

**Appendix 17 Assay Result for Mineral Separation Test**

No.	Sample name	Au (g/t)	Ag (g/t)	Cu (%)	Fe (%)	As (%)	S (%)
1	T3-87.5	223.1	281	6.56	16.9	<0.01	2.76
2	C2-19.5L	137.7	12.9	0.69	14.85	<0.01	0.6
3	C2-19.8R	15.05	60.9	1.66	14.4	<0.01	1.55
4	Original ore minerals	20.3	16	0.98	17.2	<0.01	0.56
5	Heavy minerals	70.8	93	4.43	18.4	<0.01	2.01
6	Medium minerals	11.8	16	0.97	18.0	<0.01	0.58
7	Light minerals	6.0	10	0.34	16.9	<0.01	0.28
8	Slime	3.5	9	0.71	16.6	0.01	0.50
9	Concentrate	—	—	12.8	13.0	0.02	7.82
10	taling	1.1	2	0.01	10.2	<0.01	<0.02

Method : Au, Ag (fire assay) , Cu, Fe, As, S (ICP)

**Appendix 18 Result of X-ray Diffraction Analysis for Mineral Separation Test**

No.	Sample name	Bn	Cp	Qz	Ad	Hd	Amp	Cal	Sid	Ch
1	Heavy minerals	△	△	△	◎	○	△	△	.	.
2	Medium minerals			△	◎	○	△	△	.	.
3	Light minerals			◎	◎	○	○	△	.	△
4	Concentrate	○	◎	○	○	○	○	○	.	△
5	Taling			○	◎	○	△	△	.	.

Legend ◎ : Abundant, ○ : Common, △ : Poor, . : Rare

Ad : Andradite      Cal : Calcite      Hd : Hedenbergite  
 Amp : Amphibole      Ch : Chlorite      Qz : Quartz  
 Bn : Bornite      Cp : Chalcopyrite      Sid : Siderite

Appendix 19 Result of Modal Analysis for Mineral Separation Test

No.	Sample name	Ore minerals													Gangue minerals												
		Total	Mt	Hm	Py	Asp	Mc	Bn	Cp	Sp	Op	Qz	Ga	Cpx	Amp	Carb	Cal	Sid	Ilv	Ch	Se	Kf					
1	Heavy minerals	Counting	1000	2							55	25				14	634	174	30		24	11	1	30			
		Model(%)	100	0							6	3				1	63	17	3		2	1	0	3			
		Counting	1000								6					52	347	347	73		87*				40	15	25
2	Light minerals	Model(%)	100												0	5	35	35	7		9			4	1	3	
		Counting	1000																								
		Model(%)	100																								
3	Concentrate	Counting	1000	1	1	3	1	1	1	111	139	3			14	294	175	37	196				1	23			
		Model(%)	100	0	0	0	0	0	0	0	11	14	0		1	29	18	4	20				0	2			
		Model(%)	100																								

Amp: Amphibole  
 Asp: Arsenopyrite  
 Bn: Borrite  
 Cal: Calcite  
 Carb: Carbonate  
 Ch: Chlorite  
 Cp: Chalcopyrite  
 Cpx: Clinopyroxene  
 Ga: Garnet  
 Hm: Hematite  
 Ilv: Ilvaite  
 Kf: K-feldspars  
 Mc: Marcasite  
 Mt: Magnetite  
 Op: Opaque  
 Py: Pyrite  
 Qz: Quartz  
 Se: Sericite  
 Sid: Siderite  
 Sp: Sphalerite

\* Including calcite and other carbonates

Appendix 20 Result of EPMA Analysis for Mineral Separation Test

Mineral identification

Sample no.	Sample name	Analyzed domain	Analyzed element	Remarks
1	Heavy minerals	EI with Cp	Au, Ag, Cu	
2	Heavy minerals	EI with Bi	Au, Ag, Cu, Pb, Fe, Bi, Se, S	EI coexist with Bi and Clah
3	Concentrate	EI with Qz	Au, Ag, Si	Fine EI spots included in Qz
4	Concentrate	EI with Bi and Cp in Grd	Au, G, Cu, Fe, Ni, Co, Bi, As, S	
5	Concentrate	Grd and Hc in Cp	Cu, Fe, Ni, Co, Bi, As, S	Grd includes Bi

