

**PART III CONCLUSIONS AND
RECOMMENDATIONS**

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CHAPTER 1 CONCLUSIONS

A total of eight holes with a total length of 2,340.65m were drilled this year as the work for the third year of the mineral exploration in the Umm ad Damar area. The major objective of the drilling was to clarify the geology of the deep subsurface zones and the details of Au, Cu, and Zn mineralization of the promising areas extracted by geological survey, geophysical surveys (IP and TEM) and drilling carried out during the first and second years.

The results are summarized as follows.

- ① Mineralized zones containing Cu and Zn occur in four localities of the survey area. They are Jabal Sujarah district, Umm ad Damar North Prospect, Umm ad Damar South Prospect, and 4/6 Gossan Prospect. During the present year, drilling was carried out in the known mineralized zones of Jabal Sujarah, and 4/6 Gossan Prospect. Further, drilling was carried out also in promising zones extracted by geophysical exploration in other than the known mineralized zones.
- ② In the Jabal Sujarah district, volcanogenic massive sulfide mineralized zones consisting of massive, pebbly ores, and pyrite dissemination, and containing Cu and Zn occur in dacitic pyroclastic rocks. The massive and pebbly ores contain intercalation of shale, fine-grained tuff, chloritized rocks and the total thickness is estimated to be about 6m. The drilling carried out this year confirmed massive ore and disseminated zones but these do not contain Cu nor Zn. Integrating the work carried out during the second year, Cu and Zn content is indicated in parts of the massive and pebbly ores, but most of them have low grade. The extent of the ores in the strike direction is about 200m and is limited. Pyrite dissemination zones probably attain thickness of 100m, but the Au, Cu, and Zn contents are low.
- ③ In the 4/6 Gossan Prospect, volcanogenic massive sulfide mineralized zones occur consisting of massive, siliceous, and pebbly ores. During this year, the downward and southward extension of the mineralized zones was surveyed. Zn-rich massive ores were confirmed in the deeper subsurface extension, but the thickness was about 1.8m. Mineralization could not be observed in the southern extension of the ore zone. These results indicate that there are three mineralized zones in this prospect, but the most promising zone is less than 9.3m thick, about 100m long in the strike direction, about 120m in the dip direction and these mineralized zones are of small scale.

- ④ Outside the known prospects, areas with high chargeability anomalies and inferred conductive plates were surveyed. The results clarified that the high chargeability anomalies were caused by pyrite dissemination and pyrite veinlets, but the Au, Cu, and Zn contents were low.

CHAPTER 2 RECOMMENDATIONS FOR THE FUTURE SURVEY

- ① In the 4/6 Gossan Prospect, products of volcanogenic massive sulfide mineralization such as Cu-Zn-rich massive and pebbly ores occur but they are considered to be of small scale. Thus further exploration is not recommended in this prospect.
- ② In the Jabal Sujarah area, the products of volcanogenic massive sulfide mineralization were the target of our survey, but Cu and Zn contents were confirmed only in parts of the massive and pebbly ores and the major part of the ores were of low grade. Thus further exploration of this district is not recommended.
- ③ In areas other than the known prospects, the high chargeability anomalies with inferred conductive plates are mineralized zones of pyrite dissemination and pyrite veinlets. Thus further exploration is not recommended for these areas.

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APPENDICES

Appendix 1 Summary of Drilling Operation of MJSU-9

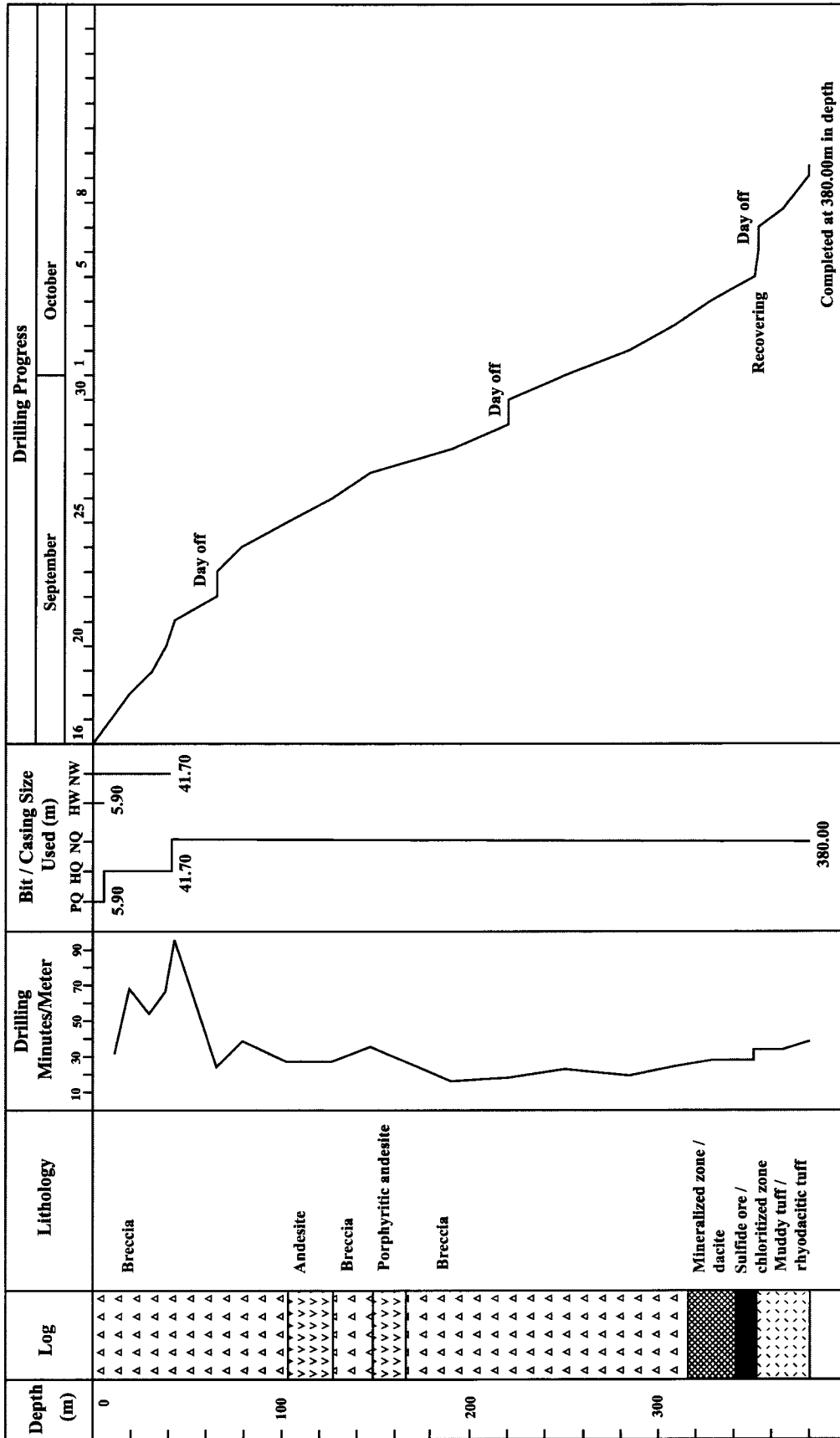
MJSU-9 Operation		Suvey Period			Total Man-day			
		Period	Day	Work Day	Off Day	Engineer	Worker	
Transportation/Preparation		Sep. 16,2000						
Drilling		Sep. 16- Oct. 9,2000			24	21	3	
Dismantling		Oct. 9,2000						
Total					24	21	3	
Drilling Length		(m)		(m)	Core Recovery of Each 100m Hole			
Length Planned		275.00	Overburden	1.50	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)	
Increase/Decrease in Length		105.00	Core Length	378.25				
Length Drilled		380.00	Core Recovery	99.5	0.00 to 100.00	98.3	98.3	
Working Hours		(h)	(%)	(%)	100.00 to 200.00	100.0	99.4	
Drilling		184.9	62.5	60.9	200.00 to 300.00	100.0	99.5	
Other Work		92.1	31.1	30.3	300.00 to 380.00			
Recovering		19.0	6.4	6.3	Efficiency of Drilling			
Subtotal		296.0	100.0	97.5	Total Length / Drilling Period	m	day	m/day
Preparation		3.5		1.2	380.00	24.0	15.83	
Dismantlement		4.0		1.3	Total Length / Total Drilling Shifts	m	shift	m/shift
Transportation				0.0	380.00	40.0	9.50	
Grand Total		303.5		100.0	Drilling Length / Each Diameter (m)			
Casing Pipe Inserted				Bit Size	Drilling Length (m)	Core Length (m)		
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	5.90	4.15		
HW	5.90	1.6	100.0	HQ	35.80	35.80		
NW	41.70	11.0	100.0	NQ	338.30	338.30		

Appendix 2 Record of Drilling Operation of MJSU-9

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Sep. 16	2.00	9.40	11.40	11.40	9.65	9.65	2	2	7	2
Sep. 17	3.80	4.15	7.95	19.35	7.95	17.60	2	2	7	2
Sep. 18	6.00	4.90	10.90	30.25	10.90	28.50	2	2	7	2
Sep. 19	5.55	2.65	8.20	38.45	8.20	36.70	2	2	7	2
Sep. 20	2.75	2.40	5.15	43.60	5.15	41.85	2	2	7	2
Sep. 21	14.40	7.30	21.70	65.30	21.70	63.55	2	2	7	2
Sep. 22	Day off									
Sep. 23	6.35	6.70	13.05	78.35	13.05	76.60	2	2	7	2
Sep. 24	12.65	11.10	23.75	102.10	23.75	100.35	2	2	7	2
Sep. 25	9.90	15.00	24.90	127.00	24.90	125.25	2	2	7	2
Sep. 26	10.00	10.00	20.00	147.00	20.00	145.25	2	2	7	2
Sep. 27	24.00	19.30	43.30	190.30	43.30	188.55	2	2	7	2
Sep. 28	17.70	12.00	29.70	220.00	29.70	218.25	2	2	7	2
Sep. 29	Day off									
Sep. 30	14.30	15.70	30.00	250.00	30.00	248.25	2	2	7	2
Oct. 1	15.00	19.25	34.25	284.25	34.25	282.50	2	2	7	2
Oct. 2	12.75	11.65	24.40	308.65	24.40	306.90	2	2	7	2
Oct. 3	7.35	12.00	19.35	328.00	19.35	326.25	2	2	7	2
Oct. 4	14.00	8.75	22.75	350.75	22.75	349.00	2	2	7	2
Oct. 5	1.80		1.80	352.55	1.80	350.80	1	2	7	2
Oct. 6	Day off									
Oct. 7	2.45	10.70	13.15	365.70	13.15	363.95	2	2	7	2
Oct. 8	9.10	5.20	14.30	380.00	14.30	378.25	2	2	7	2
Oct. 9									4	1
Total			380.00		378.25		39	40	144	41

Appendix 3 Drilling Progress of MJSU-9

MJSU-9



Appendix 4 Summary of Drilling Operation of MJSU-10

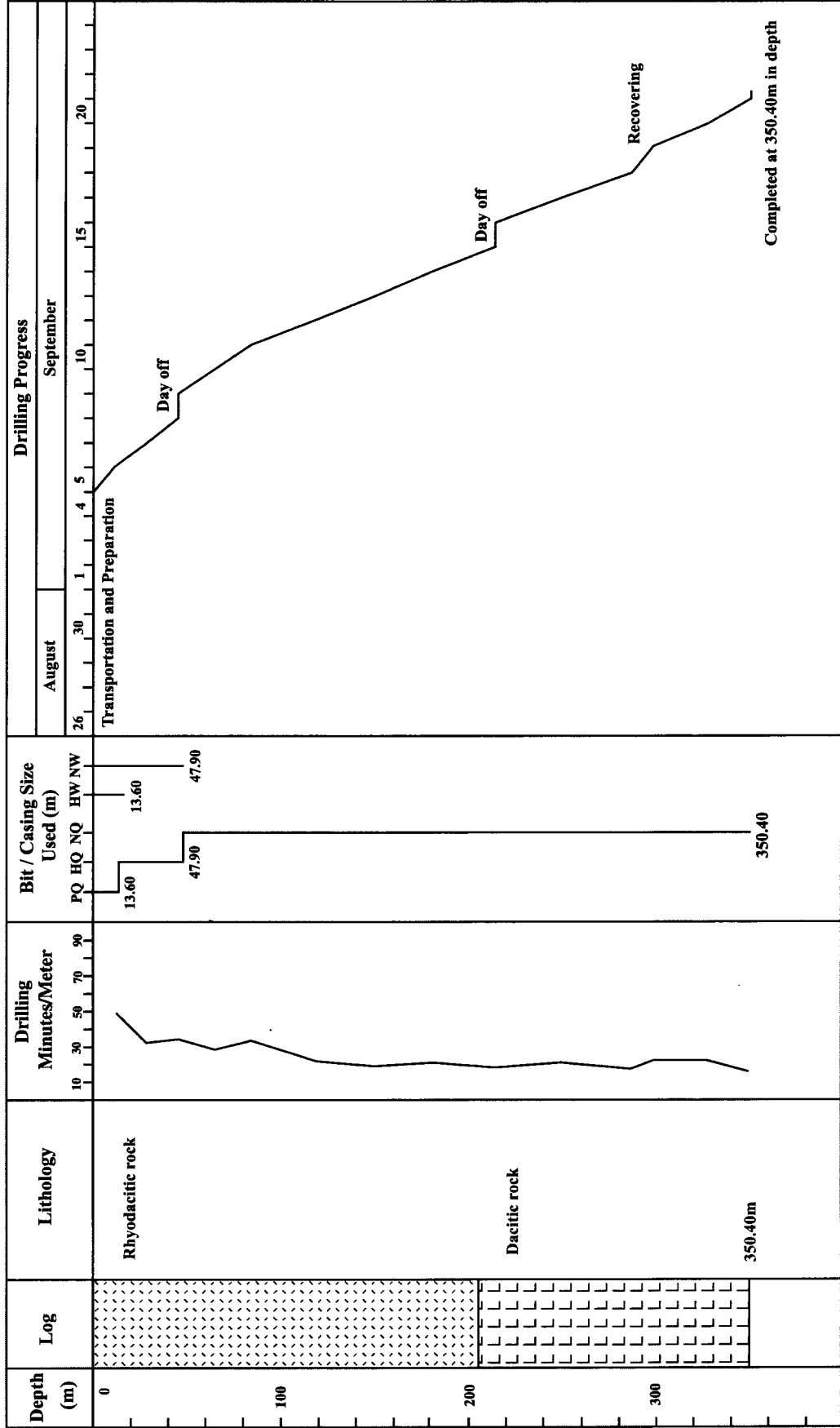
MJSU-10	Suvey Period				Total Man-day	
	Period	Day	Work Day	Off Day	Engineer	Worker
Operation						
Transportation/Preparation	Aug.26 - Sep.4,2000	10	9	1	63	14
Drilling	Sep. 5 - Sep.20,2000	16	14	2	98	28
Dismantling	Sep. 21,2000					
Total		26	23	3	161	42
Drilling Length	(m)	(m)	Core Recovery of Each 100m Hole			
Length Planned	250.00	Overburden	4.90	Depth of Hole	Core Recovery	Cumulative Core Recovery
Increase/Decrease in Length	100.40	Core Length	345.50	(m)	(%)	(%)
Length Drilled	350.40	Core Recovery	98.6	0.00 to 100.00	95.1	95.1
Working Hours	(h)	(%)	(%)	100.00 to 200.00	100.0	97.6
Drilling	136.8	65.1	49.0	200.00 to 300.00	100.0	98.4
Other Work	64.2	30.6	23.0	300.00 to 350.40	100.0	98.6
Recovering	9.0	4.3	3.2	Efficiency of Drilling		
Subtotal	210.0	100.0	75.3	Total Length / Drilling Period	m	day
Preparation	52.5		18.8		350.40	16.0
Dismantlement	1.5		0.5	Total Length / Total Drilling Shifts	m	shift
Transportation	15.0		5.4		350.40	28.0
Grand Total	279.0		100.0	Drilling Length / Each Diameter (m)		
Casing Pipe Inserted			Bit Size	Drilling Length	Core Length	
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	13.60	8.70
HW	13.60	3.9	100.0	HQ	34.30	34.30
NW	47.90	13.7	100.0	NQ	302.50	302.50

Appendix 5 Record of Drilling Operation of MJSU-10

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling (m)		Core Length (m)		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
Aug. 26	Transportation							1	7	
Aug. 27	Transportation							1	7	
Aug. 28	Preparation							1	7	2
Aug. 29	Preparation							1	7	2
Aug. 30	Preparation							1	7	2
Aug. 31	Preparation							1	7	2
Sep. 01	Day off									
Sep. 02	Preparation							1	7	2
Sep. 03	Preparation							1	7	2
Sep. 04	Preparation							1	7	2
Sep. 05	6.25	5.90	12.15	12.15	7.25	7.25	2	2	7	2
Sep. 06	5.55	10.55	16.10	28.25	16.10	23.35	2	2	7	2
Sep. 07	9.80	7.30	17.10	45.35	17.10	40.45	2	2	7	2
Sep. 08	Day off									
Sep. 09	3.75	14.85	18.60	63.95	18.60	59.05	2	2	7	2
Sep. 10	6.95	12.95	19.90	83.85	19.90	78.95	2	2	7	2
Sep. 11	14.05	19.65	33.70	117.55	33.70	112.65	2	2	7	2
Sep. 12	15.00	17.30	32.30	149.85	32.30	144.95	2	2	7	2
Sep. 13	15.10	16.00	31.10	180.95	31.10	176.05	2	2	7	2
Sep. 14	18.00	15.00	33.00	213.95	33.00	209.05	2	2	7	2
Sep. 15	Day off									
Sep. 16	21.00	14.05	35.05	249.00	35.05	244.10	2	2	7	2
Sep. 17	21.95	15.45	37.40	286.40	37.40	281.50	2	2	7	2
Sep. 18	Recovering	11.55	11.55	297.95	11.55	293.05	2	2	7	2
Sep. 19	15.00	15.00	30.00	327.95	30.00	323.05	2	2	7	2
Sep. 20	18.00	4.45	22.45	350.40	22.45	345.50	2	2	7	2
Sep. 21										
Total			350.40		345.50		28	37	161	42

Appendix 6 Drilling Progress of MJSU-10

MJSU-10



Appendix 7 Summary of Drilling Operation Of MJSU-11

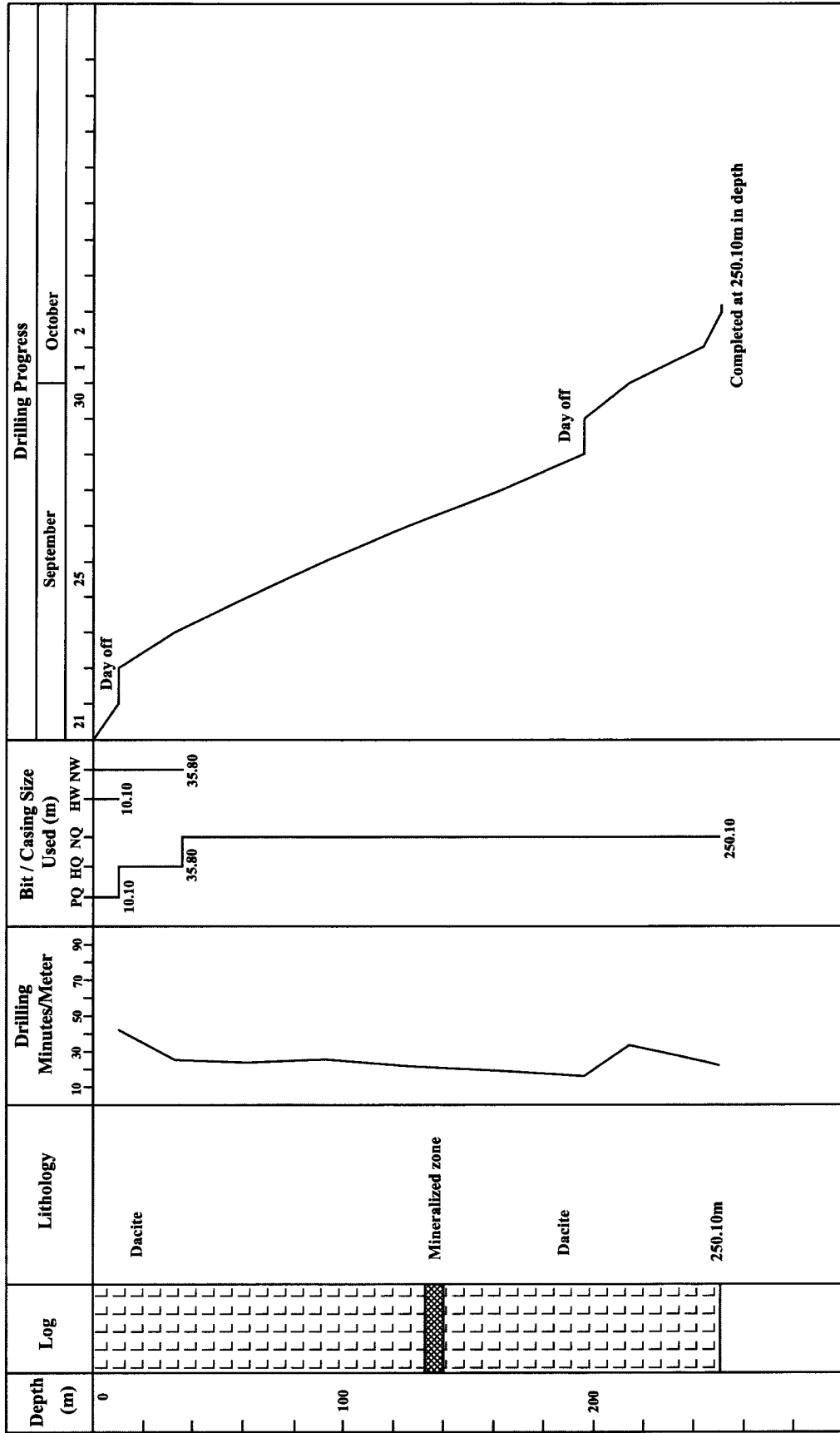
MJSU-11		Suvey Period				Total Man-day		
		Period	Day	Work Day	Off Day	Engineer	Worker	
Operation								
Transportation/Preparation		Sep.21,2000						
Drilling		Sep.21 - Oct. 2,2000		12	10	2	70 20	
Dismantling		Oct.2,2000						
Total				12	10	2	70 20	
Drilling Length		(m)	(m)	Core Recovery of Each 100m Hole				
Length Planned		250.00	Overburden 2.50	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)		
Increase/Decrease in Length		0.10	Core Length 247.60			0.00 to 100.00	97.5	97.5
Length Drilled		250.10	Core Recovery 99.0	100.00 to 200.00	100.0	98.8		
Working Hours		(h)	(%)	(%)	200.00 to 250.00	100.0	99.0	
Drilling		99.4	73.6	71.5				
Other Work		35.6	26.4	25.6				
Recovering		0.0	0.0	0.0	Efficiency of Drilling			
Subtotal		135.0	100.0	97.1	Total Length / Drilling Period	m 250.10	day 12.0	m/day 20.84
Preparation		1.0		0.7	Total Length / Total Drilling Shifts	m 250.10	shift 19.0	m/shift 13.16
Dismantlement		3.0		2.2				
Transportation		0.0		0.0				
Grand Total		139.0		100.0	Drilling Length / Each Diameter (m)			
Casing Pipe Inserted				Bit Size	Drilling Length	Core Length		
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	10.10	7.60		
				HQ	25.80	25.80		
HW	10.10	4.0	100.0	NQ	214.20	214.20		
NW	35.80	14.3	100.0					

Appendix 8 Record of Drilling Operation of MJSU-11

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Sep. 21	3.50	6.60	10.10	10.10	7.60	7.60	2	2	7	2
Sep. 22	Day off									
Sep. 23	8.00	14.70	22.70	32.80	22.70	30.30	2	2	7	2
Sep. 24	12.50	16.40	28.90	61.70	28.90	59.20	2	2	7	2
Sep. 25	14.10	16.70	30.80	92.50	30.80	90.00	2	2	7	2
Sep. 26	16.30	16.90	33.20	125.70	33.20	123.20	2	2	7	2
Sep. 27	18.40	18.70	37.10	162.80	37.10	160.30	2	2	7	2
Sep. 28	20.80	12.20	33.00	195.80	33.00	193.30	2	2	7	2
Sep. 29	Day off									
Sep. 30	8.60	9.40	18.00	213.80	18.00	211.30	2	2	7	2
Oct. 01	14.00	15.50	29.50	243.30	29.50	240.80	2	2	7	2
Oct. 02	6.80		6.80	250.10	6.80	247.60	2	2	7	2
Total			250.10		247.60		20	20	70	20

Appendix 9 Drilling Progress of MJSU-11

MJSU-11



Appendix 10 Summary of Drilling Operation of MJSU-12

MJSU-12		Suvey Period				Total Man-day	
		Period	Day	Work Day	Off Day	Engineer	Worker
Operation							
Transportation/Preparation		Oct 2,2000					
Drilling		Oct. 2, 2000 - Oct.11,2000	10	9	1	56	18
Dismantling		Oct.11,2000					
Total			10	9	1	56	16
Drilling Length		(m)	(m)	Core Recovery of Each 100m Hole			
Length Planned		250.00	Overburden 1.20	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)	
Increase/Decrease in Length		0.00	Core Length 248.80				
Length Drilled		250.00	Core Recovery 99.5	0.00 to 100.00	98.8	98.8	
Working Hours		(h)	(%)	(%)	100.00 to 250.00	100.0	99.5
Drilling		91.7	75.2	73.7			
Other Work		30.3	24.8	24.3			
Recovering			0.0	0.0	Efficiency of Drilling		
Subtotal		122.0	100.0	98.0	Total Length / Drilling Period	m	day
Preparation		1.0		0.8	250.00	10.0	m/day 25.00
Dismantlement		1.5		1.2	Total Length / Total Drilling Shifts	m	shift
Transportation				0.0	250.00	16.0	m/shift 15.63
Grand Total		124.5		100.0	Drilling Length / Each Diameter (m)		
Casing Pipe Inserted				Bit Size	Drilling Length	Core Length	
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	4.00	2.80	
HW	4.00	1.6	100.0	HQ	20.70	20.70	
NW	24.70	9.9	100.0	NQ	225.30	225.30	

Appendix 11 Record of Drilling Operation of MJSU-12

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Oct. 2		3.55	3.55	3.55	2.35	2.35	1	1	3	1
Oct. 3	8.15	13.00	21.15	24.70	21.15	23.50	2	2	7	2
Oct. 4	15.40	23.60	39.00	63.70	39.00	62.50	2	2	7	2
Oct. 5	21.00	9.00	30.00	93.70	30.00	92.50	2	2	7	2
Oct. 6	Day off									
Oct. 7	7.40	17.15	24.55	118.25	24.55	117.05	2	2	7	2
Oct. 8	11.05	18.40	29.45	147.70	29.45	146.50	2	2	7	2
Oct. 9	17.70	24.30	42.00	189.70	42.00	188.50	2	2	7	2
Oct. 10	25.00	23.00	48.00	237.70	48.00	236.50	2	2	7	2
Oct. 11	12.30		12.30	250.00	12.30	248.80	1	1	4	1
Total			250.00		248.80		16	16	56	16

Appendix 13 Summary of Drilling Operation og MJSU-13

MJSU-13		Suvey Period				Total Man-day		
		Period	Day	Work Day	Off Day	Engineer	Worker	
Operation								
Transportation/Preparation		Oct 9,2000						
Drilling		Oct. 9- Oct.23,2000		15	13	2	91 26	
Dismantling		Oct.23,2000						
Total				15	13	2	91 26	
Drilling Length		(m)		(m)	Core Recovery of Each 100m Hole			
Length Planned		250.00	Overburden	0.90	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)	
Increase/Decrease in Length		0.00	Core Length	249.10				
Length Drilled		250.00	Core Recovery	99.6	0.00 to 100.00	99.1	99.1	
Working Hours		(h)	(%)	(%)	100.00 to 250.00	100.0	99.6	
Drilling		127.3	66.0	64.9				
Other Work		65.7	34.0	33.5				
Recovering			0.0	0.0	Efficiency of Drilling			
Subtotal		193.0	100.0	98.5	Total Length / Drilling Period	m 250.00	day 15.0	m/day 16.67
Preparation		2.0		1.0	Total Length / Total Drilling Shifts	m 250.00	shift 26.0	m/shift 9.62
Dismantlement		1.0		0.5				
Transportation				0.0				
Grand Total		196.0		100.0	Drilling Length / Each Diameter (m)			
Casing Pipe Inserted				Bit Size	Drilling Length	Core Length		
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	3.00	2.10		
HW	3.00	1.2	100.0	HQ	26.90	26.90		
NW	29.90	12.0	100.0	NQ	220.10	220.10		

