, dip 20.	
	""""""""			
7	11 11 11 11		Dacitic coarse tuff, greenish gray.	
]	""""""""""""""""""""""""""""""""""""""	184.70		
185 -	11 11 11 11 11 11	184.70 185.55	Dacitic coarse tuff, greenish gray.	
185 — -	"""""""	105.55		
185 -	""""""""""""""""""""""""""""""""""""""		Dacitic coarse tuff, greenish gray. Silicified part.	
1 85 -	11 11 11 11 11 11 11 11 11 11 11 11 11		Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, contai	
185 - -	11 11 11 11 11 11 11 11 11 11 11 11 11		Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagi	
85 -			Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, contai	
		185:85	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagi	
-		185.85 190.20	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5–1.0cm), plagioclase (size: 2–3mm), with quartz-eye.	
90 -		185.85	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black.	
90 -		185.85 190.20 190.35	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5–1.0cm), plagioclase (size: 2–3mm), with quartz-eye.	
90 -		185.85 190.20	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black.	
90 -		185.55 190.20 190.35	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff.	
90 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff.	
190 -		185.55 190.20 190.35	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5–1.0cm), plagioclase (size: 2–3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35.	
90 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5–1.0cm), plagioclase (size: 2–3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35.	
190 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35. Andesitic coarse tuff, greenish dark gray, epidotized plagioclase (size: 2-3mm), with quartz-eye. 194T: Andesite lapilli	100 50, 200 20 21
185 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5–1.0cm), plagioclase (size: 2–3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35.	196.50-200.30m: Strong chloritization.
190 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35. Andesitic coarse tuff, greenish dark gray, epidotized plagioclase (size: 2-3mm), with quartz-eye. 194T: Andesite lapilli tuff, weakly meta, clastic to porphyritic.	196.50-200.30m: Strong chloritization.
90 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5–1.0cm), plagioclase (size: 2–3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35. Andesitic coarse tuff, greenish dark gray, epidotized plagioclase (size: 2–3mm), with quartz-eye. 194T: Andesite lapilli tuff, weakly meta, clastic to porphyritic.	196.50-200.30m: Strong chloritization.
90 -		190.20 190.35 192.20 192.25	Dacitic coarse tuff, greenish gray. Silicified part. Andesitic lapilli tuff-coarse tuff, greenish dark gray, containing epidotized andesitic fragments (size: 0.5-1.0cm), plagioclase (size: 2-3mm), with quartz-eye. Strongly chloritized part, sheared, black. Andesitic lapilli tuff. Quartz vein, barren, width 4cm, dip 35. Andesitic coarse tuff, greenish dark gray, epidotized plagioclase (size: 2-3mm), with quartz-eye. 194T: Andesite lapilli tuff, weakly meta, clastic to porphyritic.	196.50-200.30m: Strong chloritization.

MJSU-5 September 28 Easting: Northing: E 709.148

Date Completed:

October 12

Elevation(mSL):

