2-6 Development Plan in the Bulutkan District

2-6-1 Basic concept for development

1) Locations

The Bulutkan district is located some six kilometers away from the Sautbay tungsten deposit and 23km from the Kokpatas gold mine. 30km to the west of the Bulutkan deposit, there is the Uchkuduk No.3 ore-dressing plant which is treating the Kokpatas ore. The Kokpatas mine and the No.3 plant are linked by rail.
(Fig.II-2-6-1)

2) Ore reserves to be mined

Based on the findings of surveys up to Phase III, it has been known that the gold deposit in the Bulutkan district extends over about 1,200m in strike, but the orebodies are scattered about and none of them is large in size. The Phase-III tentative calculation worked out at 275,000t of ore reserves, grading 13.1 g/t Au and 6.5 g/t Ag, of the nine ore blocks. All these ore blocks are located near the surface, allowing open-pit mining, but not in a large scale. In this mining plan, two orebodies are selected for open-pit mining, the ore reserves of which is 115,000t, grading 11.1 g/t Au, while the minable ore is 115,000t, grading 10 g/t Au as discussed later. While the ore grade is relatively high, the ore reserves are very small.

3) Development policy

Since the minable ore reserves are as small as 115,000t, it is difficult to develop the orebodies as an independent mine. Instead, it is planned to develop them as a sub-mine of the nearby Kokpatas gold mine currently operating at a rate of 10,000tpd of crude ore, and to send the ore to the Uchkuduk No.3 plant for beneficiation.

If 115,000t of ore is to be mined over several years, accumulated maintenance and administration costs put a strain on the project income; therefore, the mining operation shoud desirably be finished in a short period. Thus, it is planned to mine out the orebodies in one year, at the operation rate of 450tpd and 260 operating days per year as in the case of the Kokpatas mine. The ore is assumed to be hauled by 45-t trucks to the Kokpatas mine, from where to the Uchkuduk No.3 plant by the existing railroad, as in the case of the kokpatas ore.

4) Initial investment

(1) Infrastructure facilities, etc.

Planning is made on the assumptions that the Kokpatas mine serves as the base and the initial investment is to be minimized. A 23-km road is constructed for the ore haulage

to the Kokpatas mine

A temporary transmission line(10,000V, 600kW) only for the lighting and office use is extended from Sautbay. Potable water is conveyed by a tank truck.

	(10^3 sum/km)						(10^3 sum)
① Roads	12,600	x	0.7*	x	23km	=	202,860
② Temporary transmission line	1,500	x	0.7*	x	6km	=	6,300
③ Temporary office							4,840
④ Environmental preservation			([1]+[2]+[3])	x	0.15	=	32,100
Total - Infrastructure cost, etc.(10^3 sum)							246,100

Note: * 70% of normal cost.

(2) Mining machinery

In case the orebodies are developed in reality, the necessary mining machinery would be procured either by utilization of surplus mining machinery of the kokpatas mine, or by purchasing of new machinery, which, after completion of the mining operation, could be used at the Kokpatas mine. In the tentative calculation, however, 40% of purchase prices of the mining machinery is appropriated for the lease rentals, on an assumed depreciation period of 3 years.

	($10^3$$)				($10^3$$)
① Drilling machine					
(Tamrock DHA 1000S, drilling dia. 89-152mm)	500	x	1	=	500
② Loader(Caterpillar CAT990, bucket cap. 8.6m^3)	1,011	x	1	=	1,011
③ Truck(Ditto, but CAT 773B, loading cap. 45t)	654	x	3	=	1,962
④ Buldozer(Ditto, but CAT D7H, 230hp)	372	x	1	=	372
⑤ Grader	356	x	1	=	356
⑥ Tank truck	120	x	2	=	240
⑦ Pickup	30	x	6	=	180
Total - Mining machinery cost ($10^3$$)					4,621

4,621,000$ x 0.4 x 50 sum/$* = 92,420,000 sum

Note: Exchange rate 1$ = 50 sum

(3) Ore beneficiation equipment

As ore is assumed to be treated on a toll basis by the No.3 ore-dressing plant at Uchkuduk, no new investment is contemplated.

(4) Initial investment costs summary

	(10^3sum)	(sum/t)
① Infrastructure, etc.	246,100	(2,140)

② Mining machinery		92,420	(804)
Total - Initial investment costs		338,520	(2,944)

2-6-2 Minable crude ore and stripping ratio

1) Minable ore

The ore blocks 1(1), and portions of the blocks1(2) and 6 are selected for the mining operation. The mining recovery is assumed to be 90% while the dilution to be10%. The block 1(1) is to be mined at its entirety, while the 1(2) is mined up to 22m from its top. (Fig.II-2-6-2) On these assumptions, the ore reserves are calculated at 94,000t, grading 7.1 g/t Au.

- Minable crude ore: 94,000t x 0.9 / (1 - 0.1) = 94,000t
- Minable ore grade: 94,000t x 7.1 g/t x 0.9 / 94,000t = 6.4 g/t

The block 6 is to be mined up to 30m from the surface; the ore reserves come to 21,000t, grading 29.0 g/t Au.

- Minable crude ore: 21,000t x 0.9 / (1 - 0.1) = 21,000t
- Minable ore grade: 21,000t x 29.0 g/t x 0.9 / 21,000t = 26.1 g/t

The total minable crude ore adds up to 115,000t, grading 10.0 g/t.

2) Stripping volume

On the assumption that 45t dump trucks, 5.08m wide, are used, and that the bench width, the bench height and the angle of slope face are 7.5m, 10m and 70° , respectively, the pit slope comes to 42° . The ore deposit area of the bottom face, the thickness and the area of the top face(the surface) of the block 1(2) are 192m², 50m and 12,600m², respectively, while those of the block 6 are 246m², 30m and 8,816m², respectively.(Fig. II-2-6-1) The inner volumes of the pits are as follows:

- Block 1(1) and 1(2): { 192 + 12,600 + (192 x 12,600)1/2} / 3 x 50 = 239,123m³
- Block 6: { 246 + 8,186 + (246 x 8,186)1/2} / 3 x 30 = 98,511m³

Total volume 338,634m³

The total volume comes to approximately 338,000m³, of which some 40,000m³ represents the ore portion. Therefore,

- Stripping volume: 338,000m³ - 40,000m³ = 298,000m³
- Stripping ratio:s:

Block 1(1) and (2) : (239,123m³ - 94,000t / 2.9t/m³) / (94,000t / 2.9t/m³) = 6.4

Block 6 : (98,511m³ - 21,000t / 2.9t/m³) / (21,000t / 2.9t/m³)=12.6

Total stripping ratio : 298,000m³ / 40,000m³ = 7.5

2-6-3 Operating Costs

1) Mining costs

(1) Labor cost

The mining operation is assumed to be carried out for 260 days a year on a three-shift basis(eight hours per shift including one-hour rest), to mine out 115,000t of ore in a year. The production rate is 450tpd. The personnel arrangement is shown in Table II-2-6-1.

				(10^3 sum)
- Engineers :	9p x	10,000 sum/p/mo x 12 mos	=	1,080 ... a
- Operators :	51p x	8,000 sum/p/mo x 12 mos	=	4,896 ... b
- Fringe benefit:		(a + b) x 0.38	=	2,271
- Extra pay for mine labor :		(a + b) x 0.1	=	598
Total - Labor cost(10^3 sum)				8,845
			=	77 sum/t

(2) Explosives cost	50
(3) Rock tools cost	23
(4) Fuel and lubricant cost	244
(5) Tires cost	36
(6) Electric power cost	1
(7) Repair cost	172
(8) Ore haulage cost	51
(9) Administration cost (10% of the above total)	65
Total - Mining costs	719 sum/t

Note: For calculation of the items (2) thru (8), refer to Appendix 5.

Table II-2-6-1 Personnel Requirement

	1st shift	2nd shift	3rd shift	Total	Adjusted number
Manager	1			1	
Mining eng.	1			1	
Geologist	1			1	
Mechanic	1			1	
Foreman	1	1	1	3	
Staff	5	1	1	7(9)	7×1.24*=8.7
Driller	1	1	1	3	
Blaster	2			2	
Mucker	1	1	1	3	
Trucker	3	3	3	9	
Bulldozer	1	1	1	3	
Grader	1	1	1	3	
Repair man	2	2	2	6	
Driver	2	2	2	6	Fuel 1,Water 1
Guard	1	1	1	3	
Clerk	3			3	Nurse 1
Worker	17	12	12	41(51)	41×1.24*=50.9
Total	22	13	13	48(60)	

*1.24,Coefficient:Days operated 260,Vacation 50,Actual working days 210
260÷210=1.24

2) Toll-processing costs

(1) Labor cost	50 sum/t
(2) Materials cost	435
(3) Electric power cost	90
(4) Repair cost	190
(5) Administration cost(10% of the above total)	77
Total - Toll-processing cost	842 sum/t

2-6-4 Conclusive summary and consideration

1) Revenues

(1) Assumptions for calculation

Calculation is made on the assumptions of the minable ore grade at 10.0 g/t Au, the gold price at 360$/tr-oz, and the total recovery of ore beneficiation at 80%*. Revenues from by-produced silver are not considered.

Note: * While the ore beneficiation process and recovery of the No.3 Plant are unknown, rates of recovery in general are as follows:

Flotation: flotation recovery 95% x cyanidation recovery for concentrate 85% = 81%

Gravity separation: Concentrate 10% + tailing 90% x cyanidation recovery for tailing

85% = 87%

In this calculation, the recovery in the sales terms is assumed to be 99% and the flotation recovery is applied; therefore, the total recovery is: 81% x 99% = 80%

(2) Revenues per ton:

10.0 g/t x 0.8 x 360$/tr-oz / 31.1g/tr-oz x 50 sum/$= 4,630 sum/t

2) Expenditures

(1) Assumptions for calculation

The initial investment is devided by the minable crude ore, to obtain the investment amount per ton. Depreciation is not considered. No interest on borrowings of development and operation funds is considered, nor reserves for mine closure.

(2) Expenditures per ton of crude ore

	(sum/t)
- Initial investment costs	
Infrastructure, etc.	2,140
Mining machinery	804
- Mining	719
- Toll-ore processing	842
Total costs (sum/t)	4,505

3) Operating income (sum/t)

- Revenues per ton of crude ore	4,630
- Less: Expenditures	-4,505
Operating income (sum/t)	125

- Total operating income: 125 sum/t x115,000t =14,375,000 sum

4) Feasibility for development

The overall ore reserves of the Bulutkan district is 275,000t, grading 13.1 g/t, which is insufficient for the mine to be developed in a large scale. However, if only the near-surface and wide orebodies(the block 1(1), and parts of the blocks 1(2) and 6) are selected so that 115,000t of minable crude ore, grading 10.0 g/t Au is mined, it would generate the operating income of 125 sum per ton of crude ore, or nearly 15,000,000 sum in total.

Likewise, certain feasibility is conceivable for partial development of the other orebodies scattered around in the district. However, it is not realistic to newly organize an

independent mine to be mined out in a year. In order for such orebodies to be actually developed, they should be placed under control and administration of the Kokpatas gold mine as its subsidiary mine.

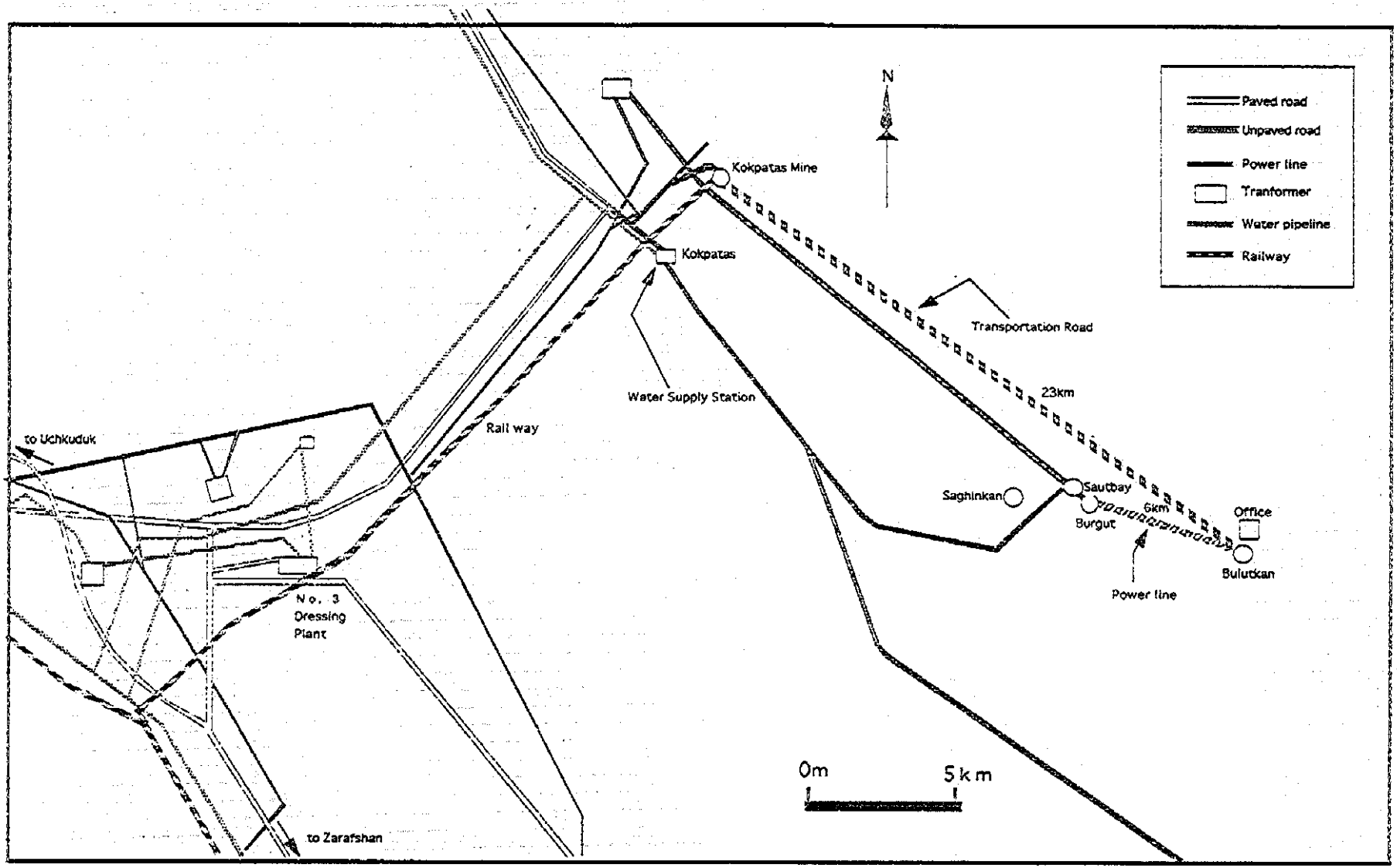
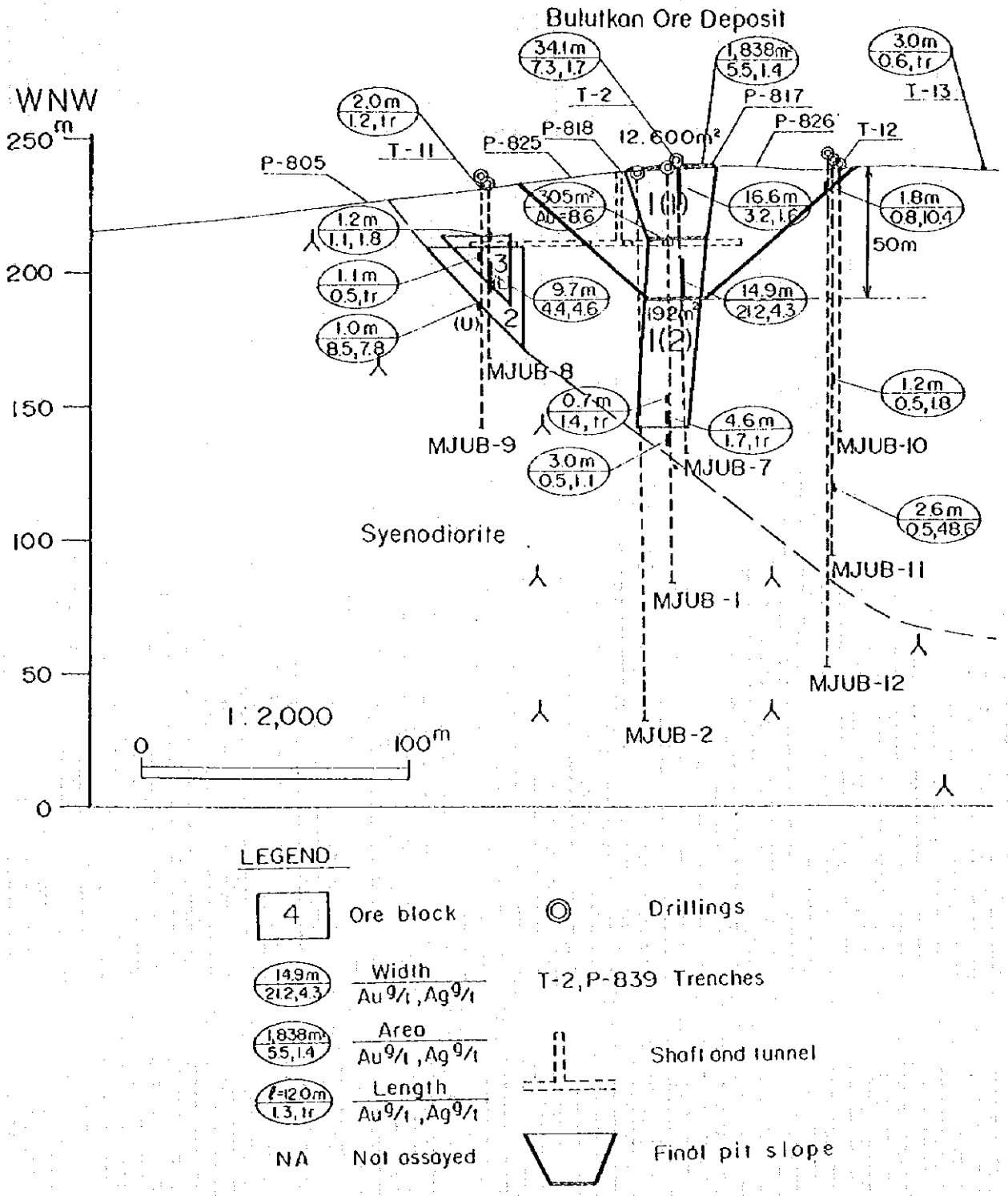


Fig. II-2-6-1 Location Map of Infrastructure in Bulutkan District



LEGEND

4	Ore block	◎	Drillings
14.9m / 21.2, 4.3	Width / Au g/t, Ag g/t		T-2, P-839 Trenches
1,838m² / 5.5, 1.4	Area / Au g/t, Ag g/t		Shaft and tunnel
ℓ=12.0m / 1.3, tr	Length / Au g/t, Ag g/t		
NA	Not assayed		Final pit slope

Fig. II-2-6-2(1) Final Pit Slope (Ore Block 1)

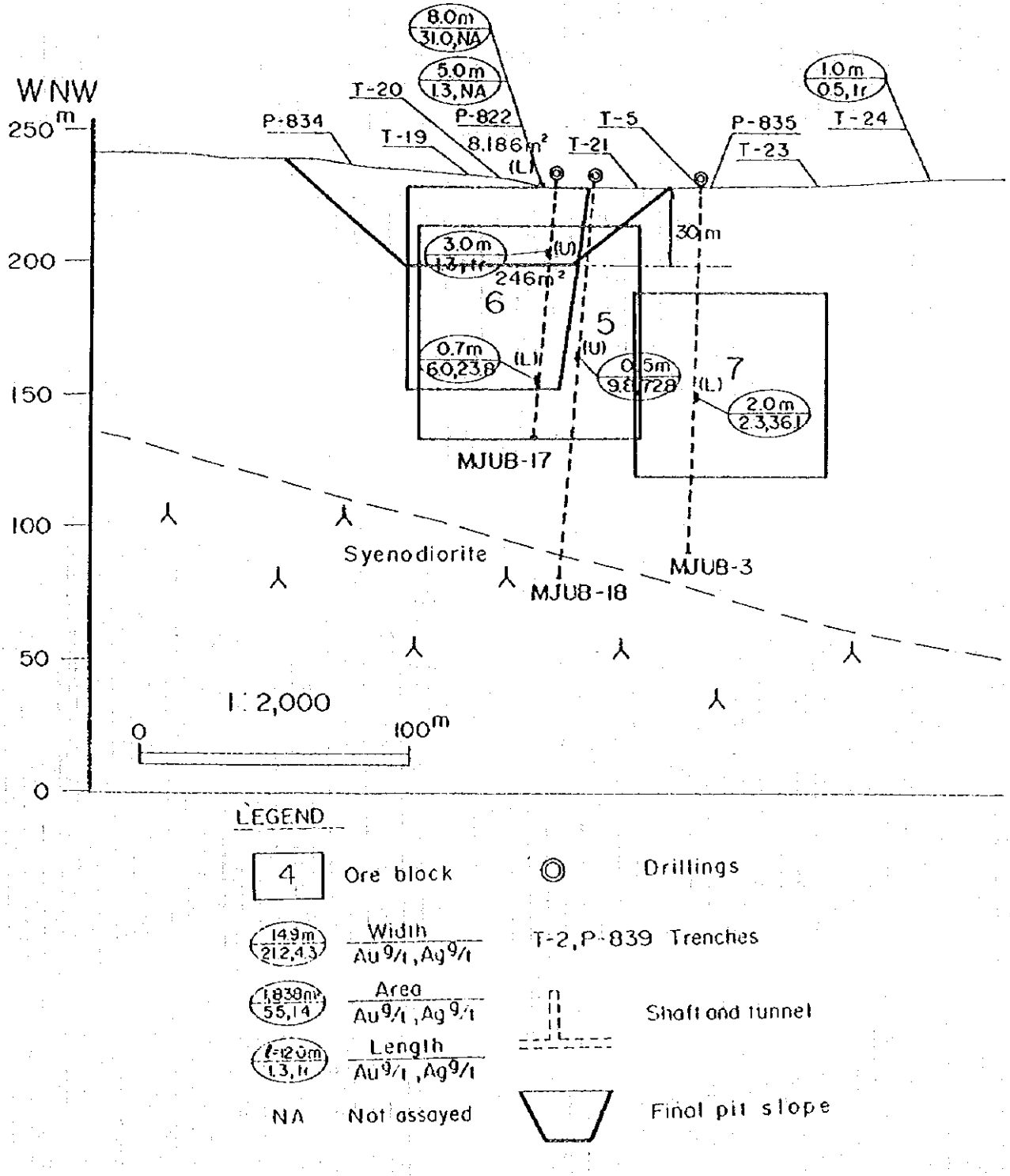


Fig. II-2-6-2(2) Final Pit Slope (Ore Block 6)

PART III CONCLUSIONS AND RECOMMENDATIONS

Chapter 1 Conclusions

1-1 Sautbay District

(1) Geology and ore deposits

The Karashakh Formation and the Kokpatas Formation, both pertaining to the Proterozoic, occur in the Sautbay district. The Karashakh Formation is composed of green rocks and schists of volcanic origin accompanied by quartzite, dolomite and limestone. Its thickness exceeds 1,000m. Stocks and dikes of the Late Carboniferous ~ Early Permian granodiorite, aplite, diorite, lamprophyre, etc. intrude into the Proterozoic.

The major type of the ore deposit is the tungsten-bearing skarn deposit controlled by granodiorite, as represented by the Sautbay deposit which is the main ore deposit in the district, as well as the nearby Burgut and Saghinkan deposits.

The horizon including carbonate rocks which controls occurrence of ore corresponds mainly to the upper part of the Karashakh Formation and the lower part of the Kokpatas Formation. The thickness of mineralization reaches about 500m on a vertical section.

(2) Results of ore reserves estimation

Ore reserves of the Sautbay, Burgut and Saghinkan deposits were estimated on the basis of the data recollected during Phases II and III, for revaluation of these ore deposits.

The Phase III estimation of ore reserves of Sautbay and Burgut deposits worked out at approx. 15,195,000t, grading 0.29% WO_3 and 0.23 g/t Au, at a cutoff grade of 0.05% WO_3, making considerable differences in ore reserves and grade, as compared to the Uzbek estimation(1993) of 39,539,000t, 0.43% WO_3 and 0.34 g/t Au. The discrepancy in ore reserves is attributable to the difference in the area of calculation. Discrepancy is very little in the densely drilled upper portion, in contrast to the sparsely drilled lower portion where wide discrepancy has taken place. The discrepancy in the average grade is explicable by the fact that, in the Uzbek calculation of the inferred ore reserves(P1), the highest grade of drillholes intersecting an ore block was extracted and adopted as the grade of the ore block. Consequently, the overall average grade was uplifted.

The Saghinkan ore reserves at a cutoff grade of 0.05% came out at approx. 10,062,000t, grading 0.24% WO_3 and 0.02 g/t Au. In case of a cutoff grade at 0.1%, the figures are approx. 8,133,000t and 0.28% WO_3 showing declines in ore reserves and grade, as compared to the Uzbek estimation(1994) of 12,710,000t and 0.32% WO_3.

These differences are considered to be ascribable to the same causes as in the mentioned cases of the Sautbay and Burgut deposits.

The WO_3 grades of these ore deposits are substantially lower than those of skarn-type tungsten mines operating since 1980 in the Western countries including USA, Canada,

Australia and Korea, which are 0.5% and up in case of open-pit operation while 1.0% and up in case of underground operation.