Appendix 14 Record of Drilling Operation of MJSU-13

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Oct 9	1.10	8.00	9.10	9.10	8.20	8.20	2	2	7	2
Oct 10	13.25	8.60	21.85	30.95	21.85	30.05	2	2	7	2
Oct 11	17.30	13.05	30.35	61.30	30.35	60.40	2	2	7	2
Oct 12	8.70	3.85	12.55	73.85	12.55	72.95	2	2	7	2
Oct 13	Day off									
Oct 14	6.15	15.50	21.65	95.50	21.65	94.60	2	2	7	2
Oct 15	17.50	6.60	24.10	119.60	24.10	118.70	2	2	7	2
Oct 16	7.70	13.85	21.55	141.15	21.55	140.25	2	2	7	2
Oct 17	9.85	11.20	21.05	162.20	21.05	161.30	2	2	7	2
Oct 18	4.00	8.30	12.30	174.50	12.30	173.60	2	2	7	2
Oct 19	5.55	9.55	15.10	189.60	15.10	188.70	2	2	7	2
Oct 20	Day off									
Oct 21	7.20	6.10	13.30	202.90	13.30	202.00	2	2	7	2
Oct 22	16.10	19.10	35.20	238.10	35.20	237.20	2	2	7	2
Oct 23	8.60	3.30	11.90	250.00	11.90	249.10	2	2	7	2
Total			250.00		249.10		26	26	91	26

Appendix 16 Summary of Drilling Operation of MJSU-14

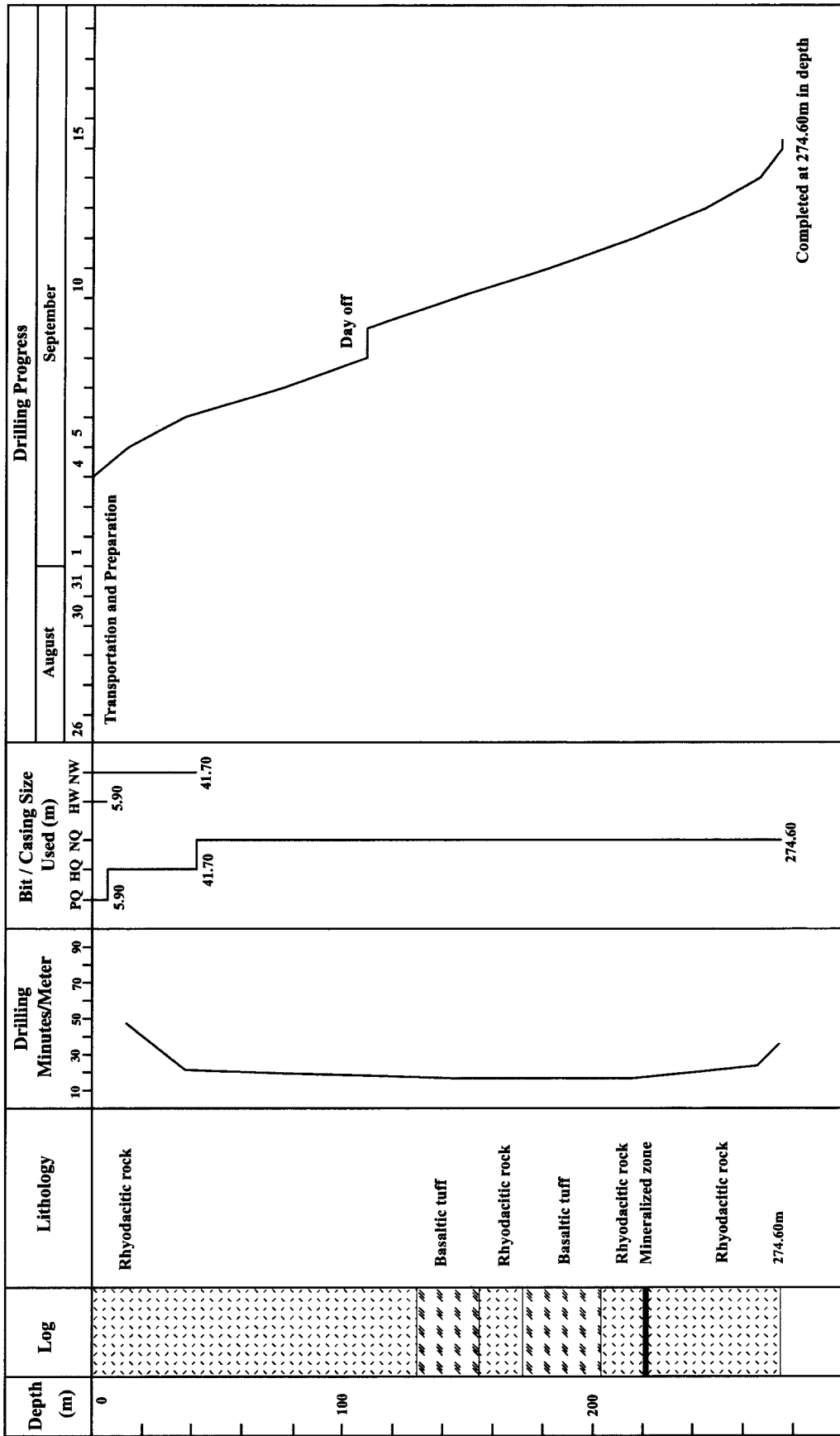
MJSU-14		Suvey Period			Total Man-day		
		Period	Day	Work Day	Off Day	Engineer	Worker
Operation							
Transportation/Preparation		Aug. 26 - Sep.3,2000	8	7	1	49	7
Drilling		Sep. 4 - Sep.14,2000	12	10	2	70	10
Dismantling		Sep.16,2000					
Total			20	17	3	119	17
Drilling Length		(m)	(m)	Core Recovery of Each 100m Hole			
Length Planned		375.00	Overburden 0.00	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)	
Increase/Decrease in Length		-100.40	Core Length 274.60				
Length Drilled		274.60	Core Recovery 100.0	0.00 to 100.00	100.0	100.0	
Working Hours		(h)	(%)	100.00 to 200.00	100.0	100.0	
Drilling		92.3	61.5	200.00 to 274.60	100.0	100.0	
Other Work		54.2	36.1				
Recovering		3.5	2.3				
Subtotal		150.0	100.0	Efficiency of Drilling			
Preparation		35.0	17.3	Total Length / Drilling Period	m	day	m/day
Dismantlement		2.5	1.2	Total Length / Total Drilling Shifts	m	shift	m/shift
Transportation		15.0	7.4		274.60	22.0	12.48
Grand Total		202.5	100.0	Drilling Length / Each Diameter (m)			
Casing Pipe Inserted				Bit Size	Drilling Length	Core Length	
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	5.95	5.95	
HW	5.95	2.2	100.0	HQ	26.80	26.80	
NW	32.75	11.9	100.0	NQ	241.85	241.85	

Appendix 17 Record of Drilling Operation of MJSU-14

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Aug. 26	Transportation							1	7	
Aug. 27	Transportation							1	7	
Aug. 28	Preparation							1	7	2
Aug. 29	Preparation							1	7	2
Aug. 30	Preparation							1	7	2
Aug. 31	Preparation							1	7	2
Sep. 01	Day off									
Sep. 02	Preparation							1	7	2
Sep. 03	Preparation							1	7	2
Sep. 04	3.80	9.65	13.45	13.45	13.45	13.45	2	2	7	2
Sep. 05	11.35	12.30	23.65	37.10	23.65	37.10	2	2	7	2
Sep. 06	19.00	20.00	39.00	76.10	39.00	76.10	2	2	7	2
Sep. 07	16.20	17.00	33.20	109.30	33.20	109.30	2	2	7	2
Sep. 08	Day off									
Sep. 09	16.60	18.50	35.10	144.40	35.10	144.40	2	2	7	2
Sep. 10	21.50	15.20	36.70	181.10	36.70	181.10	2	2	7	2
Sep. 11	22.50	11.90	34.40	215.50	34.40	215.50	2	2	7	2
Sep. 12	12.45	16.15	28.60	244.10	28.60	244.10	2	2	7	2
Sep. 13	15.00	6.00	21.00	265.10	21.00	265.10	2	2	7	2
Sep. 14	6.00	3.50	9.50	274.60	9.50	274.60	2	2	7	2
Sep. 15	Day off									
Sep. 16										
Total			274.60		274.60		20	28	126	32

Appendix 18 Drilling Progress of MJSU-14

MJSU-14



Appendix 19 Summary of Drilling Operation of MJSU-15

MJSU-15	Suvey Period				Total Man-day	
	Period	Day	Work Day	Off Day	Engineer	Worker
Operation						
Transportation/Preparation	Oct 11, 2000					
Drilling	Oct 11 - Nov. 8, 2000		29	25	4	171
Dismantling	Nov. 9, 2000		1	1		7
Total			30	26	4	178
Drilling Length	(m)		(m)	Core Recovery of Each 100m Hole		
Length Planned	375.00	Overburden	1.80	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)
Increase/Decrease in Length	0.65	Core Length	373.85			
Length Drilled	375.65	Core Recovery	99.5	0.00 to 100.00	98.2	98.2
				100.00 to 200.00	100.0	99.1
				200.00 to 300.00	100.0	99.4
Working Hours	(h)	(%)	(%)	200.00 to 375.65	100.0	99.5
Drilling	92.3	61.5	45.6			
Other Work	57.7	38.5	28.5			
Recovering			0.0	Efficiency of Drilling		
Subtotal	150.0	100.0	74.1	Total Length / Drilling	m	day
Preparation	35.0		17.3	Period	375.65	29.0
Dismantlement	2.5		1.2	Total Length / Total	m	shift
Transportation	15.0		7.4	Drilling Shifts	375.65	49.0
Grand Total	202.5		100.0	Drilling Length / Each Diameter (m)		
Casing Pipe Inserted				Bit Size	Drilling Length	Core Length
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	6.00	4.20
				HQ	29.90	29.90
HW	6.00	1.6	100.0	NQ	339.75	339.75
NW	35.90	9.6	100.0			

Appendix 20 Record of Drilling Operation of MJSU-15

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Oct. 11		3.05	3.05	3.05	1.25	1.25	1	1	3	1
Oct. 12	8.00	6.00	14.00	17.05	14.00	15.25	2	2	7	2
Oct. 13	Day off									
Oct. 14	12.65	6.20	18.85	35.90	18.85	34.10	2	2	7	2
Oct. 15	10.90	9.40	20.30	56.20	20.30	54.40	2	2	7	2
Oct. 16	12.80	16.80	29.60	85.80	29.60	84.00	2	2	7	2
Oct. 17	16.20	15.00	31.20	117.00	31.20	115.20	2	2	7	2
Oct. 18	15.55	13.25	28.80	145.80	28.80	144.00	2	2	7	2
Oct. 19	12.00	9.00	21.00	166.80	21.00	165.00	2	2	7	2
Oct. 20	Day off									
Oct. 21	8.95	12.05	21.00	187.80	21.00	186.00	2	2	7	2
Oct. 22	11.85	11.80	23.65	211.45	23.65	209.65	2	2	7	2
Oct. 23	6.20	14.00	20.20	231.65	20.20	229.85	2	2	7	2
Oct. 24	7.00	20.15	27.15	258.80	27.15	257.00	2	2	7	2
Oct. 25	7.95	11.05	19.00	277.80	19.00	276.00	2	2	7	2
Oct. 26	10.20	10.80	21.00	298.80	21.00	297.00	2	2	7	2
Oct. 27	Day off									
Oct. 28	3.75	5.95	9.70	308.50	9.70	306.70	2	2	7	2
Oct. 29	2.85	5.25	8.10	316.60	8.10	314.80	2	2	7	2
Oct. 30	4.15	5.00	9.15	325.75	9.15	323.95	2	2	7	2
Oct. 31	4.35	2.00	6.35	332.10	6.35	330.30	2	2	7	2
Nov. 1	5.70	2.80	8.50	340.60	8.50	338.80	2	2	7	2
Nov. 2	1.95	4.20	6.15	346.75	6.15	344.95	2	2	7	2
Nov. 3	Day off									
Nov. 4	11.25	7.65	18.90	365.65	18.90	363.85	2	2	7	2
Nov. 5	1.50	0.95	2.45	368.10	2.45	366.30	2	2	7	2
Nov. 6	1.10	0.95	2.05	370.15	2.05	368.35	2	2	7	2
Nov. 7	1.10	0.75	1.85	372.00	1.85	370.20	2	2	7	2
Nov. 8	1.90	1.75	3.65	375.65	3.65	373.85	2	2	7	2
Nov. 9	Dismantlement							1	7	2
Nov. 10	Day off									
Nov. 11	Dismantlement							1	7	2
Nov. 12	Dismantlement							1	7	2
Nov. 13	Dismantlement							1	7	2
Total			375.65		373.85		49	53	199	57

Appendix 22 Summary of Drilling Operation of MJSU-16

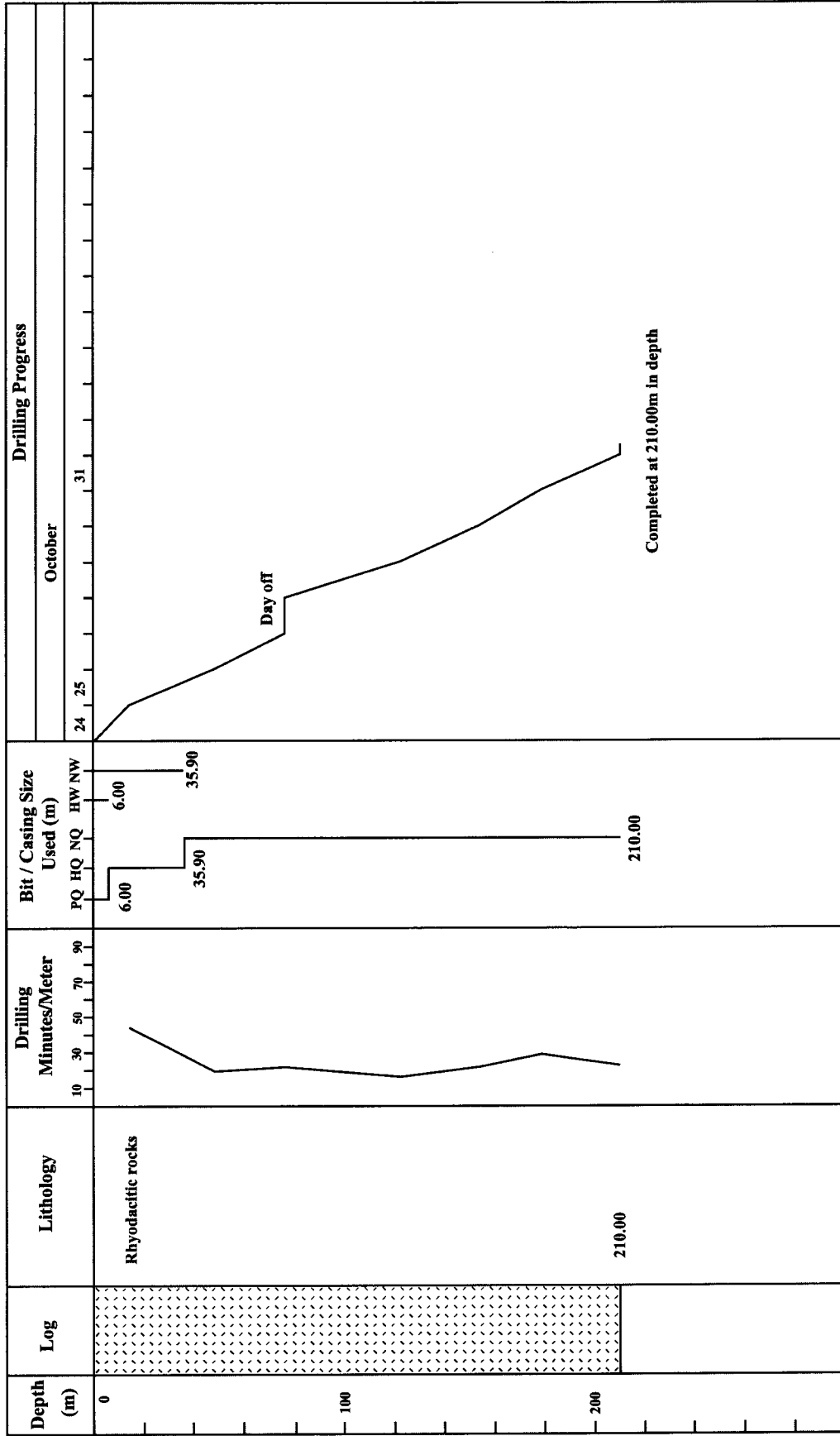
MJSU-16		Suvey Period				Total Man-day	
		Period	Day	Work Day	Off Day	Engineer	Worker
Operation							
Transportation/Preparation		Oct. 24, 2000					
Drilling		Oct 24 - Oct.31,2000		8	7	1	49 14
Dismantling		Nov. 1,2000				1	1 7 2
Total				9	8	1	56 16
Drilling Length		(m)	(m)	Core Recovery of Each 100m Hole			
Length Planned		200.00	Overburden 1.70	Depth of Hole (m)	Core Recovery (%)	Cumulative Core Recovery (%)	
Increase/Decrease in Length		10.00	Core Length 208.30				
Length Drilled		210.00	Core Recovery 99.2	0.00 to 100.00	98.3	98.3	
				100.00 to 200.00	100.0	99.2	
Working Hours		(h)	(%)	(%)	200.00 to 210.00	100.0	99.2
Drilling		79.1	76.8	70.3			
Other Work		23.9	23.2	21.2			
Recovering		Efficiency of Drilling					
Subtotal		103.0	100.0	91.6	Total Length /	m	day
Preparation		2.0		1.8	Drilling Period	210.00	8.0 26.25
Dismantlement		7.5		6.7	Total Length / Total	m	shift
Transportation				0.0	Drilling Shifts	210.00	14.0 15.00
Grand Total		112.5		100.0	Drilling Length / Each Diameter (m)		
Casing Pipe Inserted				Bit Size	Drilling Length	Core Length	
Size	Metrage (m)	Metrage/Drilling Length (%)	Recovery (%)	PQ	6.00	4.30	
				HQ	29.90	29.90	
HW	6.00	2.9	100.0	NQ	174.10	174.10	
NW	35.90	17.1	100.0				

Appendix 23 Record of Drilling Operation of MJSU-16

Date	Drilling Length		Daily Total				Shift		Man Working	
	Shift 1 (m)	Shift 2 (m)	Drilling		Core Length		Drilling (Shift)	Total (Shift)	Engineer (man)	Worker (man)
			(m)	(Cum. m)	(m)	(Cum. m)				
Oct. 24	6.00	8.00	14.00	14.00	12.30	12.30	2	2	7	2
Oct. 25	14.20	20.00	34.20	48.20	34.20	46.50	2	2	7	2
Oct. 26	19.50	8.40	27.90	76.10	27.90	74.40	2	2	7	2
Oct. 27	Day off									
Oct. 28	25.20	21.00	46.20	122.30	46.20	120.60	2	2	7	2
Oct. 29	15.60	15.85	31.45	153.75	31.45	152.05	2	2	7	2
Oct. 30	9.35	15.60	24.95	178.70	24.95	177.00	2	2	7	2
Oct. 31	17.40	13.90	31.30	210.00	31.30	208.30	2	2	7	2
Nov. 1	Dismantlement							1	7	2
Nov. 2										
Total			210.00		208.30		14	15	56	16

Appendix 24 Drilling Progress of MJSU-16

MJSU-16



Appendix 25 Drilling Meterage of Diamond Bits Used

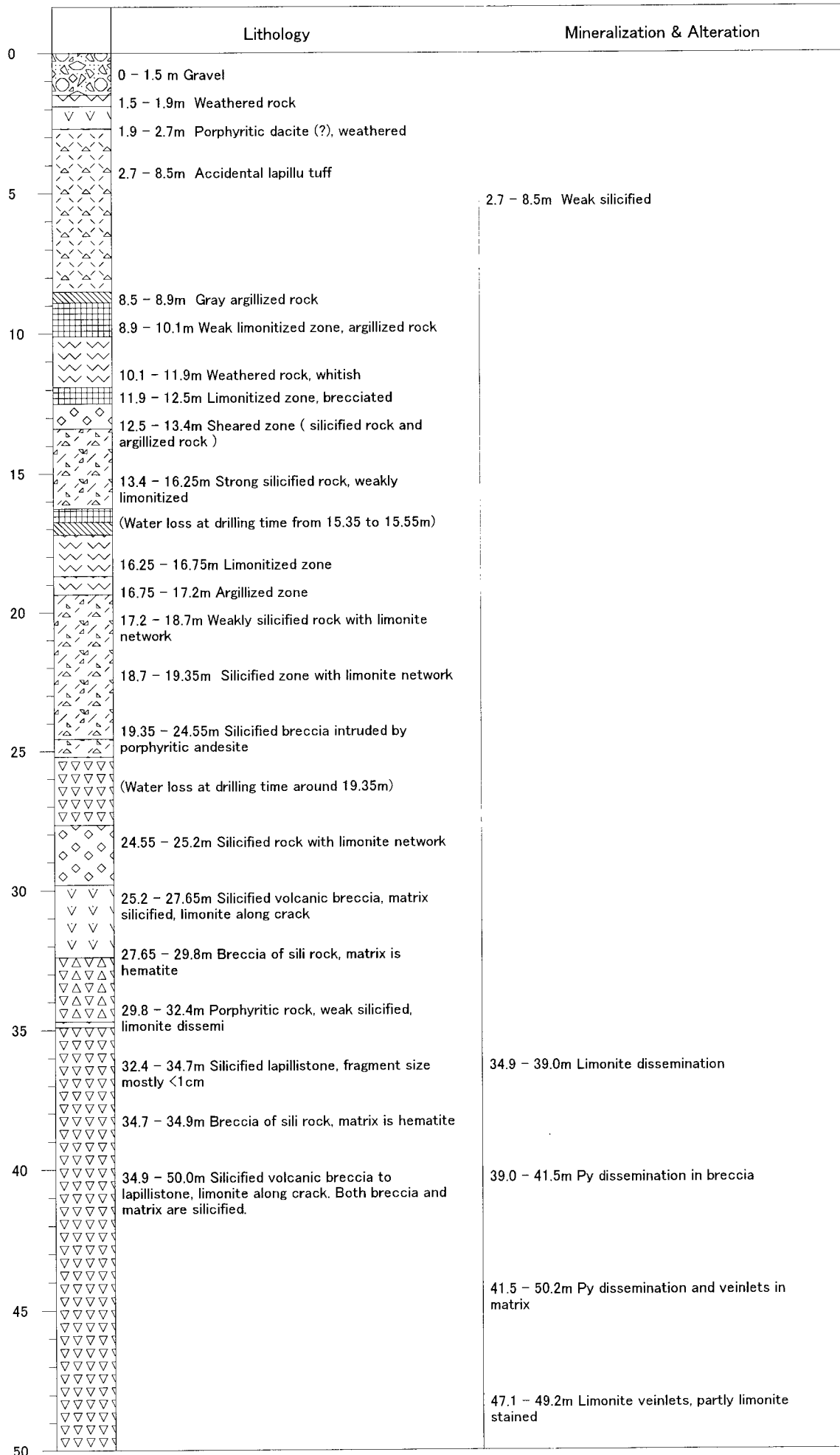
Item	Size	Bit No.	Drilling Meterage / Each Bit								Total (m)
			MJSU-14	MJSU-9	MJSU-13	MJSU-16	MJSU-10	MJSU-11	MJSU-12	MJSU-15	
Diamond Bit	PQ	#845578/8	5.95	5.90	3.00	6.00					20.85
		#843657/6					1.30		2.20	6.00	9.50
		#19907					6.80	10.10		1.80	18.70
		#19911					5.50				5.50
		Subtotal	5.95	5.90	3.00	6.00	13.60	10.10	4.00	6.00	54.55
	Average									13.64	
	HQ	#3987-12/9	26.80	7.50		17.25					51.55
		#8460118/10		0.60							0.60
		#9383402/9		11.15							11.15
		#9283407/9		5.10							5.10
		#9283403/9		7.40							7.40
		#81737		4.05	26.90	2.00					32.95
		#9283647/9				4.60					4.60
		#R68309					34.30				34.30
		#9283409/9						25.80			25.80
		#928364/9							20.70	29.90	50.60
		Subtotal	26.80	35.80	26.90	23.85	34.30	25.80	20.70	29.90	224.05
		Average									22.41
	NQ	#186547/10		5.90							5.90
		#186548/10	3.00	2.95							5.95
		#186549/10								2.60	2.60
		#186552/10		49.95							49.95
		#2143133/10			1.10						1.10
		#2143136/10	20.50	27.75							48.25
		#2143138/10			4.65					40.85	45.50
		#2143139/10								7.40	7.40
		#2143141/10								21.10	21.10
		#2143142/10			20.35	38.45					58.80
		#8459201/10		4.90							4.90
		#8459352/10								0.40	0.40
		#8459365/10								0.70	0.70
		#8459367/10	7.60	3.50							11.10
		#8459368/10								1.70	1.70
		#8459369/10								1.75	1.75
		#8459371/10		2.80							2.80
		#8459373/10								1.70	1.70
		#8459374/10				48.80	55.80				104.60
		#8459375/10								8.20	8.20
		#8459376/10								27.10	27.10
		#8459379/10								6.55	6.55
		#8459382/10								3.45	3.45
		#8459383/10								8.75	8.75
		#8459384/10			39.75						39.75
		#8459385/10							22.30	21.30	43.60
		#8459386/10								9.50	9.50
#8459387/10				14.90	2.00					16.90	
#8459389/10									4.45	4.45	
#8459391/10						53.90			0.25	54.15	
#8459392/10									2.60	2.60	
#8459393/10									23.10	23.10	
#8459396/10									17.45	17.45	
#8459398/10					27.65					27.65	
#8459399/10				59.85	38.55	27.00				125.40	
#8459400/10				16.70	16.70					33.40	
#8459401/10									56.25	56.25	
#8459884/10					1.00					1.00	
#9284225/9							64.00	10.00		74.00	
#9284329/9				24.05						24.05	
#9284334/9							61.65			61.65	
#9284335/9							39.15			39.15	
#9284337/9		76.55								76.55	
#9284761/9			17.90							17.90	
#9284856/9								76.25	3.00	79.25	
#9284865/9		42.55	2.10						44.65		
#9284869/9								20.90	20.90		
#9284875/9				17.45					17.45		
#9284876/9					5.00				5.00		
#9284881/9	36.85	1.95							38.80		
#9284885/9		18.65							18.65		
#9284896/9						114.70			114.70		
#9284897/9						23.00			23.00		
#9284901/9		44.00							44.00		
#9284966/9								37.50	37.50		
#9284967/9								222.30	222.30		
#9284969/9							105.65		105.65		
#9284970/9								14.20	14.20		
#9739333/9		97.35							97.35		
Subtotal	241.85	338.30	220.10	180.15	302.50	214.20	225.30	339.75	2,062.15		
Average									34.95		
Total	274.60	380.00	250.00	210.00	350.40	250.10	250.00	375.65	2,340.75		

Item	Size	Bit No.	Drilling Meterage / Each Reaming Shell								Total (m)
			MJSU-14	MJSU-9	MJSU-13	MJSU-16	MJSU-10	MJSU-11	MJSU-12	MJSU-15	
Reaming Shell	PQ	#81626	5.95	5.90	3.00	6.00					20.85
		#83516					13.60	10.10	4.00	6.00	33.70
	HQ	#53972	26.80	35.80	26.90	22.20					111.70
		#6WR1746					34.30	25.80	20.70	29.90	110.70
	NQ	#8795112	241.85	338.30	220.10	181.80					982.05
#879529						302.50	214.20	225.30		742.00	
Total	274.60	380.00	250.00	210.00	350.40	250.10	250.00	375.65	2,340.75		