N 2,619.738 963

Drilled by DMMR/BRGM

Depth

Lithology

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	11111111	ļ.		
	11/11/11/11	1		
205 -	11 11 11 11 11	1		204.60-205.25m: Chloritized part.
	10000			
	111111111	ļ		
	111111111			
	111111111	1	Andesitic lapilli tuff, greenish gray, partly tuff breccia, conta	
	1111111111		ining epidotized andesitic fragment (size: 0.5-6cm), with epi	
	111111111		dotized plagoclase. Quartz-eyes (size: 5-10mm) are spora	
	111111111	1	dically distributed. 210T: Andesite lapilli tuff, weakly meta, c	1
210 -	11 11 11 11 11		lastic to porphyritic.	
210	111111111111111111111111111111111111111	<210T		
	111111111			}
	111111111			
	11 11 11 11 11			
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	11/11/11/11			
	111111111111111111111111111111111111111			
215	111111111			1
-10		215.40		
	Jununi		0	
	111111111		Coarse tuff, greenish dark gray, with quartz-eye, containin	
	1111111111	217.20	g chlorite patches.	
	XXXX	217.20 217.35	217.35-218.30m; Silicifiled part (coarse tuff).	217.2035m: Chloritized part, black, pyrite
	$\times\!\!\times\!\!\times\!\!\times$	218.30	Tributa pare (doardo mil).	disseminated, pyrite 5%.
	11 11 11 11 11	218.90	Layered fine tuff, gray.	
-	11 11 11 11	210.90		
220 -	11 11 11 11			}
LLU	0 0 0 0			
	11 11 11 11		All at 1 5 that 11 miles	
	" " " "		Alternating bed of epidotized lapilli tuff and coarse tuff. Qua	
	0 0 0 0		rtz-eyes (size: 5-10mm) are sporadically distributed.	
	11 11 11 11			222.40m: Pyrite-chalcopyrite (few) dissemi
-	11 11 11 11			nated, 2-3cm width.
	0 0 0 0			
	11 11 11 11			
225 -	" " " "			
	" " " " "	225.35	Fine tuff, light gray, laminated.	
-	11 11 11 11		the tank agree gray, tank acou.	220 PO-222 DOm: Weakly alliated abeleany
	" " " "	226.75		229.80-233.90m: Weakly silicified, chalcopy
-	"		İ	rite veinlets are partly distributed.
_	[""""]			
	,,",",		Dacitic coarse tuff, greenish dark gray, with quartz-eye.	233.90-234.00m: Chalcopyrite veinlets.
-	""""""			
	""""""	000.00		
230 -	"."."."	229.80	Quartz-eye until 230.70m.	224 FO-225 20m; Chronidy obligational part
	" " " "	230.70	ddar az bye ariar 200.70m.	234.50-235.30m: Strongly chloritized part, pyrite disseminated, pyrite 25%.
_				pyrice disseminated, pyrite 25%.
-			Rhyodacitic tuff?, light green, weakly silicified, no quartz-e	
-	$\mathbb{K}(\mathbb{K}(\mathbb{K}))$		ye.	235.30-235.65m: Weakly silicifiled, containi
_	KKK (1			ng chalcopyrite veinlets, (Cu 3.24%).
-	11///			· · · · · · · · · · · · · · · · · · ·
	1 1 1 1 1			
4	***************************************	233.90	234 00- 50m: Waakhy silinifind	226.05_226.20m. Oblanking J
005		233.90 234.50	234.0050m: Weakly silicified	236.05-236.20m: Chloritized part, containi
235 -		234.50 235.30	234.0050m: Weakly silicified	ng chalcopyrite veinlets, (Cu 1.06%). 236.1
235 -		234.50 235.30 235.65	234.0050m: Weakly silicified	
235 -		234.50 235.30 235.65		ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X.
235 -		234.50 235.30 235.65 236.05 236.20	234.0050m: Weakly silicified Coarse-fine tuff, greenish light gray, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1
235 -		234.50 235.30 235.65		ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay
235 -		234.50 235.30 235.65 236.05 236.20		ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%)
235 - - -		234.50 235.30 235.65 236.05 236.20	Coarse-fine tuff, greenish light gray, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing cha
235 -		234.50 235.30 235.65 236.05 236.20 237.30 238.55	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film.
- -		234.50 235.30 235.65 236.05 236.20 237.30	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrit
- - -		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrit
- - -		234.50 235.30 235.65 236.05 236.20 237.30 238.55	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing cha Icopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered p
- - -		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrit
- - -		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing cha lcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%).
- - -		234.50 235.30 235.65 236.05 236.20 237.30 238.55 239.20 240.45	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%).
235 - - - 240 -		234.50 235.30 235.65 236.05 236.20 237.30 238.55 239.20 240.45	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified,
- - -		234.50 235.30 235.65 236.05 236.20 237.30 238.55 239.20 240.45 241.80	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%).
- - -		234.50 235.30 235.65 236.05 236.20 237.30 238.55 239.20 240.45	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing cha lcopyrite film. Chloritized part, layered pyrit e, pyrite 35%, (Cu 0.51%). 239.5575m: Chloritized part, layered pyrit e, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified,
240		234.50 235.30 235.65 236.05 236.20 237.30 238.55 239.20 240.45 241.80	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified,
240		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20 240.45 241.80	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified,
240		234.50 235.30 235.65 236.05 236.20 237.30 238.55 239.20 240.45 241.80	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30–238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.20–.35m: Silicified part, containing chalcopyrite film. 239.55–.75m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95–240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80–243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite.
240		234.50 235.65 235.65 236.05 236.20 237.30 238.55 239.20 240.45 241.80 243.90	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite.
- - -		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20 240.45 241.80	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Gu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite.
240		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20 240.45 241.80 243.90 245.65 <246X	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing cha lcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite.
240		234.50 235.65 235.65 236.05 236.20 237.30 238.55 239.20 240.45 241.80 243.90	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded. Rhyodacitic lapilli tuff, greenish gray, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite.
240		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20 240.45 241.80 243.90 245.65 <246X	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded. Rhyodacitic lapilli tuff, greenish gray, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.20 35m: Silicified part, containing chalcopyrite film: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.55 75m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite. 245.65-247.70m: This interval contains se veral chloritized parts (1-5cm thick), mainly pyrite, few chalcopyrite, (Cu 1.02%).
240		234.50 235.30 235.65 236.05 236.05 236.20 237.30 238.55 239.20 240.45 241.80 243.90 245.65 <246X	Coarse-fine tuff, greenish light gray, banded. Dacitic lapilli tuff, greenish dark gray, few pyrite disseminate d. 239.7595m: Dacitic lapilli tuff, pyrite disseminated. Rhyodacitic tuff, banded. Rhyodacitic lapilli tuff, greenish gray, banded.	ng chalcopyrite veinlets, (Cu 1.06%). 236.1 m: <236P. 236.1m: <236X. 237.30-238.55m: Chloritized part, black, lay ered pyrite, pyrite 20%, (Cu 0.66%) 239.2035m: Silicified part, containing chalcopyrite film. 239.5575m: Chloritized part, layered pyrite, pyrite 35%, (Cu 0.51%). 239.95-240.45m: Chloritized part, layered pyrite, pyrite 30%, (Cu 0.54%). 241.80-243.90m: This interval contains se veral chloritized parts (5cm thick), silicified, pyrite disseminated, very few chalcopyrite.

MJSU-5 September 28

J-5 Easting:

Northing:

E 709.148 N 2,619.738

Date Completed:

October 12

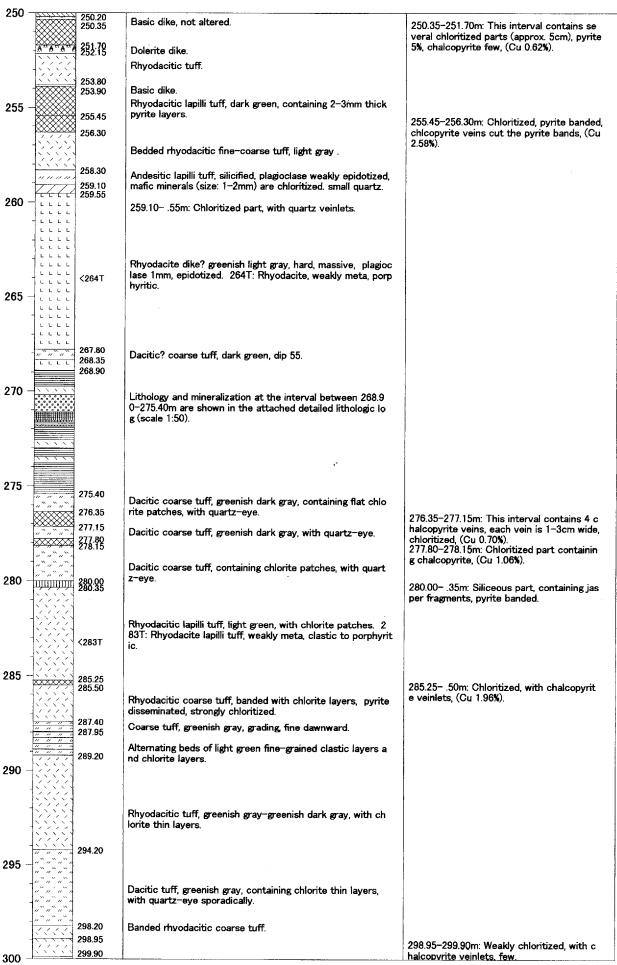
Elevation(mSL):

963

Drilled by DMMR/BRGM

Depth

Lithology



Drill Hole No.:

MJSU-5

Easting:

E 709.148

Date Started: Date Completed: September 28 October 12

Northing:

Elevation(mSL):