Bi : Bismuth, Clah : Clausthalite, Cp : Chalcopyrite, EI : Electrum, Grd : Gersdorffite (Ni,Co)Ass,

Hc : Hauchecornite Ni9Bi2S8, Qz : Quartz

Electrum (Au-Ag ratio)

Sample no.	Sample name	Weight (%)		Atomic (%)		Occurrence
		Au	Ag	Au	Ag	
1	Electrum in heavy minerals (1)	73.0	27.0	59.6	40.3	single grain, $\phi$ 180 $\mu$ m
2	Electrum in heavy minerals (2)	61.0	39.0	46.2	53.8	grain in Cp, $\phi$ 18 $\mu$ m
3	Electrum in heavy minerals (3)	56.1	43.9	41.2	58.8	grain in Bn, $\phi$ 13 $\mu$ m
4	Electrum in heavy minerals (4)	53.6	46.4	38.8	61.2	film along Ga, thickness 2 $\mu$ m
5	Electrum in heavy minerals (5)	70.3	29.7	56.4	43.6	grain in Ga, $\phi$ 12 $\mu$ m
6	Electrum in concentrate (1)	60.8	39.2	45.9	54.1	grain in Qz, $\phi$ 3 $\mu$ m
7	Electrum in concentrate (2)	72.1	27.9	58.6	41.4	grain in Qz, $\phi$ 12 $\mu$ m
Average		63.8	36.2	49.5	50.5	
Range		53.6~73.0	27.0~46.4	38.8~59.7	40.3~61.2	