Appendix 26 Consumables Used

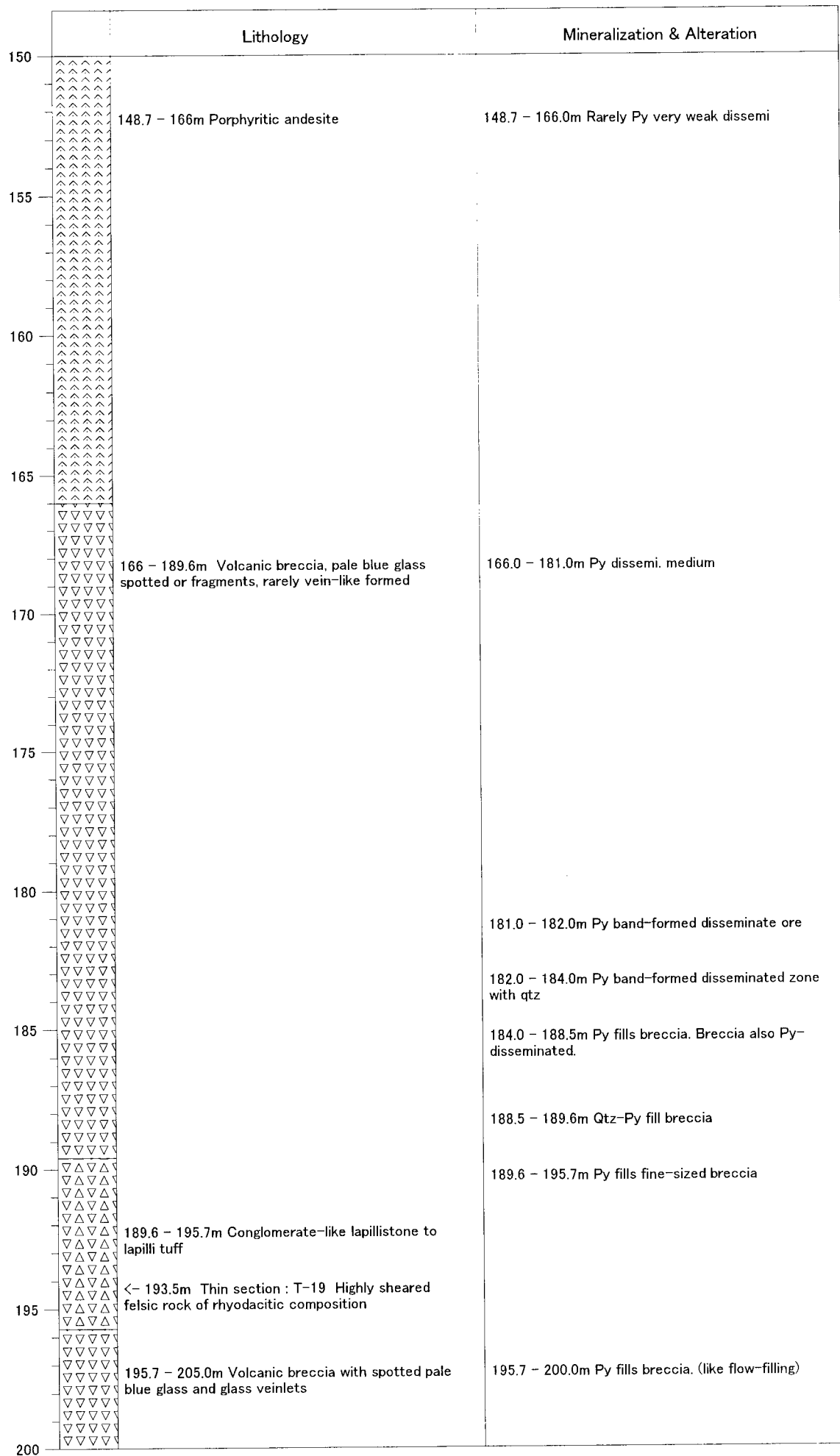
Expendable Items	Spec.	Unit	Drill Hole No.								Total Amount
			MJSU-9	MJSU-10	MJSU-11	MJSU-12	MJSU-13	MJSU-14	MJSU-15	MJSU-16	
Diesel Fuel		l	1,855	1,505	960	820	1,235	990	2,370	695	10,430
Gasoline		l	398	278	195	165	263	190	485	138	2,112
Hydraulic Oil		l	20			20	20	4	20		84
Engine Oil		l	60	10	42	22	42	40	91	20	326
Gear Oil		l	3	1	1		2	3	5		15
Grease		kg	15	8	12	2	10	8	15	6	76
Polymer GS550		kg	243	196	128	117	141	123	248	77	1,273
GS20		l					31		10		41
Lubtub		kg	10	20	25	20	3		7		85
Solcut		l	141		18	10	78	76	28	35	386
Stop Plus		kg	7	3	2	2	7	2	9	1	33
Inner Tube	PQ	pcs		1				1			2
Outer Tube	PQ	pcs		1				1			2
Adapter Coupling	PQ	pcs		1				1			2
Locking Coupling	PQ	pcs		1				1			2
Landing Ring	PQ	pcs						1			1
Stop Ring	PQ	pcs	1					1			2
Core Lifter	PQ	pcs	1	1				1			3
Core Lifter Case	PQ	pcs	1	1				1			3
Inner Tube	HQ	pcs		1				2			3
Outer Tube	HQ	pcs		2				1			3
Inner Tube Head Assem.	HQ	pcs		1				2			3
Adapter Coupling	HQ	pcs		1				1			2
Locking Coupling	HQ	pcs		1				1			2
Landing Ring	HQ	pcs						1			1
Stop Rong	HQ	pcs						2			2
Core Lifter	HQ	pcs	4			1		2			7
Core Lifter Case	HQ	pcs				1		2			3
Inner Tube	NQ	pcs		3			2	2			7
Outer Tube	NQ	pcs		1				1	1		3
Inner Tube Head Assem.	NQ	pcs		1				2			3
Adapter Coupling	NQ	pcs	1	1	1			1	2	1	7
Locking Coupling	NQ	pcs	1	1	1			1	2	1	7
Landing Ring	NQ	pcs		1				1		1	3
Stop Ring	NQ	pcs	1	2				2			5
Core Lifter	NQ	pcs	13	6	7	2	4	6	5	3	46
Core Lifter Case	NQ	pcs	4	5	1			3	1		14
Stabilizer	NQ	pcs		1						1	2
Shut off Valve	NQ	pcs					2	2			4
Core Box	PQ	pcs	3	5	4	2	2	2	3	3	24
Core Box	HQ	pcs	11	9	8	6	8	5	9	7	63
Core Box	NQ	pcs	75	67	47	50	50	57	74	39	459
Water (m ³)			400	260	170	120	270	200	410	110	1,940

Appendix 27 Geological Log of MJSU-9 to MJSU-16

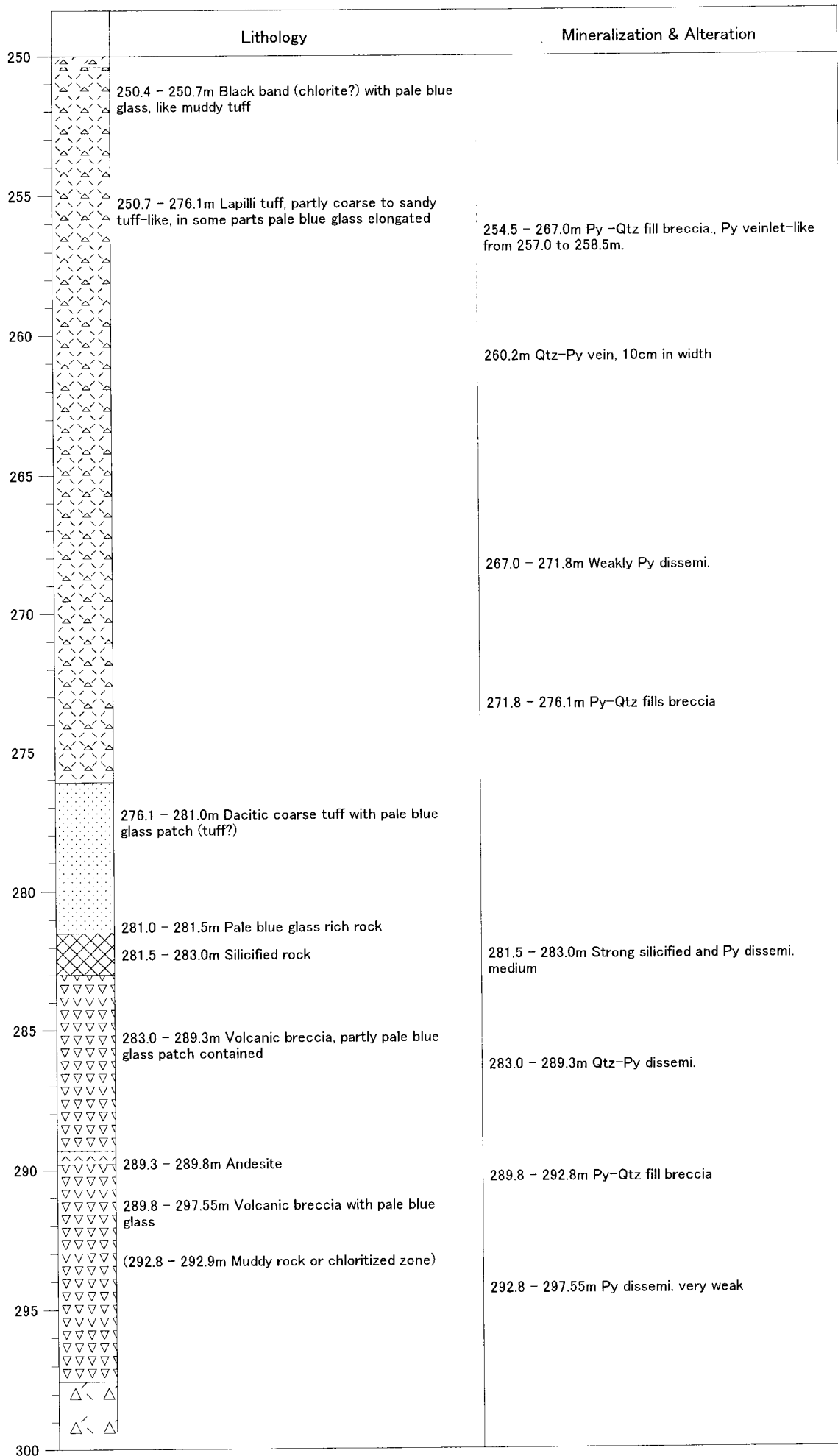


	Lithology	Mineralization & Alteration
50	50.0 - 52.0m Lapilli tuff	50 - 52m Py weak dissemi
55	52.0 - 66.0m Volcanic breccia, matrix composed of Qtz-Py, fragment : rhyodacite, shale, dacite, size <10cm angular, size <1cm subrounded	52 - 66m Py dissemination is weak to medium. Weak silicification
60	<- 58.8m Thin section : T-15 Meta-rhyodacitic lithic tuff	
65	66.0 - 79.4m Silicified volcanic breccia	66 - 79.4m Strong sili., Py medium dissemi.
70		
75		
80		79.4 - 92.9m Py weak dissemi
85	79.4 - 97.9m Volcanic breccia, fragment : porphyrite, chert, shale, silicified rocks	
90	<- 90.0m Thin section : T-16 Meta-rhyodacitic fine tuff	
95		92.9 - 93.2m Strong oxidized zone, hematite stained
		93.2 - 97.9m Oxidized zone, hematite in matrix
100	97.9 - 103.7 Silicified volcanic breccia	97.9 - 103.7m Py dissemi. weak

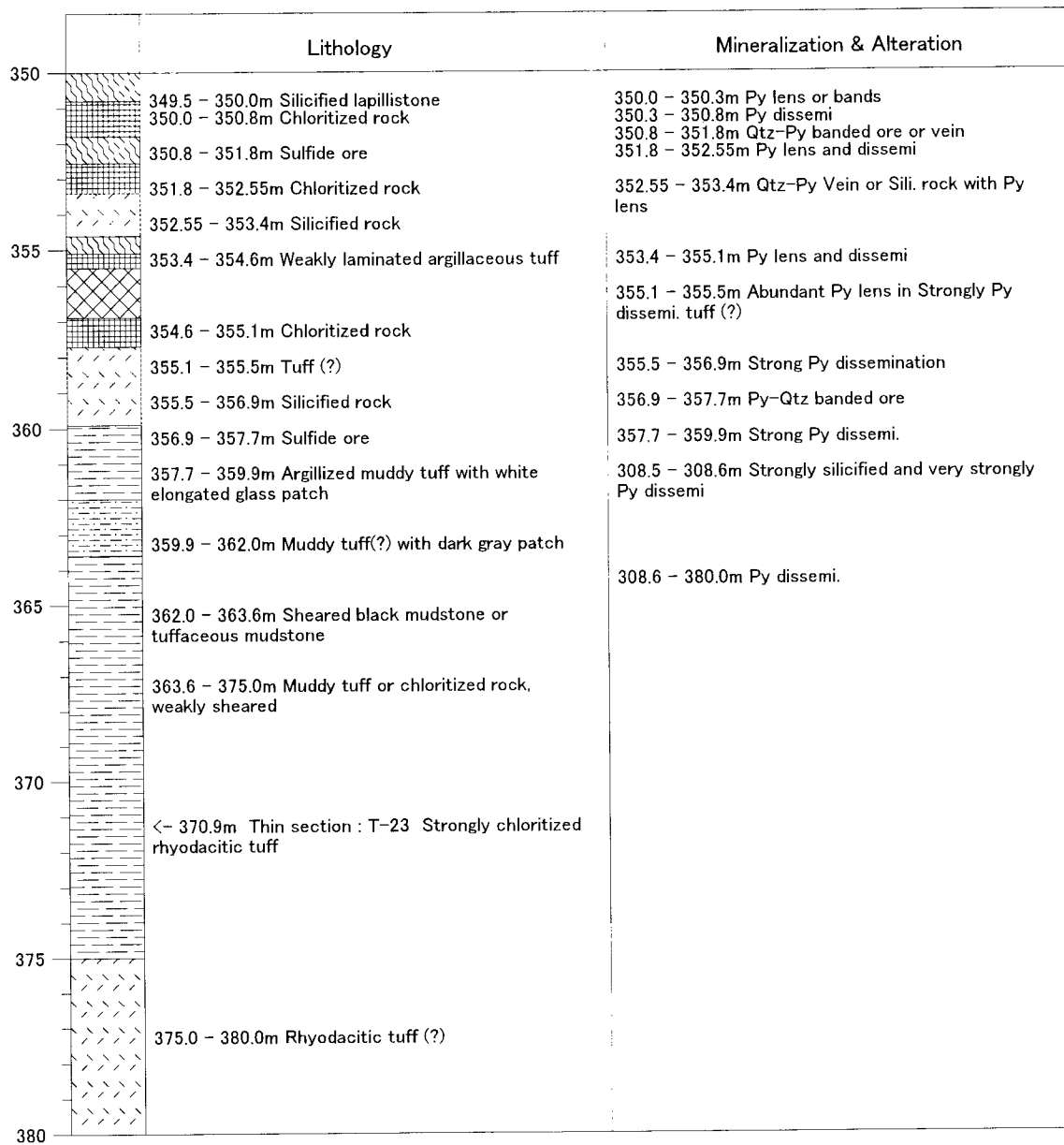
	Lithology	Mineralization & Alteration
100		
105	103.7 - 107.8m Andeiste	107.3 - 107.8m sheared, limonite stained
	107.3 - 107.8m Sheared, limonite stained	107.8 - 109.9m Py dissemi. medium, limonite along crack
	107.8 - 109.9m Sheared silicified breccia	
110	109.9 - 111.0m Jasper, sheared	109.9 - 111.0m Py or limonite fill fracture.
115	111.0 - 127.4m Andesite	
120		
	<-122.0m Thin section : T-17 Reworked meta-rhyodacitic tuff	
125		
	127.4 - 133m Silicified volcanic breccia	127.4 - 131.3m Py dissemi. weak to medium, partly limonitized
	131.3 - 133m Breccia filled with andesite	
130		
	133 - 134.2m Breccia	
135		133.0 - 140.6m Py dissemi. medium
	134.2 - 140.6m Silicified volcanic breccia	
	<- 138.1m Thin section : T-18 Phyllite or meta-siltstone	
140		
	140.6 - 142.6m Breccia	140.6 - 142.6m Py dissemi. medium to strong
145		
	142.6 - 148.7m Silicified breccia	142.6 - 148.7m Py dissemi. medium
150		

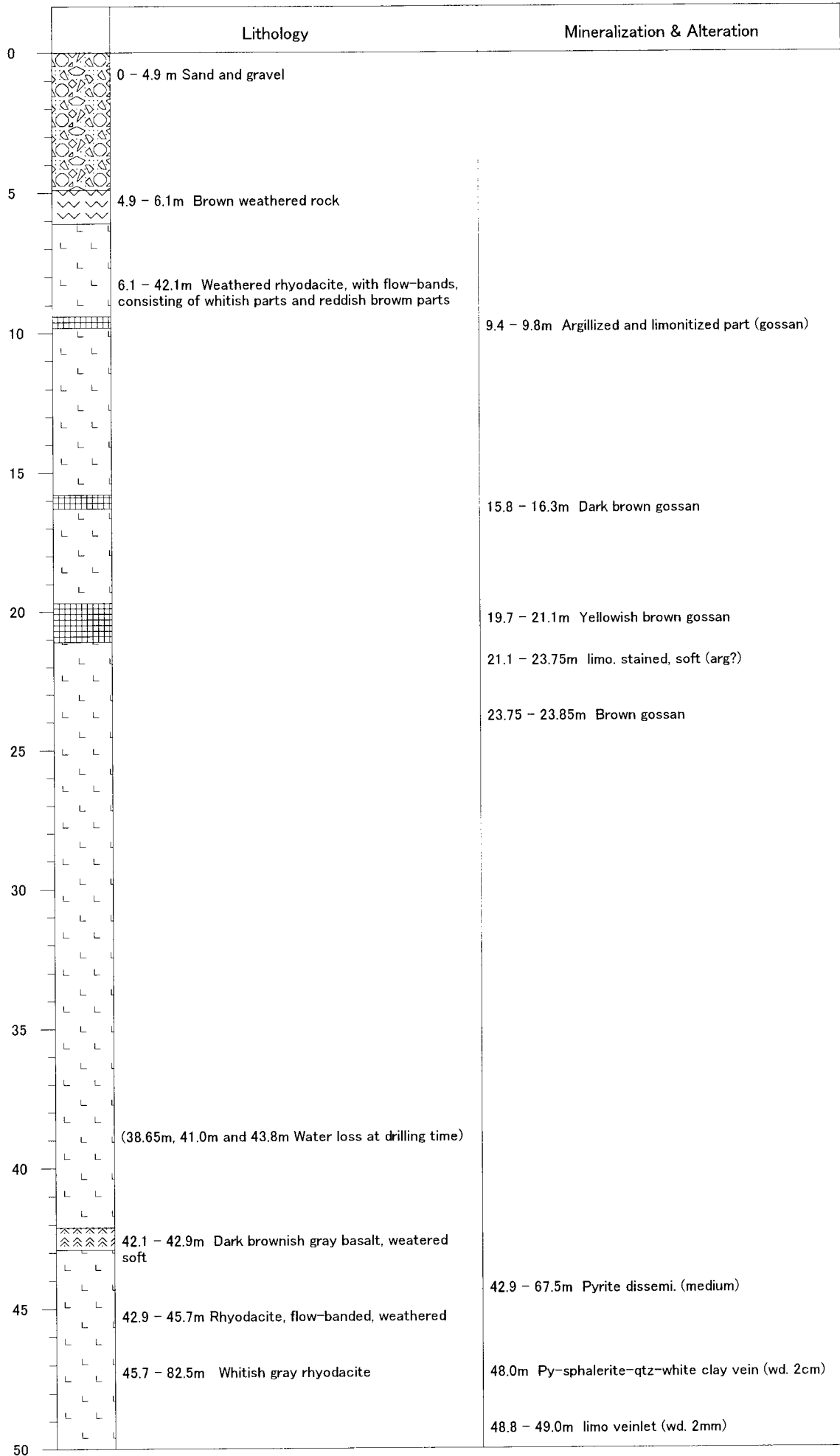


	Lithology	Mineralization & Alteration
200		200.0 – 205.0m Py medium dissemination and veinlets
205	<- 206.4m Thin section : T-20 Meta-rhyodacitic fine tuff	205.0 – 217.0m Py fills breccia
210	205.0 – 217.0m Volcanic breccia, smaller breccia is subangular and larger is angular. No pale blue glass	
215	217.0 – 219.0m Volcanic breccia containing siltstone big fragments	217.0 – 219.0m Py dissemination weak
220	<-219.0m Thin section : T-21 Meta-tuff of felsic composition	219.0 – 221.5m Qtz-Py fill breccia
225	219.0 – 222.6m Lapillistone, max size of fragments is 3cm.	221.5 – 222.6m Py fills breccia
230	222.6 – 234.2m Volcanic breccia with black to gray bands (chlorite?) or patch, and pale blue glass patch	222.6 – 234.2m Py lens and dissemination in chloritized parts
235	<- 228.0m Thin section : T-22 White-mica schist	
240	234.2 – 246.2m Lapillistone to lapilli tuff Shape of fragments mainly subrounded, with pale blue glass elongated like veinlet or spotted	234.2 – 246.7m Qtz-Py fill breccia partly with strong Py dissemination
245	246.2 – 246.7m Sandstone(?) with glass spots	
250	246.7 – 250.4m Silicified breccia, small fragments dominant like conglomerate	246.7 – 254.5m Py dissemi. very weak



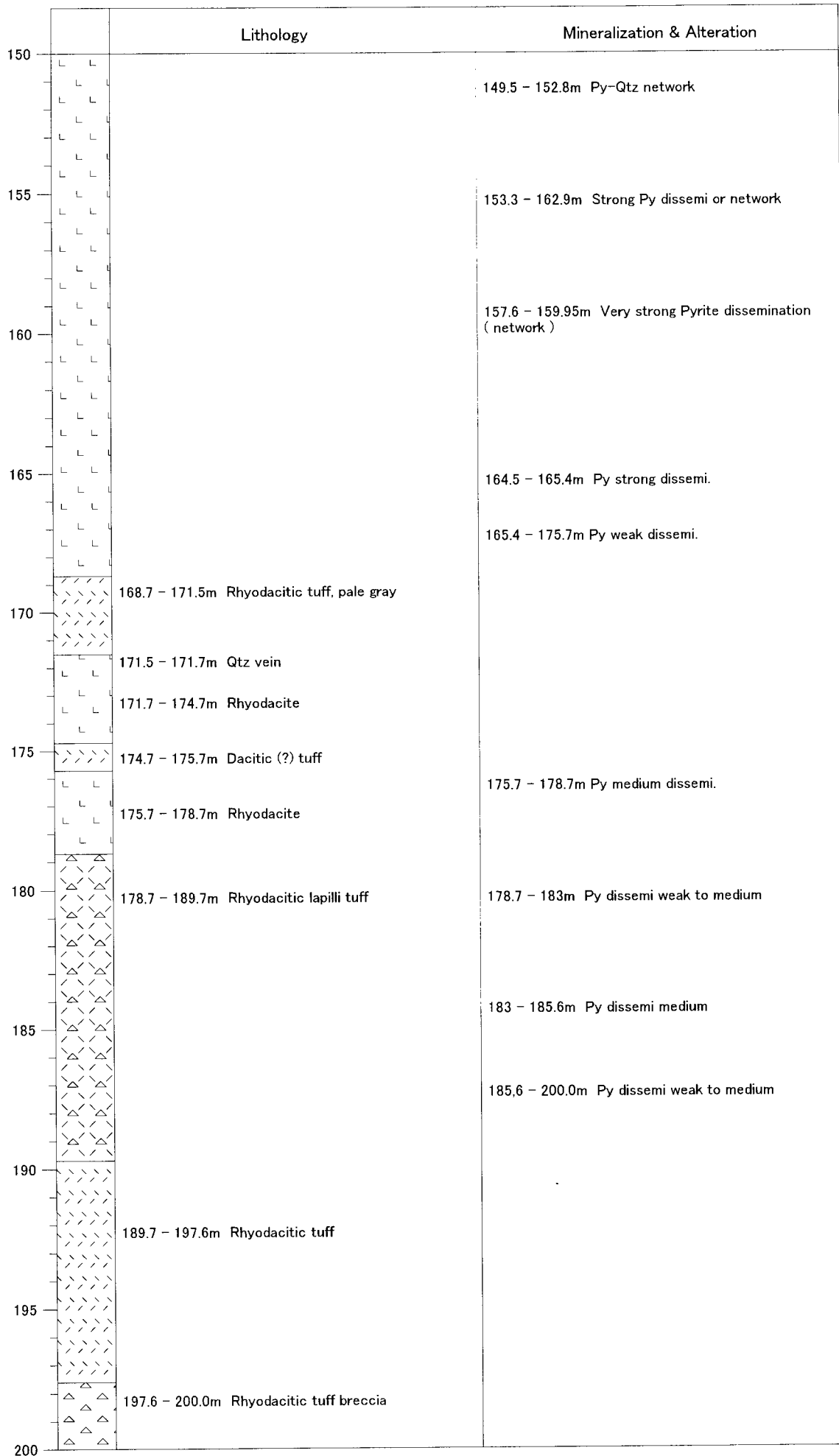
	Lithology	Mineralization & Alteration
300		
	297.55 – 310.0m Volcanic breccia or tuff breccia with elongated glass patch. Fragments are mainly angular.	297.55 – 310.0m Py fills breccia
305		306.4 – 309.0m Strong silicified
310	310.0 – 315.7m Volcanic breccia with pale blue glass	310.0 – 315.7m Py lensy dissemination medium to strong
315	315.7 – 318.5m Mineralized zone, partly strongly chloritized and weakly epidotized	315.7 – 318.5m Py-Qtz veinlets and Py strong dissemi
320	318.5 – 321.6m Silicified dacite(?)	318.5 – 321.6m Qtz-Py veinlets 3 to 4/m, but Py dissemi. very weak
	321.6 – 324.9m Chloritized tuff(?)	321.6 – 324.9m Py veinlets or lens abundant
325	324.9 – 326.9m Dacite with qtz and green patch (intrusive)	
	326.9 – 328.1m Chloritized rock	326.9 – 328.1m Py lens abundant
330	328.1 – 334.6m Dacite (? , intrusive)	331.1m Qtz (-Py) vein 4cm wide
	334.6 – 337.4m Lapillistone	334.6 – 336.7m Py-Qtz fill fine-sized breccia
	337.4 – 339.7m Chloritized zone, a side of core consists of dacite	336.7 – 337.4m Py fills fine-sized breccia
	339.7 – 339.9m Silicified breccia	337.4 – 339.7m Abundant Py lens in chloritized zone
340	339.9 – 341.25m Chloritized zone	339.7 – 341.25m Py-chlorite banded zone, partly cutted by Qtz-Py vein
	341.25 – 343.4m Sulfide ore	341.25 – 343.4m Py-Qtz banded ore
	343.4 – 343.9m Chloritized rock	343.4 – 343.9m Py banded dissemination
	343.9 – 345.0m Sulfide ore	343.9 – 345.0m Py-Qtz banded ore, cutted by Qtz vein (2cm in width)
345	345.0 – 347.3m Chloritized rock	345.0 – 347.3m Py dissemi. strong
	347.3 – 349.0m Sulfide ore	347.3 – 349.0m Banded ore with Py (-Cp) - Qtz, cutted by Qtz-Py veinlets
	349.0 – 349.5m Dacite (?)	349.5 – 350.0m Py-Qtz fill fine-grained breccia, cutted by Qtz-Py vein
350		



