PART III

CONCLUSIONS AND RECOMMENDATIONS

Chapter 1 Conclusions

According to the results of Phase III survey in the Bambangan area (a III), the drilling of five holes (total drilling length of 1,507.10m) was carried out to clarify the lateral and vertical extension of porphyry copper type mineralized zone clarified by Phase I and Phase II surveys.

The conclusions drawn out from the survey are as follows:

1. The mineralized zone is formed in both adamellite porphyry stock and in the surrounding rocks (i.e. hornfels and peridotite) and extends ellipsoidally to about 400m in N-S direction, about 200-250m in E-W direction and with a thickness of about 90m in the central part.

2. The mineralization occurs predominantly both in adamellite porphyry and in hornfels, especially in the vicinity of the boundary of both rocks. However, it becomes weak and local in peridotite zone.

3. The average grades of the mineralized zone intersected by five drill holes are Cu 0.06%, Au 0.04 g/t, Mo 24 ppm in 96.0m of average width. These values show an extremely low grade in comparison with the case of the Mamut ore deposit (Cu 0.56%, Au 0.6 g/t).

4. The Pinosuk Gravels having a thickness of 70 170m, cover the said mineralized area.

5. Based on the result of these surveys and the overall discussion of the potential of development of mineralized zone, we have finally concluded that the size of ore deposit will be small even if further exploration work is added to mineralized zone.

The above results seem to indicate that so far as present stage is concerned, a low possibility of new mine development is seen.

6. However, it is suggested that some mineralized zone which may be similar to these of the Bambangan, could be occurred in some places underneath the Pinosuk Gravels.

Chapter 2 Recommendations

For the reasons mentioned in Chapter 1, no further exploration work for the following up in the Bambangan area is so far recommended.

However, in A-area other than A-1 area, two low resistivity zones were detected by CSAMT method. Among these, A-3 zone in Kundasang side seems to have a relation with mineralization, but no further survey has been done. Therefore for this anomaly (A-3), the follow-up IP·SIP method survey (drilling based upon the results of IP·SIP survey) is considered necessary.

REFERENCES

. Akiyama Y. (1984): A case history - exploration, evaluation and development of the Mamut porphyry copper deposit, Geol. Soc. Malaysia, Bull. 17 P.237-225.

. Bol, A. J. and Hoorn, B. (1980): Structural styles in Westerm Sabah offshore. Geol. Soc. Malaysia, Bull. 12, P.1-16.

. Bull P.F. (1976): The Gunung Nungkok Copper Prospect. M. Sc thesis, University of London (Unpublished).

. Chung S. K. (1978): Geological Survey of Malaysia, Ann. Report for 1978. Malaysia Geol. Surv., P.67-77, P.95-109.

. Collenette P. (1958): The Geology and Mineral Resources of the Jesselton - Kinabalu area. North Borneo Brit. Borneo Geol Survey Memoir 6, P.1-194.

. Collenette P. (165): The geology and mineral resources of Pensiangan and upper Kinabatangan area, Sabah, Malaysia. Borneo Reg., Malaysia Geol. Surv. Mem. 12, P.1-150.

. Collenette P. (1965): Geochemical Survey Labuk Area 1963-4, Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1964, P.50-51.

. Collenette P. (1965): The geology and mineral resources of Pensiangan and upper Kinabatangan area, Sabah, Malaysia. Borneo Reg. Malaysia Geol. Surv. Mem., 12, P.1-150.

. Collenette P. (1965): Prospecting in Sabah by Borneo Mining Limited 1959-1963. Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1964, P.57-61.

. Cooper R. A., Woolf D. L. and Tooms J. S., (1964): A geochemical reconnaissance survey of part of the Labuk Valley, Sabah Borneo Region, Malaysia Geol Survey Ann. Report for 1963, P.176-185.

. Collenette P. (1967): Labuk Valley, Mineral Investigation and Consequent Development, Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1966, P.68-71.

. Creasey S. C. (1977): Instrusives associated with porphyry copper deposits. Geol. Soc. Malaysia Bull. 9, P.51-66.

. Fitch F. H. (1958): The Geology and Mineral Resources of the Sandakan Area, North Borneo. Borneo Region, Malaysia Geological Survey Memoir 9, P.115-152.

. G. S. (1968): Geochemical Prospecting in the Semporna Peninsula, Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1967, P.66-70.

. Haile N. S. (1968): The northwest Borneo geosyncline in its geotectonic setting. Geol. Soc. Malaysia Bull. 1, P.59.

. Haile N. S. (1969): Geosynclinal theory and the organizational pattern of the northwest Borneo geosyncline. Geol. Soc. Lordon Quart. Jour., 124, P.171-194.

. Hillebrand J. R. (1962): First quater progress report Borneo Exploration Programme, GSJL 007/62 (Unpublished).

. Hillebrand J. R. (1963): Report on Investigation of the Mankadau Mineral District, West Coast Residency, North Borneo, GSJL 007/65 (Unpublished).

. Hoppe P., Weber H. S. & Yan A. (1981): Geochemical prospecting in Kinabalu - Ranau Paranchangan area, M.G.M & J.K.B.S. 81/4.

. Hoppe P. (1982): Report on photogeology of the Paranchangan Sungai Paliu Area. M.G.M. & J.K.B.S. 82/2.

. Hoppe P. (1982): Report on field check in Sungai Paliu Area, M.G.M. & J.K.B.S. 82/4 (Unpublished).

. Hutchison C. S. (1968): Tectogene hypothesis applied to the pre-tertiary of Sabah and the Philippines Geol. Soc. Malaysia Bull. 1, P.65-79.

. Hutchison C. S. (1975): Ophiolites in Southeast Asia. Geol. Soc. Am. Bull. 86, P.797-806.

. Hutchison C. S. (1978): Ophiolites metamorphism in northeast Borneo. Lithos 11, P.195-208.

. Jacobson G. (1970): Gunong Kinabalu area, Sabah, Malaysia. Geol. Surv. Malaysia Report, 8, P.1-111.

. Jacobson G. and Kim P. (1972): Some engineering properties of Sabah rocks. Malaysia Geol. Surv., Geol. Papers, Vol. 1, P.18-27.

. Kasama T., Akimoto H., Sada S. and Jacobson G. (1970): Geology of the Mt. Kinabalu area, Sabah, Malaysia Jour. Geoscience, Osaka City Univ., 13 (6), P.113-148.

. Kirk H. J. C. (1963): Cinnabar near Rabau. North Borneo Geol, Surv. Ann. Report for 1962, P.155-157.

. Kirk H. J. C. (1963): Igneous Rocks of North Borneo and Sarawaku Borneo Geol, Surv. Ann. Report for 1962, P.20-29.

. Kirk H. J. C. (1964): Igneous Rocks of North Borneo and Sarawaku Borneo Geol, Surv. Ann. Report for 1962, P.29-31, for 1963, P.82-89.

. Kirk H. J. C. (1964): Igneous Rocks of North Borneo and Sarawak Borneo Geol, Surv. Ann. Report for 1962, P.31-36, for 1963, P.89-94, P.176-185.

. Kirk H. J. C. (1965): Igneous Rocks of North Borneo and Sarawak Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1964, P.87-91.

. Kirk H. J. C. (1966): The Mineralogy of Pinanduan Copper deposit, Sabah, Malaysia. Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1965, P.196-204.

. Kirk H. J. C. (1966): Hydrothermal mineralization and igneous rocks in East Malaysia. Borneo Reg., Malaysia Geol. Surv., Geol. Papers. Bull. 8, P.53-61, 1967.

. Kirk H. J. C. (1967): The Mamut Copper Prospect, Kinabalu, Sabah Borneo Reg., Malaysia Geol. Surv., Geol. Papers 1966, Bull. 8, P.68-80.

. Kirk H. J. C. (1967): Diamond Drilling Costs at the Mamut Prospect, Kinabalu, Kinabalu, Sabah, Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1966.

. Kirk H. J. C. (1967): Porphyry Copper Deposit in Northern Sabah, Malaysia Trns. Insta. Mining Metal (Section B: Appl. Earth Sci) Vol. 6. PB212-3.

. Kirk H. J. C. (1968): The igneous rocks of Sabah and Sarawak, Borneo Reg., Malaysia Geol. Surv. Bull. 5, P.201 Kuching.

. Koopmans B. N. and Stauffer P. H. (1967): Glacial Phenomena on Mount Kinabalu, Sabah. Borneo Reg., Malaysia Geol. Surv., Geol. Papers 1966, Bull. 8, P.25-35.

. Kosaka H. and Wakita K. (1978): Some geologic features of the Mamut porphyry copper deposit. Econ. Geol. 73, P.618-627.

. Lee D. (Chung S. K.) (1979): Geological Survey of Malaysia Ann. Report for 1979, Copper. Malaysia Geol. Surv. P.68-79, P.119-129.

. Leong T. K. (1969): Clastic Sediments and Sedimentary rocks of the Ranau area, Sabah, East Malaysia. B. Sc. (Hons) thesis, University of Malaya Kuala Lumpur (Unpublished).

. Leong Khee Meng (1970): Introduction to Geology of the Ranau - Paranchangan Area, Sabah, Malaysia Geol. Surv. Ann. Report, P.148-150.

. Leong Khee Meng (1972): Ranau - Paranchangan Area. (Report 12). Malaysia Geol. Surv. Ann. Report.

. Leong T. K. (1970): Bouldery mudflow deposit at Ranau, Sabah, East Malaysia. Geol. Soc. Manaysia Bull. 3, P.139-146.

. Leong K. M. (1974): The Geology and Mineral Resources of the upper Segama Valley and Darvel Bay Area Sabah, Malaysia Geol. Surv. Memoir 4.

. Leong K. M. (1977): New ages from radiolarian cherts of the Chert - Spilite Formation, Sabah. Geol. Soc. Malaysia Bull. 8, P.109-111.

. Lewis D. E. (1965): Case History of a Geochemical Anomalous Copper Zone in Pinanduan, Sabah, Malaysia, Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1964, P.163-175.

. Lewis D. E. (1967): The Karang Copper Prospect, Karamuak Valley, Sabah, Malaysia Borneo Reg., Malaysia Geol. Surv., Geol. Papers Bull. 8, P62-67.

. Liechti P., Roe F. W. and Haile N. S. (1960): The Geology of Sarawak, Brunei and the western part of North Borneo. Brit. Borneo Geol. Surv., Bull. 3, P.360.

. Lim P. S. (1974): Geology and copper mineralization of the Mamut area, Sabah, East Malaysia. B. Sc. thesis, Univ. Malaya, P.1-117.

. Lim P. S. (1982): Geology of the Mankadau area, Merungin. Geol. Surv. of Malaysia Ann. Report, P.251-254.

. McManus J. and Tate R. B. (1986): Mud volcanoes and the origin of certain chaotic deposits in Sabah, East Malaysia. GEOSEA Proceeding Vol. I. Geol. Soc. Malaysia, Bull. 19 P.193-205.

. MMAJ (1970): Aeromagnetic Survey of the Kinabalu - Tambuyukon Area, Saba, Malaysia. Hunting Geology and Geophysics Ltd.

. Myers L. C. (1977): A weathering profile developed on ultrabasic rocks at Telupid, Sabah. Malaysia Geol. Surv., Geol. Papers Vol. 2, P.66-71.

. Nagano K., Takenouchi S., Imai H. and Shoji T. (1977): Fluid inclusion study of the Mamut porphyry copper deposit, Mining Geology (Japan) Vol. 27, P.201-212.

. Newton - Smith J. (1965): The Bidu - Bidu Hills, Sabah (Report 4), Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1964, P.114-121.

. Newton - Smith J. (1966): Geology and copper mineralization in the Mamut River area, Kinabalu. Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1965, P.40-68, 88-96.

. Newton - Smith J. (1967): Bidu - Bidu Hills Area, Sabah, East Malaysia Borneo Reg., Malaysia Geol. Surv. Report 4.

. Newton - Smith J. (1977): Geology and mineralization at the Mamut Copper Prospect, Sabah, Malaysia Geol. Surv., Geol. Papers Vol. 2, P.55-65.

. Nishiyama T. (1983): Minor elements in pyrite and chalcopyrite from the Mamut mine, Malaysia. Mining Geol. (Japan) 33, P.1-7.

. O.M.R.D. Sabah (1981): Introducing Mamut Copper Mine, Sabah, Malaysia Sarawak Mining Industries Ass. Vol. 1, P.59-61.

. Shoji T., Imai H. and Takenouchi S. (1977): Study on microprobe microanalysis of the ore minerals from the Mamut mine, Sabah, Malaysia. Mining Geology (Japan) Vol. 27, P.323-330.

. Singh D. S. and Khoo T. T. (1977): A review of the progress in knowledge of the geology and mineral resources of Malaysia from 1972 to early 1975. Geol. Soc. Malaysia Bull. 8, 95-107.

. Stauffer P. H. (1967): Studies in the Crocker Formation, Sabah, Borneo Reg., Malaysia Geol. Surv., Papers 1966, Bull. 8, P.1-13.

. Stauffer P. H. (1968): Glaciation of Mount Kinabalu Geol. Soc. Malaysia, Bull. 1, P.63.

. Stauffer P. H. (1974): Malaya and Southeast Asia in the pattern of continental drift. Geol. Soc. Malaysia Bull. 7, P.89-138.

. Titley S. R. (1978): Copper, molybdenum, and gold content of some porphyry copper systems of the southwestern and western Packfic. Econ. Geol. 73, P.977-981.

. Tokuyama A. and Yoshida S. (1974): Kinabalu Fault, a large strike-slip fault in Sabah, East Malaysia. Geology and palaeontology of southeast Asia (Kobayashi T. and Toriyama R. eds) Univ. Tokyo Press. 14, P.175-188.

. Walker P. B. et al. (1961): Secondary Dispersion on Copper from the Karang Lode, North Borneo. Borneo Region, Malaysia Geological Survey Bull. 4, P.91-118.

. Walker P. B. (1961): Report on Geochemical Surveys in Karang and Tambuyukon Concession. GSJL 007/61 (Unpublished).

. Wilfred G. E. (1968): Notes on the geomorphology of Sabah, Borneo Reg., Malaysia Geol. Surv., Geol. Papers 1967, Bull. 9, P.1-22.

. Wilfred G. E. (1968): Iron and Nickel prospecting at Tavai Plateau 1962-64, Sabah Borneo REg., Malaysia Geol. Surv., Geol. Papers 1967, Bull. 9, P.80-87.

. Winkler H. A. (1966): Geophysical Prospecting in the Kinabalu and River Sualong Area, Labuk Valley, Sabah. Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1965, P.205-211.

. Wilford G. E. (1967): Geological map of Sabah, East Malaysia, 2nd ed., Borneo Reg., Malaysia Geol. Surv.

. Woolf D. L. (1965): Report on the Labuk Valley Natural Resources Survey: Geochemical Investigations 1963-1965. GSJL 210/13 P.80 (Unpublished).

. Woolf D. L., Tooms J. S. and Kirk H. J. C. (1966): Geochemical Survey in the Labuk valley, Sabah. Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1965, P.212-226.

. Wong N. P. Y. (1967): Mount Silam Area, Sabah (Report 7) Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1966, P.62-68.

. Wong N. P. Y. (1967): Geology and copper mineralization of the Bambangan valley, Kinabalu, Sabah. Borneo Reg., Malaysia Geol. Surv. Bull. 8, P.81-88.

. Wong N. P. Y. (1968): Segama - Darvel Bay area, Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1967, P.48-52.

. Wong N. P. Y. (1968): Geochemical Prospecting, Segama Area. Borneo Reg., Malaysia Geol. Surv. Ann. Report for 1967.