(3) Study on development of the ore deposits

Feasibility for development of the Sautbay, Burgut and Saghinkan deposits was studied. Since separate development of these ore deposits is difficult due to the small minable crude ore reserves and low grades, the mining plan of more than one deposit, combined, was pursued. Operation is optimized by combining 700-tpd openpitting of the portions over +100m(above sea level) of the Sautbay deposit and 800-tpd underground mining of the Burgut deposit.

The feasibility study however revealed that even the optimized operation would leave accumulated deficits of 30 million sum(600,000$) as against the initial investment of about 2 billion sum(40 million$). The estimation was based on the assumptions that the entire investment is catered for by own funds while no escalation of labor and materials expenses nor costs for equipment replacement, mine closure and taxes are considered. Due to the lack of profitability even under such exceptionally favorbale conditions, development of the tungsten deposits in the Sautbay district is considered economically unfeasible, under the current levels of ore reserves, grade and WO_3 price.

1-2 Bulutkan District

(1) Geology and ore deposits

The Kokpatas Formation of the Proterozoic occurs in the district. The Formation is composed of slate and sandstone accompanied by quartzite, chert lense, limestone and dolomite, and its thickness exceeds 1,000m. Stocks and dikes of the Late Carboniferous ~ Early Permian syenodiorite, diorite, granite, porphyrite, lamprophyre, etc. intrude into the Formation.

The faults dominant in this district are with the NW-SE ~ E-W and NNW-SSE trends.

Ore deposits in the Bulutkan district consist of gold-bearing quartz, silicified veins and skarn orebodies. The known ore deposit in this district is the Bulutkan deposit .

(2) Outline of the Bulutkan deposit

According to results of the exploration conducted independently by the Uzbekistan at the +210m-level tunnel, the bonanza of the Bulutkan deposit occurs at intersections of the faults with WNW-ESE, NW-SE and ENE-WSW trends and the horizon including carbonate rocks.

The orebody is presumed to take the shape of a polygonal pyramid or pipe(width 20-35m ; depth about 100m) with a broad upper face(the surface portion), upright or

inclined sharply northwestward. The upper portion of the orebody is composed of silicified rocks accompanied by ferrous oxide, fine-grained quartz veins and chalcedony while the lower portion comprises skarn orebodies accompanied by sulfide veins, which is also accompanied by gold mineralization. Component minerals of the silicified rocks in the upper portion are mainly quartz, chalcedony, calcite, siderite and geothite accompanied by pyrrhotite and gypsum. Those of the skarns in the lower portion are amphibole-pyroxene skarns composed mainly of tremolite, actinolite, chlorite, pyrite, marcasite, goethite, pyrrhotite, arsenopyrite and chalcopyrite, as well as wollastonite, scheelite, epidote and grossular in small quantities.

According to the Uzbek mineralogical study, native gold occurs in quartz veins, calcite veins, and siderite veins, associated with graphite. Native gold is occasionally associated with sulfide minerals in amphibole-pyroxene skarns but not recognized in sulfide minerals. The gold grains take the oval, fine vein, porphrytic and polymorphic forms, while the grain sizes are 0.003mm or less ~ 0.1mm.

(3) Trenching survey results

Portions with Au grade of 1g/t or higher were found at three portions of the following trenches: T-11(80.0-82.0m; 1.2 g/t), T-28(36.0-37.0m; 3.8 g/t) and T-29(52.0-64.0m; 1.3 g/t). At the trenches T-13 and T-18, low-grade but relatively continuous gold mineralization was observed. Many silicified and oxide zones were confirmed by trenching but few of them showed high grade of Au.

(4) Drilling survey results

Gold mineralization was observed at the two drillholes aimed at the west extension of the Bulutkan deposit: MJUB-8(depths18.1-19.3m: true width 0.5m; 1.1g/t Au and 27.7-37.4m:4.9m; 4.4 g/t) and MJUB-9 (47.0-48.0m:0.5m; 8.5 g/t).

Au grades of 1g/t or more were also confirmed at MJUB-13(39.5-41.5m: 1.1m; 11.9 g/t), MJUB-17(23.4-26.4m:2.0m, 1.3 g/t) and MJUB-18(69.0-69.5m: 0.5m; 9.8 g/t). However, these orebodies are presumed to be poor in continuity and small in size(extension 50-150m; depth up to 100m), in the light of the trenching and drilling survey results.

(5) Geophysical survey results

The geophysical survey by the TEM method clarified the resistivity structure up to some 200m under the surface or 0m above the sea level. At the zone where syenodiorite occurs in the south of the survey area, the resistivity ranged from the medium to the very high. At the zone where Proterozoic occurs along the northern periphery of the syenodiorite body in the central part of the survey area, the high ~ very high-resistivity zones, apparently inclined northward, are intermittently distributed.

Most of the major mineral showings confirmed in the district by the trenching and drilling surveys have been found in these high-resistivity zones. The high resistivity zones correspond mainly to zones where diorite dikes, silicified rocks, quartzite and quartz veins are densely concentrated, and also to zones of silicified and skarnized metasomatites.

To the north of the high-resistivity zones, low-resistivity zones spread. The thickness of the low-resistivity zone tends to increase northward, and, in this district, stratiform distribution of resistivity is observed. The low-resistivity zones correspond to zones where limestone and slate occur. The resistivity distribution in the horizontal direction shows a block-like distribution controlled in the trends of WNW-ESE and NNE-SSW, similar to those of faults dominant in the survey area.

(6) Results of measurement of the homogenization temperature of fluid inclusions

The homogenization temperatures of fluid inclusions in quartz veins and calcite veins range from 100℃ to 360℃. Samples measured by calcite show a range of 102℃-167℃ while those measured by quartz show 101℃-362℃. Samples taken from skarns fall within a range of 250℃-350℃, while samples with gold mineralization was generally around 200℃ ranging from 100℃ to 250℃. These results are concordant with the conclusion of the Phase II survey that high-temperature skarnization (homogenization temperature: 250℃-350℃) was followed by gold mineralization under lower temperature(150℃-250℃).

The process of formation of the Bulutkan deposit can be interpreted as follows:

① By the intrusion of the syenodiorite stock, amphibole-pyroxene skarns which have paragenetic mineral compositions of chalcopyrite-pyrrhotite and pyrite-arsenopyrite in the horizon including carbonate rocks of the Kokpatas Formation were formed.

② Afterwards, gold-silver mineralization accompanying quartz veins, siderite veins and calcite veins was added.

(7) Results of ore reserves calculation

A tentative calculation on the ore portion ascertained by the trenching and drilling surveys and also by the tunneling prospecting by the Uzbek side indicated the ore reserves of 275,000t, grading 13.1g/t Au(3.6t of Au content), which is small for a gold deposit in Uzbekistan.

(8) Study on development of the ore deposit

In the Bulutkan district, large-scale development is unapplicable due to the small ore reserves, while small-scale open-pit mining is applicable to near-surface orebodies with wide veins. Feasibility for development of two selected ore blocks including the Bulutkan deposit was studied on the assumptions that initial investment is to be minimized and that

the ore is to be hauled to the Kokpatas gold mine by 45-t trucks and to the Uchkuduk No.3 ore-dressing plant by rail, for processing. A tentative calculation indicated that, if 115,000t of minable crude ore, grading 10.0 g/t Au, is mined out within one year, operating income of approx. 15 million sum(300,000$) would be gained. As it is not realistic to newly organize an independent mine only for the one-year operation, the ore blocks would have to be placed under the control and administration of the Kokpatas gold mine as its subsidiary mine if the ore blocks are to be developed in reality.

Chapter 2 Recommendations

1) Sautbay district

The ore reserves of the Sautbay, Burgut and Saghinkan deposits were estimated at a cutoff grade of 0.05% WO_3. The Saubay-Burgut ore reserves are approx. 15,195,000t, averaging 0.29% WO_3 and 0.23 g/t Au, while the Saghinkan reserves are approx. 10,062,000t, averaging 0.24% WO_3 and 0.02 g/t Au.

Based on the estimates, feasibility for development of these deposits was studied, which however led to the negative conclusion that mine development in this district is economically unfeasible under the current levels of ore reserves, grade and WO_3 price, since the operations generate losses even on the most favorable assumptions. A certain increase in ore reserves by further exploration may be anticipated but a significant improvement in WO_3 grade is unlikely.

Under such circumstances, it is advisable to suspend exploration in this district and to reserve the district as a potential supply source of tungsten resources for the future.

2) Bulutkan district

The gold deposits in this district are scattered along the strike of the extension over 1,200m in the Proterozoic close to the northern periphery of the syenodiorite stock.

The Phase III estimation of the total ore reserves of eight ore blocks indicated approx. 275,000t, grading 13.1g/t Au and 6.5 g/t Ag. Two of the ore blocks, including the Bulutkan deposit, were extracted for the tentative feasibility study for open pit operation. The study indicates that if 115,000t of minable crude ore, grading 10.0 g/t, is mined out within a period of one year, it would generate operating income of 125 sum(2.50$) per ton of crude ore. It is necessary to study how to deal with the ore deposit in the future..

There remains certain possibility for discovery of small ore deposits of a Bulutkan-class, to the north of the syenodiorite stock in the area east of the trench T-6, where the Phase II trenching and geophysical surveys were conducted. It is recommendable to carry out further trenching, geophysical and drilling surveys in the area, in order to ascertain mineralization in the area. Since bonanzas in this district occur at intersections of the faults with WNW-ESE trends, groups of fissures intersecting the faults and also the horizon of carbonate rocks, it is recommended, for successful exploration, to make detailed studies on the structures of the horizon of carbonate rocks and of the faults intersecting the horizon.

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APPENDICES

Appendix 1 Geologic Core Logs of the Drillings

LEGEND


Quarternary Deposits


Lamprophyres


Granites, Granodiorites


Porphyrites


Syenodiorites


Diorites


Aplites


Slates


Sandstones


Limestones


Dolomites


Quartzites

dip(bedding plane)

dip(intrusive rock)

dip(joint plane, fault plane, contact plane of silicified rock)


Fractured zone

Silicified rock

S S Skarnized rock

△ △ Brecciated rock

Hornfels

·Abbreviations

alt	: altered	lmp	: lamprophyre
act	: actinolite	limo	: limonite
asp	: arsenopyrite	ls	: limestone
blk	: black	ma	: marcasite
cal	: calcite	mo	: molybdenite
ch	: chert	po	: porphyrite
chl	: chlorite	phyro	: phrrhotite
cp	: chalcopyrite	py	: pyrite
crs	: coarse	qz	: quartz
dk	: dark	rhodo	: rhodonite
diop	: diopside	side	: siderite
dol	: dolomite	sl	: slate
dt	: diorite	ss	: sandstone
ep	: epidote	wo	: wollastonite
fn	: fine	w	: widith
frac	: fractured		
gyp	: gypsum		

·Sample for Assay and Laboratory Test

A. Sample for assay
B-801:Ore sample(Bulutkan district)

B. Sample for laboratory test
B-8L2:Geological test
(1)T···Thin section
(2)P···Polished section
(3)X···X-Ray diffraciotnalysis
(4)F···Fluid inclusion test

GEOLOGIC CORE LOG OF MJUB-8 (1/2)

1/200

Level 231.57 m Direction S25°W
X 68,678.96 m Inclination -80°
Y 92,126.40 m Length 100.0m

MJUB－8 (1／2) 0 m ～ 50 m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
		0-4.0m, sand with pebbles
	4.00	
	4.90	4.0-7.0m, strongly weathered brownish grey lmp with limo
		4.0-4.9m, frac. zone
	7.00	
		7.0-9.0m, storngly weatherd silici. rock with cal v. & limo
	9.00	
		9.0-14.2m, strongly weathered silici. rock(ss?) with qz veinlets and limo
	14.20	
		14.2-19.3m, grey-brownish grey silici & metaso. with py & limo
		68
		16.7-17.5m, frac zone
		18.1-18.8m, frac zone
	19.30	
		19.3-20.1m, green skarn with abundant py
	20.10	
	20.30	20.1-20.3m, py vein
		20.3-34.6m, grey silici. and skarnized metaso. with py & limo
	22.60	
	23.40	22.6-23.4m, py vein
		23.4-24.5m, grey silici. & 15 skarnized metaso. with py
	24.50	
		24.5-24.7m, py, ma vein
		30
		35
	26.10	
	26.90	26.1-26.9m, py vein
	27.30	
	27.70	27.3-27.7m, py vein
	32.10	
	32.50	32.1-32.5m, qz vein
		70
	34.60	
		34.6-36.4m, skarn with py, ma
	36.40	
		36.4-37.4m, greenish grey skarnized dt with py, ma
	37.40	
		37.4-100.0m, pinkish grey syeno-dt
		38.4m, qz, py, ma vein w=0.3cm
		35
		joint
		40
	46.80	
	47.10	46.8-47.1m, qz vein

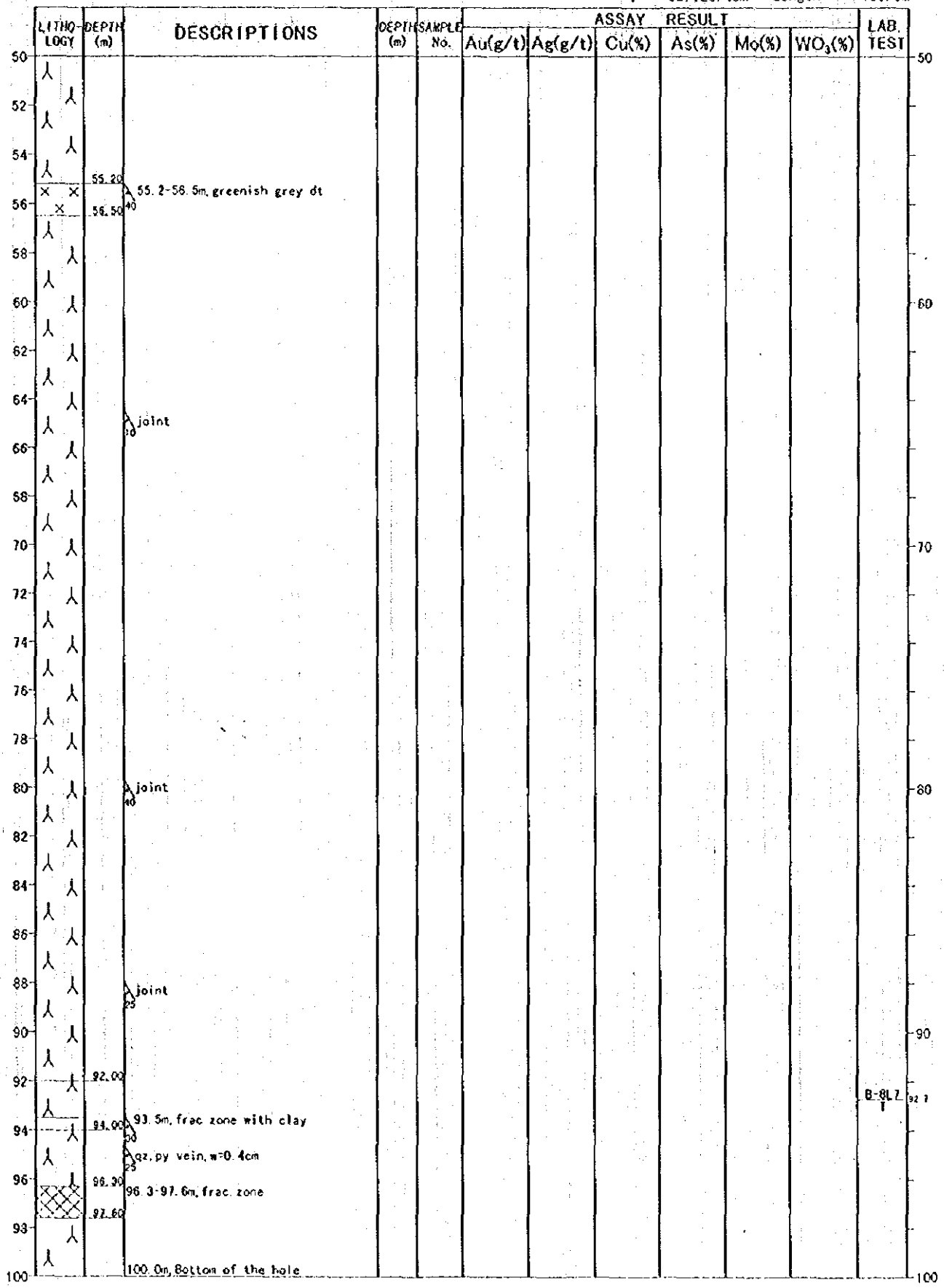
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
4.9	B-801	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
7.0	B-802	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
9.0	B-803	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
11.0	B-804	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
12.5	B-805	< 0.1	< 1	< 0.01	0.01	< 0.01	< 0.01	
14.2	B-806	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
15.0	B-807	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
16.0	B-808	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
17.0	B-809	0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
18.1	B-8010	1.1	1.8	0.03	< 0.01	< 0.01	< 0.01	
19.3	B-8011	< 0.1	< 1	0.11	0.08	< 0.01	< 0.01	
20.3	B-8012	< 0.1	< 1	0.06	< 0.01	< 0.01	< 0.01	
21.5	B-8013	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
22.6	B-8014	0.1	< 1	0.38	< 0.01	< 0.01	< 0.01	
23.4	B-8015	< 0.1	< 1	0.11	< 0.01	< 0.01	< 0.01	B-8L2 X, P 24.8
24.7	B-8016	< 0.1	< 1	0.03	< 0.01	0.01	< 0.01	
26.1	B-8017	< 0.1	< 1	0.12	< 0.01	< 0.01	< 0.01	
27.7	B-8018	12	11.4	0.14	< 0.01	< 0.01	0.05	B-8L3 P 28.3
29.0	B-8019	4	3.2	0.1	0.02	< 0.01	< 0.01	
30.0	B-8020	< 0.1	< 1	0.05	< 0.01	0.01	< 0.01	
31.0	B-8021	0.2	< 1	0.09	< 0.01	< 0.01	< 0.01	
32.1	B-8022	0.6	2.2	0.03	< 0.01	< 0.01	< 0.01	B-8L4 F 32.3
33.5	B-8023	0.3	< 1	0.03	< 0.01	0.01	< 0.01	B-8L5 F 34.2
34.6	B-8024	1.1	1.4	0.1	< 0.01	< 0.01	< 0.01	
35.5	B-8025	6.4	6.8	0.15	< 0.01	< 0.01	< 0.01	
36.4	B-8026	2.8	1.6	0.02	< 0.01	< 0.01	< 0.01	
37.4								

GEOLOGIC CORE LOG OF MJUB-8 (2/2)

1/200

MJUB-8 (2/2) 50 m ~ 100 m

Level 231.57 m Direction S25°W
X 68,678.96m Inclination -80°
Y 92,126.40m Length 100.0m



GEOLOGIC CORE LOG OF MJUB-9 (1/2)

1/200

MJUB-9 (1/2) 0 m ~ 50 m

Level 234.24 m Direction S25°W
X 68,710.24 m Inclination -80°
Y 92,137.70 m Length 100.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	0.6	0-0.6m, sand with pebbles
	1.8	0.6-1.8m reddish brown silici. rock with qz v. and py(float)
	4.5	1.8-4.5m, brownish grey sand with pebbles
	7.8	4.5-7.8m, qz vein
	8.8	7.8-8.8m, brecciated qz v with limo
	9.1	9.1-9.9m, brecciated qz v with limo
	9.9	
	10.3	9.9-10.3m, greenish grey silici. & skarnized metaso.
	10.6	10.3-10.6m, brecciated qz v. with limo
	12.1	10.6-12.1m, frac. zone with clay
	14.0	12.1-18.8m, greenish grey silici. & skarnized metaso. with qz limo
	14.8	14.0-14.8m, brown skarn with cal, limo
	16.8	15.8-16.0m, syeno-dt (65)
	17.2	16.8-17.2m, cal vein
	17.6	17.4-17.6m, cal vein
	18.8	18.8-21.0m, qz v. with limo
	21.0	21.0-22.0m, brownish grey silici. and skarnized metaso. with py, limo (65)
	22.0	22.0-23.2m, skarn(wo, act)
	23.2	23.2-25.3m, greenish grey silici. & skarnized metaso with cal, qz
	23.7	23.7-24.2m, skarn(wo-diop)
	24.2	25.3-28.2m, skarnized ls with wo, diop
	25.3	28.2-29.4m, green skarn with py, ma
	28.2	29.4-30.7m, silici. and skarnized metaso (45)
	29.4	30.7-31.8m, dk grey dt
	30.7	31.8-39.8m, pinkish grey crs syeno-dt (40)
	31.8	35.6m, joint with limo (10)
	39.8	39.5m, chl, py, ma v, w=0.5-0.8cm
	41.2	39.8-41.2m, silici. & skarnized metaso
	42.2	41.2-42.2m, dk grey skarnized dt with py (30)
	49.5	42.2-46.5m, silici. & skarnized metaso. (ss)>>sl)
	47.0	46.5-47.0m, whitish grey silici. metaso
	48.0	47.0-48.0m, qz, py, ma, cp vein (60)
	48.3	48.3-69.0m, pinkish grey syeno-dt (65)

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
4.5	B-901	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
5.5	B-902	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
6.5	B-903	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
7.8	B-904	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
8.8	B-905	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	B-SL2 F
9.9	B-906	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
10.6	B-907	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
12.1	B-908	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
14.0	B-909	< 0.1	< 1	< 0.01	0.1	< 0.01	< 0.01	
14.8	B-9010	0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
15.8	B-9011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
16.8	B-9012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
17.6	B-9013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
18.8	B-9014	0.2	1.4	< 0.01	< 0.01	< 0.01	< 0.01	
20.0	B-9015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
21.0	B-9016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
22.0	B-9017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-SL3 X
23.2	B-9018	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
24.2	B-9019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
25.3	B-9020	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
26.3	B-9021	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
27.3	B-9022	< 0.1	< 1	< 0.01	0.02	< 0.01	< 0.01	
28.2	B-9023	< 0.1	< 1	0.02	0.14	< 0.01	0.01	B-SL4 T, X, P
29.4	B-9024	< 0.1	< 1	< 0.01	0.04	< 0.01	< 0.01	
30.7								
39.8	B-9025	< 0.1	< 1	< 0.01	< 0.01	0.01	0.02	
41.2	B-9026	0.5	< 1	0.01	0.02	< 0.01	0.01	
42.3	B-9027	< 0.1	< 1	0.03	0.13	< 0.01	< 0.01	
44.0	B-9028	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
45.5	B-9029	< 0.1	< 1	< 0.01	0.02	< 0.01	< 0.01	
47.0	B-9030	8.5	7.8	0.38	1.7	< 0.01	0.01	B-SL5 P, X
48.0								

GEOLOGIC CORE LOG OF MJUB-9(2/2)

1/200

MJUB-9 (2/2) 50 m ~ 100 m

Level 234.24 m Direction S 25°W
X 68,710.24m Inclination -80°
Y 92,137.70m Length 100.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		syeno-dt									
		joint 30°									
	69.0	69.0-70.3m, grey dt with py									
	70.3										
	85.0	85.0-86.0m, frac zone									
	86.0	85.3m, calv, w=1cm, 10°									
	87.0	87.0-87.6m, frac zone									
	87.6										
	88.2	88.2-88.8m, frac zone									
	88.8										
		98.2m, joint with py									
	99.0	99.0-100.0m, frac zone									
		joint with py, 15°									
	100.0	100.0m Bottom of the hole									

GEOLOGIC CORE LOG OF MJUB-10 (1/3)

1/200

MJUB-10 (1/3) 0 m ~ 50 m

Level 239.16 m Direction S25°W
X 68,597.50m Inclination -80°
Y 92,236.75m Length 110.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		0-1.8m, light grey sand with pebbles									
	1.8	1.8-3.0m, strongly weatherd reddish brown alt(ss>>sl) with limo									
	3.0	3.0-7.0m, reddish brown alt(ss>>sl)									
		15									
	7.0	7.0-11.2m, greenish grey silici. weakly skarnized ss with banded sl and py									
		30									
		10.1m, limo v, w=5mm, 35°									
		35									
	11.2	11.2-15.5m, reddish brown silici. and weakly skarnized metaso. with qz veinlets & limo	11.2	B-1001	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
			12.0	B-1002	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
			13.0	B-1003	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
			14.0	B-1004	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	15.5	15.2m, qz v, w=2cm, 40°	15.5								
		40		B-1005	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		15.5-18.2m, grey silici. ss with qz veinlets and py	17.0								
		20		B-1006	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
		16.1m, cal v, w=0.7cm, 20°	18.2								
	18.2	18.2-19.0m, greenish grey syeno-dt	19.0								
	19.0	19.0-42.0m, greenish grey silici. weakly skarnized alt(ss>sl) with py		B-1007	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	19.9	19.9m, syeno-dt, w=10cm	21.0								
				B-1008	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			23.0								
				B-1009	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		20	25.0								
		25.8m, qz v		B-10010	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		60	27.0								
		26.8m, qz v, w=2cm		B-10011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			29.0								
		29.2-29.7m, frac zone		B-10012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		30.5m, cal v, w=2cm	31.0								
		5		B-10013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	33.5	33.5-34.5m, pinkish grey gr	33.5								
	34.5	50									
		joint with py									
		20	38.0								
				B-10014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			40.0								
				B-10015	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	42.0	42.0-44.3m, dk grey f. ss silici. and partly skarnized with py	42.0								
	44.3	44.3-51.0m, dk grey alt(ss>>sl), silici. and partly skarnized with py									
		joint									
		40									