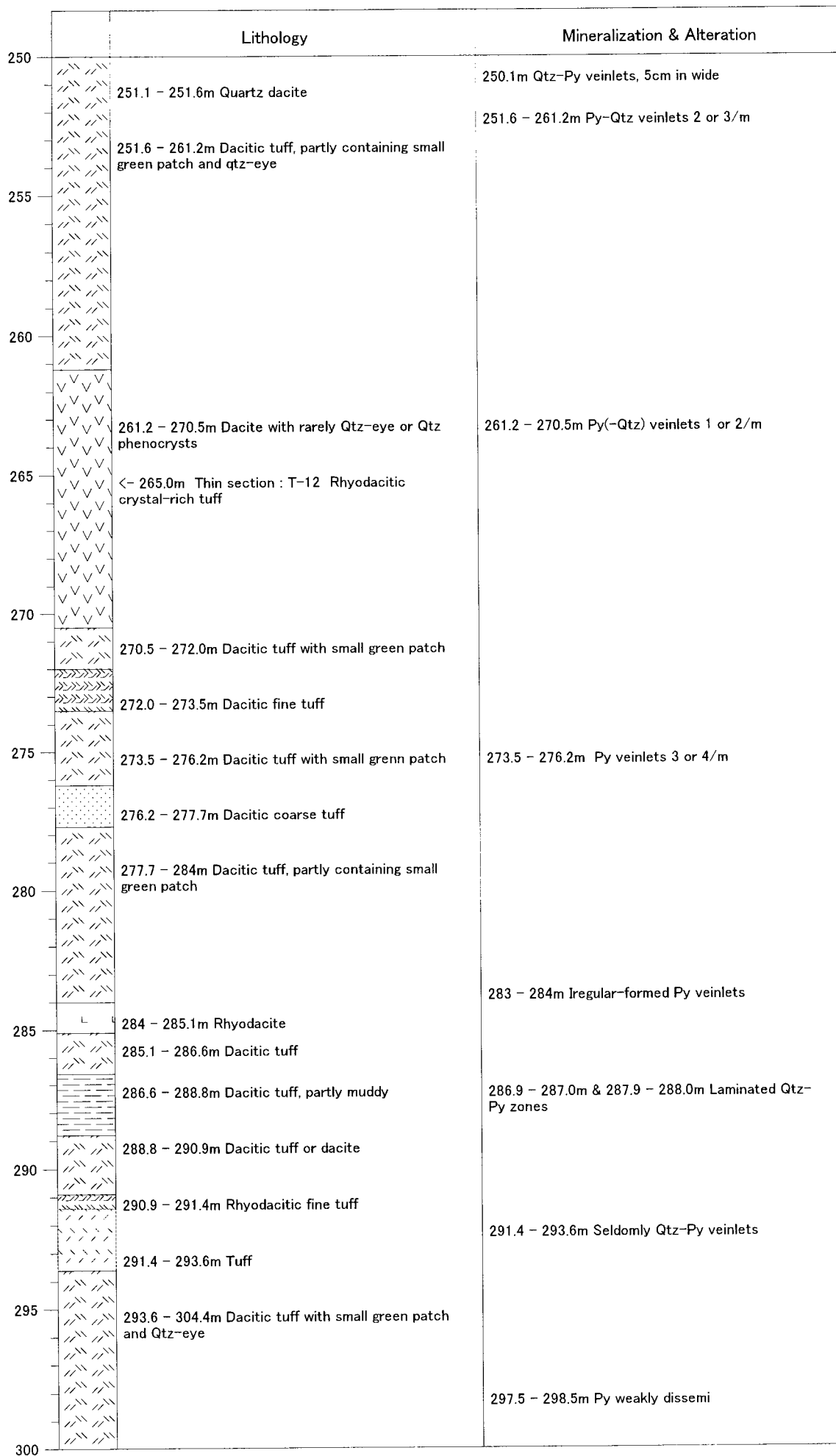


	Lithology	Mineralization & Alteration
50	45.7 - 82.5m Whitish gray rhyodacite	42.9 - 59.75m Weak silicified
55		
60	<- 60.0m Thin section : T-6 Meta-rhyodacitic fine tuff	
65		65.2 - 66.7m Glass part weakly argillized 66.7 - 67.5m Weakly silicified 67.5 - 70.6m Py dissemi. medium to strong, partly accompanied by Cp, rarely Sp, sili.
70		70.6 - 85.1m Silicified 70.6 - 71.0m Py dissemi medium 71.0 - 86.5m Py dissemi medium, weakly arg + sili
75		
80	<- 77.0m Thin section : T-7 Meta-siltstone or meta-volcanic fine tuff of felsic composition	
85	82.5 - 83.6m Dark green basalt (andesite?)	
90	83.6 - 90.2m Whitish gray rhyodacite	86.5 - 88.0m Py weak dissemi 88.4m and 88.9m Cp-Sp-Qtz veinlets (wd. 1cm)
95	90.2 - 95.3m Rhyodacitic tuff, pale greensih gray <- 93.0m Thin section : T-8 Meta-rhyolitic to rhyodacitic tuff	88.0 - 90.0m Py dissemi weak to medium 90.0 - 99.1m Py dissemi weak
	95.3 - 96.0m Rhyodacitic lapilli tuff	
	96.0 - 99.1m Rhyodacitic tuff	
	<- 99.5m Thin section : T-9 Reworked crystal rich tuff	
100	99.1 - 100.1m Basalt, dark gray	

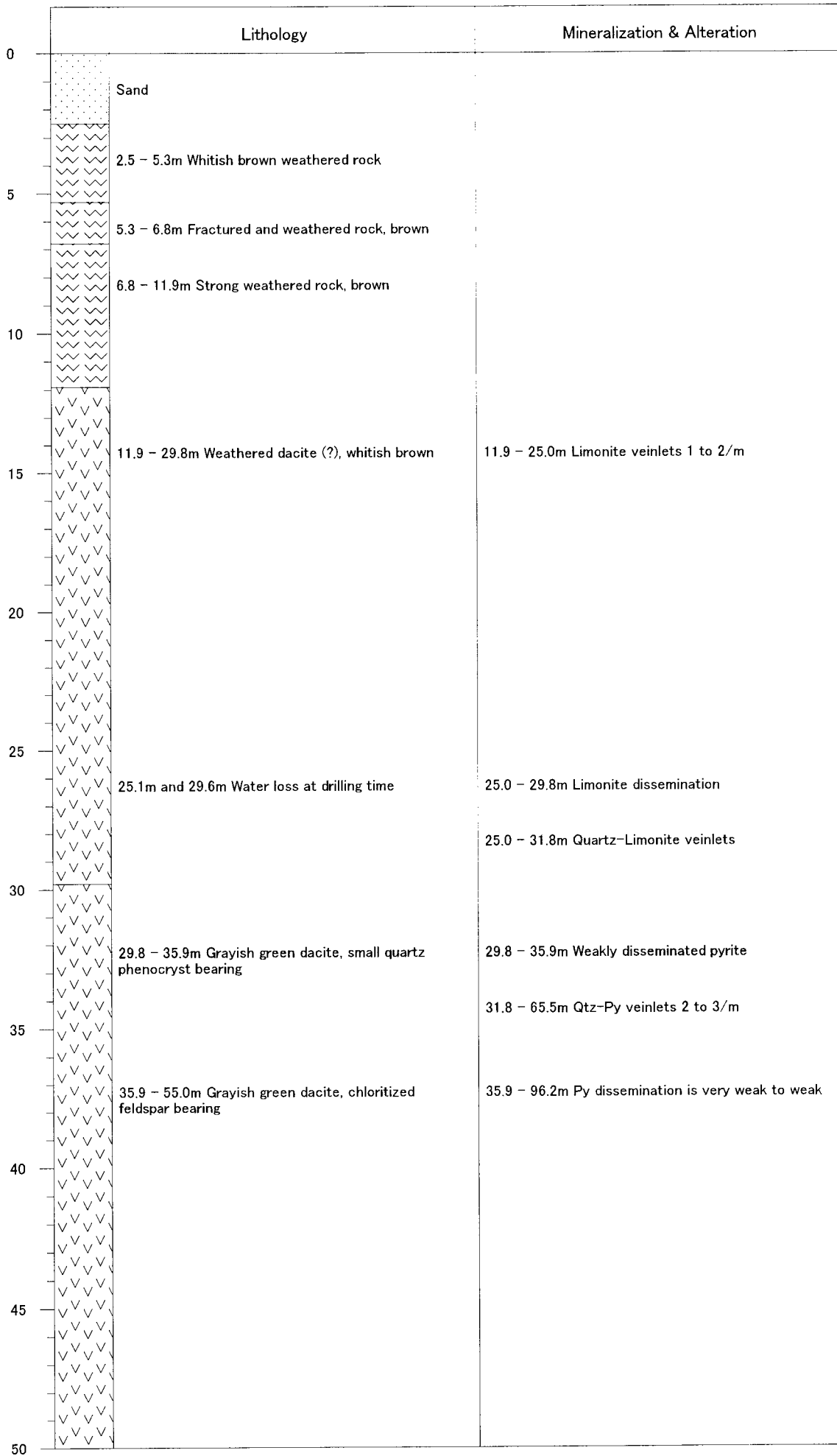
	Lithology	Mineralization & Alteration
100		
	100.1 - 110.0m Rhyodacitic tuff, pale gray	
105		106.3 - 107.8m Py dissemi strong
		107.8 - 110.0m Py dissemi medium
110	110.0 - 110.7m Basalt, dark gray	
	110.7 - 113.3m Rhyodacitic tuff	110.7 - 113.3m Py dissemi weak
	113.3 - 116.15m Basalt	
115		
	116.15 - 116.9m Rhyodacitic tuff, pale green	116.15 - 116.9m Py dissemi medium
	116.9 - 117.5m Basalt	
	117.5 - 119.1m Rhyodacitic tuff	117.5 - 119.1m Py dissemi medium, 117.6 - 118.0m strong Py dissemi
	119.1 - 119.7m Basalt	
120		119.7 - 122.6m Py strong dissemi (or network)
	119.7 - 132.6m Rhyodacitic tuff	
125		
		126.7 - 128.0m Py-Qtz network, wd max 2cm
		126.7 - 171.5m Py dissemi weak to medium
130		129.85 - 131.6m Py-Qtz network
	132.6 - 135.1m Rhyodacite without flow-band	
	← 133.5m Thin section : T-10 Meta-rhyolite	
135		
	135.1 - 136.8m Pale gray basalt	
		137.9 - 139.7m Py-Qtz network
140		
	136.8 - 168.7m Rhyodacite, whitish gray	
		141.5 - 142.2m Py (-Cp) - Qtz network, wd max 3mm
145		
		144.9 - 147.5m Py-Qtz network, wd max 5cm
150		



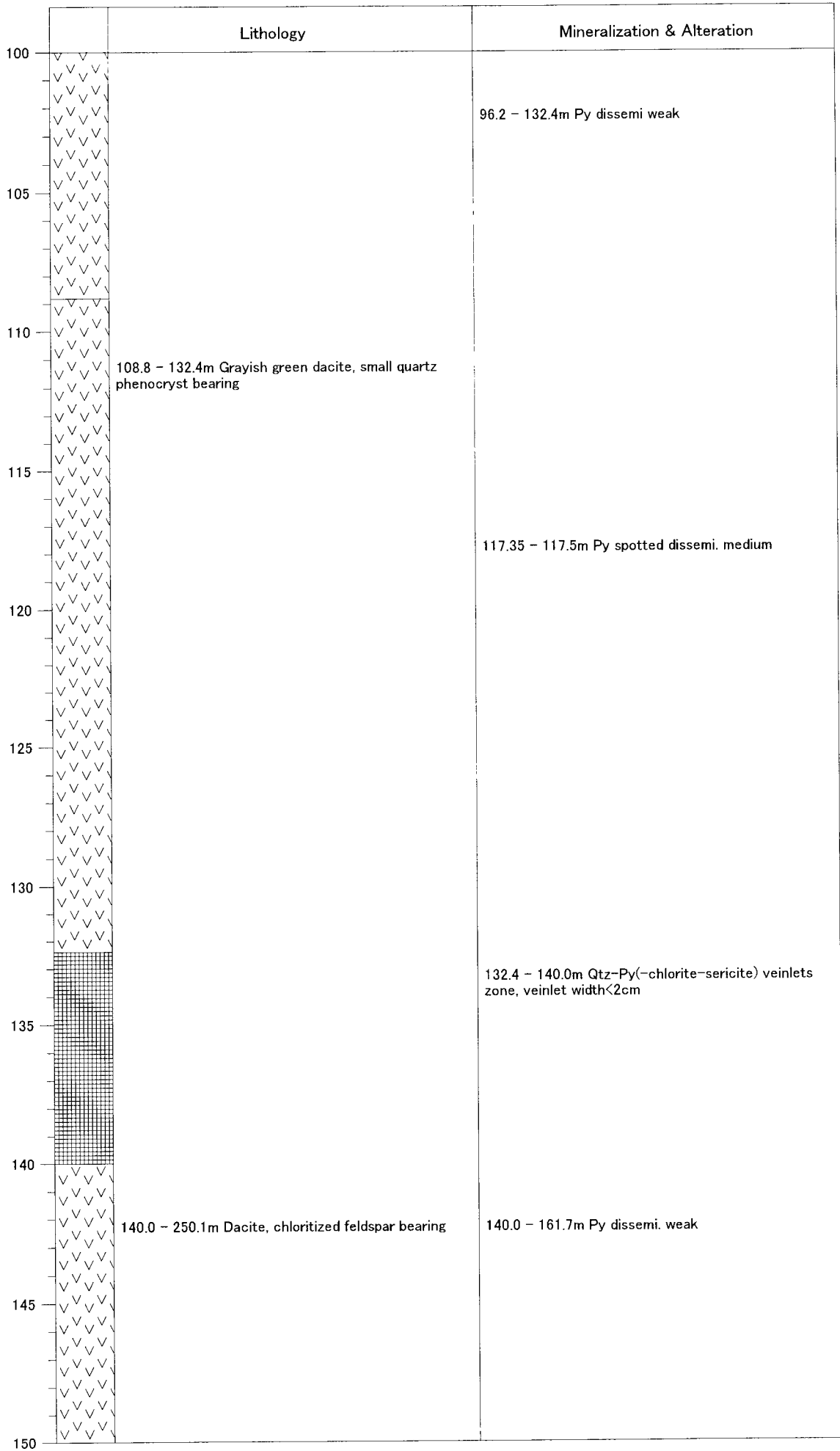
	Lithology	Mineralization & Alteration
200	200.0 - 202.7m Laminated tuff	200.0 - 202.7m Py medium impregnation along bedding
	202.7 - 203.5m Rhyodacite or tuff breccia	202.7 - 205.8m Py weak dissemi
	203.5 - 205.3m Rhyodacitic tuff	
205	205.3 - 205.8m Dacitic lapilli tuff	
	205.8 - 216.6m Dacitic tuff, small green patch tuff, rarely Qtz fragments	
210	<- 210.0m Thin section : T-11 Highly sheared rhyolitic to rhyodacitic tuff	
		214.7 - 215.9m Qtz-Py veinlets
215		
	216.6 - 223.4m Qtz-eye dacitic tuff with small green patch, Qtz eye 0.5 - 1cm in diameter	218.6 - 218.9m Qtz-Py veinlets
220		
	223.4 - 226.9m Dacitic fine tuff, similar to laminated tuff	223.4 - 226.9m Py medium dissemi
225		
	226.9 - 234.5m Dacitic tuff with small green patch and partly Qtz-eye	226.9 - 239.1m Qtz-Py veinlets seldomly
230		
	234.5 - 239.1m Dacitic tuff with elongated green patch and partly Qtz-eye, greenish gray	
235		
	239.1 - 245.5m Dacitic tuff with small green patch and partly Qtz-eye	239.1 - 245.5m Qtz-Py veinlets 2/m
240		
	245.5 - 251.1m Dacitic tuff with a small amount of green patch and Qtz-eye	245.5 - 251.6m Py weakly dissemi
245		
250		



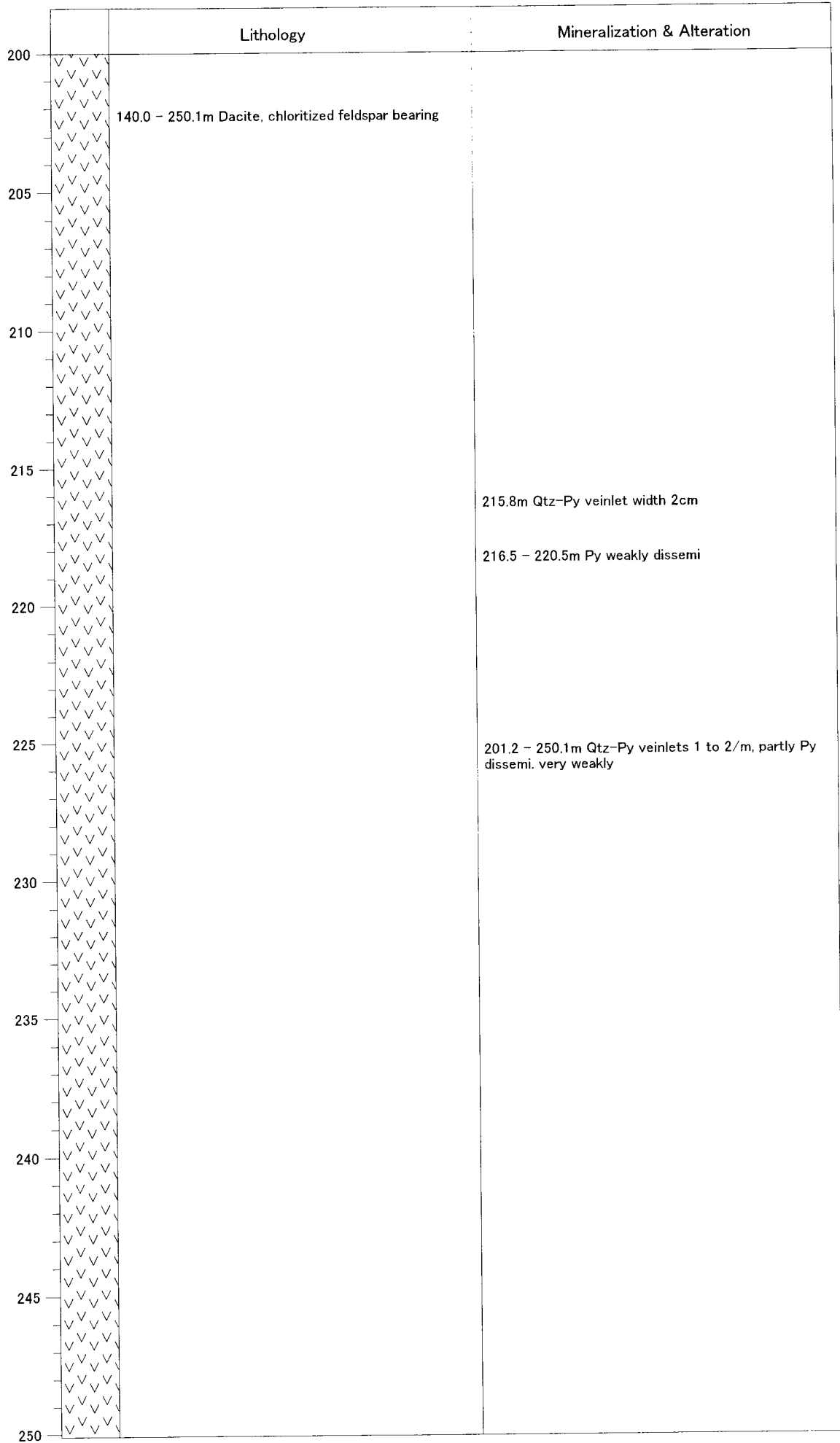
	Lithology	Mineralization & Alteration
300		
		301.0 – 302.4m Qtz veinlets and Py weakly dissemi
	304.4 – 309.95m Dacitic tuff without green patch, partly Qtz-eye bearing	307.0m Qtz vein, 10cm in width
		309 – 309.95m Py weakly dissemi., fine-sized
	309.95 – 314.3m Dacite, grayish green	309.95 – 314.3m Py dissemi very weakly
	314.3 – 330.7m Dacitic tuff, partly Qtz-eye bearing	
		317.5 – 318.95m Py weak dissemi
		321.6 – 350.4m Py weakly dissemi
	330.7 – 340.2m Dacite	
	340.2 – 350.4m Dacitic tuff	



	Lithology	Mineralization & Alteration
50		
55	55.0 – 65.5m Pale greenish gray dacite, small quartz phenocryst bearing	
60	← 57.6m Thin section : T-13 Rhyodacitic tuff or lava	
65	65.5 – 77.8m Grayish green dacite, chloritize feldspar bearing	67 – 70.2m Qtz-chlorite veinlets
70		71 – 75m Py spotted dissemi. weakly
75	← 75.3m Thin section : T-14 Rhyodacitic tuff or lava	77.8m Barren Qtz vein 3cm in width
80	77.8 – 80.0m Grayish green dacite, large chloritized feldspar rich	
85	(81.7 – 83.6m Sheared) 80.0 – 96.2m Grayish green dacite, small quartz phenocryst bearing, partly feldspar	
90		89.5 – 90.7m Py spotted dissemi
95		
100	96.2 – 108.8m Grayish green dacite, chloritized feldspar bearing	96.2 – 108.8m Qtz-Py veinlets 2 to 3/m, width < 1cm



	Lithology	Mineralization & Alteration
150	140.0 - 250.1m Dacite, chloritized feldspar bearing	
155		152.4 - 155.7m Py-Qtz veinlets 5/m, partly accompanied with Cp? 155.7 - 169.5m Py weak to medium dissemi.
160		
165		161.7 - 186.5m Py dissemi. medium 161.7 - 162.4m Qtz-Py veinlet zone 163.6 - 165.8m Py-Qtz veinlet zone
170		168.8 - 169.5m Qtz-Py veinlet zone
175		
180		177.8m Py-Qtz vein, 20cm wide
185		182.0-182.4m Py-Qtz veinlets, high angle 169.5 - 186.5m Py spotted dissemi. weak to medium
190		186.5 - 201.2m Py spotted dissemi. weakly 182.4 - 201.2m Qtz-Py veinlets 1 to 2/m
195		
200		

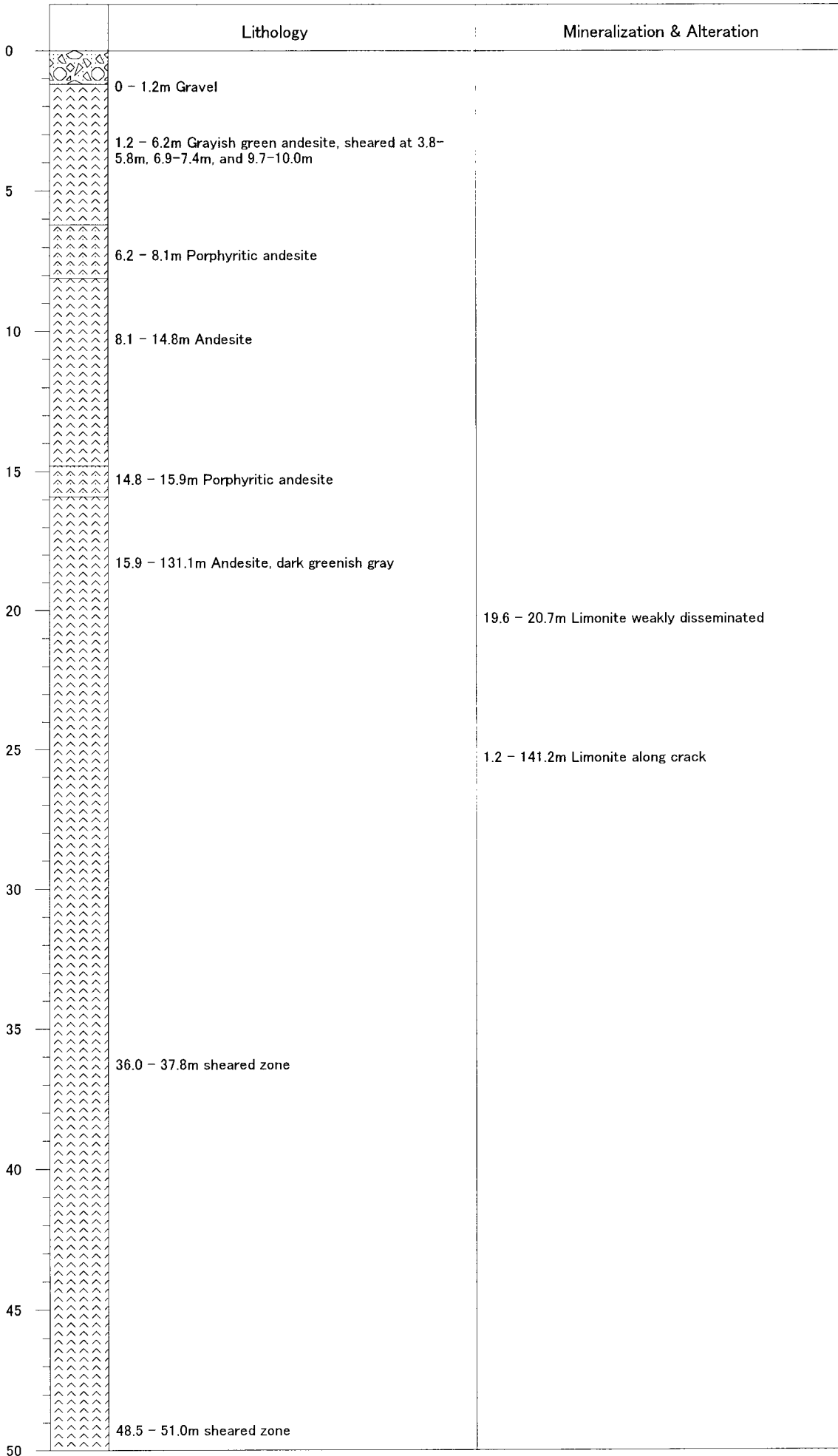


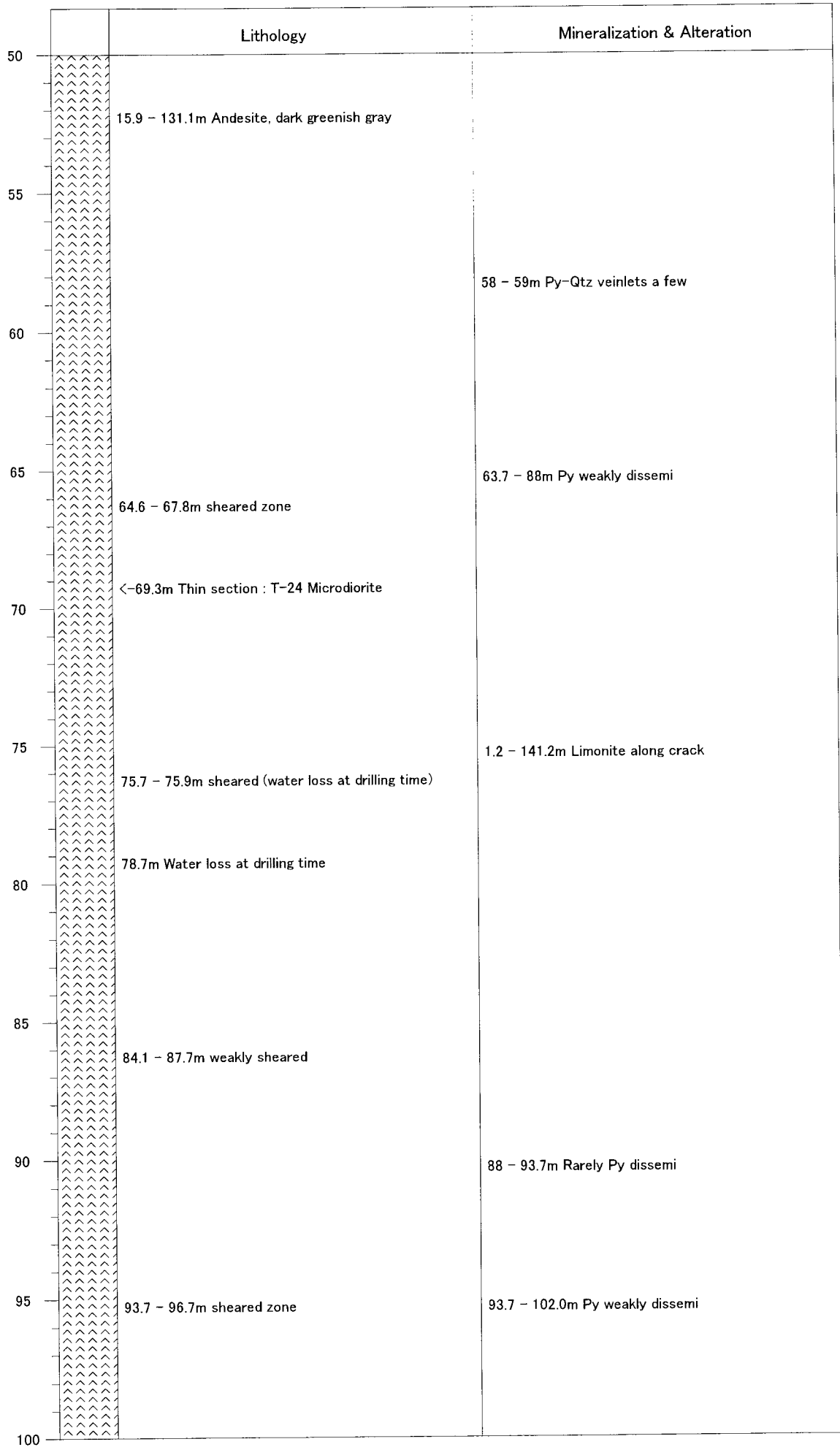
Drill Hole No. : MJSU-12 Date Started Oct. 2, 2000 Date Completed : Oct. 11, 2000

