(3) Ores of the Sautbay deposit are hornblende-clinopyroxene skarn accompanied by scheelite and hornblende-clinopyroxene-pyrrhotite skarn, containing pyrite, pyrrhotite, chalcopyrite and marcassite, and rarely bismuthinite, native bismuth, arsenopyrite, sphalerite, galena, chalcocite and covelline.

The homogenization temperatures of the fluid inclusions of two samples of quartzite veins are 110-346°C, showing distributions similar to those of the Bulutkan district.

1-3 Bulutkan District

(1) The TEM and TDIP surveys determined the resistivity structure to a depth of about 200m and the near surface IP character of the survey area.

① The survey area can be divided into three distinct zones by its resistivity structure.

a) "Southern structural zone" In the southern part of the survey area there are mainly layers of medium to high resistivity rock from the surface to depth.

b) "Central structural zone" The central survey area is conductive with surface layers of medium to high resistivity occurring locally. These surface layers vary in thickness from 10 m to more than 100 m, in some places.

c) "Northern structural zone" The resistivity structure consists of three layers in the northern part of the survey area. There is a conductive layer, about 100 m thick, at the surface. This is underlain by a second layer which is very conductive and a third layer of moderate conductivity.

② In the southern structural zone, IP values are low (under 30 mV/V), while in the central structural zone there is an anomalous IP high (over 60 mV/V) which lies in a belt extending in the WNW-ESE direction. IP values change sharply at the boundary of this anomaly.

③ The sharp boundary between the IP low and high in central structural zone may indicate the north end of the syenodiorite body.

(2) The geophysical survey revealed that the Bulutkan deposit is in the central structural zone near the southern structural zone and indicates high resistivity and high IP chargeability. The electrical section is resistive from the surface to depth with IP values of 40 to 50 mV/V.

Zones of prospective ore deposition, similar to the Bulutkan ore deposit, must fulfill the following conditions. In the central structural zone, prospective areas must be

resistive or very resistive and IP chargeability values must be high (over 40 mV/V).

Therefore five resistive zones in the central structural zone have potential of bearing ore deposits like Bulutkan.

(3) In the surface portion of the Bulutkan deposit, an ore body of 32m wide (true width) was confirmed by trenching. The drilling aimed at the lower extension of the deposit captured gold mineralization at the drillholes Nos. MJUB-1 and -7, confirming the continuous mineralization up to about 100m below the surface. It was also clarified that the ore body strikes WNW-ESE and dips about 70°N.

The ore body with gold mineralization is composed of silicified rocks accompanied by fine-grained quartz veins and chalcedony at the upper portion, while the lower portion comprises skarn ore body accompanied by sulfide veins. The ore bodies assume the WNW-ESE strike and are distributed in close relations with dikes of lamprophyre and diorite intruding in the same direction. The non-coring drilling that the Kokpatas Expedition carried out at the east and west extensions of the ore body also ascertained gold mineralization, though low in grade ; therefore, the ore body may be presumed to extend in the WNW-ESE direction. These intrusive rocks and ore bodies are considered to be controlled by a group of fractures that strikes WNW-ESE and dips 65-70°N. It is considered that the skarn ore body in the lower portion occurs at the intersection of the group of fractures with the horizon containing carbonate rocks and that the bonanza is considered to plunge toward the ESE direction.

(4) The mineral components of the Bulutkan deposit in its upper portion, are the silicified rocks composed mainly of quartz, chalcedony, natrojarosite, goethite, limonite and lepidochrocite, accompanied by pyrrhotite and gypsum, whilst the skarn in the lower portion is the hornblende-pyroxene skarn composed mainly of quartz, chlorite, pyrite, marcasite, pyrrhotite, arsenopyrite, chalcopyrite, containing small quantities of scheelite, epidote and garnet, the mineral composition being similar to that of the skarn in the Sautbay deposit.

The auriferous mineral occurs in the form of native gold in quartz and chalcedony. The microscopic observation of polished sections confirmed no auriferous mineral in sulfide minerals such as pyrite in the skarn with gold mineralization. In this case, the auriferous mineral possibly is in extra-fine grains or has substituted the internal texture of pyrite, etc.

(5) The homogenization temperature of the fluid inclusions of quartz veins and chalcedony ranges from 100°C to 378°C. Samples of the silicified rocks with gold mineralization collected at trenches show a homogenization temperature range of approximately 150°C-250°C, whereas samples taken from the skarn or syenodiorite have a higher range of 250°C-350°C. Portions where gold mineralization and skarnization are overlapped are in a range of about 150°C-330°C. Samples with the solid phase, presumably halite, occurring by the side of syenodiorite, often show high homogenization temperatures exceeding 300°C.

It is therefore presumable that the quartz veins were formed through more than a single stage and the gold mineralization was accompanied by a late-stage, low-temperature quartz. In case of the ore body of the Bulutkan deposit, it is highly likely that the gold mineralization accompanied by low-temperature quartz was added, subsequent to the skarnization.

(6) Relatively high-grade and continuous gold mineralization was confirmed by drilling aimed at the lower portion of the Bulutkan deposit: Au 2.8g/t and Ag trace at the drillhole MJUB-1 between the depths of 86.0-88.0m(true width 1.1m); Au 4.3g/t and Ag 1.1g/t at MJUB-7 between 0.0-10.4m(true width 5.5m); and, Au 21.2g/t and Ag 4.3g/t at the same drillhole between 36.1-51.0m(true width 7.9m). Outside of the Bulutkan deposit, Au 2.3g/t and Ag 36.1g/t were confirmed at MJUB-3 between 82.0-84.0m(true width 1.6m). All the mineralization occurs in the Proterozoic near the north side of the syenodiorite stock.

(7) Relatively high-grade and continuous gold occurence was confirmed at the trench T-2 aimed at exploring the upper part of the Bulutkan deposit: Au 11.7g/t and Ag 1.8g/t between 228.4-248.6m(true width 19.0m); Au 7.0g/t and Ag trace between 252.1-253.4m(true width 1.2m); and, Au 2.4g/t and Ag trace between 260.2-264.3m(true width 3.9m). At the other trenches than T-2, no gold indication exceeding Au1.0g/t was confirmed. At T-3, T-6 and T-10, however, low-grade but relatively continuous gold mineralization was confirmed in the Proterozoic in the vicinity of the syenodiorite stock.

Furthermore, the trenching carried out by the Uzbek confirmed at the trench P-819 (near the west side of the southern tip of T-3) Au 74.7g/t between 107.0-109.0m(2.0m); and, at P-822(near the west side of the southern tip of T-5), Au 31.0g/t between 98.0-106.0m(8.0m).

(8) Geochemical anomalies at this district were recognized near the main mineralization zone confirmed by the trenching survey, the fracture zones and the dikes, and also in the syenodiorite body near the border with the Kokpatas Formation.

Apart from the main gold mineralization zones confirmed by the ore analysis, geochemical anomalies of gold are concentrated along the syenodiorite body, therefore, predominant gold mineralization is considered to have occurred alongside of the syenodiorite body.

(9) The second fiscal year's survey ascertained indications of continuous mineralization in the zone near the north side of the syenodiorite stock extending in the WNW-ESE direction, which suggests high potentials of occurrence of ore deposits similar to the Bulutkan deposit.

Chapter 2 Recommendations for the Phase III Survey

On the basis of this fiscal year's survey results, the following areas and survey methods are recommended, in the order of priority, for the Phase III survey:

1) Bulutkan district

(1) Gold mineralization has been confirmed also by the Uzbek non-core drilling aimed at the east-west extension of the Bulutkan deposit's bonanza extending in the WNW-ESE direction.

To confirm ore reserves and grades, it is recommended to explore the east-west extension of the ore body by trenching and drilling.

(2) Besides the Bulutkan deposit, mineral showings have been found out, in the Proterozoic near the north side of the syenodiorite body extending in the WNW-ESE direction. In this area, five high-resistivity zones have been extracted on the basis of the geophysical survey results, which have high potentials of occurrence of ore deposits similar to the Bulutkan deposit.

To explore the mineral showings and high-resistivity zones, it is recommended to conduct detailed geophysical survey by the TEM method, along with trenching and drilling survey.

2) Sautbay district

(1) This fiscal year's drilling survey increased the possibility of predominant tungsten mineralization continuing further southeastward from the Sautbay deposit.

It is recommended to conduct drilling survey aimed at the southeast extension, 300-400m below the surface, of the No.1 ore body, the immediate target of exploitation, thereby confirming ore reserves and grades.

(2) As for the Sautbay-Burgut deposit and the Saghinkan deposit, of which ore reserve estimation was made in the Phase I and II survey, it is recommended to reassess the ore reserves using the newly obtained data and to work out a conceptual mine development plan for open-pit and undergound mining.

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APPENDICES

Appendix 1. Geologic Core Logs of the Drillings

Appendix 1 Geologic Core Logs of the Drillings

LEGEND


Sludge


Quarternary Deposits


Lamprophyres


Granites, Granodiorites


Porphyrites


Syenodiorites


Diorites


Aplites


Diabase


Dolerites


Slates


Phyllites


Schists


Sandstones


Limestones


Dolomites


Cherts


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

G G Gossan

C C Chalcedony

● ● Hornfels

·Abbreviations

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

·Sample for Assay and Laboratory Test

A. Sample for assay
S-101:Ore sample(Sautbay district)
B-101:Ore sample(Bulutkan district)
B-1G1:Rock sample(Bulutkan district)

B. Sample for laboratory test
1L1:Geological test
(1)T···Thin section
(2)P···Polished section
(3)X···X-Ray diffraciotnanalysis
(4)F···Fluid inclusion test
1B1:Geophysical test(Resistivity and chargeability)

·Assay Results

SAMPLE No.	ASSAY RESULT									
	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W
B2G1	*10*	*1.5*	*200*	*10*	*70*	*60*	-	*30*		*<10*
B-1073	tr	1.2	0.22	0.04	<0.01	0.04	<0.01	<0.01	0.4	

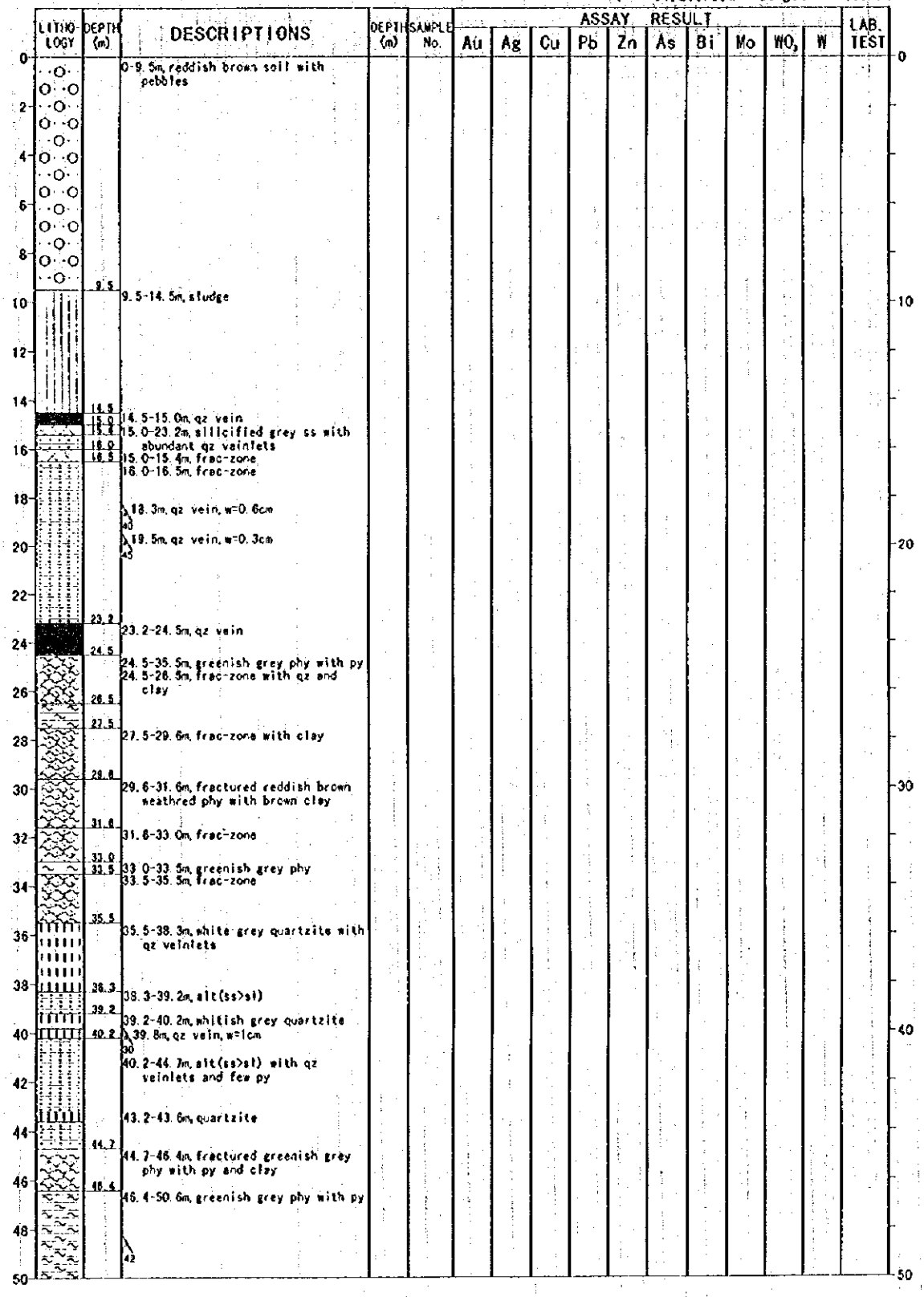
Italic figures show the assay results of the rock samples, and the units for each element are as follows.
Au(ppb),Ag(ppm),Cu(ppm),Pb(ppm),Zn(ppm),As(ppm), Bi(ppm),Mo(ppm),W(ppm).
Block figures show the assay results of the ore samples, and the units for each element are as follows.
Au(g/t),Ag(g/t),Cu(%),Pb(%)Zn(%),As(%),Bi(%),Mo(%), WO_3(%).
tr:trace,-:nil

GEOLOGIC CORE LOG OF MJUS-1 (1/8)

1/200

MJUS－1 (1／8)　0 m ～ 50 m

Level 230.72m　Direction S60°W
X 86,764.60m　Inclination -75°
Y 71,230.00m　Length 352.0m

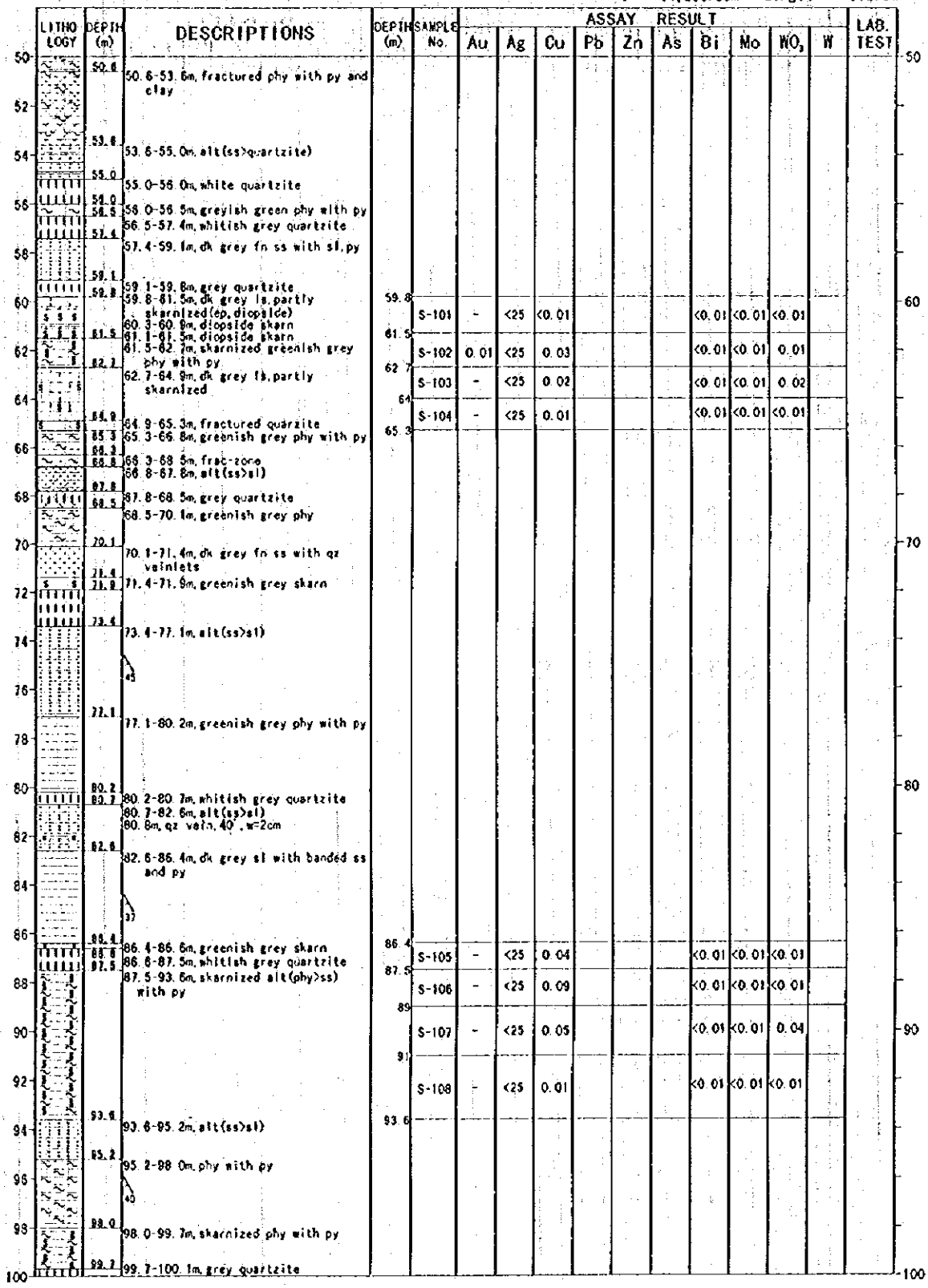


GEOLOGIC CORE LOG OF MJUS-1 (2/8)

1/200

MJUS-1 (2/8) 50 m ~ 100 m

Level 230.72m Direction S60°W
X 86,764.60m Inclination -75°
Y 71,230.00m Length 352.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	50.6	50.6-53.6m, fractured phy with py and clay
	53.6	53.6-55.0m, alt(ss>quartzite)
	55.0	55.0-56.0m, white quartzite
	56.0	56.0-56.5m, greyish green phy with py
	56.5	56.5-57.4m, whitish grey quartzite
	57.4	57.4-59.1m, dk grey fn ss with sl, py
	59.1	59.1-59.8m, grey quartzite
	59.8	59.8-61.5m, dk grey ls, partly skarnized(ep, diopside)
		60.3-60.9m, diopside skarn
	61.5	61.1-61.5m, diopside skarn
		61.5-62.7m, skarnized greenish grey phy with py
	62.7	62.7-64.9m, dk grey fs, partly skarnized
	64.9	64.9-65.3m, fractured quarzite
	65.3	65.3-66.8m, greenish grey phy with py
	66.8	66.3-68.5m, frac-zone
		66.8-67.8m, alt(ss>sl)
	67.8	67.8-68.5m, grey quartzite
	68.5	68.5-70.1m, greenish grey phy
	70.1	70.1-71.4m, dk grey fn ss with qz veinlets
	71.4	71.4-71.9m, greenish grey skarn
	71.9	
	73.4	73.4-77.1m, alt(ss>sl)
		45
	77.1	77.1-80.2m, greenish grey phy with py
	80.2	80.2-80.7m, whitish grey quartzite
	80.7	80.7-82.6m, alt(ss>sl)
		80.8m, qz vein, 40°, w=2cm
	82.6	82.6-86.4m, dk grey sl with banded ss and py
		33
	86.4	86.4-86.6m, greenish grey skarn
	86.6	86.6-87.5m, whitish grey quartzite
	87.5	87.5-93.6m, skarnized alt(phy>ss) with py
	93.6	93.6-95.2m, alt(ss>sl)
	95.2	95.2-98.0m, phy with py
		40
	98.0	98.0-99.7m, skarnized phy with py
	99.7	99.7-100.1m, grey quartzite

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
59.8	S-101	-	<25	<0.01				<0.01	<0.01	<0.01		
61.5	S-102	0.01	<25	0.03				<0.01	<0.01	0.01		
62.7	S-103	-	<25	0.02				<0.01	<0.01	0.02		
64	S-104	-	<25	0.01				<0.01	<0.01	<0.01		
65.3												
86.4	S-105	-	<25	0.04				<0.01	<0.01	<0.01		
87.5	S-106	-	<25	0.09				<0.01	<0.01	<0.01		
89	S-107	-	<25	0.05				<0.01	<0.01	0.04		
91	S-108	-	<25	0.01				<0.01	<0.01	<0.01		
93.6												

GEOLOGIC CORE LOG OF MJUS-1 (3/8)

1/200

MJUS－1 (3／8)　100 m ～ 150 m

Level 230.72m　Direction S60°W
X 86,764.60m　Inclination −75°
Y 71,230.00m　Length 352.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	100.1	100.1-104.9m, blk sl with banded ss, py and limo
	103.2	103.2-103.6m, grey ss with py and limo
	103.6	
	104.9	104.2m, joint
		104.9-106.7m greenish grey phy alt (ss>sl)
	106.2	106.7-107.8m, greenish grey skarnized phy with qz vein
	107.8	107.1m, qz vein, w=0.7cm
		107.8-110.6m, blk sl with banded ss and py
	110.6	110.6-114.5m, phyllitic sl with banded ss, quartzite and py
	114.5	
	115.1	114.5-115.1m, skarn(ep>rhodo)
		115.1-118.1m, sl with banded ss and py
		115.3-116.1m, frac-zone
	118.1	117.5-117.7m, green skarn with hema
	118.9	118.1-118.9m, white quartzite
		118.9-122.8m, greyish green py. sl with banded ss and py
		119.1m, cal(qz) vein, w=0.5-1cm
	122.8	122.8-125.1m, banded alt(ss>>sl)
	125.1	
	125.8	125.1-125.8m, alt(ss>>sl)
	126.1	125.8-126.1m, dk grey ls partly skarnized
		126.1-128.0m, silicified and skarnized metasomatite with cal vein
	128.0	127.0m, cal vein, w=3cm
	129.1	128.0-129.1m, alt(sl>ss) with py
	130.0	129.1-130.0m, silicified and skarnized metasomatite with cal vein
		130.0-131.8m, grey ls with cal veinlets
	131.8	
	133.3	131.8-133.3m, greenish grey-dk grey phy with qz vein and py
	134.0	133.3-134.0m, white quartzite
	134.5	134.0-134.5m, dk grey ls with cal
	135.0	134.5-135.0m, grey ss
		135.0-138.2m, green grey sandy phy with py
	138.2	
		138.2-141.1m, silicified skarnized metasomatite with qz and py
	141.1	
		141.1-177.4m, dk grey ls with cal veinlets
		141.3-143.0m, network cal vein
		148.1-149.3m, network cal vein
		149.0m, cal vein, w=0.2cm

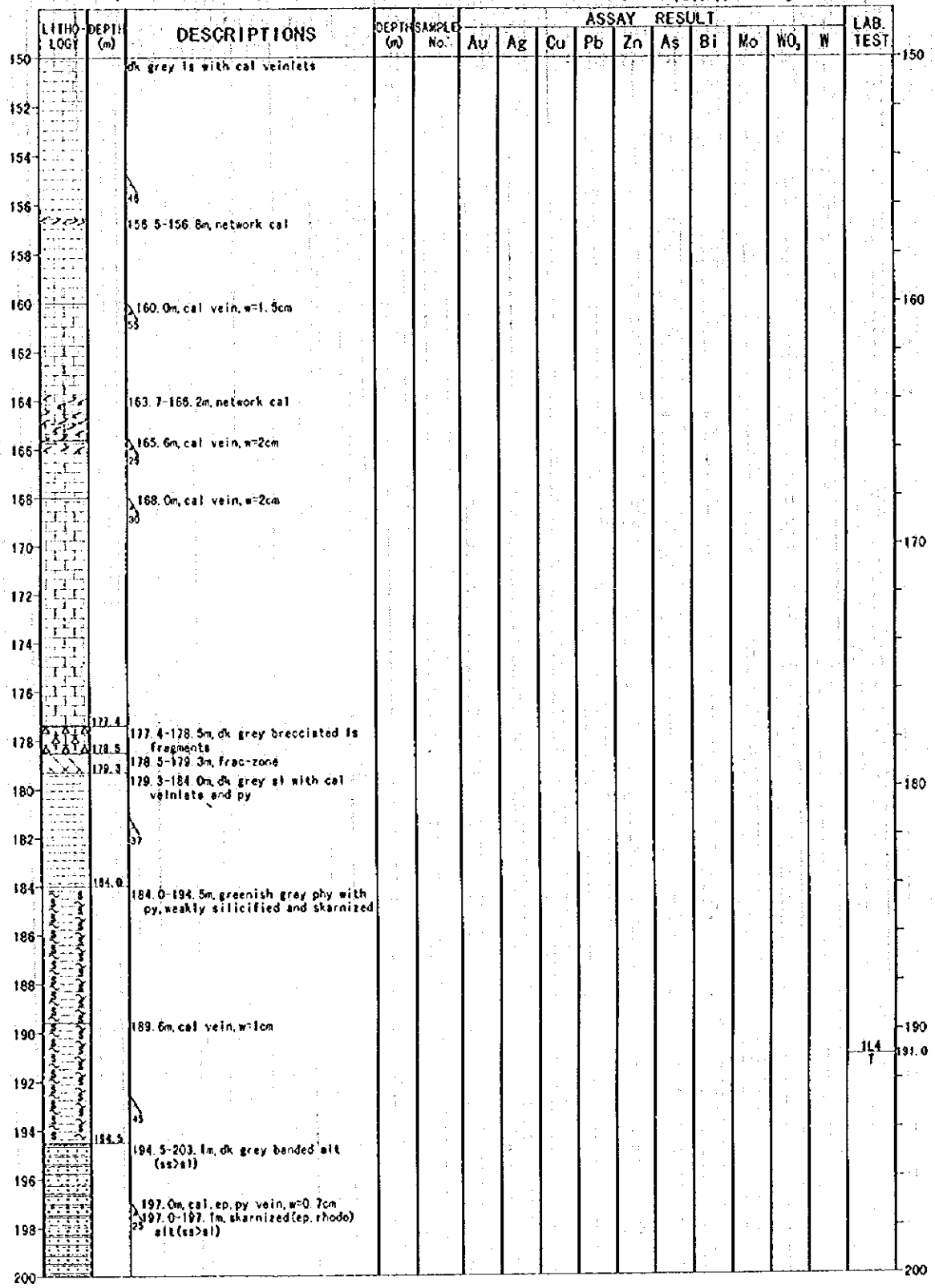
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
126.1												
	S-109	-	<25	<0.01				<0.01	<0.01	<0.01		
128												
	S-1010	-	<25	0.01				<0.01	<0.01	<0.01		
129.1												
	S-1011	0.03	<25	<0.01				<0.01	<0.01	<0.01		
130												
136.2												IL2-P
	S-1012	-	<25	0.02				<0.01	<0.01	0.01		
139.5												
	S-1013	0.01	<25	0.01				<0.01	<0.01	<0.01		
141.1												

GEOLOGIC CORE LOG OF MJUS-1 (4/8)

1/200

MJUS－1 (4／8) 150 m ～ 200 m

Level 230.72m Direction S60°W
X 86,764.60m Inclination -75°
Y 71,230.00m Length 352.0m



GEOLOGIC CORE LOG OF MJUS-1 (5/8)

1/200

MJUS－1 (5／8) 200 m ～ 250 m

Level 230.72m, Direction S60°W
X 86,764.60m, Inclination −75°
Y 71,230.00m, Length 352.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
	200	dk grey banded alt(ss>sl)													
	203.1	203.1-206.7m, weakly skarnized metasomatite with py	203.6	S-1014	0.03	<25	0.02				<0.01	<0.01	0.01		
	206.7		205	S-1015	0.03	<25	<0.01				<0.01	<0.01	<0.01		ILS P 205.4
	207.5	208.7-207.3m, sl with banded ss	206.7												
	208.1	207.3-229.0m, alt(ss>sl) with qz vein, partly skarnized(ep, rhodo)													
	208.5	208.1-208.5m, frac-zone with clay													
		210.4m, cal vein, w=0.3-0.6cm													
	211.6	211.6-212.9m, frac-zone with clay													
	212.9														
	218.6	218.6-219.1m, frac-zone with clay													
	219.1	219.4m, cal vein, w=1cm													
	229.0	229.0-233.3m, dk grey banded alt (sl>ss)													
	233.3	233.3-240.5m, dk grey banded alt (ss>sl)													
		234.1m, cal vein, 25°, w=1cm													
	240.5	240.5-241.2m, qz vein with py													
	241.2	241.2-242.3m, limy sl													
	242.3	242.3-244.9m, dk grey banded alt (sl>ss) with cal veinlets													
	245.1	244.9-245.1m, qz, cal vein with py													
		245.1-245.9m, frac-zone with clay													
	245.9	245.9-258.8m, alt(ss>sl) with cal, qz veinlets and py													
		248.0-249.5m, network qz													
	250														

GEOLOGIC CORE LOG OF MJUS-1 (6/8)

1/200

MJUS-1 (6/8) 250 m ~ 300 m

Level 230.72m Direction S60°W
X 86,764.60m Inclination -75°
Y 71,230.00m Length 352.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	254.5	245.5-254.9m, diopside skarn
	254.9	
	255.9	255.9-257.2m, diopside skarn(ep, cal, rhodo)
	257.2	257.2-258.8m, fractured alt(ss)sl)
	258.8	258.8-263.8m, greenish grey-yellowish grey diopside skarn(ep, cal)
	263.8	263.8-267.9m, dk grey dol with py
	267.6	267.6-267.9m, cal vein
	267.9	267.9-268.6m, frac-zone with clay
	268.6	268.6-269.3m, cal vein
	269.3	269.3-270.8m, fractured ls with clay
	270.8	270.8-276.2m, fractured alt(ss)sl) with clay
	276.2	276.2-280.0m, fractured ls with clay
	280.0	280.0-282.8m, grey ls with cal veinlets
		280.6-280.8m, clay
	282.8	282.8-284.6m, ls with abundant cal vein and (py)
	284.6	284.6-284.75m, clay
	284.75	284.75-289.9m, grey ls partly skarnized(rhodo) with abundant cal
	289.9	289.9-294.1m, grey ls partly skarnized with cal veinlets
	294.1	294.1-296.3m, grey ls partly skarnized(ep, rhodo) with abundant cal
	296.3	296.3-298.8m, grey ls partly skarnized
		298.8-299.9m, frac-zone with cal

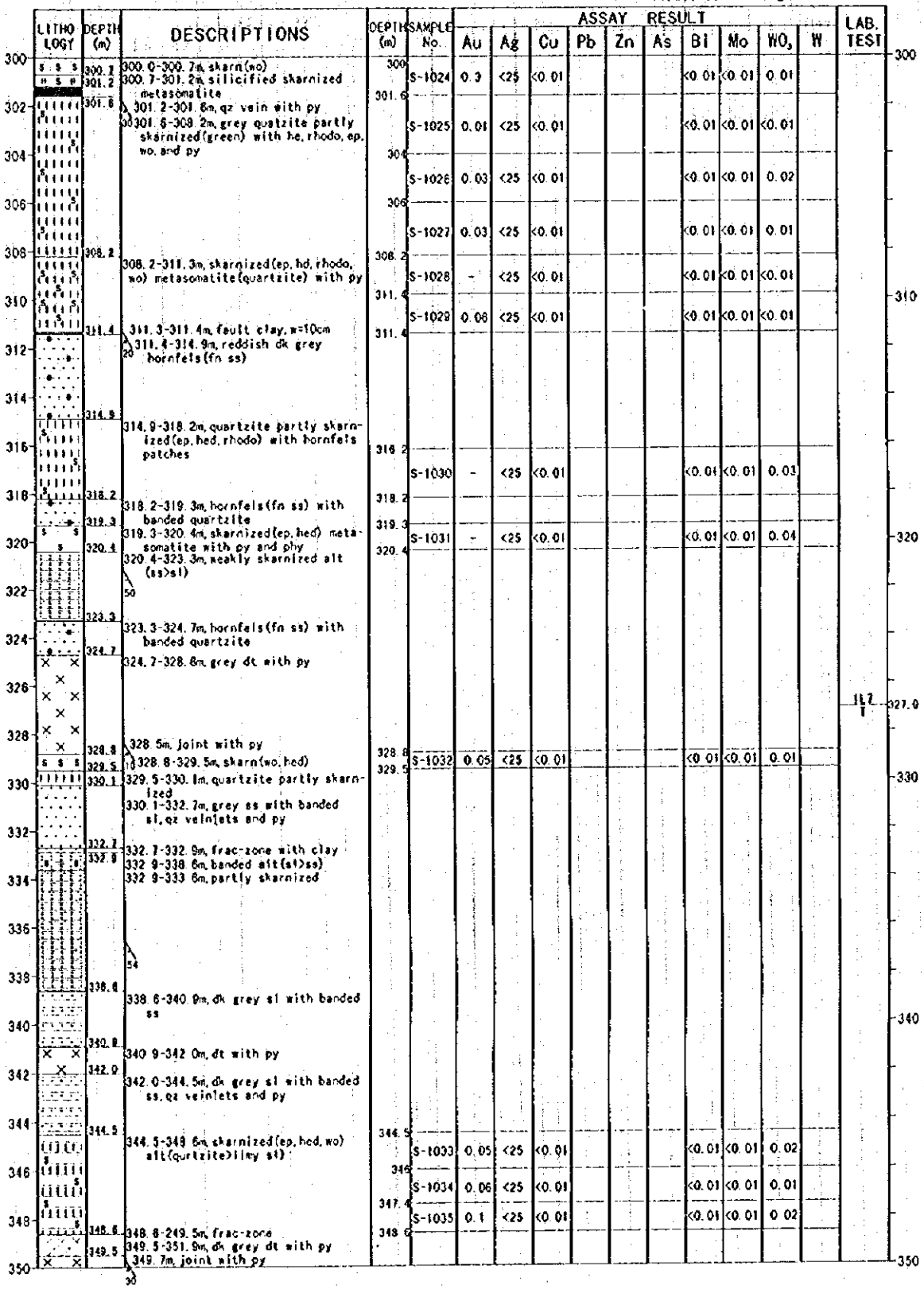
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
245.5												
	S-1016	0.01	<25	<0.01				<0.01	<0.01	<0.01		
255.9												
	S-1017	0.01	<25	<0.01				<0.01	<0.01	<0.01		
257.2												
	S-1018	0.01	<25	<0.01				<0.01	<0.01	<0.01		
258.8												
	S-1019	0.1	<25	<0.01				<0.01	<0.01	<0.01		
260												
	S-1020	0.4	<25	<0.01				<0.01	<0.01	<0.01		
261												
	S-1021	0.06	<25	<0.01				<0.01	<0.01	<0.01		
262												
	S-1022	-	<25	<0.01				<0.01	<0.01	<0.01		
263												
263.8	S-1023	-	<25	<0.01				<0.01	<0.01	<0.01		