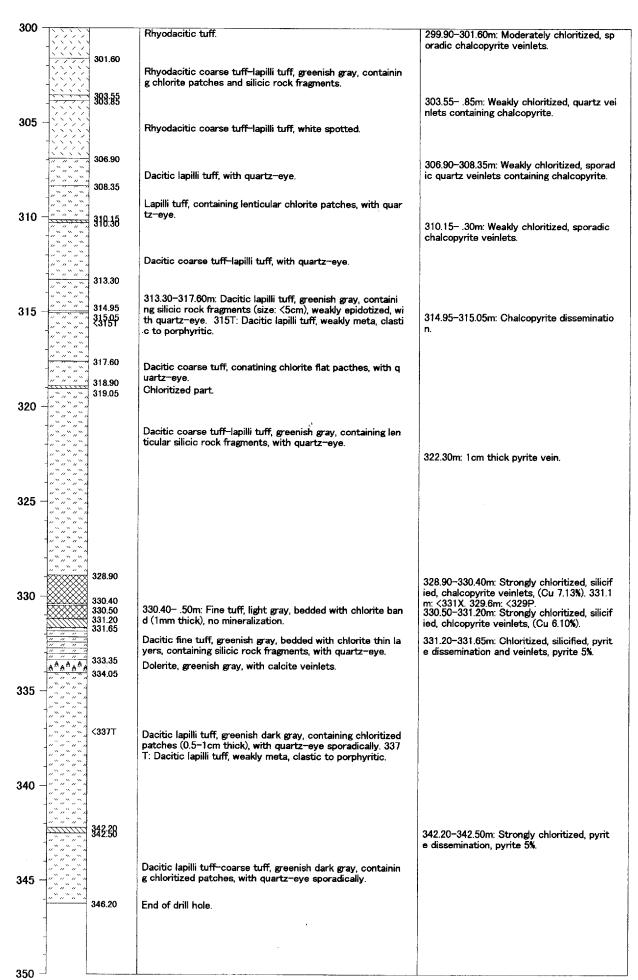
N 2,619.738

963

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-6

October 14

Easting: Northing:

E 708.555 N 2,617.812

Date Completed:

October 26

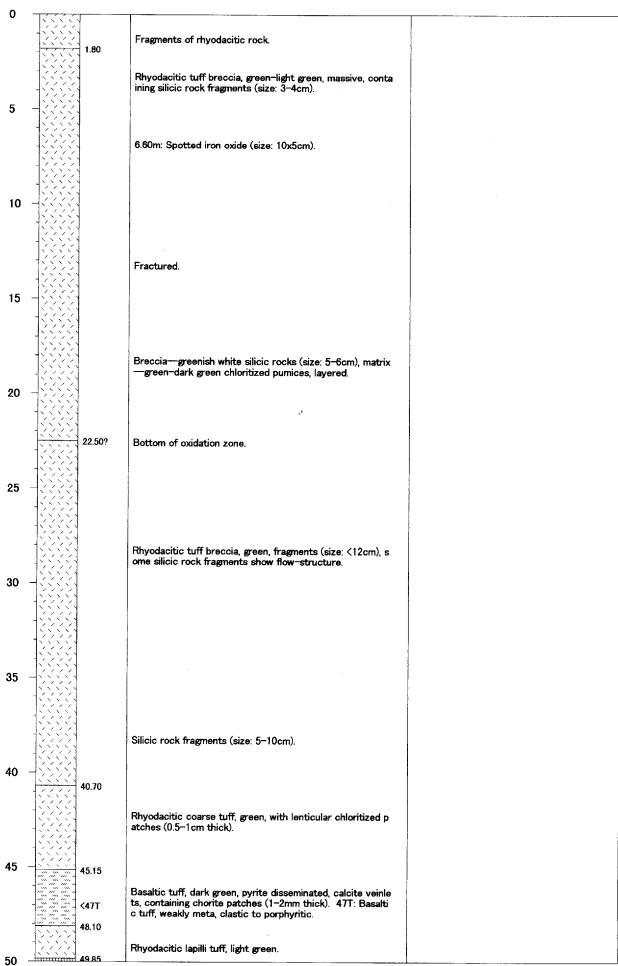
Elevation(mSL):

964

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-6 October 14 Easting: Northing: E 708.555 N 2,617.812

Date Completed:

October 26

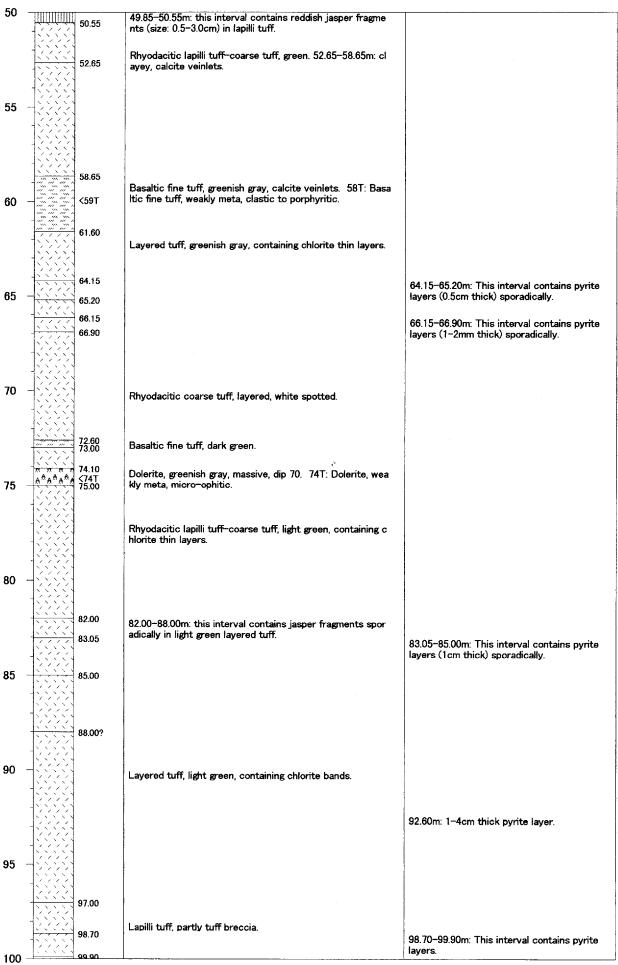
Elevation(mSL):

964

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-6

October 14

Easting: Northing: E 708.555 N 2,617.812

Date Completed:

October 26

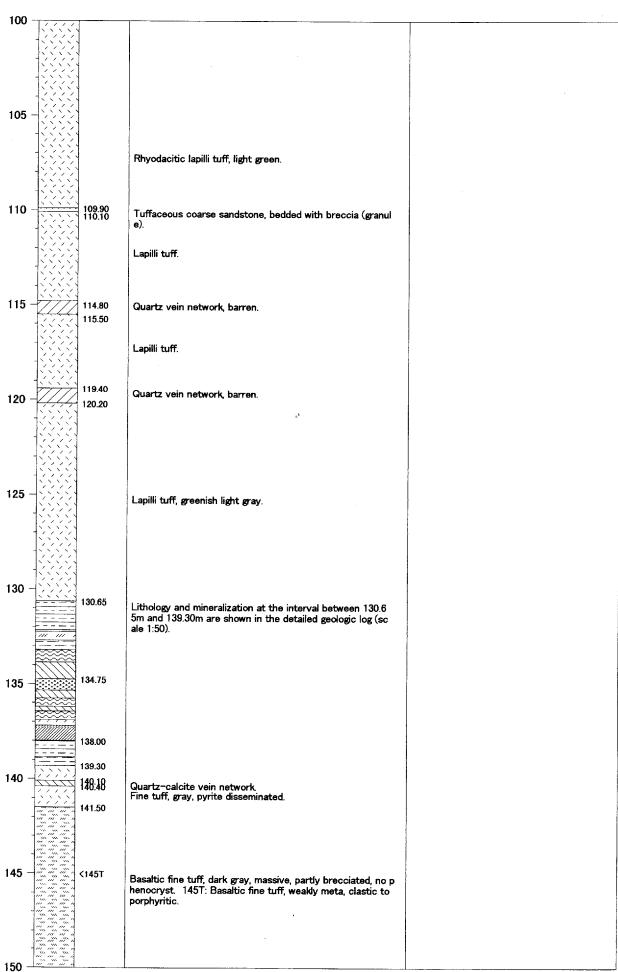
Elevation(mSL):

964

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-6 October 14 **Easting**

Northing:

E 708.555 N 2,617.812

Date Completed:

October 26

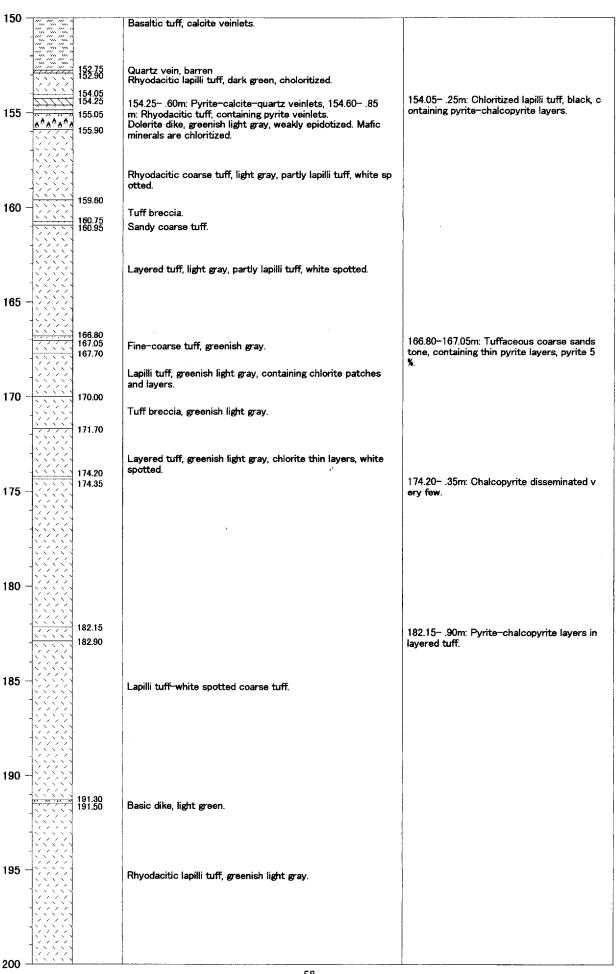
Elevation(mSL):

964

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-6

October 14

Easting: Northing: E 708.555 N 2,617.812

Date Completed:

October 26

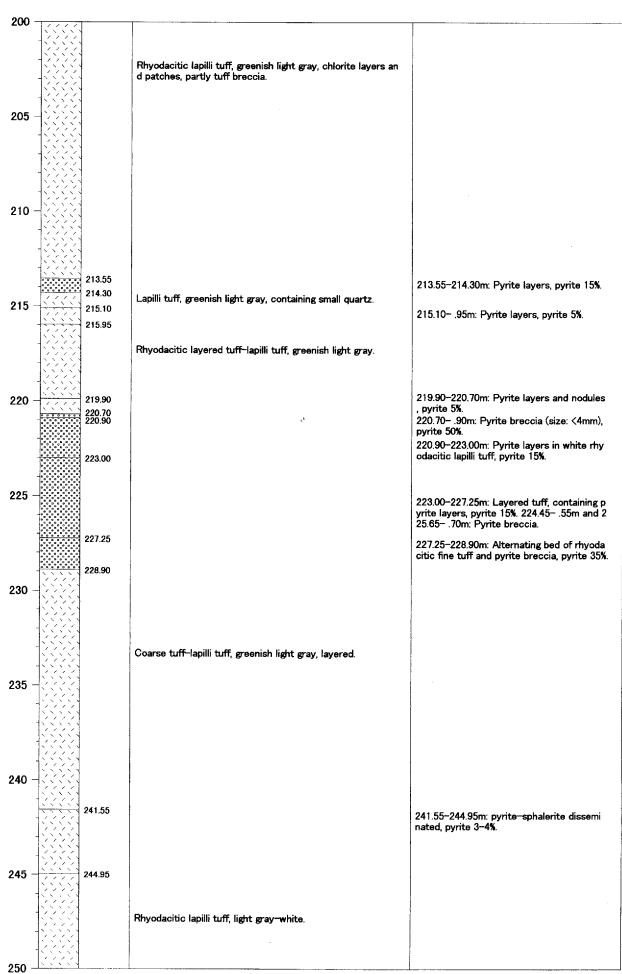
Elevation(mSL):

964

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-7

Easting:

E 708.792

956

Date Started: October 27
Date Completed: November 10

Northing:

Elevation(mSL):