GEOLOGIC CORE LOG OF MJUB-10 (2/3)

1/200

MJUB-10 (2/3) 50 m ~ 100 m

Level 239.16 m Direction S25°W
X 68,594.50m Inclination -80°
Y 92,236.75m Length 110.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	50.0	50.3m, qz v, w=3cm
	51.0	51.0-52.2m, dk grey dt
	52.2	52.0m, qz v, w=0.5cm
		52.2-54.9m, silici. alt(ss>>sl)
	54.9	54.9-55.5m, pinkish grey syeno-dt
	55.5	55.5-55.9m, dk grey silici. ss
	55.9	55.9-56.2m, pinkish grey syeno-dt
	56.2	56.2-59.7m, weakly skaenized dt
	59.7	59.7-61.7m, dk grey silici. & weakly skarnized alt(ss>>sl) with py
	61.7	61.7-62.7m, grey dt
	62.7	62.7-66.5m, grey silici. & skarnized ss with py, rhodo
		63.5-63.9m, yellowish green skarn
		65.0-65.4m, yellowish green skarn
	66.5	66.5-67.2m, yellowish green skarn
	67.2	67.2-73.0m, grey silici ss with py
	68.3	68.3-69.4m, grey dt
	69.4	69.4-69.8m, dk grey dt
	70.9	70.9-71.4m, dk grey dt
	71.4	
	73.0	73.0-73.5m, greenish white ls with wo, py, cp
	73.5	73.5-81.0m, dk grey silici. & skarnized ss wtih py
	74.5	74.5-75.2m, pinkish grey syeno-dt
	75.2	
	76.2	76.2-76.5m, dk grey dt
	76.5	
	81.0	81.0-84.6m, dk grey dt
		81.4-81.47m, grey-dt dike
		81.8-82.1m, grey-dt dike
	84.6	84.6-110.0m, pinkish grey syeno-dt
		qz v, w=1cm
		joint
		97.5m, cal v, w=0.3cm

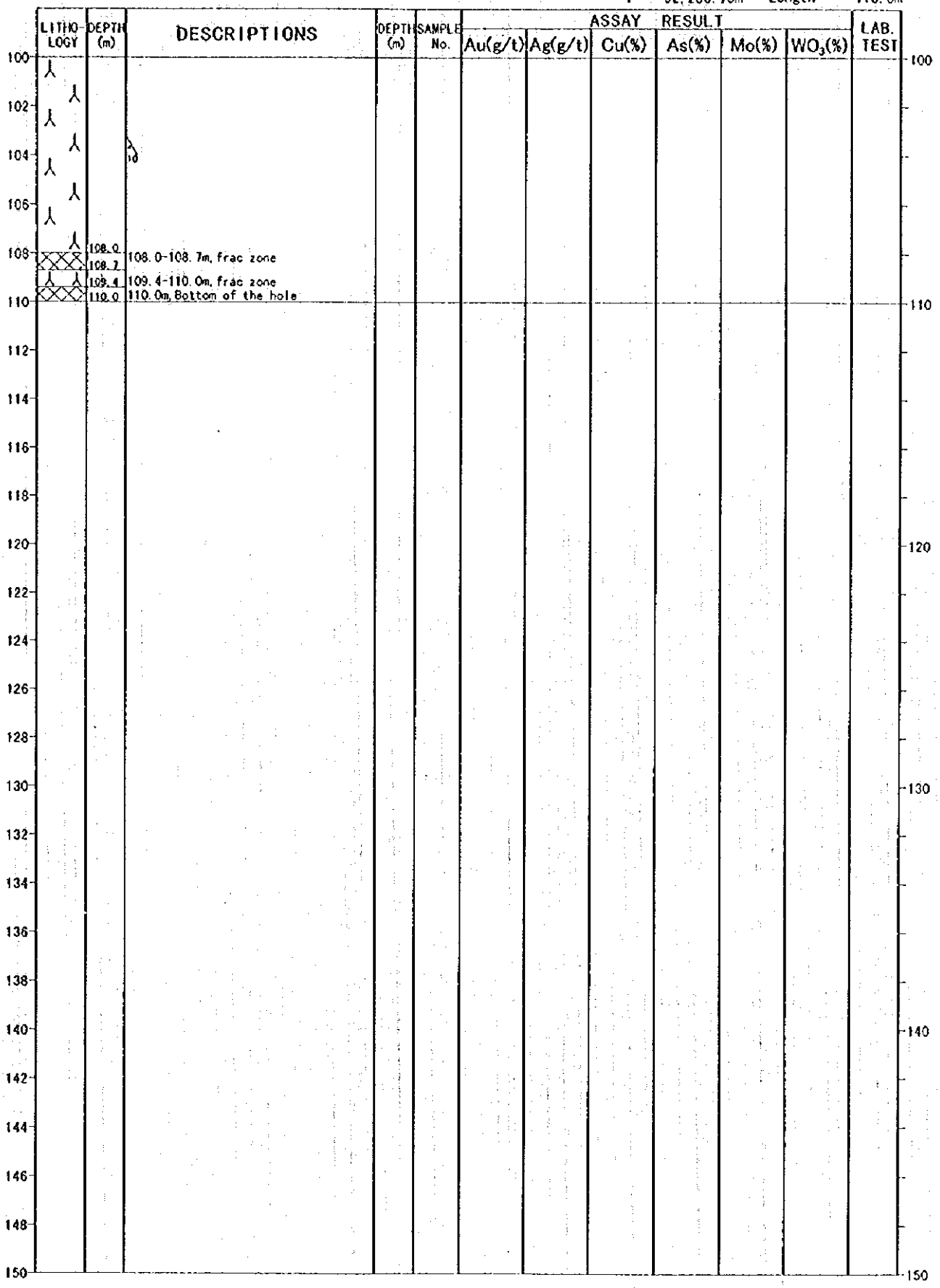
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
50.0								
51.0	B-10016	< 0.1	< 1	0.01	< 0.01	< 0.01	0.01	
	B-10017	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
52.0	B-10018	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-10L1 F
53.0	B-10019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
53.7								
62.7	B-10020	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-10L2 F
63.9	B-10021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	0.01	
65.0	B-10022	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
66.0	B-10023	< 0.1	< 1	0.01	< 0.01	< 0.01	0.01	B-10L3 X
67.2	B-10024	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
69.4								
71.4	B-10025	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
73.0	B-10026	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-10L5 X
74.5								
77.7	B-10027	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
78.7								

GEOLOGIC CORE LOG OF MJUB-10(3/3)

1/200

MJUB-10 (3/3) 100 m ~ 110 m

Level 239.16 m Direction S25°W
X 68,594.50m Inclination -80°
Y 92,236.75m Length 110.0m



GEOLOGIC CORE LOG OF MJUB-11(1/4)

1/200

MJUB-11 (1/4) 0 m ~ 50 m

Level 239.16 m Direction S25°W
X 68,627.66m Inclination -80°
Y 92,236.75m Length 152.0m

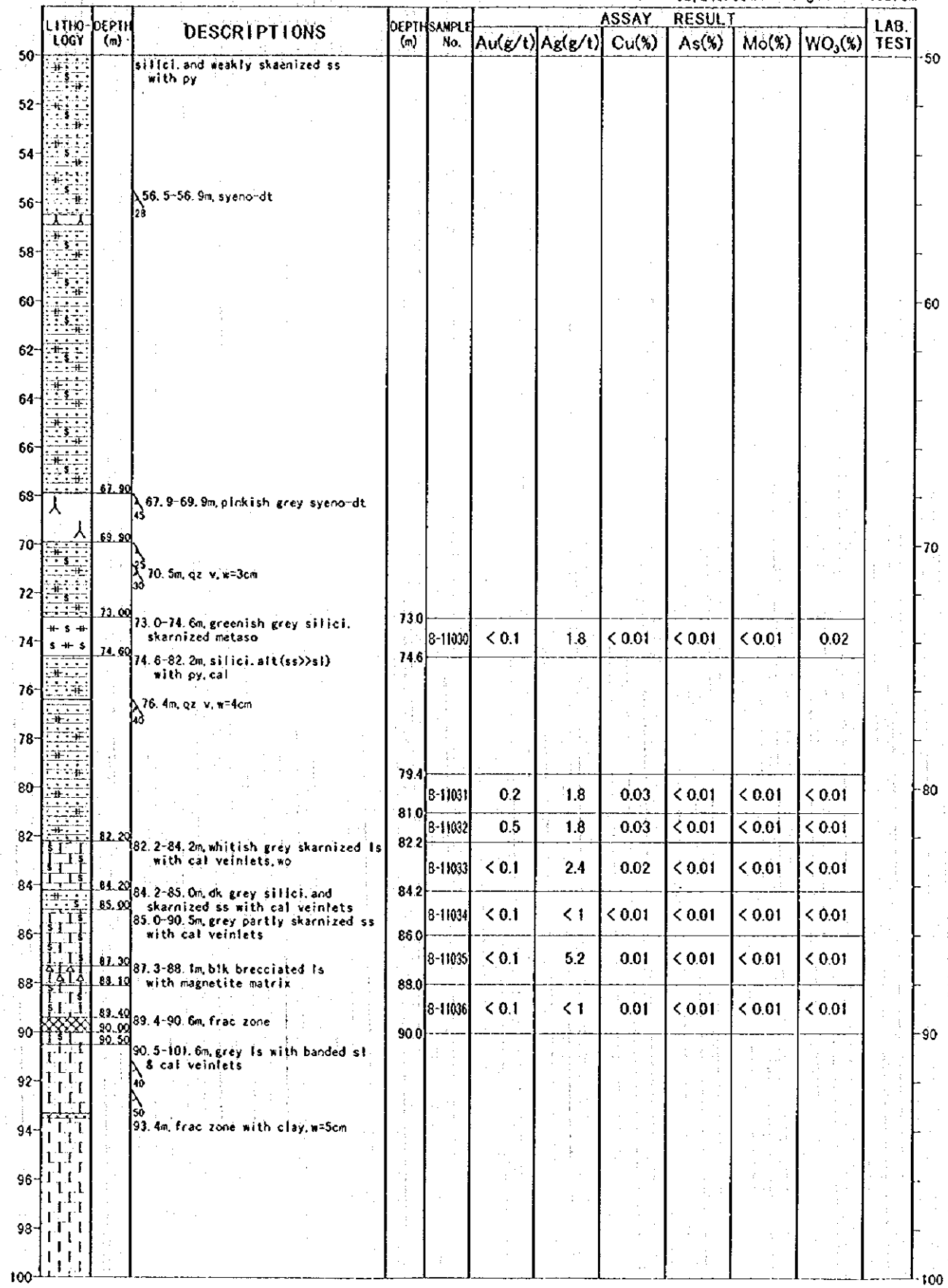
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		0-6.8m, sand with pebbles									
	6.8	6.8-8.0m, strongly weatherd silici. ss with limo	6.8	B-1101	< 0.1	4.4	0.02	< 0.01	< 0.01	< 0.01	
	8.0	8.0-8.3m, grey ls	8.0	B-1102	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	8.3	8.3-11.1m, dk grey silici. alt(ss>>st) with qz, cal, gyp veinlets and limo	9.0	B-1103	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
			10.0	B-1104	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	11.0	65	11.0	B-1105	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
		11.0-14.3m, grey ls with cal veinlets and limo	12.0	B-1106	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			13.0	B-1107	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	14.30	14.3-15.9m, brownish grey alt(ss>>st) with qz, cal veinlets	14.3	B-1108	< 0.1	7.8	< 0.01	< 0.01	< 0.01	< 0.01	
	15.90	15.9-17.0m, ls partly skarnized	15.0	B-1109	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	17.00	17.0-18.0m, qz, cal v with brecciated rock fragments	15.9	B-11010	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
	18.00	14.9-19.9m, grey dt with cal veinlets	17.0	B-11011	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
	19.40		18.0	B-11012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	19.90		19.9	B-11013	< 0.1	2.8	< 0.01	< 0.01	< 0.01	< 0.01	
			22.0	B-11014	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
		cal v, w=0.5cm	24.0	B-11015	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
		15	26.0	B-11016	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
	27.2	27.0-27.2m, skarn(wo, diop) with cal vein	28.0	B-11017	< 0.1	1.6	0.02	< 0.01	< 0.01	< 0.01	
	29.9	29.9-32.2m, grey ls, partly skarnized (wo, diop) with cal veinlet	29.9	B-11018	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
	32.2	32.2-35.2m, dk grey ss with cal, py veinlets	31.0	B-11019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			32.2	B-11020	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
			33.7	B-11021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	35.2	35.2-38.6m, greenish white skarn with wo, act	35.2	B-11022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-11L3 X 36.1
			37.0	B-11023	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	38.6	38.6-40.2m, skarnized ls with act, wo	38.6	B-11024	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	40.2	40.2-43.8m, greenish white skarn with diop, act, wo	40.2	B-11025	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			42.0	B-11026	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	43.8	43.8-82.2m, silici. and weakly skarnized ss with py, calveinlets	43.8	B-11027	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
	44.0	44.0-44.8m, frac zone	46.0	B-11028	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
	46.7	46.7-47.0m, frac zone	48.0	B-11029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	47.0	cal v, w=0.2cm, 40° 40	50.0								

GEOLOGIC CORE LOG OF MJUB-11 (2/4)

1/200

MJUB－11 (2／4)　50 m ～ 100 m

Level 240.93 m　Direction S25°W
X 68,627.66m　Inclination -80°
Y 92,248.90m　Length 152.0m



DEPTH (m)	SAMPLE No.	Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
73.0	B-11030	< 0.1	1.8	< 0.01	< 0.01	< 0.01	0.02	
74.6								
79.4	B-11031	0.2	1.8	0.03	< 0.01	< 0.01	< 0.01	
81.0	B-11032	0.5	1.8	0.03	< 0.01	< 0.01	< 0.01	
82.2	B-11033	< 0.1	2.4	0.02	< 0.01	< 0.01	< 0.01	
84.2	B-11034	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
86.0	B-11035	< 0.1	5.2	0.01	< 0.01	< 0.01	< 0.01	
88.0	B-11036	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
90.0								

GEOLOGIC CORE LOG OF MJUB-11 (3/4)

1/200

MJUB-11 (3/4) 100 m ~ 150 m

Level 240.93 m Direction S25°W
X 68,627.66m Inclination -80°
Y 92,248.90m Length 152.0m

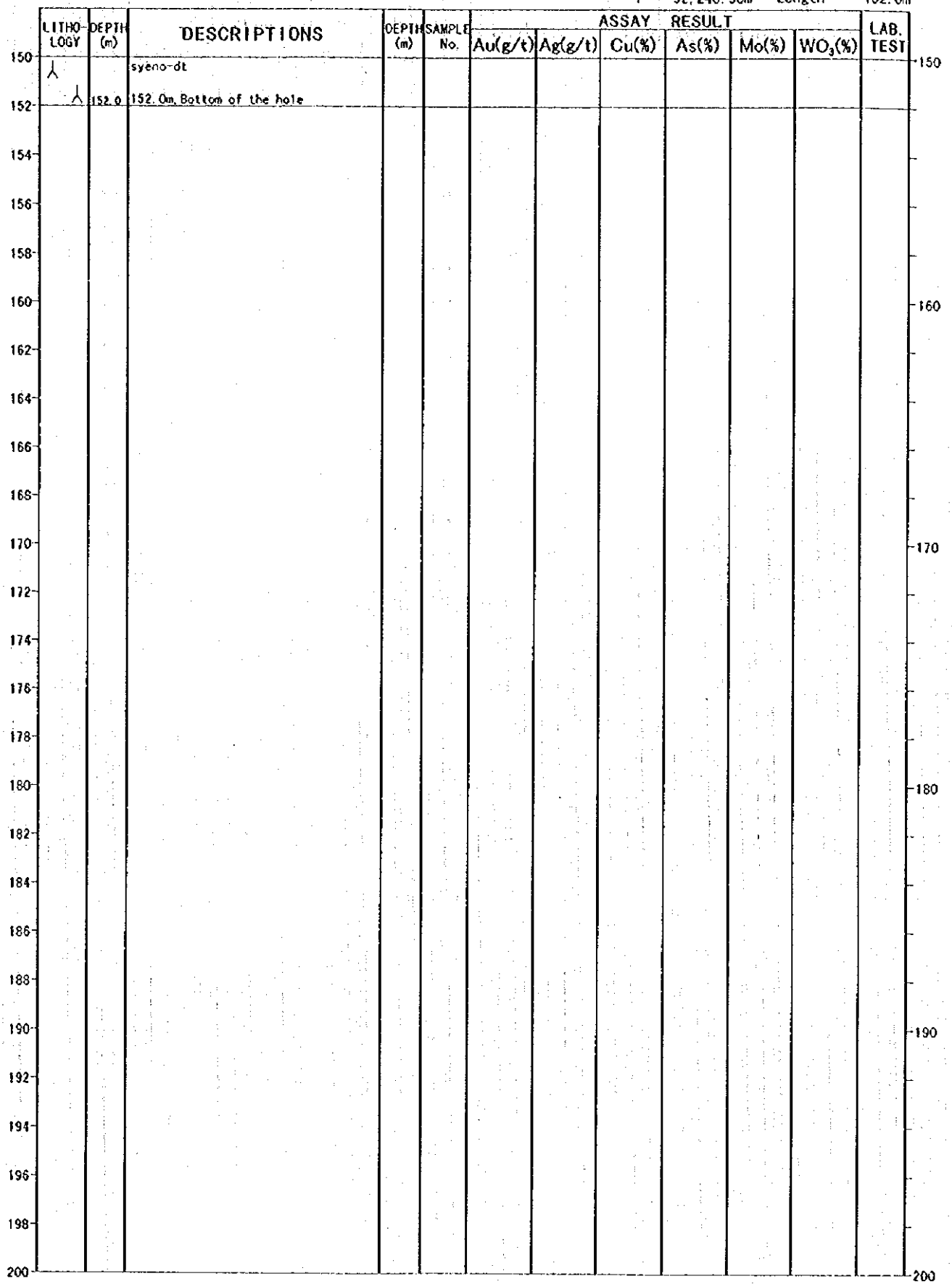
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	100.2	100.2-101.6m, skarnized ls with wo(rhodo)	100.2								
	101.6	101.6-107.5m, skarnized ls with wo(rhodo)	101.6	B-11037	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			103.0	B-11038	< 0.1	< 1	0.02	< 0.01	< 0.01	0.02	
			104.0	B-11039	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			105.0	B-11040	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
			106.0	B-11041	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	107.5	107.5-114.1m, blk-dk grey alt(sl>>ss) with cal veinlets	107.5	B-11042	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		109.4-109.7m, whitish grey qzite									
		111.6m, qz v, w=10cm, 35									B-11L6 F 111.6
	114.1	114.1-118.1m, frac zone of alt(sl>>ss)									
	114.8	114.8-118.1m, greenish grey skarn with hed, act, rhodo, wo	114.8	B-11043	0.2	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			116.0	B-11044	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			117.0	B-11045	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-11L7 T, X 117.9
	118.1	118.1-119.0m, dk grey alt(ss>>sl) with cal v.	118.1	B-11046	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	119.0	119.0-123.3m, greenish grey skarn with cal v.	120.0	B-11047	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			120.0	B-11048	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	121.3	121.3-125.9m, frac zone	121.0	B-11049	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
			122.0	B-11050	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	123.3	123.3-128.0m, greensih grey dt with py, cal veinlets	123.3	B-11051	0.5	48.6	0.01	< 0.01	< 0.01	< 0.01	
		124.3m, fissure, 25									
	125.9		125.9	B-11052	< 0.1	1.2	0.01	< 0.01	< 0.01	< 0.01	B-11L8 T 127.1
	127.4	127.4-128.0m, frac zone									
	128.0	128.0-129.0m, greenish grey silici. and skarnized metaso with cal v, py	128.0	B-11053	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	129.0	119.0-123.3m, greenish grey skarn with cal v.	129.0								
	130.7	129.0-152.0m, syeno-dt									
		130.2m, py v, w=1cm, 5°									
	132.2	130.7-132.2m, frac zone									
	132.7										
	133.0	132.7-133.0m, frac zone									
		149.7m, joint, 25									

GEOLOGIC CORE LOG OF MJUB-11 (4/4)

1/200

MJUB-11 (4/4) 150 m ~ 152 m

Level 240.93 m Direction S25°W
X 68,627.66m Inclination -80°
Y 92,248.90m Length 152.0m



GEOLOGIC CORE LOG OF MJUB-12 (1/4)

1/200

MJUB－12（1／4）　0 m ～ 50 m

Level 243.38 m　Direction S25°W
X 68,656.57 m　Inclination -80°
Y 92,261.07m　Length 194.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		0-3.0m, sand with pebbles									
	3.00	3.0-5.0m, brownish grey skarnized weathered skarn with cal v, limo	3.0	B-1201	0.1	< 1	0.02	0.01	< 0.01	0.01	
	5.00	5.0-8.0m, pinkish grey skarnized ss with cal, rhodo, limo	4.0	B-1202	< 0.1	14.8	0.02	0.02	< 0.01	< 0.01	
		5.8m, cal v, w=2cm, 45°	5.0	B-1203	< 0.1	4.8	0.02	0.03	< 0.01	< 0.01	
			6.0	B-1204	< 0.1	5.2	< 0.01	0.03	< 0.01	< 0.01	
	8.00	8.0-9.0m, qz v. with cal, wo	8.0	B-1205	< 0.1	3.2	< 0.01	0.04	< 0.01	< 0.01	B-12L1 F
	9.00	8.6-9.0m, frac zone	9.0								
	10.00	9.0-13.8m, brownish grey silici. and skarnized metaso. with cal, limo		B-1206	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
		10.0-12.8m, frac zone	11.0	B-1207	0.8	10.4	0.07	0.02	< 0.01	< 0.01	
	12.80		12.8	B-1208	0.2	< 1	< 0.01	0.03	< 0.01	< 0.01	
	13.80	13.8-14.0m, qz v. 30°	14.0	B-1209	< 0.1	12	< 0.01	0.03	< 0.01	< 0.01	
	14.00	14.0-18.0m, grey ls weakly skarnized with cal veinlets									
	15.00	15.0-17.0m, frac zone	16.0	B-12010	< 0.1	< 1	< 0.01	0.03	< 0.01	< 0.01	
	16.00	16.0m, cal v, w=3cm, 5°	18.0	B-12011	< 0.1	< 1	0.02	0.05	< 0.01	0.01	
	18.00	18.0-21.3m, dk grey alt(ss>>sl), silici. partly skarnized	19.5	B-12012	< 0.1	< 1	< 0.01	0.03	< 0.01	< 0.01	
	21.30	21.3-23.0m, whitish grey ls, skarnized with cal, wo	21.3	B-12013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-12L2 X
	23.00	23.0-25.4m, grey ss silici. and partly skarnized	23.0	B-12014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	25.40	25.4-28.7m, grey ls partly skarnized with cal, limo	25.4	B-12015	< 0.1	8.2	< 0.01	< 0.01	< 0.01	< 0.01	
			27.0	B-12016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	28.70	28.7-33.0m, grey ss with sl bands, py	28.7								
		28.7-30.2m, frac zone									
	30.20	30.2-31.0m, syeno-dt									
	31.00	33.0-35.0m, greenish grey strongly silici. & skarnized metaso with cal v	33.0	B-12017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	33.00	34.5m, cal v, w=2cm, 30°	34.0	B-12018	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		35.4-53.4m, grey ss with cal veinlets, py	35.0								
	35.00	35.7m, cal v, w=5cm, 5°									

GEOLOGIC CORE LOG OF MJUB-12(2/4)

1/200

MJUB-12 (2/4) 50 m ~ 100 m

Level 243.38 m Direction S25°W
X 68,656.57m Inclination -80°
Y 92,261.07m Length 194.0m

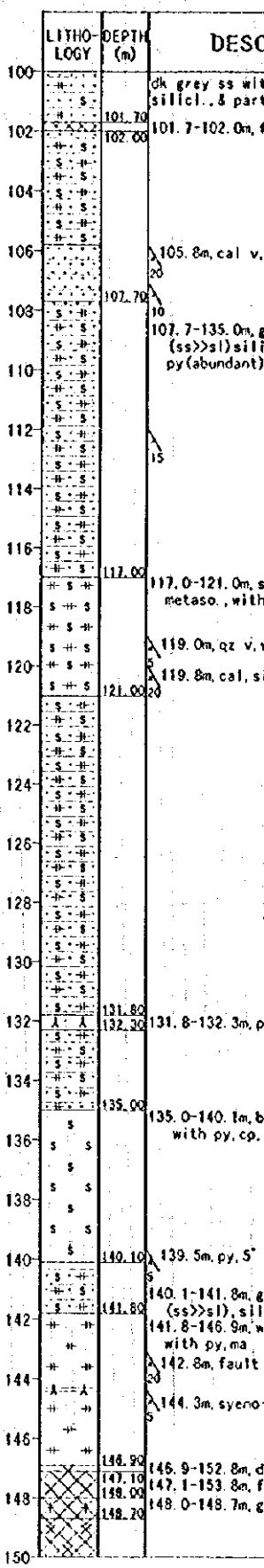
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	53.40	53.4-68.4m, grey ls with sl bands and cal veinlets									
	56.50										
	57.30	56.5-57.3m, frac zone									
	68.40	68.2m, cal vein, 20° 68.4-72.0m, silici, partly skarnized ss with cal	68.4	B-12019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			70.0	B-12020	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	71.70	71.6m, cal v, w=1cm, 40°	72.0	B-12021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-12L3
	72.00	71.7-72.0m, frac zone 72.0-75.4m, dk grey ss with sl bands, partly skarnized	73.5	B-12022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	75.40	75.4-77.2m, skarnized ls with py, wo, cal, rhodo	75.4	B-12023	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	77.20	77.0-78.4m, frac zone	77.2								
	78.40	77.2-80.4m, dk grey alt(ss>sl) with cal veinlets	80.4	B-12024	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
	80.40	80.4-88.2m, grey ls, partly skarnized(wo, act)	82.0	B-12025	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
			84.0	B-12026	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			85.5	B-12027	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	88.20	88.1m, cal, rhodo v, w=1cm, 10° 88.2-107.7m, dk grey ss with py & s bands, silici. & partly skarnized	87.0	B-12028	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
			88.2								
		91.6m, side v, w=0.7cm									
		94.8m, cal v, w=0.5cm, 40°									
		96.8m, py v, w=2cm, 15°									
		99.7m, cal v, w=0.8cm									