GEOLOGIC CORE LOG OF MJUS-1 (7/8)

1/200

MJUS-1 (7/8) 300 m ~ 350 m

Level 230.72m Direction S60°W
X 86,764.60m Inclination -75°
Y 71,230.00m Length 352.0m



GEOLOGIC CORE LOG OF MJUS-1 (8/8)

1/200

MJUS－1 (8／8)　350 m ～　400 m

Level　230.72m　Direction　S60°W
X　86,764.60m　Inclination　-75°
Y　71,230.00m　Length　352.0m

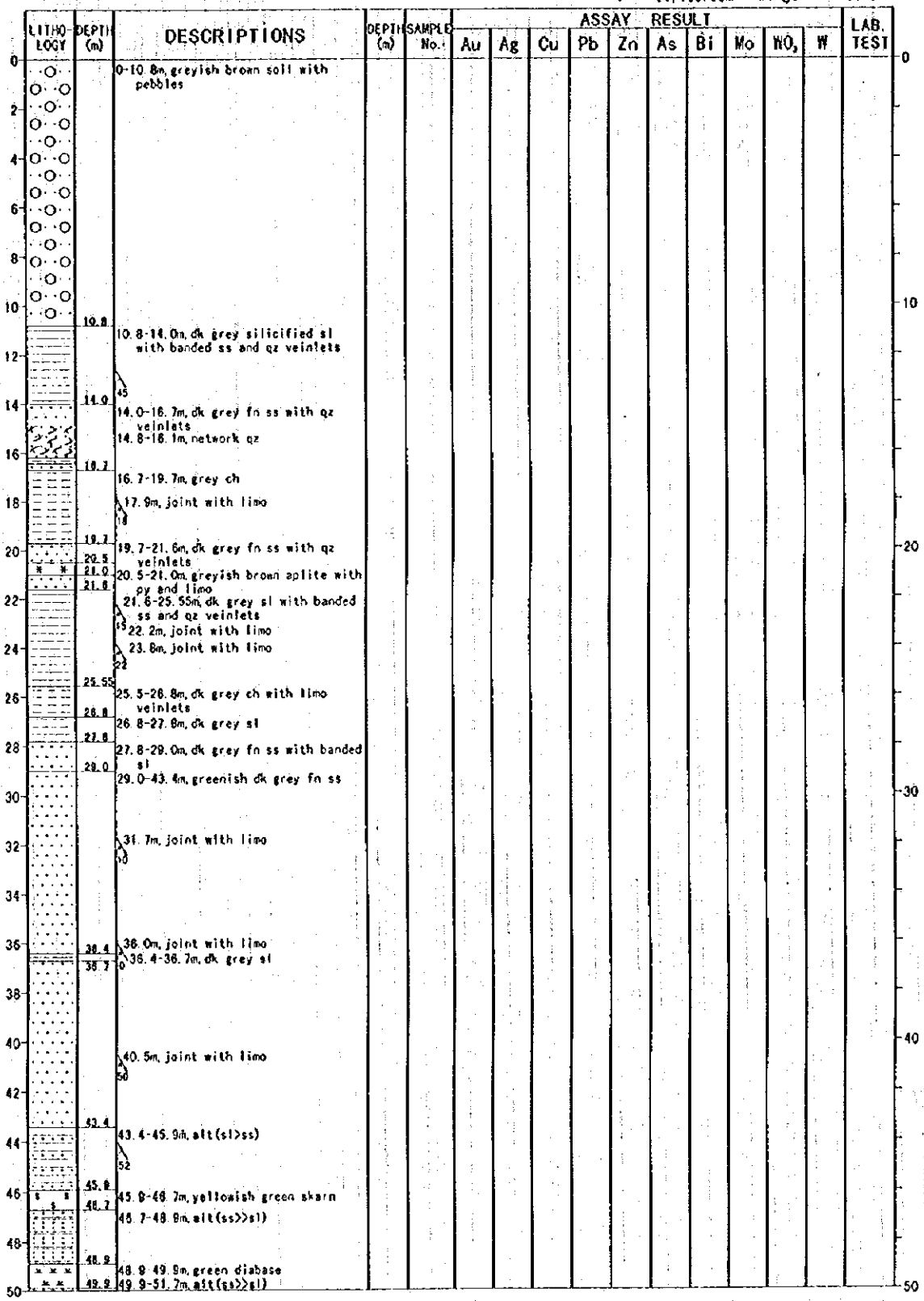
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
350															
× ×		350.8m, joint with cal·py, w=0.2cm													
×															
× ×	351.8	351.8-352.0m, grey quartzite													
352	352.0	352.0m, Bottom of the hole													

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

1/200

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

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

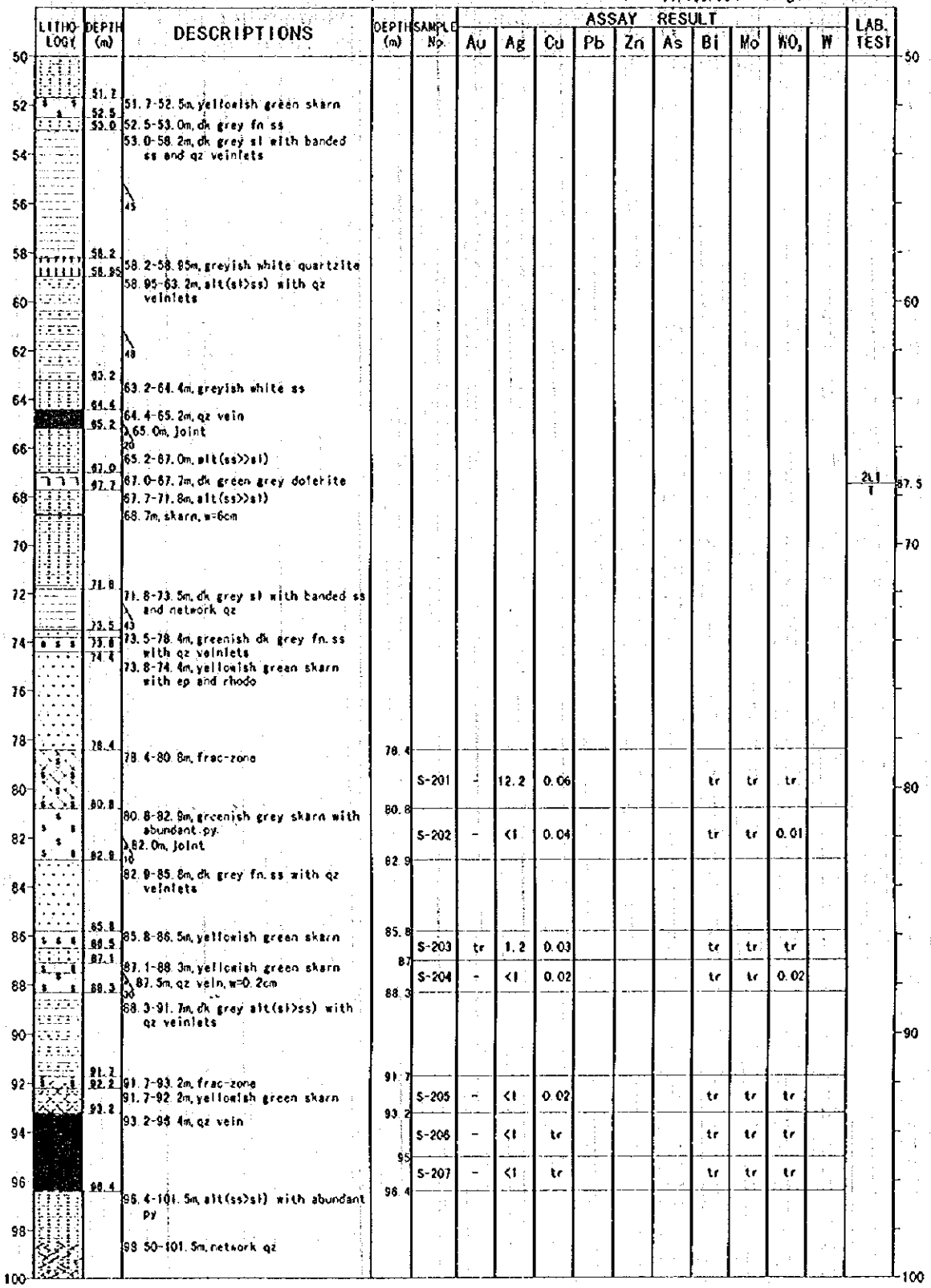


GEOLOGIC CORE LOG OF MJUS-2 (2/9)

1/200

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

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m



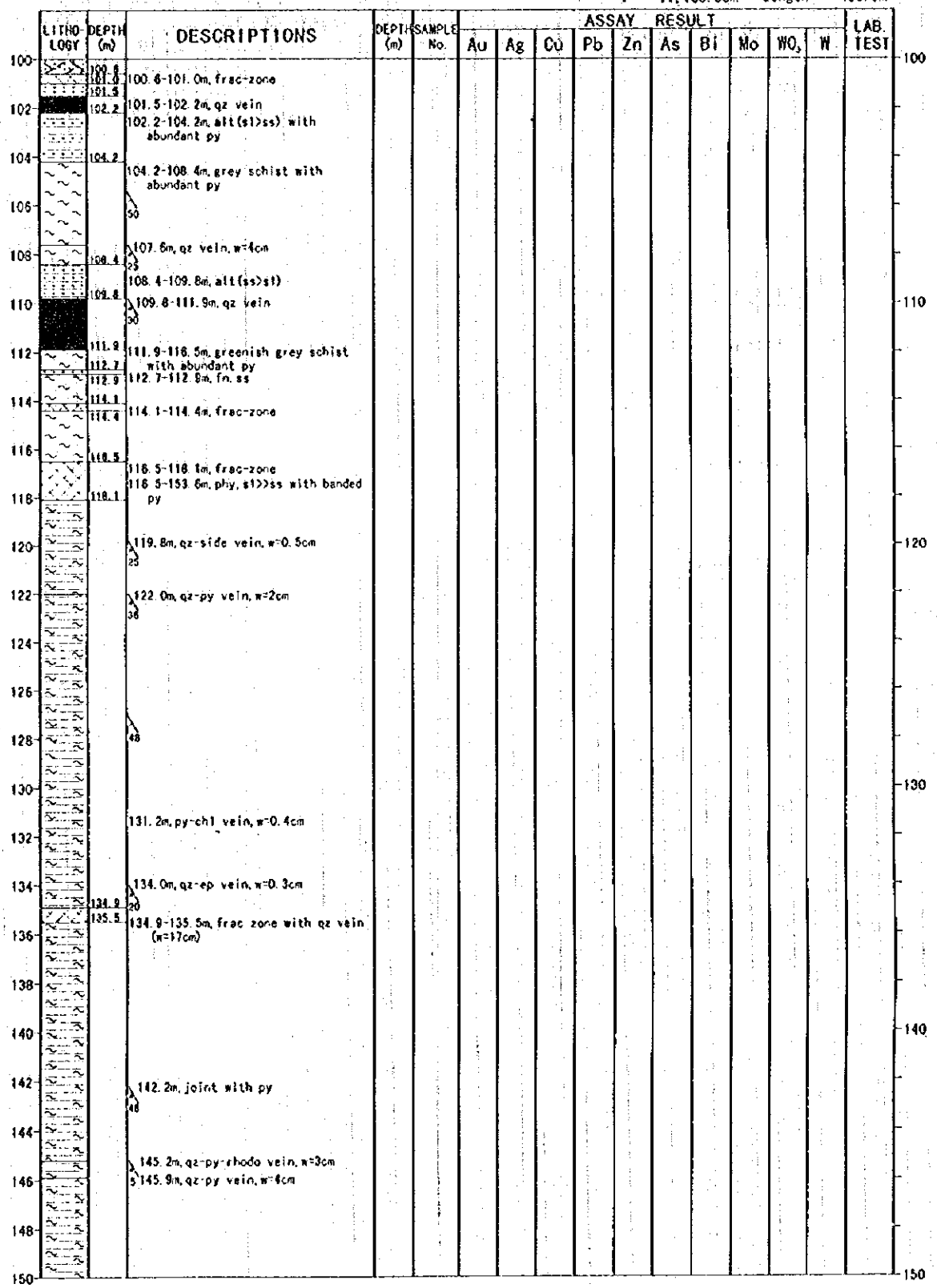
LITHO LOG	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO3	W	LAB. TEST
	51.2	51.7-52.5m, yellowish green skarn	78.4												
	52.5	52.5-53.0m, dk grey fn ss		S-201	-	12.2	0.06				tr	tr	tr		
	53.0	53.0-58.2m, dk grey sl with banded ss and qz veinlets	80.8												
		45		S-202	-	<1	0.04				tr	tr	0.01		
	58.2	58.2-58.85m, greyish white quartzite	82.9												
	58.85	58.95-63.2m, alt(sl>ss) with qz veinlets													
		48	85.8												
	63.2	63.2-64.4m, greyish white ss		S-203	tr	1.2	0.03				tr	tr	tr		
	64.4	64.4-65.2m, qz vein	87												
	65.2	65.0m, joint		S-204	-	<1	0.02				tr	tr	0.02		
		20	88.3												
		65.2-67.0m, alt(ss>>sl)													
	67.0	67.0-67.7m, dk green grey dolerite	91.7												
	67.7	67.7-71.8m, alt(ss>>sl)		S-205	-	<1	0.02				tr	tr	tr		
		68.7m, skarn, w=6cm	93.2												
				S-206	-	<1	tr				tr	tr	tr		
			95												
				S-207	-	<1	tr				tr	tr	tr		
			98.4												
	71.8	71.8-73.5m, dk grey sl with banded ss and network qz													2L1
		43													1
	73.5	73.5-78.4m, greenish dk grey fn. ss with qz veinlets													
	73.8	73.8-74.4m, yellowish green skarn with ep and rhodo													
	74.4														
	78.4	78.4-80.8m, frac-zone													
	80.8	80.8-82.9m, greenish grey skarn with abundant py													
		82.0m, joint													
	82.9	82.9-85.8m, dk grey fn. ss with qz veinlets													
	85.8	85.8-86.5m, yellowish green skarn													
	86.5	87.1-88.3m, yellowish green skarn													
	87.1	87.5m, qz vein, w=0.2cm													
	88.3	88.3-91.7m, dk grey alt(sl>ss) with qz veinlets													
	91.2	91.7-93.2m, frac-zone													
	92.2	91.7-92.2m, yellowish green skarn													
	93.2	93.2-98.4m, qz vein													
	98.4	98.4-101.5m, alt(ss>sl) with abundant py													
		98.50-101.5m, network qz													

GEOLOGIC CORE LOG OF MJUS-2 (3/9)

1/200

MJUS-2 (3/9) 100 m ~ 150 m

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

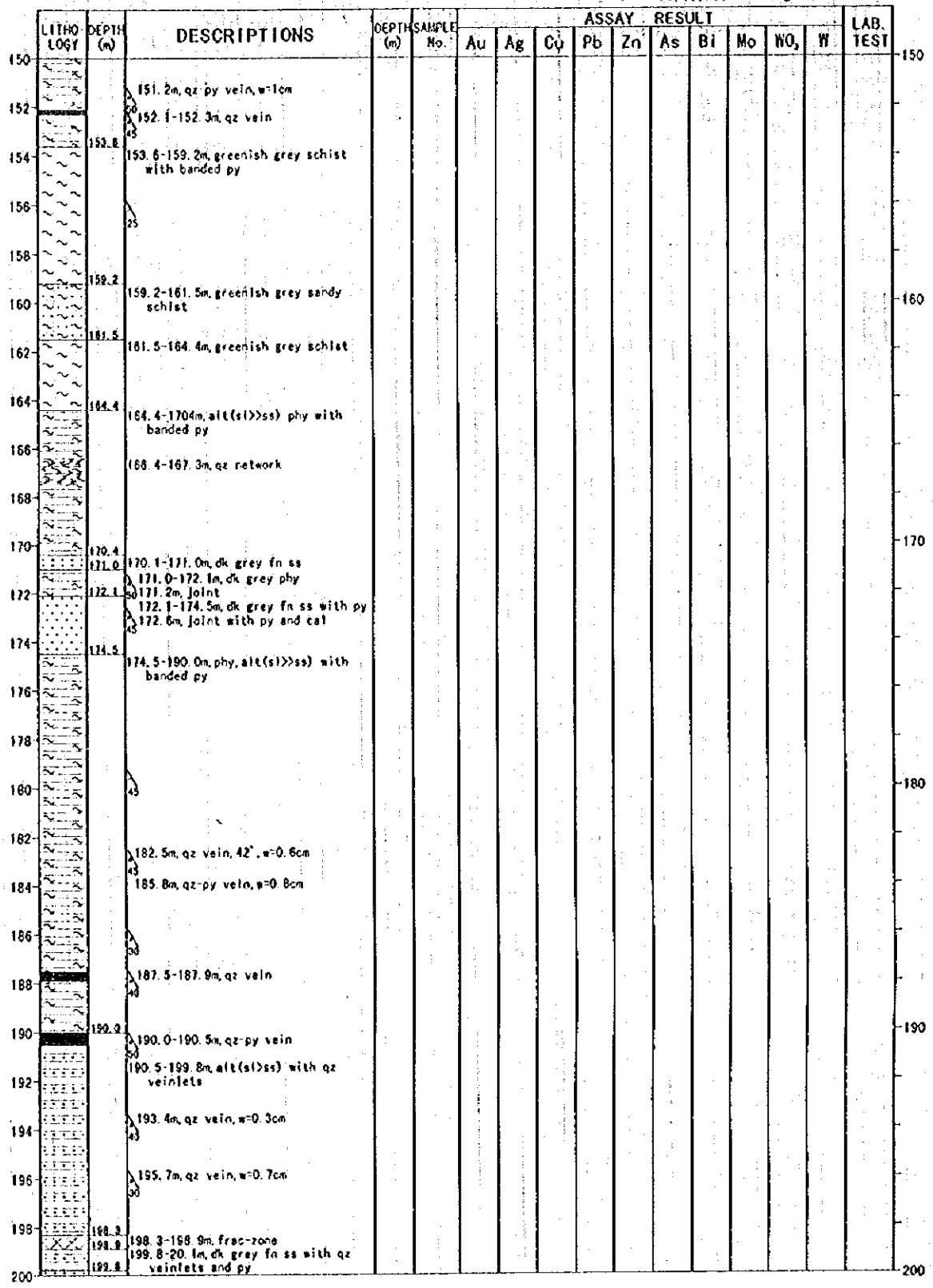


GEOLOGIC CORE LOG OF MJUS-2 (4/9)

1/200

MJUS-2 (4/9) 150 m ~ 200 m

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

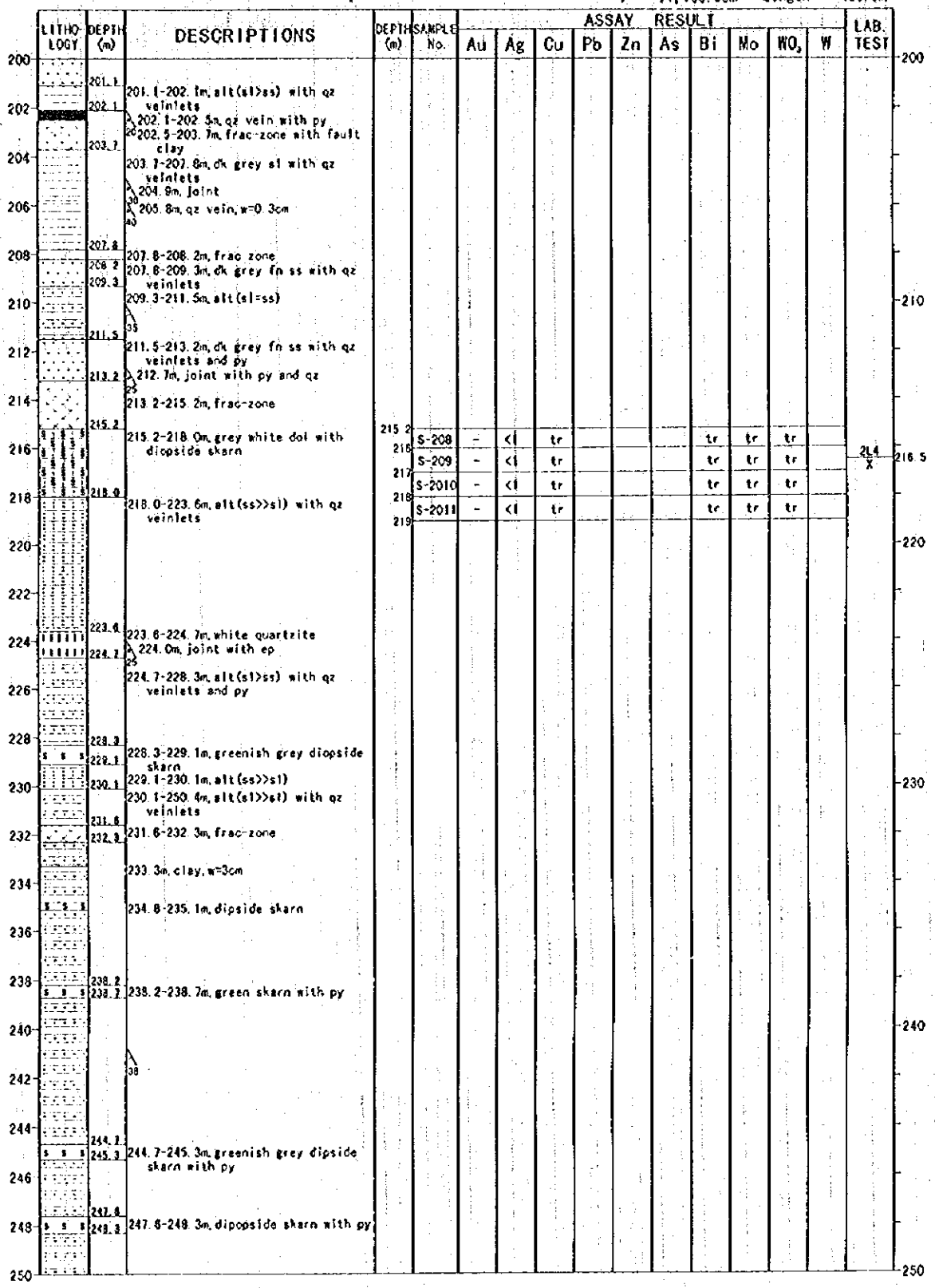


GEOLOGIC CORE LOG OF MJUS-2 (5/9)

1/200

MJUS-2 (5/9) 200 m ~ 250 m

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

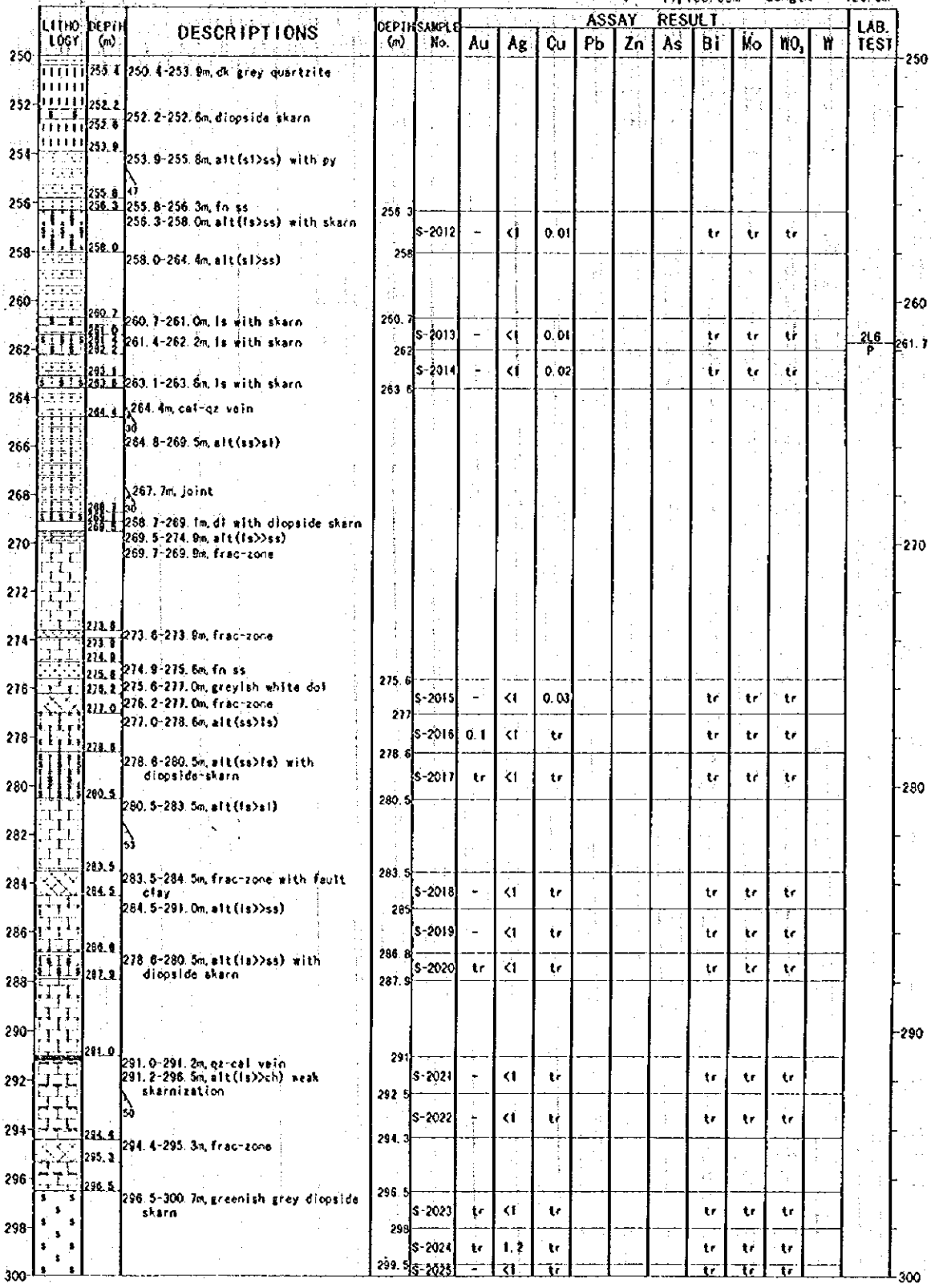


GEOLOGIC CORE LOG OF MJUS-2 (6/9)

1/200

MJUS-2 (6/9) 250 m ~ 300 m

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

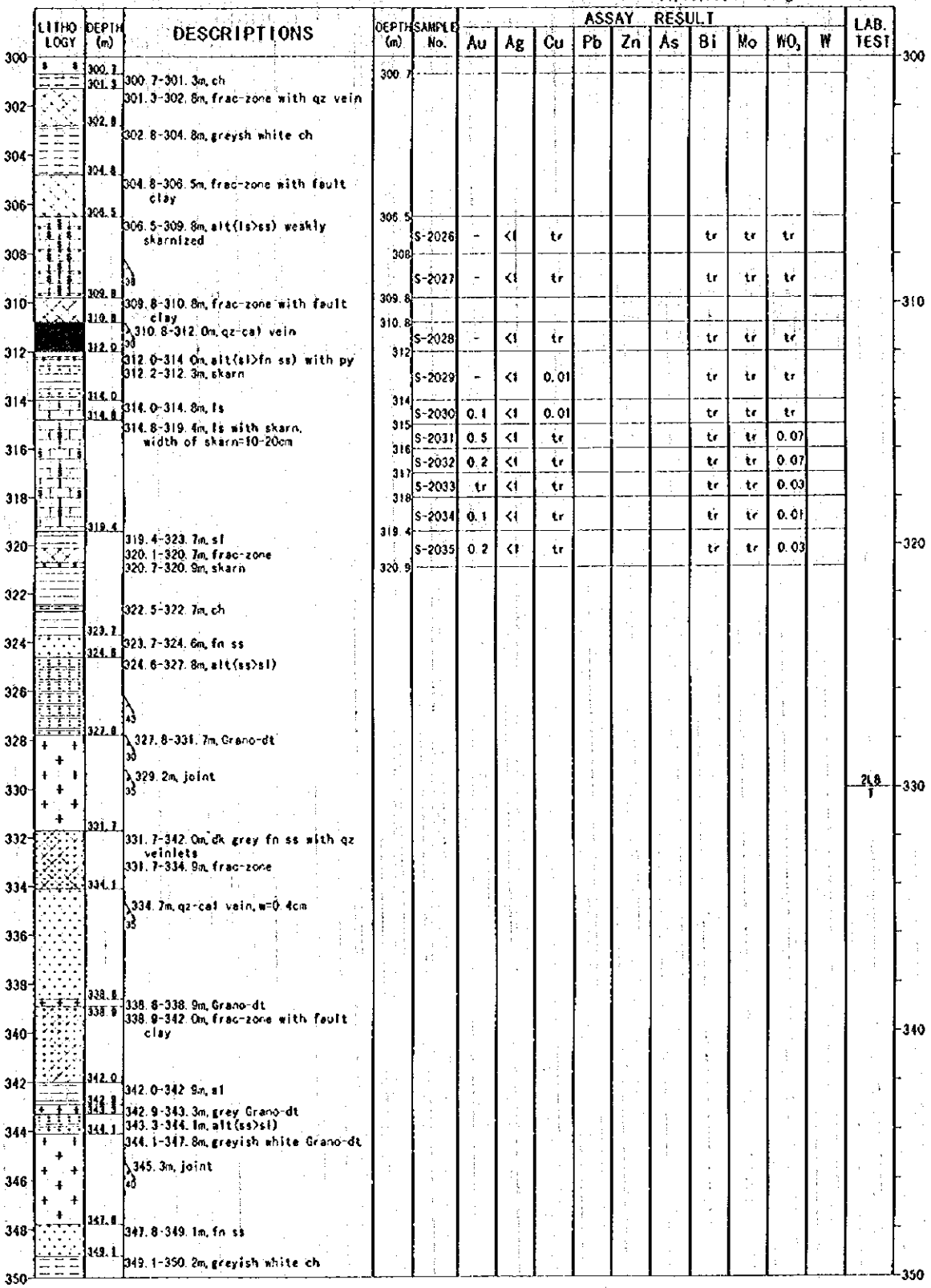


GEOLOGIC CORE LOG OF MJUS-2 (7/9)

1/200

MJUS-2 (7/9) 300 m ~ 350 m

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

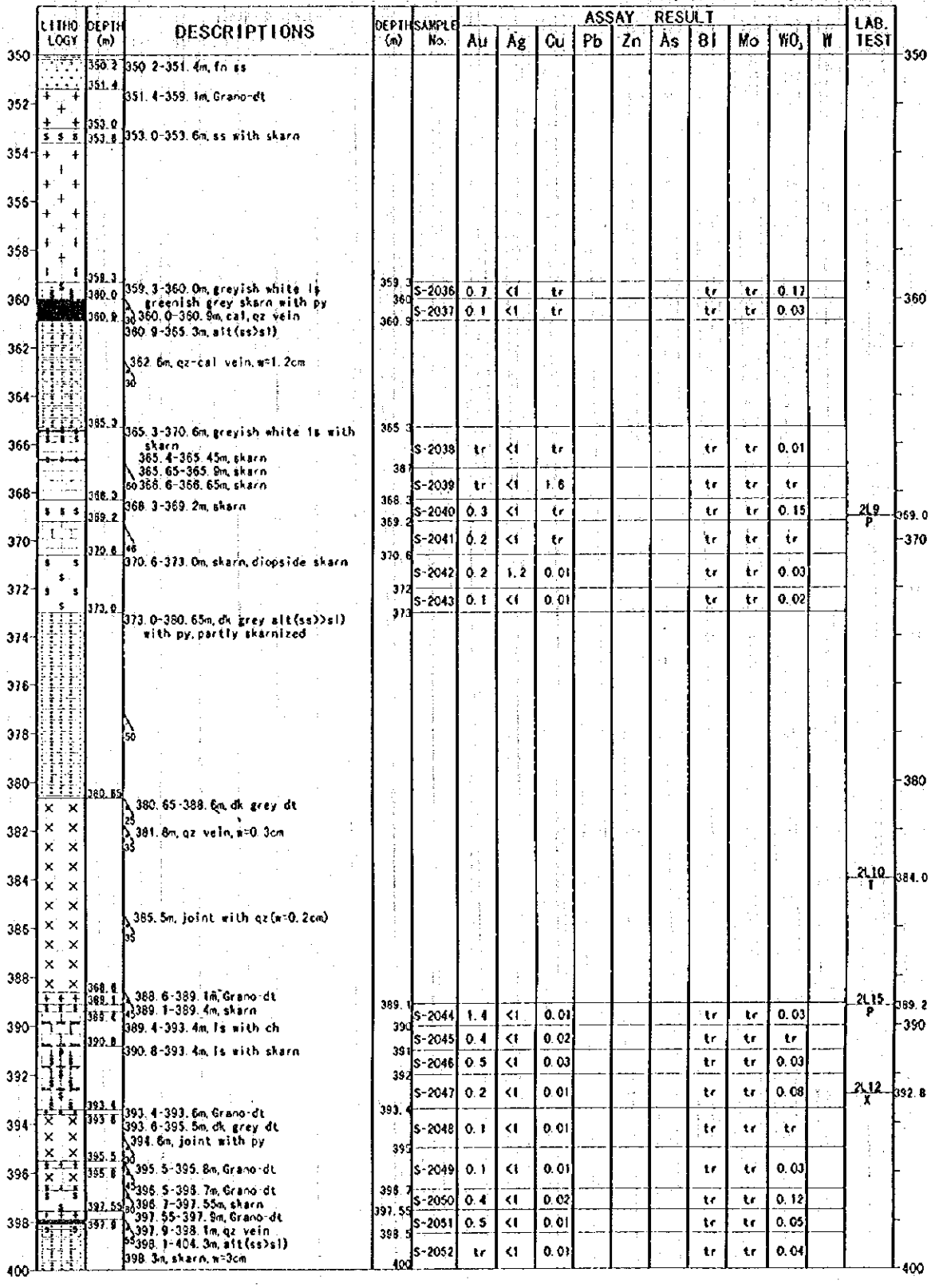


GEOLOGIC CORE LOG OF MJUS-2 (8/9)