APPENDICES

A-1 Record of Drill Core Logging (MJM-14, -15, -16, -17, -18, 1/200)

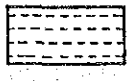
LEGEND

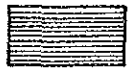

PG Pinosuk Gravels (loose)

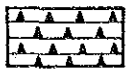

PG Pinosuk Gravels (solid)

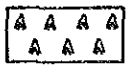

Td Turbidite

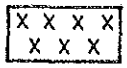

Ss Sandstone

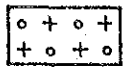

St Siltstone


Mt Mudstone (Sh) (Shale)


Hf Hornfels

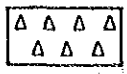

Sp Spilite

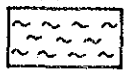

Md Microdiorite


Ap Adamellite porphyry (Ad) (Adamellite)


Pt Peridotite (Srp) (Serpentinite)


arg argillized


bre brecciated (frag) (fragmented)


shr sheared


silic silicified

Abbreviations

bi ; biotie	bo ; bornite	mtx ; matrix
cal ; calcite	mal ; malachite	gr ; grained
chlo ; chlorite	pyr ; pyrrhotite	grvl ; gravel
cly ; clay	cup ; cuprite	sdy ; sandy
gt ; garnet	pyrophy ; pyrophyllite	imp ; impregnation
qz ; quartz	kaol ; kaolinite	lns ; lens
srp ; serpentine	arg ; argillized	netwk ; network
tlc ; talc	bg ; bearing	oxd ; oxidized
epi ; epidote	blchd ; bleached	strg ; stringer
gt ; garnet	bld ; boulder	vlt ; veinlet
ank ; ankerite	bre ; brecciated	wthd ; weathered
cp ; chalcopyrite	cls ; clastic	xeno ; xenolith
limo ; limonite	diss ; dissemination	(vp) ; (very poor)
moly ; molybdenite	fin ; fine	(p) ; (poor)
py ; pyrite	flt ; fault	(m) ; (moderate)
mag ; magnetite	fract ; fractured	(a) ; (abundant)
mar ; marcasite	frag ; fragmented	

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 14 (0 m to 60 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
			no core										
9.00 10		Pinosuk Gravels (loose)	← Ap bld 40cm (small orthoclase phenocryst) with sdy and cly mtx ← mtx part consist of round pebble size – blackish cly size materials ← bld of Ad (py dot), Ap and Hf	(m) oxd									
19.50 20		Pinosuk Gravels (solid)	← (a) Ad bld ← Ap large bld (1.25m) and frag brownish earthy mtx ← black Mt bld Py streaks netwk ← brownish earthy color oxd part 50cm of Srp bld and mtx ← mostly Ad brittle bld with sdy mtx										
30													
40													
41.70			← Srp and Ad bld (a) do do										
50													
50.80			← mainly Ap (Py, Epi, Chlo strg) ← (a) of sdy mtx zone										
60													

No. MJM – 14 (0 m to 60 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 14 (60 m to 120 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results								
					Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
		Pinosuk Gravels (solid)	← Ad bld (epi, streaks, strg)										
			← (a) of mtx zone	(m) oxd									
			← dark greenish grey and brown color										
65.70													
			← (a) of mtx zone dark greenish gray color										
70													
72.60													
			← a little fragile mtx zone										
77.10													
		Adamellite Porphyry	← most parts are brittle core zone	(m) oxd	604	77.10	190	0.05	580	2	2	23	70
80					605	79.00	160	0.03	1,300	4	2	241	123
					606	80.60	250	0.05	361	2	1	32	35
83.10													
			shr zone (a) of Ad bld, Hf (lim/qz strg)	(m) oxd	607	83.10	150	0.08	166	2	1	22	37
85.70					608	84.60	110	0.08	86	1	1	16	49
			flt zone (slime only)										
87.30													
		Adamellite Porphyry	← fragile core zone	native cu, cup	609	87.30	100	0.11	560	1	1	18	26
					610	88.30	100	0.09	1,500	3	1	20	49
90					611	89.30	100	0.08	4,400	7	1	26	93
			← reddish brown goss qz streaks, strg and vlt (a)		612	90.30	130	0.05	880	4	1	22	36
					613	91.60	190	0.05	994	4	1	31	55
					614	93.50	120	0.05	732	4	1	11	36
			← more frag and crushed core	native cu cup	615	94.70	130	0.20	9,300	10	3	14	113
					616	96.00	100	0.11	2,000	7	3	9	44
					617	97.00	110	0.11	1,280	4	3	19	42
98.10													
			← pyr, py/qz strg and vlt (m)	primary	618	98.10	120	0.09	850	65	2	18	39
100					619	99.30	70	0.05	466	55	1	64	73
			← Cp dot Pyrr, Py along qz streak	Cp	620	100.00	210	0.05	1,000	38	1	19	51
101.60													
			← (a) silic Ap	py, pyr	621	102.10	400	0.05	1,400	37	2	145	173
			← arg brittle core with Pyrr, Py, Mar										
					622	106.10	350	0.08	670	40	1	18	38
110													
			do		623	109.60	110	0.08	695	43	1	15	38
					624	110.70	100	0.03	1,200	16	2	35	46
117.60													
		Hornfels	← v. strong sil, black ~ blackish color	(P) Py diss	625	111.70	220	0.05	383	53	1	10	47
					626	113.90	110	0.05	552	70	1	9	35
			← Py, pyr diss in small drusy qz		627	115.00	240	0.05	360	15	1	20	50
					628	117.40	90	0.08	490	7	1	29	30
118.50		Adamellite -Porphyry (thin layer)			629	118.30	90	0.06	200	4	1	45	37
118.60			← py, pyr/qz strg in place	pyr	630	119.20	110	0.08	446	22	1	26	23
120													

No. MJM – 14 (60 m to 120 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 14 (120 m to 180 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Hornfels	← irregular lamination	pyr
122.50			clyey shr zone qz grains	
123.40		Turbidite	← brittle core zone	(m) oxd native cu
127.30		Hornfels	← qz strg, vlt as netwk Py dot, in strg	(m) oxd wholly strong silic
130			Chlo streak and strg in place	moly, cp
135.10		Adamellite -Porphyry	strong oxd in place	native Cu, cup
136.50		Hornfels	← brown streak bg	(m) oxd
			← black ~ blackish grey color partly frag	cp fine dot
140			qz, py/qz strg in place	(p) oxd
			Mag rare in qz streak	
			dark gray - blackish gray color (m) silic	
150			Cp Py/qz strg	Cp, moly
150.35			moly Py	
151.60			Mar	mar
			oxd only along crack wholly (m) silic, qz strg as netwk,	mar (p)
			qz, chlo streaks and strg as netwk in place	oxd along crack (p) mar py streaks
160			qz strg netwk	(p) oxd
165.90			clv bre zone	167.20
166.30			moly, cp dot in mar and mar, py along qz streak and strg	primary zone ↓ mineralization
170			partly arg fract zone py, Mar/qz streaks - strg	
173.70				
174.10			mar, py/qz streaks (P)	
180				

Assay Results

Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
631	120.30	100	0.05	123	53	1	10	33
632	121.30	120	0.09	156	77	1	13	34
633	122.50	80	0.09	487	111	1	27	50
634	123.30	90	0.03	252	18	1	21	17
635	124.20	30	0.15	800	16	1	89	24
636	124.50	280	0.11	578	39	1	93	165
637	127.30	110	0.03	900	55	1	43	95
638	128.40	100	0.03	1,050	47	2	470	148
639	129.40	100	0.03	750	35	1	43	59
640	130.40	100	0.08	805	11	1	71	80
641	131.40	100	0.17	885	9	1	16	52
642	132.40	100	0.09	1,205	17	1	12	58
643	133.40	100	0.11	983	24	1	14	69
644	134.40	100	0.11	1,130	14	3	70	136
645	135.40	100	0.12	858	17	2	20	82
646	136.40	100	0.03	1,020	9	2	12	81
647	137.80	170	0.05	500	45	2	10	61
648	139.50	90	0.05	865	57	1	28	73
649	140.40	80	0.06	550	36	1	88	102
650	141.20	140	0.11	600	14	2	15	98
651	142.60	110	0.05	600	34	1	105	71
652	143.70	100	0.03	425	75	1	20	145
653	144.70	100	0.09	482	19	1	10	46
654	145.70	100	0.05	1,300	20	1	17	58
655	146.70	100	0.05	865	47	1	10	73
656	147.70	100	0.05	683	36	1	11	89
657	148.70	100	0.15	618	75	1	11	68
658	149.70	100	0.05	493	88	1	17	42
659	150.70	100	0.03	352	31	1	8	44
660	151.70	100	0.05	412	28	1	5	51
661	152.70	100	0.03	200	20	1	7	45
662	153.70	100	0.06	275	5	1	6	49
663	154.70	100	0.08	293	13	1	9	43
664	155.70	100	0.05	360	25	1	44	82
665	156.70	100	0.06	260	48	1	10	45
666	157.70	150	0.05	560	13	1	10	63
667	159.20	100	0.05	295	15	1	10	55
668	160.20	100	0.08	265	80	1	100	77
669	161.20	100	0.06	300	17	1	14	47
670	162.20	100	0.03	290	27	1	14	35
671	163.20	100	0.05	305	28	1	11	38
672	164.20	170	0.05	237	4	1	12	39
673	165.90	60	0.22	175	22	3	21	34
674	166.50	70	0.10	208	44	3	45	70
675	167.20	80	0.07	123	57	2	31	40
676	168.00	90	0.07	270	70	2	18	33
677	168.90	90	0.10	520	48	2	20	73
678	169.80	100	0.19	533	51	2	12	38
679	170.80	90	0.12	188	25	2	16	34
680	171.70	100	0.05	169	66	2	11	45
681	172.70	100	0.07	426	40	1	29	56
682	174.10	100	0.08	252	35	1	26	35
683	175.10	140	0.07	187	102	2	24	43
684	176.50	130	0.03	191	66	1	16	29
685	177.80	110	0.03	258	43	1	16	26
686	179.90	120	0.05	205	26	1	15	29

Slime only

No. MJM – 14 (120 m to 180 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 14 (180 m to 240 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Hornfels	181.30 ~ 182.30 frag core Mar, Py/qz streaks in place 184.90, 186.00, 187.30 moly dot in Py/qz streak Py/qz strg and vlt netwk in some place	wholly (m) silic moly
190				
191.50			191.50 ~ 192.20 cly shr zone	
193.60		fault and/or shear zone	cly shear zone in most part, coarse-Pebble-cobble size Hf (gray-blackish gray color) and cly mtx	
200				
201.50				
202.00		Hornfels	qz netwk with py, moly 204.30	py, moly
204.30				
204.90			206.40	
206.40			at 207.00, 15cm, qz vein (?)	py, pyr
210			py/qz vlt in place	
217.30			many cracks py, pyr/qz, chlo strg and vlt bg	
220			slate-alike occurrence in some place, 20° of stratification angle	moly
224.00				
225.20		Turbidite	pebble size bld, silic	py
226.50		Hornfels	py/qz streak, strg, bg	
229.10				
230		Turbidite	Cal strg rare, qz strg (a)	
232.10		Hornfels		
235.00			235.00 massive qz, chlo vlt (5cm) mar, py/qz, cal streaks, strg in place	cp cp
237.00				
239.60				
240				

Assay Results								
Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
687	180.10	100	0.13	295	31	3	16	29
688	181.10	90	0.08	88	29	2	13	39
689	182.00	110	ND	378	32	2	12	28
690	183.10	80	ND	183	22	2	14	31
691	183.90	100	ND	153	18	2	8	33
692	184.90	110	0.03	256	36	2	6	39
693	186.00	80	0.05	300	40	1	10	51
694	186.80	40	0.05	275	122	1	11	40
695	187.20	100	0.08	294	68	1	10	53
696	188.20	120	0.06	595	14	1	31	39
697	189.40	100	0.08	240	10	2	15	26
698	190.40	110	0.05	146	33	2	40	50
699	201.50	110	0.20	553	76	3	820	516
700	202.60	110	0.40	166	7	2	123	92
701	203.70	120	0.32	378	34	1	530	252
702	217.30	110	0.11	478	10	1	15	58
703	218.40	110	0.11	1,080	14	2	25	59
704	219.50	80	0.05	127	11	2	20	80
705	220.30	90	0.03	216	26	1	26	45
706	221.20	130	0.05	137	40	1	26	36
707	222.50	150	0.11	290	6	1	19	37
708	235.00	100	0.32	1,360	13	1	13	26
709	236.00	100	0.22	1,410	5	1	15	26

No. MJM – 14 (180 m to 240 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 14 (240 m to 301.00 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results								
					Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
241.10			shr zone										
242.10		Hornfels	fin cp dot, py/qz strg as netwk	cp	710	241.10	100	0.38	1,050	4	1	15	39
				(m) silic									
			py/qz, cal streak, strg and vlt										
250			do	cp (?)									
			greenish grey color										
255.70			cp bg py/qz irregular vlt (1 cm ±)	cp	711	255.70	100	0.11	1,040	6	1	15	32
256.70													
260			black color compact zone										
263.00			cp, few dot in py/qz strg in frag core, moly also	cp spot moly	712	263.00	90	0.05	217	5	1	15	33
					713	263.90	110	0.03	109	1	1	14	37
					714	265.00	100	0.05	180	7	1	11	35
		Hornfels		cp	715	266.00	110	0.05	122	19	1	16	44
			rare cp dot in py/qz	cp	716	267.10	100	0.05	130	1	1	18	42
			strg and barren qz		717	268.10	100	0.17	440	4	1	13	33
270			vlt (up to 5cm)		718	269.10	100	0.08	110	11	1	16	40
			rare fin cp dot in py/qz	moly	719	270.10	100	0.08	77	4	1	10	32
			netwk	cp	720	271.10	100	0.05	107	4	1	13	34
			do	cp	721	272.10	100	0.08	136	10	2	17	34
					722	273.10	100	0.06	132	2	2	15	44
					723	274.10	100	0.09	85	1	2	10	33
276.10					724	275.10	100	0.14	167	1	2	13	43
			black color zone, rare py dot along qz, chlo streak, strg	py									
280													
			cal, chlo, qz streaks in place	cp (?) dot									
			py, very fin cp (?)/qz strg, ca qz white part (massive shape 5 – 10 cm)	cp (?) dot cp (?) dot									
290													
			qz, chlo streak and strg netwk shape in place	cp (?) moly									
		Hornfels											
298.40			shr zone black frag core only										
300													
301.00			End of the Hole										

No. MJM – 14 (240 m to 301.00 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 15 (0 m to 60 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
10		Overburden	(some core)										
10.90		Pinosuk *Gravels* (solid)	← strongly silic Ap bld only earthy epi soft soil (as mtx)	(m) oxd									
			← black Hf, Ad bld and solid mtx, (a) Ad bld										
20			← loosy part in place										
			← Srp (oxd) 50cm bld										
			← 20cm ~ 50cm Srp bld and earthy color mtx	(m) oxd									
30			← Ad bld part										
			do										
			← Srp bld (1m, both side are oxd)										
			← Ad blds (max. 1.2m) and earthy brown solid mtx	weak oxd									
40			← Ad cobble size & foreign frag (grvl ~ pebble) with mtx										
			← Ad big bld (φ2.3m) from 44.00, then Ad bld (max 15cm) & brownish earthy color mtx										
50													
51.70			← (a) Ad bld (max φ50cm)	nearly no oxd									
56.30			Ad bld and crushed sdy mtx	(p) oxd									
60													

No. MJM – 15 (0 m to 60 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 15 (60 m to 120 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Pinosuk Gravels (solid)	← Ad bld (max 13cm) and (a) earthy color mtx contain many Ad pebbles	no oxd
65.40			← (a) black Hf (brown streaks) and Ad bld and a Ap bld (20cm), mtx portion (vp)	(p) oxd
70			← silic gray ~ white Hf bld (max 40cm) and frag Hf, few mtx part	
			← a Ap bld (75cm)	
80			← one 60cm Srp bld and one 85cm Ap bld	
81.70			← Ad bld (max 25cm), Pt, black Hf bld with some oxd., and sdy brownish mtx	(m) oxd
90			do	
91.90			← weak sheared zone (not clear) mtx part color color change to earthy color	(p) oxd
98.20			do	
100			← (a) mtx zone than bld part, mtx part weakly argillized.	
105.00			wholly weak shr, most of bld consists of Hf	
110				
111.40		Turbidite	black Hf bld – pebble size flow structure in place	no oxd
114.10			(a) frag (bld – pebble) accompany, Py/qz, chlo streak as netwk	Py/qz, chlo
117.30			do	do, Cp(?)
119.90				
120				

Assay Results

Sample No.	Depth (m)	Width (cm)	Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)
725	117.30	110	ND	273	12	2	22	36
726	118.40	150	0.03	440	19	2	25	29

No. MJM – 15 (60 m to 120 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 15 (120 m to 180 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
120.10		Turbidite		
121.30				
122.30			(a) black Hf pebble size br fragile part in place	(m) pyr
			122.30	
			127.10	
			128.30 mostly solid part	(vp) pyr
130			130.30	
130.30			qz pebble size bld found in many place	(vvp) pyr
140				
141.70		Srp	shr arg	
142.70		Adamellite -Porphyry (wholly brecciated)	143.60 20cm arg Srp bld (?) in crushed zone	Cp, Py dot, strg and diss
150			crushed core in most place	
			partly (v) solid core	do
			crushed core in most place	do
			partly solid core bg	do
160			do	do
			do	do
170				do
			176.60 Solid part with many cracks	do
180			179.80	

Assay Results								
Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
727	120.10	120	0.05	370	13	2	14	31
728	122.30	100	0.15	399	29	2	155	132
729	123.30	120	0.35	492	17	3	585	536
730	124.50	100	ND	313	11	2	143	101
731	125.50	160	ND	196	30	2	22	30
732	127.10	120	ND	263	43	2	21	34
733	128.30	80	ND	512	4	2	14	55
734	129.10	120	0.05	203	17	2	20	46
735	141.70	100	0.18	283	54	4	23	53
736	142.70	90	0.18	1,960	32	3	28	53
737	143.60	100	0.08	1,990	20	3	40	82
738	144.60	80	0.12	2,300	60	2	30	69
739	145.40	100	0.08	1,960	47	2	30	56
740	146.40	100	0.08	950	26	2	33	43
741	147.40	100	0.15	5,000	37	5	440	370
742	148.40	100	0.25	1,865	34	2	24	38
743	149.40	100	0.12	2,430	20	2	27	57
744	150.40	100	0.12	935	15	2	23	39
745	151.40	100	0.10	920	10	2	24	35
746	152.40	100	0.23	2,780	35	4	23	54
747	153.40	100	0.17	1,500	24	3	21	45
748	154.40	100	0.13	1,750	63	3	25	44
749	155.40	100	0.07	1,700	35	3	20	43
750	156.40	100	0.05	1,480	8	3	22	48
751	157.40	100	0.03	2,580	14	3	25	58
752	158.40	140	0.04	362	17	2	43	43
753	159.80	100	0.13	1,400	34	2	20	40
754	160.80	100	0.18	1,500	41	2	22	39
755	161.80	100	0.07	910	18	2	27	43
756	162.80	100	0.15	2,430	40	3	24	52
757	163.80	100	0.08	1,100	115	2	56	68
758	164.80	100	0.08	1,700	60	2	145	186
759	165.80	100	0.08	1,420	35	3	22	50
760	166.80	100	0.03	810	25	2	28	46
761	167.80	100	0.05	587	40	2	22	37
762	168.80	100	0.08	1,850	76	2	20	47
763	169.80	100	0.05	470	34	2	25	43
764	170.80	100	0.03	840	15	2	24	48
765	171.80	100	0.08	1,360	240	2	24	46
766	172.80	100	0.05	930	70	1	22	37
767	173.80	100	0.08	830	57	2	19	32
768	174.80	100	0.05	970	29	2	22	39
769	175.80	100	0.07	405	33	2	23	34
770	176.80	100	0.05	530	14	1	23	34
771	177.80	100	0.10	550	24	1	26	35
772	178.80	100	0.03	1,270	50	2	25	53