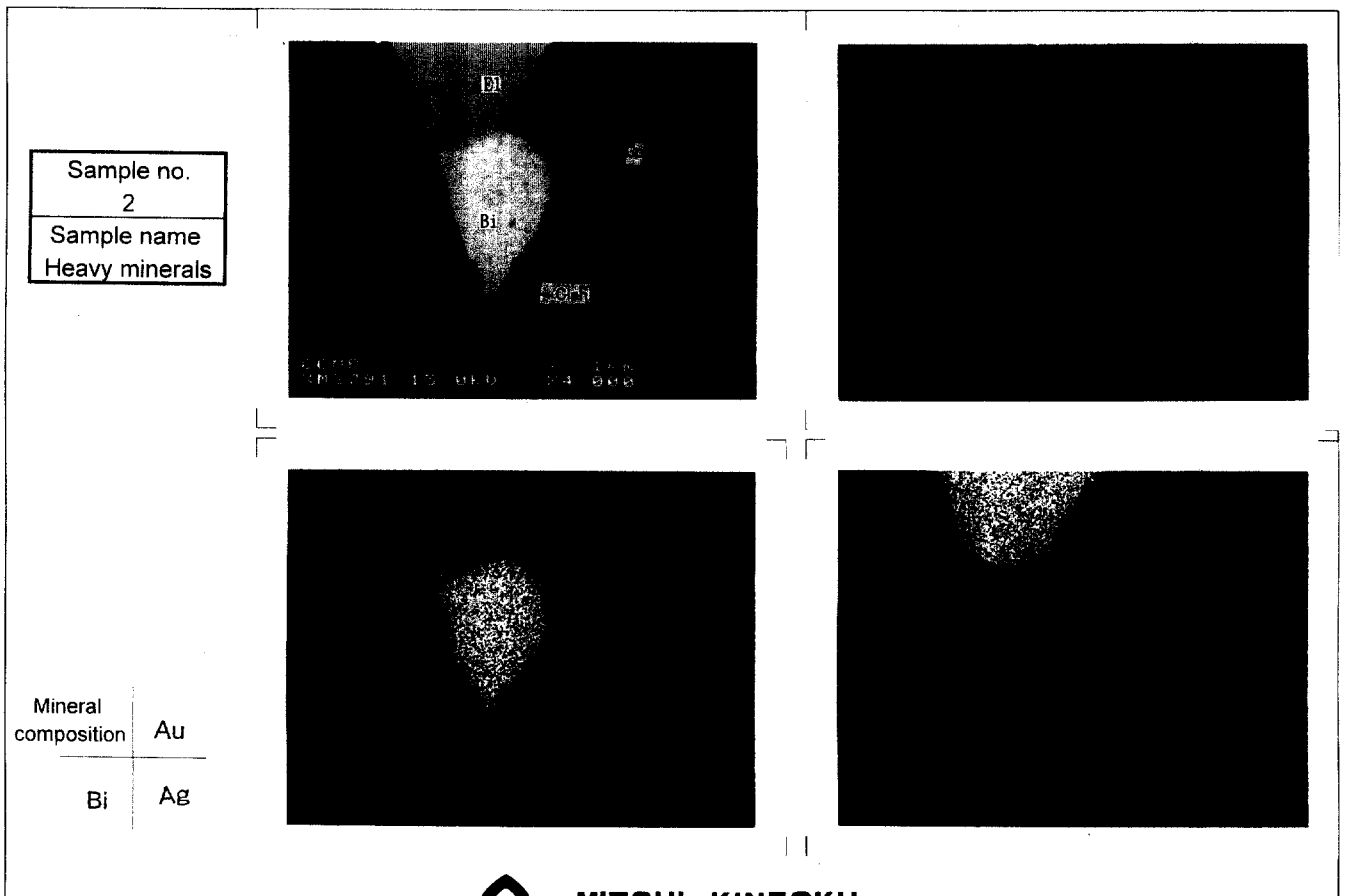
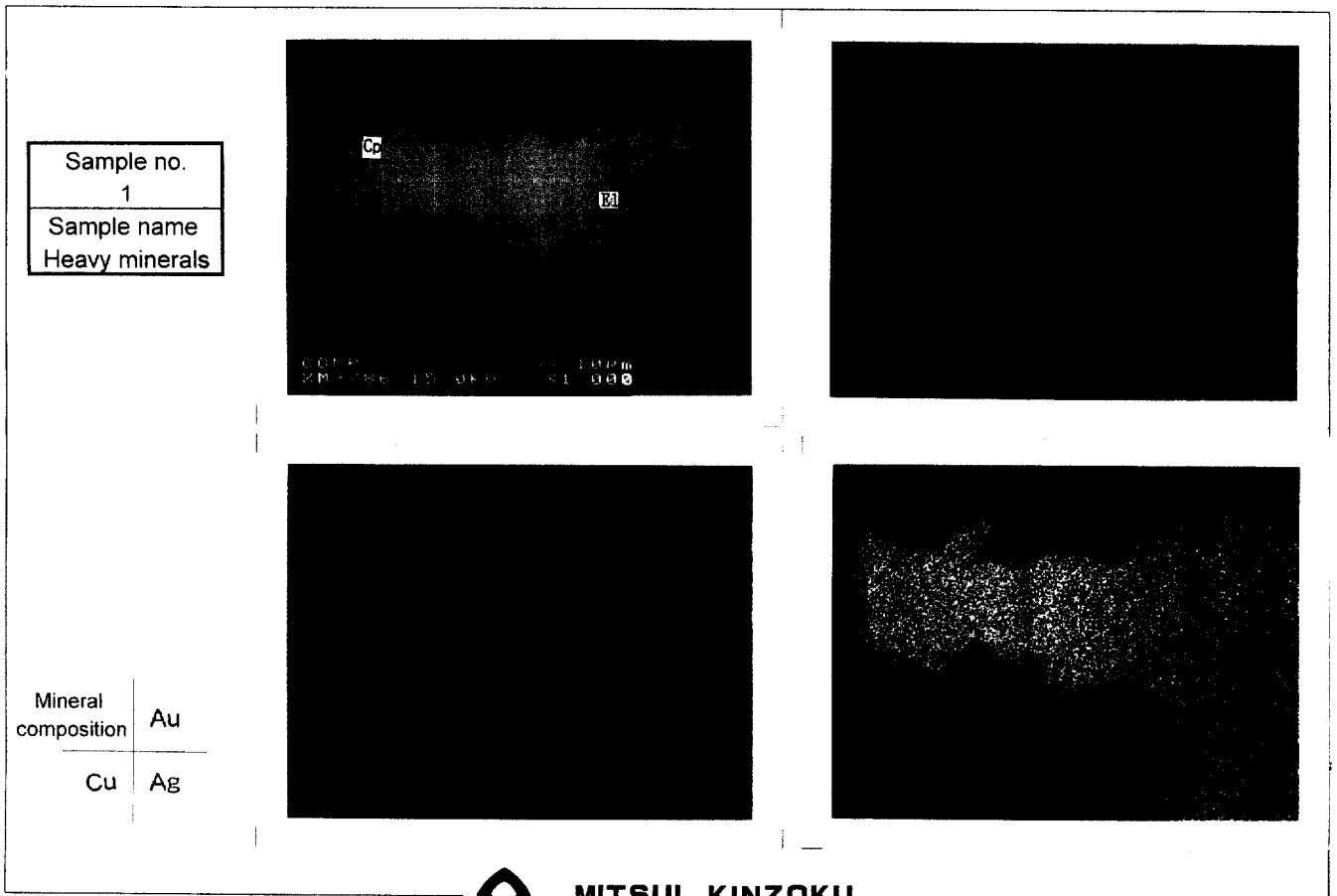
# Appendix 21