1/200

MJUS-2 (8/9) 350 m ~ 400 m

Level 221.20m Direction S60°W
X 86,604.65m Inclination -75°
Y 71,163.53m Length 426.5m



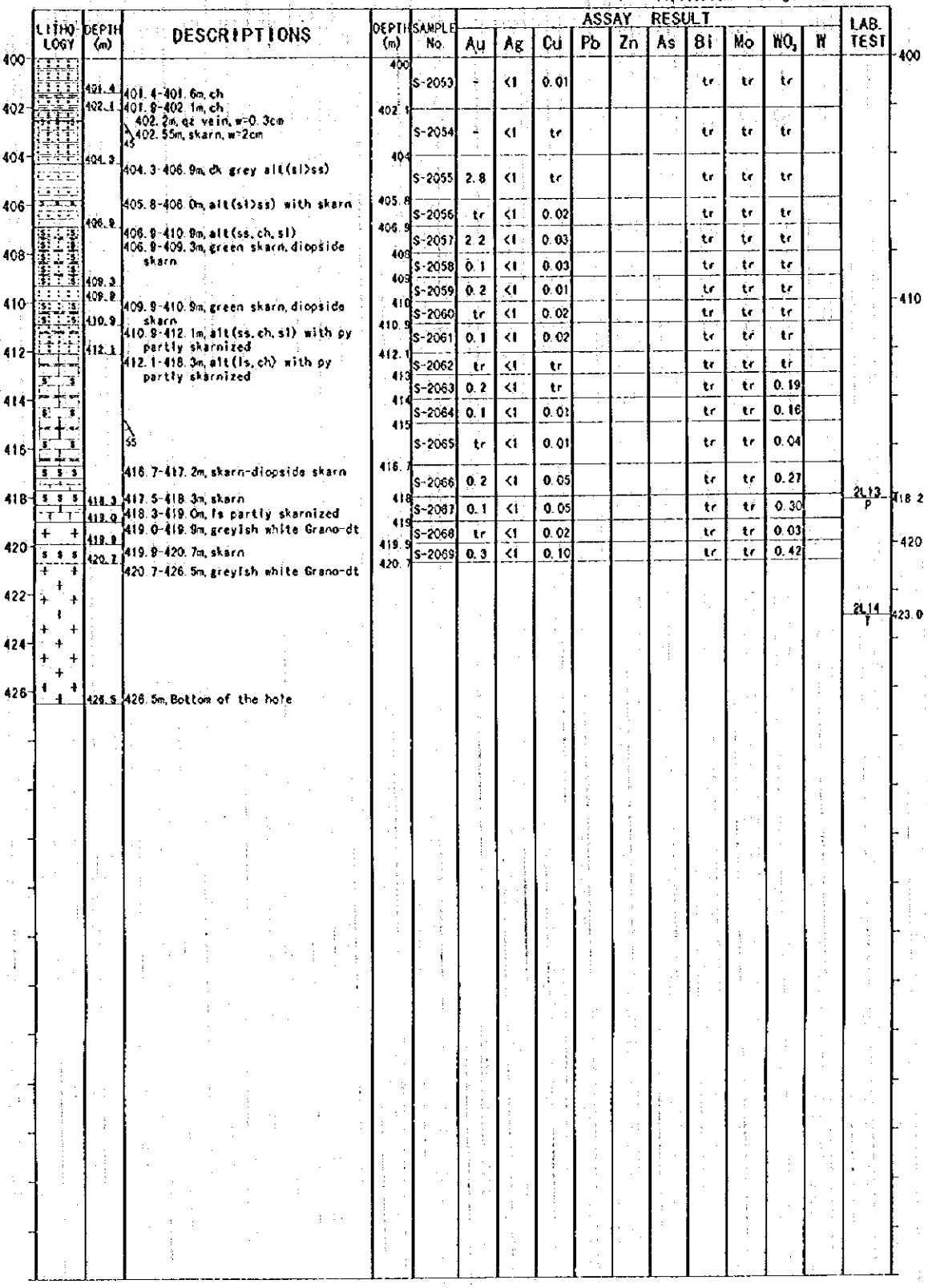
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
359.3	S-2036	0.7	<1	tr				tr	tr	0.12		
360	S-2037	0.1	<1	tr				tr	tr	0.03		
365.3	S-2038	tr	<1	tr				tr	tr	0.01		
367	S-2039	tr	<1	1.6				tr	tr	tr		
368.3	S-2040	0.3	<1	tr				tr	tr	0.15		2L9 P
369.2	S-2041	0.2	<1	tr				tr	tr	tr		
370.6	S-2042	0.2	1.2	0.01				tr	tr	0.03		
372	S-2043	0.1	<1	0.01				tr	tr	0.02		
373												
389.1	S-2044	1.4	<1	0.01				tr	tr	0.03		2L15 P
390	S-2045	0.4	<1	0.02				tr	tr	tr		
391	S-2046	0.5	<1	0.03				tr	tr	0.03		
392	S-2047	0.2	<1	0.01				tr	tr	0.08		2L12 X
393.4	S-2048	0.1	<1	0.01				tr	tr	tr		
393	S-2049	0.1	<1	0.01				tr	tr	0.03		
398.7	S-2050	0.4	<1	0.02				tr	tr	0.12		
397.55	S-2051	0.5	<1	0.01				tr	tr	0.05		
398.5	S-2052	tr	<1	0.01				tr	tr	0.04		
400												

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

1/200

MJUS-2 (9/9) 400 m ~ 426.5 m

Level 221.20m Direction S60°W
X 86,804.65m Inclination -75°
Y 71,163.53m Length 426.5m

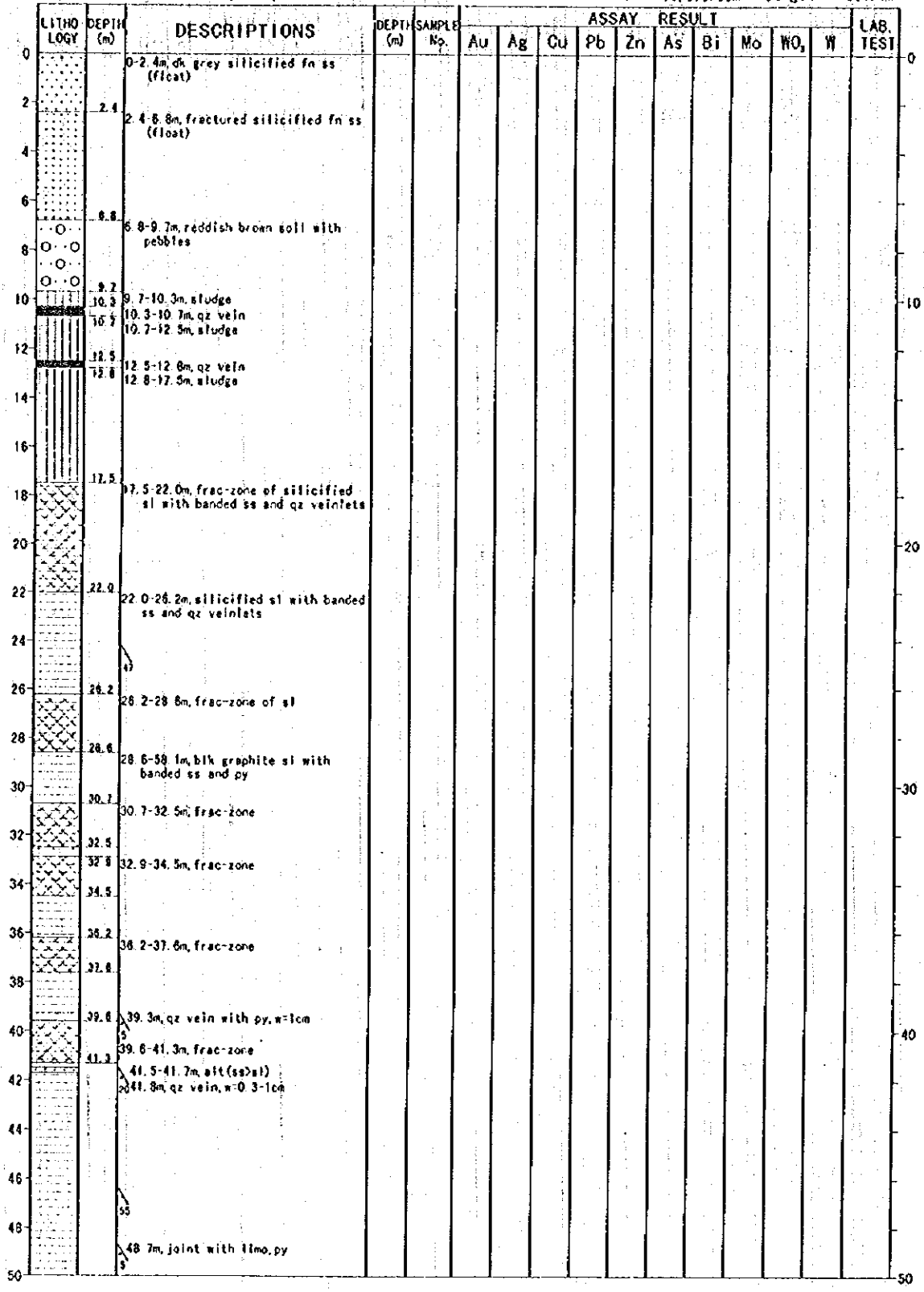


GEOLOGIC CORE LOG OF MJUS-3 (1/8)

1/200

MJUS-3 (1/8) 0 m ~ 50 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m

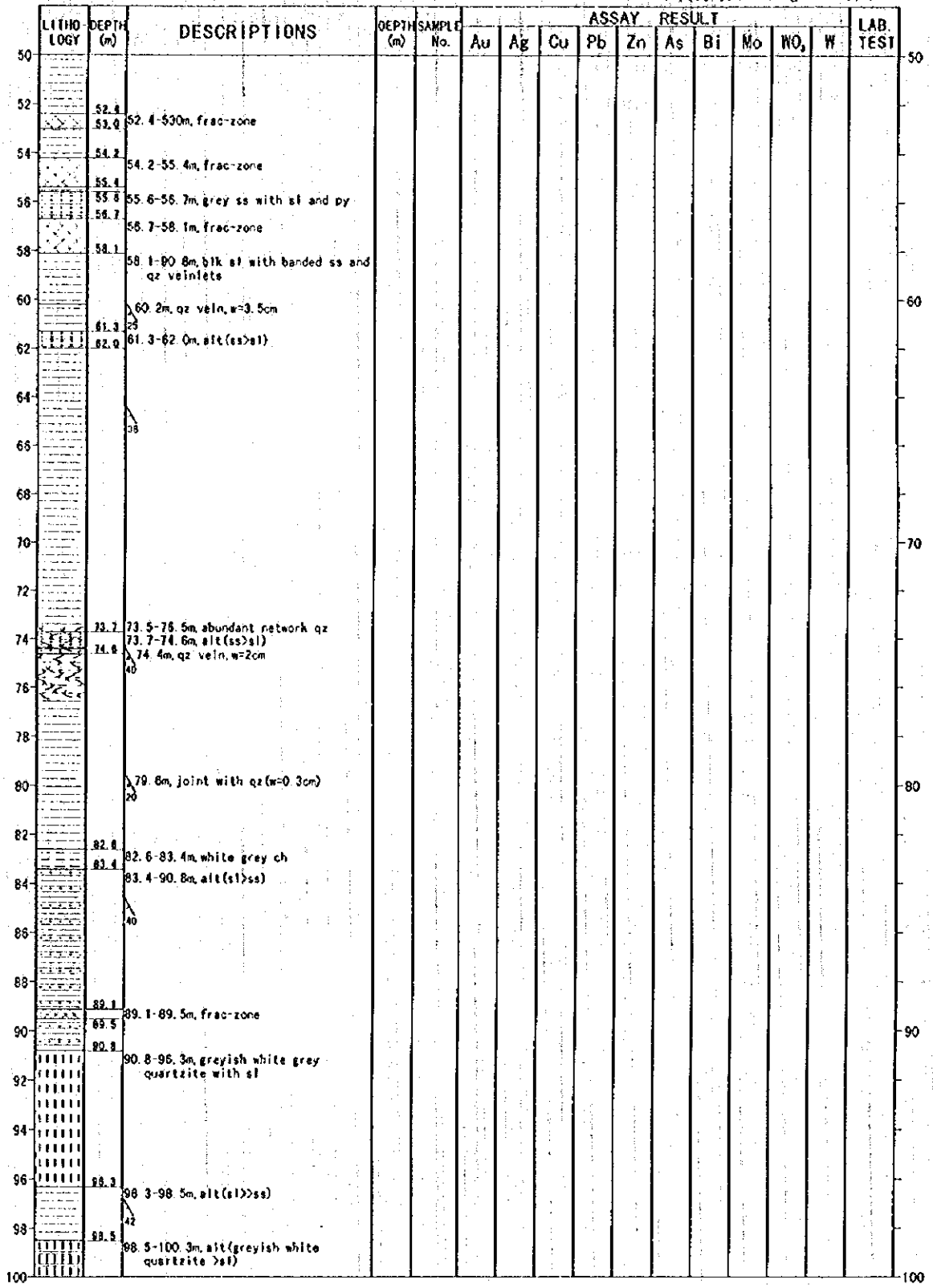


GEOLOGIC CORE LOG OF MJUS-3 (2/8)

1/200

MJUS－3 (2／8)　50 m ～ 100 m

Level 224.39m　Direction S60°W
X 85,807.00m　Inclination -75°
Y 71,070.00m　Length 381.4m

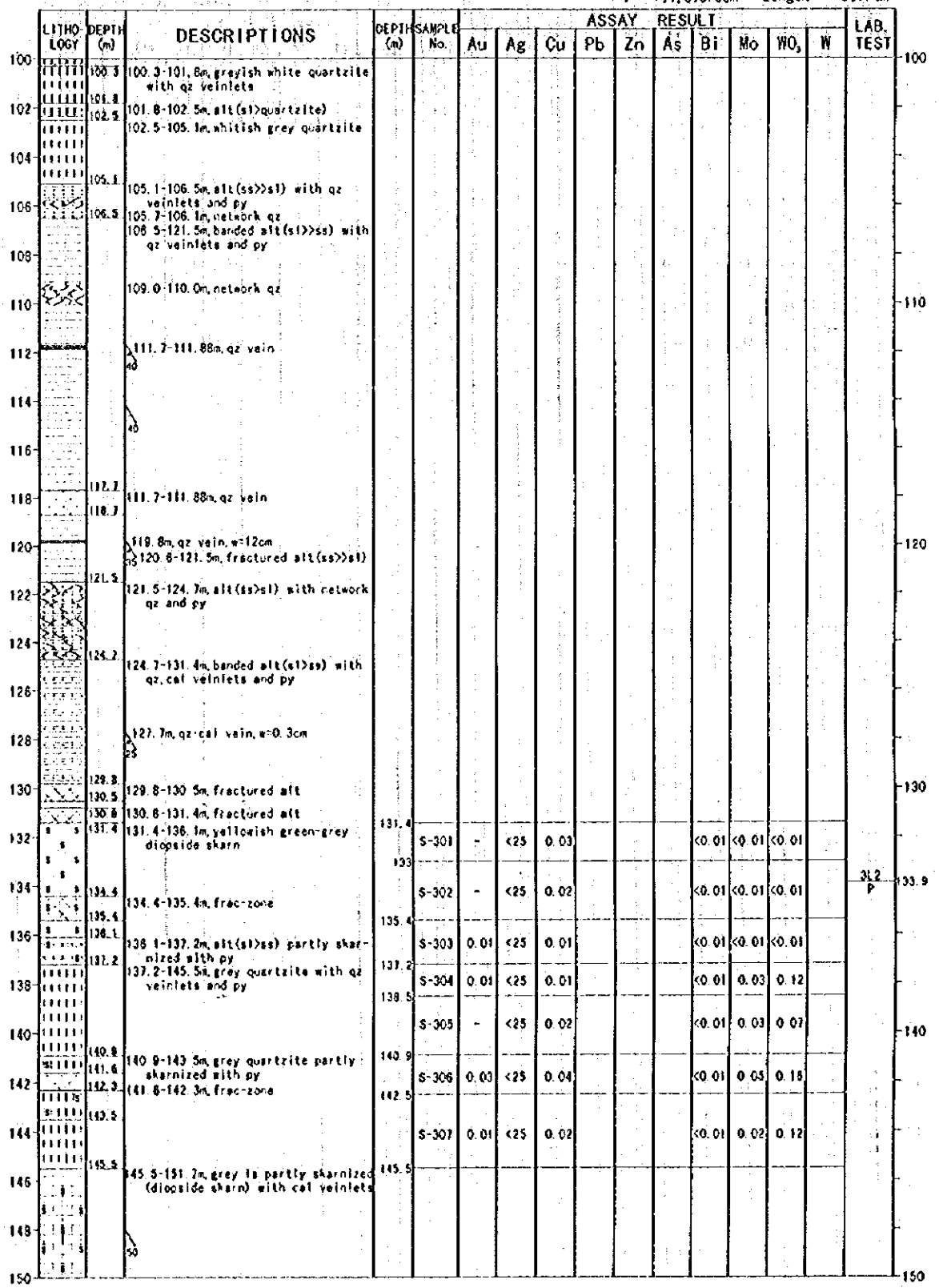


GEOLOGIC CORE LOG OF MJUS-3 (3/8)

1/200

MJUS-3 (3/8) 100 m ~ 150 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m

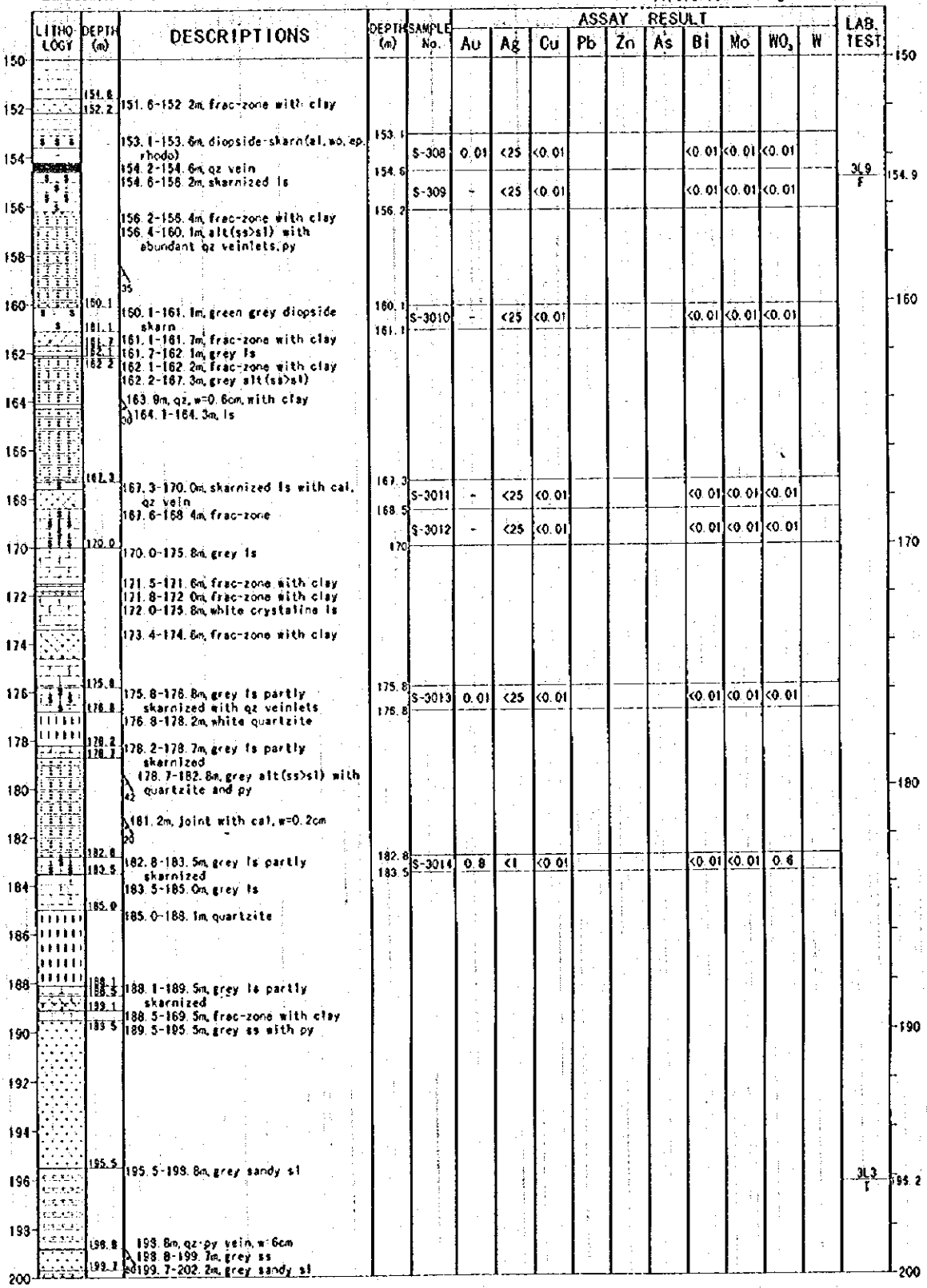


GEOLOGIC CORE LOG OF MJUS-3 (4/8)

1/200

MJUS-3 (4/8) 150 m ~ 200 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m



GEOLOGIC CORE LOG OF MJUS-3 (5/8)

1/200

MJUS-3 (5/8) 200 m ~ 250 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m

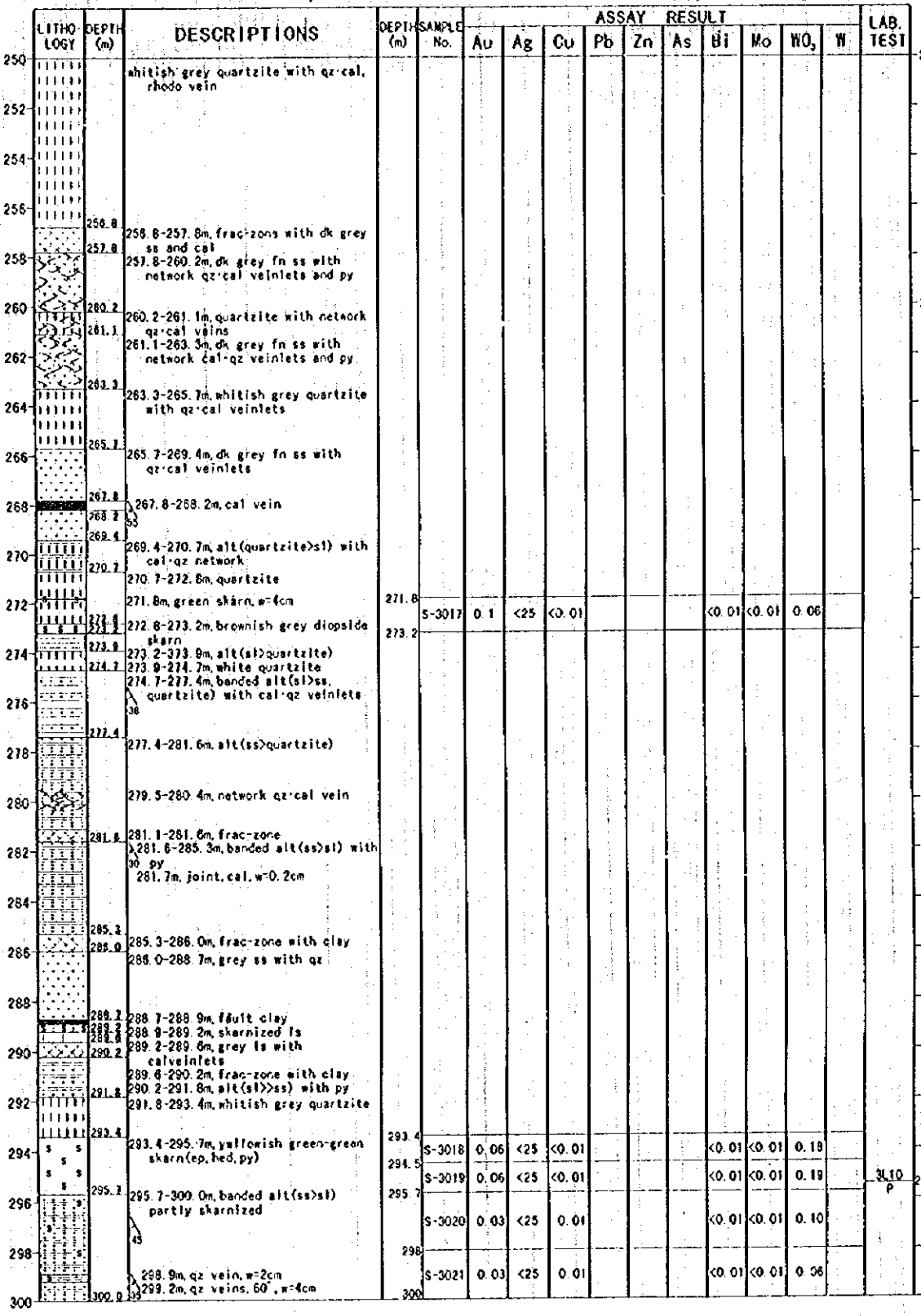
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
	202.2	202.2-207.1m, greyish white ls													
	207.1	207.1-210.0m, grey fn ss with py													
		208.6m, qz vein, w=10cm													
	210.0	210.0-210.4m, silicified and skarnized metasomatite with ep, py rhodo	210	S-3015	1.0	<25	0.01				<0.01	<0.01	0.27		
	210.4	210.4-213.3m, greyish white ls	210.4												
	213.3	213.3-215.3m, grey ss with banded sl and py													
	215.3	215.3-215.9m, partly skarnized greyish white ls													
	215.9	215.9-223.2m, alt(grey ls-white crystalline ls)													
	223.2	223.2-223.7m, dk grey po with py													
	223.7	223.7-223.9m, alt(sl>ss) with py													
	223.9	223.9-225.4m, alt(grey ls-white crystalline ls) partly skarnized													
	225.4														
	226.1	226.1-228.1m, banded alt(ss>sl, ls) with abundant cal, qz and py													
	228.1	228.1-230.0m, brownish white diopside skarn													
		228.0m, cal vein, w=10cm													
		228.1-230.0m, frac-zone with abundant clay and cal veins													
	230.0	230.0-230.3m, fractured quartzite													
	230.3	230.3-230.8m, frac-zone with cal													
	230.8	230.8-241.0m, alt(ss>>quartzite with network qz													
		233.7m, green skarn, w=3cm													
		238.0m, qz-cal vein, w=2cm													
	241.0	241.0-242.5m, diopside skarn(ep, rhodo)	241	S-3016	0.1	<25	<0.01				<0.01	<0.01	0.05		
	242.5	242.5-247.0m, partly skarnized quatzite with cal-qz veinlets	242.5												
	247.0	247.0-247.5m, fractured ls with cal veinlets													
	247.5	247.5-248.0m, whitish grey quartzite with rhodo-qz veins													
	248.0	248.0-248.5m, frac-zone													
	248.5														

GEOLOGIC CORE LOG OF MJUS-3 (6/8)

1/200

MJUS-3 (6/8) 250 m ~ 300 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m



GEOLOGIC CORE LOG OF MJUS-3 (7/8)

1/200

MJUS-3 (7/8) 300 m ~ 350 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	301.0	300.0-301.0m, skarnized ls with hed, ep and py
	302.3	301.0-302.3m, white quartzite partly skarnized
		302.3-309.1m, silicified alt(ss>sl) partly skarnized
		304.4m, cal vein, w=3-4cm
		304.6m, cal vein, w=3cm
		305.5-305.7m, white Grano-dt
	309.1	
	309.4	309.1-309.4m, white Grano-dt
	310.0	310.0-313.8m, dk grey dt with py
		312.0m, qz-cal vein, w=1-2cm
	313.8	
		313.8-317.0m, white quartzite
		314.8-315.0m, dk grey dt
	317.0	
		317.0-319.8m, silicified grey alt(ss>sl)
	319.8	
	320.85	319.8-321.9m, silicified partly skarnized metasomatite with py
	320.85	320.85-321.2m, green skarn
	321.6	
	322.35	
	323.7	
		323.7-324.5m, green skarn
	324.5	324.5-324.7m, ls partly skarnized
	324.7	324.7-326.0m, green skarn
	326.0	
		326.0-327.8m, qz vein with skarnized (rhodo, hed, ep) metasomatite
	327.8	
	328.0	327.8-328.0m, silicified skarnized metasomatite
		328.0-337.4m, dk grey ls partly skarnized
		328.2-328.35m, green skarn
	331.0	
	331.6	331.0-331.6m, green skarn
	332.1	
	332.4	332.1-332.4m, green skarn
	333.2	
	334.05	333.7-334.05m, green skarn
	336.0	
	337.0	336.0-337.0m, green skarn
	337.4	
	338.5	337.4-338.5m, green skarn
	339.3	338.5-343.2m, grey Grano-dt porphyry
	339.6	339.3-339.6m, frac-zone
	343.2	343.2-348.2m, grey dt with py and po
	348.2	
	348.6	348.2-348.6m, qz vein
		348.6-350.4m, silicified metasomatite partly skarnized
	349.7	349.7-349.9m, Grano-dt

DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
300	S-3022	1.6	1.2	<0.01				<0.01	<0.01	0.76		
301												
319.8	S-3023	0.06	<25	<0.01				<0.01	<0.01	0.15		
321.2	S-3024	0.8	1.2	0.01				<0.01	<0.01	0.48		
322.35	S-3025	0.4	<1	<0.01				<0.01	<0.01	0.06		
323.7	S-3026	1.6	<1	0.01				<0.01	<0.01	0.42		
324.7	S-3027	2.0	<1	0.01				<0.01	<0.01	0.58		
326	S-3028	0.06	<25	<0.01				<0.01	<0.01	0.16		
327.8	S-3029	0.06	<25	<0.01				<0.01	<0.01	0.11		
329.4	S-3030	0.03	<25	<0.01				<0.01	<0.01	0.12		
331	S-3031	0.8	<1	0.02				<0.01	<0.01	0.32		
332.4	S-3032	0.1	<25	<0.01				<0.01	0.02	0.33		
334.05	S-3033	0.01	<25	<0.01				<0.01	0.01	0.08		
335	S-3034	0.5	<25	<0.01				<0.01	<0.01	0.8		
337.4	S-3035	0.8	<25	0.02				<0.01	<0.01	1.4		
338.5												
346.2	S-3036	0.01	<25	0.01				<0.01	<0.01	0.16		
348	S-3037	0.01	<25	0.01				<0.01	<0.01	0.05		

312.5 T

327.0 311 F

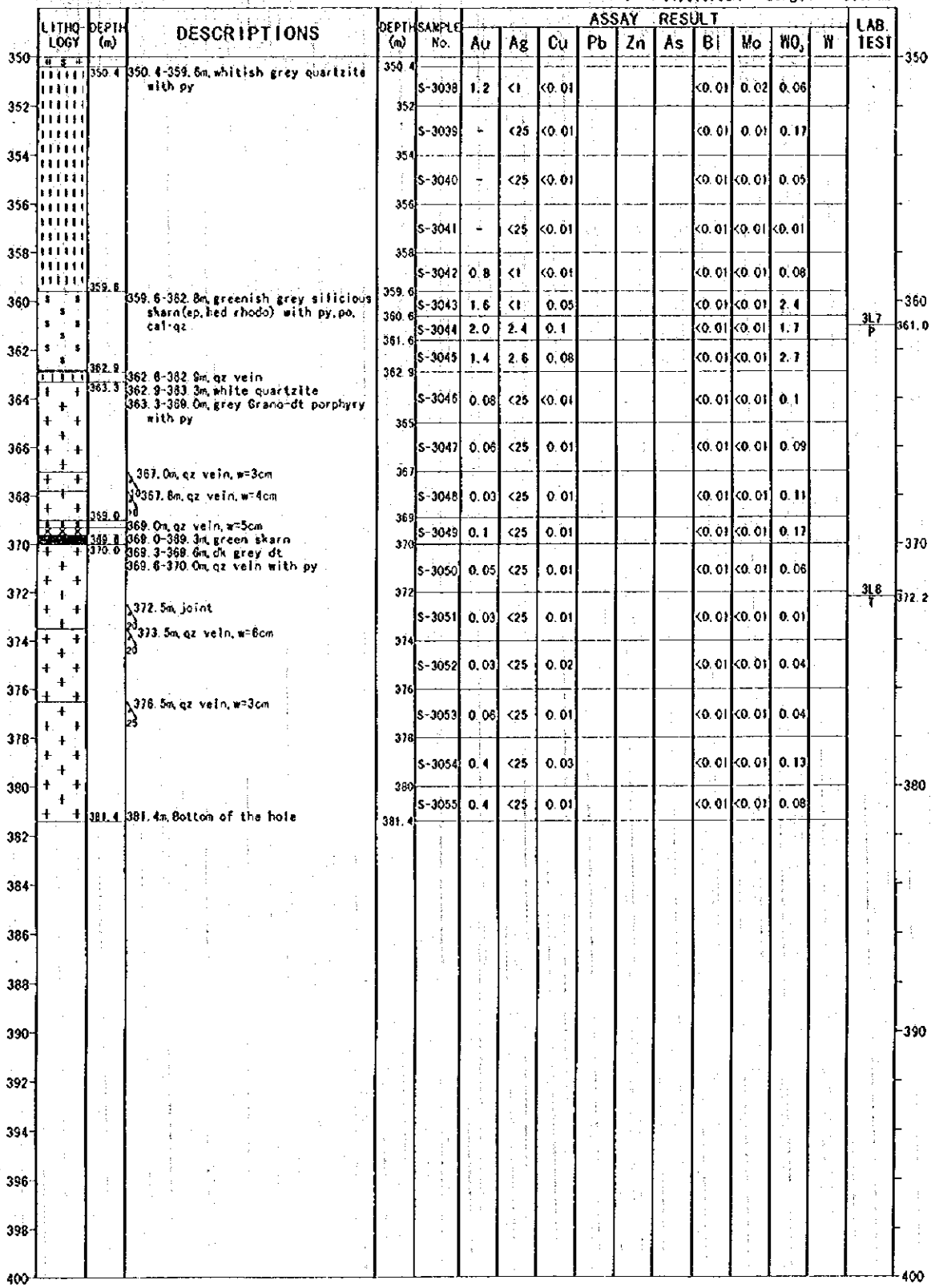
331.5 316 P

GEOLOGIC CORE LOG OF MJUS-3 (8/8)