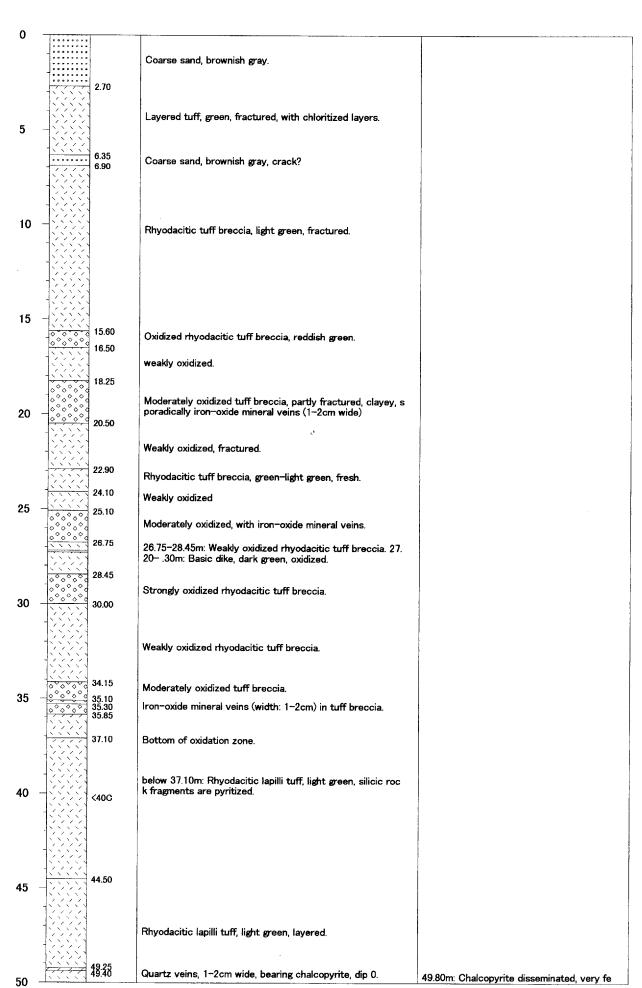
N 2,618.171

Depth

Lithology

Mineralization & Alteration

Drilled by DMMR/BRGM



MJSU-7 October 27 Easting:

Northing:

E 708.792 N 2,618.171

November 10 Date Completed:

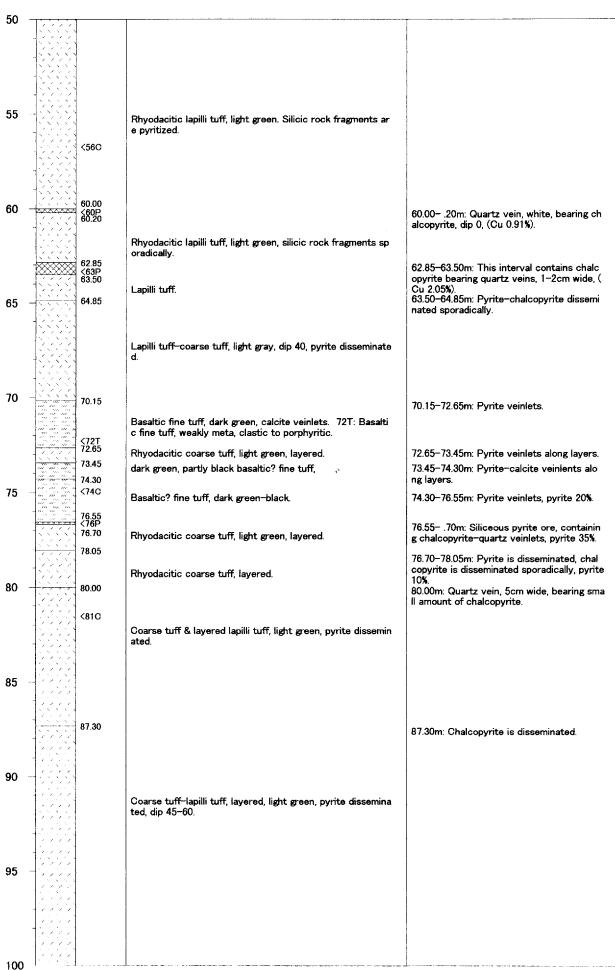
Elevation(mSL):

956

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-7 October 27 Easting: Northing: E 708.792 N 2,618.171

Date Completed:

November 10

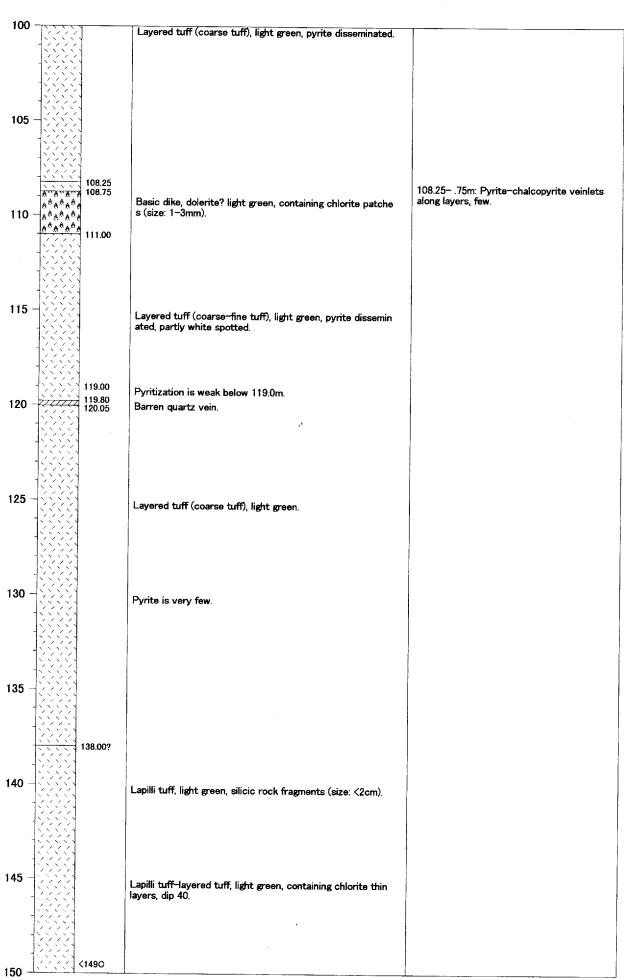
Elevation(mSL):

956

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-7 October 27 Easting: Northing: E 708.792 N 2,618.171

Date Completed:

November 10

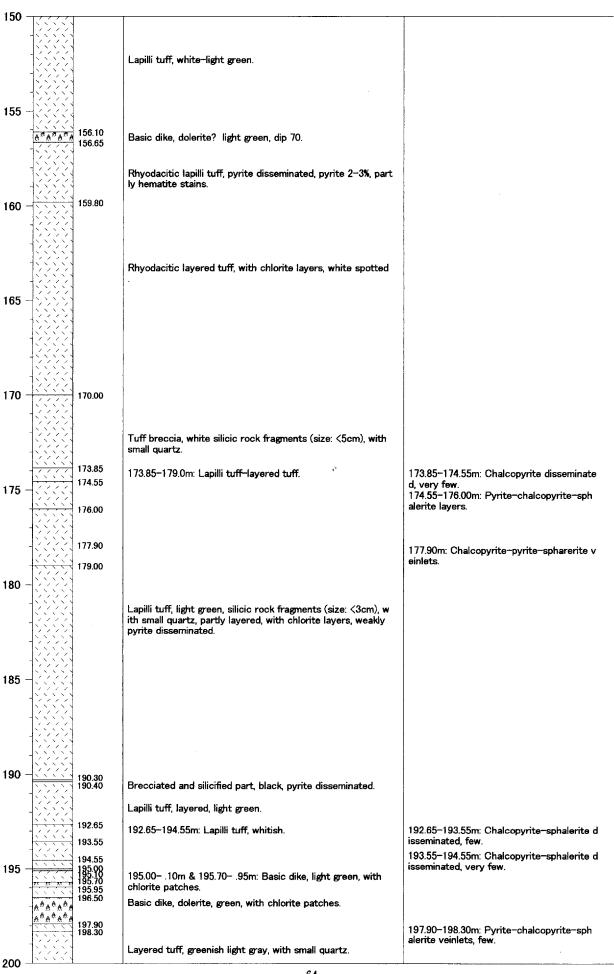
Elevation(mSL):