GEOLOGIC CORE LOG OF MJUB-12(3/4)

1/200

MJUB－12（3／4） 100 m ～ 150 m

Level 243.38 m Direction S25°W
X 68,656.57m Inclination -80°
Y 92,261.07m Length 194.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
		dk grey ss with py & sl bands, silici., & partly skarnized
	101.70	
	102.00	101.7-102.0m, frac zone
		105.8m, cal v, w=4cm, 20°
	107.70	
		107.7-135.0m, greensih grey alt (ss>>sl)silici. & skarnized, with py(abundant), rhodo
	117.00	
		117.0-121.0m, silici, skarnized metaso., with druesy qz, cal, py
		119.0m, qz v, w=1cm, 5°
		119.8m, cal, side v, w=1.5cm, 20°
	121.00	
	131.80	
	132.30	131.8-132.3m, pinkish brown syeno-dt
	135.00	
		135.0-140.1m, brownish green skarn with py, cp, ma
	140.10	139.5m, py, 5°
		140.1-141.8m, greenish grey alt (ss>>sl), silici, and skarnized
	141.80	
		141.8-146.9m, white silici. metaso. with py, ma
		142.8m, fault clay, w=2.5cm, 20°
		144.3m, syeno-dt v, w=2cm, 5°
	146.90	
		146.9-152.8m, dk grey dt
	147.10	147.1-153.8m, frac zone
	150.00	
	148.20	148.0-148.7m, granite

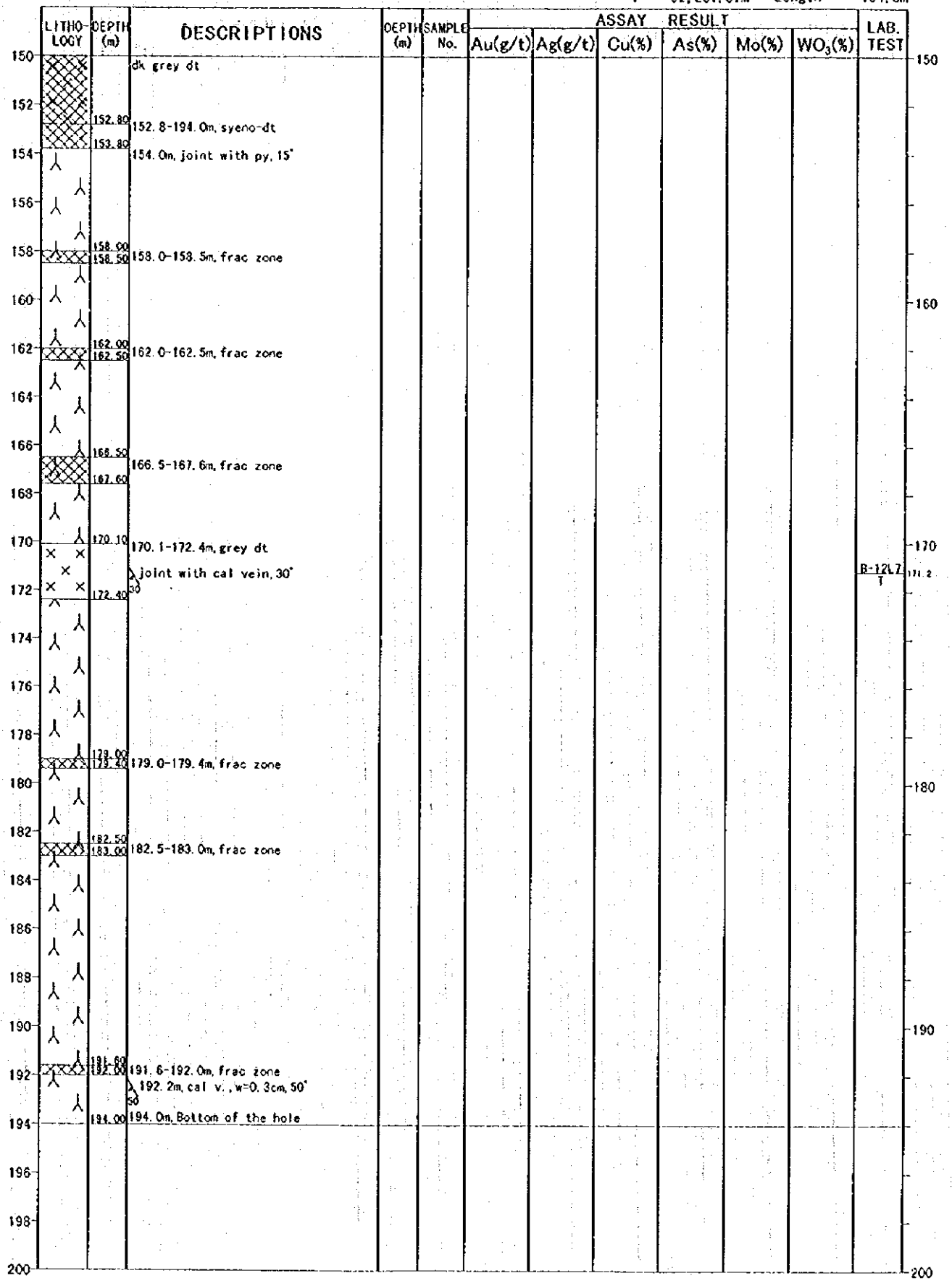
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
107.7								
	B-12029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
110.0								
	B-12030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
112.0								
	B-12031	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
114.0								
	B-12032	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
115.5								
	B-12033	0.3	< 1	0.01	< 0.01	< 0.01	< 0.01	
117.0								
	B-12034	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
118.0								
	B-12035	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
119.0								
	B-12036	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
120.0								
	B-12037	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
121.0								
	B-12038	0.2	< 1	0.01	< 0.01	< 0.01	< 0.01	
123.0								
135.0								
	B-12039	0.4	< 1	0.02	0.06	< 0.01	< 0.01	
136.0								
	B-12040	0.4	< 1	0.03	0.02	< 0.01	< 0.01	
137.0								
	B-12041	< 0.1	< 1	0.04	2.5	< 0.01	< 0.01	
138.0								
	B-12042	0.1	< 1	0.02	0.3	< 0.01	< 0.01	B-12L5 P, X
139.0								
	B-12043	< 0.1	< 1	0.01	2	< 0.01	< 0.01	
140.1								
	B-12044	< 0.1	< 1	0.01	0.14	< 0.01	< 0.01	
141.8								
	B-12045	0.1	< 1	< 0.01	0.14	< 0.01	< 0.01	B-12L6 P
143.0								
	B-12046	< 0.1	< 1	< 0.01	0.95	< 0.01	< 0.01	
144.0								
	B-12047	< 0.1	< 1	< 0.01	0.34	< 0.01	< 0.01	
145.0								
	B-12048	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
146.0								
	B-12049	< 0.1	< 1	< 0.01	0.06	< 0.01	< 0.01	
146.9								

GEOLOGIC CORE LOG OF MJUB-12 (4/4)

1/200

MJUB-12 (4/4) 150 m ~ 194 m

Level 243.38 m Direction S25°W
X 68,656.57m Inclination -80°
Y 92,261.07m Length 194.0m

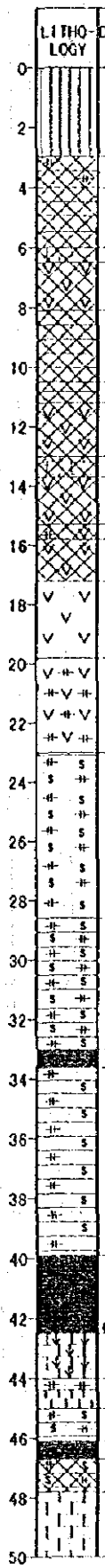


GEOLOGIC CORE LOG OF MJUB-13 (1/2)

1/200

MJUB-13 (1/2) 0 m ~ 50 m

Level 234.04m Direction S20°W
X 68,295.81m Inclination -80°
Y 93,132.81m Length 100.0m



DEPTH (m)	DESCRIPTIONS
0	0-2.5m, brownish grey sand with pebbles
2.5	2.5-4.0m, brownish grey storongly weatered silici ss with limo
4.0	4.0-6.0m, brownish grey weatered ss
6.0	6.0-6.5m, weathered ls with cal veinlets
6.5	
8.1	8.1-10.7m, dk grey ss with limo
10.7	10.7-11.2m, grey limey sl with cal & limo
11.2	11.0-13.0m, lmp with limo
13.0	13.0-13.7m, grey ls
13.7	13.7-19.8m, greenish grey lmp with limo
15.3	13.7-15.3m, frac zone
15.8	15.3-15.8m, greeinsh grey silici lmp with limo (25)
17.0	15.8-17.0m, frac zone
19.8	15.8-19.8m, greenish grey lmp
23.0	19.8-23.0m, silici lmp(?) with limo
28.6	23.0-23.1m, syeno-dt 23.1-28.6m, greenish grey silici & skarnized metaso qz, cal veinlets, py, limo (35)
33.0	28.6-39.5m, dk grey alt (ss>>sl) with py, qz, cal veinlets silici & partly skarnized (20)
33.6	33.0-33.6m, qz, cal v. with py
39.5	33.6-39.5m, dk grey alt (ss>>sl) with py, qz, cal (25)
42.5	39.5-42.5m, qz, cal v. brecciated 41.5m, fissure 25° (25) 42.5-44.0m, grey ls with cal v. (35) 42.6-42.9m, po 43.5-43.7m, po
44.0	44.0-44.5m, dk grey silici metaso
45.0	44.5-45.0m, qz v.
46.1	45.0-47.8m, silici alt (ss>>sl) with py
46.7	46.1-46.7m, qz (cal) v. with py
47.8	46.7-47.8m, frac zone
50	47.8-50.8m, grey ls with cal veinlets

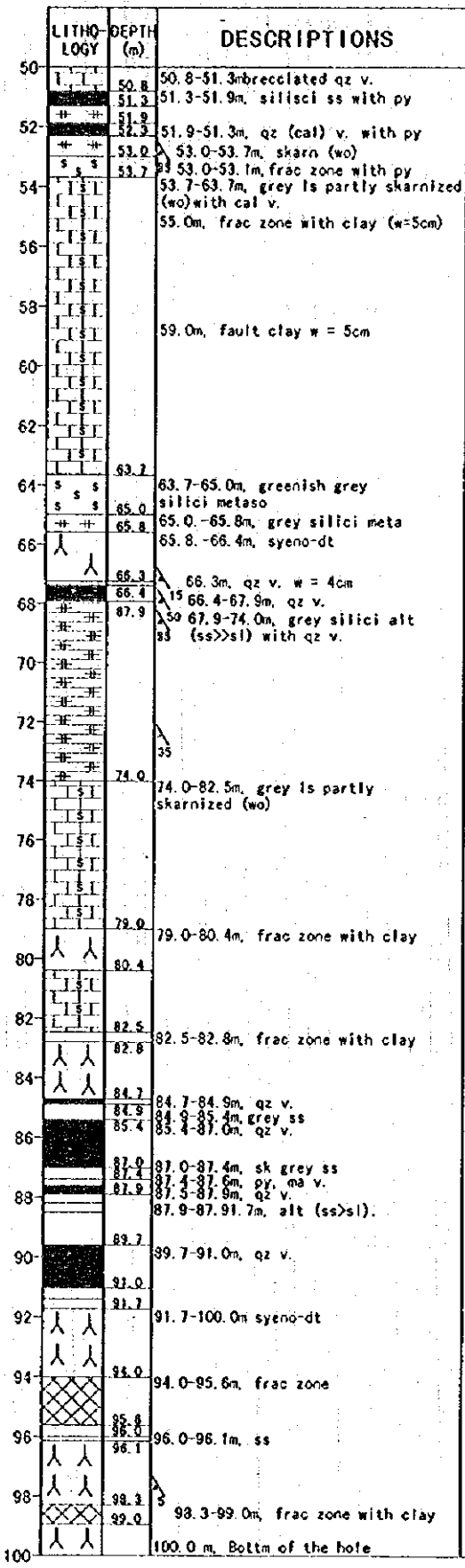
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
19.8	B-1301	0.5	< 1	0.02	< 0.01	< 0.01	< 0.01	
21.0	B-1302	0.2	< 1	0.03	< 0.01	< 0.01	< 0.01	
22.0	B-1303	< 0.1	1.8	0.02	< 0.01	< 0.01	< 0.01	
23.0	B-1304	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
25.0	B-1305	0.3	< 1	0.03	< 0.01	< 0.01	< 0.01	
27.0	B-1306	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
28.6	B-1307	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
30.0	B-1308	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
31.5	B-1309	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
33.0	B-13010	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
35.0	B-13011	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
37.0	B-13012	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
39.5	B-13013	2.8	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
40.5	B-13014	21	1.6	< 0.01	< 0.01	< 0.01	< 0.01	B-13L1 F, P
41.5	B-13015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
42.5	B-13016	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
44.0	B-13017	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
45.0	B-13018	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	B-13L2 X
46.1	B-13019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
47.8	B-13020	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
49.0	B-13021	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
50.0								

GEOLOGIC CORE LOG OF MJUB-13 (2/2)

1/200

MJUB-13 (2/2) 50 m ~ 100 m

Level 234.04m Direction S20°W
X 68,295.81m Inclination -80°
Y 93,132.81m Length 100.0m



DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
50.8	B-13022	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
52.3	B-13023	< 0.1	< 1	0.02	0.06	0.06	0.05	
53.7	B-13024	< 0.1	< 1	0.02	0.03	< 0.01	0.01	
63.7								
65.0	B-13025	< 0.1	< 1	< 0.01	0.04	< 0.01	< 0.01	
66.4	B-13026	< 0.1	2.8	< 0.01	< 0.01	< 0.01	< 0.01	
67.9	B-13027	< 0.1	< 1	< 0.01	0.03	< 0.01	0.01	
74.0								
75.5	B-13028	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
77.0	B-13029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
79.0	B-13030	< 0.1	< 1	< 0.01	0.02	< 0.01	< 0.01	
80.4	B-13031	0.3	< 1	< 0.01	0.02	< 0.01	< 0.01	B-13L4 X 80.5
82.8	B-13032	0.3	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
84.7	B-13033	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-13L5 Y 83.5
86.0	B-13034	< 0.1	< 1	< 0.01	0.03	< 0.01	< 0.01	
87.0	B-13035	0.1	< 1	< 0.01	0.03	< 0.01	< 0.01	
87.9	B-13036	0.1	< 1	0.02	0.02	< 0.01	0.01	B-13L6 P 87.5
89.7	B-13037	0.2	< 1	< 0.01	0.02	< 0.01	< 0.01	
91.0	B-13038	< 0.1	1.6	0.02	0.021	< 0.01	< 0.01	B-13L7 F 90

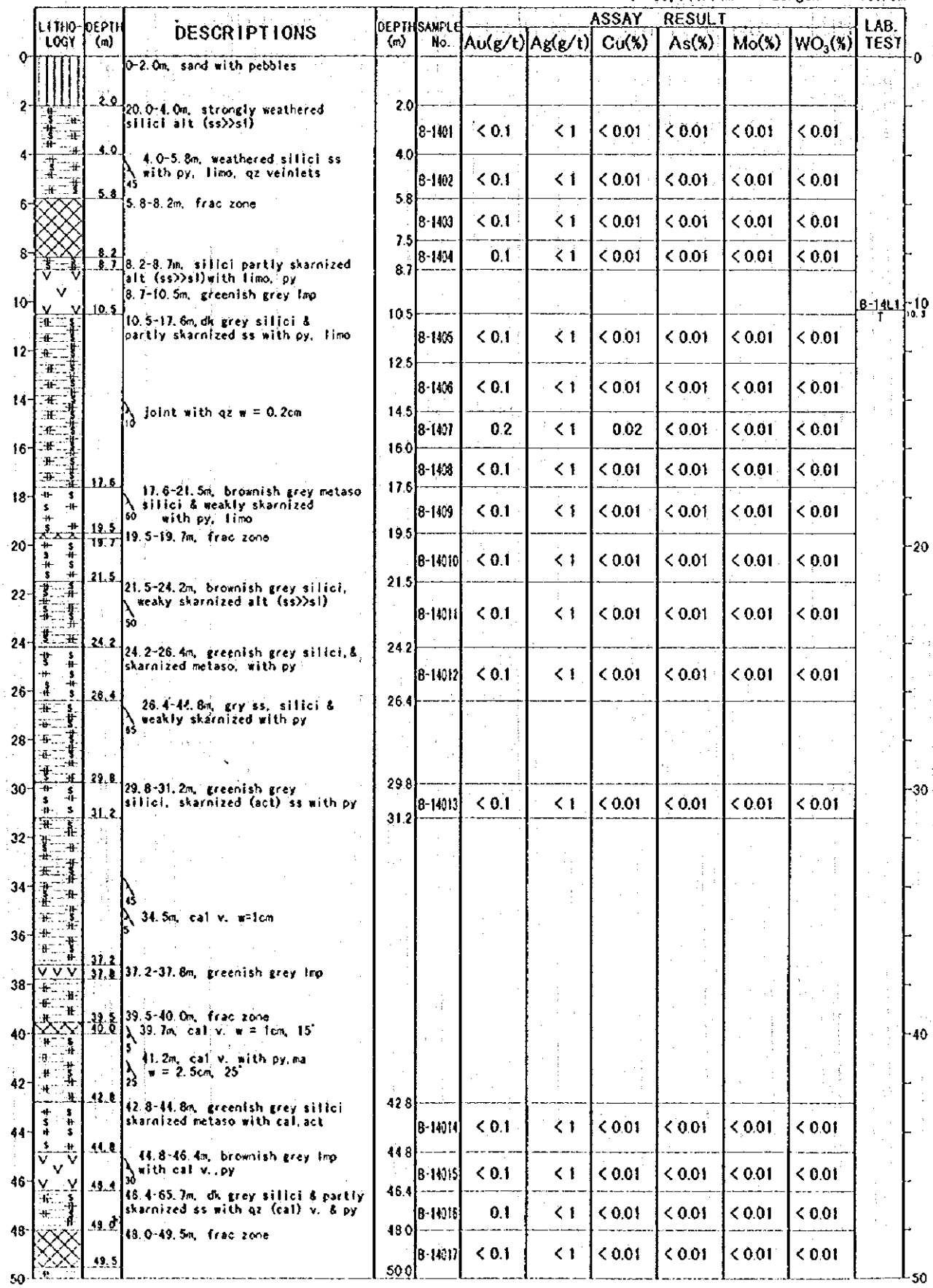
GEOLOGIC CORE LOG OF MJUB-14 (1/4)

1/200

MJUB-14 (1/4) 0 m ~ 50 m

Level 235.02m
X 68,332.39m
Y 93,144.74m

Direction S20°W
Inclination -80°
Length 161.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	2.0	0-2.0m, sand with pebbles
	4.0	2.0-4.0m, strongly weathered silici alt (ss>>sl)
	5.8	4.0-5.8m, weathered silici ss with py, limo, qz veinlets (45)
	8.2	5.8-8.2m, frac zone
	8.7	8.2-8.7m, silici partly skarnized alt (ss>>sl) with limo, py
	10.5	8.7-10.5m, greenish grey lmp
	17.6	10.5-17.6m, dk grey silici & partly skarnized ss with py, limo; joint with qz w = 0.2cm (10)
	19.5	17.6-21.5m, brownish grey metaso silici & weakly skarnized with py, limo (60)
	19.7	19.5-19.7m, frac zone
	21.5	21.5-24.2m, brownish grey silici, weaky skarnized alt (ss>>sl) (50)
	24.2	24.2-26.4m, greenish grey silici, & skarnized metaso, with py
	26.4	26.4-44.8m, gry ss, silici & weakly skarnized with py (65)
	29.8	29.8-31.2m, greenish grey silici, skarnized (act) ss with py
	31.2	(45) 34.5m, cal v. w=1cm (5)
	37.2	
	37.8	37.2-37.8m, greenish grey lmp
	39.5	39.5-40.0m, frac zone
	40.0	39.7m, cal v. w = 1cm, 15° (5); 41.2m, cal v. with py, ma w = 2.5cm, 25° (25)
	42.8	42.8-44.8m, greenish grey silici skarnized metaso with cal, act
	44.8	44.8-46.4m, brownish grey lmp with cal v., py (30)
	46.4	46.4-65.7m, dk grey silici & partly skarnized ss with qz (cal) v. & py
	49.0	48.0-49.5m, frac zone
	49.5	

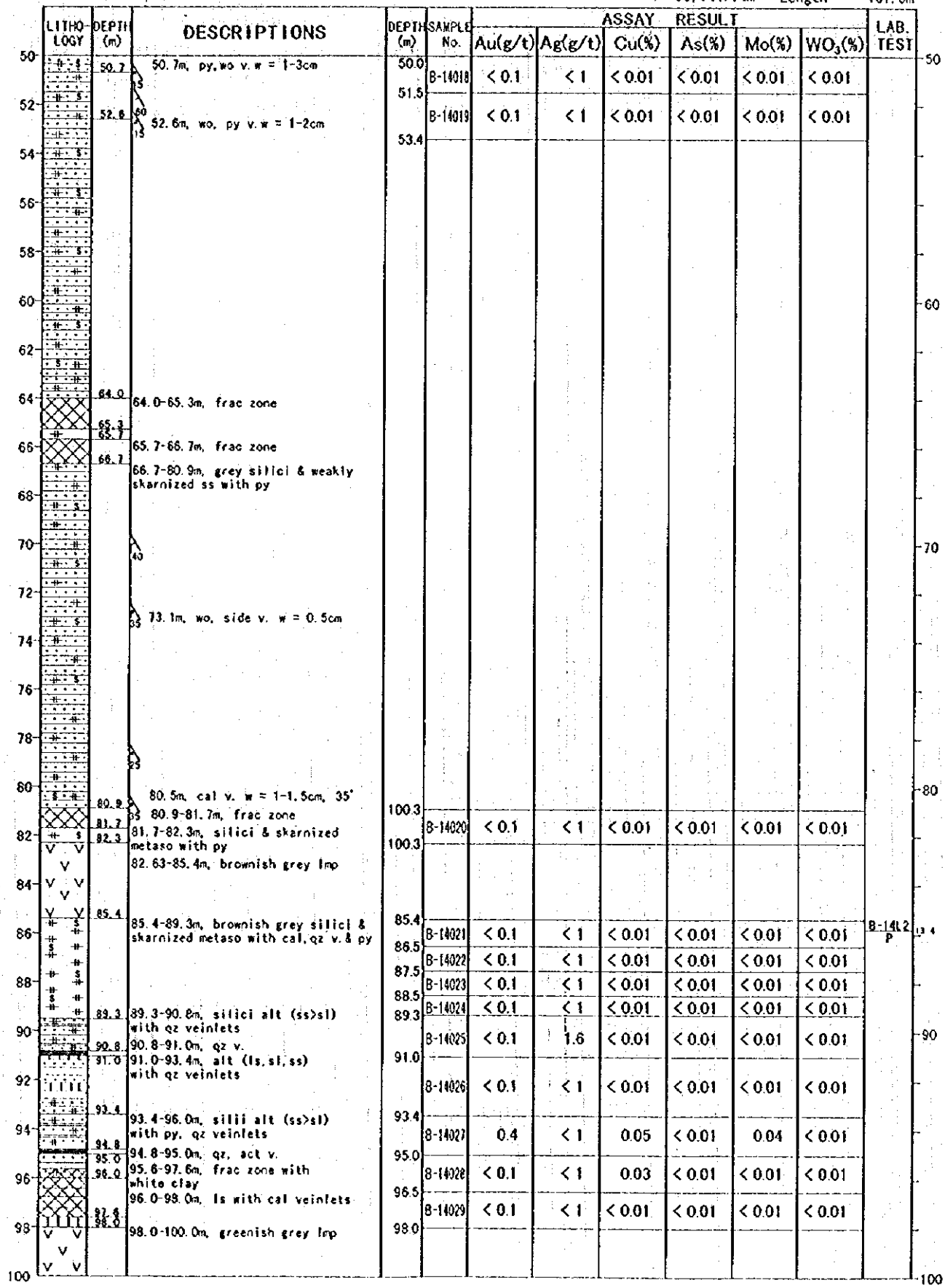
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
2.0	B-1401	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
4.0	B-1402	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
5.8	B-1403	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
7.5	B-1404	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
8.7								
10.5								B-14L1 T 10.5
	B-1405	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
12.5	B-1406	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
14.5	B-1407	0.2	< 1	0.02	< 0.01	< 0.01	< 0.01	
16.0	B-1408	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
17.6	B-1409	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
19.5	B-14010	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
21.5	B-14011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
24.2	B-14012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
26.4								
29.8	B-14013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
31.2								
42.8	B-14014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
44.8	B-14015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
46.4	B-14016	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
49.0	B-14017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
50.0								