1/200

MJUS-3 (8/8) 350 m ~ 400 m

Level 224.39m Direction S60°W
X 86,807.00m Inclination -75°
Y 71,070.00m Length 381.4m

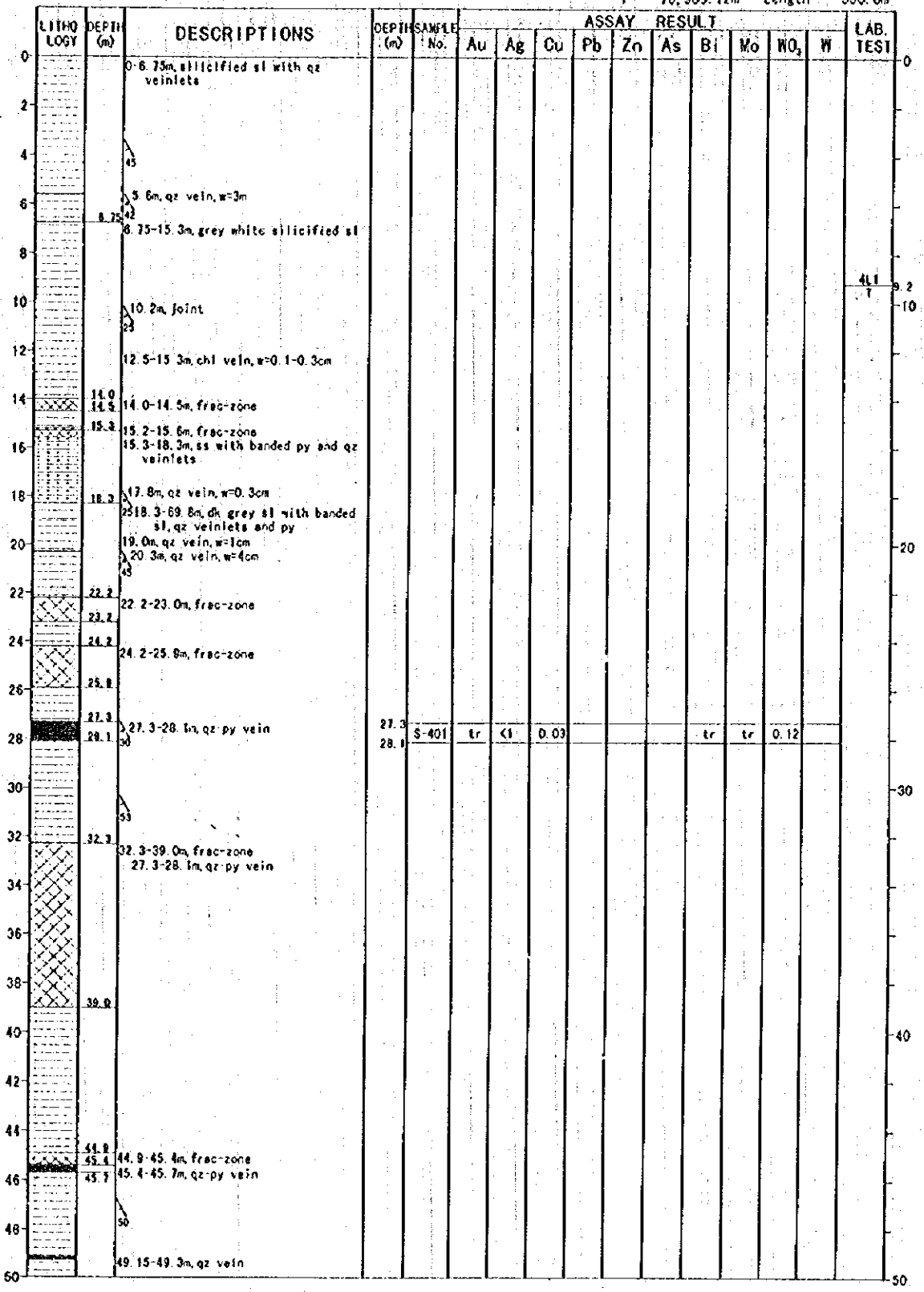


GEOLOGIC CORE LOG OF MJUS-4 (1/7)

1/200

MJUS-4 (1/7) 0 m ~ 50 m

Level 226.06m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,985.12m Length 350.0m

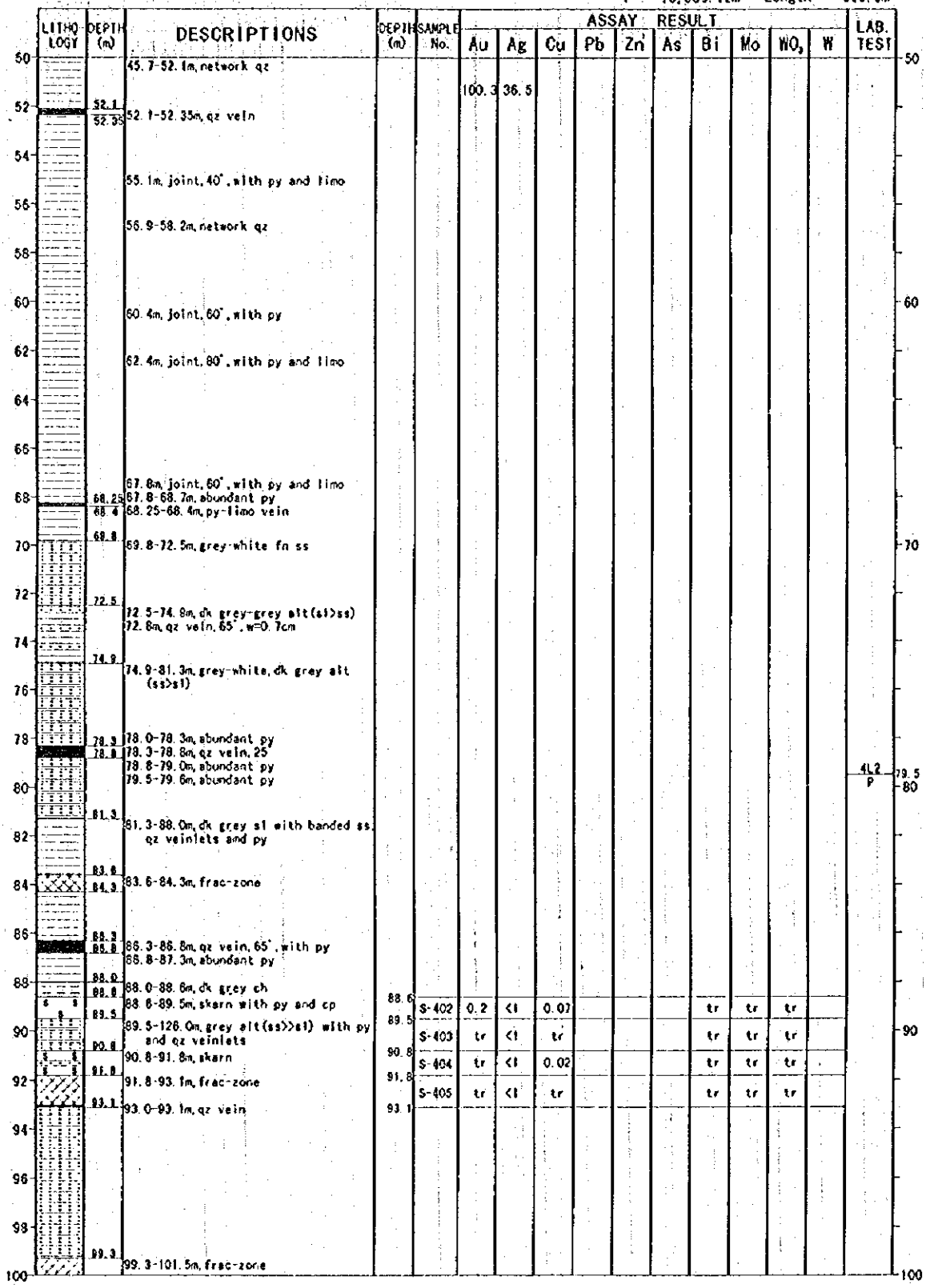


GEOLOGIC CORE LOG OF MJUS-4 (2/7)

1/200

MJUS-4 (2/7) 50 m ~ 100 m

Level 226.06m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,986.12m Length 350.0m

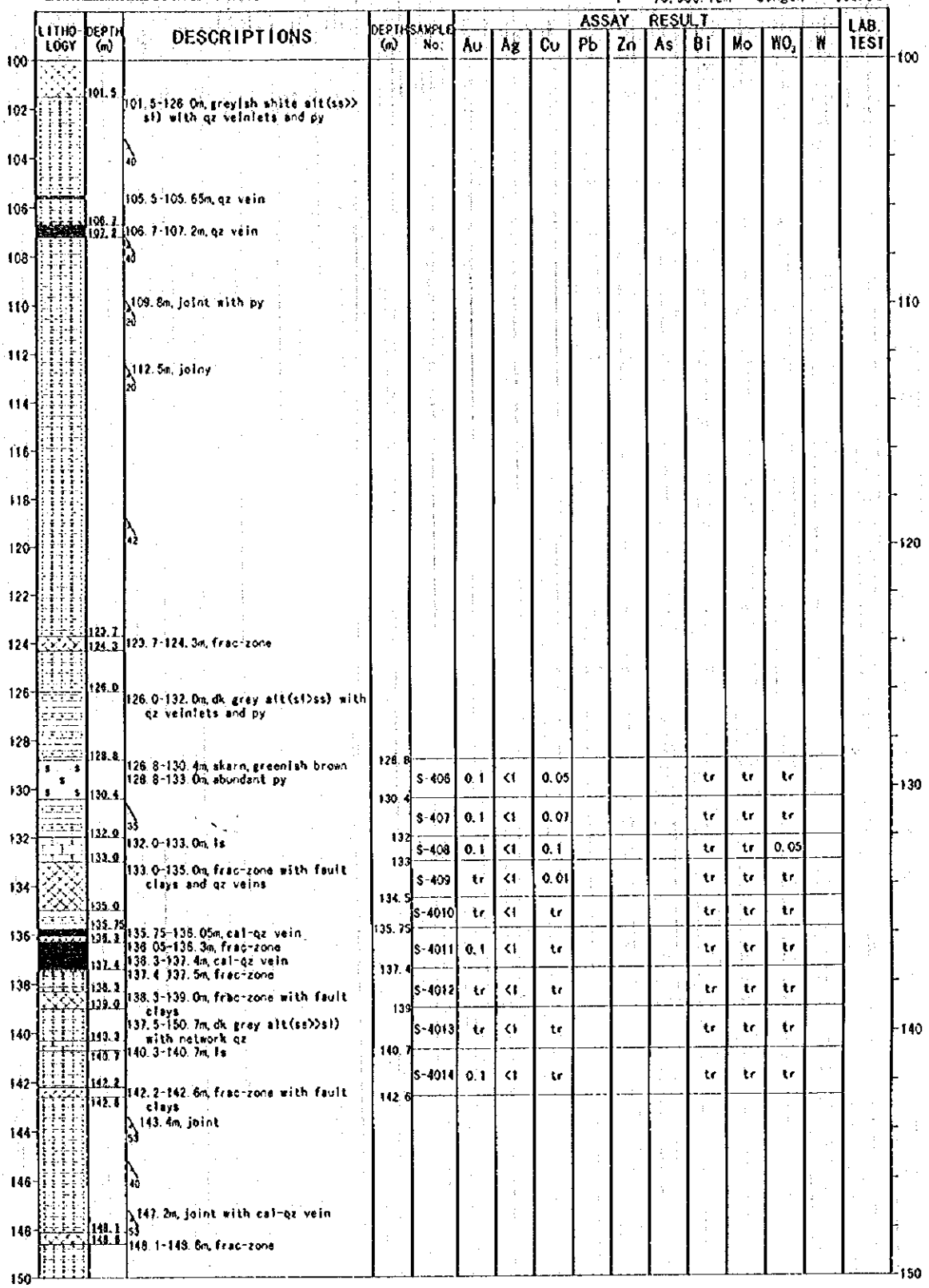


GEOLOGIC CORE LOG OF MJUS-4 (3/7)

1/200

MJUS-4 (3/7) 100 m ~ 150 m

Level 226.06m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,936.12m Length 350.0m

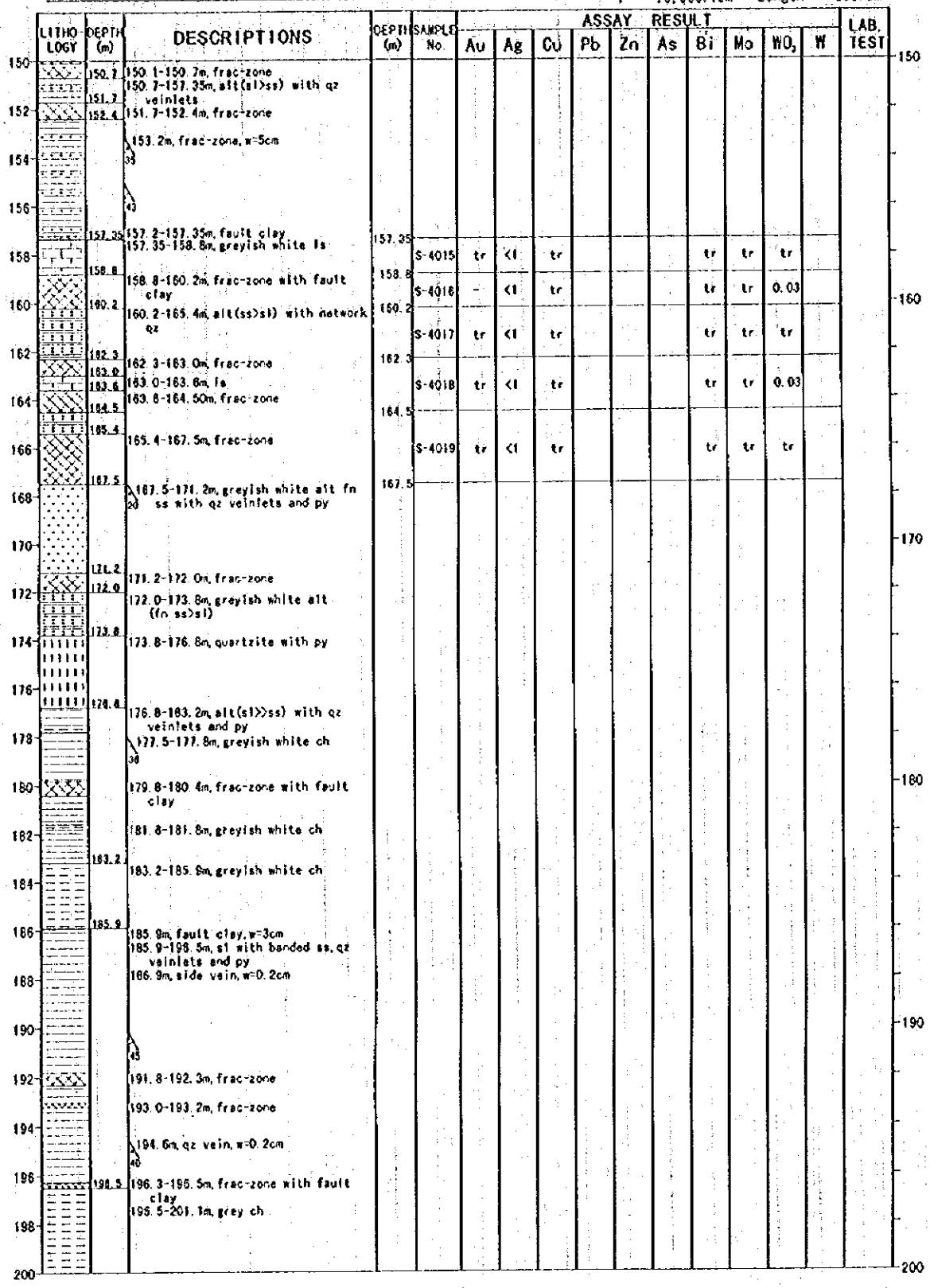


GEOLOGIC CORE LOG OF MJUS-4 (4/7)

1/200

MJUS-4 (4/7) 150 m ~ 200 m

Level 226.06m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,986.12m Length 350.0m

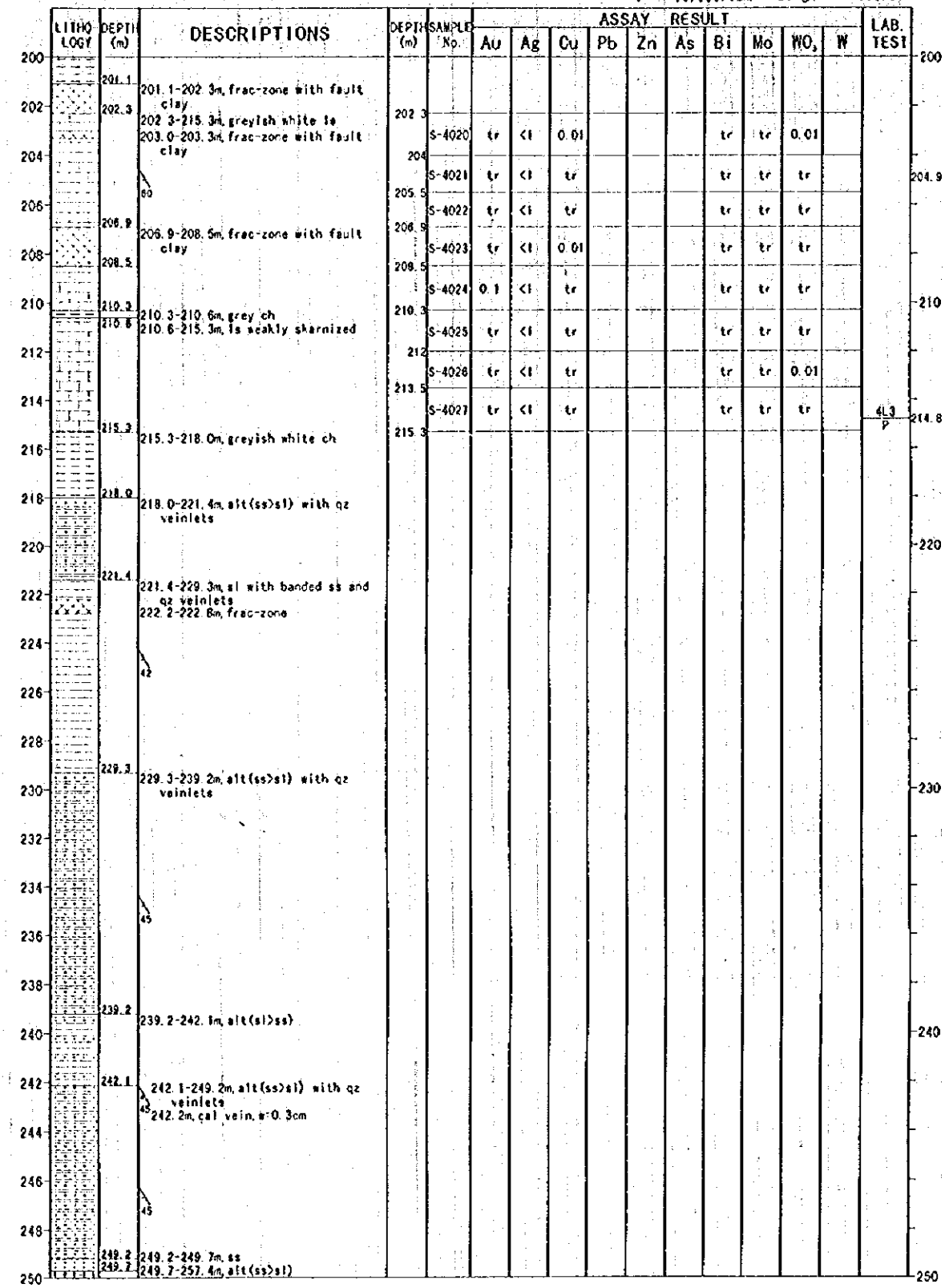


GEOLOGIC CORE LOG OF MJUS-4 (5/7)

1/200

MJUS-4 (5/7) 200 m ~ 250 m

Level 226.06m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,986.12m Length 350.0m

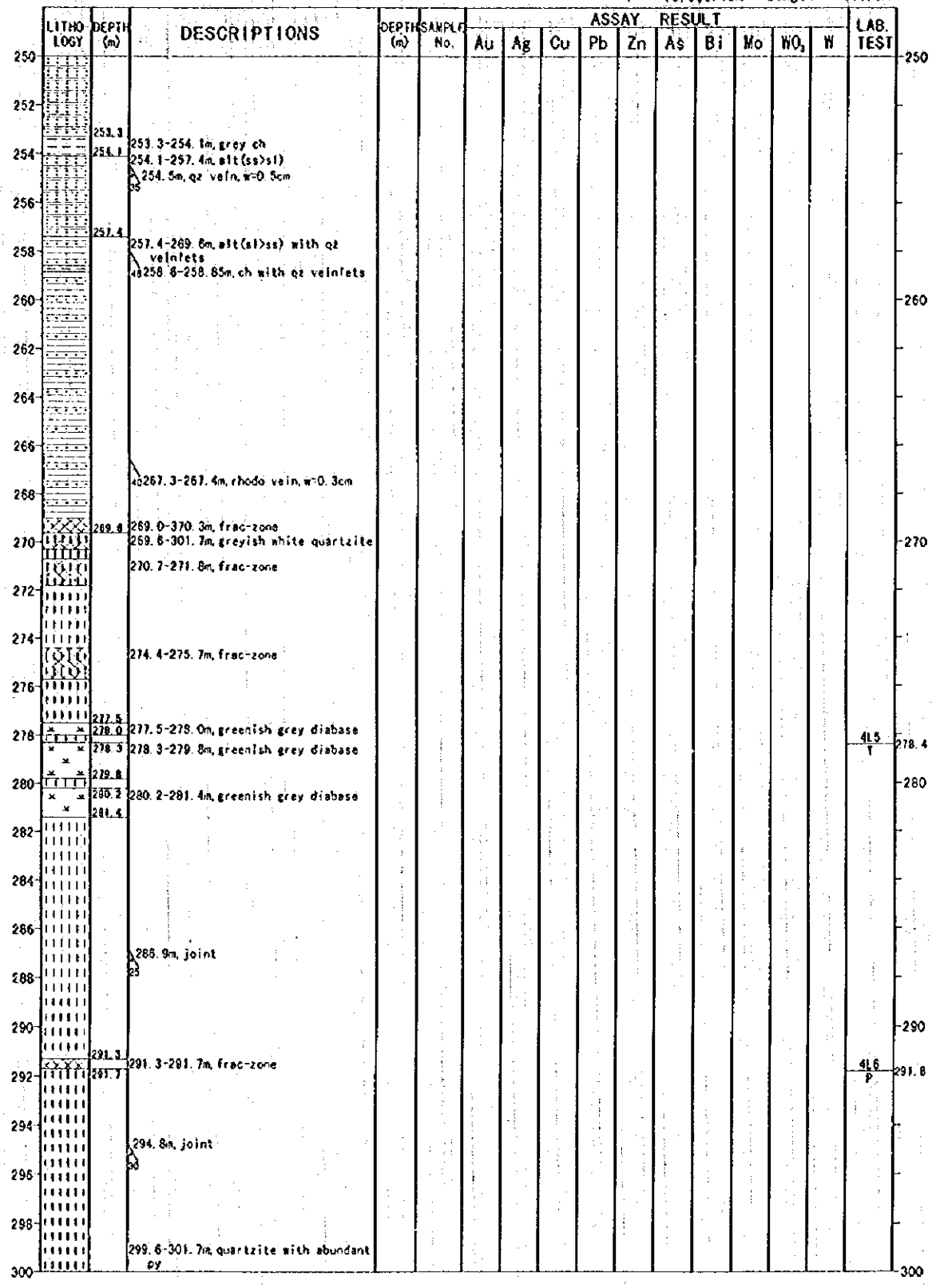


GEOLOGIC CORE LOG OF MJUS-4 (6/7)

1/200

MJUS-4 (6/7) 250 m ~ 300 m

Level 226.05m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,986.12m Length 350.0m

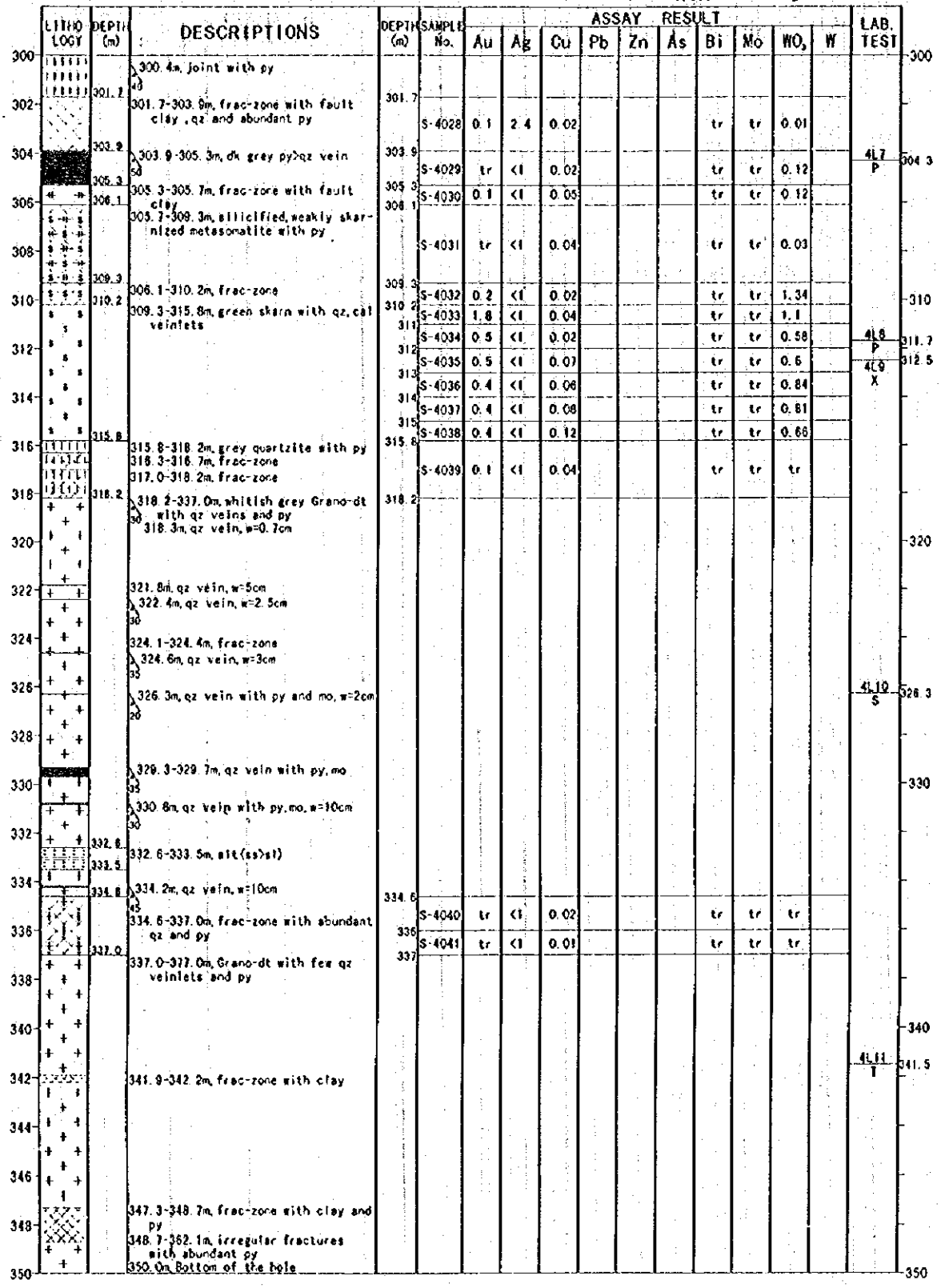


GEOLOGIC CORE LOG OF MJUS-4 (7/7)

1/200

MJUS-4 (7/7) 300 m ~ 350 m

Level 226.06m Direction S60°W
X 86,825.28m Inclination -75°
Y 70,986.12m Length 350.0m



DEPTH (m)	DESCRIPTIONS
300	300.4m, joint with py
301.2	301.7-303.9m, frac-zone with fault clay, qz and abundant py
303.9	303.9-305.3m, dk grey py>qz vein
305.3	305.3-305.7m, frac-zone with fault clay
306.1	305.7-309.3m, silicified, weakly skarnized metasomatite with py
309.3	306.1-310.2m, frac-zone
310.2	309.3-315.8m, green skarn with qz, cal veinlets
315.8	315.8-318.2m, grey quartzite with py
	316.3-316.7m, frac-zone
	317.0-318.2m, frac-zone
318.2	318.2-337.0m, whitish grey Grano-dt with qz veins and py
	318.3m, qz vein, w=0.7cm
	321.8m, qz vein, w=5cm
	322.4m, qz vein, w=2.5cm
	324.1-324.4m, frac-zone
	324.6m, qz vein, w=3cm
	326.3m, qz vein with py and mo, w=2cm
	329.3-329.7m, qz vein with py, mo
	330.8m, qz vein with py, mo, w=10cm
332.6	332.6-333.5m, slt(ss>slt)
333.5	
334.6	334.2m, qz vein, w=10cm
	334.6-337.0m, frac-zone with abundant qz and py
337.0	337.0-377.0m, Grano-dt with few qz veinlets and py
	341.9-342.2m, frac-zone with clay
	347.3-348.7m, frac-zone with clay and py
	348.7-362.1m, irregular fractures with abundant py
350	350.0m Bottom of the hole

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
301.7	S-4028	0.1	2.4	0.02				tr	tr	0.01		
303.9	S-4029	tr	<1	0.02				tr	tr	0.12		4L7 P
305.3	S-4030	0.1	<1	0.05				tr	tr	0.12		
306.1	S-4031	tr	<1	0.04				tr	tr	0.03		
309.3	S-4032	0.2	<1	0.02				tr	tr	1.34		
310.2	S-4033	1.8	<1	0.04				tr	tr	1.1		
311	S-4034	0.5	<1	0.02				tr	tr	0.58		4L8 P
312	S-4035	0.5	<1	0.01				tr	tr	0.6		4L9 X
313	S-4036	0.4	<1	0.06				tr	tr	0.84		
314	S-4037	0.4	<1	0.06				tr	tr	0.81		
315	S-4038	0.4	<1	0.12				tr	tr	0.66		
315.8	S-4039	0.1	<1	0.04				tr	tr	tr		
318.2												
334.6	S-4040	tr	<1	0.02				tr	tr	tr		
336	S-4041	tr	<1	0.01				tr	tr	tr		4L10 S
337												4L11 T

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

1/200

MJUB－1 (1／3)　0 m ～ 50 m

Level 237.96 m　Direction S16°W
X 68,639.74m　Inclination -75°
Y 92,184.10m　Length 150.0m