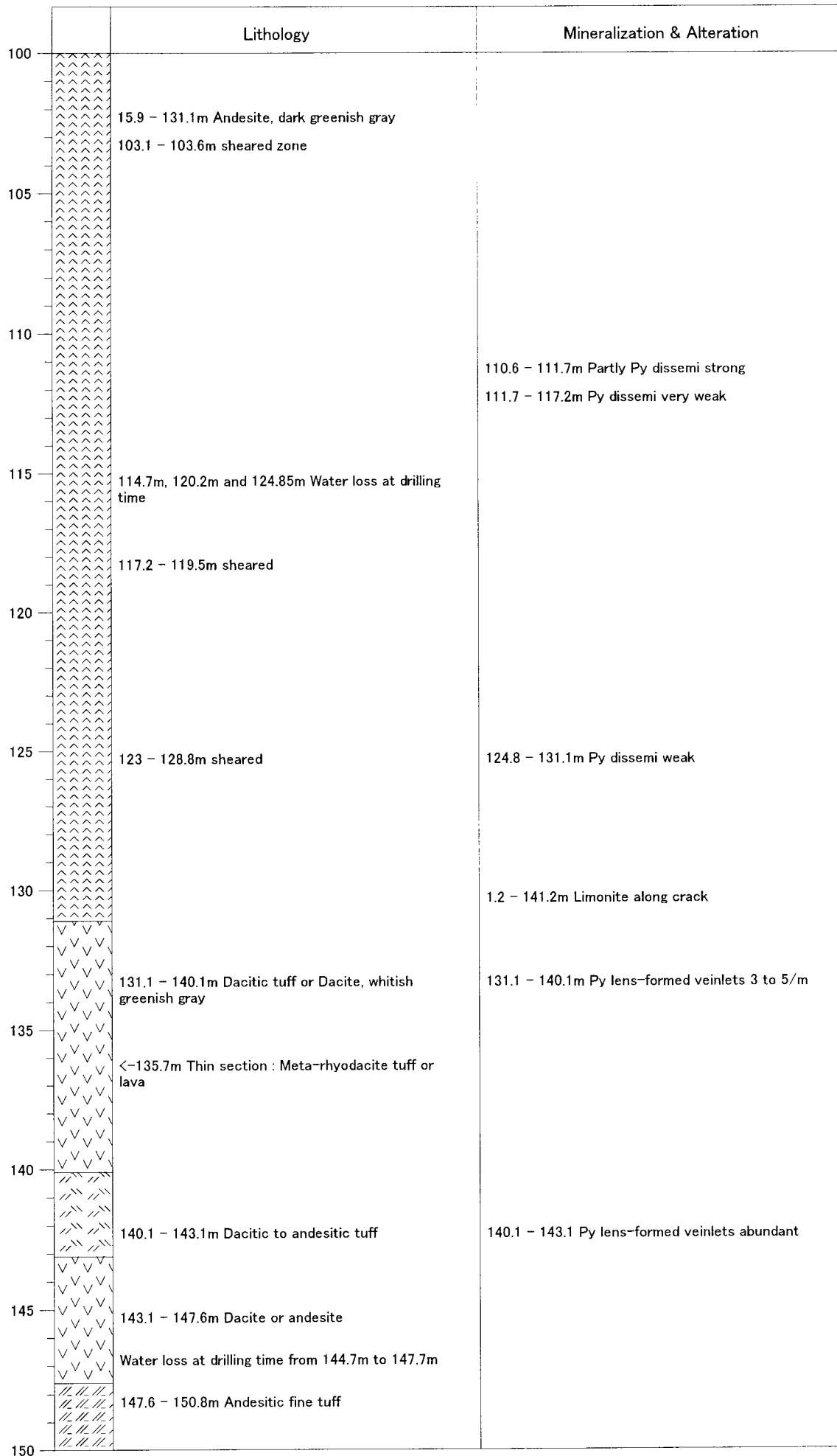
Easting : E 709.939 Northing : N 2,617.550 Elevation (mSL) : 965

Azimuth : 270 Inclination : -55

Drilled by SGS/BRGM





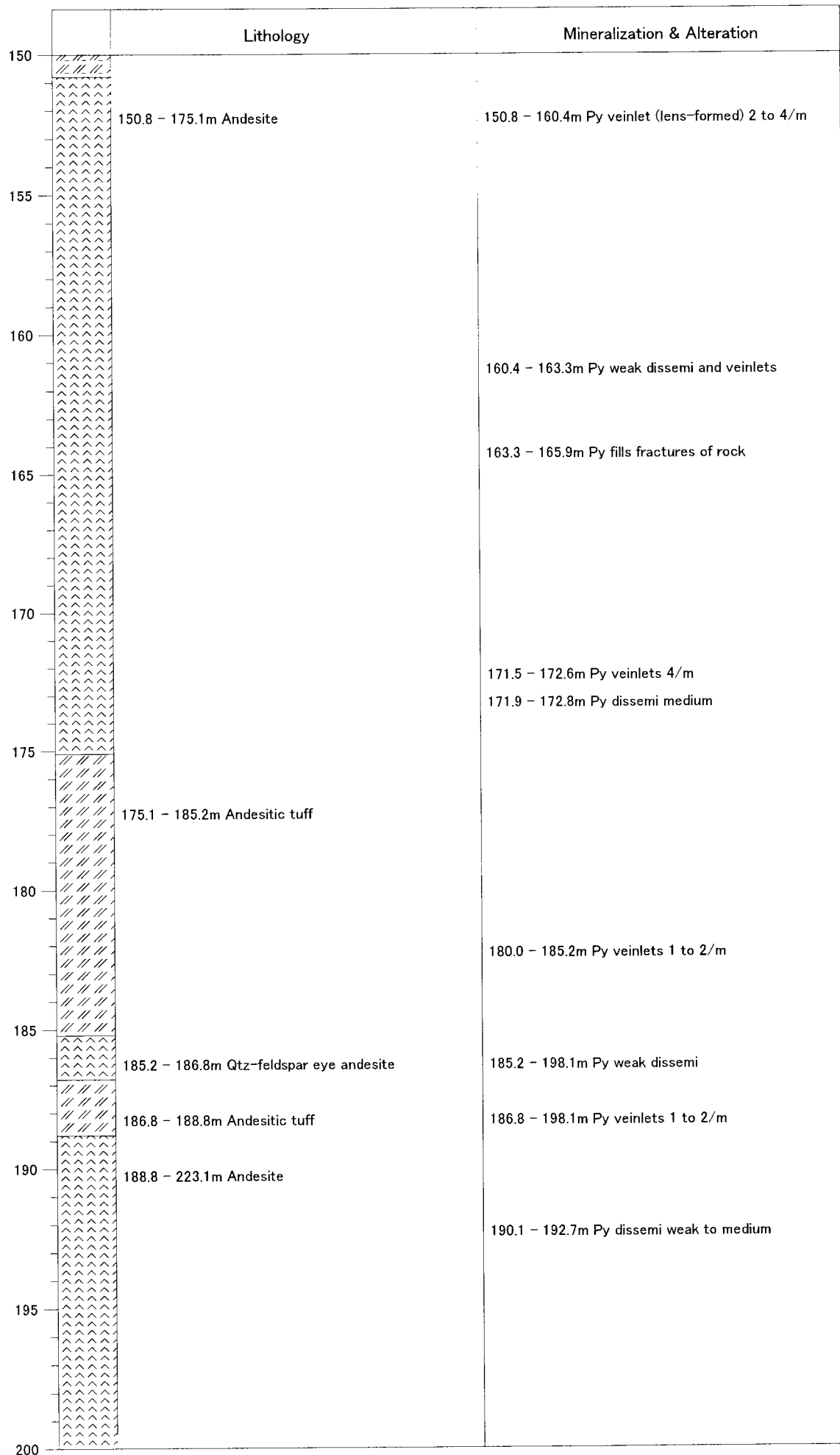


Drill Hole No. : MJSU-12 Date Started Oct. 2, 2000 Date Completed : Oct. 11, 2000

Easting : E 709.939 Northing : N 2,617.550 Elevation (mSL) : 965

Azimuth : 270 Inclination : -55

Drilled by SGS/BRGM

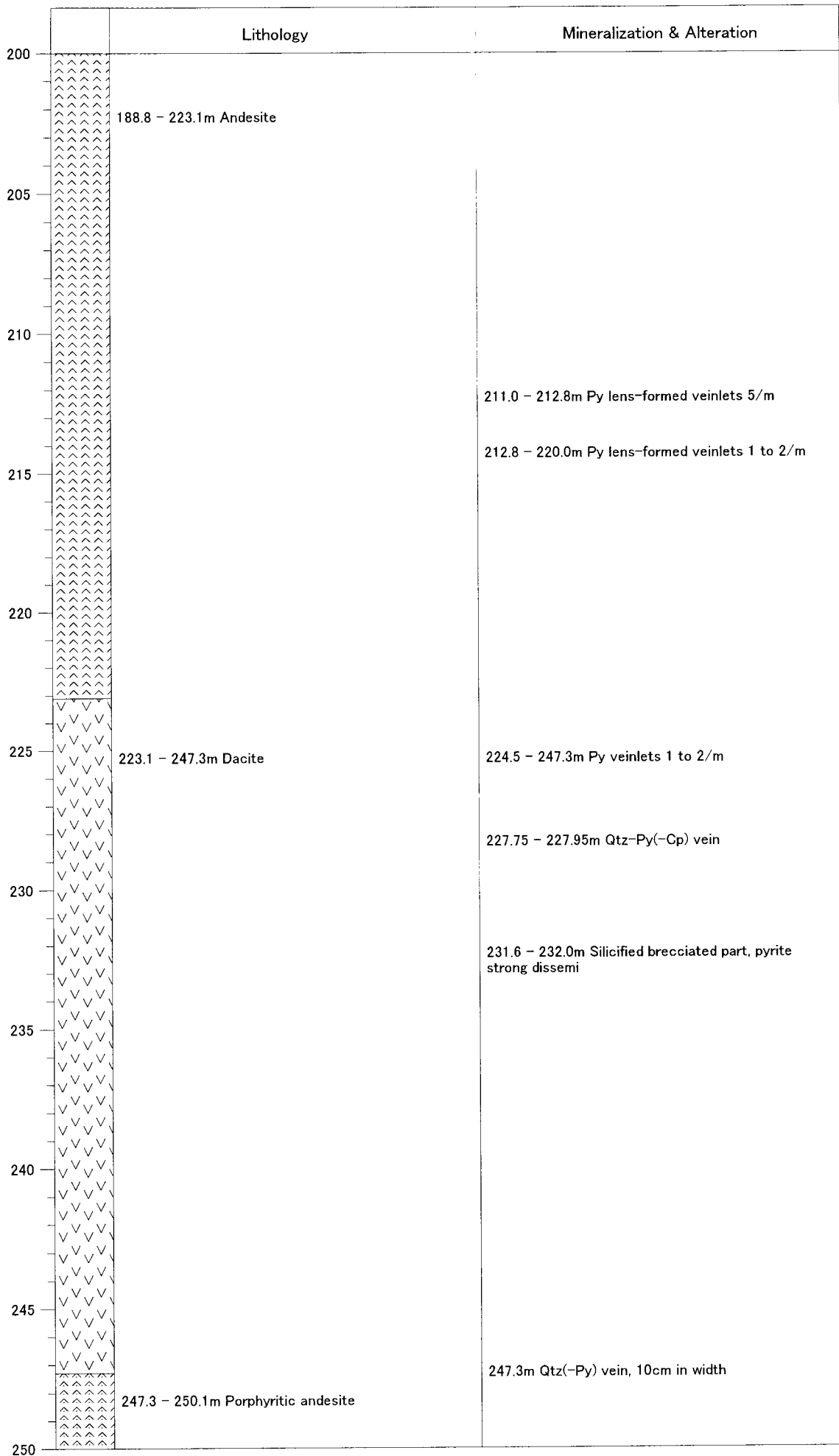


Drill Hole No. : MJSU-12 Date Started Oct. 2, 2000 Date Completed : Oct. 11, 2000

Easting : E 709.939 Northing : N 2,617.550 Elevation (mSL) : 965

Azimuth : 270 Inclination : -55

Drilled by SGS/BRGM



Drill Hole No. : MJSU-13

Date Started Oct. 9, 2000

Date Completed : Oct. 23, 2000

Easting : E 709.835

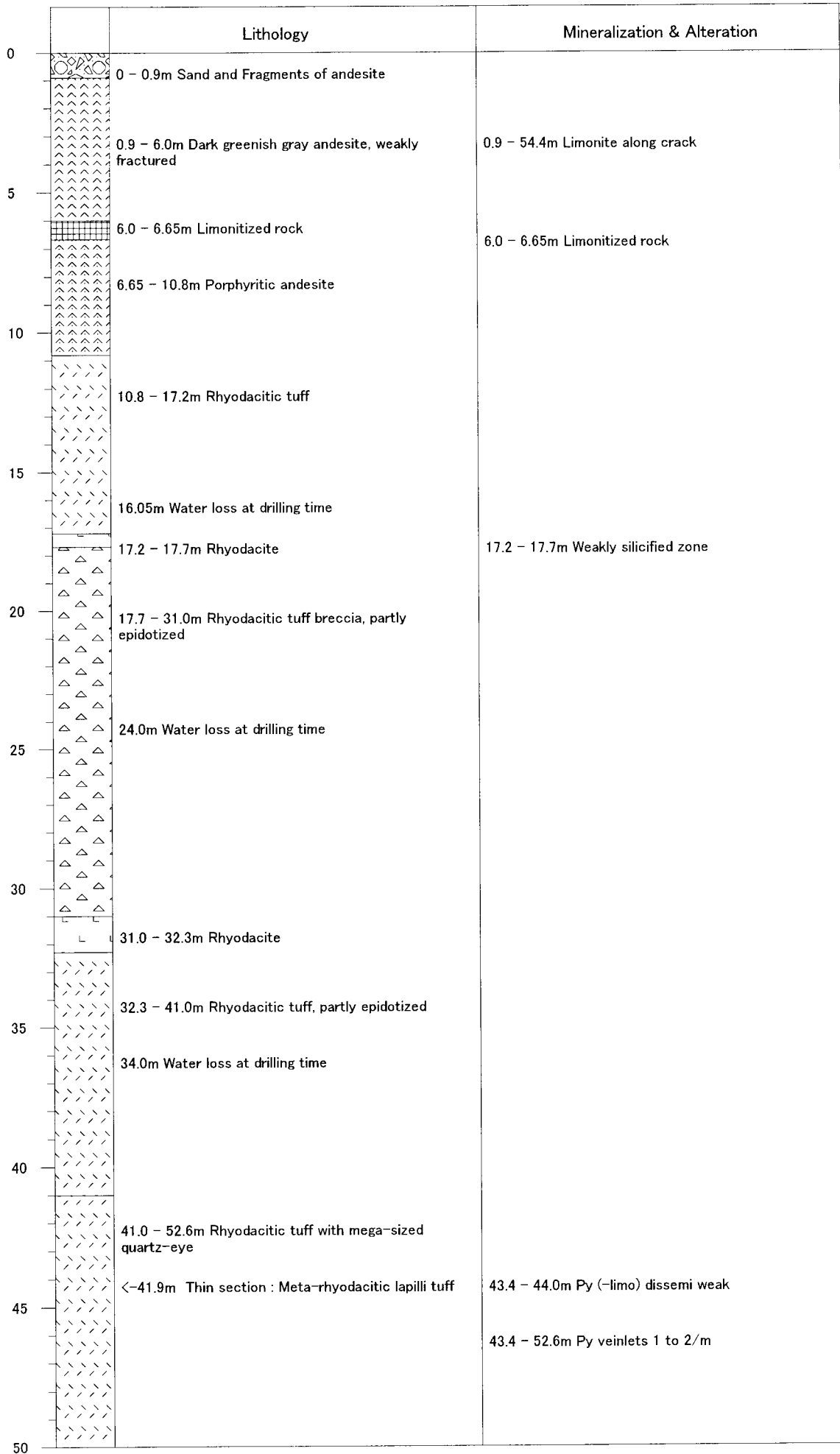
Northing : N 2,617.120

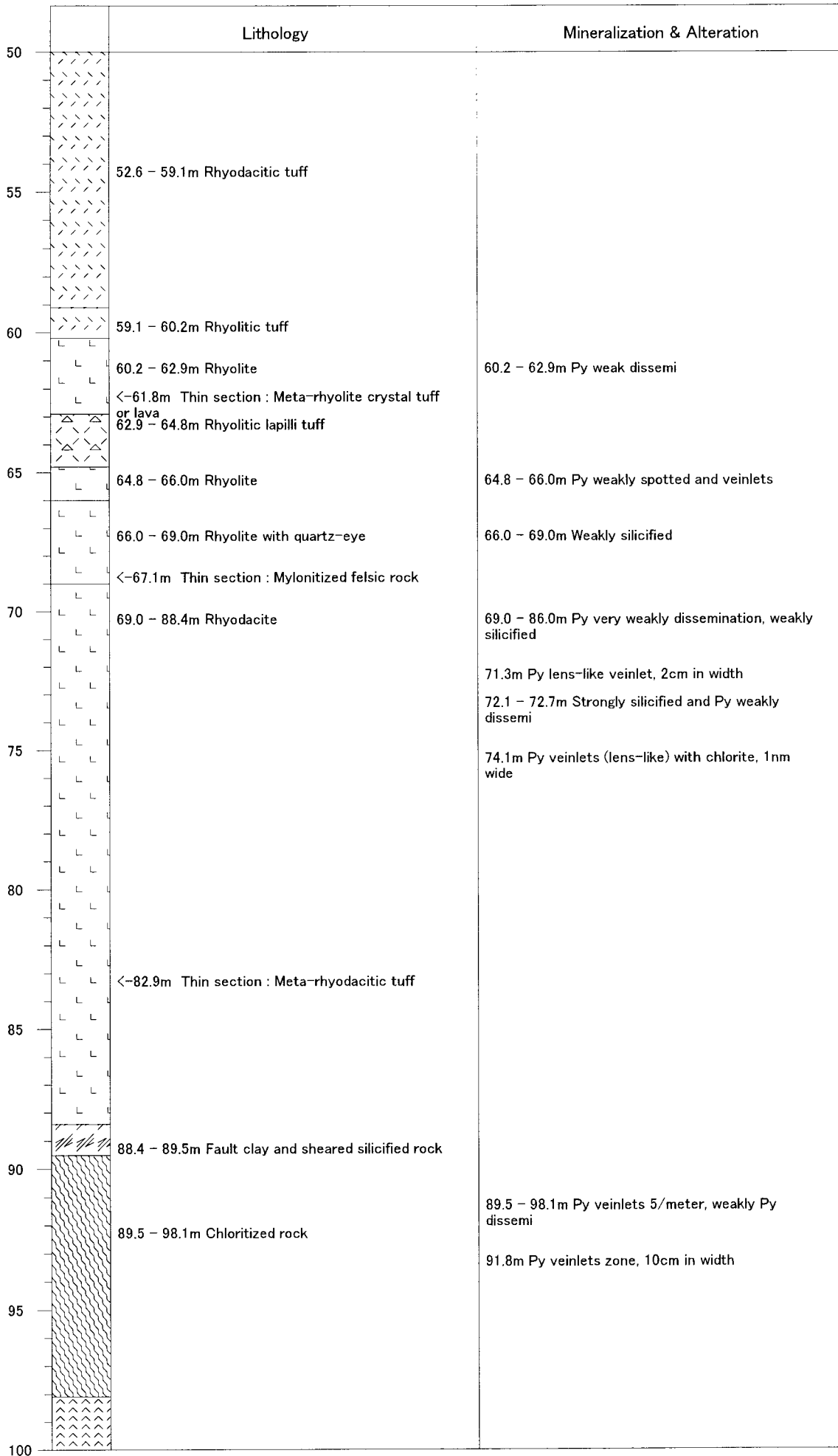
Elevation (mSL) : 965

Azimuth : 330

Inclination : -55

Drilled by SGS/BRGM



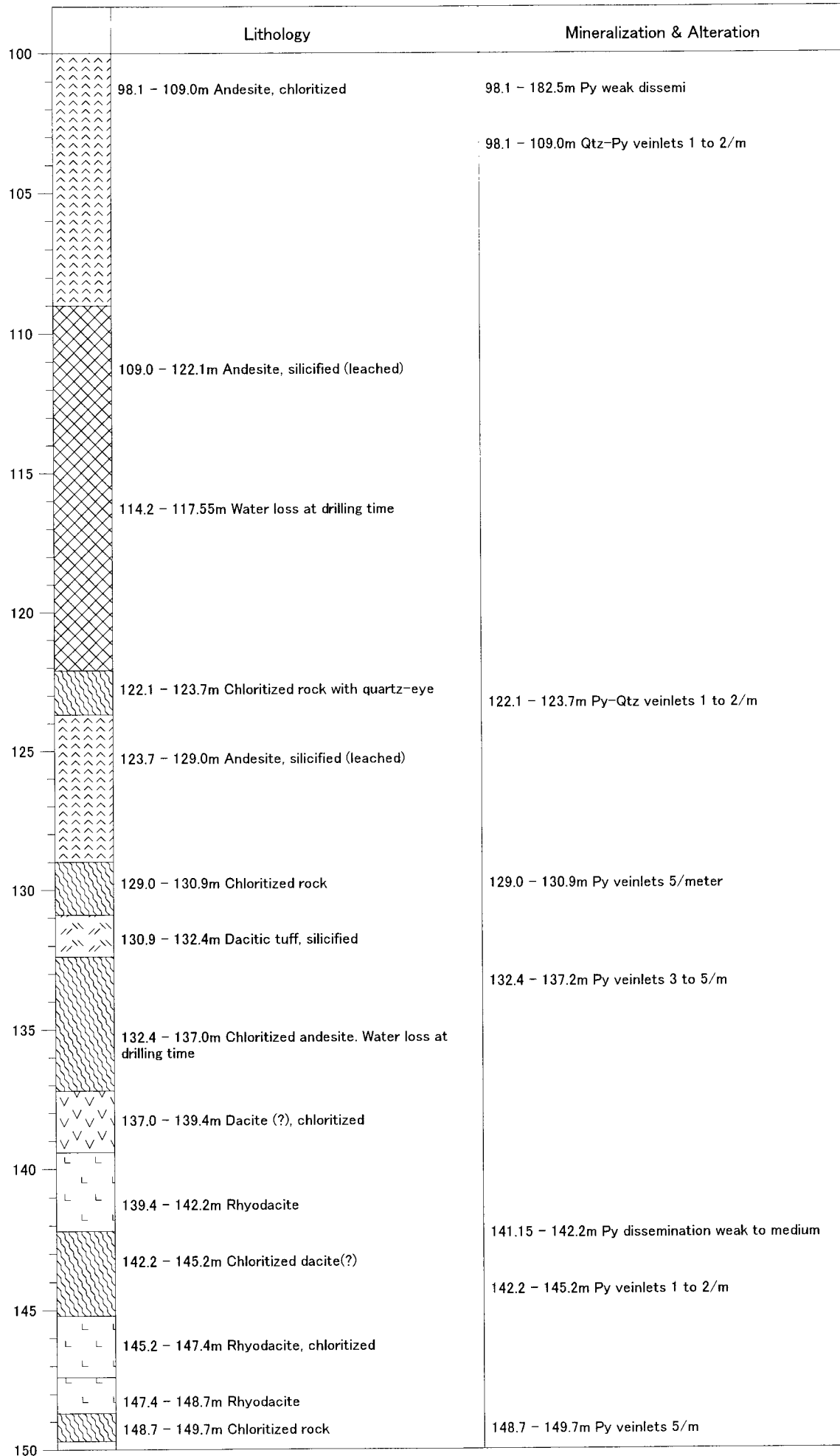


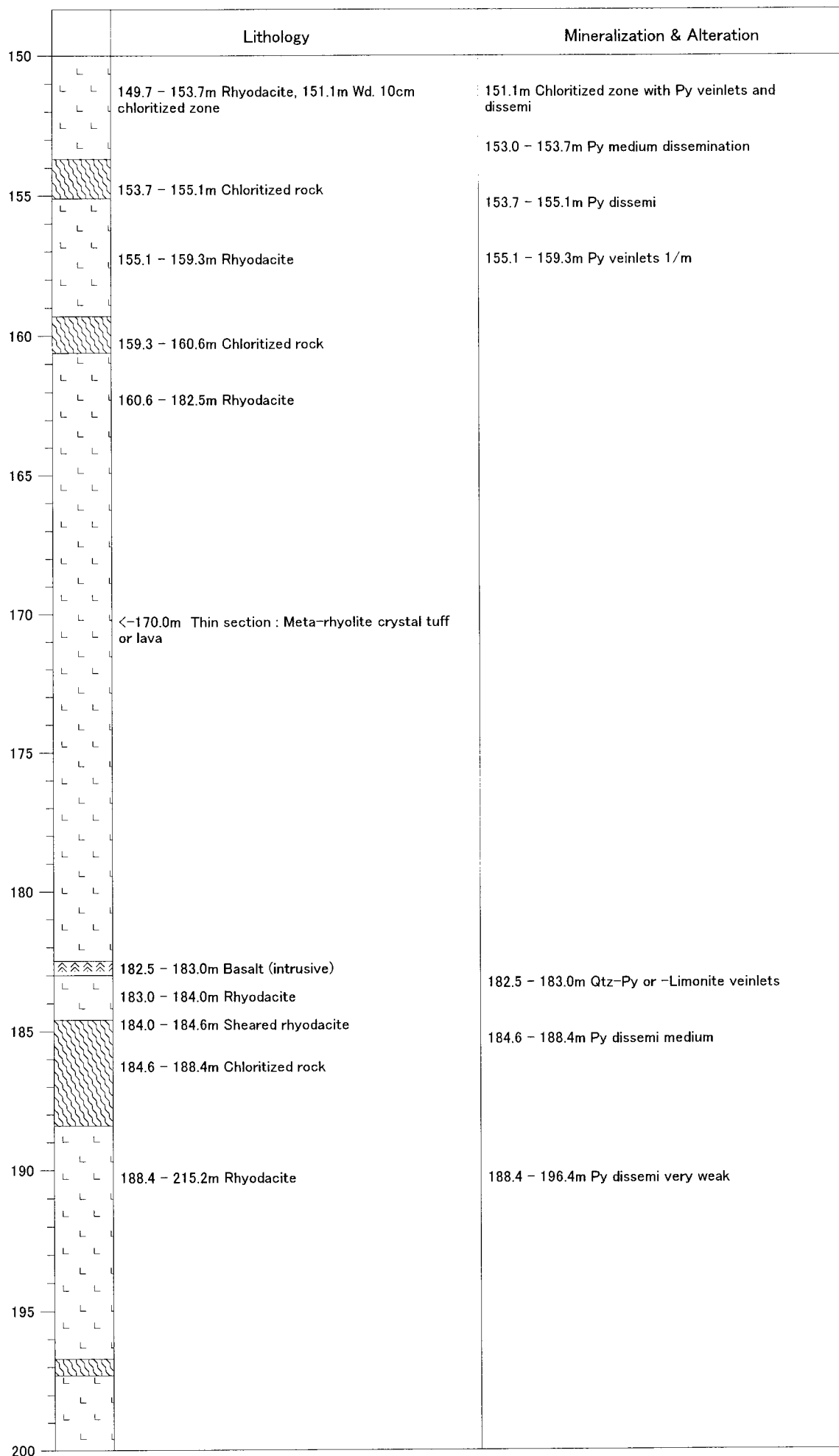
Drill Hole No. : MJSU-13 Date Started Oct. 9, 2000 Date Completed : Oct. 23, 2000