GEOLOGIC CORE LOG OF MJUB-14 (2/4)

1/200

MJUB-14 (2/4) 50 m ~ 100 m

Level 235.02m Direction S20°W
X 68,332.39m Inclination -80°
Y 93,144.74m Length 161.0m



DEPTH (m)	SAMPLE No.	Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
50.0	B-14018	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
51.5	B-14019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
53.4								
100.3	B-14020	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
100.3								
85.4	B-14021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-14L2 P
86.5	B-14022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
87.5	B-14023	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
88.5	B-14024	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
89.3	B-14025	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
91.0	B-14026	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
93.4	B-14027	0.4	< 1	0.05	< 0.01	0.04	< 0.01	
95.0	B-14028	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
96.5	B-14029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
98.0								

GEOLOGIC CORE LOG OF MJUB-14 (3/4)

1/200

MJUB-14 (3/4) 100 m ~ 150 m

Level 235.02m Direction S20°W
X 68,332.39m Inclination -80°
Y 93,144.74m Length 161.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	100.4	100.0-102.8m, silici partly skarnized ss
	101.0	
	101.5	100.4-101.0m, frac zone
		101.5-102.5m, white skarn (wo, side)
	102.5	
	102.8	102.8-1.3.8m, qz v.
	103.8	
		10.3.8-104.9m, dk brownish grey skarn with abundant py
	104.9	
	105.5	104.9-105.5m, qz v. with py
		106.0m, fault clay w = 5cm
		105.5-111.6m, whitish grey ls partly skarnized alt (ss>sl) with py & qz veinlets
	108.4	
	109.1	108.4-109.1m, qz, wo v.
		110.1m, fault cly
	111.6	
		11.6-113.0m, grey silici & partly skarnized alt (ss>sl) with py & qz veinlets
	113.0	
	113.3	113.0-113.3m, qz v.
	114.6	
	114.9	114.6-114.9m, dk brownish grey skarn with abundant py
	116.0	
		116.0-119.3m, whitesh grey skarnized & frac ls with wo, white clay
	119.3	
		119.3-120.81m, greenish grey skarnized lmp with cal, side v.
	120.8	
		120.8-125.8m, whitish grey ls skarnized (wo)
		125.1m, cal side v. w = 2cm
	125.8	
		125.8-127.2m, cal side v.
	127.2	
		127.2-128.0m, grey ls with cal v.
	128.0	
	128.4	128.0-128.4m, clay v.
		128.4-136.5m, whitish grey silici metaso with py, qz veinlets
	132.0	
		132.0-132.05m, fault clay
		132.05-133.6m, greenish grey lmp with cal, wo veinlets
	133.6	
		135.5m, cal v. w = 2cm 60°
	136.5	
		136.5-137.6m, syeno-dt
	137.6	137.6-137.8m, cal side v.
	137.8	137.8-144.0m, whitesh grey skarnized ls (wo, diop, side)
	139.0	139.0-142.5m, frac zone
	142.5	
	144.0	144.0-156.7m, silici & weakly skarnized alt (ss>sl) with qz veinlets, py

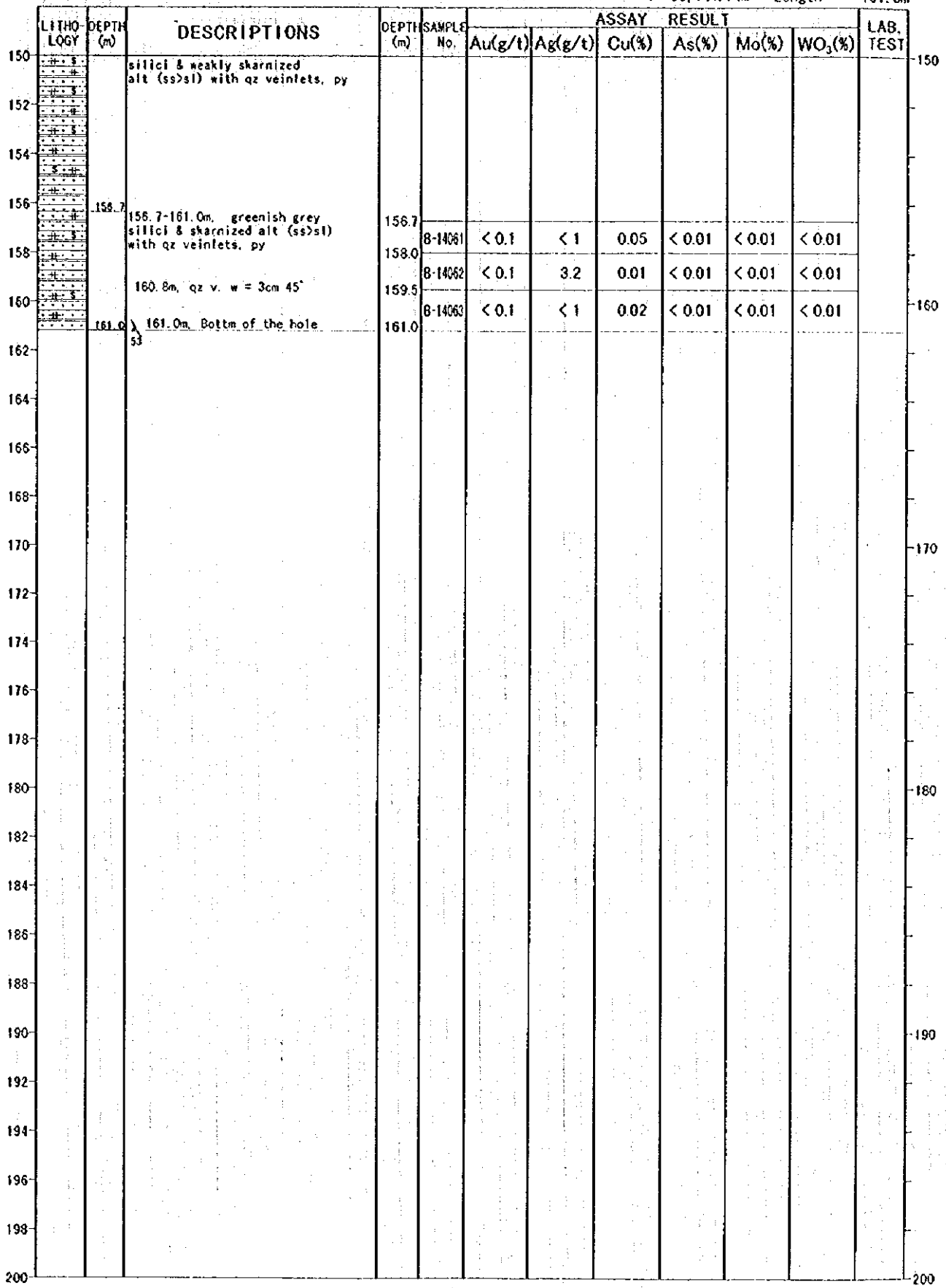
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
100.0	B-14030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
101.5	B-14031	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
102.5	B-14032	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
103.8	B-14033	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	8-14L4 X 104.2
104.9	B-14034	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	8-14L5 F 105.2
106.0	B-14035	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
108.0	B-14036	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
109.1	B-14037	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
111.1	B-14038	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
113.3	B-14039	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
114.6	B-14040	< 0.1	< 1	0.12	< 0.01	< 0.01	0.01	
116.0	B-14041	0.4	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
117.5	B-14042	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
119.3	B-14043	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
120.8	B-14044	< 0.1	2.8	< 0.01	< 0.01	< 0.01	< 0.01	
122.5	B-14045	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
124.0	B-14046	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
125.8	B-14047	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
127.2	B-14048	< 0.1	< 1	< 0.01	< 0.01	< 0.01	0.01	
128.4	B-14049	< 0.1	65.4	0.17	< 0.01	< 0.01	0.01	
130.0	B-14050	< 0.1	1.6	0.01	< 0.01	< 0.01	< 0.01	
132.0	B-14051	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
133.6	B-14052	< 0.1	1.8	0.02	< 0.01	< 0.01	< 0.01	
135.0	B-14053	< 0.1	2.8	0.01	< 0.01	< 0.01	< 0.01	
136.5	B-14054	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
137.6	B-14055	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
140.0	B-14056	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
142.0	B-14057	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	8-14L7 X 142.9
144.0	B-14058	< 0.1	2.8	0.04	< 0.01	< 0.01	< 0.01	
146.0	B-14059	< 0.1	1.8	0.03	< 0.01	< 0.01	< 0.01	
147.5	B-14060	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
149.0								

GEOLOGIC CORE LOG OF MJUB-14 (4/4)

1/200

MJUB-14 (4/4) 150 m ~ 161 m

Level 235.02m Direction S20°W
X 68,332.39m Inclination -80°
Y 93,144.74m Length 161.0m



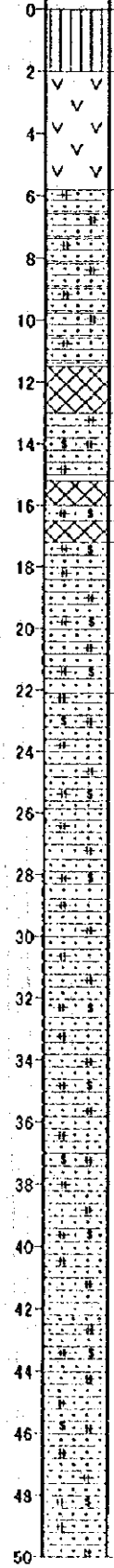
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		silici & weakly skarnized alt (ss>sl) with qz veinlets, py									
	158.7	156.7-161.0m, greenish grey silici & skarnized alt (ss>sl) with qz veinlets, py	156.7	B-14061	< 0.1	< 1	0.05	< 0.01	< 0.01	< 0.01	
			158.0	B-14062	< 0.1	3.2	0.01	< 0.01	< 0.01	< 0.01	
		160.8m, qz v. w = 3cm 45°	159.5	B-14063	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
	161.0	161.0m, Bottm of the hole	161.0								

GEOLOGIC CORE LOG OF MJUB-15 (1/3)

1/200

MJUB-15 (1/3) 0 m ~ 50 m

Level 239.44m Direction S20°W
X 68,591.46m Inclination -80°
Y 92,394.96m Length 102.0m



DEPTH (m)	DESCRIPTIONS
0	0-2.0m, sand with pebbles
2.0	2.0-5.8m, greenish grey weathered lmp with limo
4.7	4.7m, cal v. w = 1cm 20°
5.8	5.8-11.5m, grey weatherd silici alt (ss>sl)with cal, qz v. limo
9.5	9.5m, cal v. w = 0.2cm 30°
11.5	11.5-13.0m, frac zone
13.0	13.0-22.1m, grey silici weakly skarnized ss with qz, cal v.py, limo
15.2	15.2-16.0m, frac zone
16.0	
16.5	16.5-17.2m, frac zone
17.2	
22.1	22.1-101.0m, grey silici & weakly skarnized ss with py
25.9	25.9m, qz v. w = 3cm, 70°
29.2	29.2m, qz v. w = 0.5cm, 25°
35.1	35.1m, cal v. w = 0.7cm, 45°
37.0	37.0m, qz (py)l v. w = 2cm, 60°
42.5	42.5m, qz, cal v. w = 7cm, 60°
44.9	44.9m, cal v. w = 5cm,
49.0	49.0m, qz (py) v. w = 3cm,

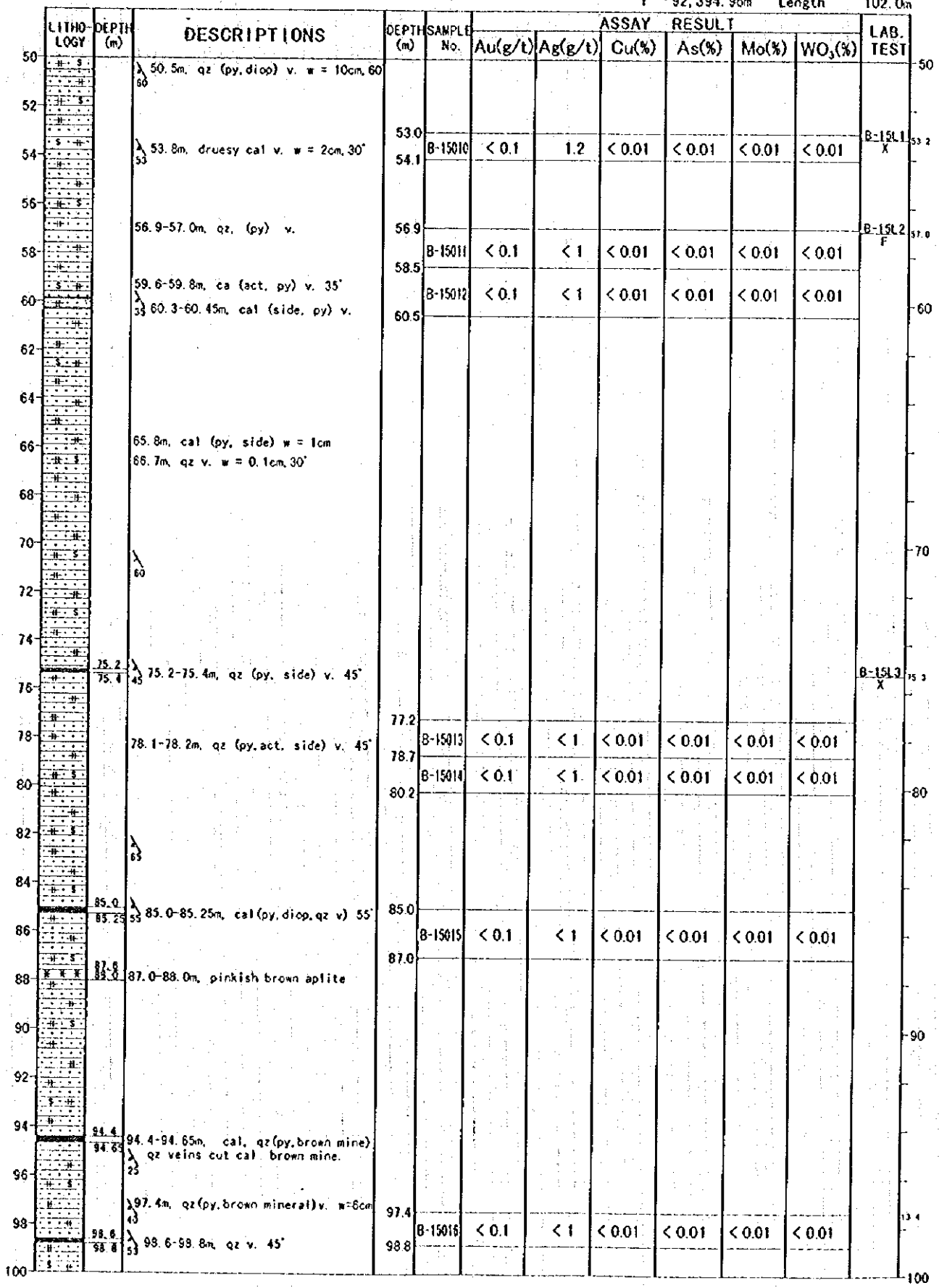
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
5.8	B-1501	< 0.1	4.8	< 0.01	< 0.01	< 0.01	0.01	
8.0	B-1502	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
10.0	B-1503	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
11.5	B-1504	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
13.0	B-1505	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
15.2	B-1506	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
17.2	B-1507	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
19.0	B-1508	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
20.5	B-1509	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
22.1								

GEOLOGIC CORE LOG OF MJUB-15 (2/3)

1/200

MJUB-15 (2/3) 50 m ~ 100 m

Level 239.44m Direction S20°W
X 68,591.46m Inclination -80°
Y 92,394.96m Length 102.0m



DEPTH (m)	DESCRIPTIONS
50.5	50.5m, qz (py, diop) v. w = 10cm, 60
53.8	53.8m, druesy cal v. w = 2cm, 30°
56.9	56.9-57.0m, qz, (py) v.
59.6	59.6-59.8m, ca (act, py) v. 35°
60.3	60.3-60.45m, cal (side, py) v.
65.8	65.8m, cal (py, side) w = 1cm
66.7	66.7m, qz v. w = 0.1cm, 30°
75.2	75.2-75.4m, qz (py, side) v. 45°
78.1	78.1-78.2m, qz (py, act, side) v. 45°
85.0	85.0-85.25m, cal (py, diop, qz v) 55°
87.6	87.0-88.0m, pinkish brown aplite
94.4	94.4-94.65m, cal, qz (py, brown mine) qz veins cut cal brown mine.
97.4	97.4m, qz (py, brown mineral) v. w=6cm
98.6	98.6-99.8m, qz v. 45°

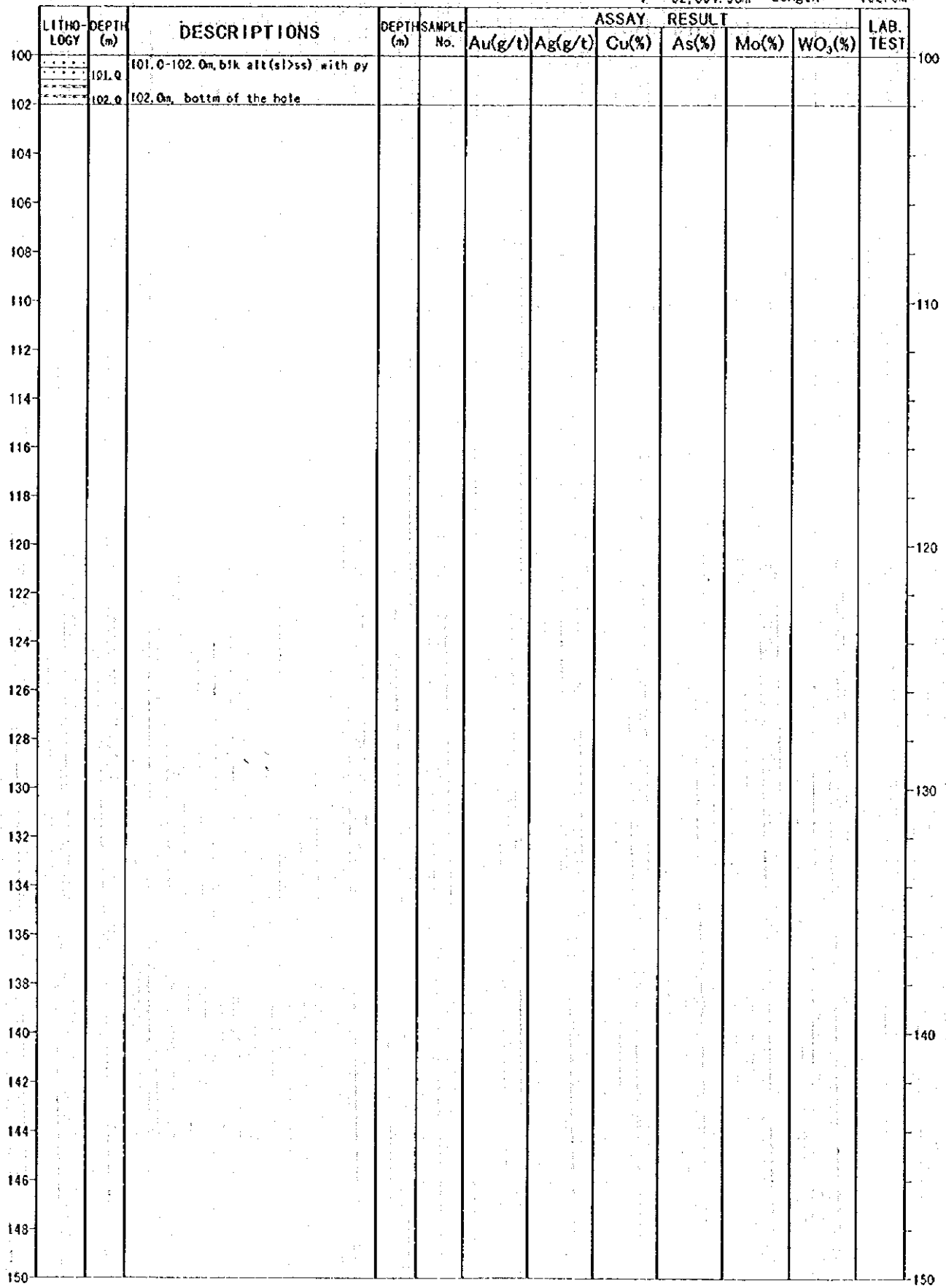
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
53.0	B-15010	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	B-15L1 X
54.1								
56.9	B-15011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-15L2 F
58.5	B-15012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
60.5								
77.2	B-15013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
78.7	B-15014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
80.2								
85.0	B-15015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-15L3 X
87.0								
97.4	B-15016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
98.8								

GEOLOGIC CORE LOG OF MJUB-15 (3/3)

1/200

MJUB-15 (3/3) 100 m ~ 102 m

Level 239.44m Direction S20°W
X 68,591.46m Inclination -80°
Y 92,394.96m Length 102.0m

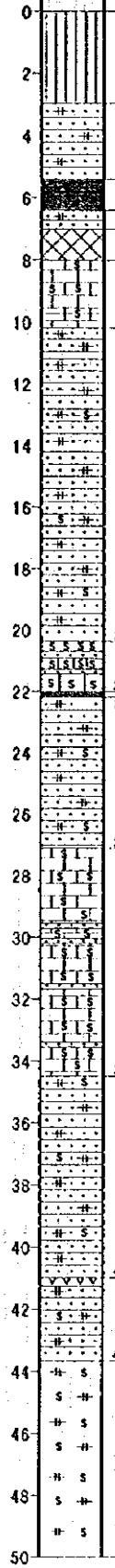


GEOLOGIC CORE LOG OF MJUB-16 (1/4)

1/200

MJUB-16 (1/4) 0 m ~ 50 m

Level 242.56m Direction S20°W
X 68,633.00m Inclination -80°
Y 92,403.84m Length 151.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	0	0-3.0m, sand with pebbles
	3.0	3.0-5.4m, weathered silici brownish grey ss with limo
	5.4	5.4-6.4m, qz (cal) v.
	6.4	6.4-7.0m, weathered silici brownish grey ss with limo
	7.0	7.0-8.0m, frac zone
	8.0	8.0-10.2m, grey-greenish yellow skarnized with qz, cal v., py
	10.2	10.2-20.4m, brownish grey silici & paartly skarnized with qz, cal v, py
		10
		11.2m, qzv. w = 3cm 10°
		14.2m, qz v. w = 5cm
	20.4	45
		20.4-22.0m, alt (skarnized ls>ss) with cal veinlets, limo
	22.0	22.0-22.2m, qz v.
	22.2	22.2-27.1m, silici & weakly skarnized ss with py, limo
		40
	27.1	27.1-34.5m, grey-whitesh grey ls skarnized (wo, diop), with cal veinlets, inter bedded ss
	34.5	34.5-43.7m, dk grey silici & weakly skarnized ss with py
		39.6-40.8m, cal veinlets
	41.0	41.0-41.2m, dk greenish grey skarnized lmp
		25
	43.7	43.7-50.2m, greenish grey silici skarnized metaso with qz, py

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
3.0	B-16001	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
5.4	B-16002	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-16L1 F 5.8
6.4	B-16003	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
8.0	B-16004	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
9.0	B-16005	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
10.2	B-16006	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
12.0	B-16007	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
14.0	B-16008	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
16.0	B-16009	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
18.0	B-16010	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
20.4	B-16011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
22.2	B-16012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
24.0	B-16013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
25.5	B-16014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
27.1	B-16015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-16L2 X 27.3
29.0	B-16016	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
31.0	B-16017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
33.0	B-16018	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
34.5								
39.6	B-16019	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
40.8								
43.7	B-16020	0.3	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
45.0	B-16021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
46.5	B-16022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
48.0	B-16023	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-16L4 T, K 49.0

GEOLOGIC CORE LOG OF MJUB-16 (2/4)

1/200

MJUB-16 (2/4) 50 m ~ 100 m

Level 242.56m Direction S20°W
X 68,633.00m Inclination -80°
Y 92,403.84m Length 151.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	50.2	50.2-51.2m, greenish grey silicci & weakly skarnized ss with py
	51.2	
	52.1	
	52.3	51.2-51.3m weakly skarnized ls
	58.4	58.4-59.2m, pinkish grey ap
	59.2	59.1-61.0m, greenish grey silici & skarnized metaso
	60.0	
	60.9	60.0-60.9m, pinkish grey ap
		61.1-61.3m, pinkish grey ap
		60.9-68.3m, greenish grey silici. & weakly skarnized ss with py
	68.3	
	69.4	68.3-69.4m, greenish grey silici & sskaarnized metaso qz, py
		69.4-79.5m, greenish grey silici & weakly skaarnized ss
		75.5m, cal v. w = 3cm 15°
	79.5	79.5-87.8m, greenish grey silici skarnized ss with cal, qz, side v, & py
		82.9m, qz (cal) v. w = 4cm 40°
	85.3	
	85.9	
		87.0-87.2m, frac zone
	87.8	87.5-87.8m, frac zone
	88.6	87.8-88.6m, qz (cal, side), py v.
		88.6-112.4m, dk grey silici weakly skarnized, hornfels with py
		89.9m, qz v. w = 3cm 25°
	94.5	94.5-95.3m, frac zone with clay
	95.3	