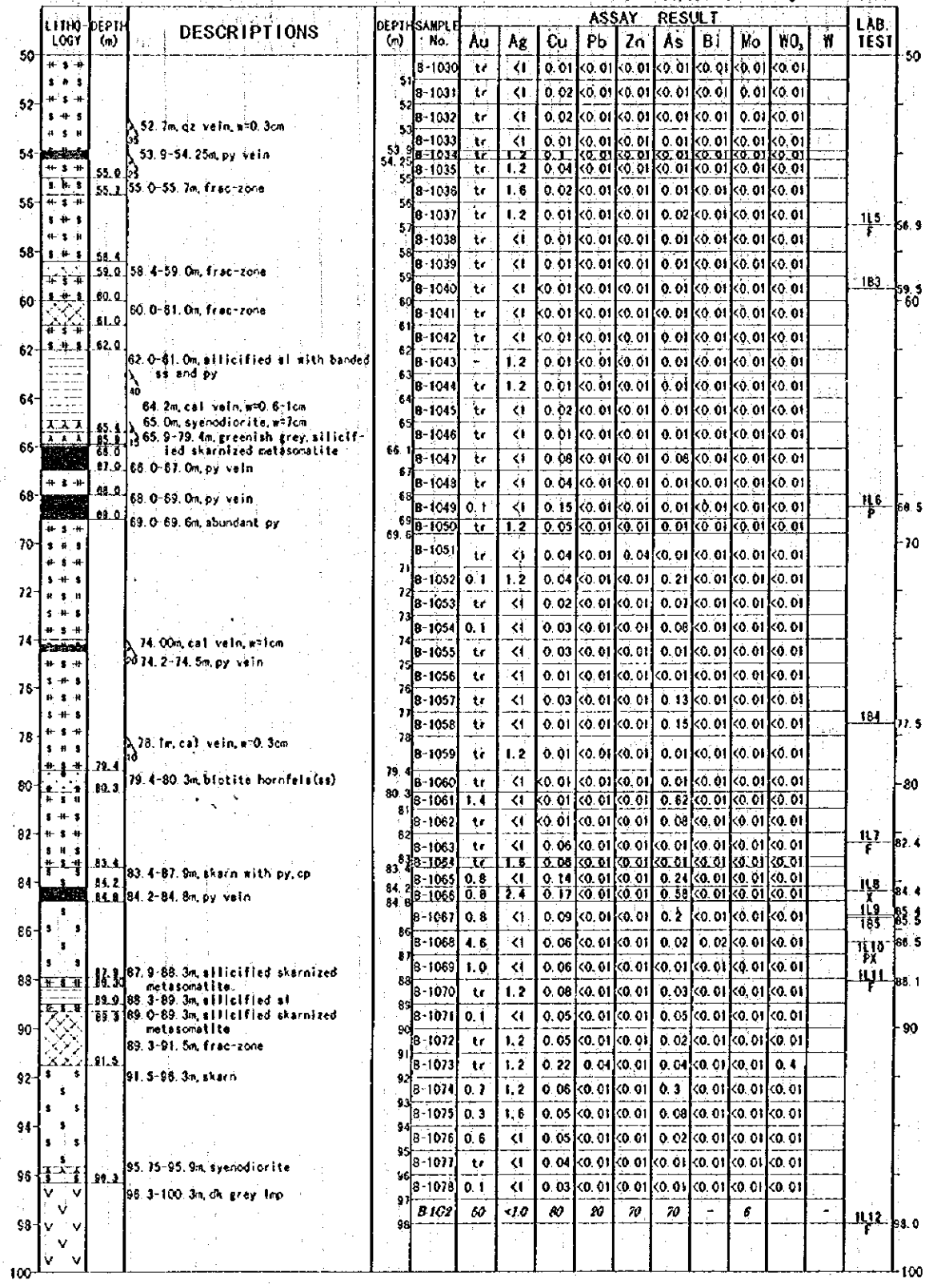
LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
		0-3.6m, yellowish-grey soil with pebbles													
	3.6														
		3.6-7.1m, reddish brown strongly weathered sl													
	7.1		7	B1C3	-	<1.0	150	30	60	30	-	6		-	
	8.0	7.1-8.0m, slate with banded ss and qz veinlets	8												
		8.0-12.0m, sludge													
	12.0														
	12.5	12.0-12.5m, dk greyish brown sl with banded ss partly weathered													
		12.5-14.0m, yellowish brown silt (ss>>sl)													
	14.0	14.0-18.0m, sludge													
	18.0		18	B-101	tr	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		18.0-28.0m, silicified alt(ss>sl) with banded py	19	B-102	tr	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		18.0m, syenodiorite, w=3cm	20	B-103	tr	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			21	B-104	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			22	B-105	tr	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			23	B-106	tr	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		24.0m, joint	24	B-107	tr	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			25	B-108	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			26	B-109	tr	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	28.0		27	B-1010	tr	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		28.0-32.2m, greyish brown, fractured silicified metasomatite with py	28	B-1011	tr	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			29	B-1012	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	30.2		30	B-1013	tr	1.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		30.2-34.6m, dk grey silicified metasomatite with py	31	B-1014	tr	1.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		31.5-31.7m, greenish-grey ls	32	B-1015	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	33.7		33	B-1016	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		33.6m, qz-limo vein, w=0.3cm	34												
	34.6	33.7-36.45m, frac-zone													
		34.6-36.8m, greyish brown limo	35	B1G1	10	<1.0	60	30	70	50	-	6		-	T
	36.45														1L2
	36.8		36	B-1017	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		1L3
		36.8-41.2m, silicified, weakly to skarnized metasomatite with py	37												1PX
		36.8m, cal-qz-limo, side vein, w=6cm	38	B-1018	tr	1.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		1B1
			39	B-1019	tr	1.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		38.0m, qz vein, w=0.3cm	40	B-1020	tr	1.2	<0.01	0.01	0.23	<0.01	<0.01	<0.01	<0.01		
	41.2	38.8m, qz-side vein, 40°, w=0.3cm	41	B-1021	tr	1.2	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
		41.2-52.0m, greenish dk grey, silicified skarnized metasomatite with py	42	B-1022	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			43	B-1023	tr	<1	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01		
			44	B-1024	tr	<1	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01		1B2
			45	B-1025	0.1	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
			46	B-1026	tr	<1	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		46.5m, qz-cal-side vein, w=0.2cm	47	B-1027	tr	<1	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
		47.7m, qz-side vein, w=3cm	48	B-1028	tr	<1	0.04	<0.01	<0.01	0.20	<0.01	<0.01	<0.01		
		48.0-48.3m, abundant py	49	B-1029	tr	<1	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01		
		49.6m, qz-side vein, 45°, w=0.4cm	50												

GEOLOGIC CORE LOG OF MJUB-1 (2/3)

1/200

MJUB-1 (2/3) 50 m ~ 100 m

Level 237.96 m Direction S16°W
X 68,639.74m Inclination -75°
Y 92,184.10m Length 150.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	52.7	52.7m, qz vein, w=0.3cm
	53.9	53.9-54.25m, py vein
	55.0	55.0-55.7m, frac-zone
	58.4	
	59.0	58.4-59.0m, frac-zone
	60.0	60.0-61.0m, frac-zone
	62.0	62.0-61.0m, silicified sl with banded ss and py
	64.2	64.2m, cal vein, w=0.6-1cm
	65.0	65.0m, syenodiorite, w=7cm
	65.4	65.9-79.4m, greenish grey, silicified skarnized metasomatite
	67.0	67.0-67.0m, py vein
	68.0	68.0-69.0m, py vein
	69.0	69.0-69.6m, abundant py
	74.0	74.0m, cal vein, w=1cm
	74.2	74.2-74.5m, py vein
	78.1	78.1m, cal vein, w=0.3cm
	79.4	79.4-80.3m, biotite hornfels(ss)
	83.4	83.4-87.9m, skarn with py, cp
	84.2	84.2-84.8m, py vein
	87.9	87.9-88.3m, silicified skarnized metasomatite.
	88.3	88.3-89.3m, silicified sl
	89.0	89.0-89.3m, silicified skarnized metasomatite
	89.3	89.3-91.5m, frac-zone
	91.5	91.5-98.3m, skarn
	95.7	95.75-95.9m, syenodiorite
	98.3	98.3-100.3m, dk grey lmp

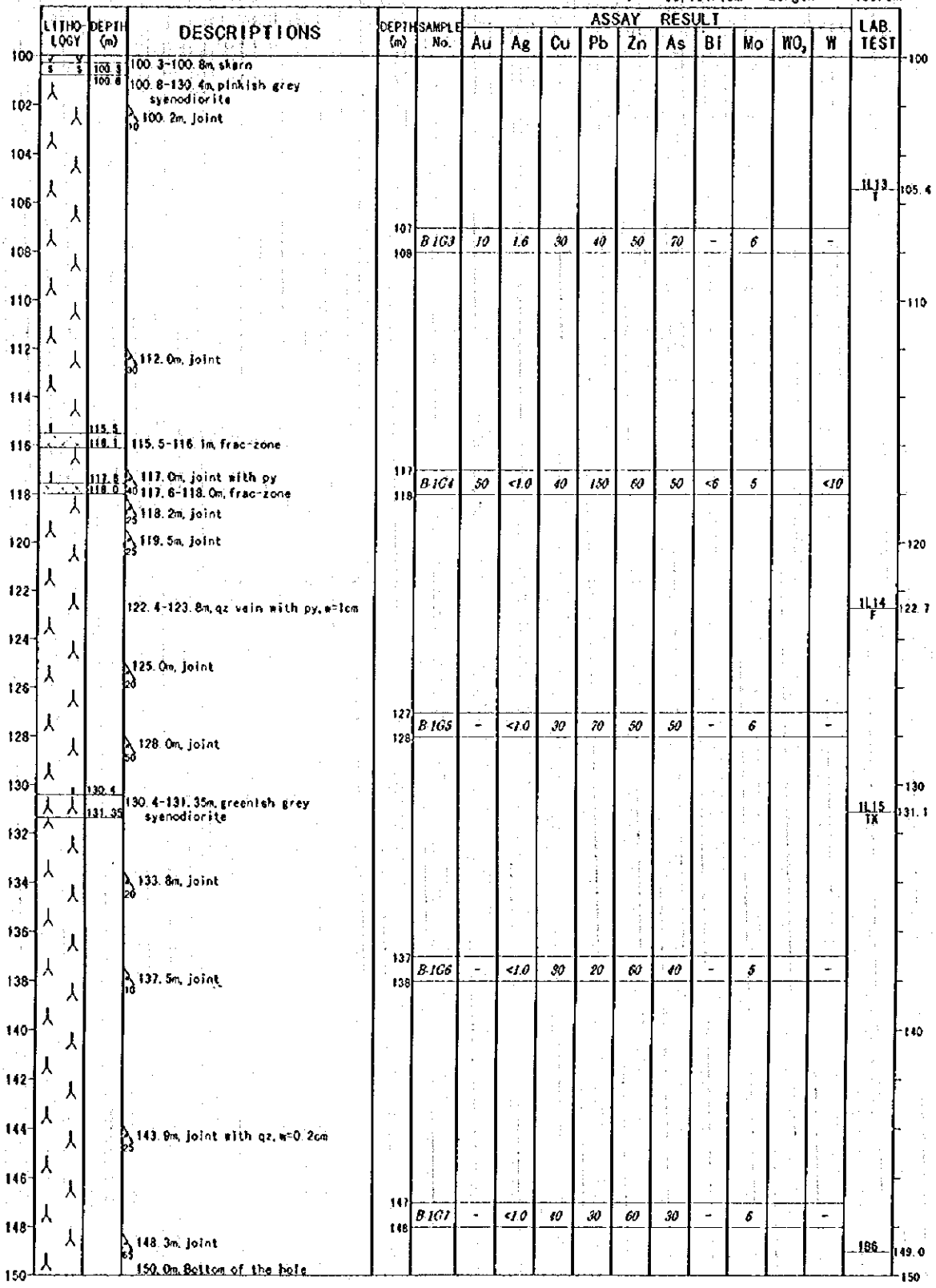
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST	DEPTH (m)
	B-1030	tr	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
51	B-1031	tr	<1	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01			
52	B-1032	tr	<1	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01			
53	B-1033	tr	<1	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
53.9	B-1034	tr	1.2	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
54.25	B-1035	tr	1.2	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
55	B-1036	tr	1.6	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
56	B-1037	tr	1.2	0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01		115 F	56.9
57	B-1038	tr	<1	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
58	B-1039	tr	<1	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
59	B-1040	tr	<1	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01		183	59.5
60	B-1041	tr	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			60
61	B-1042	tr	<1	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
62	B-1043	-	1.2	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
63	B-1044	tr	1.2	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
64	B-1045	tr	<1	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
65	B-1046	tr	<1	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
66.1	B-1047	tr	<1	0.08	<0.01	<0.01	0.08	<0.01	<0.01	<0.01			
67	B-1048	tr	<1	0.04	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
68	B-1049	0.1	<1	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01		116 P	68.5
69	B-1050	tr	1.2	0.05	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
69.6	B-1051	tr	<1	0.04	<0.01	0.04	<0.01	<0.01	<0.01	<0.01			70
71	B-1052	0.1	1.2	0.04	<0.01	<0.01	0.21	<0.01	<0.01	<0.01			
72	B-1053	tr	<1	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
73	B-1054	0.1	<1	0.03	<0.01	<0.01	0.08	<0.01	<0.01	<0.01			
74	B-1055	tr	<1	0.03	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
75	B-1056	tr	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
76	B-1057	tr	<1	0.03	<0.01	<0.01	0.13	<0.01	<0.01	<0.01			
77	B-1058	tr	<1	0.01	<0.01	<0.01	0.15	<0.01	<0.01	<0.01		184	77.5
78	B-1059	tr	1.2	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
79.4	B-1060	tr	<1	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01			
80.3	B-1061	1.4	<1	<0.01	<0.01	<0.01	0.62	<0.01	<0.01	<0.01			80
81	B-1062	tr	<1	<0.01	<0.01	<0.01	0.08	<0.01	<0.01	<0.01			
82	B-1063	tr	<1	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		117 F	82.4
83	B-1064	tr	1.6	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
83.4	B-1065	0.8	<1	0.14	<0.01	<0.01	0.24	<0.01	<0.01	<0.01			
84.2	B-1066	0.8	2.4	0.17	<0.01	<0.01	0.58	<0.01	<0.01	<0.01		118 X	84.4
84.8	B-1067	0.8	<1	0.09	<0.01	<0.01	0.2	<0.01	<0.01	<0.01		119 185	85.4 85.5
86	B-1068	4.6	<1	0.06	<0.01	<0.01	0.02	0.02	<0.01	<0.01		1110 PX	86.5
87	B-1069	1.0	<1	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		1111 F	88.1
88	B-1070	tr	1.2	0.08	<0.01	<0.01	0.03	<0.01	<0.01	<0.01			
89	B-1071	0.1	<1	0.05	<0.01	<0.01	0.05	<0.01	<0.01	<0.01			
90	B-1072	tr	1.2	0.05	<0.01	<0.01	0.02	<0.01	<0.01	<0.01			90
91	B-1073	tr	1.2	0.22	0.04	<0.01	0.04	<0.01	<0.01	0.4			
92	B-1074	0.2	1.2	0.06	<0.01	<0.01	0.3	<0.01	<0.01	<0.01			
93	B-1075	0.3	1.6	0.05	<0.01	<0.01	0.08	<0.01	<0.01	<0.01			
94	B-1076	0.6	<1	0.05	<0.01	<0.01	0.02	<0.01	<0.01	<0.01			
95	B-1077	tr	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
96	B-1078	0.1	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
97	*B1C2*	*60*	*<1.0*	*80*	*20*	*70*	*70*	-	*6*		-	1112 F	98.0
98													

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

1/200

MJUB－1 (3／3)　100 m ～ 150 m

Level 237.96 m　Direction S16°W
X 68,639.74m　Inclination -75°
Y 92,184.10m　Length 150.0m

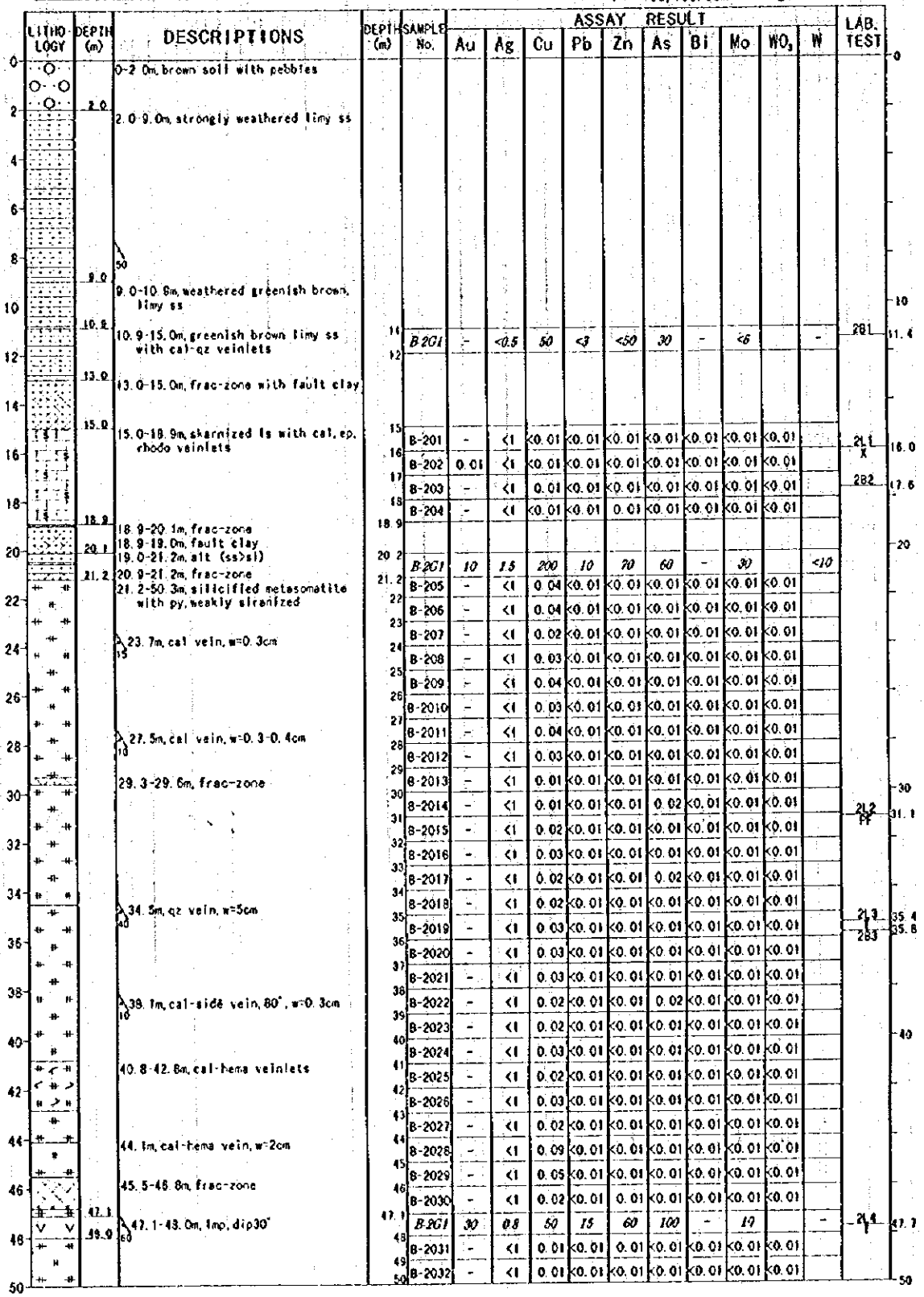


GEOLOGIC CORE LOG OF MJUB-2 (1/4)

1/200

MJUB-2 (1/4) 0 m ~ 50 m

Level 236.49 m Direction S16°W
X 68,672.64m Inclination -75°
Y 92,190.62m Length 200.0m



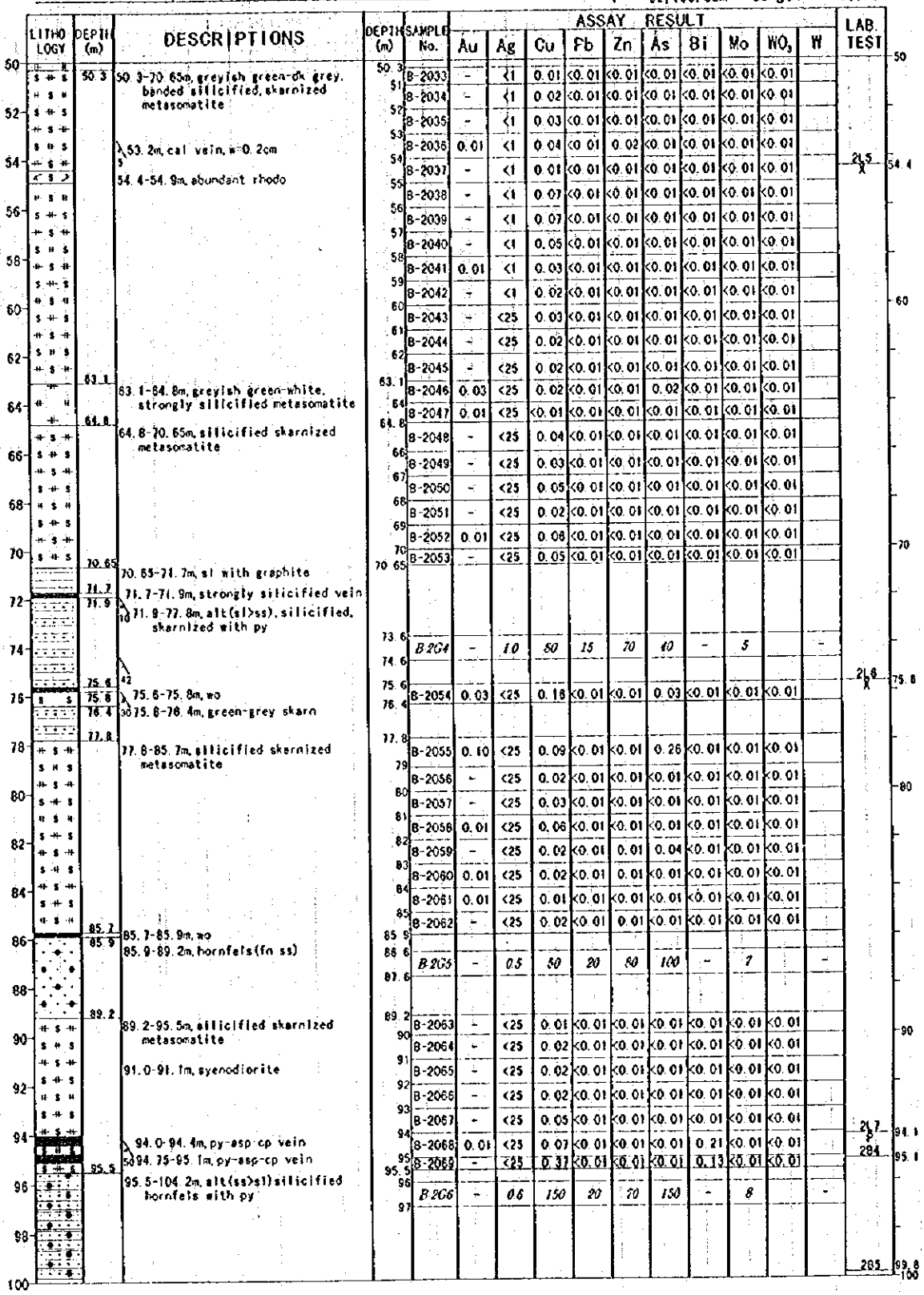
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
11	*B-2G1*	-	*<0.5*	*50*	*<3*	*<50*	*30*	-	*<6*		-	28.1
12												
15	B-201	-	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		21.1 X
16	B-202	0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
17	B-203	-	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		28.2
18	B-204	-	<1	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
18.9												
20.2	*B-2G1*	*10*	*1.5*	*200*	*10*	*70*	*60*	-	*30*		*<10*	
21.2	B-205	-	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		21.2 PP
22	B-206	-	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
23	B-207	-	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
24	B-208	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
25	B-209	-	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
26	B-2010	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
27	B-2011	-	<1	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
28	B-2012	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
29	B-2013	-	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
30	B-2014	-	<1	0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01		
31	B-2015	-	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
32	B-2016	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
33	B-2017	-	<1	0.02	<0.01	<0.01	0.02	<0.01	<0.01	<0.01		
34	B-2018	-	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
35	B-2019	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		21.3 28.3
36	B-2020	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
37	B-2021	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
38	B-2022	-	<1	0.02	<0.01	<0.01	0.02	<0.01	<0.01	<0.01		
39	B-2023	-	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
40	B-2024	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
41	B-2025	-	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
42	B-2026	-	<1	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
43	B-2027	-	<1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
44	B-2028	-	<1	0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
45	B-2029	-	<1	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
46	B-2030	-	<1	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
47.1	*B-2G1*	*30*	*0.8*	*50*	*15*	*60*	*100*	-	*19*		-	21.4
48	B-2031	-	<1	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
49	B-2032	-	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		

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

1/200

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

Level 236.49 m Direction S16°W
X 68,672.64m Inclination -75°
Y 92,190.62m Length 200.0m

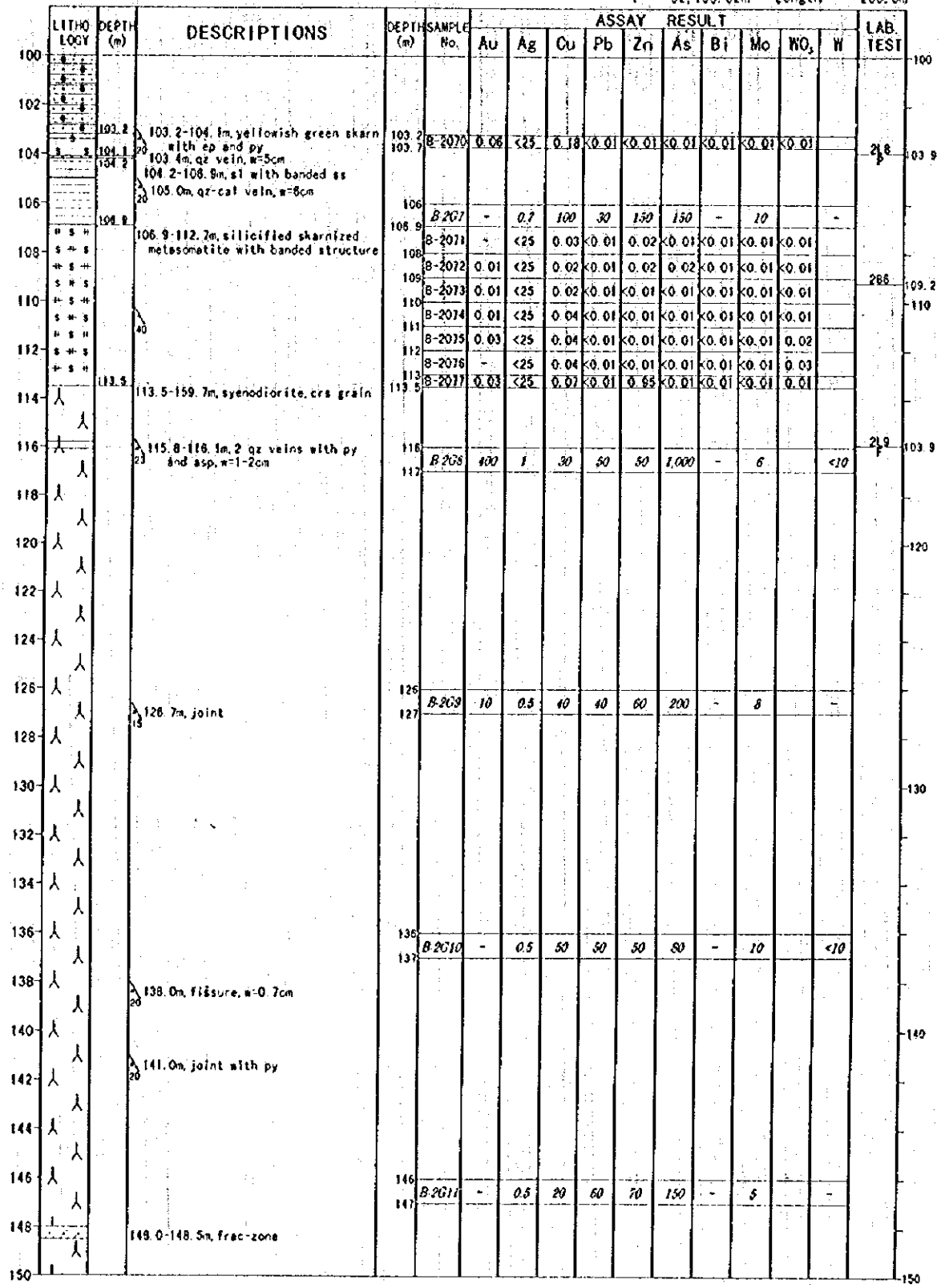


GEOLOGIC CORE LOG OF MJUB-2 (3/4)

1/200

MJUB-2 (3/4) 100 m ~ 150 m

Level 236.49 m Direction S16°W
X 68,672.64m Inclination -75°
Y 92,190.62m Length 200.0m



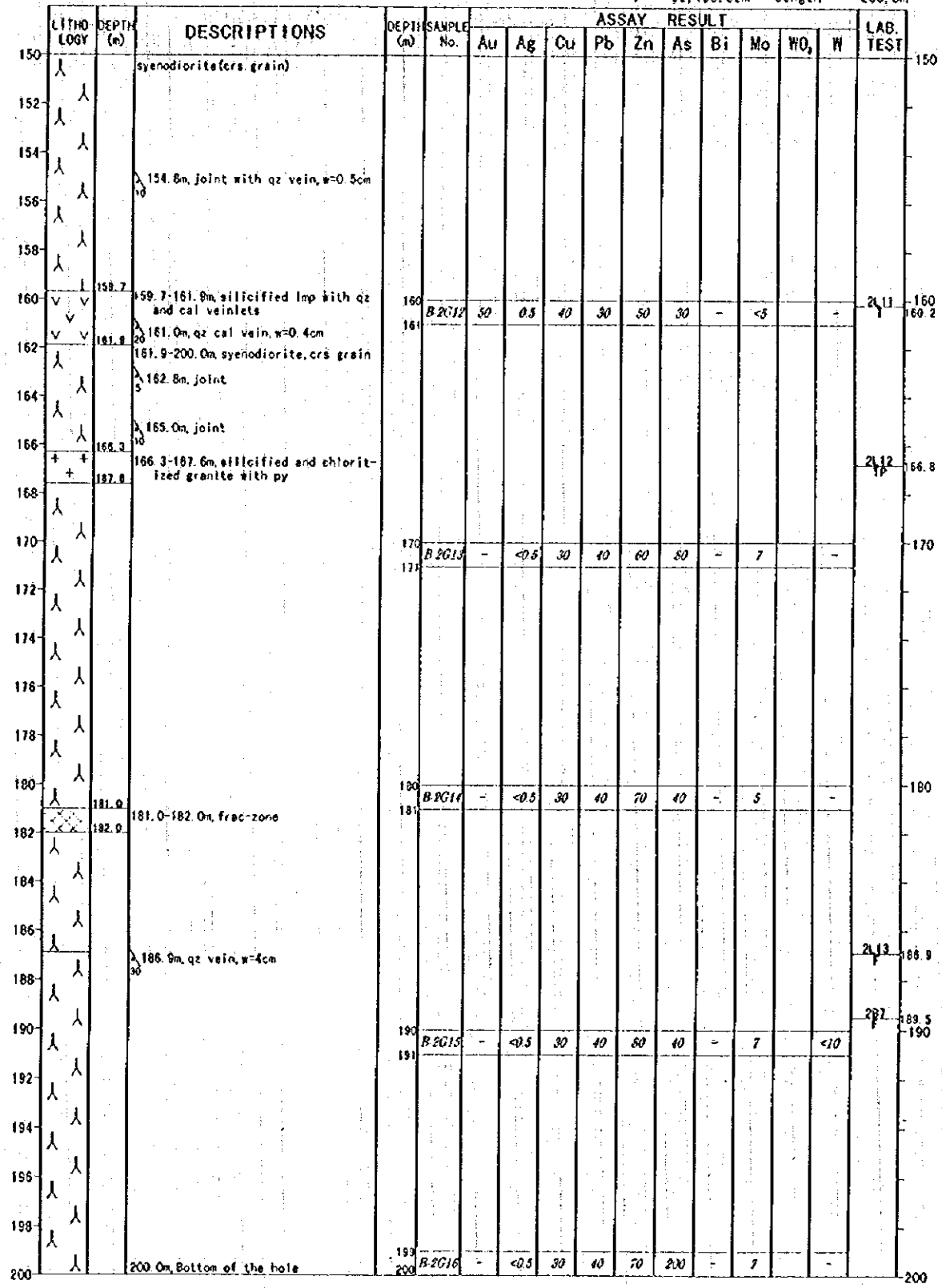
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
103.2												
103.7	B-2070	0.06	<25	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		218
106	B-2071	-	0.7	100	30	150	150	-	10		-	
105.9	B-2071	-	<25	0.03	<0.01	0.02	<0.01	<0.01	<0.01	<0.01		
108	B-2072	0.01	<25	0.02	<0.01	0.02	0.02	<0.01	<0.01	<0.01		
109	B-2073	0.01	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		286
110	B-2074	0.01	<25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
111	B-2075	0.03	<25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.02		
112	B-2076	-	<25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.03		
113	B-2077	0.03	<25	0.07	<0.01	0.65	<0.01	<0.01	<0.01	0.01		
113.5												
116	B-2078	400	1	30	50	50	1,000	-	6		<10	219
117												
126	B-2079	10	0.5	40	40	60	200	-	8		-	
127												
136	B-2080	-	0.5	50	50	50	80	-	10		<10	
137												
146	B-2081	-	0.5	20	60	70	150	-	5		-	
147												

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

1/200

MJUB-2 (4/4) 150 m ~ 200 m

Level 236.49 m Direction S16°W
X 68,672.64m Inclination -75°
Y 92,190.62m Length 200.0m



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

1/200

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

Level 231.77 m Direction S16°W
X 68,374.22m Inclination -75°
Y 92,879.70m Length 143.5m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	0	0-3.0m, brownish grey soil with pebbles
	3.0	3.0-5.0m, strong weathered lmp
	5.0	5.0-13.0m
	13.0	13.0-15.0m, weathered green-grey lmp
	15.0	15.0-20.5m, weathered very fn ss with banded sl and py
	20.5	20.5-24.1m, dk grey very fn ss with banded sl and py 21.3m, joint with qz, w=0.2cm 21.3-21.4m, strong banded py 21.7-21.85m, grey ls
	24.1	24.1-25.7m, weakly silicified and skarnized very fn ss with banded sl and py
	25.7	25.7-28.3m, white-grey micro lmp 26.0-26.8m, frac-zone
	28.3	28.3-32.0m, silicified and skarnized metasomatite with py 28.9m, joint with qz, cal, and py vein w=0.5cm
	32.0	32.0-38.2m, weakly silicified and skarnized very fn ss with banded sl with py 36.1-36.3m, frac-zone with qz, cal, rhodo and py
	38.2	38.2-40.1m, silicified and skarnized metasomatite with cp and rhodo
	40.1	40.1-41.9m, dk grey hornfels(ss) with py
	41.9	41.9-43.4m, silicified and skarnized metasomatite with cal veinlets
	43.4	43.4-47.8m, dk greenish grey hornfels (ss) with py
	47.8	47.8m, qz vein, w=7cm 47.8-54.8m, weakly skarnized banded alt of ss and sl with qz, cal veinlets and py