956

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-7

October 27

Easting: Northing: E 708.792 N 2,618.171

Date Completed:

November 10

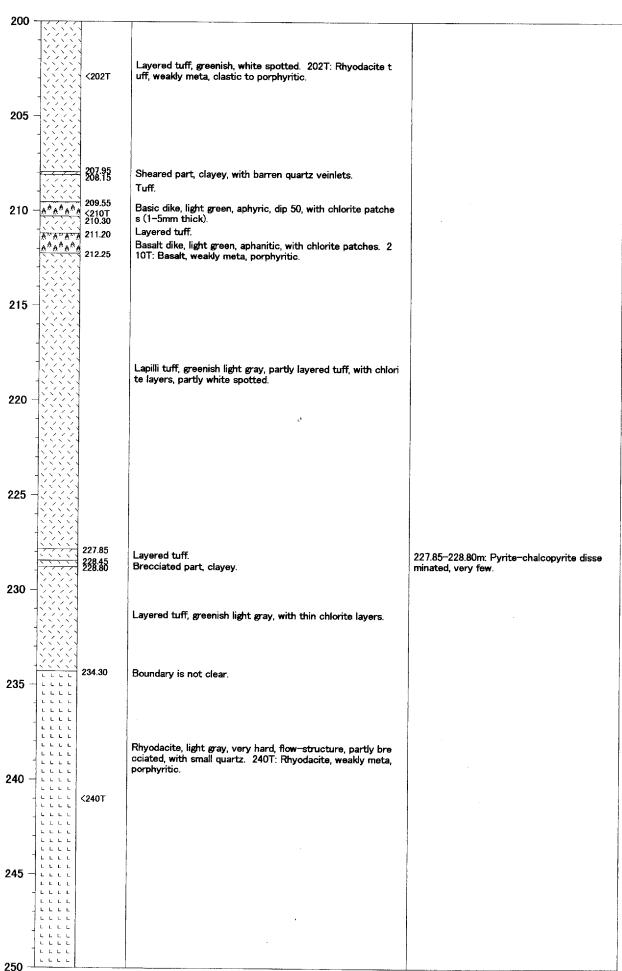
Elevation(mSL):

956

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-8

Easting:

E707.196

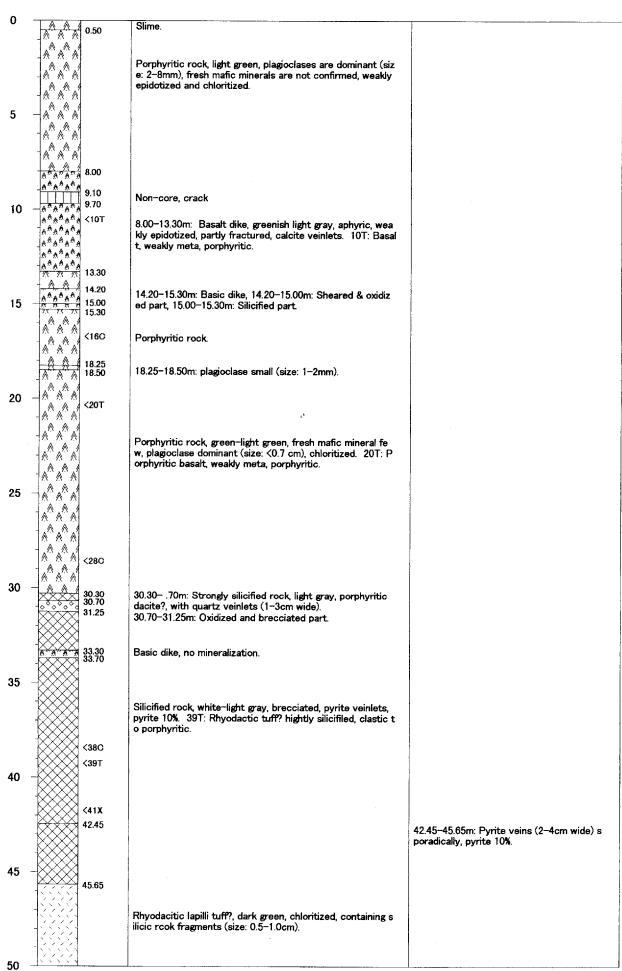
Date Completed:

October 30 November 13 Northing: Elevation(mSL): N2,620.623 955

Drilled by DMMR/BRGM

Depth

Lithology



MJSU-8

Easting:

E707.196

Date Completed:

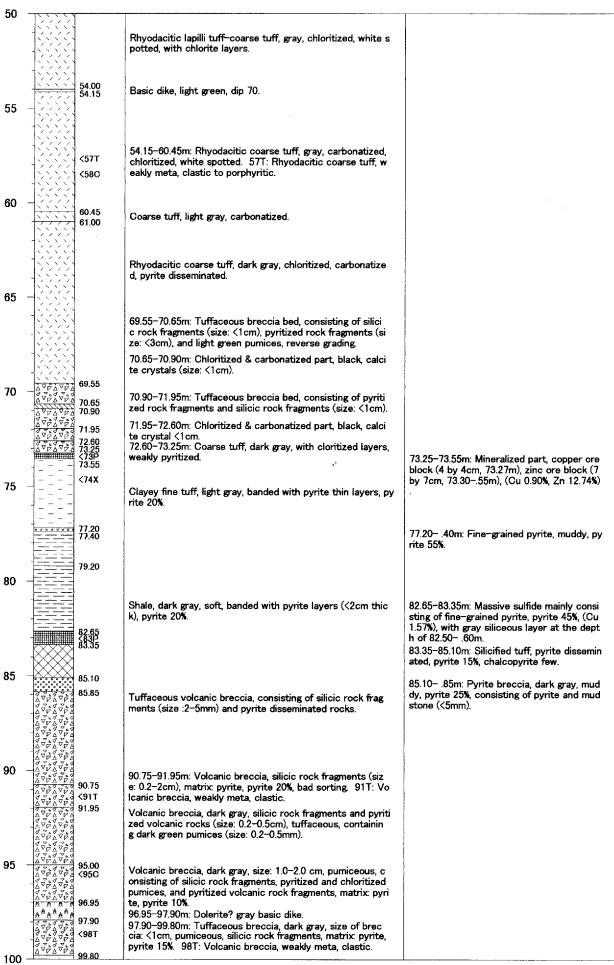
October 30 November 13 Northing: Elevation(mSL):