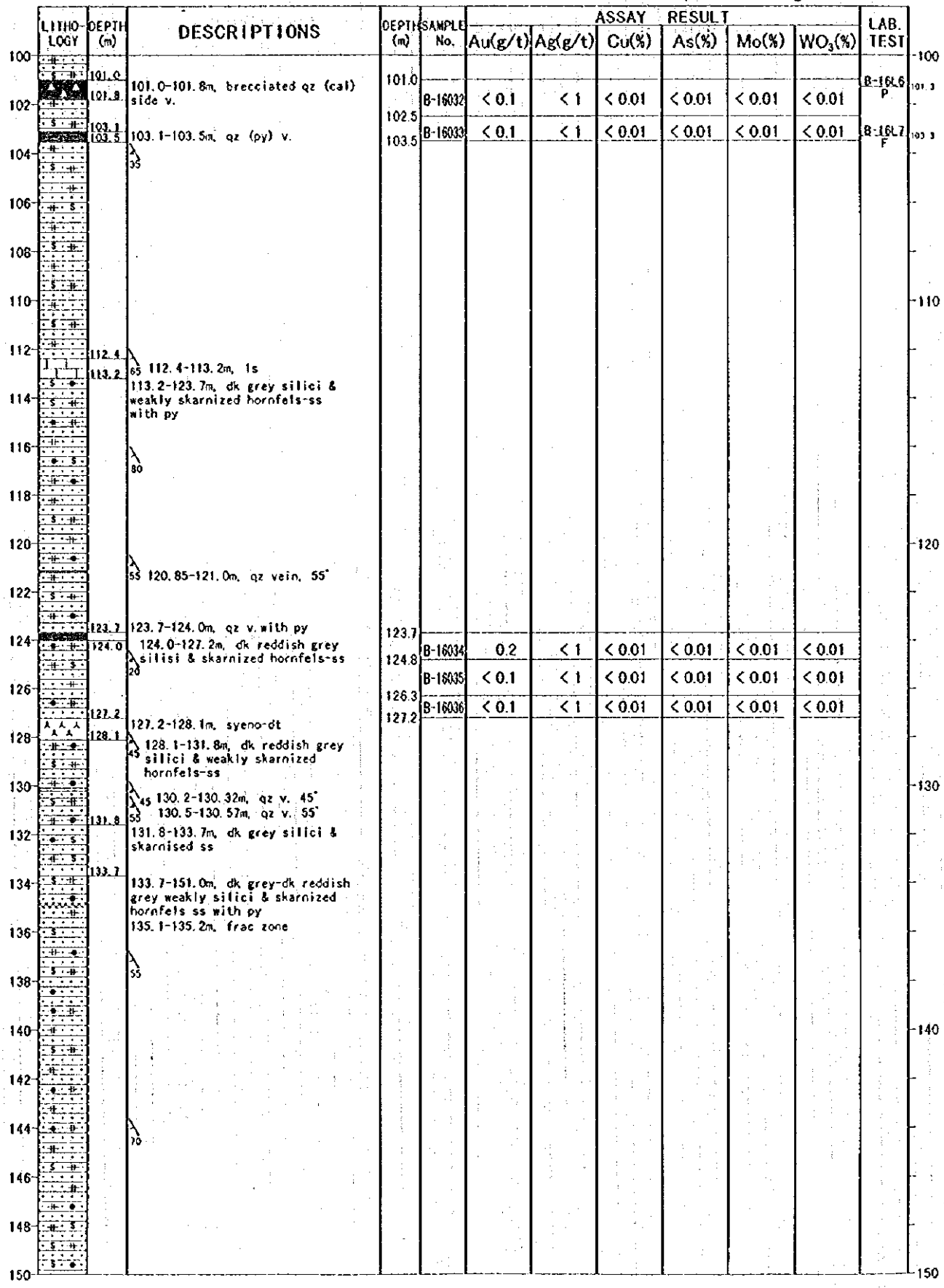
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
50.1								
68.3	B-16024	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
69.4								
79.5	B-16025	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
81.0	B-16026	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
82.5	B-16027	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
84.0	B-16028	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
85.3	B-16029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
86.5	B-16030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
87.8	B-16031	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
88.6								

GEOLOGIC CORE LOG OF MJUB-16 (3/4)

1/200

MJUB-16 (3/4) 100 m ~ 150 m

Level 242.56m Direction S20°W
X 68,633.00m Inclination -80°
Y 92,403.84m Length 151.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	101.0	
	101.8	101.0-101.8m, brecciated qz (cal) side v.
	103.1	
	103.5	103.1-103.5m, qz (py) v.
		35
	112.4	
	113.2	65 112.4-113.2m, ls
		113.2-123.7m, dk grey silici & weakly skarnized hornfels-ss with py
		80
		55 120.85-121.0m, qz vein, 55°
	123.7	123.7-124.0m, qz v. with py
	124.0	124.0-127.2m, dk reddish grey silisi & skarnized hornfels-ss
		20
	127.2	
	128.1	127.2-128.1m, syeno-dt
		128.1-131.8m, dk reddish grey silici & weakly skarnized hornfels-ss
		45
		45 130.2-130.32m, qz v. 45°
		55 130.5-130.57m, qz v. 55°
	131.8	131.8-133.7m, dk grey silici & skarnised ss
	133.7	
		133.7-151.0m, dk grey-dk reddish grey weakly silici & skarnized hornfels ss with py
		135.1-135.2m, frac zone
		55
		70

DEPTH (m)	SAMPLE No.	Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
101.0								
	B-16032	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-16L6 P
102.5								
103.5	B-16033	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-16L7 F
123.7								
124.8	B-16034	0.2	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	B-16035	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
126.3								
127.2	B-16036	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	

GEOLOGIC CORE LOG OF MJUB-16 (4/4)

1/200

Level 242.56m Direction S20°W
X 68,633.00m Inclination -80°
Y 92,403.84m Length 151.0m

MJUB-16 (4/4) 150 m ~ 151 m

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	150	150.9-151.0m, cal v., 85°									
	151.0	bottm of the hole									

150 152 154 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 186 188 190 192 194 196 198 200

GEOLOGIC CORE LOG OF MJUB-17 (1/2)

1/200

MJUB-17 (1/2) 0 m ~ 50 m

Level 233.68 m Direction S35°W
X 68,372.88 m Inclination -80°
Y 92,828.53 m Length 100.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	0	0-3.0m, sand with pebbles
	3.0	3.0-11.1m, brownish grey strongly weathered silici ss with limo
	11.1	11.1-19.6m, brownish grey weathered silisi.metaso with limo
	19.6	19.6-19.8m, gry ls with cal v.
	19.8	19.8-23.4m, greenish grey lmp with limo, cal
	23.4	23.4-24.0m, frac zone with clay
	24.0	24.0-25.0m, lmp with cal veinlets
	25.0	25.0-25.5m, frac. zone with clay
	25.5	25.5-25.7m, cal, v. with py
	25.7	25.7-26.4m, fault clay
	26.4	26.4-30.5m, dk grey ss with cal, py
	30.5	30.5-31.0m, dk grey sikici ss with abundant cal, qz, py
	31.0	
	32.1	
	32.8	32.8-35.5m, whitish grey qzite with py
	34.5	34.5-35.5m, greenish grey skarnized qzite with hed, act, diop, rhodo
	35.5	35.5-38.7m, dk grey ss with qz, py
	38.7	38.7-44.8m, grey ls partly skarnized (wo)
	44.8	44.8-45.6m, whitesh grey qzite
	45.6	45.6-46.2m, dk grey silici ss
	46.2	46.2-46.9m, skarnized ls with hed
	46.9	46.9-49.7m, dk grey silici & skarnized ss with py
	49.6	48.8-49.3m, greenish grey lmp
	49.3	49.7-49.9m, greenish grey lmp
	49.9	49.9-50.4m, green skarn with py

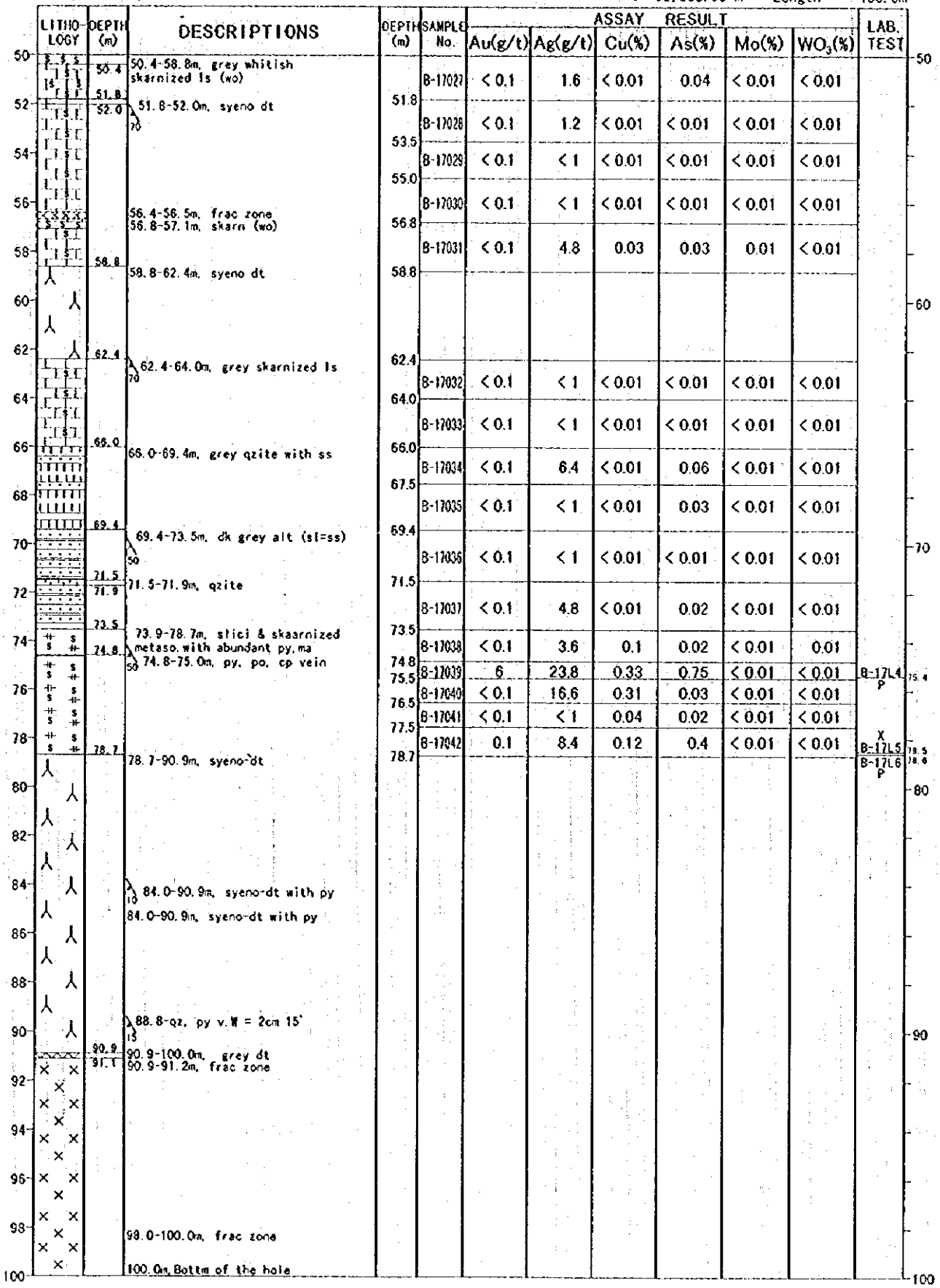
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
4.0	B-17011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
6.0	B-17012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
8.0	B-17013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
10.0	B-17014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
12.0	B-17015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
14.0	B-17016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
16.0	B-17017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
18.0	B-17018	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
19.8								B-17L2
23.4	B-17019	0.6	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
25.0	B-17020	2	< 1	0.03	0.04	< 0.01	< 0.01	
26.4	B-17021	0.1	< 1	0.01	0.04	< 0.01	< 0.01	
28.0	B-17022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
29.5	B-17023	< 0.1	< 1	< 0.01	0.04	< 0.01	< 0.01	
30.5	B-17024	0.4	8.4	0.05	0.2	< 0.01	< 0.01	
31.5	B-17025	< 0.1	< 1	< 0.01	0.08	< 0.01	< 0.01	
32.8	B-17026	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
34.5	B-17027	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-17L3
35.5	B-17028	< 0.1	6	< 0.01	< 0.01	< 0.01	< 0.01	
37.0	B-17029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
38.7	B-17030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
41.0	B-17031	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
43.0	B-17032	< 0.1	< 1	< 0.01	0.02	< 0.01	< 0.01	
44.8	B-17033	0.2	< 1	0.15	< 0.01	0.01	< 0.01	
46.2	B-17034	< 0.1	4.4	< 0.01	0.02	< 0.01	< 0.01	
46.9	B-17035	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
48.5	B-17036	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
49.9								

GEOLOGIC CORE LOG OF MJUB-17 (2/2)

1/200

MJUB-17 (2/2) 50 m ~ 100 m

Level 233.68 m Direction S35°W
X 68,372.88 m Inclination -80°
Y 92,828.53 m Length 100.0m



DEPTH (m)	SAMPLE No.	Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		ASSAY RESULT						
51.8	B-17027	< 0.1	1.6	< 0.01	0.04	< 0.01	< 0.01	
53.5	B-17028	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
55.0	B-17029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
56.8	B-17030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
58.8	B-17031	< 0.1	4.8	0.03	0.03	0.01	< 0.01	
62.4	B-17032	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
64.0	B-17033	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
66.0	B-17034	< 0.1	6.4	< 0.01	0.06	< 0.01	< 0.01	
67.5	B-17035	< 0.1	< 1	< 0.01	0.03	< 0.01	< 0.01	
69.4	B-17036	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
71.5	B-17037	< 0.1	4.8	< 0.01	0.02	< 0.01	< 0.01	
73.5	B-17038	< 0.1	3.6	0.1	0.02	< 0.01	0.01	
74.8	B-17039	6	23.8	0.33	0.75	< 0.01	< 0.01	B-17L4 P
75.5	B-17040	< 0.1	16.6	0.31	0.03	< 0.01	< 0.01	
76.5	B-17041	< 0.1	< 1	0.04	0.02	< 0.01	< 0.01	
77.5	B-17042	0.1	8.4	0.12	0.4	< 0.01	< 0.01	X B-17L5 P, B-17L6 P
78.7								

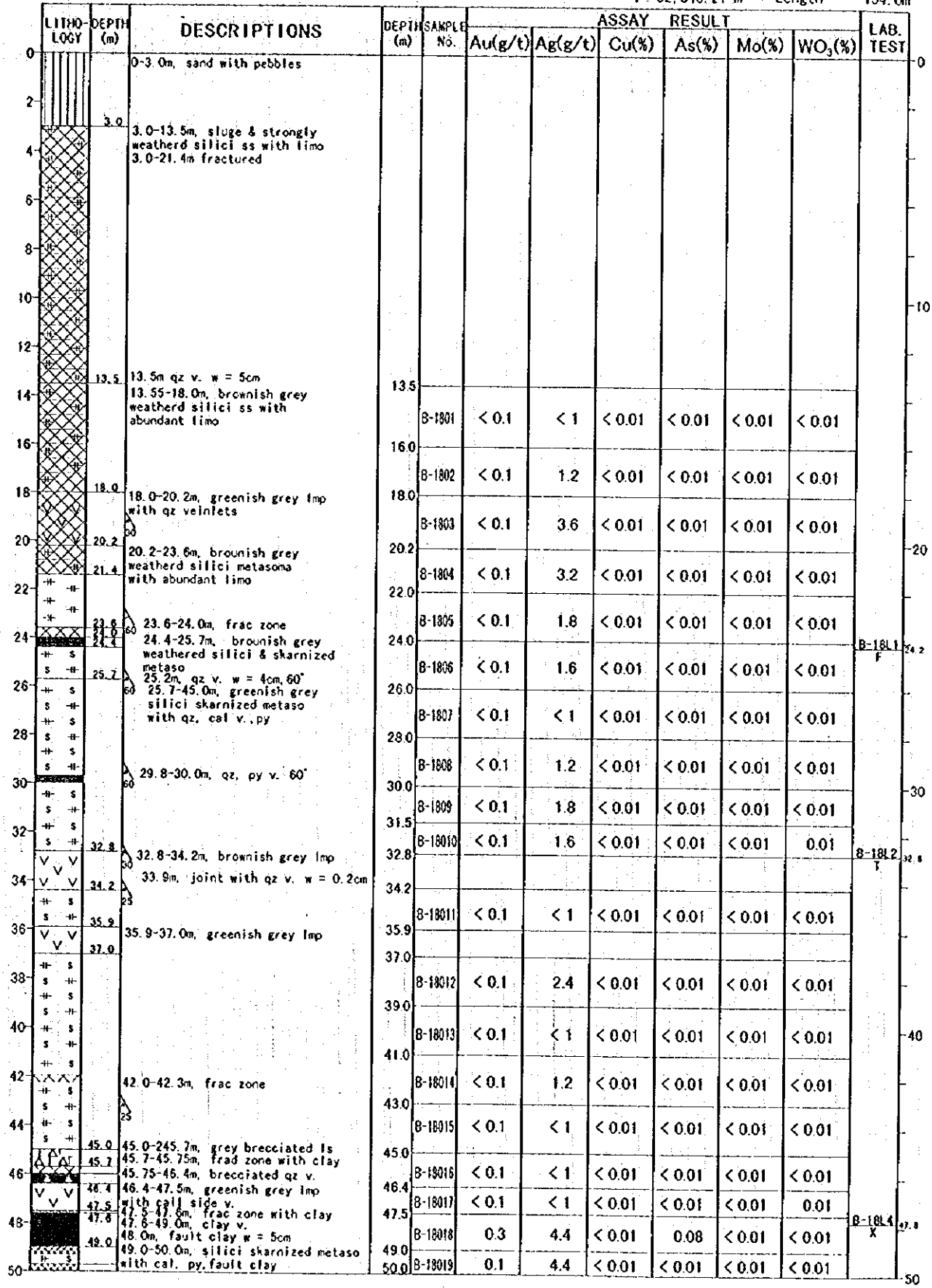
GEOLOGIC CORE LOG OF MJUB-18 (1/4)

1/200

MJUB-18 (1/4) 0 m ~ 50 m

Level 233.17 m
X 68,395.26 m
Y 92,848.21 m

Direction S35°W
Inclination -80°
Length 154.0m



DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
13.5								
	B-18011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
16.0	B-18012	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
18.0	B-18013	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
20.2	B-18014	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
22.0	B-18015	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
24.0	B-18016	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	B-18L1 F 24.2
26.0	B-18017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
28.0	B-18018	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
30.0	B-18019	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
31.5	B-18010	< 0.1	1.6	< 0.01	< 0.01	< 0.01	0.01	B-18L2 T 32.8
32.8								
34.2	B-18011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
35.9								
37.0	B-18012	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
39.0	B-18013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
41.0	B-18014	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
43.0	B-18015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
45.0	B-18016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
46.4	B-18017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	0.01	
47.5	B-18018	0.3	4.4	< 0.01	0.08	< 0.01	< 0.01	B-18L4 X 47.8
49.0	B-18019	0.1	4.4	< 0.01	< 0.01	< 0.01	< 0.01	
50.0								

GEOLOGIC CORE LOG OF MJUB-18 (2/4)

1/200

MJUB-18 (2/4) 50 m ~ 100 m

Level 233.17 m
X 68,395.26 m
Y 92,848.21 m

Direction S35°W
Inclination -80°
Length 154.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	51.1	50.0-51.1m, dk greenish grey dt with cal veinlets, py, fault clay
	51.7	51.1-51.7m, frac zone with fault clay
	52.0	51.7-52.0m, str. silici, metaso with qz v.
	52.2	52.0-52.2m, qz (cal)v.
		52.2-55.0m, dk grey dt.
	54.5	52.2-54.5m, frac zone
	55.0	55.0-56.0m, frac zone with fault clay
	55.9	56.0-63.4m, pinkish grey syeno dt
	56.5	56.0-56.5m, frac zone
	57.0	
	57.6	57.0-57.6m, frac zone
	60.0	
	60.7	60.0-60.7m, frac zone
	61.4	
	61.8	61.4-61.8m, frac zone
	63.0	
	63.4	63.0-63.4m, frac zone
	63.7	63.7-65.0m, grey dt with qz v. 40
	65.0	
	65.6	65.0-65.6m, syano-dt with cal v.
	66.3	65.6-66.3m, frac zone with clay
		66.3-70.6m, grey silici alt (ss>>sk) with qz veinlets, py
	68.7	
	69.0	68.7-69.0m, frac zone with clay
	69.5	69.0-69.5m, dqz, cp, py v.
	70.35	70.1-70.35m, qz (py) v.
	70.6	70.6-77.1m, grey ls, partly skarnized with wo, white clay
	72.4	
	73.0	72.4-73.0m, syeno dt
	74.0	
	74.3	74.0-74.3m, syeno dt 50
	77.1	77.1-92.9m, greenish grey skarnized dt with cal veinlets 40
	80.5	
	80.7	80.5-80.7m, frac zone
	81.0	80.1-80.7m, qz v. 25
	88.8	86.8-88.6m, whitish grey skarnized ls (wo)
	88.6	
		89.5m, syano-dt dyke w = 1cm 60 35 50
		91.7m, cal v. w = 3cm 35 35
	92.9	92.9-97.2m, pinkish grey-greenish grey syeno-dt
		94.9-95.0m, silici ss 40
	97.2	
	98.0	97.2-98.0m, qz v.
		98.0-100.1m, blk sl with py

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
50.0								
51.1	B-18020	0.1	4.4	< 0.01	< 0.01	< 0.01	< 0.01	
	B-18021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
52.2	B-18022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
53.0	B-18023	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
55.0								
66.3	B-18024	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
67.5	B-18025	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	X B-18L5
69.0	B-18026	9.8	72.8	3.5	0.45	< 0.01	0.02	B-18L6 P
69.5	B-18027	0.1	4.8	< 0.01	0.02	< 0.01	< 0.01	B-18L7 F
70.6	B-18028	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
72.4	B-18029	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
74.0								
								B-18L8 T
86.8	B-18030	0.1	4.8	< 0.01	< 0.01	< 0.01	< 0.01	
88.6								
97.2	B-18031	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
98.0								

GEOLOGIC CORE LOG OF MJUB-18 (3/4)

1/200

MJUB-18 (3/4) 100 m ~ 110 m

Level 233.12 m Direction s 35°w
X 68,395.26 m Inclination -80°
Y 92,848.21 m Length 154.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
s	100.1	100.1-100.2m, greenish grey silici & skarnized metaso with py
	101.6	101.6-101.8m, qz v.
		102.0-102.2m, frac zone
	103.0	102.4-103.0m, str. silici metaso with druesy qz
		103.0-109.9m, whitesh grey ls with skarn (wo) sulphide v.
		108.1-1068.2m, py, ma, po v.
		108.4-108.5m, py, ma, v.
	109.9	109.9-110.5m, grey dt
	110.5	110.5-113.0m, greenish grey syeno-dt
	113.0	113.0-154.0m, pinkish grey syeno-dt
		119.2m, qz v. w = 0.2cm
		124.7m, qz (py) v. w = 4cm
		joint 45°
	132.6	132.6-133.0m, frac zone
	133.0	
	135.8	qz v. w = 0.2cm
		joint

DEPTH (m)	SAMPLE No.	Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
100.1	B-18032	< 0.1	1.8	0.02	< 0.01	0.01	0.04	
101.6	B-18033	< 0.1	< 1	< 0.01	< 0.01	0.01	< 0.01	
103.0	B-18034	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
105.0	B-18035	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
106.5	B-18036	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
108.0	B-18037	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-18L9 P
109.0	B-18038	< 0.1	2.8	< 0.01	< 0.01	< 0.01	< 0.01	
109.9								

GEOLOGIC CORE LOG OF MJUB-18 (4/4)

1/200

MJUB-18 (4/4) 150 m ~ 154m

Level 233.17 m Direction S35°W
X 68,395.26 m Inclination -80°
Y 92,848.21 m Length 154.0m

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	150	pinkish grey syeno-dt									
	154.0	154.0m, Bottm of the hole									

150 152 154 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 186 188 190 192 194 196 198 200

GEOLOGIC CORE LOG OF MJUB-19 (1/3)

1/200

MJUB-19 (1 / 3) 0 m ~ 50 m

Level 235.05 m Direction S20°W
X 68,339.69 m Inclination -80°
Y 93,010.41 m Length 150.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		0-3.0m, sand with pebbles									
	3.0	3.0-9.4m, brownish grey silici & skarnized alt (ss>>sl) with limo	3.0	B-1901	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			5.0	B-1902	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			7.0	B-1903	< 0.1	1.8	0.01	< 0.01	< 0.01	< 0.01	
	9.4	9.4-10.8m whitish grey partly skarnized ls with limo	9.4	B-1904	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	10.8	10.8-12.8m, greenish grey fractured silici & skarnized alt (ss>>sl) with limo	10.8	B-1905	< 0.1	6.4	< 0.01	< 0.01	< 0.01	< 0.01	
	12.8	12.8-14.0m, whitesh grey partly skarnized ls	12.8	B-1906	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	14.0	14.0-18.5m, silici & skarnized hornfels ss with qz veinlets py	14.0	B-1907	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
			15.5	B-1908	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			17.0	B-1909	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	18.5	18.5-22.5m, greenish dk grey silici & skarnized hornfels ss with py, limo	18.5								
	22.5	22.5-24.0m, pinkish grey corse syeno-dt with limo (10)									
	24.0	24.0-35.8m, dk grey-greenish grey silici & skarnized hornfels ss with py	24.0	B-19010	< 0.1	< 1	< 0.01	< 0.01	< 0.01	0.05	
			26.0	B-19011	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		(85)	27.7								B-19L1 X 27.4
	35.8	35.8-43.4m, dk grey weakly silici & skarnized alt (ss>sl) with qz veinlets & py									
	43.4	43.4-47.5m, greenish dk grey silici & skarnized hornfels ss with py									
	47.5	47.5-48.9m, pinkish grey syeno-dt									
	48.9	48.9-50.7m, greenish grey slici & skarnized ss wfith py									