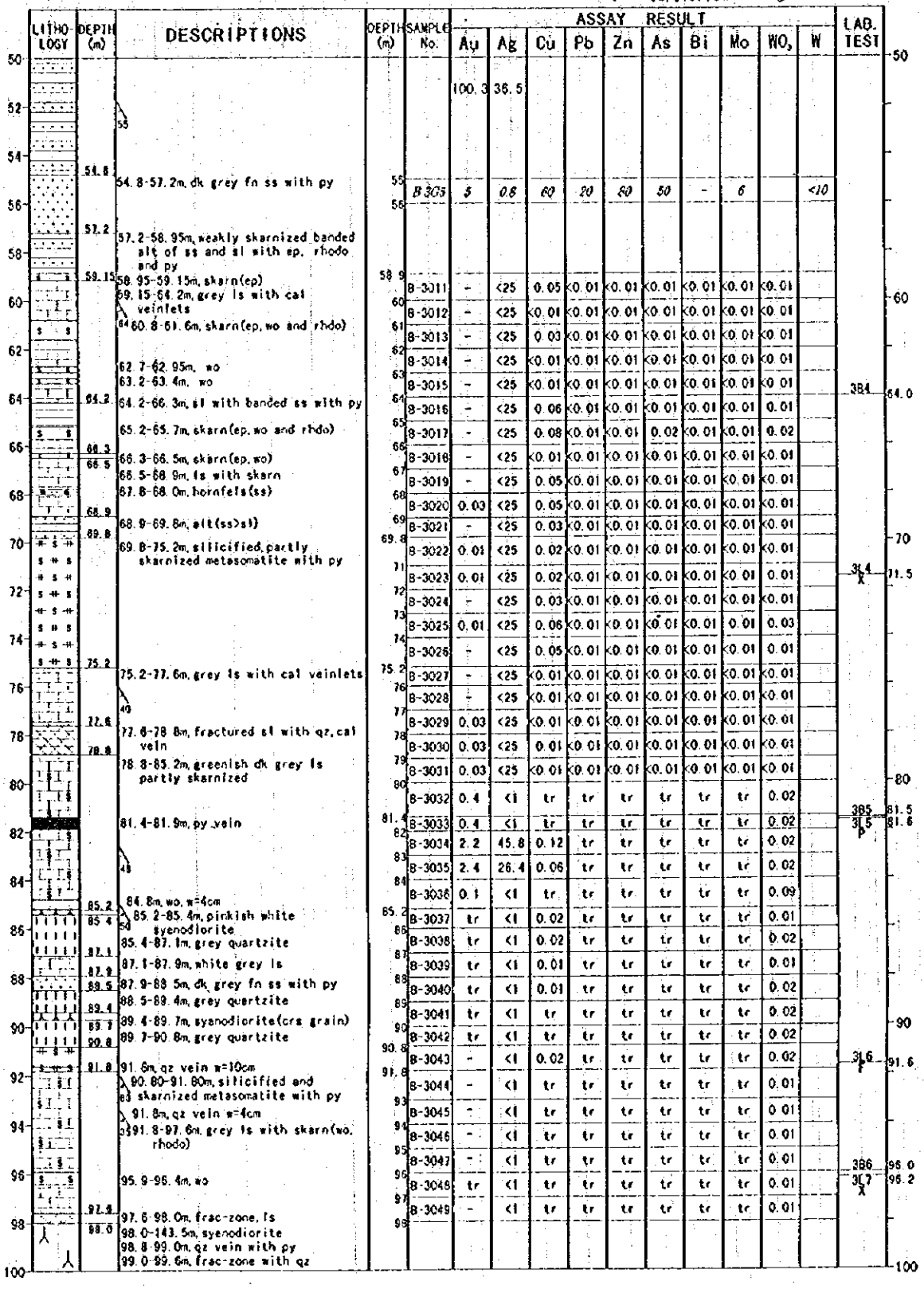
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
14	B-3G1	10	0.7	50	40	<50	50	-	5		-	
15												
24	B-3G2	-	0.5	60	10	70	30	-	6		-	381
25												
28.3	B-301	-	<25	0.02	<0.01	0.02	<0.01	<0.01	<0.01	0.01		
29	B-302	-	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
30	B-303	-	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
31	B-304	-	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
32												
34	B-3G3	5	0.5	60	20	70	40	-	5		-	
35												
38.2	B-305	-	<25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.01		382
39	B-306	-	<25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		TXP
40	B-307	-	<25	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
41	B-308	0.01	<25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
42	B-309	-	<25	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.01		
43.4												
45	B-3G4	-	0.6	60	8	70	40	-	6		-	382
45												
49.6												383
49.9	B-3010	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		

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

1/200

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

Level 231.77 m Direction S16°W
X 68,374.22m Inclination -75°
Y 92,879.70m Length 143.5m



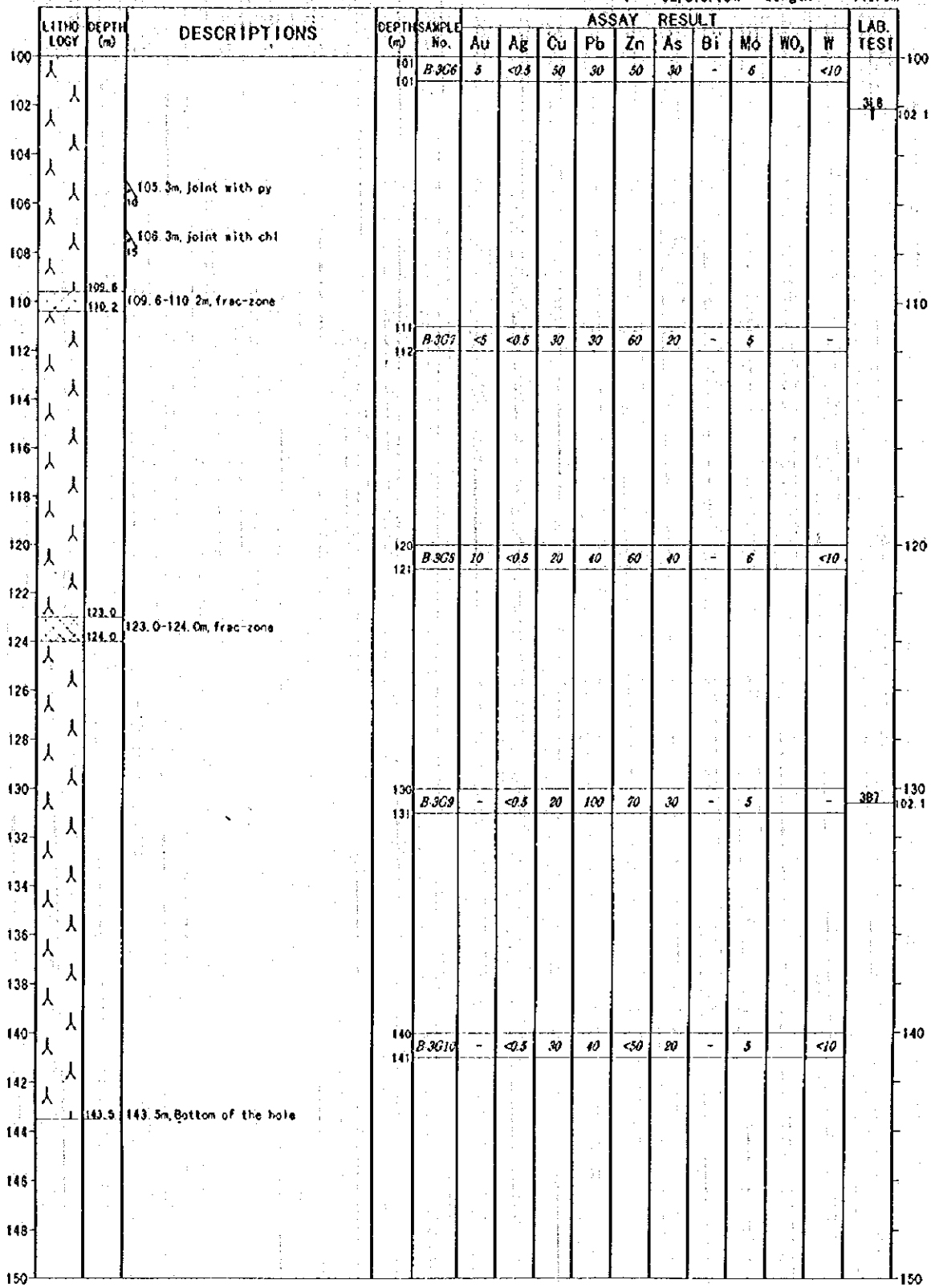
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
		100.3	36.5									
55	B305	5	0.8	60	20	60	50	-	6		<10	
58.9	B-3011	-	<25	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
60	B-3012	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
61	B-3013	-	<25	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
62	B-3014	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
63	B-3015	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		384
64	B-3016	-	<25	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	0.01		
65	B-3017	-	<25	0.08	<0.01	<0.01	0.02	<0.01	<0.01	0.02		
66	B-3018	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
67	B-3019	-	<25	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
68	B-3020	0.03	<25	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
69	B-3021	-	<25	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
69.8	B-3022	0.01	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
71	B-3023	0.01	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.01		314 X
72	B-3024	-	<25	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
73	B-3025	0.01	<25	0.06	<0.01	<0.01	<0.01	<0.01	0.01	0.03		
74	B-3026	-	<25	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.01		
75.2	B-3027	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
76	B-3028	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
77	B-3029	0.03	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
78	B-3030	0.03	<25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
79	B-3031	0.03	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
80	B-3032	0.4	<1	tr	tr	tr	tr	tr	tr	0.02		
81.4	B-3033	0.4	<1	tr	tr	tr	tr	tr	tr	0.02		385 314 P
82	B-3034	2.2	45.8	0.12	tr	tr	tr	tr	tr	0.02		
83	B-3035	2.4	26.4	0.06	tr	tr	tr	tr	tr	0.02		
84	B-3036	0.1	<1	tr	tr	tr	tr	tr	tr	0.09		
85.2	B-3037	tr	<1	0.02	tr	tr	tr	tr	tr	0.01		
86	B-3038	tr	<1	0.02	tr	tr	tr	tr	tr	0.02		
87	B-3039	tr	<1	0.01	tr	tr	tr	tr	tr	0.01		
88	B-3040	tr	<1	0.01	tr	tr	tr	tr	tr	0.02		
89	B-3041	tr	<1	tr	tr	tr	tr	tr	tr	0.02		
90	B-3042	tr	<1	tr	tr	tr	tr	tr	tr	0.02		
90.8	B-3043	-	<1	0.02	tr	tr	tr	tr	tr	0.02		316 P
91.8	B-3044	-	<1	tr	tr	tr	tr	tr	tr	0.01		
93	B-3045	-	<1	tr	tr	tr	tr	tr	tr	0.01		
94	B-3046	-	<1	tr	tr	tr	tr	tr	tr	0.01		
95	B-3047	-	<1	tr	tr	tr	tr	tr	tr	0.01		386 317 X
96	B-3048	tr	<1	tr	tr	tr	tr	tr	tr	0.01		
97	B-3049	-	<1	tr	tr	tr	tr	tr	tr	0.01		
99												

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

1/200

MJUB-3 (3/3) 100 m ~ 143.5 m

Level 231.77 m Direction S16°W
X 69,374.22m Inclination -75°
Y 92,879.70m Length 143.5m



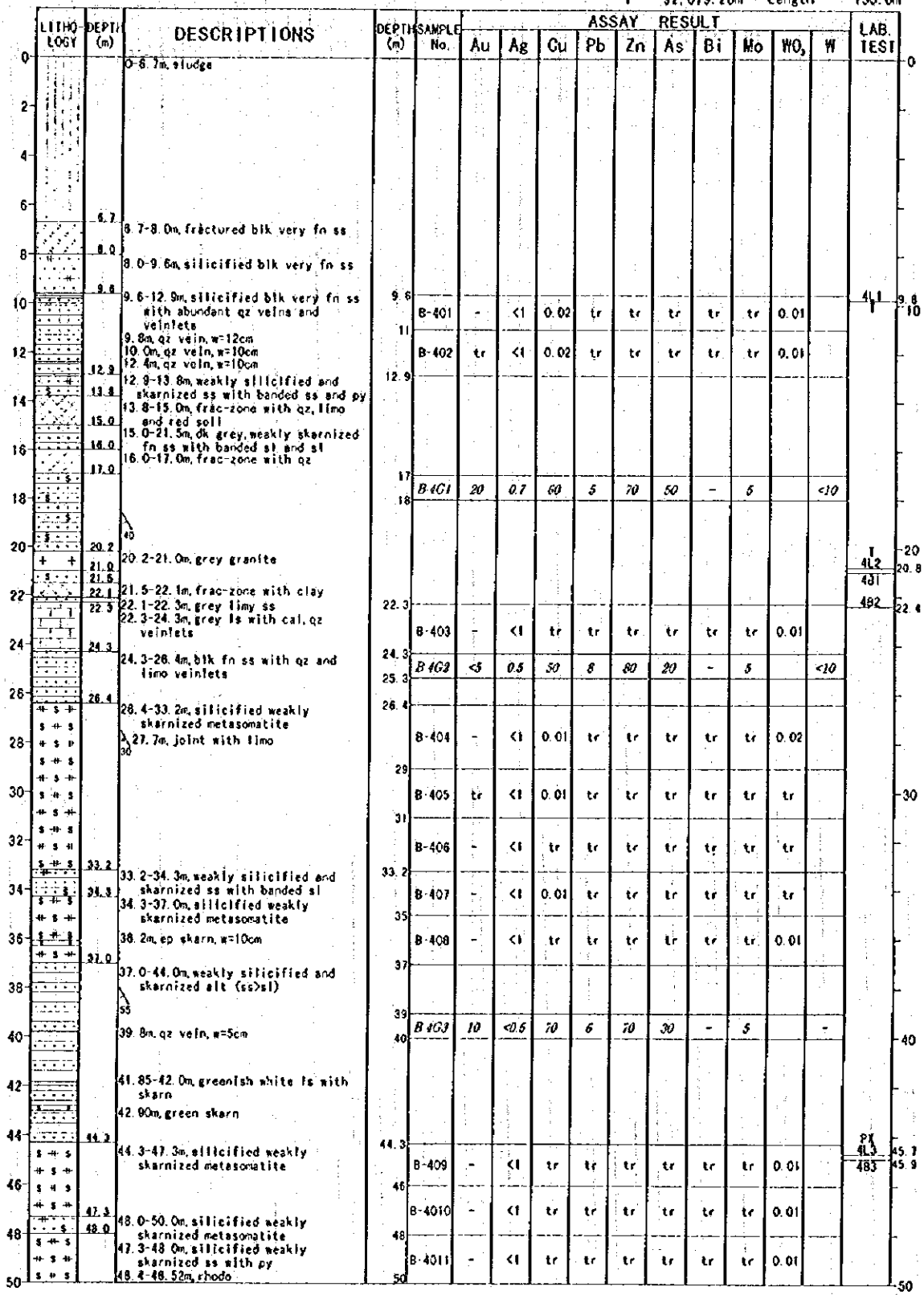
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
101	B-3G6	5	<0.5	50	30	50	30	-	6		<10	
111	B-3G7	<5	<0.5	30	30	60	20	-	5		-	
120	B-3G8	10	<0.5	20	40	60	40	-	6		<10	
130	B-3G9	-	<0.5	20	100	70	30	-	5		-	3B2
140	B-3G10	-	<0.5	30	40	<50	20	-	5		<10	

GEOLOGIC CORE LOG OF MJUB-4 (1/3)

1/200

MJUB-4 (1/3) 0 m ~ 50 m

Level 241.50 m Direction S30°W
X 68,442.38m Inclination -75°
Y 92,679.28m Length 130.0m



DEPTH (m)	DESCRIPTIONS
0	0-6.7m, sludge
6.7	6.7-8.0m, fractured blk very fn ss
8.0	8.0-9.6m, silicified blk very fn ss
9.6	9.6-12.9m, silicified blk very fn ss with abundant qz veins and veinlets
	9.8m, qz vein, w=12cm
	10.0m, qz vein, w=10cm
	12.4m, qz vein, w=10cm
12.9	12.9-13.8m, weakly silicified and skarnized ss with banded ss and py
13.8	13.8-15.0m, frac-zone with qz, limo and red soil
15.0	15.0-21.5m, dk grey, weakly skarnized fn ss with banded sl and sl
16.0	16.0-17.0m, frac-zone with qz
17.0	
20.2	20.2-21.0m, grey granite
21.0	
21.5	21.5-22.1m, frac-zone with clay
22.1	22.1-22.3m, grey limy ss
22.3	22.3-24.3m, grey ls with cal, qz veinlets
24.3	24.3-26.4m, blk fn ss with qz and limo veinlets
26.4	26.4-33.2m, silicified weakly skarnized metasomatite
	27.7m, joint with limo
33.2	33.2-34.3m, weakly silicified and skarnized ss with banded sl
34.3	34.3-37.0m, silicified weakly skarnized metasomatite
	36.2m, ep skarn, w=10cm
37.0	37.0-44.0m, weakly silicified and skarnized alt (ss>sl)
	39.8m, qz vein, w=5cm
	41.85-42.0m, greenish white ls with skarn
	42.90m, green skarn
44.2	44.2-47.3m, silicified weakly skarnized metasomatite
47.3	47.3-48.0m, silicified weakly skarnized metasomatite
48.0	48.0-48.52m, rhodo

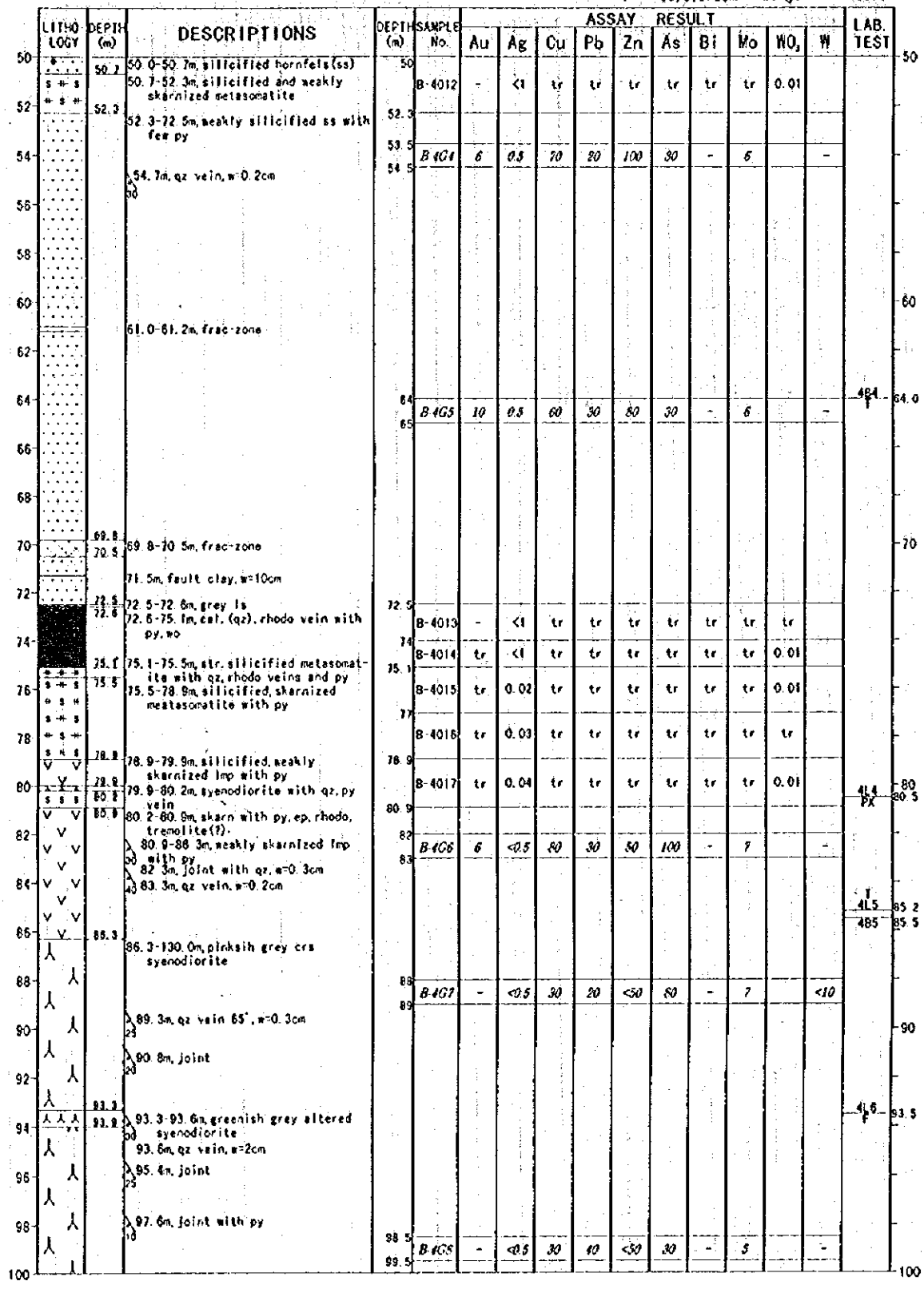
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
		ASSAY RESULT										
9.6	B-401	-	<1	0.02	tr	tr	tr	tr	tr	0.01		4L1
11	B-402	tr	<1	0.02	tr	tr	tr	tr	tr	0.01		
12.9												
17	B4G1	20	0.7	60	5	70	50	-	5		<10	
18												
												4L2
												481
												482
22.3	B-403	-	<1	tr	tr	tr	tr	tr	tr	0.01		
24.3	B4G2	<5	0.5	50	8	80	20	-	5		<10	
25.3												
26.4	B-404	-	<1	0.01	tr	tr	tr	tr	tr	0.02		
29	B-405	tr	<1	0.01	tr	tr	tr	tr	tr	tr		
31	B-406	-	<1	tr	tr	tr	tr	tr	tr	tr		
33.2	B-407	-	<1	0.01	tr	tr	tr	tr	tr	tr		
35	B-408	-	<1	tr	tr	tr	tr	tr	tr	0.01		
37												
39	B4G3	10	<0.5	70	6	70	30	-	5		-	
40												
44.3	B-409	-	<1	tr	tr	tr	tr	tr	tr	0.01		PX
												4L3
												483
46	B-4010	-	<1	tr	tr	tr	tr	tr	tr	0.01		
48	B-4011	-	<1	tr	tr	tr	tr	tr	tr	0.01		
50												

GEOLOGIC CORE LOG OF MJUB-4 (2/3)

1/200

MJUB-4 (2/3) 50 m ~ 100 m

Level 241.50 m Direction S30°W
X 68,442.38m Inclination -75°
Y 92,679.28m Length 130.0m



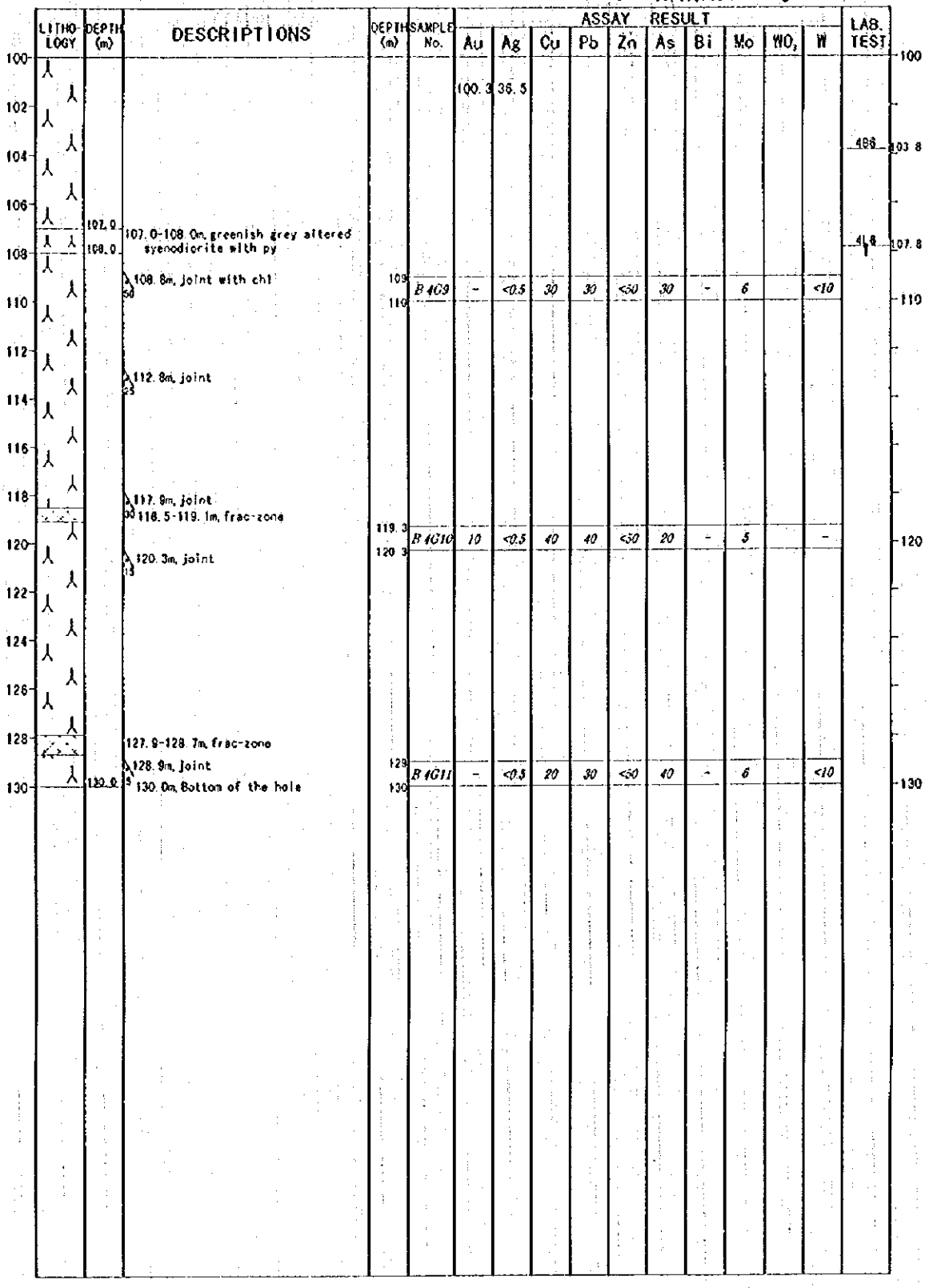
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W
50											
	B-4012	-	<1	tr	tr	tr	tr	tr	tr	0.01	
52.3											
53.5											
	B4G4	6	0.5	70	20	100	30	-	6		-
54.5											
64											
	B4G5	10	0.5	60	30	80	30	-	6		-
65											
72.5											
	B-4013	-	<1	tr	tr	tr	tr	tr	tr	tr	
74											
	B-4014	tr	<1	tr	tr	tr	tr	tr	tr	0.01	
75.1											
	B-4015	tr	0.02	tr	tr	tr	tr	tr	tr	0.01	
77											
	B-4016	tr	0.03	tr	tr	tr	tr	tr	tr	tr	
78.9											
	B-4017	tr	0.04	tr	tr	tr	tr	tr	tr	0.01	
80.9											
82											
	B4G6	6	<0.5	80	30	50	100	-	7		-
83											
88											
	B4G7	-	<0.5	30	20	<50	50	-	7		<10
89											
98.5											
	B4G8	-	<0.5	30	10	<50	30	-	5		-
99.5											

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

1/200

MJUB-4 (3/3) 100 m ~ 130 m

Level 241.50 m Direction S30°W
X 68,442.38m Inclination -75°
Y 92,679.28m Length 130.0m

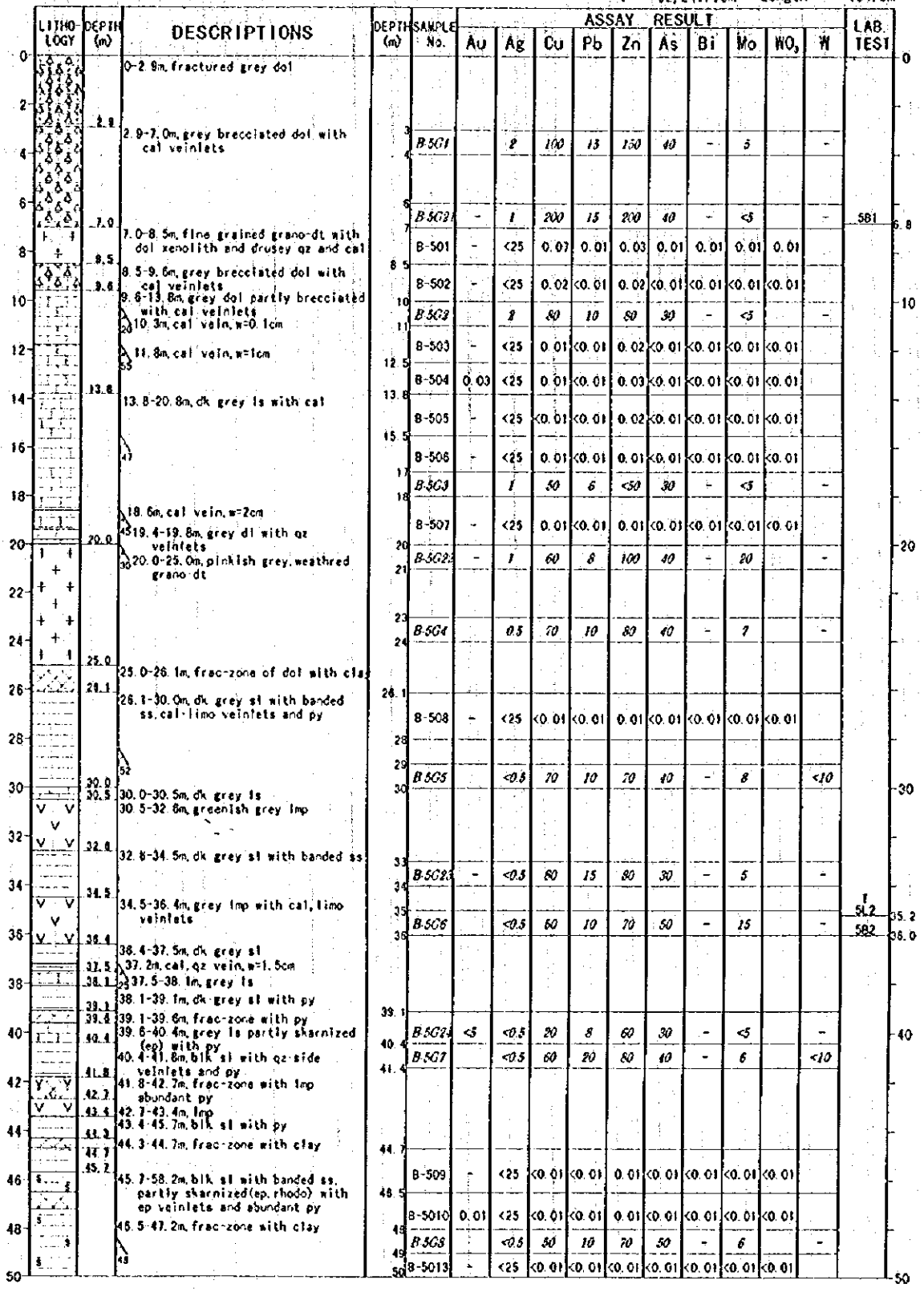


GEOLOGIC CORE LOG OF MJUB-5(1/3)

1/200

MJUB-5 (1/3) 0 m ~ 50 m

Level 234.41m Direction S 5°W
X 69,346.80m Inclination -76°
Y 92,247.76m Length 134.0m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	0	0-2.9m, fractured grey dol
	2.9	2.9-7.0m, grey brecciated dol with cal veinlets
	7.0	7.0-8.5m, fine grained grano-dt with dol xenolith and drusey qz and cal
	8.5	8.5-9.6m, grey brecciated dol with cal veinlets
	9.6	9.6-13.8m, grey dol partly brecciated with cal veinlets
		10.3m, cal vein, w=0.1cm
		11.8m, cal vein, w=1cm
	13.8	13.8-20.8m, dk grey ls with cal
		18.6m, cal vein, w=2cm
	20.0	19.4-19.8m, grey dl with qz veinlets
		20.0-25.0m, pinkish grey, weathred grano-dt
	25.0	25.0-26.1m, frac-zone of dol with clay
	26.1	26.1-30.0m, dk grey sl with banded ss, cal-limo veinlets and py
	30.0	
	30.5	30.0-30.5m, dk grey ls
		30.5-32.8m, greenish grey lmp
	32.8	32.8-34.5m, dk grey sl with banded ss
	34.5	34.5-36.4m, grey lmp with cal, limo veinlets
	36.4	36.4-37.5m, dk grey sl
	37.5	37.2m, cal, qz vein, w=1.5cm
	38.1	37.5-38.1m, grey ls
	39.1	38.1-39.1m, dk grey sl with py
	39.6	39.1-39.6m, frac-zone with py
	40.4	39.6-40.4m, grey ls partly skarnized (ep) with py
	41.8	40.4-41.8m, blk sl with qz-side veinlets and py
	42.7	41.8-42.7m, frac-zone with lmp abundant py
	43.4	42.7-43.4m, lmp
	43.9	43.4-45.7m, blk sl with py
	44.7	44.3-44.7m, frac-zone with clay
	45.2	45.7-58.2m, blk sl with banded ss, partly skarnized(ep, rhodo) with ep veinlets and abundant py
		45.5-47.2m, frac-zone with clay