No. MJM – 15 (120 m to 180 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 15 (180 m to 240 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Adamellite -Porphyry	Solid part in place	(p) Cp dot
			183.40 — Py/Qz strg in place	moly dot
			189.00	
190			Solid but frg core	Cp diss
			194.30	
			fract zone in place	(vvp) Cp Py diss
200				
			203.10	
			solid part, but frag core	fine Cp, Py
			207.00	
			fract zone	(p) Cp, Py streak in place
210				
			porphyritic (marginal) texture	
213.50		Peridotite (Srp)	Srp-nization through out	
			218.50 — Ap bid (6cm, 2 – 7cm)	
220			fract and solid zone in most place,	do (p) Cp
233.50			blchd and arg in many place	(vp) py no Cp
230			do	
			233.80	do
240			solid part many qz streaks and strg	

Assay Results

Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
773	179.80	100	0.03	1,330	40	2	24	48
774	180.80	100	0.05	430	25	1	480	540
775	181.80	100	0.08	405	45	3	30	45
776	182.80	100	0.07	325	58	3	22	39
777	183.80	100	0.05	495	26	2	22	43
778	184.80	100	0.08	720	81	3	20	46
779	185.80	100	0.08	700	67	2	19	36
780	186.80	100	0.07	490	52	2	18	35
781	187.80	100	0.05	810	117	2	19	36
782	188.80	100	0.08	1,180	109	2	28	39
783	189.80	100	0.12	1,320	53	2	27	43
784	190.80	100	0.10	1,290	38	2	25	39
785	191.80	100	0.08	1,270	54	2	19	44
786	192.80	100	0.12	475	43	2	36	52
787	193.80	100	0.07	420	44	2	440	519
788	194.80	100	0.05	575	46	2	370	383
789	195.80	100	0.05	183	10	2	30	34
790	196.80	100	0.12	460	12	2	106	118
791	197.80	100	0.07	1,110	170	2	40	70
792	198.80	110	0.03	906	39	3	28	47
793	199.90	180	0.05	765	68	3	22	32
794	201.70	100	0.07	735	36	2	26	33
795	202.70	100	0.05	845	34	2	20	25
796	203.70	100	0.05	580	43	3	20	27
797	204.70	100	0.03	366	26	2	22	29
798	205.70	100	0.03	343	6	2	21	30
799	206.70	100	0.05	886	21	3	39	49
800	207.70	100	0.07	700	46	2	18	37
801	208.70	100	0.15	990	15	3	28	46
802	209.70	90	0.40	3,415	18	3	23	65
803	210.60	110	0.15	1,300	36	2	23	53
804	211.70	100	0.20	1,250	10	2	22	57
805	212.70	80	0.12	1,400	19	3	22	46
806	213.50	100	0.22	830	26	3	29	93
807	214.50	100	0.08	610	9	4	28	100
808	215.50	100	0.65	510	16	3	166	170
809	216.50	100	0.15	126	18	3	48	93
810	217.50	100	0.05	360	13	2	18	106
811	218.50	100	0.02	920	9	2	29	97
812	219.50	90	0.10	960	8	2	18	206
813	220.40	110	0.08	680	48	2	23	126
814	221.50	100	0.08	800	73	2	21	83
815	222.50	100	0.61	1,420	29	2	24	87

No. MJM – 15 (180 m to 240 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 15 (240 m to 300.60 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Peridotite (srp)	240.70	(vvp) Py streaks in place
			Solid cores through out	
			mag (magnetism) through out	
			Cal vlt	
			248.20	
250			cal, qz, tlc, chl streaks and strg in place	
			do	
			do	
260				
			do	
			do	(v p) Py dot
			269.30	
270			hematite-qz 3 cm cal, qz, tlc, chlo fine netwk	
			do	
			do	278.50 Cp fine spot
280			280.80 drusy qz with (p) Py strg	
			do	Py strg in place
			289.50	
290			cly flt with shr zone	
			do	
			do	
			do	
300			300.60	

End of the Hole

Assay Results								
Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)

No. MJM – 15 (240 m to 300.60 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 16 (0 m to 60 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
6.00			(no core)										
		Overburden	greenish-gray ~ pale green cly										
9.00 10		Pinosuk Gravels (loose)	soft clayey mtx ; with rare cbls of Hf										
13.00		Pinosuk Gravels (solid)	frag of Ad, Hf and ultrabasic rocks few bld of Ad (0.40m), Hf (0.35m) and Ap (0.20m)	Py diss/strgs									
20													
27.50			Ad bld (0.30 ~ 0.80m) and chloritized dioritic rock (0.25 ~ 0.30m)	Py specks replaced mafic minerals									
30			fine grained frag of Ad, Ap, Hf and ultrabasic rocks mtx										
39.50 40			fine frag of Ad, Ap and Hf coarse grained sdy solid mtx	(m) oxd									
50													
54.30			coarse grained sdy solid mtx Ad, dioritic bld (0.15 ~ 0.50m)	strongly chlo.									
60													

No. MJM – 16 (0 m to 60 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 16 (60 m to 120 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
60.40		Pinosuk Gravels (solid)											
			Ad, Ss and Mt frag bld of ultrabasic rock (0.50m) and Ad (0.25cm)										
68.00													
70			bld of ultrabasic rock (0.20 ~ 0.70m) and chlo dio-porphyry, Ad	Py diss/strgs									
			Sdy, Solid mtx frag of ultrabasic rock, Ad and dioritic rock										
79.20													
80			bld of Pt (0.20 ~ 0.70m) and few Ad (0.10 ~ 0.25m)										
90													
90.20			bld of Ad (0.60 ~ 1.00m), dioritic rock (0.20 ~ 0.25m) weakly oxd coarse grained sdy mtx	some of Ad blds include py specks in chloritized									
95.80													
100			bld of Ad, dioritic rocks and a large bld of Pt mtx of grey~brownish grey, weakly oxd coarse grained sdy altered zone	weak Py diss (replaced mafics)									
103.70													
104.50			altered zone										
110			highly fract/crushed solid mtx large bld (1.00 ~ 1.20m) of Ad, Hf and Pt	Py diss/strgs									
114.30													
120			highly indurated solid mtx of Ad and Ap frag (0.5 ~ 10cm)	Py diss									

No. MJM – 16 (60 m to 120 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 16 (120 m to 180 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Pinosuk Gravels (solid)		
128.60				
130			mostly chlo Ad bld (0.20 ~ 1.00 m) Ap frag	
133.20				
			slightly oxd, solid frag. of Hf, Pt	
140				
			strongly crushed/shattered zone with cly in place	
148.80				
150			altered zone	
150.30			sheared zone	
151.20			strongly shr zone, cly oxd	
152.20		Hornfels (Hf)	weak silic	(v) weak Py diss, native Cu specks
154.90			altered zone	
155.70				
			weakly silic, oxd minor shr zone	(v) weak Py diss native Cu specks
160				
162.20			strongly shr zone with cly	
163.20				
			strongly fract/shr zone with many shr, slightly silic, oxd zone	Py diss/strgs, moly specks
170				weak Py diss, strgs native Cu in places
			shr zone with cly	
173.70				
			fract/shr zone	
180				

Assay Results

Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
816	152.20	70	0.03	205	8	3	20	52
817	152.90	110	0.03	223	9	2	34	37
818	154.00	90	0.05	418	12	2	53	45
819	154.90	80	0.05	245	36	2	132	26
820	155.70	110	0.12	302	6	2	39	45
821	156.80	100	0.03	293	3	2	24	51
822	157.80	70	0.05	179	8	2	24	60
823	158.50	80	0.06	128	6	2	20	59
824	159.30	100	0.03	156	6	2	20	47
825	160.30	190	0.07	880	16	2	22	44
826	162.20	100	0.03	221	7	2	21	35
827	163.20	90	0.15	940	6	2	23	40
828	164.10	70	0.05	1,020	8	2	21	43
829	164.80	100	0.05	660	6	3	50	50
830	165.80	110	0.05	209	12	2	23	36
831	166.90	100	0.03	179	5	2	30	31
832	167.90	80	0.03	292	6	2	63	49
833	168.70	110	0.06	262	5	2	56	47
834	169.80	140	0.03	88	1	2	22	31
835	171.20	120	0.05	193	7	1	26	29
836	172.40	70	0.08	208	11	2	18	47
837	173.10	60	0.08	322	14	1	23	30
838	173.70	90	0.05	125	5	2	26	39
839	174.60	90	0.03	48	2	2	21	45
840	175.50	80	0.03	180	5	2	38	58
841	176.30	80	0.12	900	1	2	73	95
842	177.10	120	0.05	240	11	2	55	58
843	178.30	90	0.05	530	4	2	180	109
844	179.20	110	0.08	690	8	2	264	114

No. MJM – 16 (120 m to 180 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 16 (180 m to 240 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results							
					Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
180.30		Hornfels (Hf)	altered zone		845	180.30	60	0.08	308	10	2	503	97
180.70					846	180.90	80	0.08	367	3	2	272	155
			fract/shr		847	181.70	140	0.03	347	4	2	120	149
183.10													
			strongly fract/shattred, silic and weakly oxd in place		848	183.90	130	0.08	253	2	2	182	131
					849	185.20	140	0.05	161	2	2	32	53
					850	186.60	200	0.05	142	5	2	32	42
190													
			cly shr zone										
193.20					851	193.20	90	0.05	102	7	2	24	31
			weakly silic		852	194.10	100	0.08	111	6	2	22	23
195.10					853	195.10	60	0.03	100	5	1	28	26
			weakly oxd, arg zone										
					854	197.00	80	0.06	182	5	1	25	35
199.60													
200													
				Py, Cp, native Cu	855	201.20	100	0.05	108	4	2	24	41
			weakly fract, grey sdy		856	202.20	90	0.03	53	5	2	23	34
203.10				(v) weat Py diss in places	857	203.10	120	0.06	340	6	3	30	47
					858	204.30	90	0.06	393	6	3	30	38
			fract, shr oxd, cly		859	205.20	150	0.09	215	6	3	24	36
206.70													
			shr zone, oxd										
208.30													
209.90		Turbidite	brown, loose (Mt), frag of Hf highly oxd										
210													
		Hornfels (Hf)	highly fract, weakly silic, qz vlts in place	Py diss with Cp, native Cu, in few places	860	209.90	120	0.05	237	4	3	29	68
					861	211.10	110	0.05	170	2	2	318	207
					862	212.20	110	0.03	345	5	2	64	59
213.30													
		Turbidite	loose (muddy), frag of Hf and silic rocks partially cly, oxd										
219.30													
220		Hornfels (Hf)	dark grey, highly fract.		863	219.30	160	0.03	298	5	2	140	149
220.90													
		Turbidite											
222.50													
		Hornfels (Hf)	dark grey fract/slightly silic	weakly Py diss/ strgs, Cp specks	864	222.50	60	0.10	150	5	2	90	67
					865	226.60	100	ND	149	5	2	49	46
					866	227.60	100	ND	93	6	2	36	35
					867	228.60	120	0.08	63	4	2	24	45
230					868	229.80	140	ND	70	4	2	25	45
			bre zone		869	231.20	100	ND	245	3	2	45	84
					870	232.20	100	ND	134	3	2	38	47
			bre zone with cly		871	233.20	100	ND	160	4	2	36	50
				(v) weak Py diss/few strgs	872	234.20	100	ND	98	3	2	28	33
					873	235.20	100	ND	52	3	2	29	50
					874	236.20	120	0.08	600	4	2	40	36
					875	237.40	100	ND	241	12	2	30	32
240													

No. MJM – 16 (180 m to 240 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 16 (240 m to 304 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results								
					Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
		Hornfels (Hf)	dark grey, fine-grained, fract, silic, in place										
				weak Py diss moly, Cp specks	876	244.00	60	0.58	3,000	24	3	162	287
					877	245.70	100	0.03	291	5	1	25	44
					878	246.70	110	ND	100	4	2	26	34
248.90													
250			fault zone with cly, breccias										
250.10		Peridotite (Pt) (serpentinized)	highly serpentinized with talc vlts	Py, Cp patch									
255.60			fract, shr zone dominant in magnetite, hematite strongly shr zone with cly										
260													
262.90			shr zone with cly										
			talc, srp vlts in place dominant mag, hematite strg,										
270													
271.70			mostly compact Srp										
274.50			slightly fract/shr zone dominant mag, hematite strg										
280			weakly shr/fract. zone										
280.20				weak pyritization (Py specks in places)									
			weakly shear zone with clay in place										
290				Py, moly specks in few places	879	291.10	40	0.14	198	14	2	28	87
			sheared/fractured zone										
300													
304.00			End of the Hole										

No. MJM – 16 (240 m to 304 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 17 (0 m to 60 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
10			(no core)										
19.20 20		Pinosuk Gravels (loose)	slightly oxd bld of Ad, srp Pt, cly mtx										
24.20			cly mtx dominant bld of Ap, Hf and silic rocks chlo.										
30													
33.70			light brown ~ light pinkish-grey Ap blds (0.30 ~ 0.80 m) weak oxd, chlo solid mtx	py specks/strgs									
40													
42.50			frag of Ad, Ap slightly oxd										
43.45		Pinosuk Gravels (solid)	(a) Ap blds (0.20 ~ 0.60m, max. 1.00m) solid mtx frag of Ap, Ad and ultra rock (srp. Pt)										
50													
50.30			bld of srp Pt (0.20 ~ 0.50 m) and Ad (0.25 ~ 0.75 m)										
60													

No. MJM – 17 (0 m to 60 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 17 (60 m to 120 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
62.30		Pinosuk Gravels (solid)		
70			bld of mostly Ad with minor amounts of Hf, dioritic rock and ultra basic rocks, fine ~ coarse grained frag of Ad, Ap, Hf and dioritic rocks	
73.00				
80			minor amount of small blds of mainly Ad and few Hf (0.10 ~ 0.40 m)	
89.30				
90			(a) Ad bld (0.25 ~ 0.60 m) in solid mtx of dioritic rocks	
92.00			blds of mainly Ad (0.45 m or less)	
98.40				
100			(a) Ad bld (0.30 ~ 0.80 m) solid mtx	
102.90			brown ~ brownish-grey, solid (partially cly), consisting of coarse frag of Ap, Pt and dioritic rocks	py, Cp diss
110			blds of Ad, Ap, dioritic rocks and Hf	
119.00				
120				

Assay Results

Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)

No. MJM – 17 (60 m to 120 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 17 (120 m to 180 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
121.90		Pinosuk Gravais (solid)	Ad blds (max. 1.60 m) chlo.	Py diss/strgs									
			solid sdy mtx										
125.50			bld of Ad and Hf, m										
			slightly oxd										
130			frag of Hf and few silic rock,										
			partially arg.										
			bld of silic Hf. chlo.										
140													
140.60			highly crushed/bre and	native Cu cpecks									
			arg solid mtx										
149.10			light brown grey, strongly	barren qz vein									
150			crushed, arg. mtx										
			weakly oxd. in part										
			lightly crushed										
160													
			crushed/arg.										
169.80													
170			fault zone (no core recovery)										
170.80		Hornfels (Hf)	dark grey, sdy, fract/arg	(v) weak mineralization, native Cu, Py specks	880	170.80	220	0.03	296	1	7	115	79
					881	173.00	80	0.05	302	1	5	36	88
					882	173.80	110	0.03	143	1	5	25	66
			shr zone		883	174.90	100	0.08	175	3	4	23	72
					884	175.90	120	0.05	123	6	3	24	41
					885	177.10	100	ND	113	4	3	15	47
178.10			fault zone, strongly shr/bre		886	178.10	120	ND	346	3	3	58	77
179.30					887	179.30	100	ND	137	2	2	23	37
180													

No. MJM – 17 (120 m to 180 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 17 (180 m to 240 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Hornfels (Hf)	mostly fract/crushed with qz strgs	Py, Cup, native Cu
185.10				
186.10			fault zone	
190			dark grey fract/crushed	Cup, native Cu speaks
			fault zone with bre, cly	
			fault zone	native Cu specks
200			coarse grained sdy Hf with weak silic	native Cu, Py specks
206.30			Sdy, strongly arg.	do
208.00				do
210			dark grey mostly fine-grained (mdy)	few native Cu specks
			frac and silicified zone	native Cu specks Py diss.
220				
230				
			strongly fract, shr zone	weak Py diss/ strgs Cp specks
240				