## Photomicrographs of EPMA Analysis for Mineral Separation Test

### Abbreviations

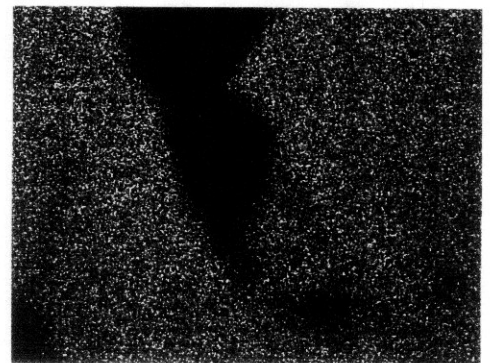
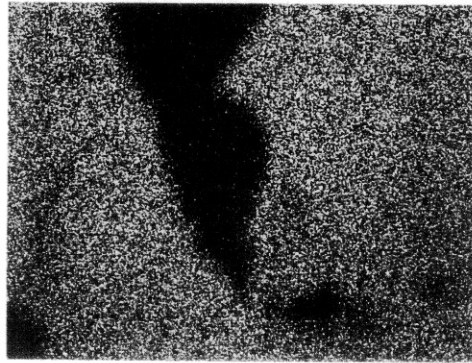
Bi	:Bismuth
Clah	:Clausthalite
Cp	:Chalcopyrite
El	:Electrum
Grd	:Gersdorffite (Ni,Co)AsS
Hc	:Hauchecornite $\text{Ni}_9\text{Bi}_2\text{S}_8$
Qz	:Quartz

Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test



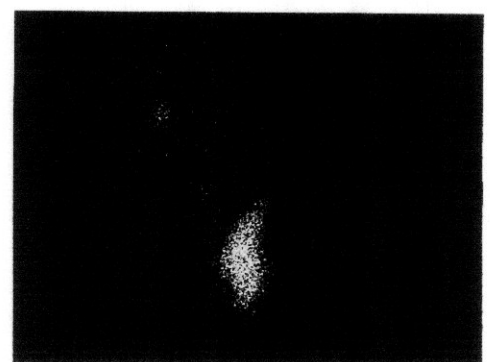
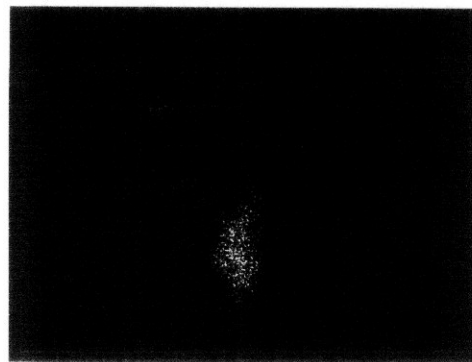
Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