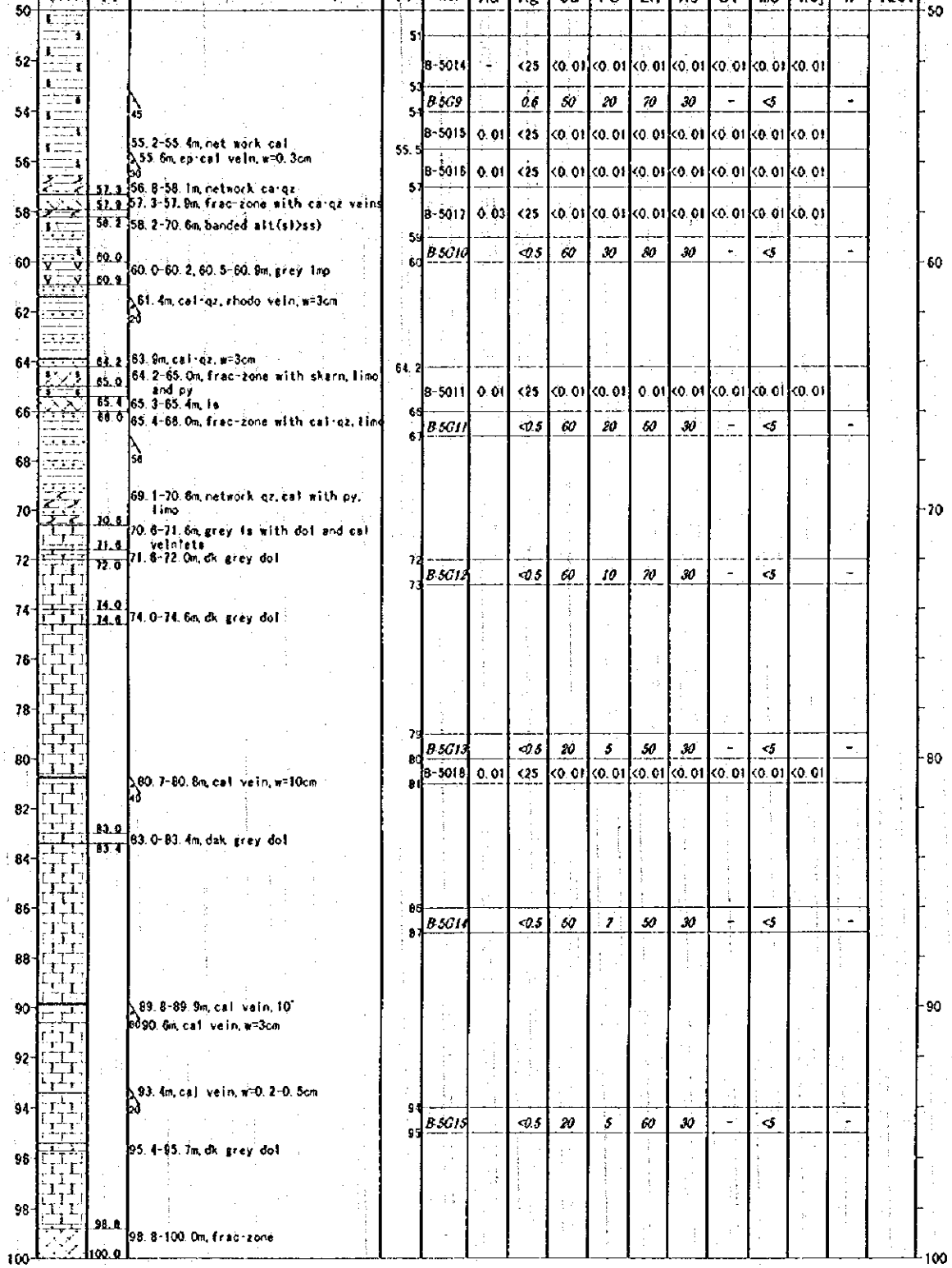
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
		ASSAY RESULT										
3	B-5G1		2	100	13	150	40	-	5		-	
6	B-5G2	-	1	200	15	200	40	-	<5		-	581
7	B-501	-	<25	0.07	0.01	0.03	0.01	0.01	0.01	0.01		
8.5	B-502	-	<25	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01		
10	B-5G3		2	80	10	80	30	-	<5		-	
11	B-503	-	<25	0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01		
12.5	B-504	0.03	<25	0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01		
13.8	B-505	-	<25	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01		
15.5	B-506	-	<25	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
17	B-5G3		1	50	6	<50	30	-	<5		-	
18	B-507	-	<25	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
20	B-5G2	-	1	60	8	100	40	-	20		-	
21	B-5G4		0.5	70	10	80	40	-	7		-	
24	B-508	-	<25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
26.1	B-5G5		<0.5	70	10	70	40	-	8		<10	
30	B-5G23	-	<0.5	80	15	80	30	-	5		-	
33	B-5G6		<0.5	60	10	70	50	-	15		-	T 582
34	B-5G24	<5	<0.5	20	8	60	30	-	<5		-	
35	B-5G7		<0.5	60	20	80	40	-	6		<10	
39.1	B-509	-	<25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
40.4	B-5010	0.01	<25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
41.4	B-5G8		<0.5	50	10	70	50	-	6		-	
44.7	B-5013	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		

GEOLOGIC CORE LOG OF MJUB-5 (2/3)

1/200

MJUB-5 (2/3) 50 m ~ 100 m

Level 234.41m Direction S 5°W
X 69,346.80m Inclination -76°
Y 92,247.76m Length 134.0m



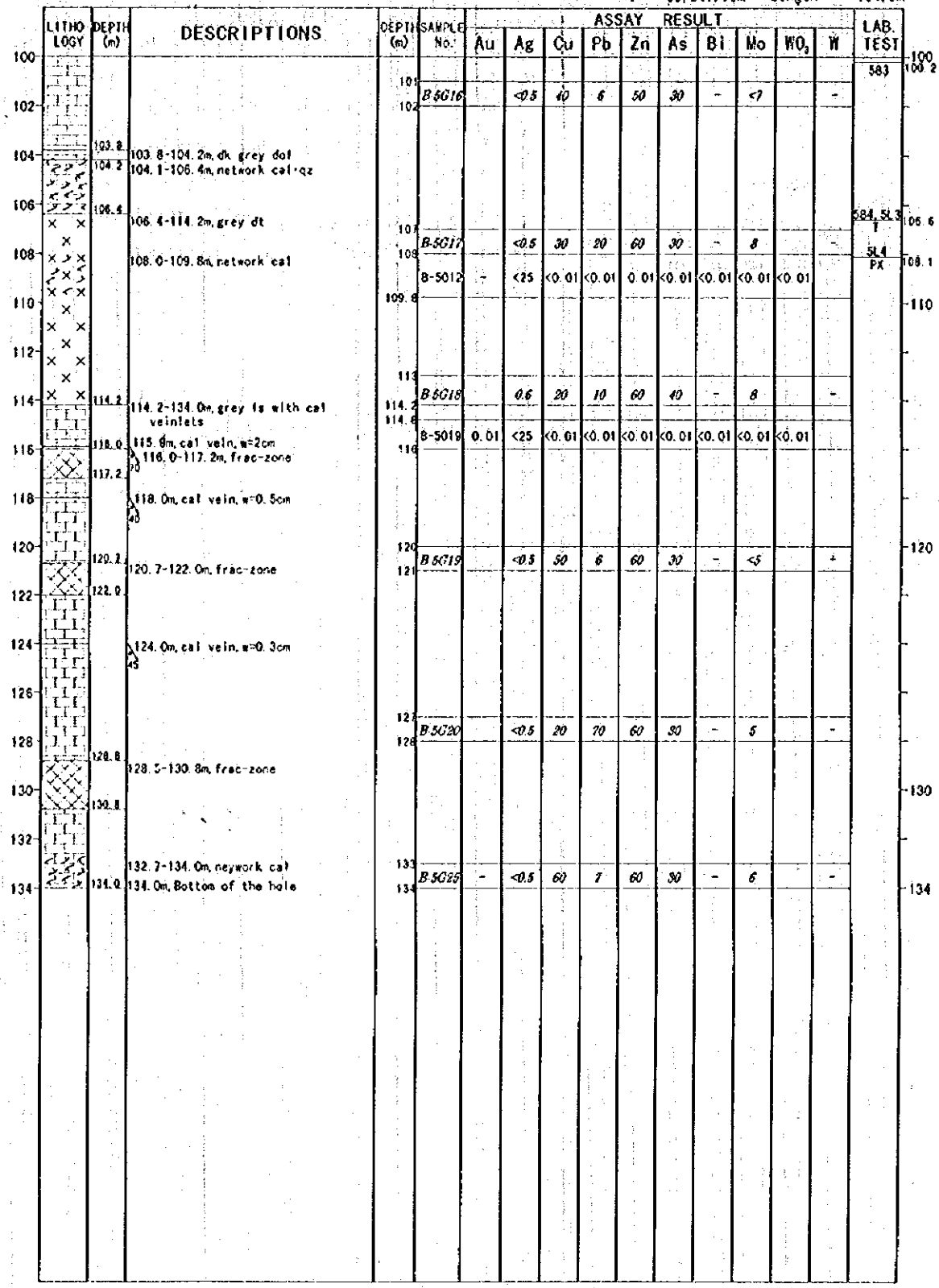
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
		ASSAY RESULT										
51												
	B-5014	-	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
53												
	B-5C9		0.6	50	20	70	30	-	<5		-	
54												
	B-5015	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
55.5												
	B-5016	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
57												
	B-5017	0.03	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
59												
	B-5C10		<0.5	60	30	80	30	-	<5		-	
60												
64.2												
	B-5011	0.01	<25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		
66												
	B-5C11		<0.5	60	20	60	30	-	<5		-	
67												
72												
	B-5C12		<0.5	60	10	70	30	-	<5		-	
73												
79												
	B-5C13		<0.5	20	5	50	30	-	<5		-	
80												
	B-5018	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
81												
86												
	B-5C14		<0.5	60	7	50	30	-	<5		-	
87												
94												
	B-5C15		<0.5	20	5	60	30	-	<5		-	
95												

GEOLOGIC CORE LOG OF MJUB-5(3/3)

1/200

MJUB-5 (3/3) 100 m ~ 134 m

Level 234.41m Direction S 5°W
X 69,346.80m Inclination -76°
Y 92,247.76m Length 134.0m



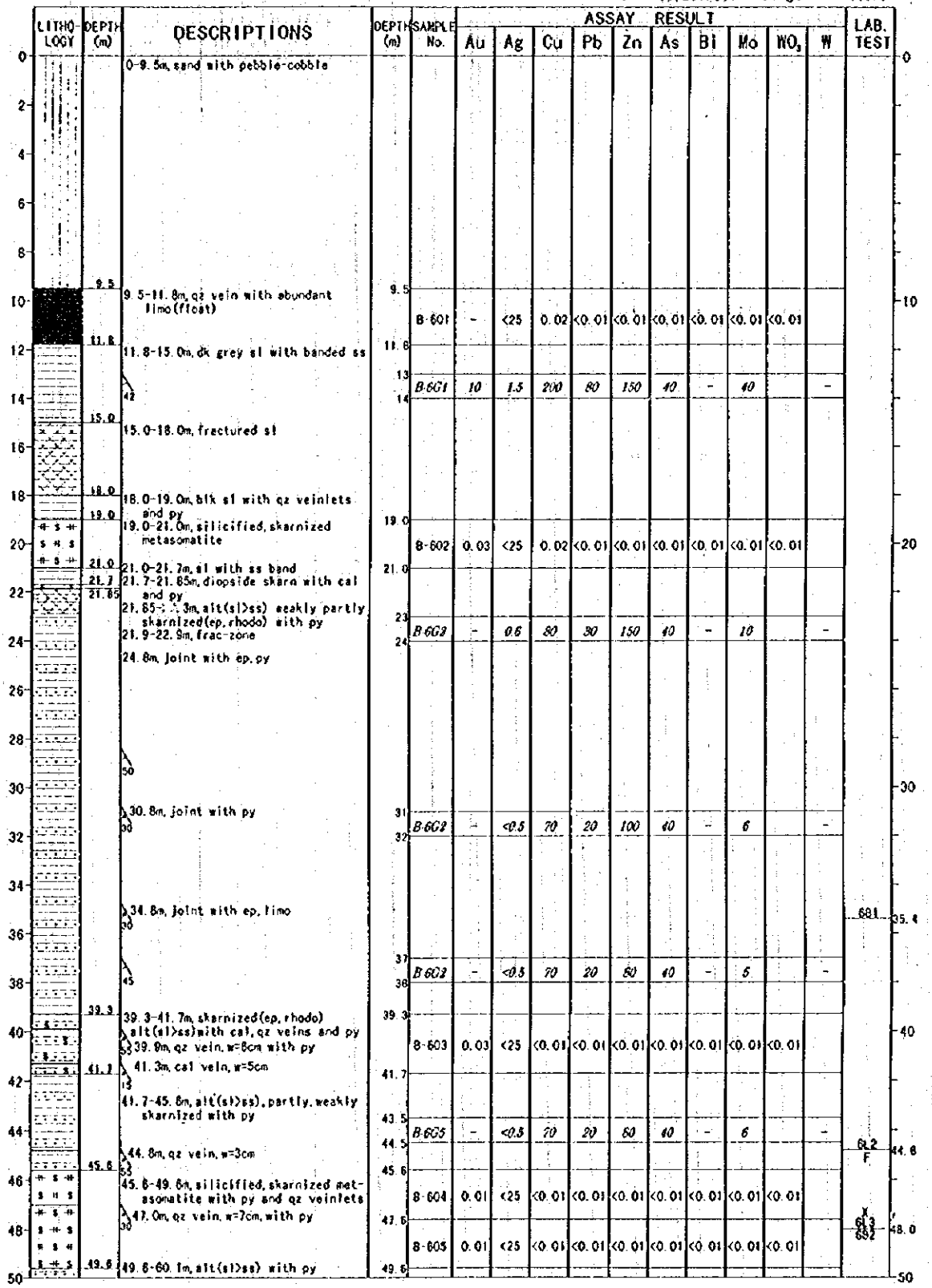
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
101												
102	B-5G16		<0.5	40	6	50	30	-	<7		-	
103.8												
104.2												
106.4												
107												583
108	B-5G17		<0.5	30	20	60	30	-	8		-	
108	B-5012	-	<25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01		584, SL3 T
109.8												SL4 PX
113												
114	B-5G18		0.6	20	10	60	40	-	8		-	
114.2												
114.6												
116	B-5019	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
118.0												
117.2												
120												
120.2												
121	B-5G19		<0.5	50	6	60	30	-	<5		+	
122.0												
124												
126												
127												
128	B-5G20		<0.5	20	70	60	30	-	5		-	
128.8												
130												
130.8												
132												
133												
134	B-5G25	-	<0.5	60	7	60	30	-	6		-	
134.0												

GEOLOGIC CORE LOG OF MJUB-6 (1/4)

1/200

MJUB-6 (1/4) 0 m ~ 50 m

Level 207.15m Direction S20°W
X 69,124.28m Inclination -80°
Y 92,291.05m Length 153.0m

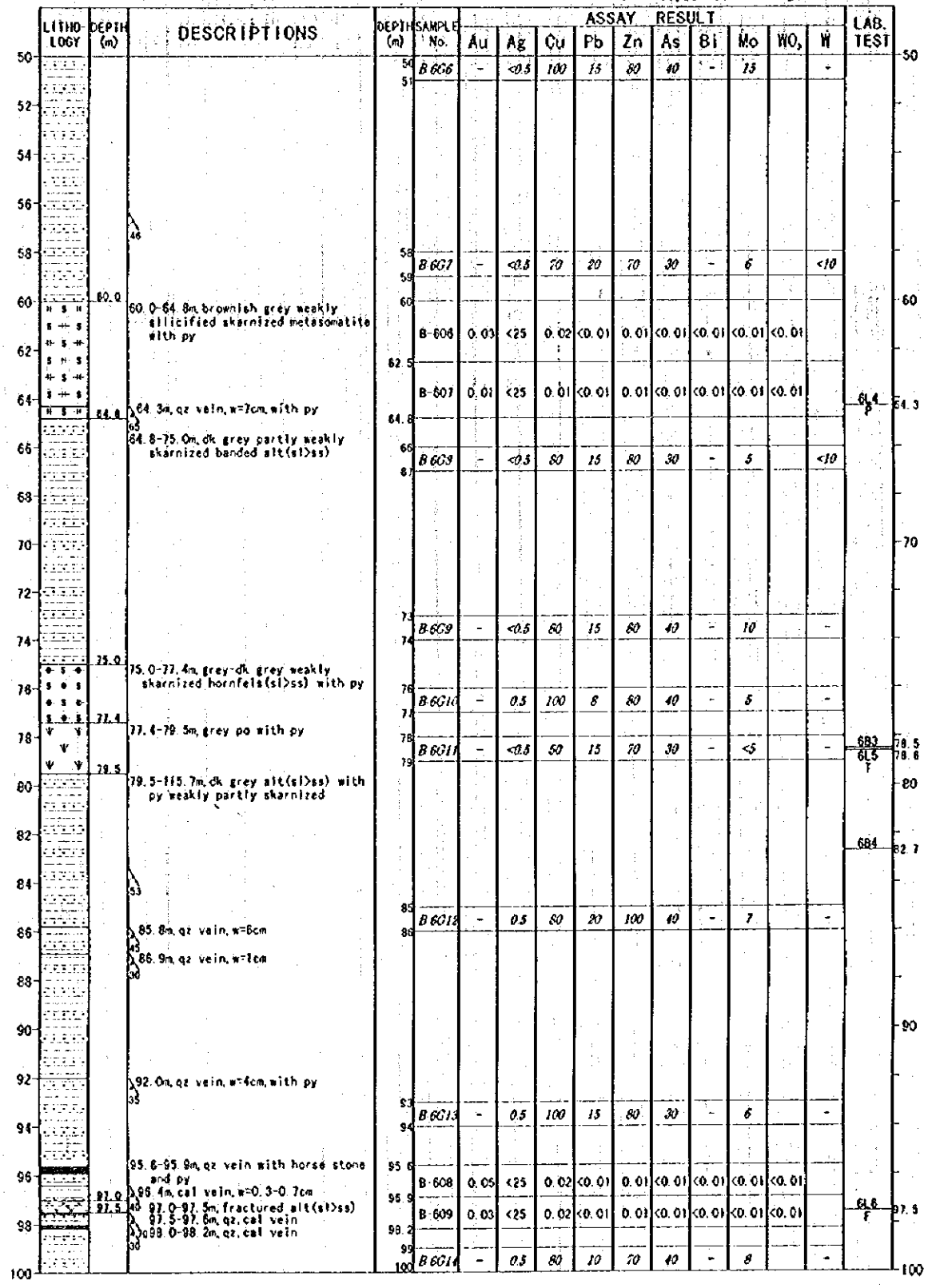


GEOLOGIC CORE LOG OF MJUB-6 (2/4)

1/200

MJUB-6 (2/4) 50 m ~ 100 m

Level 207.15m Direction S20°W
X 69,124.28m Inclination -80°
Y 92,291.05m Length 153.0m

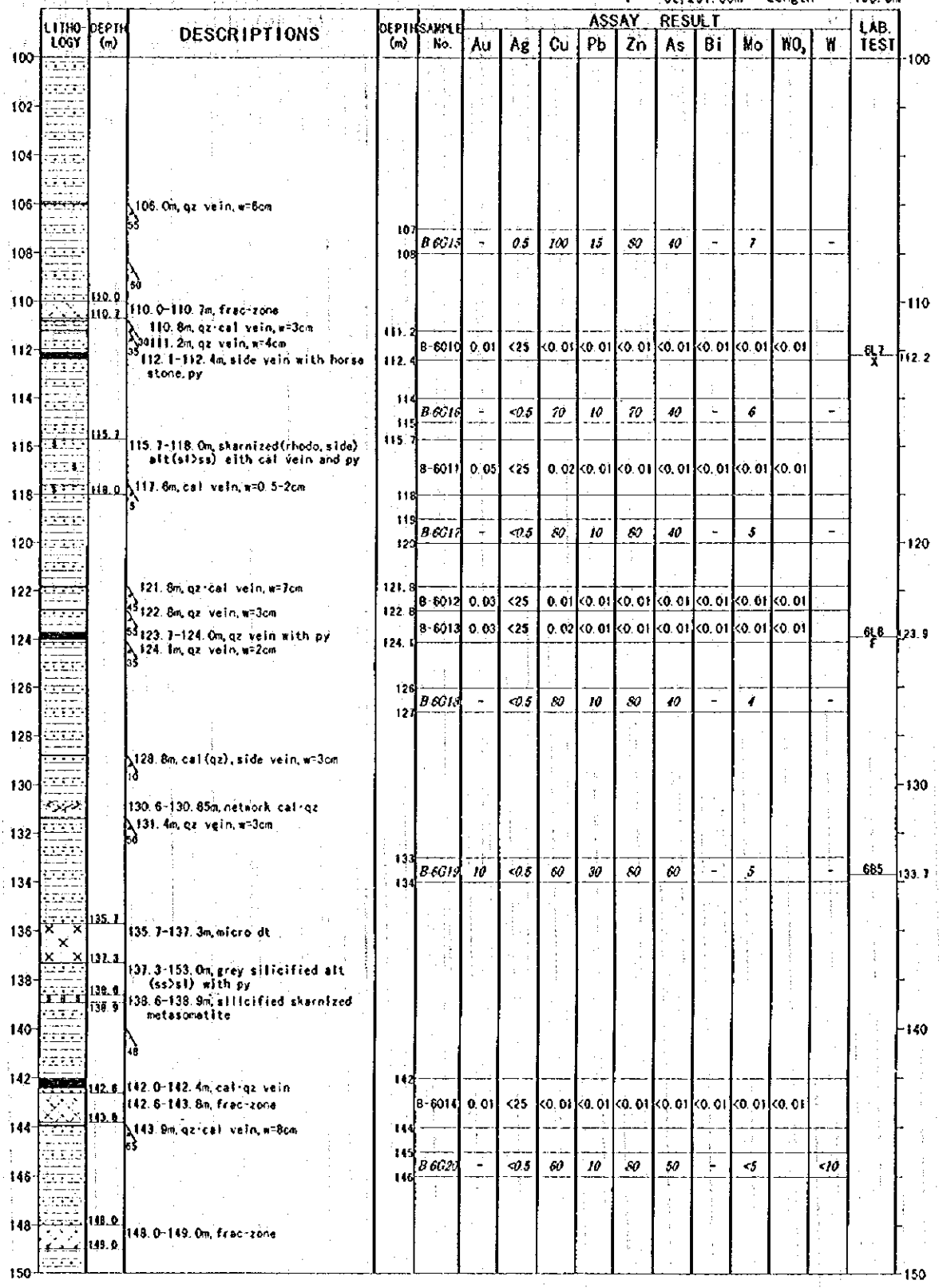


GEOLOGIC CORE LOG OF MJUB-6 (3/4)

1/200

MJUB-6 (3/4) 100 m ~ 150 m

Level 207.15m Direction S20°W
X 69,124.28m Inclination -80°
Y 92,291.05m Length 153.0m



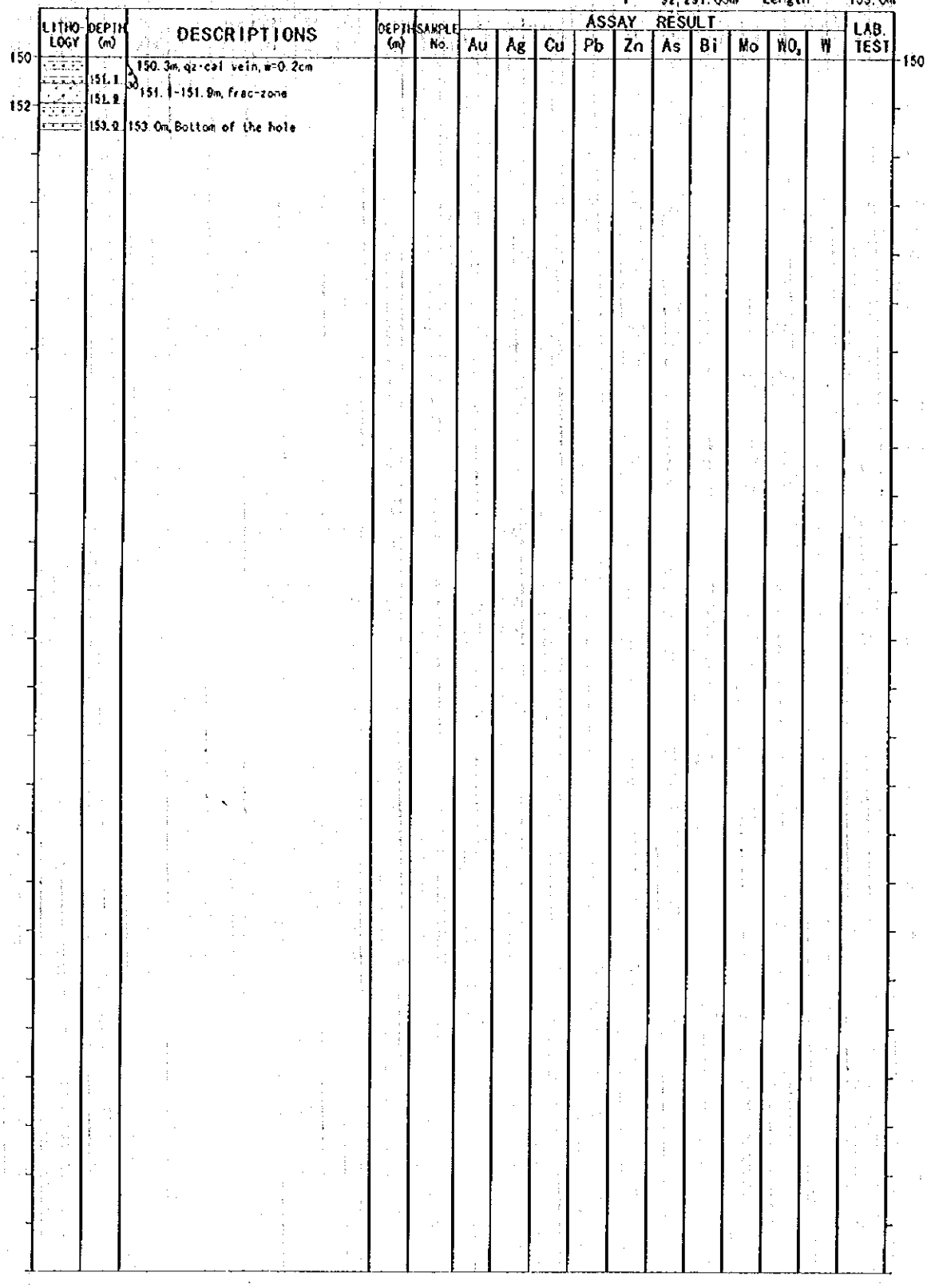
DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
	B-6015	-	0.5	100	15	80	40	-	7		-	
111.2	B-6010	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		6L7 X
112.4												
	B-6016	-	<0.5	70	10	70	40	-	6		-	
115.7												
	B-6011	0.05	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	B-6017	-	<0.5	80	10	80	40	-	5		-	
121.8	B-6012	0.03	<25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
122.8	B-6013	0.03	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		6L8 F
124.1												
	B-6018	-	<0.5	80	10	80	40	-	4		-	
	B-6019	10	<0.5	60	30	80	60	-	5		-	6B5
	B-6014	0.01	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	B-6020	-	<0.5	60	10	80	50	-	<5		<10	

GEOLOGIC CORE LOG OF MJUB-6 (4/4)

1/200

MJUB－6 (4／4) 150 m ～ 153 m

Level 207.15m Direction S20°W
X 69,124.28m Inclination -80°
Y 92,291.05m Length 153.0m

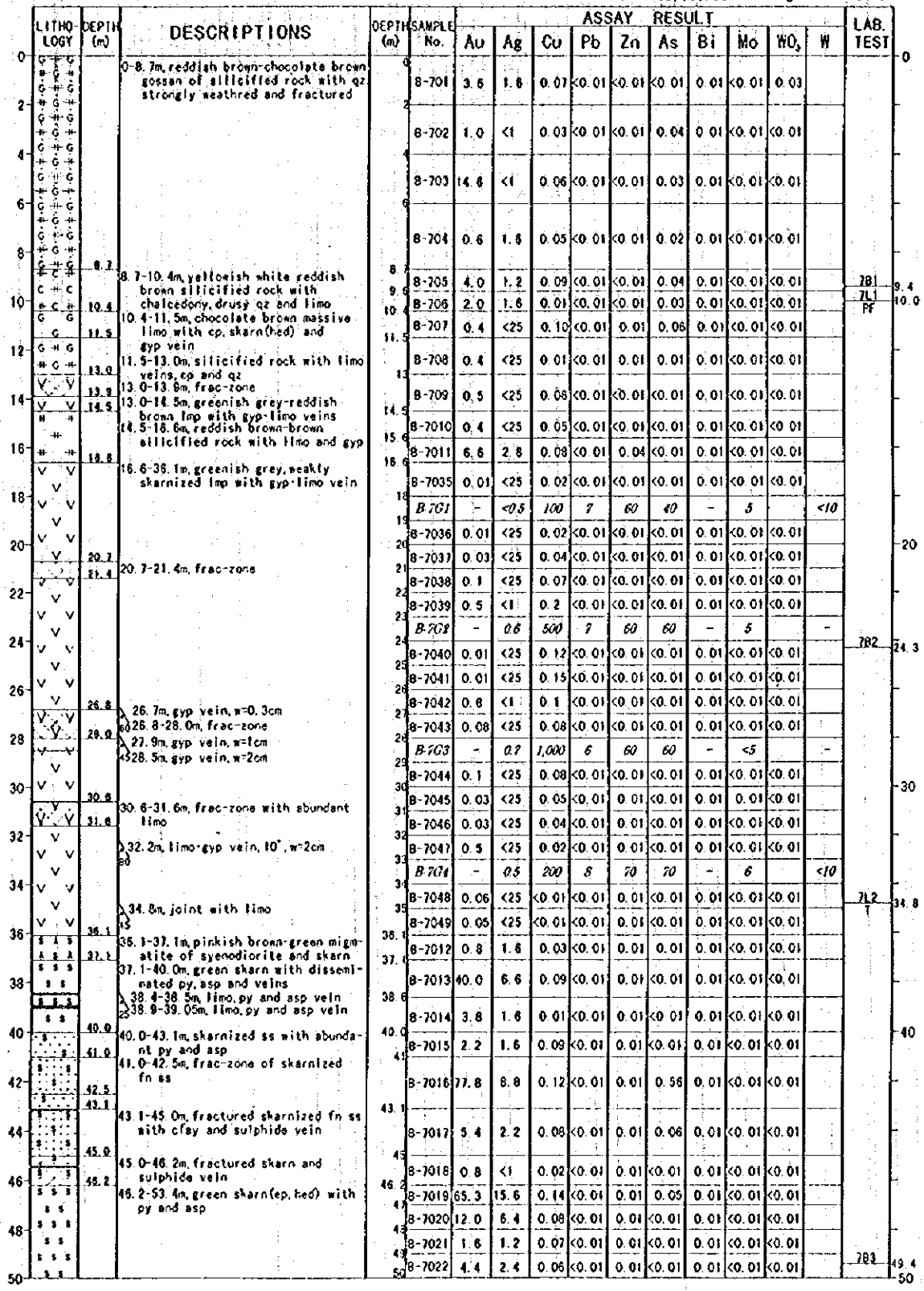


GEOLOGIC CORE LOG OF MJUB-7 (1/2)

1/200

MJUB-7 (1/2) 0 m ~ 50 m

Level 240.08m Direction S16°W
X 68,619.89m Inclination -80°
Y 92,180.76m Length 100.5m



LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	8.7	0-8.7m, reddish brown-chocolate brown gossan of silicified rock with qz strongly weathred and fractured
	10.4	8.7-10.4m, yellowish white reddish brown silicified rock with chalcedony, drusy qz and limo
	11.5	10.4-11.5m, chocolate brown massive limo with cp, skarn(hed) and gyp vein
	13.0	11.5-13.0m, silicified rock with limo veins, cp and qz
	13.9	13.0-13.9m, frac-zone
	14.5	13.0-14.5m, greenish grey-reddish brown lmp with gyp-limo veins
	16.6	14.5-16.6m, reddish brown-brown silicified rock with limo and gyp
	20.7	16.6-36.1m, greenish grey, weakly skarnized lmp with gyp-limo vein
	21.4	20.7-21.4m, frac-zone
	26.8	26.7m, gyp vein, w=0.3cm
	29.0	26.8-28.0m, frac-zone
	30.6	27.9m, gyp vein, w=1cm
	31.6	28.5m, gyp vein, w=2cm
	36.1	30.6-31.6m, frac-zone with abundant limo
	37.1	32.2m, limo-gyp vein, 10°, w=2cm
	40.0	34.8m, joint with limo
	41.9	35.1-37.1m, pinkish brown-green migmatite of syenodiorite and skarn
	42.5	37.1-40.0m, green skarn with disseminated py, asp and veins
	43.1	38.4-38.5m, limo, py and asp vein
	45.9	38.9-39.05m, limo, py and asp vein
	46.2	40.0-43.1m, skarnized ss with abundant py and asp
		41.0-42.5m, frac-zone of skarnized fn ss
		43.1-45.0m, fractured skarnized fn ss with cfay and sulphide vein
		45.0-46.2m, fractured skarn and sulphide vein
		46.2-53.4m, green skarn(ep, hed) with py and asp