955

N2,620.623 Drilled by DMMR/BRGM

Depth

Lithology



MJSU-8

Easting:

E707.196

Date Completed:

October 30 November 13

Northing: Elevation(mSL): N2,620.623 955

Drilled by DMMR/BRGM

Depth

Lithology

100	\.\	99.80-101.10m: Pumiceous lapilli tuff, dark gray, pumice: lig	
	101.10	ht green and clavev, matrix, pyrite, pyrite 15%	
AAAA	101.80	101.1080m: Basic dike, dolerite? dark green	
1222		101.80-104.65m: Pumice tuff, dark gray, matrix: 10%, layer	
1///	$\langle \langle $	ed pyrite.	
	104.65		
105	184:95	104.65- 104.95m: Alternation of dark gray fine tuff (soft) a nd pumice tuff, dip 70.	
	SI	104.95- 107.40m: Pumice tuff, dark gray, light green pumic	
1	187.42	e layers, pyritized, pyrite 20%.	
17.77	187:55	107.4055m: Shale, dark gray, hard, pyrite veinlets.	
1222	(1)		
(((107.85-111.00m: Pumice tuff, dark gray, light green pumic	
_110 {{{{	$\langle \cdot $	e (size: 0.2-0.4cm), pyritized, pyrite 20%,	'
l x x x	À		
<u> </u>	*	111.0040m: Strongly silicified part, dark gray, shale? pyrit e veinlets, pyrite 10%.	
4 4 4	7.5 X	111.40-113.00m: Pumiceous breccia bed, dark gray, brecc	
	7 A 113.00	iated, silicified, pyrite veinlets, pyrite 10%	
VA V	7,54	113.00-114.05m: Breccia bed, partly silicified, pyrite veinle	
4000	114.05	ts, pyrite 15%.	:
115	700		İ
13.00	7 A		
344	7.50		
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7. A		
40000	704	114.05-124.45m: Pumiceous breccia, dark gray, breccia: si	
147°47	200	licic rock fragments (size: 0.5-1.0cm), light green pumice (
400 A 400 A	7₽4 7.⊾9	size: 0.2-0.4cm), pyrite veinlets, pyrite 10%.	,
120 - 4 5 5 5 5	7.59		
- 4 5 4 5	700	e e	•
4444	704		
2 0 0 0 0	704		;
4 5.7 4 2 - 7 4 2 4 4	7 Å		
44544	[74 25 <124C		•
105	124.45	124.45-125.80m: Silicified part, shale? dark gray, pyrite vei	
125 -	X	nlets, pyrite 5%.	
10 V 00 V	125.80	125.80-128.05m: Pumiceous breccia bed, size of fragment	
4 5 4 5 7 0 0 0 0	74	s: 0.2-0.7cm, chloritized pumice, pyrite 15%.	
4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	24		
47.42	128.05	128.05-129.55m: Clayey fine tuff, dark gray, bedded with py	
10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.50	rite thin layers.	
130 - 4 7 4 7	129.55	129.55-132.15m: Very strongly silicified part, ocher, origin:	
48.48	24	breccia bed and fine tuff?, size of fragments: 0.2-1.0cm.	
7000	20	132.15-133.00m: Pumiceous breccia bed, size of fragment	
4000	7 132.15	s: 0.3-2.0cm, size of pumice: <3.0cm, matrix: pyritized, pyrit e 20%.	
2000 0	(÷)	133.00-133.55m: Very strongly silicified part, ocher.	
V O CO O	133.00 133.55	133.55-134.30m: Silicified tuff, dark gray, containing pyrite	
DAL DA	134.30	bands (2.0-3.0 cm thick), pyrite 10%. 134.30-134.75m: Very strongly silicified part, ocher.	
135 - 47647	134.75		
4444	- V	134.75-137.70m: Pumiceous breccia bed, partly fine tuff, s ize of fragments: 0.2-1.0cm, pyrite veinlets, pyrite 5%.	
4000	PA	120 of fragilionics, 0.2-1.0cm, pyrite veinlets, pyrite 5%.	
12222	Ď		
VAPAA VADVA	137.70	137.70-138.85m: Breccia bed, dark gray, partly pumiceous,	
\$ \$ \$ \$ \$	7 400 CT	size of fragments: 2.0-4.0cm, silicified, pyrite veinlets, pyrit	
- A - B A V	138.85 7 139.35	e 10%.	
140 - 300	; 7	138.85-139.35m: Brecciated fine tuff, dark gray, pyrite few	
10000	, d	139.35-143.40m: Pumiceous breccia bed, dark gray, size of fragments: 0.2-1.5cm, pyrite veinlets, pyrite 10%.	
40,40	, S	Pyrice toning pyrice toning, pyrice ton.	
122220	24 <141X		
13448	24		•
	<143C 143.40	143.40-144.35m: Fine-coarse tuff, dark gray, pyrite disse	
ਤ ਦੇ ਤ ਦ	144.35	minated.	
145 - \$ 5 5 5	24	144.35–150.00m: Pumiceous breccia bed, dark gray, bad s	
44.74.2 70.274.2	P 4	orting, size of fragment 1.0~4.0cm, pyrite veinlets, pyrite 1 0%.	
V 4 2 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2		
44.44	200		
4000	20		
14 2 4 8 A	PÅ	·	
48.48 40.40	24		
150	v <u>4</u>		

MJSU-8 October 30 Easting: Northing: E707.196 N2,620.623

Date Completed:

November 13

Elevation(mSL):