Assay Results

Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
888	180.30	80	0.03	228	1	3	62	106
889	181.10	120	ND	143	1	2	22	41
890	182.30	100	0.03	445	1	2	18	56
891	183.30	100	0.03	363	1	3	21	46
892	184.30	80	ND	187	2	2	12	48
893	185.10	100	ND	185	3	2	18	42
894	186.10	120	0.05	231	2	2	16	43
895	187.30	90	0.05	115	1	2	12	45
896	188.20	90	0.08	283	1	2	9	23
897	189.10	100	0.05	90	1	2	15	55
898	190.10	120	0.05	142	3	1	17	50
899	191.30	90	0.03	123	1	1	10	56
900	192.20	100	ND	179	4	1	30	59
901	193.20	100	0.05	128	15	2	75	89
902	194.20	130	0.03	96	3	1	26	60
903	195.50	120	0.05	200	3	1	21	50
904	196.70	110	0.09	164	3	1	22	48
905	197.80	120	0.05	173	2	1	21	51
906	199.00	100	0.03	175	1	1	27	56
907	200.00	110	0.03	124	3	1	19	42
908	201.10	120	ND	116	2	1	16	47
909	202.30	90	0.05	116	3	2	19	44
910	203.20	120	0.06	103	1	2	20	53
911	204.40	100	0.05	166	2	2	22	53
912	205.40	70	0.03	104	1	2	15	52
913	206.10	20	0.06	197	3	2	23	95
914	206.30	100	0.05	79	1	1	16	36
915	207.30	100	ND	80	1	1	14	34
916	208.30	120	ND	138	1	1	15	48
917	209.50	130	ND	275	1	1	22	59
918	210.80	100	ND	214	2	1	25	46
919	211.80	130	0.03	65	2	2	22	43
920	213.10	100	ND	130	1	2	18	49
921	214.10	100	0.03	235	3	2	32	46
922	215.10	140	0.05	60	2	2	22	63
923	216.50	100	0.08	74	1	2	24	42
924	217.50	100	0.03	70	3	4	30	53
925	218.50	100	0.06	93	4	3	23	65
926	219.50	90	0.05	505	2	4	25	39
927	220.40	120	0.03	112	2	2	23	51
928	221.60	120	0.07	115	2	1	23	45
929	222.80	130	0.05	110	15	1	26	54
930	224.10	170	0.05	101	2	1	24	90
931	225.80	100	0.05	85	3	1	23	68
932	226.80	90	0.08	82	9	1	19	46
933	227.70	100	0.12	456	3	2	25	65
934	228.70	160	0.03	96	3	2	22	83
935	230.30	130	0.12	1,490	2	2	17	98
936	231.60	90	0.10	79	2	1	22	66
937	232.50	110	0.08	133	2	1	24	74
938	233.60	70	0.05	88	2	1	17	75
939	234.30	300	0.07	216	3	1	15	70
940	237.30	140	0.10	720	12	1	25	75
941	238.70	120	0.03	160	2	1	12	75

No. MJM – 17 (180 m to 240 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 17 (240 m to 301 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Hornfels (Hf)	dark grey, fine grained, fract, crushed	(v) weak Py
246.20				
250			fract, crushed	
253.40			fault zone (a) cly	(m) pyritization
256.30				
260			strongly shr cly in many place	
265.10			fault zone	(v,v) weak Py
269.30		Peridotite (Pt)	dark greenish grey ~ blackish green, highly Srp arg in part	
270				
280				(v) weak Py
286.70			shr zone (flt)	
288.50			partially arg	
290				
295.50			fault zone (highly shr/shattered)	
299.30				
300			strongly Srp	
301.00			End of the Hole	

Assay Results								
Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
942	239.90	120	0.07	380	2	1	14	61
943	241.10	110	0.10	1,150	2	2	58	70
944	242.20	130	0.05	88	2	2	32	71
945	243.50	70	0.05	373	4	2	35	65
946	244.20	140	0.05	158	3	2	33	55
947	245.60	170	ND	201	3	2	30	85
948	247.30	150	0.03	173	3	2	40	65
949	248.80	100	0.03	880	3	2	32	65
950	249.80	130	0.03	260	3	2	27	70
951	251.10	230	0.03	95	4	2	52	82
952	253.40	150	ND	330	4	3	32	73
953	254.90	80	0.03	498	3	1	28	36
954	255.70	130	ND	186	3	2	28	25
955	257.00	130	ND	236	4	2	35	52
956	258.30	210	ND	438	4	3	30	68
957	260.40	100	ND	900	2	3	43	60
958	261.40	70	0.03	209	5	3	28	58
959	262.10	300	ND	144	1	2	30	62
960	265.10	140	0.03	222	1	3	28	65
961	266.50	100	0.03	146	1	2	30	70
962	267.50	100	ND	164	1	2	40	80
963	268.50	80	0.03	223	4	2	38	69

No. MJM – 17 (240 m to 301 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 18 (0 m to 60 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results: Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
10			(no core)										
15.00		Pinosuk Gravels (loose)	mostly Ap blds (0.25 ~ 60 cm)										
20													
24.10			cly mtx dominant frag of Ap, silic Hf, and few Srp.										
30													
31.10		Pinosuk Gravels (solid)	solid mtx dominant zone gravels (0.05 ~ 0.25m) of mostly Ad, minor Ap, Hf and dioritic rocks.										
40													
50													
53.20			blds of Ap and silic Hf with wthd rocks (0.50 ~ 1.10 m) mtx of solid ~ sdy frag of Ad, Ap and Hf	Py specks/strgs									
50.80 60													

No. MJM – 18 (0 m to 60 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 18 (60 m to 120 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.
		Pinosuk Gravels (solid)	solid, cly in part mtx blds of Ad, Hf and ultra basic rock (Pt) max 0.45 m slightly oxd	
70				
71.65			mixture blds of Ad, Ap, Hf and ultra basic rocks slightly oxd, solid mtx	
80				Py Cp specks
82.65			mostly solid mtx frag of Ad, Ap and ultra basic rocks	
89.40				
90			dominantly Ad, Ap (0.25 ~ 0.60m) blds solid, sdy materials mtx	several native Cu specks
95.30		Adamellite Porphyry (Ap)	light brownish-grey, chlo weak wthd	
100				native Cu specks
104.60			shr zone with cly	Py-qz strgs
105.30			weakly oxd partially epi	
108.30			fresh	
109.70				Py, Cp diss/strgs native Cu, moly specks
110			crushed/shr, arg, chlo, limo.	(v) weak mineralization
120				

Assay Results								
Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
964	108.20	150	ND	732	10	4	28	134
965	109.70	110	ND	558	33	4	80	51
966	110.80	100	ND	333	17	6	81	55
967	111.80	100	ND	678	13	2	134	64
968	112.80	100	ND	786	13	2	47	52
969	113.80	90	ND	735	14	3	32	79
970	114.70	120	0.05	626	21	4	37	53
971	115.90	120	0.03	357	103	2	54	31
972	117.10	130	ND	637	14	2	56	73
973	118.40	100	ND	1,690	40	2	124	89
974	119.40	100	ND	1,090	20	1	44	89

No. MJM – 18 (60 m to 120 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 18 (120 m to 180 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
		Adamellite Porphyry (Ap)	strongly crushed/or shr, arg. chlo	(v) weak Py, Cpy mineralization native Cu, moly specks	975	120.40	100	0.03	2,130	10	2	37	85
					976	121.40	100	ND	1,620	7	2	64	61
					977	122.40	60	ND	1,400	4	3	50	135
					978	123.00	120	ND	986	50	3	130	236
124.20													
124.70		Hornfels (Hf)	shr zone with cly	(m) Py, Cp diss/strgs	979	124.70	100	ND	492	68	2	36	41
			(a) qz strgs, silic		980	125.70	100	ND	1,640	155	2	35	60
					981	126.70	100	ND	1,040	215	3	29	57
127.80				weak Py-Cp-moly diss/strgs	982	127.70	80	ND	710	71	2	22	70
					983	128.50	100	0.03	990	135	2	29	68
130					984	129.50	100	0.03	347	50	1	24	73
			qz-strgs netwk zone		985	130.50	100	0.05	504	55	1	18	67
					986	131.50	100	0.05	615	50	2	17	77
					987	132.50	100	0.05	435	63	2	18	86
				Cp, moly, Py	988	133.50	100	0.03	330	110	2	20	84
					989	134.50	100	0.03	325	36	1	18	78
				moly	990	135.50	100	0.08	680	66	3	23	64
					991	136.50	100	0.07	1,380	54	4	26	39
					992	137.50	100	ND	850	31	1	23	24
					993	138.50	100	ND	266	42	2	25	60
140			shr zone with cly (fault)	Cp, Py strgs	994	139.50	100	0.05	1,870	308	1	31	109
140.80					995	140.50	100	0.03	670	73	1	22	78
					996	141.50	100	ND	292	75	2	23	56
				moly-Cp-Py strgs	997	142.50	100	0.03	338	158	2	25	54
					998	144.00	60	ND	230	60	1	22	54
144.60			sheared zone		999	144.60	130	0.03	364	87	4	30	84
145.90					1000	145.90	100	0.03	182	58	2	21	53
					1001	147.20	90	ND	493	10	1	20	46
					1002	148.10	70	0.07	600	25	3	32	39
			compact, crushed in part		1003	148.80	50	ND	395	83	1	28	94
150					1004	149.30	140	0.03	493	91	2	22	53
151.30			strongly silic	(m) Py-Cp diss/strgs rare moly	1005	150.70	100	ND	310	44	3	28	55
					1006	151.70	100	ND	249	55	3	27	36
153.40				(v) weak Py diss/strgs specks moly, Cp specks	1007	152.70	80	ND	341	37	1	55	52
			shr crushed arg in places (poor core recovery)		1008	153.50	360	ND	475	63	3	53	134
157.10					1009	157.10	100	ND	312	66	2	35	69
					1010	158.10	100	ND	248	55	2	72	84
160					1011	159.10	100	ND	203	49	3	32	74
			shr, crushed and cly zone in place	moly specks	1012	160.10	70	ND	562	67	2	78	82
					1013	160.80	100	ND	360	46	3	31	50
				moly, Py specks	1014	161.80	120	0.03	165	26	2	23	41
					1015	163.00	100	0.04	296	46	1	23	49
					1016	164.00	100	0.04	450	86	2	32	53
					1017	165.00	110	ND	470	41	1	27	55
					1018	166.10	130	0.04	252	49	1	22	54
					1019	167.40	20	0.04	318	46	1	52	154
					1020	167.60	100	0.04	402	47	4	24	62
169.00					1021	168.60	100	0.10	470	28	4	30	52
170			strongly silic, partial arg, qz strgs in place	Py strgs, Py, moly, Cp specks	1022	169.60	80	0.03	248	43	2	25	52
					1023	170.40	60	ND	199	19	3	29	70
					1024	171.00	170	0.05	440	63	3	72	100
173.00					1025	172.70	130	0.05	375	62	3	36	53
174.30		Serpentinite	strongly argillized, silic, talco-sation	Py-moly, Cp strgs									
					1026	176.00	80	ND	98	670	2	26	49
			qz strgs		1027	176.80	90	0.05	705	405	4	59	80
180													

No. MJM – 18 (120 m to 180 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 18 (180 m to 240 m)

Scale (m)	Rock Name	Characteristics	Mineralization etc.	Assay Results								
				Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
181.60	Serpentinite	weakly silic with sparse qz strgs										
		strong limo, partial arg. silic chlo qz vlts										
184.75		arg. weak silic										
188.00												
189.60		strongly shr zone with cly										
190	Hornfels (Hf)	grey ~ dark grey, sdy with qz vlts, (m) silic	(m) Py, moly, (Cp) diss zone	1028	189.60	100	ND	176	16	1	400	264
				1029	190.60	100	ND	157	9	2	122	88
				1030	191.60	70	0.03	198	8	1	43	47
193.10				1031	192.30	80	ND	369	65	1	298	181
				1032	193.10	60	ND	138	5	1	450	132
				1033	193.70	20	ND	240	25	1	258	220
		weak silic		1034	193.90	90	ND	175	10	2	250	212
		fine grained,		1035	194.80	130	ND	206	4	1	380	164
				1036	196.10	100	ND	163	15	1	51	56
				1037	197.10	100	ND	452	10	1	320	154
199.00				1038	198.10	100	ND	405	13	3	210	210
200		silic, fine grained (mdy)	weak Py, moly cp specks rare strgs /vlts	1039	199.10	100	ND	254	6	1	102	215
				1040	200.10	100	ND	384	5	1	550	175
				1041	201.10	100	ND	685	51	2	96	76
				1042	202.10	100	ND	262	8	3	42	60
				1043	203.10	110	ND	252	11	2	233	171
				1044	204.20	110	ND	176	7	2	110	123
205.30		shr zone (fault)		1045	205.30	70	ND	355	16	2	176	150
206.00				1046	206.00	80	ND	126	1	1	62	103
				1047	206.80	120	ND	161	8	2	465	563
				1048	208.00	120	ND	253	20	2	95	126
210		weak silic	moly, Cp	1049	209.20	100	ND	207	12	2	40	98
			moly, Cp, Py	1050	210.20	130	ND	138	5	1	29	69
211.50		shr zone with cly (fault)		1051	211.50	90	ND	530	55	2	360	433
212.40			moly	1052	212.40	120	0.03	129	7	2	39	168
		weak silici and chlo	moly, Cp	1053	213.60	100	ND	112	10	1	43	128
				1054	214.60	90	ND	298	10	2	480	185
220		thin shr zone	(v) weak Py Cp strgs/specks									
			sparse Py strgs in place									
230		strongly chlo, fine grained										
231.60												
		fine grained										
		weak chlo.										
240			Cp, Py, moly diss/strgs	1055	239.70	60	1.00	4,600	6	2	33	69

A-49

No. MJM – 18 (180 m to 240 m)

DRILLING CORE RECORD (1/200)

Drilling No. MJM – 18 (240 m to 300.50 m)

Scale (m)	Geol. Log	Rock Name	Characteristics	Mineralization etc.	Assay Results								
					Sample No.	Depth (m)	Width (cm)	Au(ppm)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Pb(ppm)	Zn(ppm)
		Hornfels (Hf)	dark grey, fine grained, weak silic, and chlo partially qz strgs, netwk	Py, moly									
				Cp, Py, moly	1056	242.30	100	0.03	1,010	8	1	27	53
			shr and partially bre		1057	243.30	100	ND	507	3	1	46	43
					1058	244.30	100	ND	176	3	1	38	45
					1059	245.30	120	ND	154	7	1	35	38
					1060	246.50	110	ND	638	2	2	27	29
					1061	247.60	40	0.05	235	20	1	2,900	96
250				Cp, Py	1062	248.00	110	0.05	558	10	1	26	40
				Py									
				Py									
253.70			shr, crushed										
255.70		Turbidite (Td)	mdy-sdy, (a) silic pebbles strongly arg.										
		Hornfels (Hf)	silic, chlo	weak Cp, Py, (moly) diss/strgs	1063	255.70	110	ND	158	6	2	25	38
					1064	256.80	110	0.03	280	22	1	28	41
260													
				weak Cp, moly, Py diss/strgs	1065	260.50	140	0.05	76	3	1	32	61
					1066	261.90	130	0.03	261	4	1	29	46
263.80													
264.70		Turbidite (Td)	silic St, Mt, arg										
		Hornfels (Hf)	sparsely silic										
			shr in place	(v) weak Cp, Py diss	1067	266.70	100	0.08	343	3	2	35	36
					1068	267.70	100	ND	980	2	1	78	83
					1069	268.70	80	ND	369	7	2	22	25
270					1070	269.50	50	0.03	123	4	1	41	41
		Turbidite (Td)	mostly mdy, silic pebble in place										
272.20													
273.30		Hornfels (Hf)	dark grey, fine-grained	Py speck	1071	272.20	110	0.05	138	3	2	23	48
		Turbidite (Td)	frag of Ss, Mt and silic rock strongly argillized, (m) silic										
				(v) weak Py, moly diss/specks	1072	275.20	70	0.03	990	2	1	1,800	843
276.20					1073	275.90	50	ND	266	75	1	550	401
276.40													
279.80													
280													
280.40		Hornfels (Hf)	strongly shr zone (fault)										
			weakly chlo	Py strg									
290			crushed	Py strg									
			silic, chlo										
				Py									
300													
300.50													

End of the Hole

No. MJM – 18 (240 m to 300.50m)