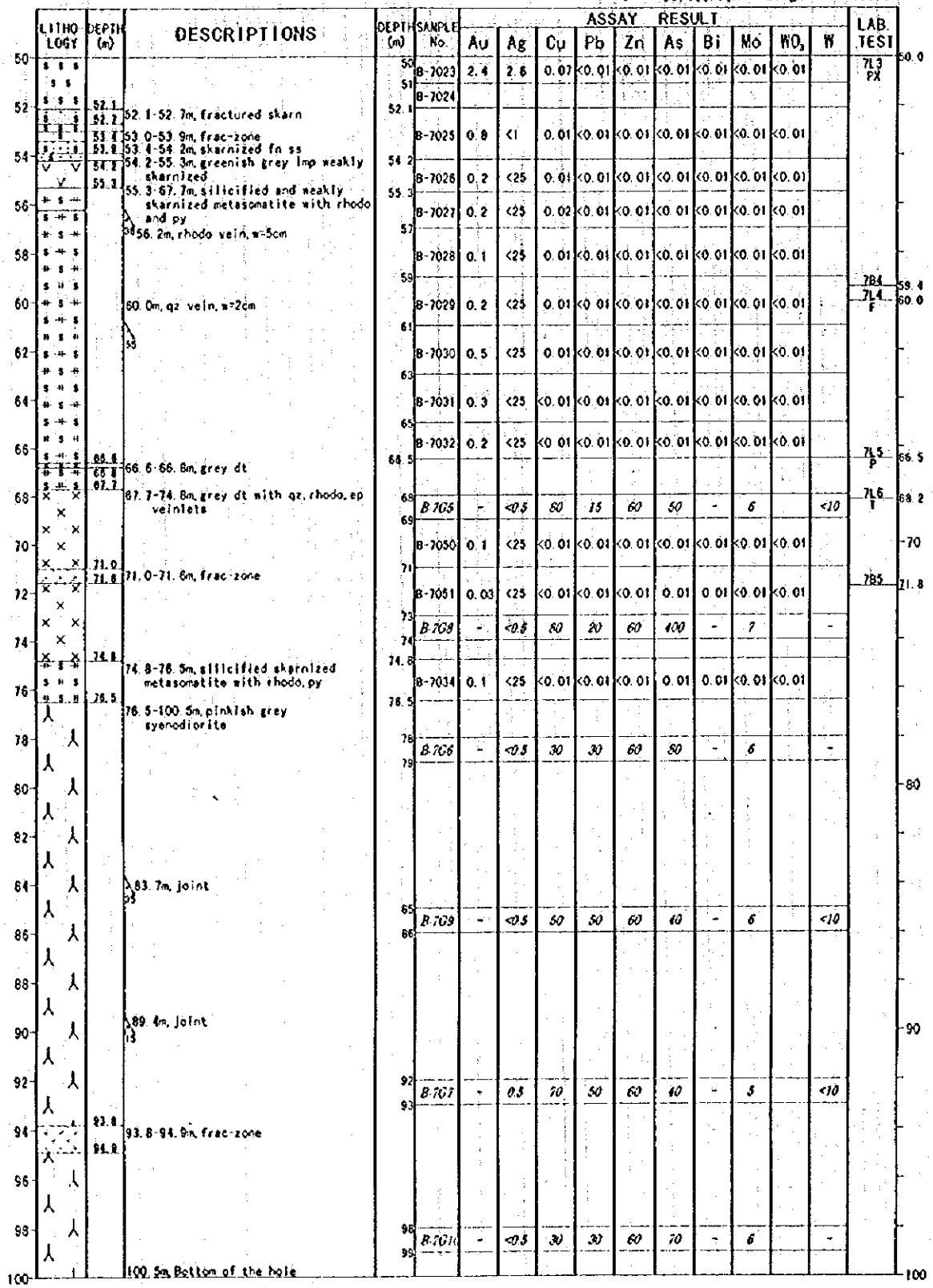
DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
0												
	B-701	3.6	1.6	0.07	<0.01	<0.01	<0.01	0.01	<0.01	0.03		
2												
	B-702	1.0	<1	0.03	<0.01	<0.01	0.04	0.01	<0.01	<0.01		
4												
	B-703	14.6	<1	0.06	<0.01	<0.01	0.03	0.01	<0.01	<0.01		
6												
	B-704	0.6	1.6	0.05	<0.01	<0.01	0.02	0.01	<0.01	<0.01		
8.7												
	B-705	4.0	1.2	0.09	<0.01	<0.01	0.04	0.01	<0.01	<0.01		781
9.6												9.4
	B-706	2.0	1.6	0.01	<0.01	<0.01	0.03	0.01	<0.01	<0.01		7L1
10.4												10.0
	B-707	0.4	<25	0.10	<0.01	0.01	0.06	0.01	<0.01	<0.01		PF
11.5												
	B-708	0.4	<25	0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01		
13												
	B-709	0.5	<25	0.08	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
14.5												
	B-7010	0.4	<25	0.05	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
15.6												
	B-7011	6.6	2.8	0.08	<0.01	0.04	<0.01	0.01	<0.01	<0.01		
16.6												
	B-7035	0.01	<25	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
18												
	B-7G1	-	*<0.5*	*100*	*7*	*60*	*40*	-	*5*		*<10*	
19												
	B-7036	0.01	<25	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
20												
	B-7037	0.03	<25	0.04	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
21												
	B-7038	0.1	<25	0.07	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
22												
	B-7039	0.5	<1	0.2	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
23												
	B-7G2	-	*0.6*	*500*	*7*	*60*	*60*	-	*5*		-	
24												782
	B-7040	0.01	<25	0.12	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		24.3
25												
	B-7041	0.01	<25	0.15	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
26												
	B-7042	0.6	<1	0.1	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
27												
	B-7043	0.08	<25	0.08	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
28												
	B-7G3	-	*0.7*	*1,000*	*6*	*60*	*60*	-	*<5*		-	
29												
	B-7044	0.1	<25	0.08	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		
30												
	B-7045	0.03	<25	0.05	<0.01	0.01	<0.01	0.01	0.01	<0.01		
31												
	B-7046	0.03	<25	0.04	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
32												
	B-7047	0.5	<25	0.02	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
33												
	B-7G4	-	*0.5*	*200*	*8*	*70*	*70*	-	*6*		*<10*	
34												
	B-7048	0.06	<25	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01		7L2
35												34.8
	B-7049	0.05	<25	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01		T
36.1												
	B-7012	0.8	1.6	0.03	<0.01	0.01	0.01	0.01	<0.01	<0.01		
37.1												
	B-7013	40.0	6.6	0.09	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
38.6												
	B-7014	3.8	1.6	0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
40.0												
	B-7015	2.2	1.6	0.09	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
41												
	B-7016	77.8	8.8	0.12	<0.01	0.01	0.56	0.01	<0.01	<0.01		
43.1												
	B-7017	5.4	2.2	0.08	<0.01	0.01	0.06	0.01	<0.01	<0.01		
45												
	B-7018	0.8	<1	0.02	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
46.2												
	B-7019	65.3	15.6	0.14	<0.01	0.01	0.05	0.01	<0.01	<0.01		
47												
	B-7020	12.0	6.4	0.08	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
48												
	B-7021	1.6	1.2	0.07	<0.01	0.01	<0.01	0.01	<0.01	<0.01		
49												
	B-7022	4.4	2.4	0.06	<0.01	0.01	<0.01	0.01	<0.01	<0.01		783
50												49.4

GEOLOGIC CORE LOG OF MJUB-7 (2/2)

1/200

MJUB-7 (2/2) 50 m ~ 100.5 m

Level 240.08m Direction S16° W
X 68,619.89m Inclination -80°
Y 92,180.76m Length 100.5m



DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Bi	Mo	WO_3	W	LAB. TEST
		ASSAY RESULT										
50	B-7023	2.4	2.6	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		7L3 PX 50.0
51	B-7024											
52.1	B-7025	0.9	<1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
54.2	B-7026	0.2	<25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
55.3	B-7027	0.2	<25	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
57	B-7028	0.1	<25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
59	B-7029	0.2	<25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		7B4 59.4 7L4 F 60.0
61	B-7030	0.5	<25	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
63	B-7031	0.3	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
65	B-7032	0.2	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		7L5 P 66.5
68.5												
69	B-7G5	-	<0.5	60	15	60	50	-	6		<10	7L6 T 68.2
69	B-7050	0.1	<25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		70
71	B-7051	0.03	<25	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01		7B5 71.8
73	B-7G8	-	<0.5	60	20	60	100	-	7		-	
74												
74.8	B-7034	0.1	<25	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01		
78.5												
78	B-7G6	-	<0.5	30	30	60	50	-	6		-	
79												
80												80
82												
84												
85	B-7G9	-	<0.5	60	50	60	40	-	6		<10	
86												
88												
90												90
92	B-7G7	-	0.5	70	50	60	40	-	5		<10	
93												
96												
98	B-7G10	-	<0.5	30	30	60	70	-	6		-	
99												
100												100

Appendix 2. Result of Laboratory Works

Appendix 2-1 List of Laboratory Works

Items	Quantity					Total
	Geological survey		Drilling survey		Geophysical survey	
	Geological survey	Trench	Sautbay district	Bulutkan district		
1. Thin section	10	26	12	20	—	68
2. Polished section	—	36	14	17	—	67
3. X-ray diffraction analysis	—	46	3	16	—	65
4. Fluid inclusion test	—	36	2	16	—	54
5. Rock analysis (Au, Ag, As, Cu, Pb, Zn, Bi, Mo, W)	91	713	—	100	—	904
6. Ore analysis 1) (Au, Ag, As, Cu, Pb, Zn, Bi, Mo, WO_3)	30	—	—	301	—	331
2) (Au, Ag, As, Cu, Pb, Zn)	—	512	—	—	—	512
3) (Au, Ag, Cu, Bi, Mo, WO_3)	—	—	200	—	—	200
7. Resistivity and chargeability test	—	—	—	—	40	40
Total	131	1,369	231	470	40	2,241

Appendix 2-2 Microscopic Observations of the Thin Sections(1/3)

No.	Sample No.	Location	Rock name	Primary minerals													Secondary minerals								Remarks
				Qtz	Pl	Kfs	Bt	Hbl	Cpx	Spn	Ap	Cal	Tur	Ms	Zrn	Rt	Hem	Opq	Chl	Act	Ms	Bt	Ep	Zo	Ser	Cal	
1	FR 2	Local grid (93,70)	Lamprophyre	△	○	△	△				·				·		·	·	·		○				○		plagioclase porphyritic
2	FR 4	Local grid (93,71)	Lamprophyre	△	○	△										·		·	○		·					○	chloritized biotite pseudomorph
3	FR 9	Local grid (91,68)	Porphyritic diorite	○	○	△	○	○		·	·				·		·	·	○						△		plagioclase porphyritic
4	FR 16	Local grid (85,71)	Greenschist	○	·	·	△				·							·		○							primary actinolite
5	FR 17	Local grid (83,70)	Granodiorite	△	○	△	○			·	·				·			·	·		△				·		
6	FR 19	Local grid (86,71)	Aplite	△	△	○				·	·					·		·			△				△		
7	HR 4	Local grid (92,70)	Lamprophyre	△	○	○		○			·				·			·	△	△					△	·	chloritized biotite pseudomorph
8	HR 5	Local grid (94,74)	Biotite granodiorite	○	○	△	○				·				·			·	△						△	·	
9	HR 7	Local grid (95,73)	Lamprophyre	△	○	○	△			·	·				·	·		·	△		·				·		
10	HR 10	Local grid (93,70)	Weathered rhyolite?	△																						○	
11	S-1L4	MJUS-1 191.0m	Skarnized phyllite	○	△						·							·	△		·				△	△	
12	S-1L7	MJUS-1 327.0m	Syenodiorite	○	○	△	○	○			·				·			·	△	△		·			△	·	secondary biotite in hornblende
13	S-2L1	MJUS-2 67.5m	Dolerite	△	○			·		·	·							·	·	△	○		·		△	·	komatiitic texture
14	S-2L8	MJUS-2 330.0m	Granodiorite	○	○	△				△	·							·							○	△	
15	S-2L10	MJUS-2 384.0m	Diorite	○	○	·	○	△		·	·							·	·	△					·		
16	S-2L14	MJUS-2 423.0m	Granodiorite	○	○	○	·			·	·				·			·	△			·			·	·	chloritized biotite pseudomorph
17	S-3L3	MJUS-3 196.2m	Sandy shale	○	△													·	△		△					·	calcite vein
18	S-3L5	MJUS-3 312.5m	Altered syenodiorite	○	○	·				·	△				·			·	△	○	·				·	·	prehnite vein, chloritized biotite
19	S-3L8	MJUS-3 372.2m	Granodiorite porphyry	○	○	·	△			·	·				·			·	△	·			·		·	·	
20	S-4L1	MJUS-4 9.2m	Slate with quartz vein	○			·							△	·		·	·	·							·	illite rich, rare green biotite
21	S-4L5	MJUS-4 278.4m	Granodiorite	○	○						·					·		·	△						△	·	calcite vein, chloritozed biotite
22	S-4L11	MJUS-4 341.5m	Granodiorite	○	○	△					·				·			·	·		·				△	△	chloritized biotite

Abbreviations

Qtz: quartz, Pl: plagioclase, Kfs: K-feldspar, Bt: biotite, Hbl: hornblende, Cpx: clinopyroxene, Spn: sphene, Ap: apatite

Cal: calcite, Tur: tourmaline, Ms: muscovite, Zrn: zircon, Rt: rutile, Hem: hematite, Opq: opaque mineral

Chl: chlorite, Act: actinolite, Ep: epidote, Zo: zoicite, Ser:sericite, Sap: saponite

Circle: abundant, Triangle: common, Dot: minor constituents

Appendix 2-2 Microscopic Observations of the Thin Sections(2/3)

No.	Sample No.	Location	Rock name	Primary minerals														Secondary minerals							Remarks
				Qtz	Pl	Kfs	Bt	Hbl	Cpx	Spn	Ap	Cal	Tur	Ms	Zrn	Rt	Hem	Opq	Chl	Act	Ms	Bt	Ep	Zo	Ser	Cal	
23	T-1 T1	T-1 321.0m	Lamprophyre	○	○	・	○	○		・	・							・	・						△		
24	T-2 T1	T-2 485.0m	Porphyritic diorite	△	○	・	○	○		・	・				・	・		・	・						・	・	
25	T-3 T1	T-3 180.5m	Sandstone hornfels	○	△	△	・			・				○		△		・	△		・				・		
26	T-3 T4	T-3 242.0m	Syenite	△	○	△	・			・	・					・		・	△		・					・	calcite and chlorite in vein
27	T-3 T5	T-3 270.0m	Diorite	△	△	△					・				・	・		・	△				・	・	△	△	chloritized biotite pseudomorph
28	T-3 T7	T-3 228.5m	Hornfels	○	・	・		・		・	・		・	○				△	・		・		・	・	・		
29	T-4 T3	T-4 376.5m	Microdiorite	・	○	・	・	○			・				・	・		・	・				・		・	△	
30	T-4 T4	T-4 451.5m	Aplite	○	○	○		・		・			・	△					・				・	・	・		
31	T-4 T5	T-4 453.0m	Lamprophyre	△	○	△												・	・		△				△		
32	T-4 T6	T-4 603.0m	Sandstone	○												・		・								・	including rock fragments
33	T-4 T7	T-4 748.0m	Dolomite									△															dolomite rich
34	T-5 T2	T-5 382.0m	Lamprophyre	△	○	△	△			・	・							・	△						・	△	
35	T-5 T3	T-5 387.0m	Microsyenodiorite	△	○	△				△	・							・	△						△	△	
36	T-5 T5	T-5 652.0m	Porphyritic granodiorite	○	○	・				△	・				・	・		・	△		△				・		chloritized biotite pseudomorph
37	T-6 T1	T-6 193.0m	Sandstone hornfels	○	○	・				△									・		○				・	△	
38	T-6 T3	T-6 343.8m	Lamprophyre	△	○	○				・								・	○		・				・		
39	T-6 T4	T-6 398.0m	Rhyolite	○							・					・		・	△		・						
40	T-7 T-2	T-7 396.0m	Skarn						○			○						・									
41	T-7 T-3	T-7 494.5m	Sandstone	○								○					・	・	△								hematite veined, Chl/Sap mixed layer
42	T-8 T2	T-8 532.0m	Phyllitic sandstone	○	△	・				・	・			○		・		△	・		・		・	・	・	・	
43	T-9 T1	T-9 335.0m	Lamprophyre	△	○	△				・	・					・		△	△		○				・	・	
44	T-9 T2	T-9 353.0m	Brecciated siliceous slate	○														・								○	

Abbreviations

Qtz: quartz, Pl: plagioclase, Kfs: K-feldspar, Bt: biotite, Hbl: hornblende, Cpx: clinopyroxene, Spn: sphene, Ap: apatite
Cal: calcite, Tur: tourmaline, Ms: muscovite, Zrn: zircon, Rt: rutile, Hem: hematite, Opq: opaque mineral
Chl: chlorite, Act: actinolite, Ep: epidote, Zo: zoicite, Ser:sericite
Circle: abundant, Triangle: common, Dot: minor constituents

Appendix 2-2 Microscopic Observations of the Thin Sections(3/3)

No.	Sample No.	Location	Rock name	Primary minerals														Secondary minerals								Remarks
				Qtz	Pl	Kfs	Bt	Hbl	Cpx	Spn	Ap	Cal	Tur	Ms	Zrn	Rt	Hem	Opq	Chl	Act	Ms	Bt	Ep	Zo	Ser	Cal	
45	T-9 T3	T-9 712.0m	Chert	○							·							△								·	secondary quartz veined
46	T-10 T1	T-10 230.3m	Syenodiorite	○	△	○		△		·	·					·		·	△		·				△	·	chloritized biotite pseudomorph
47	T-10 T3	T-10 245.8m	Dolomite								·	·						·									dolomite rich
48	T-10 T4	T-10 595.0m	Sandstone	○							·						△	·			·						rock fragment, illite bearing
49	B-1L2	MJUB-1 36.3m	Lamprophyre	△	○	·										·		·	△		○				△	△	
50	B-1L3	MJUB-1 37.2m	Silicified skarnized rock	○	○					·	·							·	·		△		○	○		○	
51	B-1L12	MJUB-1 98.0m	Biotite lamprophyre	○	○	△	○	○		·	·							·	·						△	·	
52	B-1L13	MJUB-1 105.4m	Syenodiorite	○	○	○	○	○		·	·				·	·		·	△								·	rare andalusite??
53	B-1L15	MJUB-1 131.4m	Syenite	○	○	△					·							·	·		○				△	△	
54	B-2L3	MJUB-2 35.4m	Sandy shale	○	○	·	·			·	·				·	·		·	○		○				○		thin alternation of sand and shale
55	B-2L4	MJUB-2 47.7m	Lamprophyre	△	○	△									·			·	△		○				△	△	
56	B-2L11	MJUB-2 160.2m	Altered lamprophyre	△	○	△					·							·	△		○				△	△	
57	B-2L12	MJUB-2 166.8m	Altered biotite granite	○	○	△				·	·					·		·	·		○				○	△	weathered, biotite pseudomorph
58	B-3L1	MJUB-3 27.0m	Lamprophyre	△	○	△												·	○		○				○	○	
59	B-3L2	MJUB-3 38.8m	Sandy shale	○						·								△	△	○	○		△	△		·	
60	B-3L8	MJUB-3 102.1m	Hornblende-biotite granite	○	○	○	○	○		·	·				·			·	△						·		
61	B-4L2	MJUB-4 20.8m	Turmaline granite	△	○	○			△	·		△		·	·			·			△		·		△		
62	B-4L5	MJUB-4 85.2m	Lamprophyre	○	○	○	△	○		·	·				·			△	·						·		
63	B-4L7	MJUB-4 107.8m	Syenite	△	△	△				·	·							·	·		△				○	·	
64	B-5L2	MJUB-5 35.2m	Lamprophyre	△	○	△	○	○							·			△	△						○	○	
65	B-5L3	MJUB-5 106.6m	Diorite	○	○	△	○			·	·				·			·	△		△			·	△	△	
66	B-6L5	MJUB-6 78.6m	Porphyrite	○	○	·				·	·							·	·		△				△	△	
67	B-7L2	MJUB-7 34.8m	Lamprophyre	△	○	△	○	○		·	·				·			·	△						·		
68	B-7L6	MJUB-7 68.2m	Diorite	○	○	○	△	△		·	·				·			·	·				·	·	·	·	

Abbreviations

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Cal: calcite, Tur: tourmaline, Ms: muscovite, Zrn: zircon, Rt: rutile, Hem: hematite, Opq: opaque mineral
Chl: chlorite, Act: actinolite, Ep: epidote, Zo: zoicite, Ser:sericite
Circle: abundant, Triangle: common, Dot: minor constituents

Appendix 2-3 Photomicrographs of the Thin Sections

Abbreviations

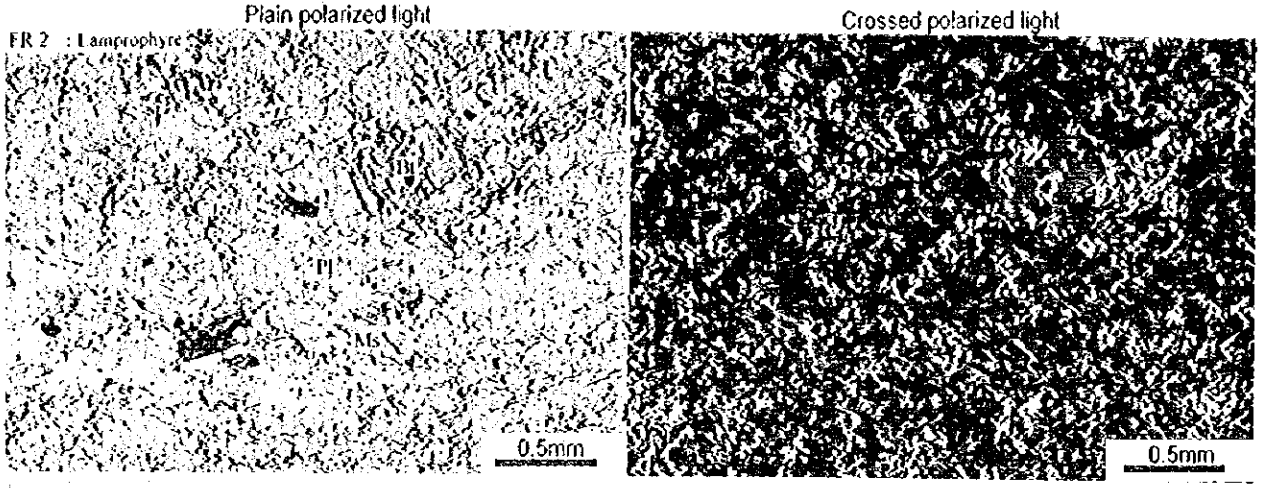
Act : Actinolite
Bt : Biotite
Cal : Calcite
Chl : Chlorite
Cpx : Clinopyroxene
Dol : Dolomite
Hb : Hornblende
Hm : Hematite
Kfs : K-feldspar
Ms : Muscovite
Pl : Plagioclase
Qtz : Quartz
Rt : Rutile
Ser : Sericite
Spn : Spinel
Tur : Tourmaline
Zo : Zoisite

Appendix 2-3 Photomicrographs of the Thin Sections (1/17)

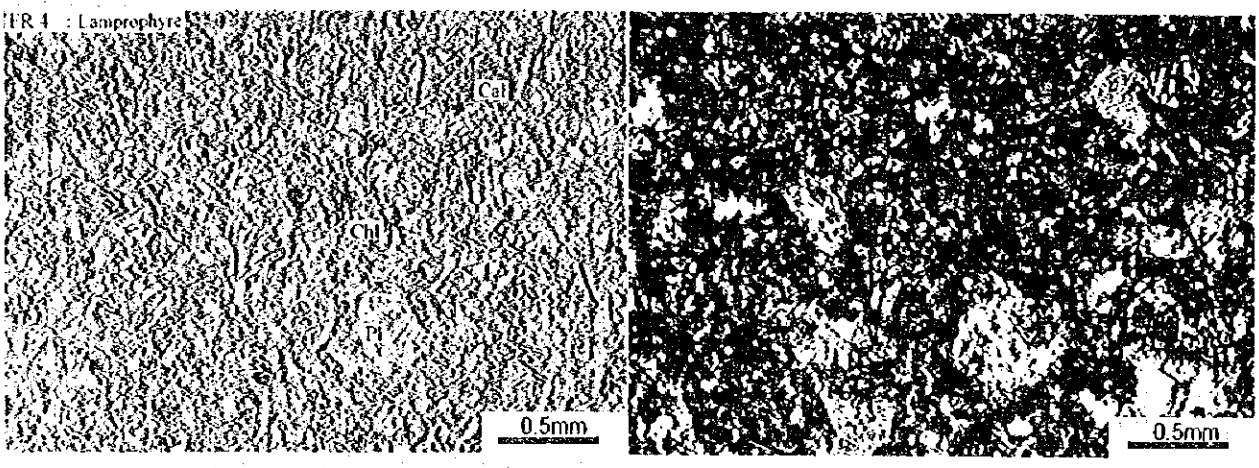
Plain polarized light

Crossed polarized light

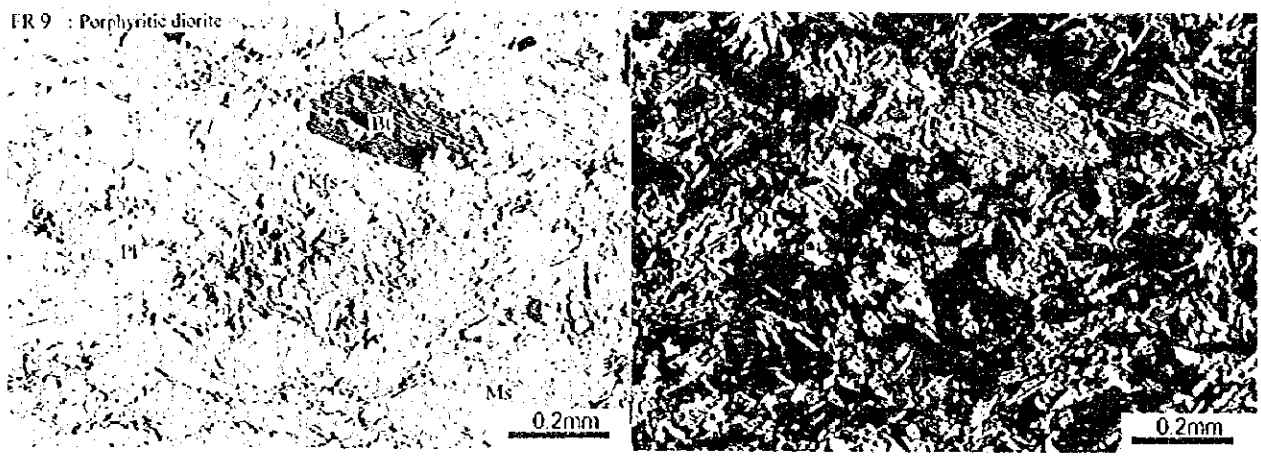
FR 2 : Lamprophyre



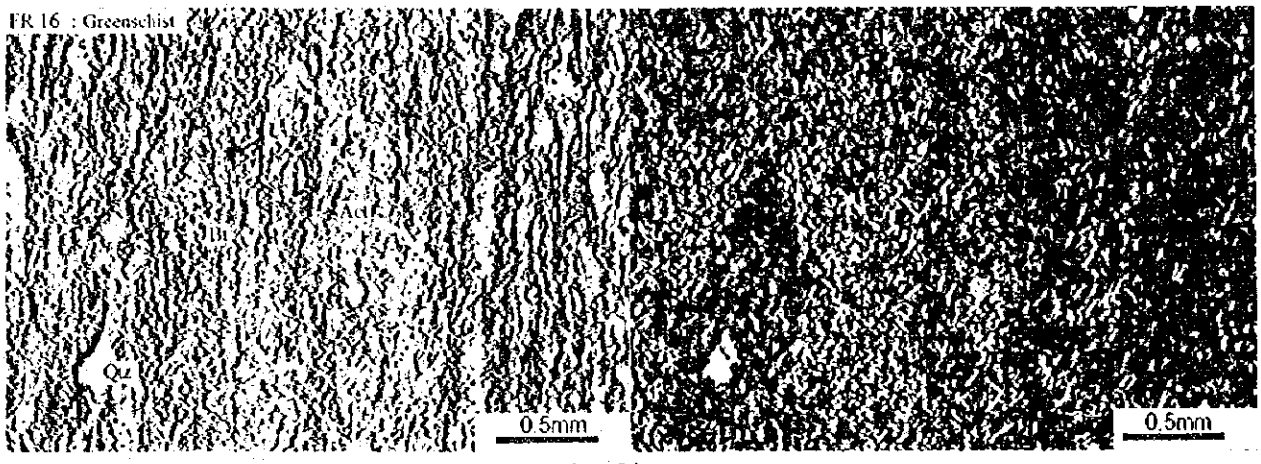
FR 4 : Lamprophyre



FR 9 : Porphyritic diorite



FR 16 : Greenschist

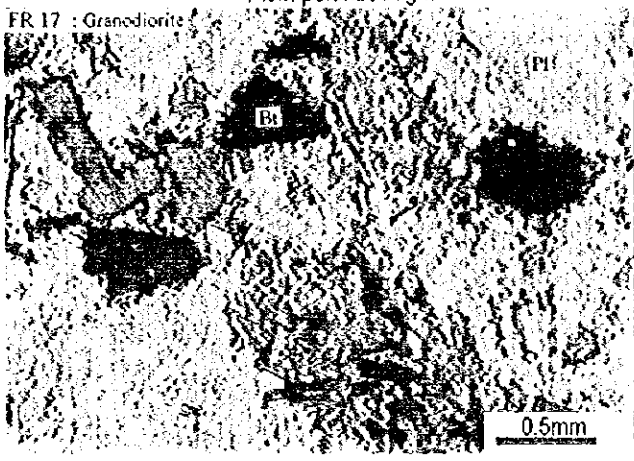


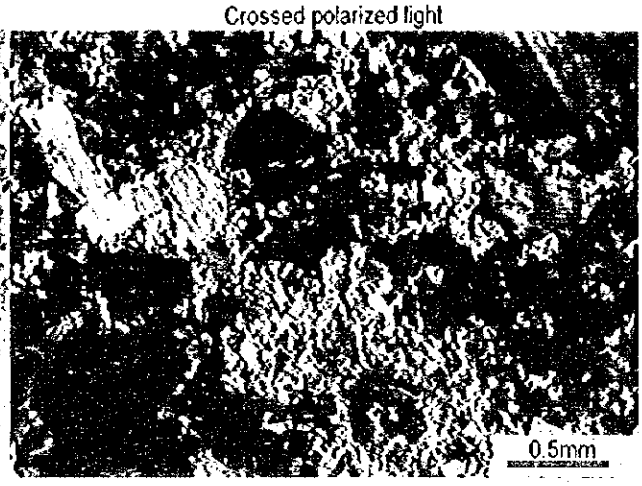
Appendix 2-3 Photomicrographs of the Thin Sections (2/17)

Plain polarized light

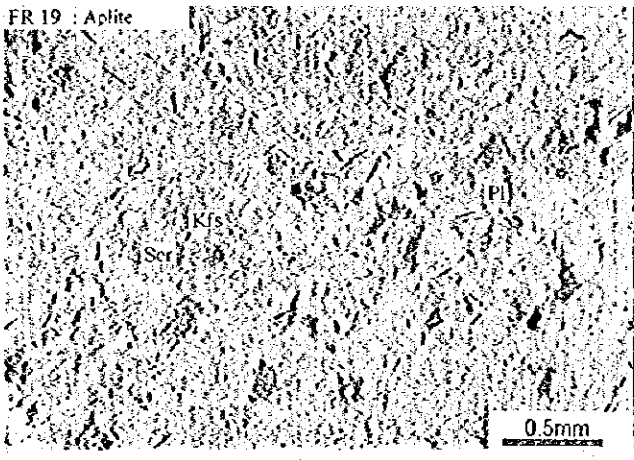
Crossed polarized light

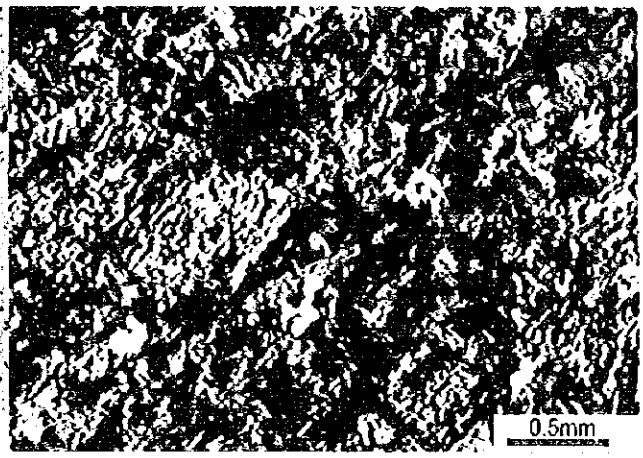
FR 17 : Granodiorite



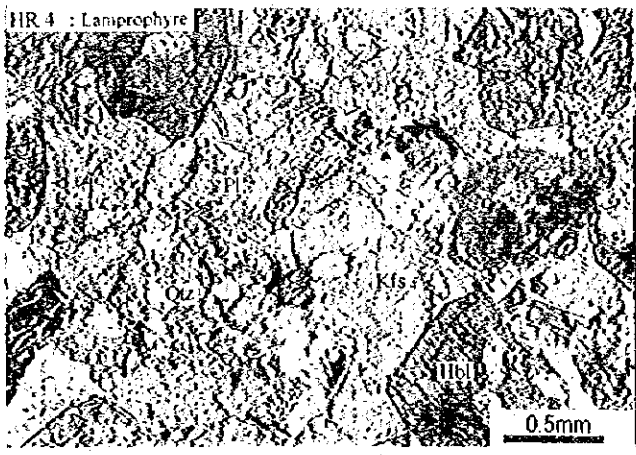


FR 19 : Aplite

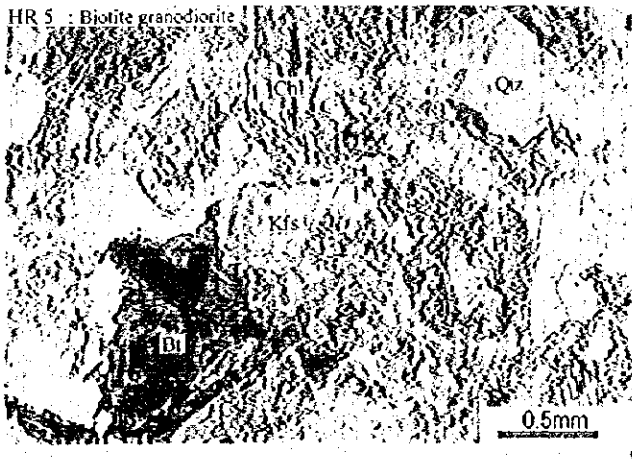




HR 4 : Lamprophyre



HR 5 : Biotite granodiorite



Appendix 2-3 Photomicrographs of the Thin Sections (3/17)

Plain polarized light

Crossed polarized light