GEOLOGIC CORE LOG OF MJUB-19 (2/3)

1/200

MJUB-19 (2/3) 50 m ~ 100 m

Level 235.05 m Direction S20°W
X 68,339.69 m Inclination -80°
Y 93,010.41 m Length 150.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	50.7	50.7-51.8m, greenish dk grey silici skarnized metaso wo with py & qz									
	51.8	51.3m, qz v. w = 6cm, 10°									
		51.8-55.0m, plinkish grey syeno-dt									
		53.7m, joint with py, 55°									
	55.0										
	58.3	58.3-60.1m, pinkish grey crs syeno-dt									
	60.1	60.1-62.0m, greenish grey-dk grey silici & weakly skarnized metaso with network qz, py	60.1								
	61.0			B-19012	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	B-19L2 P
	62.0	61.0-61.4m, greenish grey lmp	62.0	B-19013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		62.0-68.8m, grey silici & weakly skarnized qzite with network qz, py	63.3	B-19014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			65.0	B-19015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		67.0-569.0m, y frac. zone	67	B-19016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	68.8	68.8-70.5m, dk grey lmp	68.8	B-19017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	70.5	70.5-73.7m, dk grey silici weakly skarnized metasoma network qz, py	70.5	B-19018	< 0.1	2.8	< 0.01	< 0.01	< 0.01	< 0.01	
			72.0	B-19019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	73.5	73.5-80.5m, dk grey lmp	73.5								
		joint with cal (w = 0.2cm), 35°									
		81.0-81.5m, cal v, 25°									
	83.0	83.0-83.5m, grey ls									
	83.5	83.5-84.3m, cal v.	83.5	B-19020	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	84.3		85.0								
	85.0	85.0-87.3m, dk grey lmp skarnized alt (ss)>>sl) with py.	83.5	B-19021	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
	87.3	87.3-92.0m, dk grey sillsi & weakly skarnized metasoma with qz & py	89.0	B-19022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-19L3 F, P
		90.1-90.2m, qz, py v, 90°	90.5	B-19023	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	92.0	92.0-94.7m, reddish grey dt with abundant biotite	92.0								
	94.2	94.7-97.0m, dk grey silici & skarnized ss with py	94.7	B-19024	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	97.0	97.0-99.2m, reddish grey dt with abundant biotite	97.0								B-19L4 T
	99.2	99.2-101.3m, dk grey silici & weakly skarnized ss with py									

GEOLOGIC CORE LOG OF MJUB-19 (3/3)

1/200

MJUB-19 (3/3) 100 m ~ 150 m

Level 235.05 m Direction S20°W
X 68,339.69 m Inclination -80°
Y 93,010.41 m Length 150.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		101.3-101.5m, qz cal v. 35°									
	101.3	101.5-102.1m, whitish grey skarnized ls	101.3								
	101.5	102.1-102.3m, cal v.		B-19025	< 0.1	3.4	0.02	< 0.01	< 0.01	< 0.01	
	102.3	102.3-106.0m, greenish grey silici & skarnized metaso wo, with py	102.3								
				B-19026	< 0.1	2.4	0.01	< 0.01	< 0.01	< 0.01	
		104.5-105.5m, frac zone with clay	104.0								
				B-19027	< 0.1	7.6	0.02	< 0.01	< 0.01	< 0.01	
	106.0		106.0								
		10.6.-109.6m, dk grey silisi & weakly skarnized ss with py									
	109.6		109.6								
		109.6-111.5m, greenish grey-dk grey silici & skarnized metaso with cal veinlets & py		B-19028	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	111.5		111.5								
	112.3	111.5-112.2m, grey ls part skarnized		B-19029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		112.3-112.5m, frac zone with clay	112.5								
		112.5m, cal v.		B-19030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	114.2		114.2								
		114.2-118.3m, grey ls partly skrnized (wo, rhod)		B-19031	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		114.7-m, cal v.	116.0								
				B-19032	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	118.3		118.3								
		118.3-121.0m, dk grey silici alt (ss>>sl) with network qz, py		B-19033	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
			119.5								
				B-19034	< 0.1	2.8	0.02	< 0.01	< 0.01	< 0.01	
	121.0	121.0-128.2m, grrey-greenish grey partly skarnized ls (wo)	121.0	B-19035	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
		121.5-122.0m, frac zone	122.0								
		122.0-123.2m, clay-like cal		B-19036	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	B-19L6 X 122 s
			123.2								
				B-19037	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
			125.0								
				B-19038	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
			126.5								
				B-19039	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	128.2		128.2								
		128.2-132.3m, dk grey silici alt (ss>>sl) with qz veinlets, py		B-19040	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
			130.0								
		70		B-19041	< 0.1	4.8	< 0.01	< 0.01	< 0.01	< 0.01	
	132.3	132.3-133.0m, qz v. 45°	132.3								
	133.0	45		B-19042	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		30 133.0-136.5m, dk grey qzite with qz veinlets, py	134.5								
				B-19043	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
	136.5		136.5								
		136.5-139.0m, dk grey silici alt (ss>>sl) with qz veinlets, py		B-19044	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	138.0	137.6-137.8m, qz v.	138.0								
	138.2	138.0-138.2m, cal, act skarn with py		B-19045	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	139.0	139.0-139.5m, pinkish grey crs. syano-dt									
	139.5										
	140.0		140.0								
		140.0-144.4m, grey-whitesh grey ls partry skarnized (wo)		B-19046	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
			142.0								
				B-19047	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	144.4		144.4								
		144.4-150.0m, dk grey silici alt (ss>>sl) with qz veinlets & py									
			146.6								
				B-19048	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
		50	148.0								
				B-19049	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	150.0	Bottom of the hole	150.0								

GEOLOGIC CORE LOG OF MJUB-20 (1/9)

1/200

MJUB-20 (1 / 9) 0 m ~ 50 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		0-4.2m, sand with pebbles									
	4.2	4.2-9.0m, strongly weathered and frac dk grey silici. ss									
	9.0	9.0-12.5m, weathered dk grey silici. ss with qz veinlets, py, limo									
	12.5 12.9	12.5-12.9m, frac. zone with clay	12.9								
		12.9-14.1m, brownish grey silici. metaso. with limo	14.1	B-2001	< 0.1	6.8	0.01	< 0.01	< 0.01	< 0.01	
	14.1	14.1-16.0m, black alt(sl>>ss) with qz veinlets		B-2002	< 0.1	1.6	0.01	< 0.01	< 0.01	0.01	
	16.0	16.0-17.0m, qz vein	16.0	B-2003	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
	17.0	17.0-19.9m, dk grey silici. alt(ss>>sl) with qz veinlets, limo	17.0	B-2004	< 0.1	7.2	< 0.01	< 0.01	< 0.01	< 0.01	
	18.0	18.0-19.5m, frac zone with clay	18.5	B-2005	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
	19.5 19.9	19.9-31.2m, dk grey silici. & weakly skarnized alt (ss>>sl) with py, limo	19.9								
	21.5 21.7										
	27.0	50									
		27.0-28.8m, frac. zone									
	28.8 29.7										
	30.5	29.7-30.5, frac. zone									
	31.2	31.2-37.0m, greenish grey silici. & weakly skarnized metaso. with py, druesy qz	31.2								
	32.1 32.7	32.1-32.7m, frac. zone	33.0	B-2006	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			35.0	B-2007	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
				B-2008	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
	37.0	36.8-37.0m, frac zone	37.0								
		37.0-40.0m, dk grey silici. & weakly skarnized alt(ss>sl) with qz, cal veinlets		B-2009	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			38.5	B-20010	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
	40.0	40.0-44.2m, dk grey silici. & weakly skarnized alt (ss>sl)	40.0								
	44.2	44.2-45.5m, whitish grey silici. metaso. with druesy qz, cal, side & abundant py	44.2	B-20011	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	45.5	23 45.5-56.4m, dk grey silici. & weakly skarnized alt(ss>sl) with py	45.5								
		50									

GEOLOGIC CORE LOG OF MJUB-20 (2/9)

1/200

MJUB--20 (2/9) 50 m ~ 100 m

Level 222.92 m Direction S20°W
X 68,188.26 m Inclination -80°
Y 93,326.07 m Length 440.0m

DEPTH (m)	DESCRIPTIONS
	dk grey silici & weakly skarnized alt (ss>sl) with py
56.4	56.4-57.7m, greenish grey silici & skarnized alt (ss>sl)
57.7	57.3m, qz. cal v, w = 0.3cm, 20°
	57.7-61.7m, greenish grey silici & weakly skarnized alt (ss>sl)
61.7	61.7-66.0m, greenish grey silici & skarnized alt (ss>sl) with qz, py
66.0	66.0-68.8m, greenish grey po with py
68.8	68.8-73.5m, greenish grey silici & weakly skarnized alt (ss>sl)
73.5	73.5-92.5m, greenish grey silici & weakly skarnized alt (ss>sl) with py
	79.2m, cal v, w = 2cm 55°
	83.3m, qz cal v, w = 10cm 75°
	90.8m, qz cal v, w = 7cm
	91.2m, qz cal v, w = 1-3cm
92.5	92.5-117.6m, greenish grey silici & weakly skarnized alt (ss>sl) with py

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
61.7								
	8-20012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
64.0								
	8-20013	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
66.0								8-20014

GEOLOGIC CORE LOG OF MJUB-20 (3/9)

1/200

MJUB-20 (3/9) 100 m ～ 150 m

Level 222.92 m　Direction S20°W
X 69.188.26 m　Inclination -80°
Y 92,326.07 m　Length 440.0m

DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	101.0m, brecciated cal. qz v. w = 7cm, 40° (45, 40)	101.0								
			B-20014	< 0.1	< 1	< 0.01	< 0.01	< 0.01	0.01	
		104.0								
			B-20015	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	105.6-105.8m, cal- qz v.	105.8								
			B-20016	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	108.2m, qz cal v. w = 6cm,	108.2								
	110.8m, Wo v. w = 4cm, 25° (25)									
117.6	117.6-118.8m, dk grey ls with cal veinlets									
118.8	118.8-129.3m, dk grey weakly silici alt (ss>sl) with py									
	(30)									
129.3	129.3-134.0m, greenish grey silici & weakly skarnized alt (ss>sl) with qz-cal v & py	129.3								
	(30) 129.3m, qz. cal v. w = 1-3cm 30°		B-20017	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	131.3m, qz. (cal) v. w = 10cm, 30°	131.3								
	133.2m, qz. v. w = 10cm, 60°		B-20018	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-20L2 F (133.2)
134.0	(30) 134.0-134.6m, frac zone with clay py	134.0								
134.6	134.6-150.0m, grey silici & weakly skarnized alt (ss>sl) with py									
	(80)									
	147.5m, qz (cal) v. w = 7cm 85° (85)									
150.0	149.93m, qz v. w = 7cm	149.9								

GEOLOGIC CORE LOG OF MJUB-20 (4/9)

1/200

MJUB-20 (4/9) 150 m ~ 200 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	150	
	151.0	150.0-1451.0m, greenish grey silici. & skarnized alt(ss>sl)with qz v. & py
		151.0-161.1m, greenish grey silici & weak skarnized alt (ss>sl) with qz veinlets & py
	152	
	154	
	156	60
	158	157.8m, qz v. w = 5cm, 60°
		60
	160	
	161.1	161.1-162.3m, blk dol with cal & brecciated qz
	162	162.3-163.2m, ddk grey ls
	163.2	163.2-169.9m, dk grey silici alt (ss>sl) with py
	164	
		40 165.1m, qz v. w = 5cm, 40°
	166	60 166.5m, Tour. py ore side? v. w = 0.5cm, 10°
	168	
	168.5	168.5-169.7m, whitesh grey dt
	169.7	
	170	169.9-170.5m, whitesh grey dt
	170.5	170.5-177.0m, dk grey weakly silici. alt (ss>sl)
		60
	172	
	174	
	176	
	177.0	177.0-178.0m, greenish grey silici & skarunized metaso. with cal qz & py
	178.0	178.0-199.9m, dk grey weakly silici & skarnized alt (ss>sl)
	180	20
		60
	182	10 181.7m, qz. py v. w = 0.3cm, 10°
		182.7-184.2m, abundant cal, side & py v.
	184	
	186	65
	188	
	190	
	192	
	192.9	192.9-193.2m, cal (qz) v. 50°
	194	50
	196	
		197.2-197.6m, greenish grey skarn with cal
	198	198.2-198.8m, frac zone of skarn zone with clay
	199.9	199.9-201.4m, grey ls veinlets
	200	

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
151.0	B-20019	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
157.8	B-20020	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
159.5	B-20021	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
161.1								
								B-20L4 X 166.5
177.0	B-20022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
178.0								
182.7	B-20023	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
184.2	B-20024	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
186.0	B-20025	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
188.0	B-20026	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
189.8								
192.9	B-20027	< 0.1	< 1	0.01	< 0.01	< 0.01	< 0.01	
195.0	B-20028	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
197.2	B-20029	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
199.9								

GEOLOGIC CORE LOG OF MJUB-20 (5/9)

1/200

MJUB-20 (5/9) 200 m ~ 250 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	201.4	201.4-202.8m, grey silici alt (ss.st) with py									
	202.8	202.8-205.5m, greey ls with cal veinlets									
	205.0										
		205.5-207.6m, blk dol									
	207.6	207.6-214.6m, grey ls with cal veinlets									
	214.6	214.6-216.5m, whitish grey silici. ss with qz, Mo & py									
	216.5	216.5-218.3m, grey ls, partly skarnized (Mo)	216.5	B-20030	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	218.3	218.3.-221.0m, grey ls with cal veinlets	218.3								
	221.0	221.0-222.4m, dk grey silici alt (ss>sl) with py									
	222.4	222.4-225.2m, grey-dk grey dol 65									
	225.2	22.5-226.0m, blk sl with py									
	226.0	226.0-229.9m, grey dol & wo									
	229.9	229.9-246.7m, grey silici alt (ss>sl) with py									
		65									
		236.5m, qz v. w = 7cm, 70° 70									
		55									
		245.3m, qz v. w = 1cm, 45° 45									
	246.7	246.7-269.7m, dk reddish grey silici hornfels alt (ss>sl)									
		45									

GEOLOGIC CORE LOG OF MJUB-20 (6/9)

1/200

MJUB-20 (6/9) 250 m ~ 300 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		dk reddish grey silici. hornfels alt (ss>sl)									
		40									
		256.5m, qz v. w = 4cm, 60°									
		60									
		55									
		55 268.4m, qz v. w = 3cm 15°									
		15									
	269.7	269.7-280.2m, dk grey weakly silici alt (ss>>sl)									
	275.2	275.2m, pinkish white aplite									
		45 275.9m, qz v. w = 1cm, 15°									
		15									
	280.2	280.2-285.6m, weakly silici akt (ss>sk)with cal, qz veinlets									
		20 283.7m, cal (qz) v. w = 4cm, 20°									
	285.6	285.6-300.5m, grey weakly silici alt (ss>>sl) with cal, veinlets									
		45									
		291.2m, qz v. w = 3cm, 55°									
		55									
		295.8m, joint, 20°									
		20									

GEOLOGIC CORE LOG OF MJUB-20 (7/9)

1/200

MJUB-20 (7/9) 300 m ~ 350 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	300.5	300.5-320.5m, dk grey weakly silici & skarnized alt (ss>sl) with py, qz v 300.8m qz cal v. w = 1.5-2cm 20° 302.8-304.0m. qz cal v. & veinlets	302.8	B-20031	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			304.0								
		310.5-310.7m. qz, rhodo vein	319.3	B-20032	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	320.5	319.3-322.6m. cal v. 55°	320.5	B-20033	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	322.6	322.6-329.0m, dk grey silici weakly skarnized ss with py	322.6								
		327.1m. qz v. w=1cm 65°									
	329.0	329.0-333.4m, dk grey ~dk reddesh grey weakly silici & skarnized alt (ss>sl), hornfels 331.5m qz (py, pyrh, ma) v. w=5cm 50°									
	333.4	333.4-336.2m, whitesh frey silici & weakly skarnized qzite	333.4	B-20034	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	336.2	336.2-336.9m, grey ls partly skarnized (wo) with cal veinlets	336.2	B-20035	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	336.9	336.9-341.7m, greenish grey silici & weakly skarnized metaso. with py	338.0	B-20036	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			340.0	B-20037	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	341.7	341.5m, qz, cal v. w= 7cm, 50°	341.7	B-20038	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	342.5	341.7-342.5m, grey ls partly skarnized (wo) with cal veinlets	343.6	B-20039	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
	343.6	342.5-343.6m, grey qzite	345.5	B-20040	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	344.5	343.6-344.5m, greenish grey sh grey skarnized with cal, side v. 344.5-348.6m, grey-greenidh grey with qz, side v.	347.0	B-20041	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	348.6	348.6-354.4m, greenish grey silici & skarnized metaso. with py, qz, side v.	348.6	B-20042	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			350.0								

GEOLOGIC CORE LOG OF MJUB-20 (8/9)

1/200

MJUB-20 (8/9) 350 m ~ 400 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
			350.0	B-20043	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		353.5m, qz v. w = 6cm, 60°	352.0	B-20044	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	354.4	354.4-359.7m, dk grey-reddish grey weakly silici & skarnized alt (ss>sl) hornfels	354.4								
	359.7	359.7-364.3m, dk grey-greenish grey silici & weakly skarnized ss with py, qz, side veinlets	359.7	B-20045	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		362.2m, qz v. w = 3cm, 15°	361.7	B-20046	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		363.6m, qz, side, (cal) v. w = 0.2cm, 55°	363.0	B-20047	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	364.3	364.3-372.0m, dk grey silici & weakly skarnized alt (ss>sl) with qz, cal veinlets	364.3								
	372.0	372.0-374.3m, dk greenish grey weakly skarnized lmp with cal veinlets									B-20L8 T 373.8
	374.3	374.3-375.6m, grinish grey silici & skarnized metaso with qz, side veinlets	374.3	B-20048	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
	375.6	375.6-389.3m, dk grey silici & skarnized alt (ss>sl) hornfels	375.6								
		375.8m, cal, side v. w = 0.8cm, 30°	377.2	B-20049	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		377.2-378.7m, qz v. (chl, act.)	378.7								
		379.5m, lmp, w = 2cm 15°									
		387.5m, act, v.									B-20L9 X 387.4
	389.3	389.3-398.2m, dk greenish grey silici & skarnized hornfels alt (ss>>sl) with qz veinlets, py, pyrho	389.3	B-20050	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		389.3m, qz, act, v. w = 32cm, 25°.	391.0	B-20051	< 0.1	1.6	< 0.01	< 0.01	< 0.01	< 0.01	
		394.2m, qz, py v. w = 2cm, 30°.	392.5	B-20052	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		394.5-395.0m, frac zone	394.0	B-20053	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		395.4m, qz, py v. w = 3cm, 45°	395.5	B-20054	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		396.2m, qz, py v. w = 3cm, 60°	397.0	B-20055	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	398.2	398.2m, qz, py v. w = 1cm, 45°	398.2								
		398.2-411.4m, dk greenish grey silici alt (ss>>sl), with py									

GEOLOGIC CORE LOG OF MJUB-20 (9/9)

1/200

MJUB-20 (9/9) 400 m ~ 440 m

Level 222.92 m Direction S20°W
X 69,188.26 m Inclination -80°
Y 92,326.07 m Length 440.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		50									
		60 408.4m, qz, py, pyrho v. w=2cm, 60°									
		409.7-411.4m, qz, act veinlets	409.7	B-20056	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	411.4	411.4m, pinkish white granite, w = 2cm, 10°	411.4								
		10 411.1-418.6m, greenish grey silici alt (ss>>sl) qz, act, wo, v. py, pyrho		B-20057	< 0.1	4.8	< 0.01	< 0.01	< 0.01	< 0.01	
		45 413.4m, qz, diop, py, v. w=4cm, 45°	413.0	B-20058	< 0.1	4.8	< 0.01	< 0.01	< 0.01	< 0.01	
			414.5	B-20059	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	I B-20L10 415.8 B-20L11 418.5 F
		30 416.8m, qz, wo, py, pyrho v. w=3cm, 30°	416.5								
		417.9m, qz, diop, act, py v. w=5cm, 30°		B-20060	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-20L12 417.9 P
	418.6	418.0m, grnish white grano dt w = 2cm, 25°	418.6								
		25 418.6-426.4m, dk grey silici alt (ss)>sl) with py									
		35									
		35 422.3m, pinkish grey srs syeno-dt, w = 3cm, 40°									
		425.4-425.6m, grey ls, partly skarnized (wo, diop)									
	426.4	426.4-426.7m, grey-whitesh grey ls partly skarnized (wo)									
	426.7	85 426.7-428.3m, whitish grey dt with py.									
	428.3	428.3-437.6m, dk grey silici alt (ss>>sl) with py									B-20L13 429.1 X
		40 429.1-429.3m, wo, qz v. 40°									
		25 433.5m, cal (qz) py, v. w = 2cm, 25°									
	437.6	45 437.6-440.0m, greenish dk grey silici hornfels ss, with qz, cal, veins	437.6	B-20061	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
	440.0	Bottm of the hole	440.0								

GEOLOGIC CORE LOG OF MJUB-21 (1/3)

1/200

MJUB-21 (1/3) 0 m ~ 50 m

Level 233.23 m Direction S20°W
X 68,310.04 m Inclination -80°
Y 93,003.05 m Length 105.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
		0-7.3m, sand with pebbles									
	7.30	7.3-7.6m, whitish grey silici. ss with limo	7.3	B-2101	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
	7.60	7.6-8.1m, whitish grey ls with cal, limo	8.1	B-2102	< 0.1	1.2	< 0.01	< 0.01	< 0.01	< 0.01	
	8.10	8.1-9.3m, brownish grey brecciated alt(ss>>sl) with limo	9.3	B-2103	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	9.30	9.3m, cal vein, w=1cm, 15°									
		9.3-11.8m, greenish grey lmp	11.8	B-2104	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	11.80	11.8-16.7m, brownish grey-greenish grey silici. & skarnized metaso. with qz, cal and limo	13.0	B-2105	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			14.0	B-2106	< 0.1	2.4	< 0.01	< 0.01	< 0.01	< 0.01	
			15.0	B-2107	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			16.0	B-2108	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	16.90	16.9-22.0m, greenish grey silici. & skarnized alt(ss>>sl) with qz, cal vein & limo	17.0	B-2109	< 0.1	3.6	< 0.01	< 0.01	< 0.01	< 0.01	
			18.0	B-21010	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
			19.0	B-21011	< 0.1	4.4	< 0.01	< 0.01	< 0.01	< 0.01	
			20.0	B-21012	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
			21.0	B-21013	< 0.1	1.2	0.01	< 0.01	< 0.01	< 0.01	
	22.00	22.0-26.2m, brownish grey-greenish grey silici. & skarnized metaso. with qz	22.2	B-21014	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
			23.0	B-21015	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
			24.0	B-21016	< 0.1	7.4	0.03	< 0.01	< 0.01	< 0.01	
			25.0	B-21017	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	B-21L1 T.X 25.2
	26.20	26.2-28.8m, greenish dk-grey lmp	26.2	B-21018	< 0.1	3.2	< 0.01	< 0.01	< 0.01	< 0.01	
	28.80	28.8-31.2m, greenish grey silici. & weakly skarnized alt(ss>>sl) with py	28.8	B-21019	< 0.1	1.6	0.02	< 0.01	< 0.01	< 0.01	B-21L2 F 29.7
	31.20	31.0-31.2m, cal v.	30.0	B-21020	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
		31.2-35.5m, greenish dk-grey lmp	31.2	B-21021	0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		32.7-32.9m, fault clay, 55°	32.7	B-21022	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	35.50	35.5-39.8m, greenish grey-dk grey silici. & skarnized alt(ss>>sl) with py, qz veinlets	35.5	B-21023	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
			37.0	B-21024	< 0.1	1.8	< 0.01	< 0.01	< 0.01	< 0.01	
			38.5	B-21025	< 0.1	1.2	0.03	< 0.01	< 0.01	< 0.01	
	39.80	39.8-40.8m, greenish dk grey lmp	39.8	B-21026	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-21L3 T
	40.80	40.8-44.7m, greenish grey-dk grey silici. & skarnized alt(ss>>sl) with qz, py	40.8	B-21027	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
			42.5	B-21028	0.1	1.2	0.05	< 0.01	< 0.01	< 0.01	
	44.70	44.7-47.2m, grey weakly skarnized ls with cal	44.7								
	47.20										
	47.60	47.2-47.4m, frac zone with clay									
		47.4-47.6m, dk grey silici. & skarnized ss									
		47.6-52.6m, greenish dk grey lmp									

GEOLOGIC CORE LOG OF MJUB-21 (2/3)