A-2 Assay Result of Drill Core

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
604	MJH-14	77.10- 79.00	190	0.05	580	2	2	23	70	
605	MJH-14	79.00- 80.60	160	0.03	1,300	4	2	241	123	
606	MJH-14	80.60- 83.10	250	0.05	361	2	1	32	35	
607	MJH-14	83.10- 84.60	150	0.08	166	2	1	22	37	
608	MJH-14	84.60- 85.70	110	0.08	86	1	1	16	49	
609	MJH-14	87.30- 88.30	100	0.11	560	1	1	18	26	
610	MJH-14	88.30- 89.30	100	0.09	1,500	3	1	20	49	
611	MJH-14	89.30- 90.30	100	0.08	4,400	7	1	26	93	
612	MJH-14	90.30- 91.60	130	0.05	880	4	1	22	36	
613	MJH-14	91.60- 93.50	190	0.05	994	4	1	31	55	
614	MJH-14	93.50- 94.70	120	0.05	732	4	1	11	36	
615	MJH-14	94.70- 96.00	130	0.20	9,300	10	3	14	113	
616	MJH-14	96.00- 97.00	100	0.11	2,000	7	3	9	44	
617	MJH-14	97.00- 98.10	110	0.11	1,280	4	3	19	42	
618	MJH-14	98.10- 99.30	120	0.09	850	65	2	18	39	
619	MJH-14	99.30-100.00	70	0.05	466	55	1	64	73	
620	MJH-14	100.00-102.10	210	0.05	1,000	38	1	19	51	
621	MJH-14	102.10-106.10	400	0.05	1,400	37	2	145	173	
622	MJH-14	106.10-109.60	350	0.08	670	40	1	18	38	
623	MJH-14	109.60-110.70	110	0.08	695	43	1	15	38	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
624	MJH-14	110.70-111.70	100	0.03	1,200	16	2	35	46	
625	MJH-14	111.70-113.90	220	0.05	383	53	1	10	47	
626	MJH-14	113.90-115.00	110	0.05	552	70	1	9	35	
627	MJH-14	115.00-117.40	240	0.05	360	15	1	20	50	
628	MJH-14	117.40-118.30	90	0.08	490	7	1	29	30	
629	MJH-14	118.30-119.20	90	0.06	200	4	1	45	37	
630	MJH-14	119.20-120.30	110	0.08	446	22	1	26	23	
631	MJH-14	120.30-121.30	100	0.05	123	53	1	10	33	
632	MJH-14	121.30-122.50	120	0.09	156	77	1	13	34	
633	MJH-14	122.50-123.30	80	0.09	487	111	1	27	50	
634	MJH-14	123.30-124.20	90	0.03	252	18	1	21	17	
635	MJH-14	124.20-124.50	30	0.15	800	16	1	89	24	
636	MJH-14	124.50-127.30	280	0.11	578	39	1	93	165	
637	MJH-14	127.30-128.40	110	0.03	900	55	1	43	95	
638	MJH-14	128.40-129.40	100	0.03	1,050	47	2	470	148	
639	MJH-14	129.40-130.40	100	0.03	750	35	1	43	59	
640	MJH-14	130.40-131.40	100	0.08	805	11	1	71	80	
641	MJH-14	131.40-132.40	100	0.17	885	9	1	16	52	
642	MJH-14	132.40-133.40	100	0.09	1,205	17	1	12	58	
643	MJH-14	133.40-134.40	100	0.11	983	24	1	14	69	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
644	MJH-14	134.40-135.40	100	0.11	1,130	14	3	70	136	
645	MJH-14	135.40-136.40	100	0.12	858	17	2	20	82	
646	MJH-14	136.40-137.80	100	0.03	1,020	9	2	12	81	
647	MJH-14	137.80-139.50	170	0.05	500	45	2	10	61	
648	MJH-14	139.50-140.40	90	0.05	865	57	1	28	73	
649	MJH-14	140.40-141.20	80	0.06	550	36	1	88	102	
650	MJH-14	141.20-142.60	140	0.11	600	14	2	15	98	
651	MJH-14	142.60-143.70	110	0.05	600	34	1	105	71	
652	MJH-14	143.70-144.70	100	0.03	425	75	1	20	145	
653	MJH-14	144.70-145.70	100	0.09	482	19	1	10	46	
654	MJH-14	145.70-146.70	100	0.05	1,300	20	1	17	58	
655	MJH-14	146.70-147.70	100	0.05	865	47	1	10	73	
656	MJH-14	147.70-148.70	100	0.05	683	36	1	11	89	
657	MJH-14	148.70-149.70	100	0.15	618	75	1	11	68	
658	MJH-14	149.70-150.70	100	0.05	493	88	1	17	42	
659	MJH-14	150.70-151.70	100	0.03	352	31	1	8	44	
660	MJH-14	151.70-152.70	100	0.05	412	28	1	5	51	
661	MJH-14	152.70-153.70	100	0.03	200	20	1	7	45	
662	MJH-14	153.70-154.70	100	0.06	275	5	1	6	49	
663	MJH-14	154.70-155.70	100	0.08	293	13	1	9	43	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
664	MJH-14	155.70-156.70	100	0.05	360	25	1	44	82	
665	MJH-14	156.70-157.70	100	0.06	260	48	1	10	45	
666	MJH-14	157.70-159.20	150	0.05	560	13	1	10	63	
667	MJH-14	159.20-160.20	100	0.05	295	15	1	10	55	
668	MJH-14	160.20-161.20	100	0.08	265	80	1	100	77	
669	MJH-14	161.20-162.20	100	0.06	300	17	1	14	47	
670	MJH-14	162.20-163.20	100	0.03	290	27	1	14	35	
671	MJH-14	163.20-164.20	100	0.05	305	28	1	11	38	
672	MJH-14	164.20-165.90	170	0.05	237	4	1	12	39	
673	MJH-14	165.90-166.50	60	0.22	175	22	3	21	34	
674	MJH-14	166.50-167.20	70	0.10	208	44	3	45	70	
675	MJH-14	167.20-168.00	80	0.07	123	57	2	31	40	
676	MJH-14	168.00-168.90	90	0.07	270	70	2	18	33	
677	MJH-14	168.90-169.80	90	0.10	520	48	2	20	73	
678	MJH-14	169.80-170.80	100	0.19	533	51	2	12	38	
679	MJH-14	170.80-171.70	90	0.12	188	25	2	16	34	
680	MJH-14	171.70-172.70	100	0.05	169	66	2	11	45	
681	MJH-14	172.70-173.70	100	0.07	426	40	1	29	56	
682	MJH-14	174.10-175.10	100	0.08	252	35	1	26	35	
683	MJH-14	175.10-176.50	140	0.07	187	102	2	24	43	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
684	MJH-14	176.50-177.80	130	0.03	191	66	1	16	29	
685	MJH-14	177.80-178.90	110	0.03	258	43	1	16	26	
686	MJH-14	178.90-180.10	120	0.05	205	26	1	15	29	
687	MJH-14	180.10-181.10	100	0.13	295	31	3	16	29	
688	MJH-14	181.10-182.00	90	0.08	88	29	2	13	39	
689	MJH-14	182.00-183.10	110	ND	378	32	2	12	28	
690	MJH-14	183.10-183.90	80	ND	183	22	2	14	31	
691	MJH-14	183.90-184.90	100	ND	153	18	2	8	33	
692	MJH-14	184.90-186.00	110	0.03	256	36	2	6	39	
693	MJH-14	186.00-186.80	80	0.05	300	40	1	10	51	
694	MJH-14	186.80-187.20	40	0.05	275	122	1	11	40	
695	MJH-14	187.20-188.20	100	0.08	294	68	1	10	53	
696	MJH-14	188.20-189.40	120	0.06	595	14	1	31	39	
697	MJH-14	189.40-190.40	100	0.08	240	10	2	15	26	
698	MJH-14	190.40-191.50	110	0.05	146	33	2	40	50	
699	MJH-14	201.50-202.60	110	0.20	553	76	3	820	616	
700	MJH-14	202.60-203.70	110	0.40	166	7	2	123	92	
701	MJH-14	203.70-204.90	120	0.32	378	34	1	530	252	
702	MJH-14	217.30-218.40	110	0.11	478	10	1	15	58	
703	MJH-14	218.40-219.50	110	0.11	1,080	14	2	25	59	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
704	MJH-14	219.50-220.30	80	0.05	127	11	2	20	80	
705	MJH-14	220.30-221.20	90	0.03	216	26	1	26	45	
706	MJH-14	221.20-222.50	130	0.05	137	40	1	26	36	
707	MJH-14	222.50-224.00	150	0.11	290	6	1	19	37	
708	MJH-14	235.00-236.00	100	0.32	1,360	13	1	13	26	
709	MJH-14	236.00-237.00	100	0.22	1,410	5	1	15	26	
710	MJH-14	241.10-242.20	100	0.38	1,050	4	1	15	39	
711	MJH-14	255.70-256.70	100	0.11	1,040	6	1	15	32	
712	MJH-14	263.00-263.90	90	0.05	217	5	1	15	33	
713	MJH-14	263.90-265.00	110	0.03	109	1	1	14	37	
714	MJH-14	265.00-266.00	100	0.05	180	7	1	11	35	
715	MJH-14	266.00-267.10	110	0.05	122	19	1	16	44	
716	MJH-14	267.10-268.10	100	0.05	130	1	1	18	42	
717	MJH-14	268.10-269.10	100	0.17	440	4	1	13	33	
718	MJH-14	269.10-270.10	100	0.08	110	11	1	16	40	
719	MJH-14	270.19-271.10	100	0.08	77	4	1	10	32	
720	MJH-14	271.10-272.10	100	0.05	107	4	1	13	34	
721	MJH-14	272.10-273.10	100	0.08	136	10	2	17	34	
722	MJH-14	273.10-274.10	100	0.06	132	2	2	15	44	
723	MJH-14	274.10-275.10	100	0.09	85	1	2	10	33	
724	MJH-14	275.10-276.10	100	0.14	167	1	2	13	43	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
725	MJH-15	117.30~118.40	110	ND	273	12	2	22	36	
726	MJH-15	118.40~119.90	150	0.03	440	19	2	25	29	
727	MJH-15	120.10~121.30	120	0.05	370	13	2	14	31	
728	MJH-15	122.30~123.30	100	0.15	399	29	2	155	132	
729	MJH-15	123.30~124.50	120	0.35	492	17	3	585	536	
730	MJH-15	124.50~125.50	100	ND	313	11	2	143	101	
731	MJH-15	125.50~127.10	160	ND	196	30	2	22	30	
732	MJH-15	127.10~128.30	120	ND	263	43	2	21	34	
733	MJH-15	128.30~129.10	80	ND	512	4	2	14	55	
734	MJH-15	129.10~130.30	120	0.05	203	17	2	20	46	
735	MJH-15	141.70~142.70	100	0.18	283	54	4	23	53	
736	MJH-15	142.70~143.60	90	0.18	1,960	32	3	28	53	
737	MJH-15	143.60~144.60	100	0.08	1,990	20	3	40	82	
738	MJH-15	144.60~145.40	80	0.12	2,300	60	2	30	69	
739	MJH-15	145.40~146.40	100	0.08	1,960	47	2	30	56	
740	MJH-15	146.40~147.40	100	0.08	950	26	2	33	43	
741	MJH-15	147.40~148.40	100	0.15	5,000	37	5	440	370	
742	MJH-15	148.40~149.40	100	0.25	1,865	34	2	24	38	
743	MJH-15	149.40~150.40	100	0.12	2,430	20	2	27	57	
744	MJH-15	150.40~151.40	100	0.12	935	15	2	23	39	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
745	MJH-15	151.40~152.40	100	0.10	920	10	2	24	35	
746	MJH-15	152.40~153.40	100	0.23	2,780	35	4	23	54	
747	MJH-15	153.40~154.40	100	0.17	1,500	24	3	21	45	
748	MJH-15	154.40~155.40	100	0.13	1,750	63	3	25	44	
749	MJH-15	155.40~156.40	100	0.07	1,700	35	3	20	43	
750	MJH-15	156.40~157.40	100	0.05	1,480	8	3	22	48	
751	MJH-15	157.40~158.40	100	0.03	2,580	14	3	25	58	
752	MJH-15	158.40~159.80	140	0.04	362	17	2	43	43	
753	MJH-15	159.80~160.80	100	0.13	1,400	34	2	20	40	
754	MJH-15	160.80~161.80	100	0.18	1,500	41	2	22	39	
755	MJH-15	161.80~162.80	100	0.07	910	18	2	27	43	
756	MJH-15	162.80~163.80	100	0.15	2,430	40	3	24	52	
757	MJH-15	163.80~164.80	100	0.08	1,100	115	2	56	68	
758	MJH-15	164.80~165.80	100	0.08	1,700	60	2	145	186	
759	MJH-15	165.80~166.80	100	0.08	1,420	35	3	22	50	
760	MJH-15	166.80~167.80	100	0.03	810	25	2	28	46	
761	MJH-15	167.80~168.80	100	0.05	587	40	2	22	37	
762	MJH-15	168.80~169.80	100	0.08	1,850	76	2	20	47	
763	MJH-15	169.80~170.80	100	0.05	470	34	2	25	43	
764	MJH-15	170.80~171.80	100	0.03	840	15	2	24	48	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
765	MJH-15	171.80-172.80	100	0.08	1,360	240	2	24	46	
766	MJH-15	172.80-173.80	100	0.05	930	70	1	22	37	
767	MJH-15	173.80-174.80	100	0.08	830	57	2	19	32	
768	MJH-15	174.80-175.80	100	0.05	970	29	2	22	39	
769	MJH-15	175.80-176.80	100	0.07	405	33	2	23	34	
770	MJH-15	176.80-177.80	100	0.05	530	14	1	23	36	
771	MJH-15	177.80-178.80	100	0.10	550	24	1	26	35	
772	MJH-15	178.80-179.80	100	0.03	1,270	50	2	25	53	
773	MJH-15	179.80-180.80	100	0.03	1,330	40	2	24	48	
774	MJH-15	180.80-181.80	100	0.05	430	25	1	480	540	
775	MJH-15	181.80-182.80	100	0.08	405	45	3	30	45	
776	MJH-15	182.80-183.80	100	0.07	325	58	3	22	39	
777	MJH-15	183.80-184.80	100	0.05	495	26	2	22	43	
778	MJH-15	184.80-185.80	100	0.08	720	81	3	20	46	
779	MJH-15	185.80-186.80	100	0.08	700	67	2	19	36	
780	MJH-15	186.80-187.80	100	0.07	490	52	2	18	35	
781	MJH-15	187.80-188.80	100	0.05	810	117	2	19	36	
782	MJH-15	188.80-189.80	100	0.08	1,180	109	2	28	39	
783	MJH-15	189.80-190.80	100	0.12	1,320	53	2	27	43	
784	MJH-15	190.80-191.80	100	0.10	1,290	38	2	25	39	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
785	MJH-15	191.80-192.80	100	0.08	1,270	54	2	19	44	
786	MJH-15	192.80-193.80	100	0.12	475	43	2	36	52	
787	MJH-15	193.80-194.80	100	0.07	420	44	2	440	519	
788	MJH-15	194.80-195.80	100	0.05	575	46	2	370	383	
789	MJH-15	195.80-196.80	100	0.05	183	10	2	30	34	
790	MJH-15	196.80-197.80	100	0.12	460	12	2	106	118	
791	MJH-15	197.80-198.80	100	0.07	1,110	170	2	40	70	
792	MJH-15	198.80-199.90	110	0.03	906	39	3	28	47	
793	MJH-15	199.90-201.70	180	0.05	765	68	3	22	32	
794	MJH-15	201.70-202.70	100	0.07	735	36	2	26	33	
795	MJH-15	202.70-203.70	100	0.05	845	34	2	20	25	
796	MJH-15	203.70-204.70	100	0.05	580	43	3	20	27	
797	MJH-15	204.70-205.70	100	0.03	366	26	2	22	29	
798	MJH-15	205.70-206.70	100	0.03	343	6	2	21	30	
799	MJH-15	206.70-207.70	100	0.05	886	21	3	39	49	
800	MJH-15	207.70-208.70	100	0.07	700	46	2	18	37	
801	MJH-15	208.70-209.70	100	0.15	990	15	3	28	46	
802	MJH-15	209.70-210.60	90	0.40	3,415	18	3	23	65	
803	MJH-15	210.60-211.70	110	0.15	1,300	36	2	23	53	
804	MJH-15	211.70-212.70	100	0.20	1,250	10	2	22	57	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
805	MJM-15	212.70-213.50	80	0.12	1,400	19	3	22	46	
806	MJM-15	213.50-214.50	100	0.22	830	26	3	29	93	
807	MJM-15	214.50-215.50	100	0.08	610	9	4	28	100	
808	MJM-15	215.50-216.50	100	0.65	510	16	3	166	170	
809	MJM-15	216.50-217.50	100	0.15	126	18	3	48	93	
810	MJM-15	217.50-218.50	100	0.05	360	13	2	18	106	
811	MJM-15	218.50-219.50	100	0.02	920	9	2	29	97	
812	MJM-15	219.50-220.40	90	0.10	960	8	2	18	206	
813	MJM-15	220.40-221.50	110	0.08	680	48	2	23	126	
814	MJM-15	221.50-222.50	100	0.08	800	73	2	21	83	
815	MJM-15	222.50-223.50	100	0.61	1,420	29	2	24	87	
816	MJM-16	152.20-152.90	70	0.03	205	8	3	20	52	
817	MJM-16	152.90-154.00	110	0.03	223	9	2	34	37	
818	MJM-16	154.00-154.90	90	0.05	418	12	2	53	45	
819	MJM-16	154.90-155.70	80	0.05	245	36	2	132	26	
820	MJM-16	155.70-156.80	110	0.12	302	6	2	39	45	
821	MJM-16	156.80-157.80	100	0.03	293	3	2	24	51	
822	MJM-16	157.80-158.80	70	0.05	179	8	2	24	60	
823	MJM-16	158.50-159.30	80	0.06	128	6	2	20	59	
824	MJM-16	159.30-160.30	100	0.03	156	6	2	20	47	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
825	MJM-16	160.30-162.20	190	0.17	880	16	2	22	44	
826	MJM-16	162.20-163.20	100	0.03	221	7	2	21	35	
827	MJM-16	163.20-164.10	90	0.15	940	6	2	23	40	
828	MJM-16	164.10-164.80	70	0.05	1,020	8	2	21	43	
829	MJM-16	164.80-165.80	100	0.05	660	6	3	50	50	