Easting : E 709.835 Northing : N 2,617.120 Elevation (mSL) : 965

Azimuth : 330 Inclination : -55

Drilled by SGS/BRGM



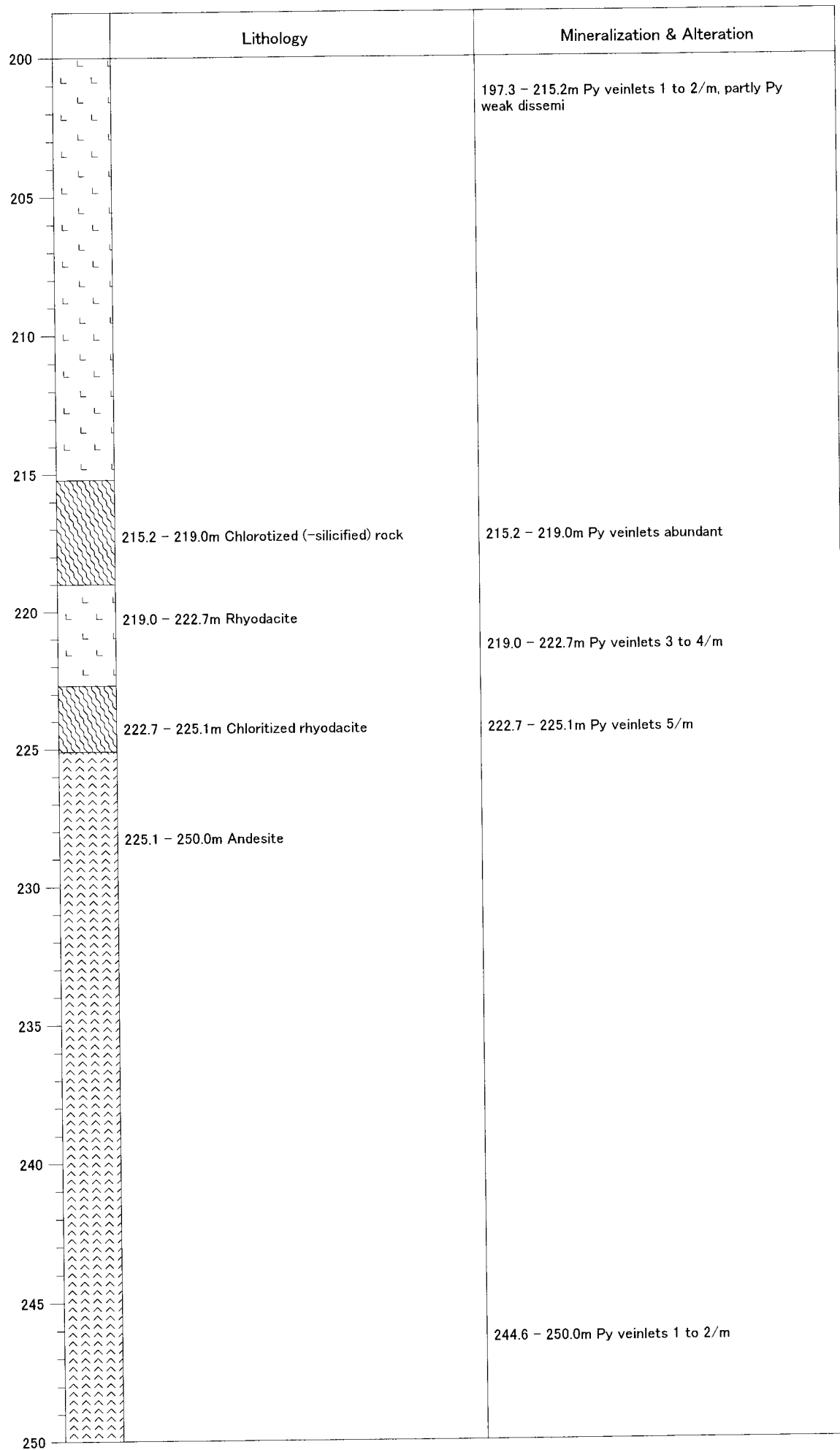


Drill Hole No. : MJSU-13 Date Started Oct. 9, 2000 Date Completed : Oct. 23, 2000

Easting : E 709.835 Northing : N 2,617.120 Elevation (mSL) : 965

Azimuth : 330 Inclination : -55

Drilled by SGS/BRGM



	Lithology	Mineralization & Alteration
0	0 - 1.0 m Strongly weathered rock	
5	1.0 - 19.0m Rhyodacitic tuff breccia, pale greenish gray	2.6 - 4.0m Weakly spotted limonite (hematite) in silicified breccia
10	12.0 - 12.2m Sheared and weathered zone	8.9 - 13.5m Quartz-calcite-sericite-chlorite veinlet, wd <1cm
15	19.05m and 21.85m Water loss at drilling time	13.5 - 14.2m Hema+limo. network + stained 14.2 - 18.0m Weakly spotted py - limo aggregates in breccia
20	19.0 - 22.7m Rhyodacitic lapilli tuff	18.0m Spotted py aggregates in matrix 19.0 - 22.7m Partly py spotted aggregates in breccia (max. 3mm)
25	22.7 - 22.9m Rhyodacitic tuff	22.7m Quartz veinlet wd. 1cm parallel to bedding
30	22.9 - 36.9m Rhyodacitic tuff breccia, pale greenish gray	23.7m Py aggregates in lens form in matrix (wd 1cm, length 3cm) 25.8m Py aggregates in lens form in matrix (wd 0.7cm)
35		30.6m Quartz veinlet cutted by py-cp-qtz veinlet (wd. 1cm) 33.0m - Very weakly py dissemi. in matrix
40	36.9 - 60.2m Rhyodacitic lapilli tuff, pale green	36.9 - 60.2m Partly py aggregates mainly in matrix
45		
50		

	Lithology	Mineralization & Alteration
50		
55		
60	60.2 - 68.0m Rhyodacitic tuff breccia, pale green	60.2 - 67.8m Partly py (-cp) aggregates in matrix, angular, cutted by calcite micro-veinlet
65		
70	68.0 - 70.0m Rhyodacitic lapilli tuff, pale green	67.8 - 68.3m Py-cp aggregates in breccia and matrnx
75	70.0 - 72.9m Basalt (Micro-diorite ?), dark green	69.0 - 69.5m Py-cp spotted aggregates in veinlet form (wd. 0.5-1cm)
	72.9 - 75.7m Rhyodacitic lappilli tuff	
80		
	75.7 - 86.6m Rhyodacitic tuff, pale greenish gray	75.7 - 86.6m Py weakly dissemi.
85	<84.1m Thin section : T-1 Fine vitric tuff of dacitic composition	
	86.8 - 90.0m Basalt (?), pale greenish gray	
90	<- 88.0m Thin section : T-2 Reworked tuff of intermediate composition	90.0 - 97.1m Hema-qtz irregular form
95	90.0 - 98.6m Rhyodacite (?), pale greenish gray	
100	98.6 - 109.4m Rhyodacitic lapilli tuff with black fragments or layers in matrix	97.9 - 98.3m Py strong dissemi.

	Lithology	Mineralization & Alteration
100		
	98.6 - 109.4m Rhyodacitic lapilli tuff with black fragments or layers in matrix	98.6 - 109.4m Py dissemi. (medium)
105		
	109.4 - 115.0m Rhyodacite, massive, partly flow-banded, pale greenish gray	109.4 - 115.0m Py dissemi. (medium), partly py-qtz aggregates 2x4mm
110		
	115.0 - 122.0 Rhyodacitic tuff breccia, partly rhyodacite	115.0 - 122.0m Py dissemi. medium to weak
115		
	122.0 - 129.55m Rhyodacitic tuff, pale greenish gray	122.0 - 132.65m Py dissemi. weak
120		
	123.1 - 123.3m Basalt	125.6 - 126.5m Weakly arg.
125		
	129.55 - 132.65m Basaltic tuff	
130		
	132.65 - 135.75m Basalt(?)	132.7m Several Cp-Qtz veinlets
135		
	135.75 - 136.5m Basaltic tuff	
	136.5 - 138.8m Basalt	136.5 - 141.5m Py dissemi. weak
	<- 136.8m Thin section : T-3 Meta-andesitic to dacitic fine tuff	
140		
	138.8 - 139.5m Basaltic tuff	140.2 - 141.1m Many Py-Qtz veinlets parallel to bedding, wd. 1 to 2cm.
	139.5 - 141.5m Rhyodacite, flow-banded	
	141.5 - 144.5m Basalt - basaltic tuff	141.5 - 154.4m Py dissemi. weak to medium
145		
	144.5 - 146.3m Rhyodacitic tuff, partly containing basalt breccia	
	146.3 - 154.4m Basaltic tuff, pale gray	
150		148.0 - 150.5m Py-Qtz veinlets - network

	Lithology	Mineralization & Alteration
150		150.5 - 152.6m Qtz-Py network
155	154.4 - 154.6m Lapilli tuff (basic ?)	154.0 - 154.2m Py veinlets - network 155.4m Py disseminated band, wd.2cm
	154.6 - 158.6m Rhyodacitic tuff, pale greenish gray	158.6 - 159.6m Py dissemi very weak
	158.6 - 159.6m Rhyodacitic lapilli tuff	159.6 - 160.8m Py-Qtz veinlets, Py dissemi medium to strong
160	159.6 - 160.8m Basalt, dark gray	160.8 - 165.7m Py dissemi very weak, partly Py-Qtz aggregates
	160.8 - 166.1m Rhyodacitic tuff, partly lapilli tuff, pale greenish gray	
165		165.7 - 166.3m Py-Qtz veinlets, Py dissemi strong, silicified
	166.1 - 168.8m Black shale or shale flattened ball in rhyodacitic tuff <- 167.2m Thin section : T-4 Phyllite (meta-volcanic equivalent of fine dacitic tuff)	166.3 - 168.8m Py dissemi medium 168.8 - 169.1m Py weak to medium disseminated
	168.8 - 169.1m Basaltic tuff	
170	169.1 - 170.8m Rhyodacitic lapilli tuff	169.1 - 170.8m Py medium dissemi.
	170.8 - 171.7m Basaltic tuff	170.8 - 172.3m Py dissemi strong 170.8 - 172.3m Py dissemi medium to strong
	171.7 - 176.8m Basalt breccia in rhyodacite or rhyodacitic tuff	172.3 - 176.8m Py dissemi weak to medium
175		
	176.8 - 182.0m Basaltic tuff, dark gray	176.8 - 179.0m Py weak dissemi.
180		179.0 - 182.0m Py-Qtz aggregates or veinlets rich
	182.0 - 185.6m Rhyodacitic tuff containing black mud patch	182.0 - 185.6m Py dissemi weak, partly Py-Cp strong dissemi.
185		
	185.6 - 190.9m Basalt breccia filled with rhyodacite <- 188.5m Thin section : T-5 Highly sheared meta-volcanic rock	185.6 - 190.9m Py dissemi weak to nul.
190		
	190.9 - 195.7m Dark gray basaltic tuff	190.9 - 195.7m Py dissemi weak, Many Py-Qtz veinlets (wd.<1cm)
195		
	195.7 - 196.3m Basaltic tuff, dark gray	195.7 - 196.3m A lot of Cp-Py patch, Py patch (wd.<3mm) and basaltic tuff layers in tuff
	198.9 - 199.2m Tuff with black mud patch, basalt fragments	198.9 - 202.9m Py weak dissemi.
200		

	Lithology	Mineralization & Alteration
200	199.2 - 202.9m Dark gray basaltic tuff	
	203.2 - 204.1m Rhyodacitic tuff with black mud patch, gray	202.9 - 203.2m Siliceous tuff with black mud patch, Qtz layers, Py-Qtz patch and Py impregnation
205	204.45 - 204.5m Gray muddy tuff	204.1 - 204.45m Gray tuffaceous mud with Py-Cp-Sp-Qtz impregnation and layers
	204.5 - 209.6m Rhyodacitic tuff, partly with black mud patch, pale greenish gray	
210	209.6 - 210.9m Rhyodacitic lapilli tuff, pale greenish gray	209.6 - 210.9m Py weak dissemi
	210.9 - 214.1m Rhyodacitic lapilli tuff with black mud patch	210.9 - 214.1m Py weak dissemi, weakly sili 214.1 - 215.5m Strong silicified, Py weak dissemi
215	214.1 - 215.5m Whitish gray strong silicified rock with mud patch	215.5 - 219.15m partly Py or Py-Cp veinlets and aggregats
	215.5 - 219.15m Lapilli tuff with mud patch	219.15 - 219.8m Py-Cp patch, Py weak dissemi, partly Py-Cp aggregates
	219.15 - 219.8m Muddy lapilli tuff	219.8 - 220.1m Py-Cp strongly impregnated in mud
220	219.8 - 220.1m Black mud	220.1 - 220.2m Barren Qtz vein
	220.9 - 221.0m Black shale	220.2 - 220.9m Fine banded ore (Sp rich + Py-Cp or unknown mineral rich), wd of bands 1 to 15 mm
	221.0 - 221.2m Gray muddy tuff	
	221.75 - 221.8m Black shale	220.9 - 221.0 Py weak dissemi
225	221.8 - 222.35m Muddy lapilli tuff	221.0 - 221.2m Py or Cp patch, black shale patch, Py-Cp-Sp dissemi strong
	222.35 - 233.6m Rhyodacitic lapilli tuff with mud patch, partly tuff breccia	221.2 - 221.75m Massive sulfide ore, weakly banded with Sp rich + Py-Cp rich, Qtz-clay layers
230		221.75 - 221.8m Silicified 221.8 - 222.35m Py weak dissemi, partly Py(-Cp) aggregates
235	233.6 - 242.6m Rhyodacitic tuff breccia	234.5 - 234.9m weak sili, Py strongly spotted dissemi
240		
245	242.6 - 250.0m Rhyodacitic lapilli tuff with black mud patch	244.1 - 245.7m Py-Cp-Qtz veinlets
	242.6 - 250.0m Rhyodacitic lapilli tuff, pale greenish gray	
250		

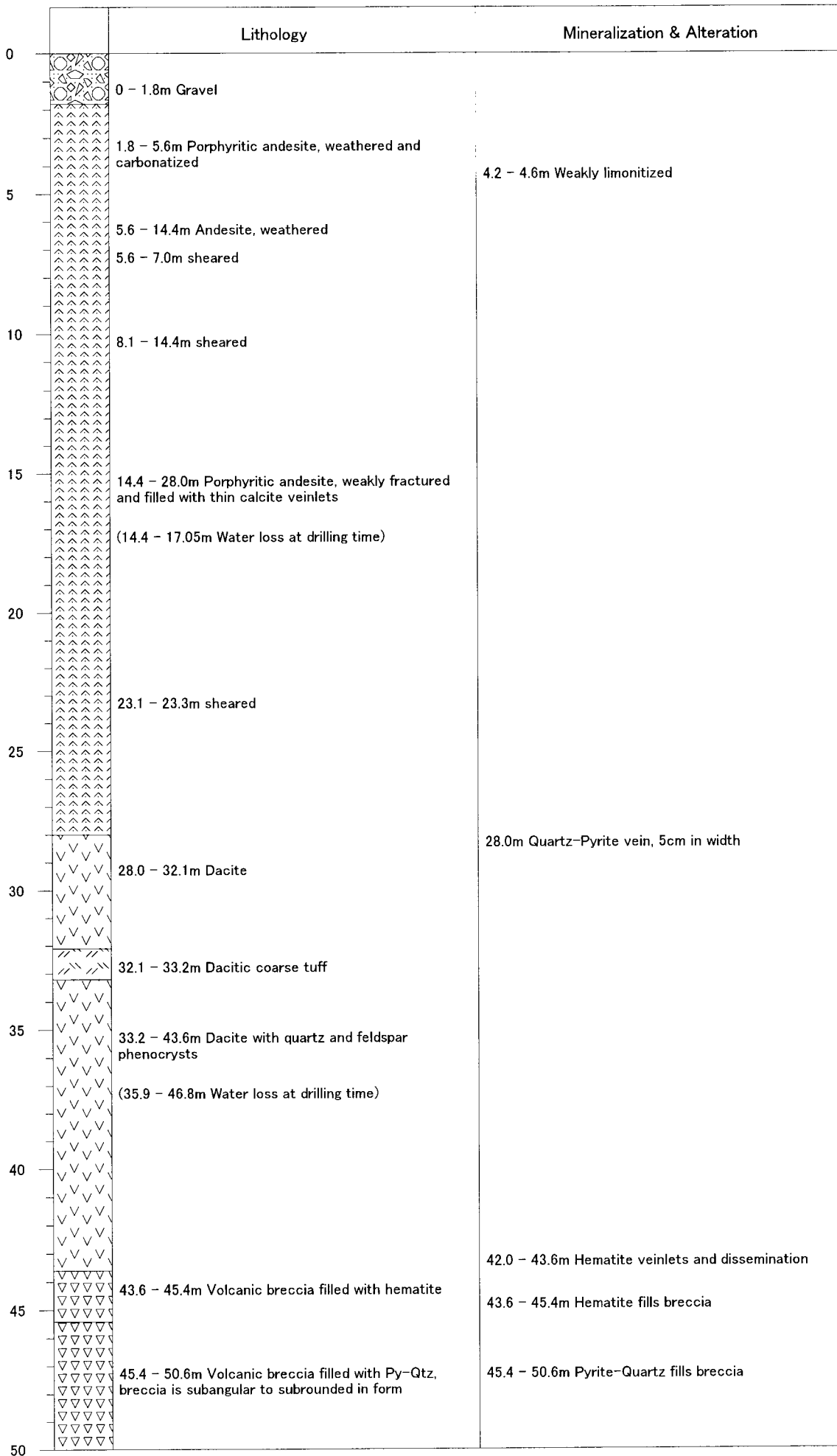
Drill Hole No. : MJSU-14 Date Started Sep. 04, 2000 Date Completed : Sep. 14, 2000

Easting : E 708.595 Northing : N 2,617.720 Elevation (mSL) : 964

Azimuth : 245 Inclination : -55

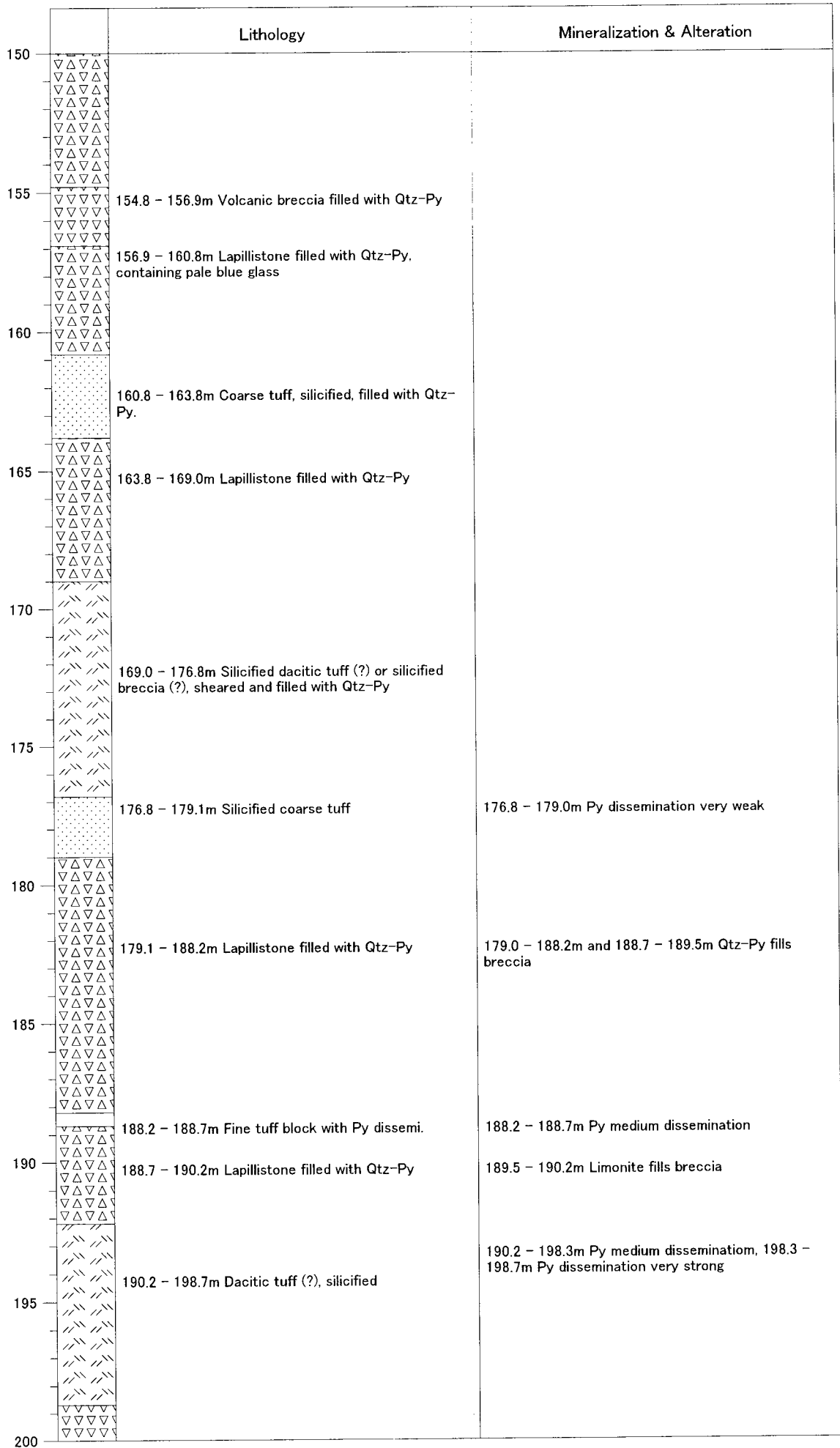
Drilled by SGS/BRGM

	Lithology	Mineralization & Alteration
250	250.0 - 254.0m Rhyodacitic lapilli tuff, pale greenish gray	253.3m Py veinlet
255	254.0 - 256.4m Rhyodacitic tuff	
	256.4 - 265.2m Rhyodacitic tuff breccia	256.4 - 265.2m Weakly silicified, Py weak dissemi.
260		
265	265.2 - 266.6m Basaltic tuff	
	266.6 - 274.6m Rhyodacitic tuff breccia	265.6 - 274.6m Weakly silicified, Py weak dissemi.
270		



	Lithology	Mineralization & Alteration
50	50.6 - 51.9m sheared - argillized breccia with Qtz-Py	
	51.9 - 60.3m Lapillistone to lapilli tuff with Qtz-Py, with ochre colored silicified glass	50.6 - 60.3m Qtz-Py fills breccia
55	(55.4 - 56.2m Water loss at drilling time)	
60	60.3 - 61.5m Sheared and silicified dacite (?) filled with Py-Qtz	60.3 - 61.5m Py-Qtz fills breccia
	61.5 - 80.0m Lapillistone filled with Qtz-Py, fragments are mainly subrounded silicified rock. Size of fragments is less than 1cm.	61.5 - 80.0m Qtz-Py fills breccia
70		
75		
80	80.0 - 81.0m Dacitic tuff (?)	80.0 - 81.0m Py dissemination very weak
	81.0 - 91.8m Lapillistone with Qtz-Py, containing pale green glass abundantly	81.0 - 121.7m Qtz-Py fills breccia
85	(82.8 - 85.8m and 88.8 - 91.8m Water loss at drilling time)	
90		
95	91.8 - 100.0m Coarse tuff filled or disseminate with Qtz-Py, containing pale blue or green argillized glass, partly with big rock fragments(maximum 3cm in length)	
100		

	Lithology	Mineralization & Alteration
100		
	100.0 - 121.7m Lapillistone filled with Qtz-Py, fragments : conglomerate, chert (?), Py-disseminated rock, pale blue silicified glass	
105		
110		
	111.8 - 112.0m Argillized zone	
115		
120		
125		
130		
135		
140		
145		



	Lithology	Mineralization & Alteration
200	198.7 - 203.1m Breccia composed of monolithology (dacite ?) filled with Py-Qtz. Fragments size is variable.	198.7 - 203.1m Py-Qtz fills breccia
205	203.1 - 210.5m Volcanic breccia with pale blue glass, filled with Qtz-Py	203.1 - 210.5m Qtz-Py fills breccia
210	210.5 - 212.9m Silicified breccia , partly massive silicified rock, or filled with ochre-colored quartz	210.5 - 212.9m Py veinlets or Py fills fractures
215	212.9 - 220.8m Rhyodacite or dacite (?), silicified	212.9 - 220.8m Py strong dissemination
220	220.8 - 227.7m Lapillistone filled with Qtz-Py, partly composed of very fine-grained fragments (coarse sand size)	220.8 - 227.7m Qtz-Py fills breccia
225	227.7m Fault clay	227.7 - 227.8m Py strong dissemination
	227.7 - 227.8m Dacite (?) intrusive	
230	227.8 - 232.0m Lapillistone. Abundant fragments filled with Py-Qtz	227.8 - 232.0m Py-Qtz fills breccia
	232.0 - 233.1m Dacite (?) intrusive (?)	232.0 - 233.1m Py dissemination weak to medium
235	233.1 - 235.7m Lapillistone. Abundant fragments filled with Py-Qtz	233.1 - 235.7m Py-Qtz fills breccia
	235.7 - 236.6m Dacitic tuff	235.7 - 236.6m Py dissemination strong
	236.6 - 240.8m Volcanic breccia, partly containing dacitic tuff big fragments	236.6 - 240.8m and 241.7 - 243.7m Qtz-Py fills breccia
240	240.8 - 241.7m Andesite, intrusive	
	241.7 - 243.7m Volcanic breccia, partly containing dacitic tuff big fragments	
245	243.7 - 249.2m Dacitic tuff (?) with pale blue glass patch, rarely arranged in bedding or shear plane.	243.7 - 249.2m Py dissemi medium
250		

	Lithology	Mineralization & Alteration
250	249.2 - 251.2m Lapillistone with pale blue glass fragments	249.2 - 251.2m Qtz-Py fills breccia
	251.2 - 252.8m Silicified Lapillistone cutted by siliceous vein	
255	252.8 - 256.6m Dacitic lapilli tuff, partly containing pale blue glass fragments, rarely this kind of glass fills fractures.	252.8 - 256.6m Qtz-Py fills breccia
		256.6 - 271.5m Very rarely Qtz-Py veinlets
260	256.6 - 271.5m Porphyritic andesite. Feldspar phenocrysts are 8mm in maximum size.	
265		
270		
275	271.5 - 279.7m Silicified andesite or porphyritic andesite	
280		279.7 - 286.4m Py dissemi weak
	279.7 - 286.9m Silicified massive rock, fractures filled with pale blue or ochre or dark green silicified glasses.	
285		
	286.9 - 289.7m Porphyritic andesite (289.7 - 290.2m Silicified breccia with pale blue silicified glass)	286.4 - 289.7m Rarely Py dissemi
290		
	290.2 - 296.6m Andesite, dark grayish green	
295		
	296.6 - 306.9m Silicified massive rock, partly fractures filled with Py-Qtz.	296.6 - 299.8m Py dissemi partly
300		

	Lithology	Mineralization & Alteration
300 305	<- 300.2m Thin section : T-31 Meta-rhyodacitic lithic tuff	299.8 - 306.9m Py-Qtz partly fills fractures, or Py-Qtz fragments occur
310 315 320	306.9 - 325.0m Silicified breccia. Fragments are mono-lithology and resemble to above massive rock. Commonly pale blue or ochre colored silicified glass fills fractures as vein-like.	306.9 - 325.0m Qtz-Py partly fills breccia. At massive parts Py dissemi weak
325 330	325.0 - 335.5m Conglomerate-like volcanic breccia. Matrix almost quartz, cutted and filled by pale blue or ochre glass (silicified)	332.1 - 335.6m Py dissemi strong
335	335.5 - 337.0m Andesite, intrusive	
340 345	337.0 - 345.5m Conglomerate-like volcanic breccia with pale blue glass, filled with Qtz-Py. Partly green-colored glass with Py dissemination fills fractures. 341.6 - 341.7m Andesite intrusive.	337.0 - 341.6m ,341.7 - 346.5m and 351.1 - 351.4m Qtz-Py fills breccia
345	345.5 - 348.6m Andesite, intrusive	
350	348.6 - 351.4m Conglomerate-like volcanic breccia with pale blue glass, filled with Qtz-Py. (350.8 - 351.1m Andesite intrusive)	