955

Drilled by DMMR/BRGM

Depth

Lithology

150 -	ΔΦρΔΦρ	1	150.00-154.20m: Pumiceous breccia bed, partly fine tuff, s	
	\$ \$\frac{1}{2}\$		ilicic rock fragments (size: 0.2-0.8cm), pyrite veinlets, pyrit	
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1	e 10%.	
	4 3 7 4 5 7 4 5 7 4 5 7 4 5 7 4 5 7 4 5 7 5 7			
	4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
	24.25.25.2			
		154.20	154.20-155.45m: Pumiceous fine tuff, dark gray, soft.	
155 ~		155.45	455.45.450.75	
	4 7 4 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		155.45-158.75m: Pumiceous breccia bed, size of fragment s: 0.2-2.0cm, pyrite veinlets, pyrite 10%.	
			s. 0.2 2.00m, pyrice verillets, pyrice row.	
	\[\forall \begin{aligned} \[\sigma \forall			
	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
		158.75	158.75-159.95m: Alternation of breccia and fine tuff, dark	
160 -		159.95	gray, very strongly silicified.	
- טטו	V 2 V 4 V V	105.50		
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		159.95-168.65m: Pumiceous breccia bed, dark gray, partly	
	\$ 7 5 5 7 5 Z		siliceous fine tuff, size of fragments: 0.2-2.0cm, pyrite vein	
	47.47.		lets and disseminared, pyrite 10%.	
	A 2 A 2 A			
	486486			
165 -	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
	V 2 V 2 V 2 V			
	A A A A A A A A A A A A A A A A A A A			
-	A A A A A	<167C		
	V 2 V 2 V	(10/0		
	A V P A V P A	168.65		
-	2.5.2.5.2	100.00	168.65–169.20m: Siliceous coarse tuff, black, hard, containing quartz fragments (size: 0.1cm).	
170 -	A 4 A 4 A 4 A		Time qual to tragments (size. 0.1cm).	
	4 7 4 7 5 4		40000 470700 7707	
	4 7 7 7 7 7 6 A		169.20-172.50?m: Tuffaceous breccia bed, size of fragme nts: 0.2-0.6 cm, pyrite veinlets, pyrite 10%.	
-	47.47.0 47.47.4		incs. 0.2 0.0 cm, pyrice vennecs, pyrice row.	
-			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%.	
-	((((iets, pyrite Ja.	
175 -				
-	00.00.00		175 002-192 60m; Duminarus burgais had dade	
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		175.90?-182.60m: Pumiceous breccia bed, dark gray, partily fine tuff, size of fragments: 0.2-1.0cm, brecciated and sili	
-	44444		cified, bad sorting, pyrite veinlets, pyrite 5%.	
-	4545			
_	Q Q Q Q Q Q			
400	47.47.4			
180 –	4444			
-	0 0 0 0 0 0 0			
_	4444	<181C		
	Ž 7 7 Ž 7 7 Z	182.60	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	
185 –		<184X	ragments: 0.5-1.0cm, max. 4cm, pyritized, pyrite 10%.	. [
105		(,,,,,,,		
-	ΔΔ	186.05	186.05-199.00m: Porphyritic andesite, light green, plagical	
-	Λ Λ		ase dominant (1-6mm), chloritized pyroxene?, epidotized, p	
	^ ^ ^		yrite weakly disseminated. 192T: Porphyritic andesite, wea	
			kly meta, porphyritic	·
-	ΛΛ			
190	^ ^			
	Λ Λ			
-	^ ^			
-		<192T		
_	Λ Λ	<193C		
	^^^			
_	Λ Λ			
195 -	^ ^			
	^ ^			
-	Λ Λ.			
-				
_	. ^ . ^			·
_	4 % r 4 % r 4			
200 -	ΔΑΔΥΔΥ			
			-70-	

Drill Hole No.:

MJSU-8

Easting:

E707.196

955

Date Started:

Date Completed:

October 30 November 13 Northing:

Elevation(mSL):

N2,620.623

Drilled by DMMR/BRGM

Depth

Lithology

200	V A V V A A V	4		
	4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	\$		
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	<u>স্বুত্ব</u>		
	20000	0 0		
	40000	84		
	42.42.	र्थ ब		
205	A A B A A B	4	100 00-211 15 Duning and here in the first	
	4 7 7 4 V	4	199.00-211.15m: Pumiceous breccia bed, dark gray, green -light green pumice (size: 0.2-5.0cm), size of fragments: 0.	
	2 2 5 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	206C	2-2.0cm, pyrite veinlets, pyrite 5%, 207T; Pumiceous voic	
	4 7 5 4 7 5	À	anic breccia, weakly meta, clastic.	
	2 7 5 5 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	€ <207T		
	47.47	V		
210 -	4 7 A 7 A	à		
210	A P A P P	2		
	A V PA V P	211.15 211.55	211.1555m: Coarse tuff, dark gray, silicified, with chlorite	
	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		patches (size: 0.2-0.5cm).	
	- ^ ^ ^	Ì		
	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		
015	A /	1		
215 -	1 ^ ^ ^	1		
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		10100		
	1 ^ ^ ^	<218C		
220 -	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Y	211.55-228.45m: Andesite, light green, intrusive, white pat	
	1 1 1	1	ches (size: 1-2mm, plagioclase?). 226T: Andesite, weakly	
			meta, porphyritic.	
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	1 A A			
225 -	\ \^ \^			
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	Δ Δ			
] ^ ^	<226T		
	1000			
	70000	228.45		
230 -	742744		200 AF 021 AF December 1 1 1 1 1	
230 -	44444		228.45-231.45m: Breccia bed, partly oxidized.	
	A 7 P A 7 P A	231.45		
	7 2 2 2 2 2	<233T	231.45-233.85m: Oxidized breccia bed, size of fragments:	
		233.85	0.2-1.0 cm. 233T: Volcanic breccia, weakly meta, clastic.	
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
235 -	4 7 4 7 4		233.85-236.70m: Breccia bed, partly oxidized, size of fragm	
	47.47.4	(2260	ents: 0.2-1.0 cm, pyrite veinlets, pyrite 5%.	
	42.42.49	≤236C 236.70		
	4 7 6 4 7 6 4			
	245245			
	4 4 4 4 4 4	<239G		
240 -	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12000		
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		200 70 045 50 144	
	Q Q Q Q Q Q		236.70-245.50m: Volcanic breccia to coarse tuff, green t o light gray, plagioclase (size: 2-4 mm), strongly epidotized.	
-	V V V V V V		244T: Volcanic breccia, weakly meta, clastic.	
	7 7 7 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
-	\$ \$ \$ \$ \$ \$ \$			
245 -	42,42,4	<244T		
_ 10	\$ \$ \$ \$ \$ \$ \$	245.50	245.50-246.00m: Basic dike, gray, aphyric.	
-	// // // // // // // // // // // // //	246.00	2 10.00 240.00m. Dasid dike, gray, apriyric.	
-				
-	""""""""""""""""""""""""""""""""""""""		246 00 250 00 D. W	
_	# ` # ` # ` # ` #		246.00-250.00m: Dacitic coarse tuff?	
A = 2	" " " " " " " " " " " " " " " " " " "	250.00		
250	1	250,00	71	