830	MJM-16	165.80-166.90	110	0.05	209	12	2	23	36	
831	MJM-16	166.90-167.90	100	0.03	179	5	2	30	31	
832	MJM-16	167.90-168.70	80	0.03	292	6	2	63	49	
833	MJM-16	168.70-169.80	110	0.06	262	5	2	56	47	
834	MJM-16	169.80-171.20	140	0.03	88	1	2	22	31	
835	MJM-16	171.20-172.40	120	0.05	193	7	1	26	29	
836	MJM-16	172.40-173.10	70	0.08	208	11	2	18	47	
837	MJM-16	173.10-173.70	60	0.08	322	14	1	23	30	
838	MJM-16	173.70-174.60	90	0.05	125	5	2	26	39	
839	MJM-16	174.60-175.50	90	0.03	48	2	2	21	45	
840	MJM-16	175.50-176.30	80	0.03	180	5	2	38	58	
841	MJM-16	176.30-177.10	80	0.12	900	1	2	73	95	
842	MJM-16	177.10-178.30	120	0.05	240	11	2	55	58	
843	MJM-16	178.30-179.20	90	0.05	530	4	2	180	109	
844	MJM-16	179.20-180.30	110	0.08	690	8	2	264	690	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
845	MJM-16	180.30-180.90	60	0.08	308	10	2	503	308	
846	MJM-16	180.90-181.70	80	0.08	367	3	2	272	367	
847	MJM-16	171.70-183.10	140	0.03	347	4	2	120	347	
848	MJM-16	183.90-185.20	130	0.08	253	2	2	182	131	
849	MJM-16	185.20-186.60	140	0.05	161	2	2	32	53	
850	MJM-16	186.60-188.60	200	0.05	142	5	2	32	42	
851	MJM-16	193.20-194.10	90	0.05	102	7	2	24	31	
852	MJM-16	194.10-195.10	100	0.08	111	6	2	22	23	
853	MJM-16	195.10-195.70	60	0.03	100	5	1	28	26	
854	MJM-16	197.00-197.80	80	0.06	182	5	1	25	35	
855	MJM-16	201.20-202.20	100	0.05	108	4	2	24	41	
856	MJM-16	202.20-203.10	90	0.03	53	5	2	23	34	
857	MJM-16	203.10-204.30	120	0.06	340	6	3	30	47	
858	MJM-16	204.30-205.20	90	0.06	393	6	3	30	38	
859	MJM-16	205.20-206.70	150	0.09	215	6	3	24	36	
860	MJM-16	209.90-211.10	120	0.05	237	4	3	29	68	
861	MJM-16	211.10-212.20	110	0.05	170	2	2	318	207	
862	MJM-16	212.20-213.30	110	0.03	345	5	2	64	59	
863	MJM-16	219.30-220.90	160	0.03	298	5	2	140	149	
864	MJM-16	222.50-223.10	60	0.10	150	5	2	90	67	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
865	MJM-16	226.60-227.60	100	ND	149	5	2	49	46	
866	MJM-16	227.60-228.60	100	ND	93	6	2	36	35	
867	MJM-16	228.60-229.80	120	0.08	63	4	2	24	45	
868	MJM-16	229.80-231.20	140	ND	70	4	2	25	45	
869	MJM-16	231.20-232.20	100	ND	245	3	2	45	84	
870	MJM-16	232.20-233.20	100	ND	134	3	2	38	47	
871	MJM-16	233.20-234.20	100	ND	160	4	2	36	50	
872	MJM-16	234.20-235.20	100	ND	98	3	2	28	33	
873	MJM-16	235.20-236.20	100	ND	52	3	2	29	50	
874	MJM-16	236.20-237.40	120	0.08	600	4	2	40	36	
875	MJM-16	237.40-238.40	100	ND	241	12	2	30	32	
876	MJM-16	244.00-244.60	60	0.58	3,000	24	3	162	287	
877	MJM-16	245.70-246.70	100	0.03	291	5	1	25	44	
878	MJM-16	246-70-247.80	110	ND	100	4	2	26	34	
879	MJM-16	291.10-291.50	40	0.14	198	14	2	28	87	
880	MJM-17	170.80-173.00	220	0.03	296	1	7	115	79	
881	MJM-17	173.00-173.80	80	0.05	302	1	5	36	88	
882	MJM-17	173.80-174.90	110	0.03	143	1	5	25	66	
883	MJM-17	174.90-175.90	100	0.08	175	3	4	23	72	
884	MJM-17	175.90-177.10	120	0.05	123	6	3	24	41	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
885	MJH-17	177.10-178.10	100	ND	113	4	3	15	47	
886	MJH-17	178.10-179.30	120	ND	346	3	3	58	77	
887	MJH-17	179.30-180.30	100	ND	137	2	2	23	37	
888	MJH-17	180.30-181.10	80	0.03	228	1	3	62	106	
889	MJH-17	181.10-182.30	120	ND	143	1	2	22	41	
890	MJH-17	182.30-183.30	100	0.03	445	1	2	18	56	
891	MJH-17	183.30-184.30	100	0.03	363	1	3	21	46	
892	MJH-17	184.30-185.10	80	ND	187	2	2	12	48	
893	MJH-17	185.10-186.10	100	ND	185	3	2	18	42	
894	MJH-17	186.10-187.30	120	0.05	231	2	2	16	43	
895	MJH-17	187.30-188.20	90	0.05	115	1	2	12	45	
896	MJH-17	188.20-189.10	90	0.08	283	1	2	9	23	
897	MJH-17	189.10-190.10	100	0.05	90	1	2	15	55	
898	MJH-17	190.10-191.30	120	0.05	142	3	1	17	50	
899	MJH-17	191.30-192.20	90	0.03	123	1	1	10	56	
900	MJH-17	192.20-193.20	100	ND	179	4	1	30	59	
901	MJH-17	193.20-194.20	100	0.05	128	15	2	75	89	
902	MJH-17	194.20-195.50	130	0.03	96	3	1	26	60	
903	MJH-17	195.50-196.70	120	0.05	200	3	1	21	50	
904	MJH-17	196.70-197.80	110	0.09	164	3	1	22	48	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
905	MJH-17	197.80-199.00	120	0.05	173	2	1	21	51	
906	MJH-17	199.00-200.00	100	0.03	175	1	1	27	56	
907	MJH-17	200.00-201.10	110	0.03	124	3	1	19	42	
908	MJH-17	201.10-202.30	120	ND	116	2	1	16	47	
909	MJH-17	202.30-203.20	90	0.05	116	3	2	19	44	
910	MJH-17	203.20-204.40	120	0.06	103	1	2	20	53	
911	MJH-17	204.40-205.40	100	0.05	166	2	2	22	53	
912	MJH-17	205.40-206.10	70	0.03	104	1	2	15	52	
913	MJH-17	206.10-206.30	20	0.06	197	3	2	23	95	
914	MJH-17	206.30-207.30	100	0.05	79	1	1	16	36	
915	MJH-17	207.30-208.30	100	ND	80	1	1	14	34	
916	MJH-17	208.30-209.50	120	ND	138	1	1	15	48	
917	MJH-17	209.50-210.80	130	ND	275	1	1	22	59	
918	MJH-17	210.80-211.80	100	ND	214	2	1	25	66	
919	MJH-17	211.80-213.10	130	0.03	65	2	2	22	43	
920	MJH-17	213.10-214.10	100	ND	130	1	2	18	49	
921	MJH-17	214.10-215.10	100	0.03	235	3	2	32	46	
922	MJH-17	215.10-216.50	140	0.05	60	2	2	22	63	
923	MJH-17	216.50-217.50	100	0.08	74	1	2	24	42	
924	MJH-17	217.50-218.50	100	0.03	70	3	4	30	53	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
925	MJH-17	218.50-219.50	100	0.06	93	4	3	23	65	
926	MJH-17	219.50-220.40	90	0.05	505	2	4	25	39	
927	MJH-17	220.40-221.60	120	0.03	112	2	2	23	51	
928	MJH-17	221.60-222.80	120	0.07	115	2	1	23	45	
929	MJH-17	222.80-224.10	130	0.05	110	15	1	26	54	
930	MJH-17	224.10-225.80	170	0.05	101	2	1	24	90	
931	MJH-17	225.80-226.80	100	0.05	85	3	1	23	68	
932	MJH-17	226.80-227.70	90	0.08	82	9	1	19	46	
933	MJH-17	227.70-228.70	100	0.12	456	3	2	25	65	
934	MJH-17	228.70-230.30	160	0.03	96	3	2	22	83	
935	MJH-17	230.30-231.60	130	0.12	1,490	2	2	17	98	
936	MJH-17	231.60-232.50	90	0.10	79	2	1	22	66	
937	MJH-17	232.50-233.60	110	0.08	133	2	1	24	74	
938	MJH-17	233.60-234.30	70	0.05	88	2	1	17	75	
939	MJH-17	234.30-237.30	300	0.07	216	3	1	15	70	
940	MJH-17	237.30-238.70	140	0.10	720	12	1	25	75	
941	MJH-17	238.70-239.90	120	0.03	160	2	1	12	75	
942	MJH-17	239.90-241.10	120	0.07	380	2	1	14	61	
943	MJH-17	241.10-242.20	110	0.10	1,150	2	2	58	70	
944	MJH-17	242.20-243.50	130	0.05	88	2	2	32	71	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
945	MJH-17	243.50-244.20	70	0.05	373	4	2	35	65	
946	MJH-17	244.20-245.60	140	0.05	158	3	2	33	55	
947	MJH-17	245.60-247.30	170	ND	201	3	2	30	85	
948	MJH-17	247.30-248.80	150	0.03	173	3	2	40	65	
949	MJH-17	248.80-249.80	100	0.03	880	3	2	32	65	
950	MJH-17	249.80-251.10	130	0.03	260	3	2	27	70	
951	MJH-17	251.10-253.40	230	0.03	95	4	2	52	82	
952	MJH-17	253.40-254.90	150	ND	330	4	3	32	73	
953	MJH-17	254.90-255.70	80	0.03	498	3	1	28	36	
954	MJH-17	255.70-257.00	130	ND	186	3	2	28	25	
955	MJH-17	257.00-258.30	130	ND	236	4	2	35	52	
956	MJH-17	258.30-260.40	210	ND	438	4	3	30	68	
957	MJH-17	260.40-261.40	100	ND	900	2	3	43	60	
958	MJH-17	261.40-262.10	70	0.03	209	5	3	28	58	
959	MJH-17	262.10-265.10	300	ND	144	1	2	30	62	
960	MJH-17	265.10-266.50	140	0.03	222	1	3	28	65	
961	MJH-17	266.50-267.50	100	0.03	146	1	2	30	70	
962	MJH-17	267.50-268.50	100	ND	164	1	2	40	80	
963	MJH-17	268.50-269.30	80	0.03	223	4	2	38	69	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
964	MJH-18	108.20-109.70	150	ND	732	10	4	28	134	
965	MJH-18	109.70-110.80	110	ND	558	33	4	80	51	
966	MJH-18	110.80-111.80	100	ND	333	17	6	81	55	
967	MJH-18	111.80-112.80	100	ND	678	13	2	134	64	
968	MJH-18	112.80-113.80	100	ND	786	13	2	47	52	
969	MJH-18	113.80-114.70	90	ND	735	14	3	32	79	
970	MJH-18	114.70-115.90	120	0.05	626	21	4	37	53	
971	MJH-18	115.90-117.10	120	0.03	357	103	2	54	31	
972	MJH-18	117.10-118.40	130	ND	637	14	2	56	73	
973	MJH-18	118.40-119.40	100	ND	1,690	40	2	124	89	
974	MJH-18	119.40-120.40	100	ND	1,090	20	1	44	89	
975	MJH-18	120.40-121.40	100	0.03	2,130	10	2	37	85	
976	MJH-18	121.40-122.40	100	ND	1,620	7	2	64	61	
977	MJH-18	122.40-123.00	60	ND	1,400	4	3	50	135	
978	MJH-18	123.00-124.20	120	ND	986	50	3	130	236	
979	MJH-18	124.70-125.70	100	ND	492	68	2	36	41	
980	MJH-18	125.70-126.70	100	ND	1,640	155	2	35	60	
981	MJH-18	126.70-127.70	100	ND	1,040	215	3	29	57	
982	MJH-18	127.70-128.50	80	ND	710	71	2	22	70	
983	MJH-18	128.50-129.50	100	0.03	990	135	2	29	68	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
984	MJH-18	129.50-130.50	100	0.03	347	50	1	24	73	
985	MJH-18	130.50-131.50	100	0.05	504	55	1	18	67	
986	MJH-18	131.50-132.50	100	0.05	615	50	2	17	77	
987	MJH-18	132.50-133.50	100	0.05	435	63	2	18	86	
988	MJH-18	133.50-134.50	100	0.03	330	110	2	20	84	
989	MJH-18	134.50-135.50	100	0.03	325	36	1	18	78	
990	MJH-18	135.50-136.50	100	0.08	680	66	3	23	64	
991	MJH-18	136.50-137.50	100	0.07	1,380	54	4	26	39	
992	MJH-18	137.50-138.50	100	ND	850	31	1	23	24	
993	MJH-18	138.50-139.50	100	ND	266	42	2	25	60	
994	MJH-18	139.50-140.50	100	0.05	1,870	308	1	31	109	
995	MJH-18	140.50-141.50	100	0.03	670	73	1	22	78	
996	MJH-18	141.50-142.50	100	ND	292	75	2	23	56	
997	MJH-18	142.50-143.50	100	0.03	338	158	2	25	54	
998	MJH-18	144.00-144.60	60	ND	230	60	1	22	54	
999	MJH-18	144.60-145.90	130	0.03	364	87	4	30	84	
1000	MJH-18	145.90-146.90	100	0.03	182	58	2	21	53	
1001	MJH-18	147.20-148.10	90	ND	493	10	1	20	46	
1002	MJH-18	148.10-148.80	70	0.07	600	25	3	32	39	
1003	MJH-18	148.80-149.30	50	ND	395	83	1	28	94	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
1004	MJH-18	149.30-150.70	140	0.03	493	91	2	22	53	
1005	MJH-18	150.70-151.70	100	ND	310	44	3	28	55	
1006	MJH-18	151.70-152.70	100	ND	249	55	3	27	36	
1007	MJH-18	152.70-153.50	80	ND	341	37	1	55	52	
1008	MJH-18	153.50-157.10	360	ND	475	63	3	53	134	
1009	MJH-18	157.10-158.10	100	ND	312	66	2	35	69	
1010	MJH-18	158.10-159.10	100	ND	248	55	2	72	84	
1011	MJH-18	159.10-160.10	100	ND	203	49	3	32	74	
1012	MJH-18	160.10-160.80	70	ND	562	67	2	78	82	
1013	MJH-18	160.80-161.80	100	ND	360	46	3	31	50	
1014	MJH-18	161.80-163.00	120	0.03	165	26	2	23	41	
1015	MJH-18	163.00-164.00	100	0.04	296	46	1	23	49	
1016	MJH-18	164.00-165.00	100	0.04	450	86	2	32	53	
1017	MJH-18	165.00-166.10	110	ND	470	41	1	27	55	
1018	MJH-18	166.10-167.40	130	0.04	252	49	1	22	54	
1019	MJH-18	167.40-167.60	20	0.04	318	46	1	52	154	
1020	MJH-18	167.60-168.60	100	0.04	402	47	4	24	62	
1021	MJH-18	168.60-169.60	100	0.10	470	28	4	30	52	
1022	MJH-18	169.60-170.40	80	0.03	248	43	2	25	52	
1023	MJH-18	170.40-171.00	60	ND	199	19	3	29	70	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
1024	MJH-18	171.00-172.70	170	0.05	440	63	3	72	100	
1025	MJH-18	172.70-174.00	130	0.05	375	62	3	36	53	
1026	MJH-18	176.00-176.80	80	ND	98	670	2	26	49	
1027	MJH-18	176.80-177.70	90	0.05	705	405	4	59	80	
1028	MJH-18	189.60-190.60	100	ND	176	16	1	400	264	
1029	MJH-18	190.60-191.60	100	ND	157	9	2	122	88	
1030	MJH-18	191.60-192.30	70	0.03	198	8	1	43	47	
1031	MJH-18	192.30-193.10	80	ND	369	65	1	298	181	
1032	MJH-18	193.10-193.70	60	ND	138	5	1	450	132	
1033	MJH-18	193.70-193.90	20	ND	240	25	1	258	220	
1034	MJH-18	193.90-194.80	90	ND	175	10	2	250	212	
1035	MJH-18	194.80-196.10	130	ND	206	4	1	380	164	
1036	MJH-18	196.10-197.10	100	ND	163	15	1	51	56	
1037	MJH-18	197.10-198.10	100	ND	452	10	1	320	154	
1038	MJH-18	198.10-199.10	100	ND	405	13	3	210	210	
1039	MJH-18	199.10-200.10	100	ND	254	6	1	102	215	
1040	MJH-18	200.10-201.10	100	ND	384	5	1	550	175	
1041	MJH-18	201.10-202.10	100	ND	685	51	2	96	76	
1042	MJH-18	202.10-203.10	100	ND	262	8	3	42	60	
1043	MJH-18	203.10-204.20	110	ND	252	11	2	233	171	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
1044	MJH-18	204.20-205.30	110	ND	176	7	2	110	123	
1045	MJH-18	205.30-206.00	70	ND	355	16	2	176	150	
1046	MJH-18	206.00-206.80	80	ND	126	1	1	62	103	
1047	MJH-18	206.80-208.00	120	ND	161	8	2	465	563	
1048	MJH-18	208.00-209.20	120	ND	253	20	2	95	126	
1049	MJH-18	209.20-210.20	100	ND	207	12	2	40	98	
1050	MJH-18	210.20-211.50	130	ND	138	5	1	29	69	
1051	MJH-18	211.50-212.40	90	ND	530	55	2	360	433	
1052	MJH-18	212.40-213.60	120	0.03	129	7	2	39	168	
1053	MJH-18	213.60-214.60	100	ND	112	10	1	43	128	
1054	MJH-18	214.60-215.50	90	ND	298	10	2	480	185	
1055	MJH-18	239.70-240.30	60	1.00	4,600	6	2	33	69	
1056	MJH-18	242.30-243.30	100	0.03	1,010	8	1	27	53	
1057	MJH-18	243.30-244.30	100	ND	507	3	1	46	43	
1058	MJH-18	244.30-245.30	100	ND	176	3	1	38	45	
1059	MJH-18	245.30-246.50	120	ND	154	7	1	35	38	
1060	MJH-18	246.50-247.60	110	ND	638	2	2	27	29	
1061	MJH-18	247.60-248.00	40	0.05	235	20	1	2,900	96	
1062	MJH-18	248.00-249.10	110	0.05	558	10	1	26	40	
1063	MJH-18	255.70-256.80	110	ND	158	6	2	25	38	