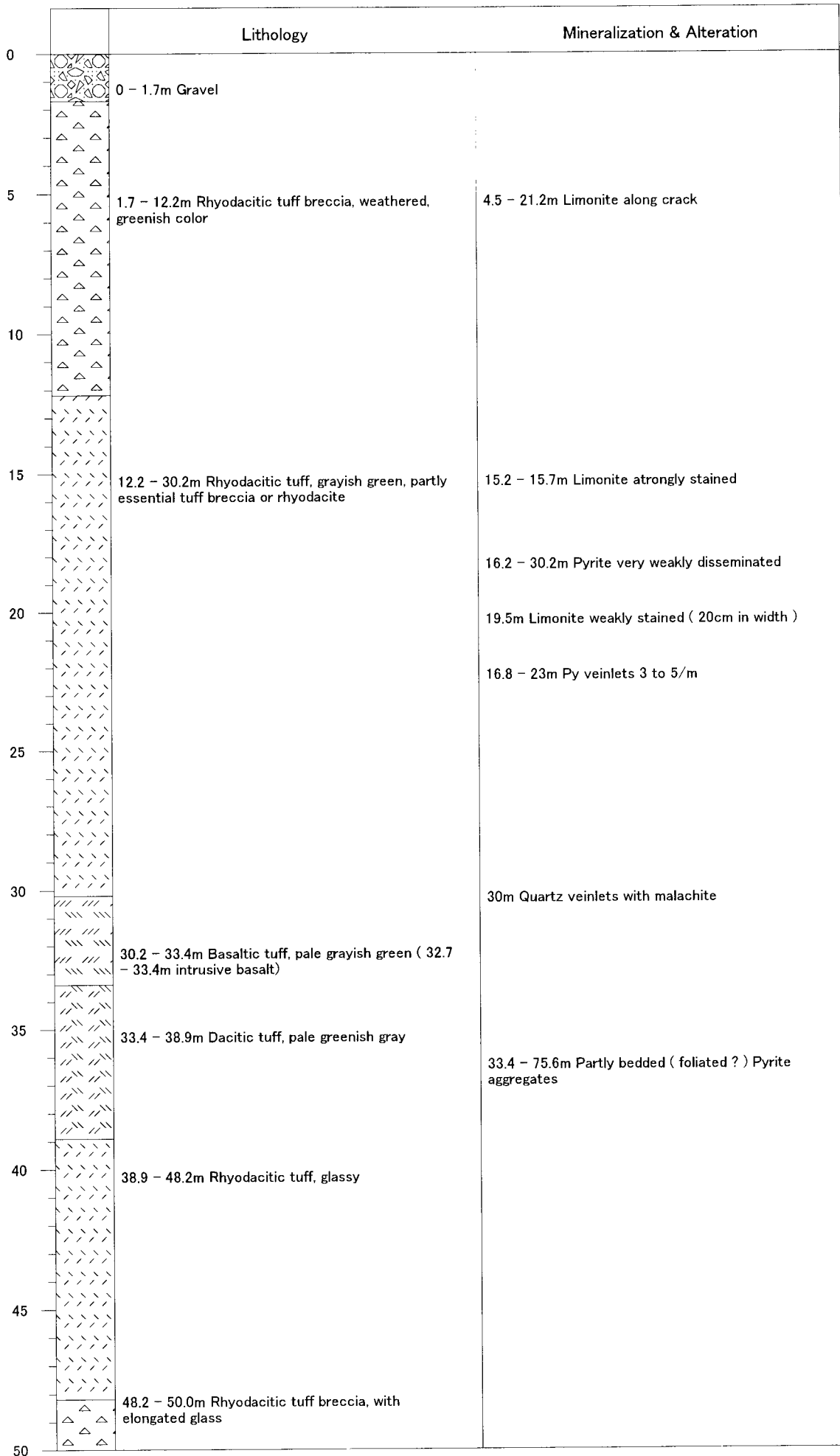
Drill Hole No. : MJSU-15 Date Started Oct. 11, 2000 Date Completed : Nov. 8, 2000

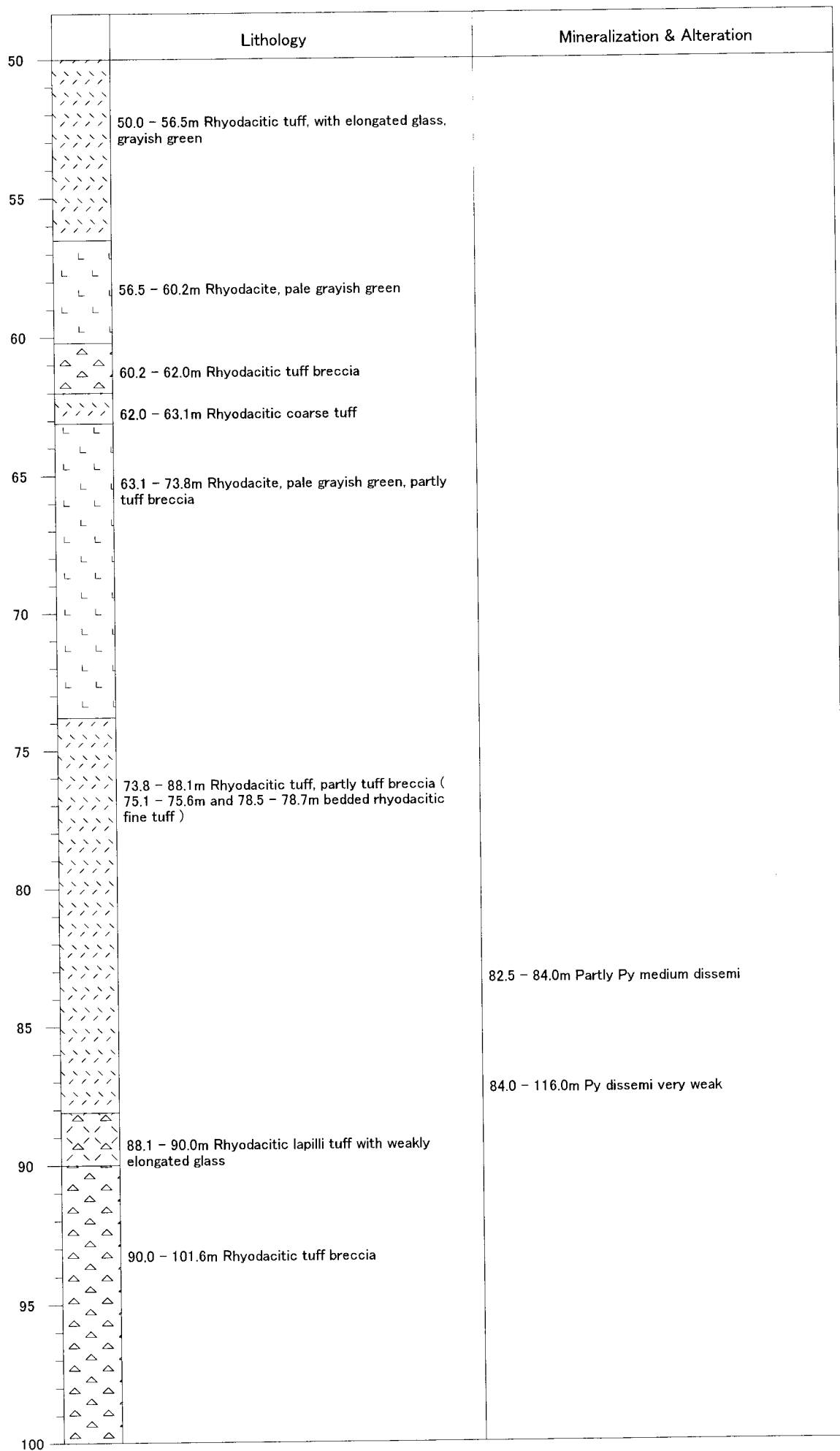
Easting : E 707.367 Northing : N 2,620.625 Elevation (mSL) : 944

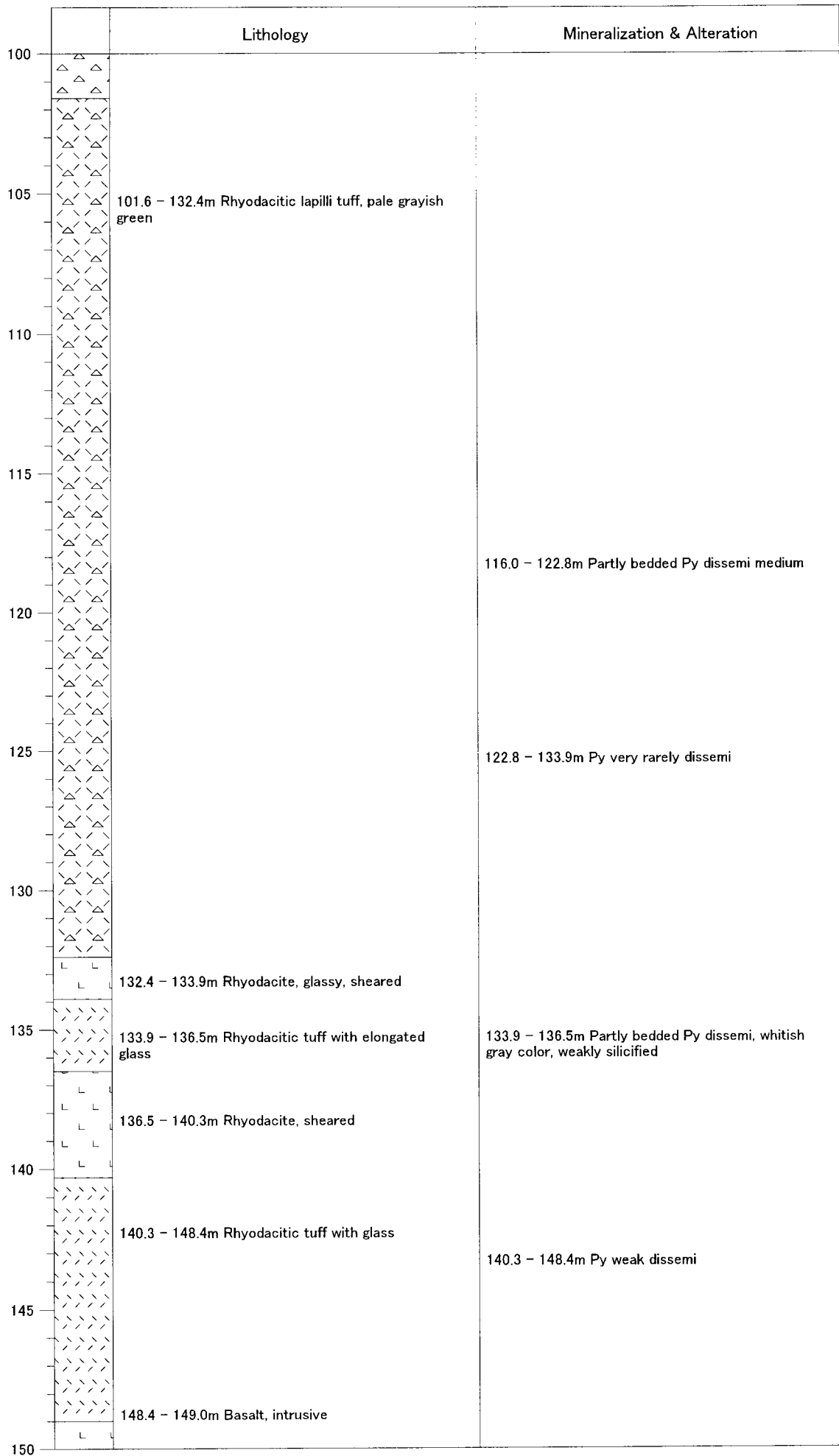
Azimuth : 335 Inclination : -70

Drilled by SGS/BRGM

	Lithology	Mineralization & Alteration
350	<p>350.8 - 351.1m Andesite to porphyritic andesite</p> <p>351.1 - 351.4m Mono-lithologic breccia, filled with Qtz(-Py)</p> <p>351.4 - 355.2m Andesite intrusive</p>	
355	<p>355.2 - 365.1m Porphyritic andesite</p>	
360		
365	<p>365.1 - 367.05m Strongly silicified rock, partly breccia, cutted by green or ochre silicified glass</p> <p>367.05 - 372.1m Siliceous sandstone or tuff, cutted or filled by ochre quartz, partly brecciated</p> <p>372.1 - 373.5m Andesite</p> <p>373.5 - 375.65m Brecciated tuff or silicified rock, filled with ochre quartz, again fractured and filled with green or ochre quartz</p>	<p>365.1 - 365.6m A few Py veinlets</p> <p>365.6 - 366.55m Py fills spottedly some fractures</p> <p>367.15 - 372.1m Partly Py filling fractures or occurring spottedly, almost barren for sulfide</p> <p>373.5 - 375.65m Py fills fractures with green or ochre quartz</p>
370		
375		







	Lithology	Mineralization & Alteration
150	-149.0 - 154.0m Rhyodacite, weak silicified	148.4 - 154.0m Py dissemi weak to medium, partly Py-Qtz veinlets bands
155	154.0 - 162.1m Dacite with quartz phenocrysts, weak silicified (intrusive?)	154.0 - 162.1m Py weak dissemi
160	162.1 - 165.6m Rhyodacite	
165	165.6 - 167.3m Rhyodacitic essential lapilli tuff	
	167.3 - 167.5m Rhyodacitic accidental lapilli tuff with basaltic tuff fragments	
170	167.5 - 170.5m Rhyodacitic tuff to essential lapilli tuff	
	170.5 - 173.1m Rhyodacitic tuff with elongated glass, rarely lapilli size fragments	
	173.1 - 173.5m Basalt intrusive	
175	173.5 - 180.3m Rhyodacitic tuff with elongated glass, rarely lapilli size fragments	
180	180.3 - 210.0m Rhyodacitic tuff with big elongated glass, partly containing breccia-sized fragments, rarely intercalated by thin fine tuff	180.3 - 210.0m Py dissemi very weak
185		
190		
195		193.8 - 194.3m Py medium to strong dissemi in grayish color part
200		198.2 - 199.2m Py strong dissemi in grayish white color part

Drill Hole No. : MJSU-16 Date Started Oct. 24, 2000 Date Completed : Oct. 31, 2000

Easting : E 708.566 Northing : N 2,617.598 Elevation (mSL) : 960

Azimuth : 245 Inclination : -55

Drilled by SGS/BRGM

	Lithology	Mineralization & Alteration
200		
205		
210		

Appendix 28 Borehole Deviations of MJSU-9 to MJSU-16

Drill Hole No.	Depth (m)	Direction (degree)	Inclination (degree)
MJSU-9	0.0	155	-55
	100.0	157	-53
	200.0	161	-51
	379.5	163	-48
MJSU-10	0.0	300	-55
	100.0	300	-55
	200.0	300	-51
	300.0	300	-51
	350.0	300	-50
MJSU-11	0.0	150	-55
	100.0	154	-54
	250.0	158	-54
MJSU-12	0.0	270	-55
	100.0	278	-54
	200.0	278	-51
	250.0	279	-50
MJSU-13	0.0	330	55
	100.0	336	54
	249.5	337	53
MJSU-14	0.0	245	-55
	100.0	244	-54
	200.0	245	-52
	274.0	248	-50
MJSU-15	0.0	335	-70
	100.0	340	-68
	200.0	337	-67
	375.0	348	-64
MJSU-16	0.0	245	55
	100.0	250	53
	209.5	250	50

Appendix 29 Results of Ore Assay(1)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-9	2.70	4.20	1.50	<0.05	<1.0	192	77	13	<0.05
	5.70	7.20	1.50	<0.05	<1.0	113	14	11	<0.05
	8.70	10.20	1.50	<0.05	<1.0	100	66	17	0.25
	11.70	13.20	1.50	<0.05	<1.0	104	44	16	0.44
	14.70	16.20	1.50	<0.05	<1.0	34	12	7	<0.05
	17.70	19.20	1.50	<0.05	1.0	86	8	20	<0.05
	20.70	22.20	1.50	<0.05	5.5	140	23	67	<0.05
	23.70	25.20	1.50	<0.05	3.0	283	23	25	<0.05
	26.70	28.20	1.50	<0.05	1.7	132	60	18	<0.05
	29.70	31.20	1.50	<0.05	<1.0	92	12	11	<0.05
	32.40	33.90	1.50	0.07	1.4	114	7	27	0.90
	33.90	35.40	1.50	0.06	1.6	73	7	21	0.36
	35.40	36.90	1.50	<0.05	1.4	156	8	22	1.05
	36.90	38.40	1.50	<0.05	1.6	39	7	15	0.44
	38.40	39.90	1.50	<0.05	1.6	19	6	20	0.93
	39.90	41.50	1.60	<0.05	1.7	33	14	21	1.08
	41.50	43.00	1.50	<0.05	1.8	645	10	17	5.11
	43.00	44.50	1.50	<0.05	1.7	76	8	30	2.08
	44.50	46.00	1.50	<0.05	1.7	328	15	29	4.86
	46.00	47.50	1.50	<0.05	1.1	249	20	32	2.93
	47.50	49.00	1.50	<0.05	2.3	1,205	1,050	43	3.17
	49.00	50.50	1.50	<0.05	<1.0	83	44	8	2.94
	50.50	52.00	1.50	<0.05	<1.0	83	44	6	2.73
	52.00	53.50	1.50	<0.05	2.3	394	5,505	24	4.38
	53.50	55.00	1.50	<0.05	<1.0	153	64	12	3.26
	55.00	56.50	1.50	<0.05	<1.0	166	44	11	3.62
	56.50	58.00	1.50	<0.05	<1.0	393	60	16	5.22
	58.00	59.50	1.50	<0.05	<1.0	201	55	16	5.16
	59.50	61.00	1.50	<0.05	<1.0	317	83	13	4.75
	61.00	62.50	1.50	<0.05	1.2	459	42	15	5.26
	62.50	64.00	1.50	<0.05	1.0	194	44	16	4.65
	64.00	65.50	1.50	<0.05	<1.0	214	44	20	5.00
	65.50	67.00	1.50	<0.05	1.0	168	114	13	4.59
	67.00	68.50	1.50	<0.05	<1.0	124	72	12	3.76
	68.50	70.00	1.50	<0.05	<1.0	179	26	14	4.65
	70.00	71.50	1.50	0.06	1.0	456	149	14	3.90
	71.50	73.00	1.50	0.06	1.5	321	29	16	5.83
	73.00	74.50	1.50	0.08	<1.0	259	67	9	3.09
	74.50	76.00	1.50	0.06	1.0	249	29	12	3.53
	76.00	77.50	1.50	0.09	1.0	241	14	13	6.30
	77.50	79.00	1.50	0.07	<1.0	185	36	12	3.86
	79.00	80.50	1.50	0.05	<1.0	199	20	18	6.30
	80.50	82.00	1.50	0.05	1.0	189	26	13	5.38
	82.00	83.50	1.50	<0.05	<1.0	154	15	13	4.91
	83.50	85.00	1.50	<0.05	<1.0	109	22	9	3.55
	85.00	86.50	1.50	<0.05	<1.0	139	12	9	2.85
	86.50	88.00	1.50	<0.05	<1.0	114	14	10	4.28
	88.00	89.50	1.50	<0.05	<1.0	65	14	10	5.02
	89.50	91.00	1.50	0.06	<1.0	66	10	11	5.00
	91.00	92.50	1.50	<0.05	<1.0	62	9	9	4.13
	92.50	94.00	1.50	<0.05	<1.0	64	17	7	2.36
	94.00	95.50	1.50	<0.05	<1.0	72	17	10	2.68
	95.50	97.00	1.50	<0.05	<1.0	51	52	7	0.34
	97.00	98.50	1.50	<0.05	<1.0	55	158	10	1.14
	98.50	100.00	1.50	<0.05	<1.0	53	28	10	2.79
	100.00	101.50	1.50	<0.05	<1.0	62	28	10	4.49
	101.50	103.00	1.50	<0.05	<1.0	52	14	10	2.66
	103.00	103.70	0.70	<0.05	<1.0	72	21	13	4.60
	107.80	109.30	1.50	0.05	1.2	116	61	17	3.69
	109.30	109.90	0.60	<0.05	1.1	128	18	14	1.46
	109.90	111.00	1.10	<0.05	1.2	97	68	13	3.12
	127.40	128.90	1.50	<0.05	<1.0	115	36	7	1.96
	128.90	130.40	1.50	<0.05	<1.0	124	70	8	2.29

70

Appendix 29 Results of Ore Assay(2)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-9	130.40	131.30	0.90	<0.05	<1.0	91	49	7	3.04
	133.00	134.50	1.50	<0.05	1.1	73	43	12	5.23
	134.50	136.00	1.50	<0.05	1.6	76	26	10	5.35
	136.00	137.50	1.50	<0.05	1.0	193	44	9	4.44
	137.50	139.00	1.50	<0.05	1.6	233	69	27	7.27
	139.00	140.50	1.50	<0.05	1.3	232	45	16	7.36
	140.50	142.00	1.50	<0.05	<1.0	96	64	9	5.28
	142.00	143.50	1.50	<0.05	<1.0	99	32	13	6.55
	143.50	145.00	1.50	<0.05	<1.0	89	43	17	4.37
	145.00	146.50	1.50	<0.05	1.1	195	90	32	4.51
	146.50	148.00	1.50	<0.05	<1.0	83	20	10	4.06
	148.00	148.70	0.70	<0.05	<1.0	71	44	13	4.17
	166.00	167.50	1.50	<0.05	<1.0	72	42	16	4.71
	167.50	169.00	1.50	<0.05	1.0	128	81	23	6.73
	169.00	170.50	1.50	<0.05	<1.0	79	80	29	4.14
	170.50	172.00	1.50	<0.05	<1.0	57	304	16	2.92
	172.00	173.50	1.50	<0.05	<1.0	92	285	28	5.00
	173.50	175.00	1.50	<0.05	<1.0	81	134	35	5.15
	175.00	176.50	1.50	<0.05	<1.0	68	252	84	4.55
	176.50	178.00	1.50	<0.05	<1.0	62	409	71	4.56
	178.00	179.50	1.50	<0.05	1.6	217	410	85	8.66
	179.50	181.00	1.50	<0.05	1.5	189	511	78	5.56
	181.00	182.50	1.50	<0.05	1.8	377	533	118	9.91
	182.50	184.00	1.50	<0.05	1.8	401	532	128	10.62
	184.00	185.50	1.50	<0.05	1.2	250	297	70	7.65
	185.50	187.00	1.50	<0.05	1.3	395	257	99	13.68
	187.00	188.50	1.50	<0.05	1.0	295	189	62	9.18
	188.50	190.00	1.50	<0.05	1.0	427	98	75	12.43
	190.00	191.50	1.50	<0.05	1.1	468	68	68	14.04
	191.50	193.00	1.50	<0.05	1.4	376	289	81	11.90
	193.00	194.50	1.50	<0.05	<1.0	297	187	58	8.55
	194.50	196.00	1.50	<0.05	1.6	246	125	67	7.70
	196.00	197.50	1.50	<0.05	2.4	479	291	101	8.67
	197.50	199.00	1.50	<0.05	3.9	591	492	115	11.54
	199.00	200.50	1.50	<0.05	4.0	644	390	107	13.96
	200.50	202.00	1.50	<0.05	3.4	648	150	92	12.78
	202.00	203.50	1.50	<0.05	1.5	206	247	54	6.82
	203.50	205.00	1.50	<0.05	<1.0	66	92	31	6.90
	205.00	206.50	1.50	<0.05	<1.0	78	274	35	5.42
	206.50	208.00	1.50	<0.05	<1.0	164	960	49	7.94
	208.00	209.50	1.50	<0.05	1.6	266	616	76	9.59
	209.50	211.00	1.50	<0.05	1.0	425	79	62	13.82
	211.00	212.50	1.50	<0.05	<1.0	459	37	53	13.15
	212.50	214.00	1.50	<0.05	<1.0	451	42	48	12.98
	214.00	215.50	1.50	<0.05	<1.0	410	39	49	13.07
	215.50	217.00	1.50	<0.05	1.4	400	151	56	11.89
	217.00	218.50	1.50	<0.05	1.5	260	333	45	8.07
	218.50	220.00	1.50	<0.05	1.3	176	582	45	5.72
	220.00	221.50	1.50	<0.05	1.3	185	448	36	6.29
	221.50	223.00	1.50	<0.05	2.2	283	353	86	10.29
	223.00	224.50	1.50	<0.05	1.3	219	592	61	11.52
	224.50	226.00	1.50	<0.05	1.3	218	589	59	7.84
	226.00	228.00	2.00	<0.05	1.0	188	145	38	6.07
	228.00	230.00	2.00	<0.05	<1.0	215	78	40	6.23
	230.00	232.00	2.00	<0.05	<1.0	194	145	40	5.58
	232.00	234.00	2.00	<0.05	1.0	243	173	41	2.96
	234.00	236.00	2.00	<0.05	<1.0	100	346	21	6.34
	236.00	238.00	2.00	<0.05	<1.0	131	159	21	5.58
	238.00	240.00	2.00	<0.05	<1.0	111	550	19	3.92
	240.00	242.00	2.00	<0.05	<1.0	107	474	21	5.62
	242.00	244.00	2.00	<0.05	<1.0	77	140	19	4.10
	244.00	246.00	2.00	<0.05	<1.0	90	174	17	3.55
	246.00	248.00	2.00	<0.05	<1.0	103	56	18	3.43

Appendix 29 Results of Ore Assay(3)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-9	248.00	250.00	2.00	<0.05	1.0	148	60	22	4.30
	250.00	252.00	2.00	<0.05	1.4	224	115	31	6.64
	252.00	254.00	2.00	<0.05	<1.0	149	129	20	4.19
	254.00	256.00	2.00	0.06	<1.0	266	136	41	8.71
	256.00	258.00	2.00	0.06	2.0	212	218	39	11.94
	258.00	260.00	2.00	<0.05	2.2	266	197	53	11.69
	260.00	262.00	2.00	<0.05	1.4	338	276	52	12.00
	262.00	264.00	2.00	<0.05	1.5	302	138	48	9.94
	264.00	266.00	2.00	<0.05	2.1	330	343	56	11.07
	266.00	268.00	2.00	<0.05	2.1	305	212	45	8.50
	268.00	270.00	2.00	<0.05	1.9	143	248	38	6.71
	270.00	272.00	2.00	<0.05	2.2	175	278	107	6.07
	272.00	274.00	2.00	0.05	1.9	184	210	47	9.21
	274.00	276.00	2.00	<0.05	1.9	270	183	80	9.13
	276.00	278.00	2.00	<0.05	1.3	114	209	38	3.81
	278.00	280.00	2.00	<0.05	3.3	119	306	119	8.00
	280.00	282.00	2.00	<0.05	3.6	127	432	304	7.35
	282.00	284.00	2.00	<0.05	3.3	149	608	137	5.74
	284.00	286.00	2.00	<0.05	2.1	120	430	110	6.24
	286.00	288.00	2.00	<0.05	2.5	172	542	181	7.22
	288.00	290.00	2.00	<0.05	1.2	158	319	86	3.93
	290.00	292.00	2.00	<0.05	4.7	301	843	626	7.71
	292.00	294.00	2.00	<0.05	2.9	206	608	63	8.34
	294.00	296.00	2.00	<0.05	2.6	215	360	56	9.36
	296.00	297.55	1.55	<0.05	3.8	281	245	54	8.24
	297.55	299.55	2.00	<0.05	2.3	252	113	46	7.56
	299.55	301.55	2.00	<0.05	2.0	342	189	51	9.26
	301.55	303.55	2.00	<0.05	2.9	286	593	42	8.29
	303.55	305.55	2.00	<0.05	2.3	305	269	45	7.94
	305.55	307.55	2.00	0.25	3.8	300	315	46	9.79
	307.55	310.00	2.45	<0.05	2.3	179	184	40	9.10
	310.00	312.00	2.00	<0.05	1.8	144	163	27	8.42
	312.00	314.00	2.00	0.08	5.8	797	451	70	13.44
	314.00	315.70	1.70	0.05	14.5	3,260	582	148	16.93
	315.70	317.70	2.00	0.06	10.1	329	835	82	14.52
	317.70	318.50	0.80	<0.05	9.2	150	1,590	77	26.72
	321.60	323.60	2.00	0.07	8.2	516	724	161	18.16
	323.60	324.90	1.30	0.10	8.2	660	676	108	13.77
	326.90	328.10	1.20	0.22	10.6	347	471	106	16.00
	334.60	336.70	2.10	0.09	4.0	389	690	69	8.48
	336.70	337.40	0.70	<0.05	52.1	295	774	98	28.19
	337.50	339.90	2.40	0.06	42.5	238	649	111	16.02
	339.90	341.25	1.35	0.17	22.5	505	1,700	175	13.55
341.25	343.40	2.15	0.33	86.6	885	4,540	490	23.67	
343.40	343.90	0.50	<0.05	17.5	192	1,280	166	7.70	
343.90	345.00	1.10	0.47	32.9	2,850	1,090	540	9.59	
345.00	347.30	2.30	0.23	34.1	1,630	1,120	218	16.73	
347.30	349.00	1.70	0.33	31.6	574	1,760	386	18.33	
349.50	350.30	0.80	0.07	16.0	354	1,480	125	14.08	
350.80	351.80	1.00	0.24	20.7	562	996	230	14.97	
351.80	352.55	0.75	<0.05	27.7	184	1,530	200	7.60	
352.55	353.40	0.85	0.25	19.6	746	2,200	450	10.02	
353.40	354.60	1.20	0.09	3.6	175	335	92	12.77	
354.60	355.10	0.50	0.12	5.8	239	309	106	14.88	
355.10	355.50	0.40	0.16	8.7	551	708	97	17.99	
355.50	356.90	1.40	0.12	7.5	397	216	95	13.53	
356.90	357.70	0.80	0.16	9.0	805	343	112	21.80	
357.70	359.70	2.00	0.08	3.8	211	437	50	12.33	
359.70	361.70	2.00	0.08	1.2	193	2,380	74	9.30	
361.70	363.70	2.00	0.15	2.9	93	2,910	144	9.73	
363.70	365.70	2.00	0.07	1.6	80	336	45	6.67	
MJSU-10	5.10	6.10	1.00	<0.05	<1.0	35	20	<5	2.27
	8.40	9.40	1.00	<0.05	<1.0	15	15	<5	<0.05