1/200

MJUB-21 (2/3) 50 m ~ 100 m

Level 233.23 m Direction S20°W
X 68,310.04 m Inclination -80°
Y 93,003.05 m Length 105.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	52.6	52.6-58.4m, dk grey-greenish grey silisi & parly skarnized alt(ss>>sl) with qz (cal) veinlets, py	52.6	B-21029	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
			54.5	B-21030	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
			56.5	B-21031	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	B-21L4 P 57.9
	58.5	58.4-58.5m, fault clay skarnized (Wo) ls	58.5	B-21032	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-21L5 X 59.8
	60.5	60.5-63.0m, greenish dk grey silisi & weakly skarnized alt (ss>>sl) with qz(cal) veinlets 45	60.5	B-21033	< 0.1	1.6	0.03	< 0.01	< 0.01	< 0.01	
	63.0	63.0-63.3m, frac. zone	62.0	B-21034	< 0.1	< 1	0.02	< 0.01	< 0.01	< 0.01	
		63.3-64.9m, greenish dk grey - whitish grey skarnized ls with cal veinlets	63.3	B-21035	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	B-21L6 X 65.1
	64.9	64.9-66.1m, greenish dk grey silisi skarnized alt (ss>>sk) cal v, py	64.9	B-21036	< 0.1	< 1	0.03	< 0.01	< 0.01	< 0.01	
	66.1	66.1-71.0m, grey partly skarnized (Wo) ls	66.1	B-21037	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
		66.4-66.8m, frac zone	67.8	B-21038	< 0.1	< 1	< 0.01	< 0.01	< 0.01	< 0.01	
	71.0	71.0-72.4m, grey alt (ls>>dk grey ss)	69.8								
	72.4	72.4-76.8m, gray ls with cal veinlets									
	76.8	76.8-105.0m, pinkish gray yellowish-grey coarse syeno dt									
		80.4m, qz-sulphide (py, asp) vein, w=1cm, 35° 65									
		85.3m, qz v, w=0.2cm									
	92.6	92.6-94.2m, frac, zone									
	94.2										
	94.8	94.8-96.5m, frqac zone									
	96.5										
		97.5-98.0m, frac zone									
		98.5-99.8m, frac zone									

GEOLOGIC CORE LOG OF MJUB-21 (3/3)

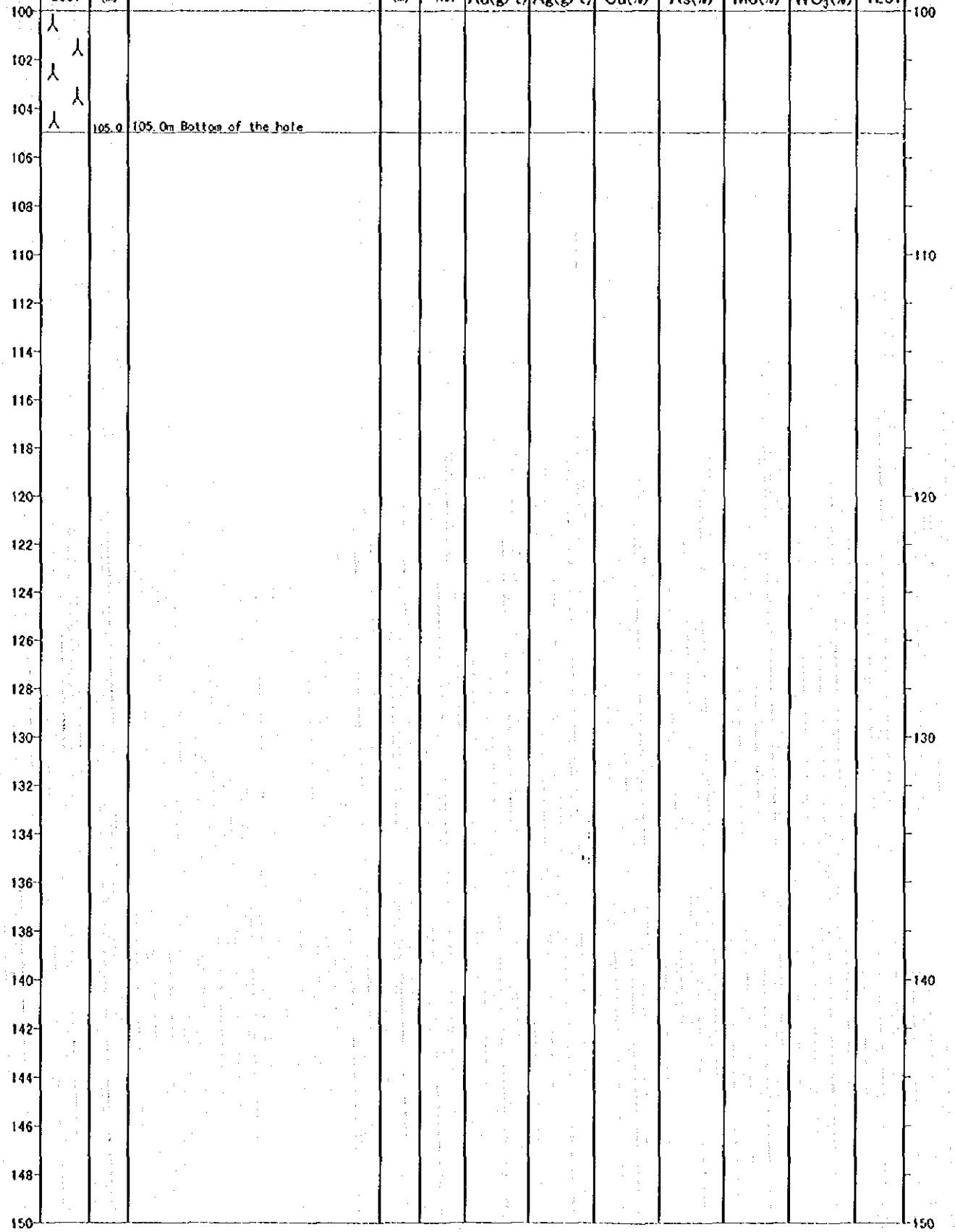
1/200

MJUB-21 (3/ 3) 100 m ~ 105 m

Level 233.23 m
X 68,310.04 m
Y 93,003.05 m

Direction S20°W
Inclination -80°
Length 105.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au(g/t)	Ag(g/t)	Cu(%)	As(%)	Mo(%)	WO_3(%)	LAB. TEST
	105.0	105.0m Bottom of the hole									



Appendix 2.Result of Laboratory Works

Appendix 2-1 List of Laboratory Works

Items	Quantity		Total
	Trench survey	Drilling survey	
	Bulutkan district	Bulutkan district	
1. Thin section	20	20	40
2. Polished section	18	18	36
3. X-ray diffraction analysis	20	30	50
4. Fluid inclusion test	19	16	35
5. Ore analysis (Au, Ag, Cu, As, Mo, WO_3)	652	562	1,214
Total	729	646	1,375

Appendix 2-2 Microscopic Observations of the Thin Sections(1/2)

No.	Sample No.	Location	Rock name	Primary minerals															Secondary minerals								Remarks
				Qz	Pl	Kf	Bi	Ho	Cpx	Sph	Ap	C	To	Ms	Zr	Ga	Cord	Hem	Op	Qz	Chl	Act	Tr	Ep	Pr	Ser	C	
1	T-11 L 3	T-11 88.8m	Pyroxene skarn						○														•				
2	T-11 L 4	T-11 155.0m	Hornblende skarn	•	△		•	○		•	•	•	•	△							•							With corundum-biotite hornfels
3	T-12 L 1	T-12 4.0m	Hornblende-biotite granodiorite	○	○	△	△	△			•																•	brecciated
4	T-12 L 4	T-12 38.0m	Porphyrite		○		(•)	(△)										•	•		•					△		Sericitized
5	T-13 L 2	T-13 75.0m	Aplitic biotite granite	○	○	○	•								•						•							
6	T-14 L 2	T-14 74.0m	Sericitized granite	○	△	○	(•)				•		•	•							•					△		Qz : sutured texture
7	T-16 L 3	T-16 75.0m	Biotite-muscovite hornfels	○	○		•						•	△				•	(•)		•							ss-sh alternation, limonitized
8	T-18 L 1	T-18 44.5m	Biotite-muscovite hornfels	○	△		•			•				△					(•)									Corundum-bg
9	T-18 L 5	T-18 90.0m	Pelitic phyllite	○	△									△					△									Op : graphite
10	T-19 L 1	T-19 33.5m	Chlorite-muscovite schist	○	△									○					△		△							Microcorrugation
11	T-19 L 3	T-19 35.0m	Muscovite hornfels	○	△		(•)							○														
12	T-19 L 5	T-19 41.0m	Biotite granite	○	△	○	•														•							Fine-grained
13	T-20 L 3	T-20 43.0m	Muscovite hornfels	○	△						•		•	△					•									Limonitized
14	T-23 L 2	T-23 36.0m	Crystalline limestone	△								○							•									
15	T-23 L 3	T-23 78.5m	Pyroxene skarn						○		•	•											•					
16	T-26 L 3	T-26 36.3m	Quartzite	○															•									Relict bedding structure
17	T-26 L 3	T-26 50.0m	Cordierite-biotite hornfels	△	△		○										○		•		•							Cordierite : pinitized
18	T-28 L 1	T-28 30.3m	Crystalline limestone									○							•									
19	T-28 L 2	T-28 89.0m	Lamprophyre		○	○	(△)	○	•	•	•																•	
20	T-29 L 1	T-29 53.5m	Quartz vein	○														•	•									Limonitized

Abbreviations

Qz: quartz, Pl: plagioclase, Kf: K-feldspar, Bi: biotite, Ho: hornblende, Cpx: clinopyroxene, Sph: sphene, Ap: apatite
C:carbonate, To: tourmaline, Ms: muscovite, Zr: zircon, Ga: garnet, Cord:cordierite, Hem: hematite, Op: opaque mineral
Chl: chlorite, Act: actinolite, Tr:tremolite, Pr:prehnite, Ser:sericite
Circle: abundant, Triangle: common, Dot: minor constituents
( ) : pseudomorph

Appendix 2-2 Microscopic Observations of the Thin Sections(2/2)

No.	Sample No.	Location	Rock name	Primary minerals														Secondary minerals							Remarks
				Qz	Pl	Kf	Bi	Ho	Cpx	Sph	Ap	C	To	Ms	Zr	Ga	Hem	Op	Qz	Chl	Act	Tr	Ep	Pr	Ser	C	
21	B- 8 L 5	MJUB-8 34.2m	Pyroxene skarn						○		△							△	·	·		△				·	
22	B- 8 L 7	MJUB-8 92.7m	Quartz syenite porphyry	△	△	○	(△)				·							·							△	·	Sericitized
23	B- 9 L 4	MJUB-9 28.4m	Pyroxene skarn						○											△		△					△	Olivine-bg
24	B- 10 L 2	MJUB-10 58.0m	Biotite-hornblende diorite	·	○		○	○		·								·		·					·		
25	B- 11 L 7	MJUB-11 117.9m	Garnet-pyroxene skarn						△	·		○				△		·	·				·	·			·	With Albite-calcite vein
26	B- 11 L 8	MJUB-11 127.1m	Lamprophyre	△	○		○	○		·								·		·							·	With hornblende granite Xenolith
27	B- 12 L 3	MJUB-12 73.0m	Garnet-pyroxene hornfels	○					○			○				△		·		·								Chert-limestone alternation origin
28	B- 12 L 7	MJUB-12 171.2m	Porphyrite	△	○		(△)				·							·		·					△	·	Sericitized
29	B- 13 L 5	MJUB-13 83.5m	Hornblende syenite	·	△	○	·	△		·	·									·							·	
30	B- 14 L 1	MJUB-14 10.3m	Porphyrite	△	○		(△)				·							·		·					△	·	Sericitized
31	B- 16 L 4	MJUB-16 49.0m	Biotite hornfels	△	○		○	·	·									·		·					·		Pelitic rock origin
32	B- 17 L 2	MJUB-17 20.4m	Porphyrite	·	○		(△)	(△)										·		·					△	·	Sericitized
33	B- 18 L 2	MJUB-18 32.8m	Chlorite-muscovite hornfels	○														·		△					△	·	With pyrite-gypsum-calcite vein
			Hornblende andesite (dyke)		○			(△)										·		△					·	△	
34	B- 18 L 8	MJUB-18 77.8m	Porphyrite	·	○		△	(△)												△					·	·	
35	B- 19 L 4	MJUB-19 97.7m	Augite-hornblende-biotite-quartz syenite	△	·	○	○	○	△		·							·		·							
36	B- 20 L 2	MJUB-20 66.4m	Porphyrite		○		(△)	(△)		·								·		·					·	·	
37	B- 20 L 8	MJUB-20 373.8m	Lamprophyre	·	○		·	○		·								·		·	·					△	
38	B- 20 L 10	MJUB-20 415.3m	Garnet-biotite-hornblende schist	△	△		○	○								△							△				With ptygmatic quartz vein
39	B- 21 L 1	MJUB-21 25.2m	Chlorite-muscovite schist	○			(△)							○				·		△			·			·	Rutile(?)-bg
40	B- 21 L 3	MJUB-21 40.0m	Altered hornblende andesite	·	○			(△)												△						△	With flow structure

Abbreviations

Qz: quartz, Pl: plagioclase, Kf: K-feldspar, Bi: biotite, Ho: hornblende, Cpx: clinopyroxene, Sph: sphene, Ap: apatite
C:carbonate, To: tourmaline, Ms: muscovite, Zr: zircon, Ga: garnet, Hem: hematite, Op: opaque mineral
Chl: chlorite, Act: actinolite, Tr:tremolite, Pr:prehnite, Ser:sericite
Circle: abundant, Triangle: common, Dot: minor constituents
( ) : pseudomorph

Appendix 2-3 Photomicrographs of the Thin Sections

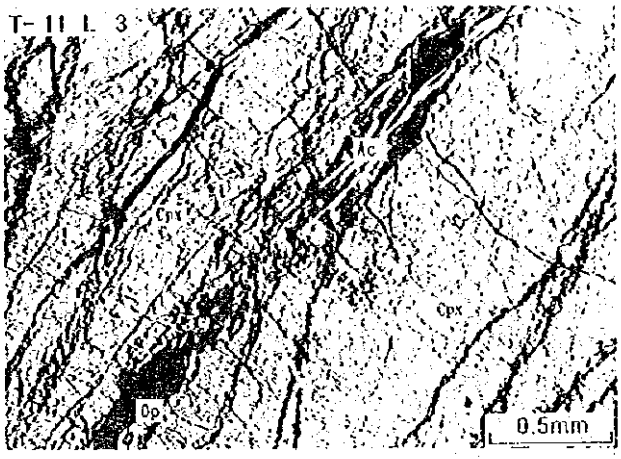
Abbreviations

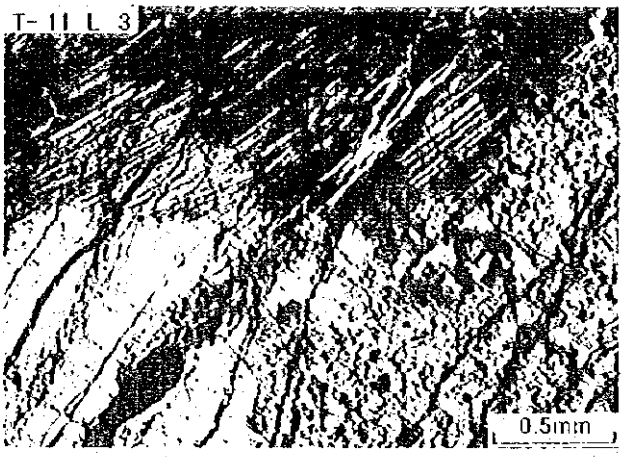
Ac : Actinolite	Lim : Limonite
Ap : Apatite	Ms : Muscovite
Au : Augite	Op : Opaque mineral
Bi : Biotite	Pl : Plagioclase
C : Carbonate	Qz : Quartz
Ch : Chlorite	Ru : Rutile
Cord: Cordierite	Ser : Sericite
Cpx : Clinopyroxene	Sph : Sphene
Ga : Garnet	To : Tourmaline
Ho : Hornblende	Tr : Tremonite
Kf : K-feldspar	( ): Pseudomorph

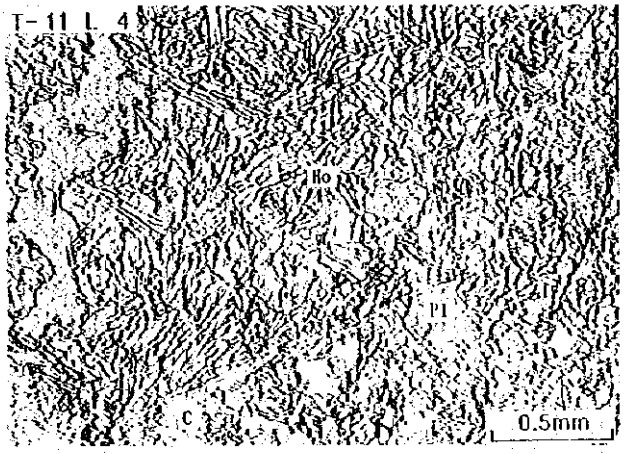
Appendix 2-3 Photomicrographs of the Thin Sections(1/10)

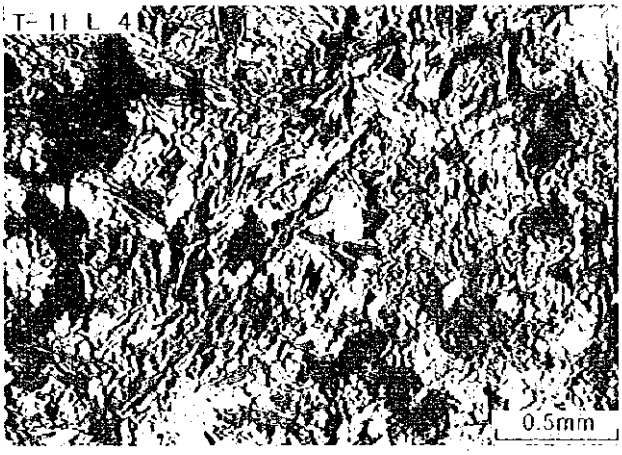
Plane polarized light

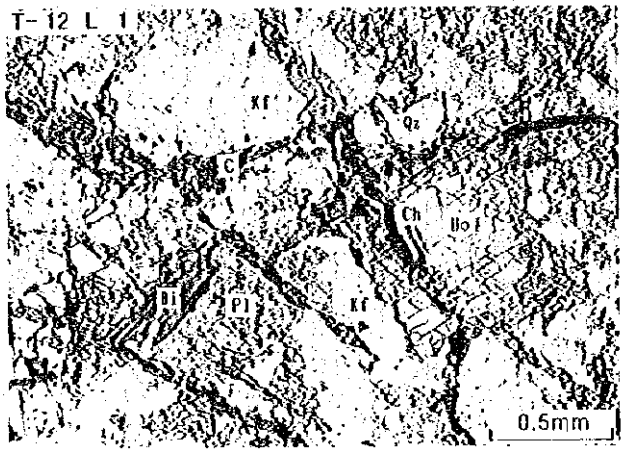
Crossed polarized light

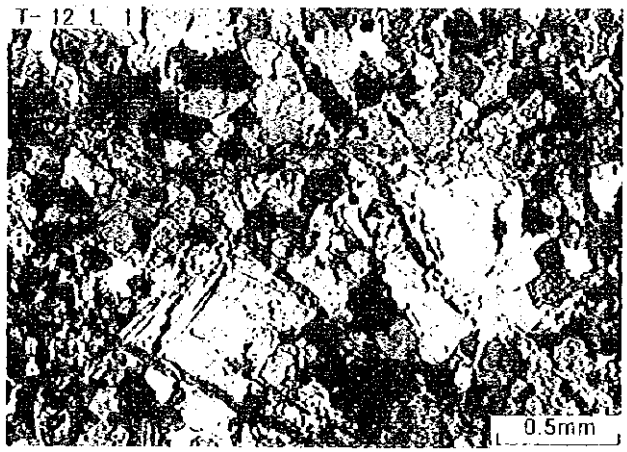


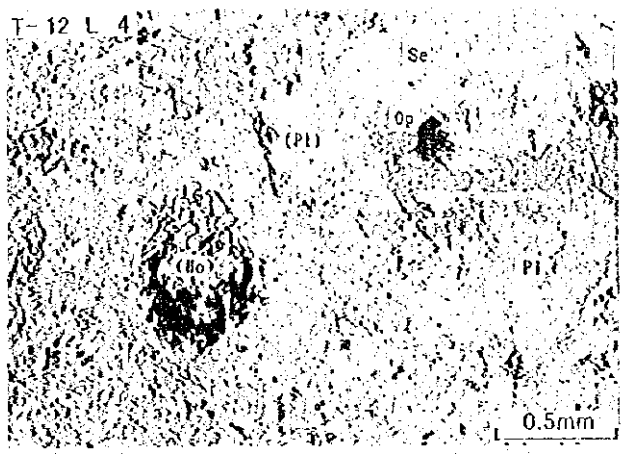


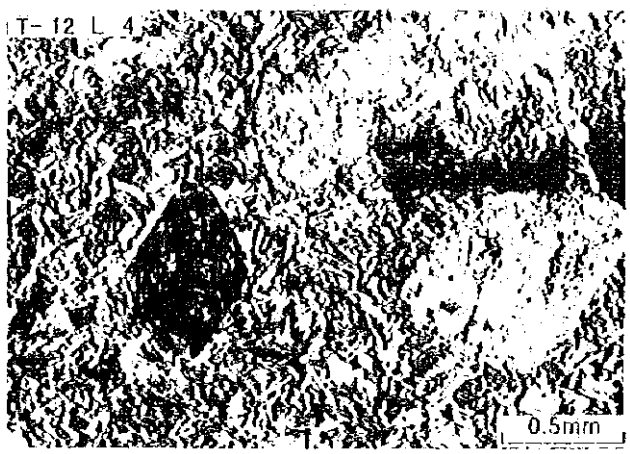






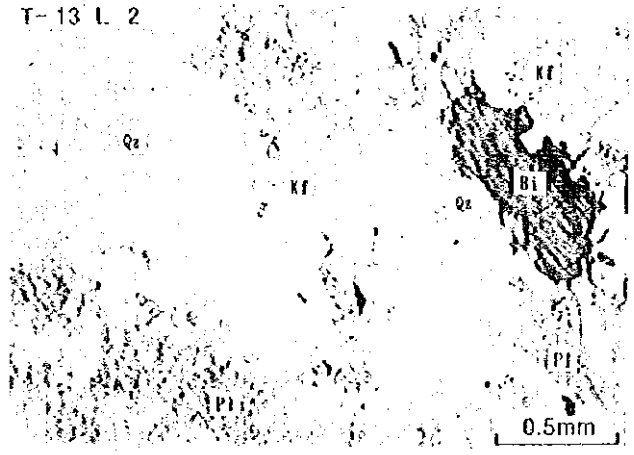


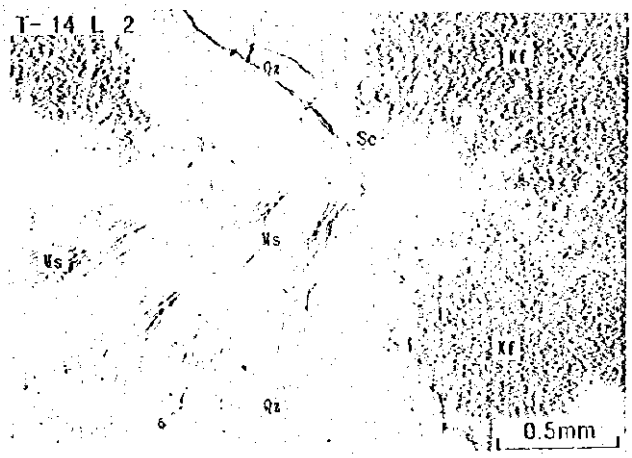


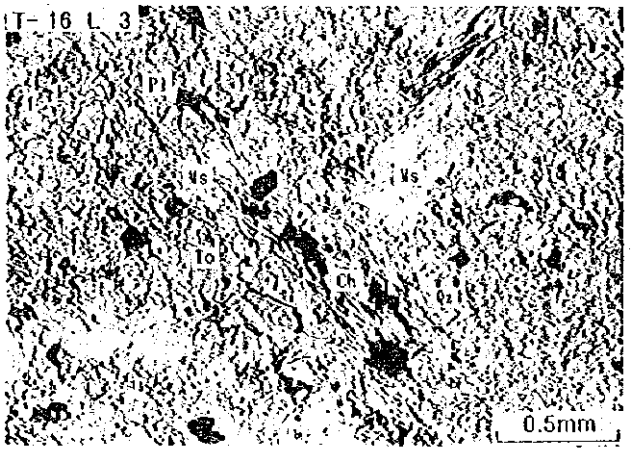


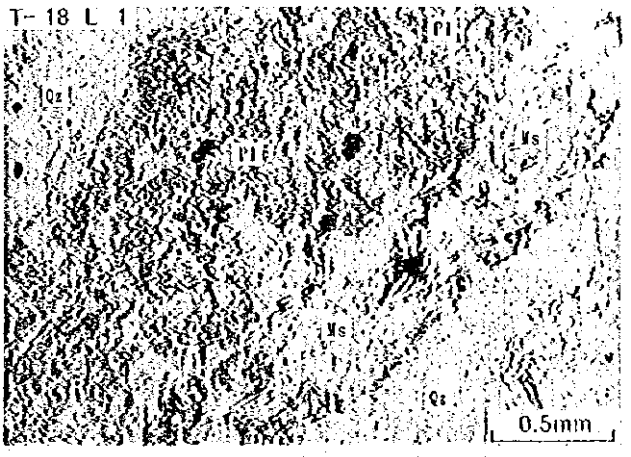
Appendix 2-3 Photomicrographs of the Thin Sections(2/10)

Plane polarized light









Crossed polarized light