Sample No.	Drill hole No.	Depth (m)	Core Width (cm)	Assay Result Au (ppm)	Cu (ppm)	Mo (ppm)	Ag (ppm)	Pb (ppm)	Zn (ppm)	Remarks
1064	MJH-18	256.80-257.90	110	0.03	280	22	1	28	41	
1065	MJH-18	260.50-261.90	140	0.05	76	3	1	32	61	
1066	MJH-18	261.90-263.20	130	0.03	261	4	1	29	46	
1067	MJH-18	266.70-267.70	100	0.08	343	3	2	35	36	
1068	MJH-18	267.70-268.70	100	ND	980	2	1	78	83	
1069	MJH-18	268.70-269.50	80	ND	369	7	2	22	25	
1070	MJH-18	269.50-270.00	50	0.03	123	4	1	41	41	
1071	MJH-18	272.20-273.30	110	0.05	138	3	2	23	48	
1072	MJH-18	275.20-275.90	70	0.03	990	2	1	1,800	843	
1073	MJH-18	275.90-276.40	50	ND	266	75	1	550	401	

A-3 Result of Thin Section Examination

(1) Igneous Rocks

Serial Number	Sample Number	Number of Drilling Hole	Depth (m)	Rock Name	Texture and Structure	Phenocrysts					Groundmass and Main Minerals									Accessary Minerals							Secondary Minerals									
						quartz	plagioclase	alkali feldsper	biotite	hornblende	quartz	plagioclase	alkali feldspar	biotite	hornblende	clinopyroxene	orthopyroxene	olivine	apatite	zircon	sphene	chromite	opaque minerals	actinolite	tremolite	sericite	chlorite	serpentine	talc	epidote	pectolite	analcite	calcite	magnesite	opaque minerals
1	T-1	MJM-14	98.20	adamellite porphyry	porphyritic		C	L	C	C	A	C	C	L					L	L	L		L	L		L	L			L					L
2	T-2	MJM-14	103.05	adamellite porphyry	porphyritic		C	L	C	C	A	C	C	L					L	L			L	L		L	L			L					L
3	T-5	MJM-15	148.90	adamellite porphyry	porphyritic	L	C	L	C	C	A	C	C	L					L	L	L		L	L		L	L								L
4	T-6	MJM-15	277.40	peridotite	granular											C	C	A							A		L	L	L				L		C
5	T-8	MJM-16	290.20	serpentinite	mesh																				C			A	L		L	L		C	L
6	T-10	MJM-18	109.60	adamellite porphyry	porphyritic	L	C	L	C	A	A	C	C	L					L	L			L			L	L					L	C			
7	T-12	MJM-18	180.50	serpentinite	mesh																	C		L	L	L	L	C	L					A	L

(2) Clastic Rocks

Serial Number	Sample Number	Number of Drilling Hole	Depth (m)	Formation Name	Rock Name	Texture and Structure	Grains				Secondary Minerals and Metamorphic Minerals									Original Rock
							quartz	plagioclase	alkali feldspar	opaque minerals	quartz	actinolite	riebeckite	tremolite	sillimanite	biotite	sericite	chlorite	opaque minerals	
1	T-3	MJM-14	150.00	Trusmadi F.	hornfels	blastosammitic	A	L	L	L						A		C	L	sandstone
2	T-4	MJM-15	113.50	Trusmadi F.	hornfels	blastosammitic	L	L	L	L	A		C		L	A		L	L	sandstone
3	T-7	MJM-16	233.60	Trusmadi F.	hornfels	blastosammitic	C	L			C				A	C		L	L	sandstone
4	T-9	MJM-17	194.60	Trusmadi F.	hornfels	micro polygonal	L	L			A	C		C	C	C	C	C	L	sandstone
5	T-11	MJM-18	135.10	Trusmadi F.	hornfels	blastosammitic	C				A	L				A	L	L	C	sandstone

notes

◎ A–abundant

○ C–common

• L–little

A-4 Result of Polished Section Examination

Ser. No.	Sample No.	Location		Megascopic Feature of Soecimen	Ore Minerals																	Remarks
		Borehole No.	Depth (m)		pyrite	chalcopyrite	bornite	chalcocite	enargite	wittichenite	*tetrahedrite*	molybdenite	pyrrhotite	marcasite	sphalerite	galena	electrum	magnetite	hematite	covellite	chromite	
1	P–01	MJM–14	98.10	py,(cpy) diss in Adm-p	C	L						R		R	R			L	R			
2	P–02	,,	101.00	py, cpy diss/strgs in Adm-p	C	C						R						L				
3	P–03	,,	106,10	,,	C	L						R	L	R	R			L				
4	P–04	,,	139.90	*cpy, py diss in Hf*	C	C	R	L	R				L	R	L							pyrrhotite : altered to marcasite cholcocite : after chalcopyrite
5	P–05	,,	234.50	cpy, py diss/vlts in Hf	C	C							L		R				L			sphalrtoyr dyst → in chalcopyrite
6	P–06	MJM–15	152.50	py vlts in Adm-p	C	L			L				L	L								marcasite : associated with pyrite
7	P–07	,,	163.60	py, cpy diss in Adm-p	C	L							L		R	R		L				sphalerite star → in chalcopyrite magnetite-inlenite lattice intergrowth body
8	P–08	,,	191.60	fine py, cpy diss in Adm-p	C	C							C		R			L				sphalcrite star → in chalcopyrite magnetite → ilmenite lattice intergrowth body
9	P–09	MJM–16	194.70	fine py, cpy diss in Hf.	C	C							C		R		R					electrum → in pyrite
10	P–10	MJM–17	218.80	py, (cpy) strgs in Hf	L	R							R		R			R	R			pyrrhotite → altered to marcasite
11	P–11	,,	234.80	py, cpy vlts in Hf	C	C				R			C		R							splalerite star → in chalcopyrite wottochemote → in chalcopyrite
12	P–12	,,	240.90	py-cpy-qtz vlts in Hf	L	C						R	C		R				R			pyrrhotite : magnetic
13	P–13	MJM–18	108.60	py, moly, cpy diss in Adm-p	C	R						R	R	R				L	L	L		hematite : after magnetite marcasite : associated with py. rite
14	P–14	,,	143.25	py, moly strgs in Hf	C	L						L			R				R			
15	P–15	,,	177.20	cpy, py, moly strgs in Peri	C	C					L	L			R	R					L	

Notes ; py : pyrite
cpy : chalcopyrite
moly : molybdenite
Adm-p : adamellite porphyry
Hf : hornfels
Peri : peridotite
diss : dissemination
strgs : stringers
vlts : veinlets
C : common
L : little
R : rare ~ very little

A-5 Result of X-ray Diffractive Analysis

Serial Number	Sample Number	Number of Drilling Hole	Depth (m)	Formation Name and Occurrence		Clay			Carbonate	Silicate	Feldspar		Other										Remarks
					Rock Name	vermiculite	chlorite	sericite	magnesite	quartz	plagioclase	alkali feldspar	pyrite	magnetite	serpentine	talc	biotite	hornblende	pyroxene	chromite	carbonate	makatite	
1	X-1	MJM-14	98.20	Intrusive Rock	adamellite porphyry		•			⊙	○	◯						○					
2	X-2	MJM-14	103.50	Intrusive Rock	adamerite porphyry		•	○		⊙	•	•	•										
3	X-3	MJM-15	147.10	Intrusive Rock	adamellite porphyry		•			⊙	◯	◯					•	◯					
4	X-4	MJM-15	157.00	Intrusive Rock	adamellite porphyry		•			⊙	◯	◯						◯					
5	X-5	MJM-15	296.00	Intrusive Rock	Serpentinized peridotite		○							◯	◯	•		•	•		•?	•?	
6	X-6	MJM-16	194.20	Trusmadi F.	hornfels		○	○		⊙	•												
7	X-7	MJM-17	206.70	Trusmadi F.	hornfels		•			⊙	⊙						◯	•					
8	X-8	MJM-17	207.70	Trusmadi F.	hornfels		•			⊙	◯						⊙						
9	X-9	MJM-17	293.80	Intrusive Rock	Peridotite		•							○	◯	•		○			•?		
10	X-10	MJM-18	168.80	Trusmadi F.	hornfels			•		◯	◯	◯	•				○						
11	X-11	MJM-18	175.20	Intrusive Rock	Peridotite	◯			◯							◯	◯	○					
12	X-12	MJM-18	186.50	Intrusive Rock	Peridotite				•					○	•	•		◯		•		•?	
13	X-13	MJM-18	271.50	Trusmadi F.	hornfels					⊙	○		•				◯						

Notes ; ⊙ abundant, ◯ common, ○ little, • very little

A-6 Chart of X-ray Diffractive Analysis

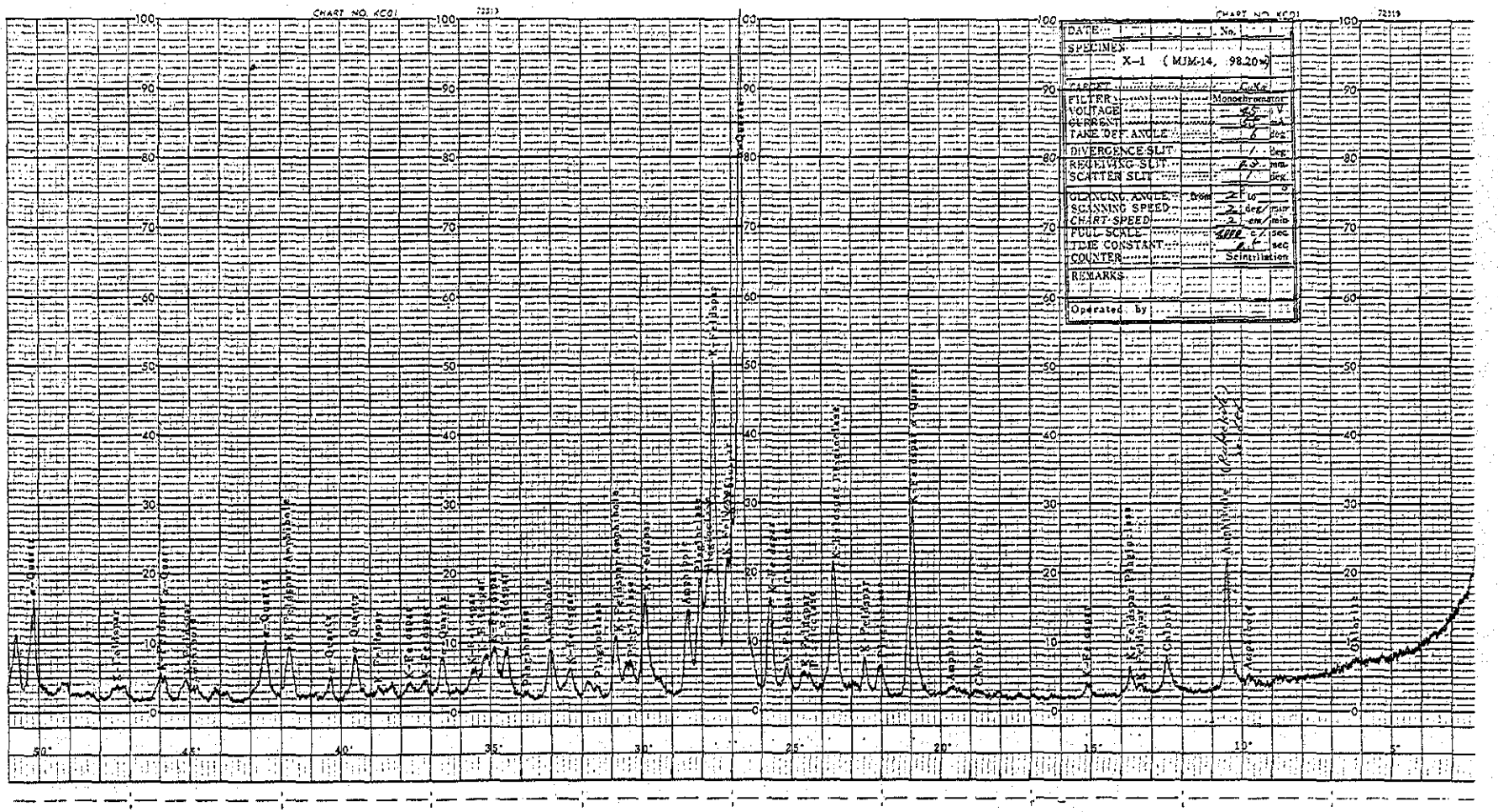


CHART NO. KC01
DATE
No.
SPECIMEN
X-1 (MJM-14, 98.20%)
TARGET Cu Kα
FILTER Monochromator
VOLTAGE 35 kV
CURRENT 60 mA
TAKE OFF ANGLE 6 deg
DIVERGENCE SLIT 1° deg
RECEIVING SLIT 0.3 mm
SCATTER SLIT 1° deg
GLANCING ANGLE from 2 to °
SCANNING SPEED 2 deg/min
CHART SPEED 2 cm/min
FULL SCALE 1000 c/sec
TIME CONSTANT 1.6 sec
COUNTER Scintillation
REMARKS
Operated by
50°
45°
40°
35°
30°
25°
20°
15°
10°
5°