Appendix 29 Results of Ore Assay(4)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-10	9.40	9.80	0.40	<0.05	<1.0	50	50	<5	0.44
	9.80	10.80	1.00	<0.05	<1.0	30	50	<5	0.52
	12.80	13.80	1.00	<0.05	<1.0	30	60	<5	<0.05
	14.80	15.80	1.00	<0.05	<1.0	20	30	<5	0.36
	15.80	16.30	0.50	<0.05	<1.0	35	40	<5	0.52
	16.30	17.30	1.00	<0.05	<1.0	20	60	15	0.34
	18.70	19.70	1.00	<0.05	<1.0	15	40	60	0.54
	19.70	21.10	1.40	<0.05	<1.0	30	110	20	0.39
	21.10	22.10	1.00	<0.05	<1.0	25	140	<5	<0.05
	22.75	23.75	1.00	<0.05	<1.0	30	190	<5	<0.05
	23.75	23.85	0.10	<0.05	<1.0	50	620	20	0.28
	23.85	24.85	1.00	<0.05	<1.0	35	700	<5	<0.05
	67.50	69.50	2.00	<0.05	<1.0	700	300	<5	4.57
	69.50	71.50	2.00	<0.05	<1.0	470	1440	15	3.65
	71.50	73.50	2.00	<0.05	<1.0	175	370	<5	0.76
	73.50	75.50	2.00	<0.05	<1.0	360	440	<5	2.51
	75.50	77.50	2.00	<0.05	<1.0	170	820	<5	2.00
	77.50	79.50	2.00	<0.05	<1.0	65	490	<5	1.72
	79.50	81.50	2.00	0.12	<1.0	70	760	50	2.32
	81.50	82.50	1.00	<0.05	<1.0	65	1600	70	2.45
	83.60	85.10	1.50	<0.05	<1.0	225	4760	420	3.40
	136.60	137.60	1.00	<0.05	<1.0	45	140	<5	6.00
	137.60	138.60	1.00	<0.05	<1.0	20	80	<5	4.22
	138.60	139.60	1.00	<0.05	<1.0	15	40	<5	4.88
	139.60	140.60	1.00	<0.05	<1.0	25	60	<5	10.32
	140.60	141.60	1.00	<0.05	<1.0	10	60	<5	4.76
	141.60	142.60	1.00	<0.05	<1.0	20	70	<5	6.88
	142.60	143.60	1.00	<0.05	<1.0	25	70	<5	5.32
	143.60	144.60	1.00	<0.05	<1.0	15	70	<5	4.36
	144.60	145.60	1.00	<0.05	<1.0	15	60	<5	10.53
	145.60	146.60	1.00	<0.05	<1.0	15	60	<5	13.91
	146.60	147.60	1.00	<0.05	<1.0	10	40	<5	13.61
	147.60	148.60	1.00	<0.05	<1.0	10	40	<5	5.99
	148.60	149.60	1.00	<0.05	<1.0	10	40	<5	6.26
	149.60	150.60	1.00	<0.05	<1.0	15	40	<5	9.37
	150.60	151.60	1.00	<0.05	<1.0	25	20	<5	8.77
	151.60	152.60	1.00	<0.05	<1.0	45	15	<5	14.03
	152.60	153.60	1.00	<0.05	<1.0	20	15	<5	8.75
	153.60	154.60	1.00	<0.05	<1.0	75	60	<5	8.12
	154.60	155.60	1.00	<0.05	<1.0	75	300	<5	10.52
	155.60	156.60	1.00	<0.05	<1.0	35	30	<5	7.43
	156.60	157.60	1.00	<0.05	<1.0	25	20	<5	7.44
157.60	158.60	1.00	<0.05	<1.0	25	20	<5	13.20	
158.60	159.60	1.00	<0.05	<1.0	150	110	<5	18.88	
159.60	160.90	1.30	<0.05	<1.0	40	20	25	15.23	
160.90	161.90	1.00	<0.05	<1.0	35	10	15	16.20	
161.90	162.90	1.00	<0.05	<1.0	70	15	15	18.48	
162.90	164.50	1.60	<0.05	<1.0	26	420	<5	5.15	
164.50	165.40	0.90	<0.05	<1.0	25	15	<5	13.80	
200.00	201.00	1.00	<0.05	<1.0	35	50	<5	4.47	
201.00	202.00	1.00	<0.05	<1.0	65	30	<5	4.97	
202.00	202.70	0.70	<0.05	<1.0	95	20	<5	4.94	
MJSU-11	2.50	4.00	1.50	<0.05	<1.0	32	47	5	0.34
	5.50	7.00	1.50	<0.05	<1.0	26	40	3	0.36
	8.50	10.00	1.50	<0.05	<1.0	26	38	4	0.35
	11.50	13.00	1.50	<0.05	<1.0	6	26	4	0.22
	14.50	16.00	1.50	<0.05	<1.0	10	37	3	<0.05
	17.50	19.00	1.50	<0.05	<1.0	110	80	4	<0.05
	20.50	21.00	0.50	<0.05	<1.0	14	29	5	<0.05
	23.50	25.00	1.50	<0.05	<1.0	12	38	2	<0.05
	26.50	27.00	0.50	<0.05	<1.0	10	48	2	<0.05
	130.90	132.40	1.50	<0.05	<1.0	10	66	3	3.58
132.40	133.90	1.50	<0.05	<1.0	106	20	4	11.77	

Appendix 29 Results of Ore Assay(5)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-12	133.90	135.40	1.50	<0.05	<1.0	48	16	2	8.52
	135.40	136.90	1.50	<0.05	<1.0	172	17	2	10.75
	136.90	138.40	1.50	<0.05	<1.0	20	35	5	8.55
	138.40	140.00	1.60	<0.05	<1.0	14	54	4	8.63
	140.00	141.50	1.50	<0.05	<1.0	12	50	3	4.53
	150.90	152.40	1.50	<0.05	<1.0	6	31	3	2.77
	152.40	155.70	3.30	<0.05	<1.0	8	28	3	4.82
	155.70	157.20	1.50	<0.05	<1.0	6	25	2	5.86
	157.20	158.70	1.50	<0.05	<1.0	10	26	2	3.60
	158.70	160.20	1.50	<0.05	<1.0	8	26	2	2.54
	160.20	161.70	1.50	<0.05	<1.0	8	23	3	7.62
	161.70	162.40	0.70	<0.05	<1.0	8	19	3	8.40
	162.40	163.60	1.20	<0.05	<1.0	8	24	3	7.80
	163.60	165.80	2.20	<0.05	<1.0	10	21	2	10.30
	165.80	167.30	1.50	<0.05	<1.0	10	24	2	4.50
	167.30	168.80	1.50	<0.05	<1.0	10	30	2	5.73
	168.80	169.50	0.70	<0.05	<1.0	16	46	3	8.74
	169.50	171.00	1.50	<0.05	<1.0	12	45	3	9.06
	182.00	182.40	0.40	<0.05	<1.0	14	91	2	4.73
	131.10	133.10	2.00	<0.05	<1.0	394	72	12	4.65
	133.10	135.10	2.00	<0.05	<1.0	125	63	13	3.29
	135.10	137.10	2.00	<0.05	<1.0	38	29	6	2.37
	137.10	139.10	2.00	<0.05	<1.0	197	41	6	2.92
	139.10	140.10	1.00	<0.05	<1.0	139	47	6	1.53
	140.10	142.10	2.00	<0.05	<1.0	931	114	8	6.31
	142.10	143.10	1.00	<0.05	<1.0	1,280	119	8	5.20
	163.30	165.90	2.60	<0.05	<1.0	63	41	8	7.68
211.00	212.80	1.80	<0.05	<1.0	53	78	8	1.63	
227.75	227.95	0.20	<0.05	<1.0	223	39	18	28.34	
231.60	232.00	0.40	<0.05	<1.0	144	58	8	6.16	
MJSU-13	89.50	91.00	1.50	<0.05	<1.0	161	117	7	3.77
	91.00	92.50	1.50	<0.05	<1.0	23	93	8	10.10
	92.50	94.00	1.50	<0.05	<1.0	37	142	8	1.90
	94.00	95.50	1.50	<0.05	<1.0	15	81	6	3.72
	95.50	97.00	1.50	<0.05	<1.0	24	95	10	12.87
	97.00	98.10	1.10	<0.05	<1.0	88	163	6	4.88
	122.10	123.70	1.60	<0.05	<1.0	335	462	8	4.05
	129.00	130.90	1.90	<0.05	<1.0	1112	334	5	4.78
	132.40	133.90	1.50	<0.05	<1.0	906	291	7	3.12
	133.90	135.40	1.50	<0.05	<1.0	540	472	7	4.13
	135.40	137.20	1.80	<0.05	<1.0	1486	244	8	5.27
	142.20	143.70	1.50	<0.05	<1.0	883	199	9	4.36
	143.70	145.20	1.50	<0.05	<1.0	1345	192	6	2.44
	148.70	149.70	1.00	<0.05	<1.0	193	230	8	5.99
	153.70	155.10	1.40	<0.05	<1.0	174	211	9	6.97
	159.30	160.60	1.30	<0.05	<1.0	215	191	5	6.10
	184.60	186.40	1.80	<0.05	<1.0	305	399	7	4.74
186.40	188.40	2.00	<0.05	<1.0	139	659	10	2.70	
MJSU-14	69.00	69.50	0.50	<0.05	<1.0	<5	80	<5	0.87
	97.90	98.30	0.40	0.09	<1.0	<5	30	<5	1.88
	109.40	111.40	2.00	0.10	<1.0	<5	80	<5	0.47
	111.40	113.40	2.00	<0.05	<1.0	<5	110	<5	0.75
	113.40	115.40	2.00	<0.05	<1.0	50	100	<5	0.63
	115.40	117.40	2.00	0.69	<1.0	<5	90	<5	0.56
	117.40	119.40	2.00	0.49	<1.0	110	35	<5	0.97
	119.40	121.40	2.00	<0.05	<1.0	40	30	<5	0.61
	140.20	141.10	0.90	<0.05	<1.0	90	250	<5	8.09
	150.50	152.50	2.00	<0.05	<1.0	50	300	<5	2.12
	152.50	154.50	2.00	<0.05	<1.0	160	190	<5	3.41
	165.70	166.30	0.60	<0.05	<1.0	<5	135	<5	3.95
	166.30	167.30	1.00	<0.05	<1.0	20	250	<5	2.22
167.30	168.30	1.00	0.08	<1.0	530	250	<5	1.83	
170.80	171.70	0.90	<0.05	<1.0	40	300	<5	2.89	

Appendix 29 Results of Ore Assay(6)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-14	171.70	172.30	0.60	<0.05	4.0	40	250	<5	6.66
	194.70	195.70	1.00	<0.05	<1.0	40	350	<5	2.27
	195.70	196.30	0.60	0.08	5.0	5,300	410	<5	3.44
	196.30	197.30	1.00	<0.05	2.0	2,770	335	<5	3.43
	197.30	198.90	1.60	<0.05	<1.0	480	370	<5	1.43
	198.90	199.20	0.30	<0.05	3.5	300	465	<5	1.43
	201.90	202.90	1.00	<0.05	<1.0	260	3,600	<5	2.36
	202.90	203.20	0.30	<0.05	1.5	120	250	<5	17.60
	203.20	204.10	0.90	<0.05	2.5	500	1,300	<5	1.66
	204.10	204.45	0.35	0.19	12.5	31,000	750	<5	20.30
	204.45	205.45	1.00	<0.05	<1.0	80	75	<5	0.36
	219.15	219.80	0.65	0.16	3.0	2,130	475	<5	5.12
	219.80	220.10	0.30	0.27	7.5	890	500	<5	26.60
	220.10	220.20	0.10	<0.05	<1.0	340	205	<5	1.20
	220.20	220.90	0.70	0.24	34.0	11,300	350,000	<5	25.90
	220.90	221.00	0.10	0.25	25.0	5,100	150,000	<5	10.48
	221.00	221.20	0.20	<0.05	<1.0	80	2,760	<5	1.19
	221.20	221.75	0.55	0.17	51.0	22,800	110,000	<5	30.00
	221.75	222.35	0.60	<0.05	1.5	760	3,000	<5	4.78
	222.35	223.35	1.00	<0.05	<1.0	100	165	<5	1.41
234.50	234.90	0.40	<0.05	<1.0	50	750	<5	0.48	
MJSU-15	43.60	45.40	1.80	<0.05	<1.0	172	425	33	0.46
	45.40	47.40	2.00	<0.05	1.9	378	459	57	9.35
	47.40	49.40	2.00	0.06	2.0	431	123	42	11.60
	49.40	51.40	2.00	<0.05	1.5	653	106	63	13.89
	51.40	53.40	2.00	<0.05	1.6	345	105	28	7.43
	53.40	55.40	2.00	<0.05	1.3	156	65	27	5.01
	55.40	57.40	2.00	<0.05	1.3	133	84	28	6.54
	57.40	59.40	2.00	<0.05	<1.0	102	75	24	4.42
	59.40	61.40	2.00	<0.05	1.4	130	113	29	4.52
	61.40	63.40	2.00	<0.05	1.4	116	184	32	5.87
	63.40	65.40	2.00	<0.05	1.1	82	272	22	4.74
	65.40	67.40	2.00	<0.05	1.4	88	329	27	7.07
	67.40	69.40	2.00	<0.05	1.8	72	120	32	5.71
	69.40	71.40	2.00	<0.05	2.4	75	168	39	6.84
	71.40	73.40	2.00	<0.05	1.6	118	71	33	6.48
	73.40	75.40	2.00	<0.05	1.0	94	84	27	6.65
	75.40	77.40	2.00	<0.05	<1.0	213	331	30	6.35
	77.40	79.40	2.00	<0.05	1.5	334	165	32	7.88
	79.40	81.40	2.00	<0.05	<1.0	86	167	24	4.46
	81.40	83.40	2.00	<0.05	1.7	98	181	29	5.67
	83.40	85.40	2.00	<0.05	1.6	117	147	33	6.10
	85.40	87.40	2.00	<0.05	1.1	102	146	28	5.74
	87.40	89.40	2.00	<0.05	1.3	74	90	28	4.74
	89.40	91.40	2.00	<0.05	1.8	134	130	55	6.21
	91.40	93.40	2.00	<0.05	1.3	98	110	26	5.79
	93.40	95.40	2.00	<0.05	1.2	165	146	27	5.02
	95.40	97.40	2.00	<0.05	1.3	162	155	25	4.42
	97.40	99.40	2.00	<0.05	1.2	128	66	30	4.94
	99.40	101.40	2.00	<0.05	1.0	137	106	27	4.63
	101.40	103.40	2.00	<0.05	1.1	114	129	28	5.29
	103.40	105.40	2.00	<0.05	1.0	85	78	27	4.85
	105.40	107.40	2.00	<0.05	<1.0	66	52	26	5.13
	107.40	109.40	2.00	<0.05	<1.0	76	58	24	4.75
109.40	111.40	2.00	<0.05	<1.0	71	283	36	5.30	
111.40	113.40	2.00	<0.05	<1.0	74	163	30	4.69	
113.40	115.40	2.00	<0.05	1.4	68	186	67	4.50	
115.40	117.40	2.00	<0.05	1.3	65	635	54	5.04	
117.40	119.40	2.00	<0.05	1.3	85	113	40	6.30	
119.40	121.40	2.00	<0.05	1.5	128	347	39	6.49	
121.40	123.40	2.00	<0.05	1.4	259	84	58	12.24	
123.40	125.40	2.00	<0.05	2.4	544	68	69	15.83	
125.40	127.40	2.00	<0.05	2.6	612	97	77	17.18	

Appendix 29 Results of Ore Assay(7)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-15	127.40	129.40	2.00	<0.05	1.8	264	92	44	10.44
	129.40	131.40	2.00	<0.05	2.0	181	320	35	7.46
	131.40	133.40	2.00	<0.05	1.8	192	132	40	7.81
	133.40	135.40	2.00	0.08	2.8	141	205	53	9.21
	135.40	137.40	2.00	<0.05	1.8	210	143	57	9.00
	137.40	139.40	2.00	<0.05	2.2	291	292	82	10.22
	139.40	142.00	2.60	<0.05	1.3	146	319	50	8.21
	145.40	147.40	2.00	<0.05	1.4	217	212	55	5.78
	147.40	149.40	2.00	<0.05	1.4	128	1170	52	8.82
	149.40	151.40	2.00	<0.05	1.6	108	327	45	6.42
	151.40	153.40	2.00	<0.05	1.3	111	378	61	6.18
	153.40	155.40	2.00	<0.05	2.0	126	1300	105	9.17
	155.40	157.40	2.00	<0.05	1.5	98	409	30	5.97
	157.40	159.40	2.00	<0.05	1.0	144	407	53	6.79
	159.40	161.40	2.00	<0.05	1.3	80	253	35	6.22
	161.40	163.40	2.00	<0.05	2.3	75	511	40	5.21
	163.40	165.40	2.00	<0.05	1.4	106	484	57	7.83
	165.40	167.40	2.00	<0.05	2.1	144	319	70	8.45
	167.40	169.40	2.00	<0.05	1.5	177	199	43	5.17
	169.40	171.40	2.00	<0.05	1.1	139	199	32	5.18
	171.40	173.40	2.00	<0.05	1.7	261	203	42	7.94
	173.40	175.40	2.00	0.05	2.3	343	392	57	11.56
	175.40	177.40	2.00	0.08	2.3	312	353	45	12.06
	177.40	179.40	2.00	<0.05	1.9	302	238	31	7.11
	179.40	181.40	2.00	<0.05	1.5	210	317	33	5.20
	181.40	183.40	2.00	<0.05	1.2	83	239	40	6.92
	183.40	185.40	2.00	<0.05	1.3	71	419	41	8.04
	185.40	187.40	2.00	<0.05	2.0	98	418	51	9.47
	187.40	189.40	2.00	<0.05	1.1	107	237	32	6.41
	189.40	191.40	2.00	<0.05	2.5	84	592	37	3.74
	191.40	193.40	2.00	<0.05	1.2	61	69	21	3.18
	193.40	195.40	2.00	<0.05	1.2	63	58	19	3.34
	195.40	197.40	2.00	<0.05	1.3	82	140	25	4.08
	197.40	199.40	2.00	0.05	1.7	160	259	50	9.02
	199.40	201.40	2.00	<0.05	1.4	128	201	23	6.96
	201.40	203.40	2.00	<0.05	2.5	174	311	34	8.60
	203.40	205.40	2.00	<0.05	1.2	106	191	34	6.26
	205.40	207.40	2.00	0.06	1.3	124	393	34	5.98
	207.40	209.40	2.00	<0.05	1.6	94	254	35	5.24
	209.40	211.40	2.00	<0.05	1.5	81	251	48	5.21
	211.40	213.40	2.00	<0.05	1.4	68	102	17	2.61
	213.40	215.40	2.00	<0.05	1.4	79	159	39	5.71
	215.40	217.40	2.00	<0.05	2.0	111	253	48	7.18
	217.40	219.40	2.00	<0.05	1.2	68	417	31	3.64
	219.40	221.40	2.00	<0.05	1.4	78	172	33	4.81
	221.40	223.40	2.00	<0.05	1.0	61	48	22	2.65
	223.40	225.40	2.00	<0.05	1.7	70	437	28	5.93
	225.40	227.40	2.00	<0.05	1.5	79	466	29	5.48
	227.40	229.40	2.00	<0.05	2.8	110	273	35	5.54
	229.40	231.40	2.00	<0.05	3.1	176	216	39	6.11
	231.40	233.40	2.00	<0.05	1.2	100	209	20	2.31
	233.40	235.40	2.00	<0.05	1.9	330	92	43	7.53
	235.40	237.40	2.00	<0.05	1.6	230	125	37	4.97
	237.40	239.40	2.00	<0.05	2.1	113	115	22	4.18
	239.40	241.40	2.00	<0.05	<1.0	98	271	18	3.67
	241.40	243.40	2.00	<0.05	1.8	95	187	17	3.53
	243.40	245.40	2.00	<0.05	<1.0	47	49	8	2.70
	245.40	247.40	2.00	<0.05	<1.0	44	34	11	3.73
	247.40	249.40	2.00	<0.05	1.6	61	24	12	3.84
	249.40	251.40	2.00	<0.05	1.3	91	20	10	4.69
	251.40	253.40	2.00	<0.05	1.9	128	24	13	4.37
	253.40	255.40	2.00	<0.05	2.4	55	16	7	3.04
	255.40	256.60	1.20	<0.05	1.1	100	33	11	2.80

Appendix 29 Results of Ore Assay(8)

Drill Hole No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu ppm	Zn ppm	Pb ppm	S (%)
	from	to							
MJSU-15	303.65	305.65	2.00	<0.05	1.9	95	29	13	6.98
	305.65	307.65	2.00	<0.05	1.0	84	107	5	2.36
	307.65	309.65	2.00	<0.05	1.9	137	1220	17	7.28
	309.65	311.65	2.00	<0.05	1.1	182	572	10	3.07
	311.65	313.80	2.15	<0.05	<1.0	87	485	8	3.03
	332.10	334.10	2.00	<0.05	<1.0	82	133	15	3.23
	334.10	336.10	2.00	<0.05	<1.0	76	194	16	4.65
	336.10	338.10	2.00	<0.05	<1.0	106	105	16	2.58
	348.60	350.40	1.80	<0.05	<1.0	191	31	15	4.74
350.40	351.40	1.00	<0.05	<1.0	128	115	20	2.56	
MJSU-16	133.90	135.90	2.00	<0.05	<1.0	<0.01	<0.01	<0.01	0.91
	135.90	137.90	2.00	<0.05	<1.0	<0.01	0.01	<0.01	1.13
	193.80	194.30	0.50	<0.05	3.2	0.02	<0.01	<0.01	9.76
	198.20	199.20	1.00	<0.05	1.1	<0.01	<0.01	<0.01	8.87

Appendix 31 Results of Microscopic Observation of Polished Section

Sample No.	Drill Hole No.	Depth (m)	Mineralization type	py	cp	co	cc	te	sp	ga	pr	ma	ru
P-1	MJSU-14	203.1	sub-massive and foliated	◎	△		△		△	△	△	△	
P-2	MJSU-14	204.2	sub-massive	◎	○				△				
P-3	MJSU-14	219.9	sub-massive pyritic	◎	△				△				
P-4	MJSU-14	220.3	laminated massive sulfide	○	○	△		△	◎				
P-5	MJSU-14	220.8	laminated massive sulfide	○	○	△			◎				
P-6	MJSU-14	221.5	laminated massive sulfide	◎	○	△			◎				
P-7	MJSU-10	139.8	sub-massive and foliated	◎	△				△				
P-8	MJSU-10	159.5	weakly foliated massive sulfide	◎	△				△				△
P-9	MJSU-11	135.7	sub-massive	◎	△				△				
P-10	MJSU-11	153.4	sub-massive and strongly foliated	◎					△				
P-11	MJSU-9	66.6	disseminated & aggregations	◎	△				△				
P-12	MJSU-9	138.1	deformed & densely aggregated	◎	△				△				
P-13	MJSU-9	197.6	sub-massive	◎	△				△				△
P-14	MJSU-9	342.0	massive to submassive	◎	△				△				△
P-15	MJSU-9	344.0	submassive & foliated	◎	△				△				△
P-16	MJSU-9	348.0	massive	◎	△				△	△			
P-17	MJSU-9	357.1	massive, recrystallized & foliated	◎	△				△				
P-18	MJSU-12	164.7	fracture fillings	◎	△				△				△
P-19	MJSU-13	91.8	submassive and foliated	◎	△								△
P-20	MJSU-13	188.5	submassive & foliated	○	△								△

abbrev. cc:Chalcocite, co:Covellite, cp:chalcopyrite, ga:Galena, ma:Magnetite, pr:Pyrrhotite, py:Pyrite, ru:Rutile,
 sp:Sphalerite, te:Tetrahedrite-Tennentite
 ◎abundant, ○common, △small

Appendix 32 Results of X-ray Diffraction Analysis

Sample No.	Drill Hole	Depth (m)	qt	pl	kf	ch	se	mi	cl	py
X-01	MJSU-2	30.40	⊙	△		○	△			
X-02	MJSU-2	51.20	⊙	△		○	△	?	△	
X-03	MJSU-2	83.70	⊙	△		△	△			
X-04	MJSU-2	167.60	⊙	△		△	△			
X-05	MJSU-2	181.50	⊙	△		△	△			
X-06	MJSU-2	200.00	⊙	△		△	○			
X-07	MJSU-2	220.50	⊙	△		△	△			
X-08	MJSU-2	236.40	⊙	△		△	△		△	
X-09	MJSU-2	249.40	⊙	△		△	△			
X-10	MJSU-14	19.80	⊙	△		○	?	△		
X-11	MJSU-14	45.10	⊙	△		○	?	△		
X-12	MJSU-14	64.50	⊙	△		△	△	△	△	
X-13	MJSU-14	85.30	○	○		○	△		?	
X-14	MJSU-14	104.70	⊙	△		○	?	△	△	
X-15	MJSU-14	125.10	○	△		○	△	△	△	
X-16	MJSU-14	136.80	○	△		○	△	△~?	△	
X-17	MJSU-14	151.00				⊙	△		△	
X-18	MJSU-14	170.10	⊙	△		△	△	△	△	△
X-19	MJSU-14	193.10	○	△		○	△		?	?
X-20	MJSU-14	200.10	○~△	△		△			△	
X-21	MJSU-14	203.60	⊙			△	△			?
X-22	MJSU-14	207.00	⊙	△		△	△			
X-23	MJSU-14	210.20	⊙	△		△	△			
X-24	MJSU-14	212.00	⊙			△	△		△	△
X-25	MJSU-14	214.50	⊙	△		△	△			△
X-26	MJSU-14	219.50	⊙	△		△	△			
X-27	MJSU-14	221.10	⊙			○	△			
X-28	MJSU-14	222.10	⊙			⊙	△			
X-29	MJSU-14	230.20	⊙	△		△	△			
X-30	MJSU-14	240.10	⊙	△		△	○			
X-31	MJSU-14	260.10	⊙	△		△	△	?		
X-32	MJSU-14	274.00	⊙	○		△	○			
X-33	MJSU-10	36.00	⊙			△	△			
X-34	MJSU-10	55.00	⊙			△	△			
X-35	MJSU-10	74.00	⊙			△	△			△
X-36	MJSU-10	140.00	⊙			△	△	?		△
X-37	MJSU-10	159.00	○	?	△	△	△			△
X-38	MJSU-10	172.20	⊙			△	△			
X-39	MJSU-11	47.80	⊙	△		△	△			
X-40	MJSU-11	135.70	⊙			△	△			△
X-41	MJSU-11	233.00	⊙	△		△	△			
X-42	MJSU-9	50.90	⊙				△			△
X-43	MJSU-9	70.10	⊙							△
X-44	MJSU-9	85.00	⊙				△			△
X-45	MJSU-9	130.80	⊙			△	△			△
X-46	MJSU-9	174.60	⊙			△	△			△
X-47	MJSU-9	228.00	⊙				△			△
X-48	MJSU-9	295.00	⊙			△	△			△
X-49	MJSU-9	350.50				⊙				△
X-50	MJSU-9	358.20	○			△	△			△
X-51	MJSU-9	366.60	⊙			△	△			△
X-52	MJSU-12	107.60	△			⊙	○		△	△
X-53	MJSU-12	142.00	○	△		⊙	△		△	△
X-54	MJSU-12	164.70	○	○		○			△	△
X-55	MJSU-12	191.70	○	○		○			△	△
X-56	MJSU-13	82.20	⊙	△		△	△	△	△	△
X-57	MJSU-13	92.50	⊙	△		⊙	△		△	△
X-58	MJSU-13	117.80	⊙	△		△	△		△	
X-59	MJSU-13	185.20	○			⊙			△	△
X-60	MJSU-13	200.50	⊙			△	△	△	△	△

Abbrev. ab:Albite, al:Alunite, ch:Chlorite, cl:Calcite, cp:Chalcopyrite, ep:Epidote, kf:Potash feldspar, mi:Mineralsite, py:Pyrite, qt:Quartz, se:Sericitite
 ⊙:Abundant, ○:Common, △:Small amount, ?:Probable