CHART NO. KC01
SPECIMEN X-2 (KIDA-14, 103.50 m)
Operated by

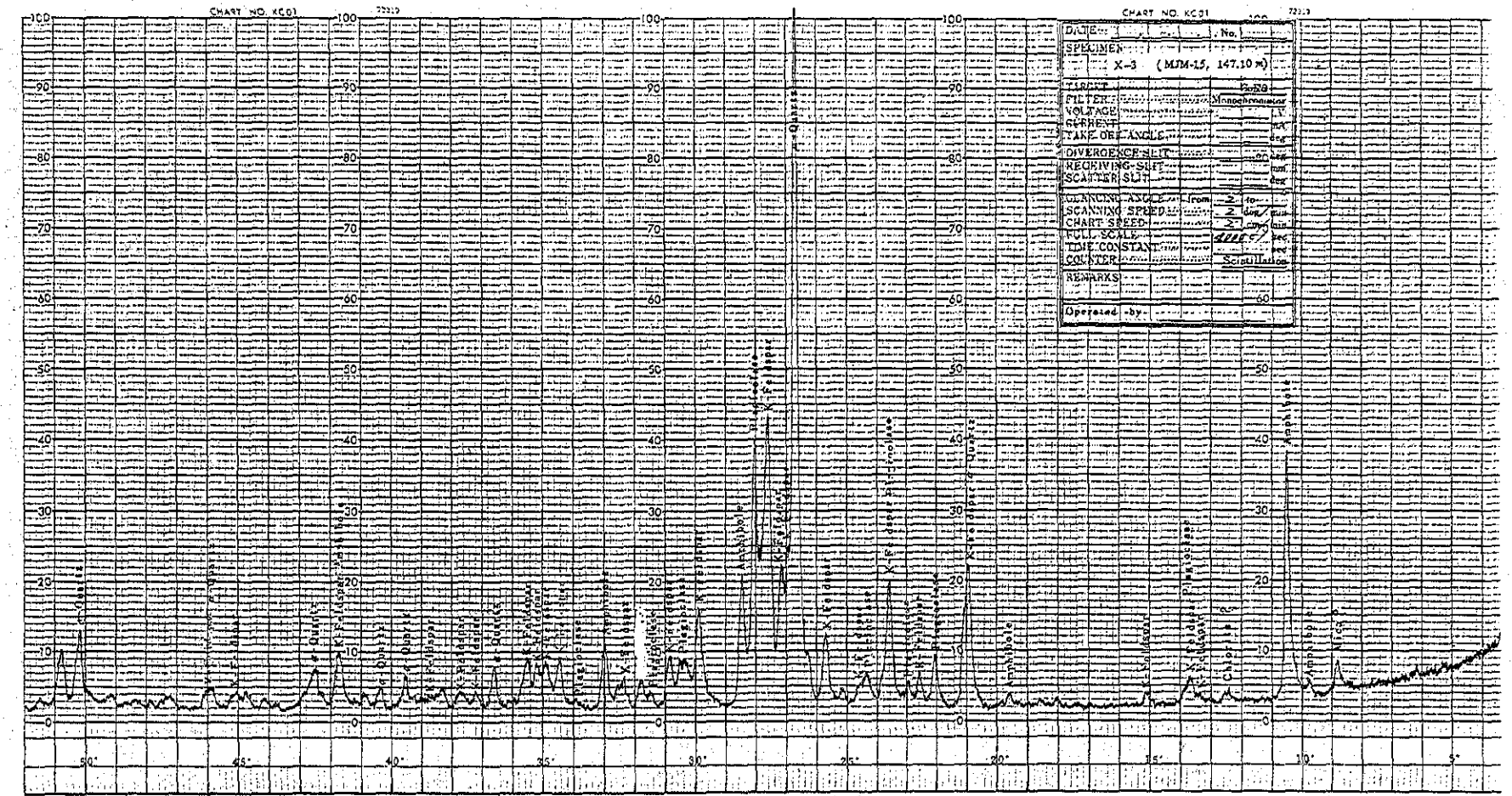
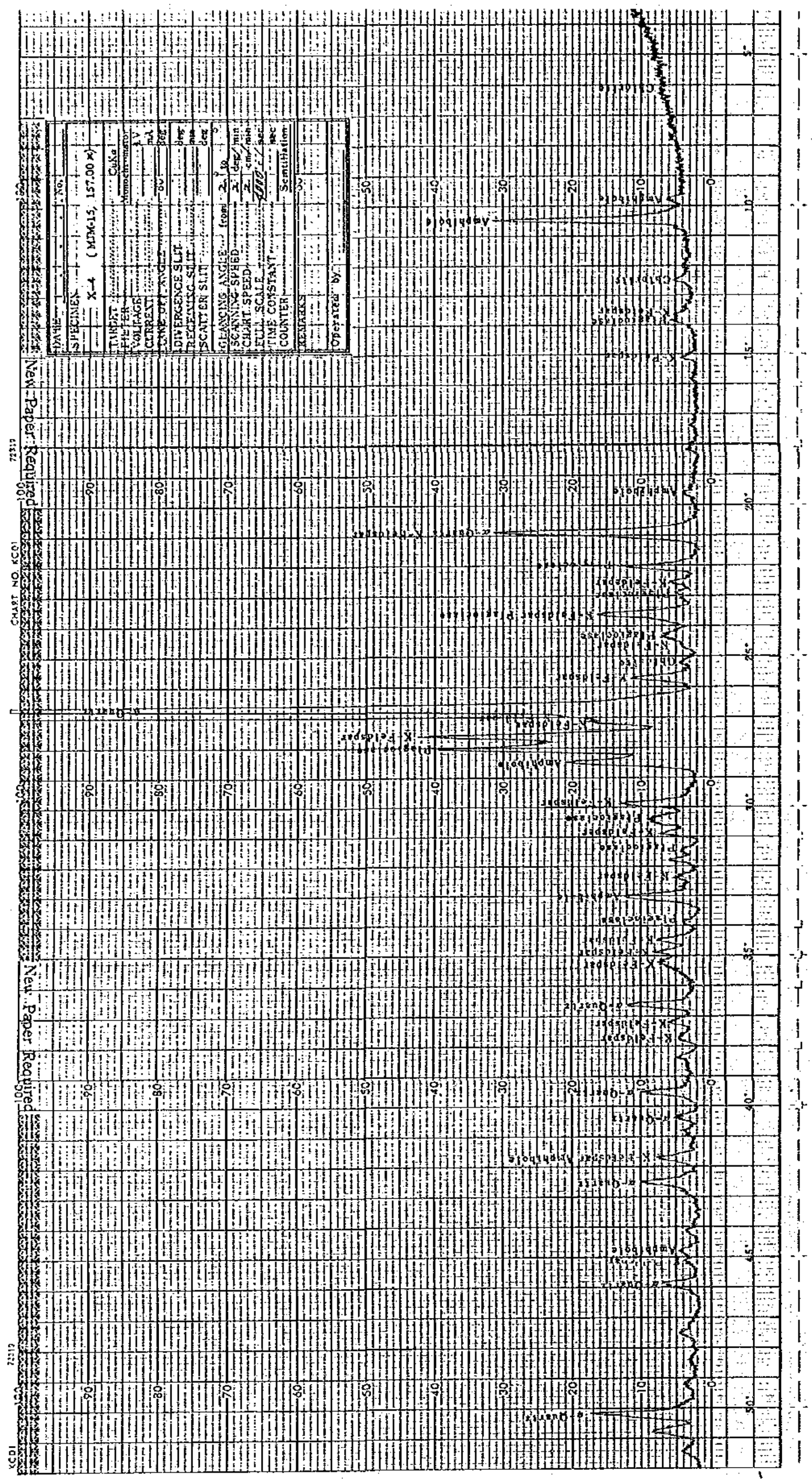
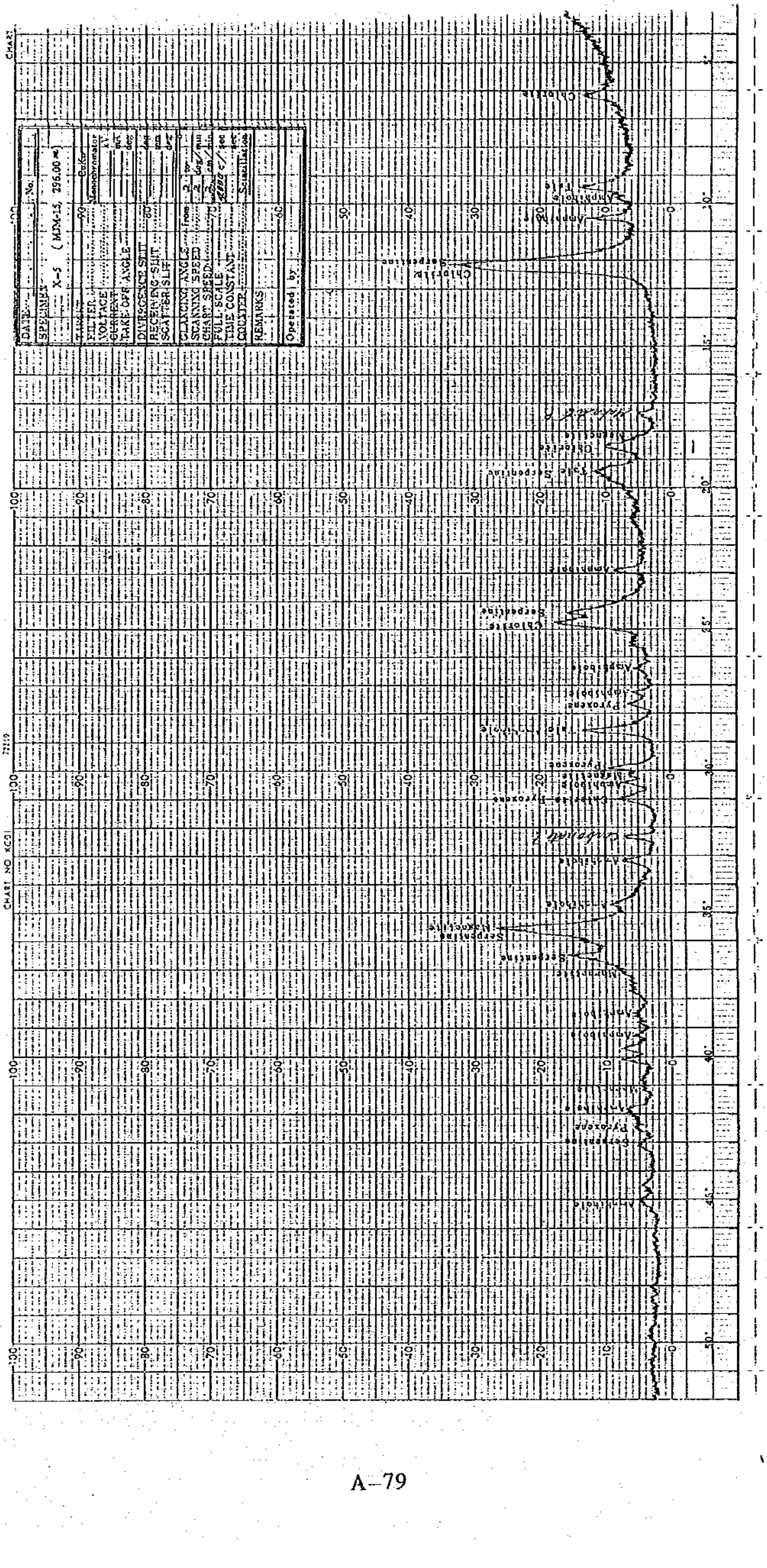
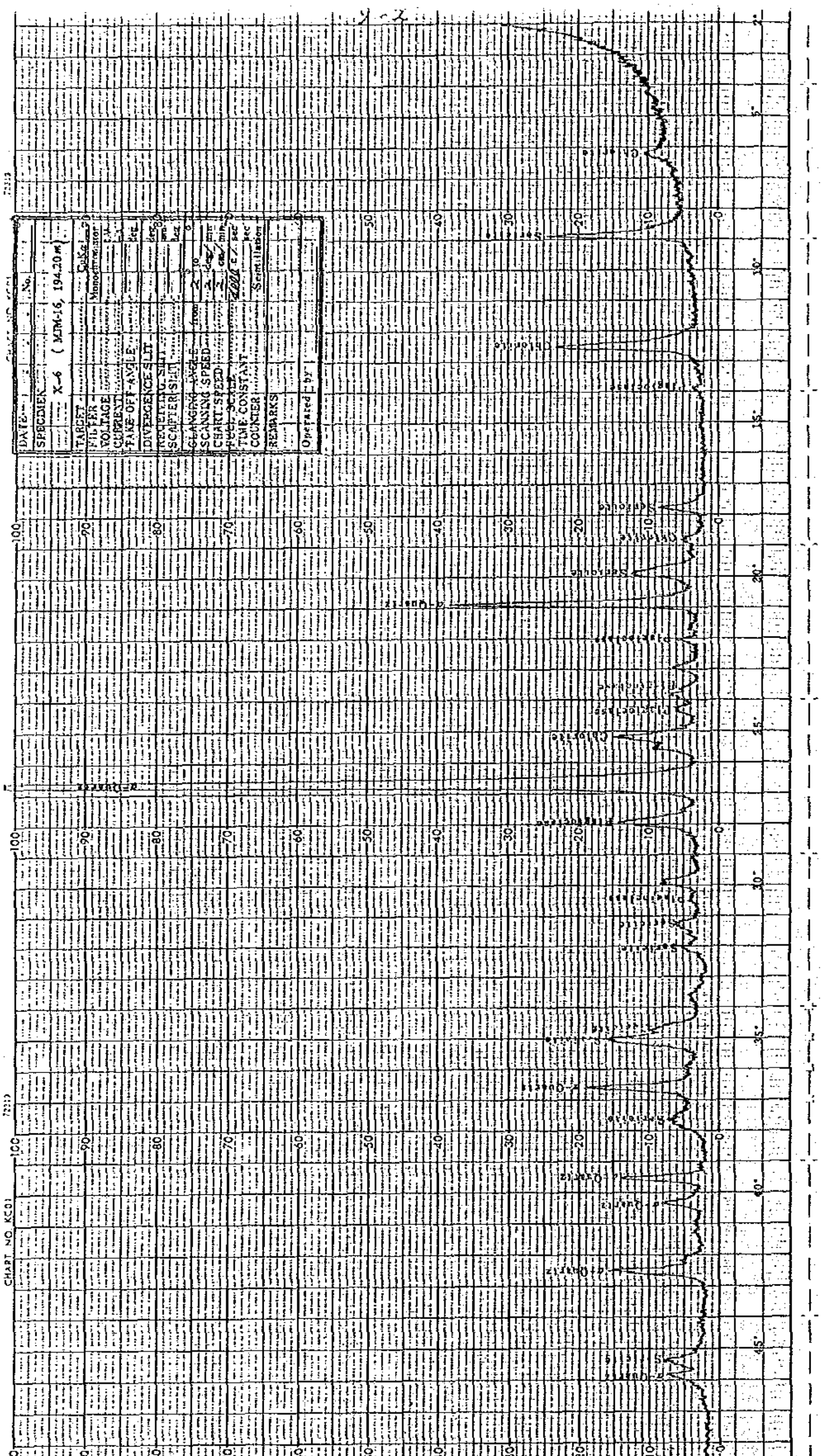


CHART NO. KC01
CHART NO. KC01
DATE
No.
SPECIMEN
X-3 (MJM-15, 147.10 m)
TARGET
FILTER
VOLTAGE
CURRENT
TAKE OFF ANGLE
DIVERGENCE SLIT
RECEIVING SLIT
SCATTER SLIT
SCANNING ANGLE from 2 to
SCANNING SPEED 2 deg/min
CHART SPEED 2 cm/min
FULL SCALE 1000 c/s
TIME CONSTANT 1 sec
COUNTER Scintillation
REMARKS
Operated by
Cu
Monochromator
kV
mA
deg
mm
deg
sec
50°
45°
40°
35°
30°
25°
20°
15°
10°
5°





SPECIMEN X-5 (MJM-15, 296.00 m)
Chlorite
Serpentine
Talc
Amphibole
Pyroxene
Magnetite
CHART NO. KC01



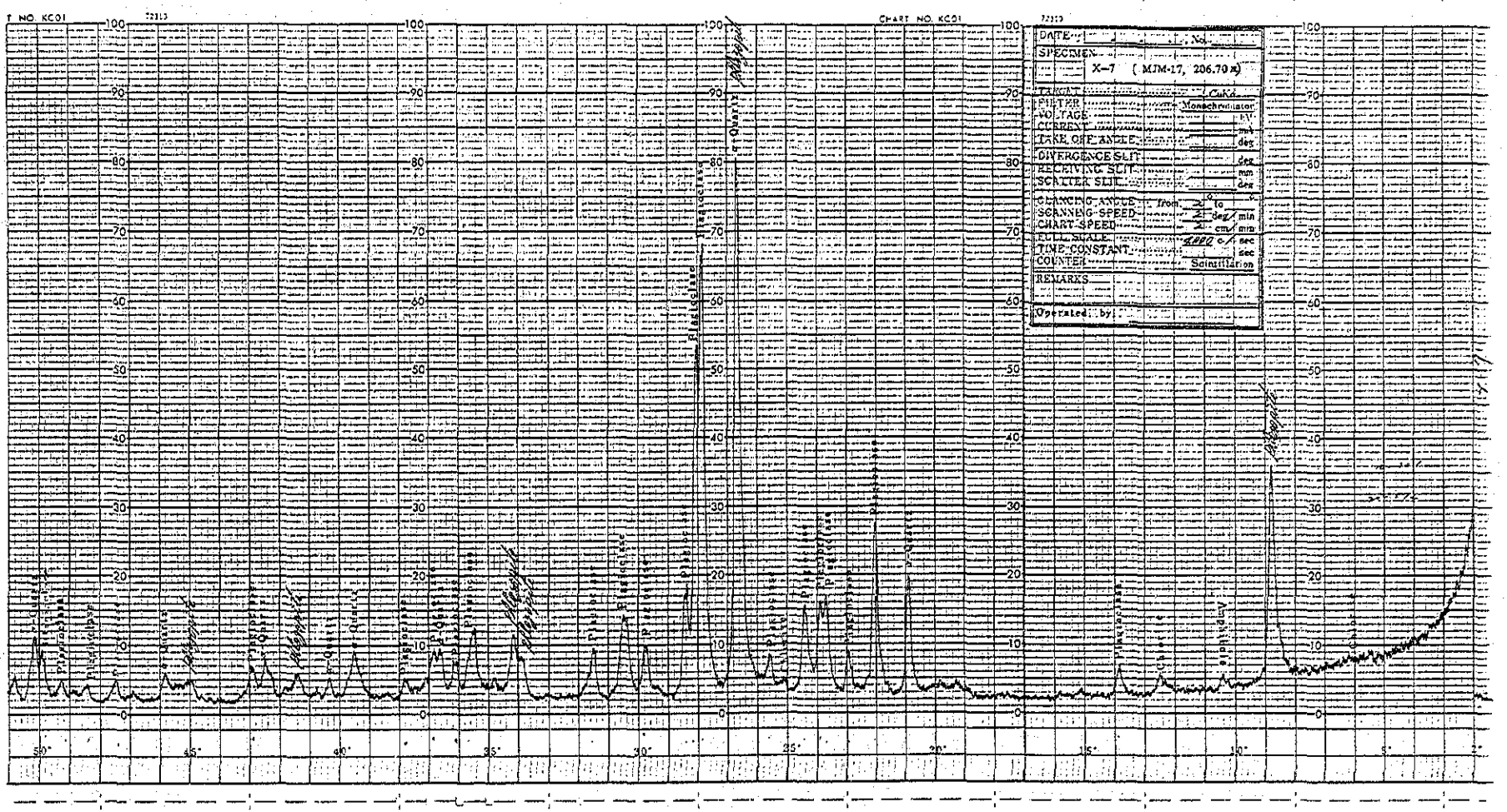


CHART NO. KC01
DATE
SPECIMEN
X-7 (MJM-17, 206.70 m)
TARGET Cu Kα
FILTER Monochromator
VOLTAGE kV
CURRENT mA
TAKE OFF ANGLE deg
DIVERGENCE SLIT deg
RECEIVING SLIT mm
SCATTER SLIT deg
SCANNING ANGLE from to
SCANNING SPEED deg/min
CHART SPEED cm/min
FULL SCALE c/sec
TIME CONSTANT sec
COUNTER Scintillation
REMARKS
Operated by
Intensity
Diffraction Angle
50°
45°
40°
35°
30°
25°
20°
15°
10°
5°