Sample no.
2
Sample name
Heavy minerals

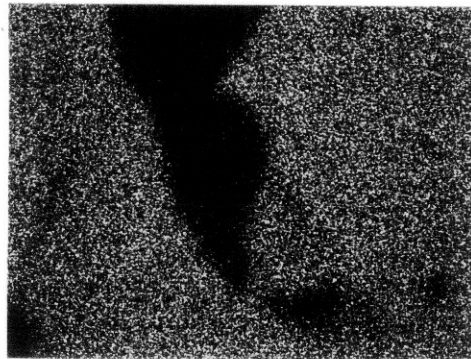


Cu	S
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Pb	Se
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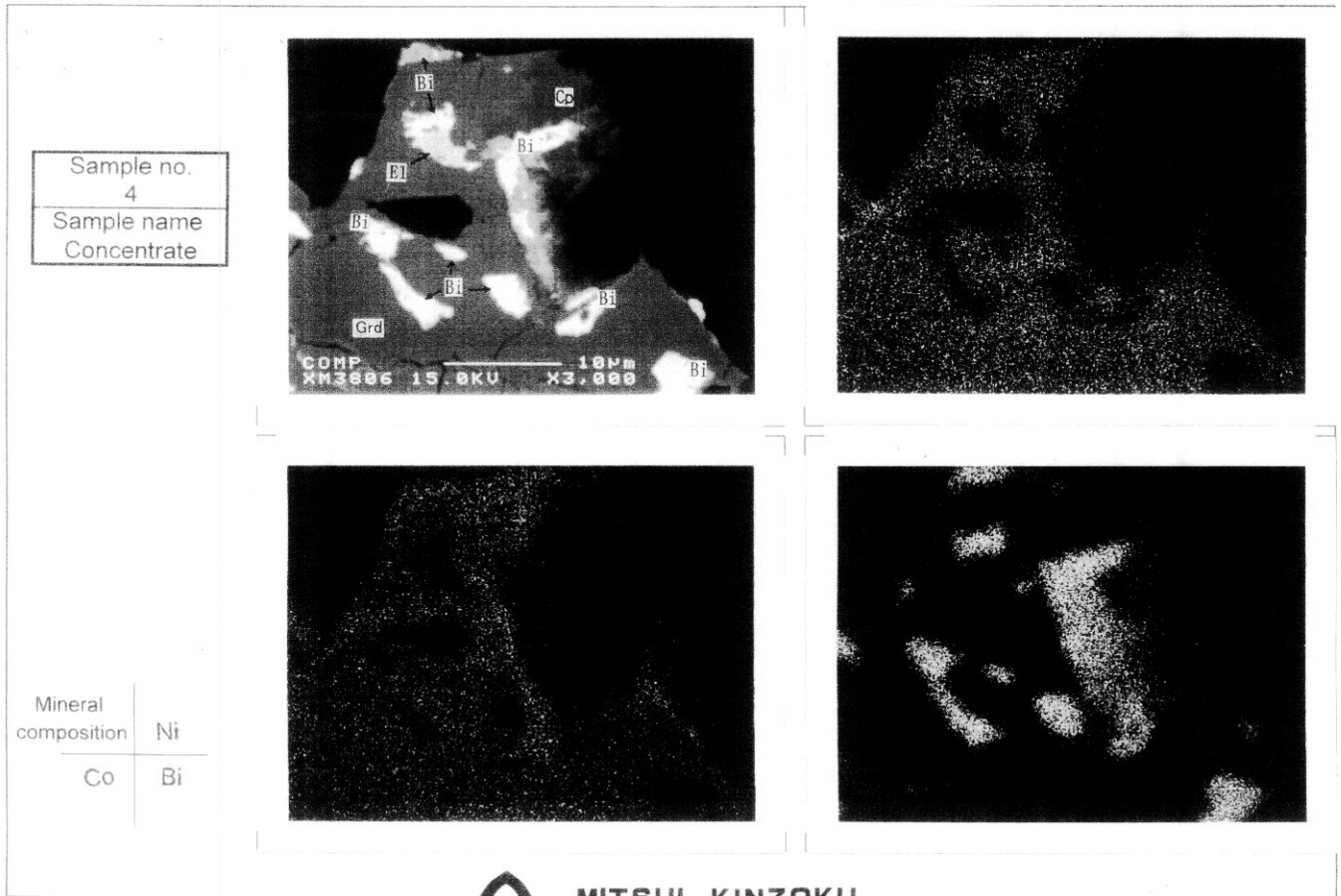
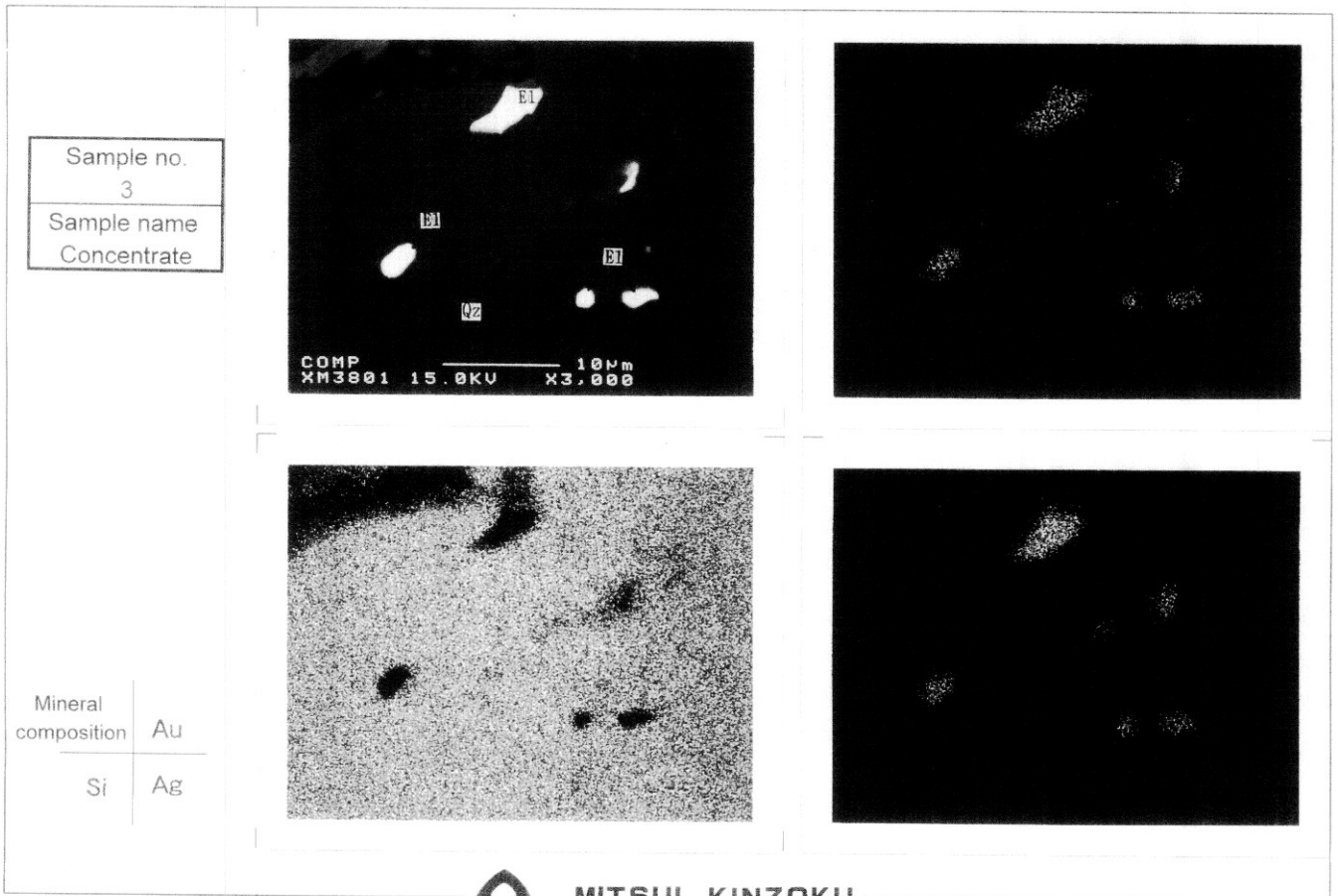
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2
Sample name
Heavy minerals



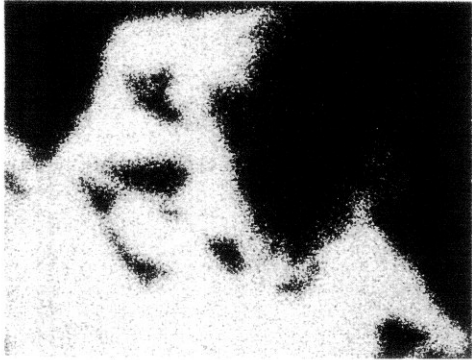
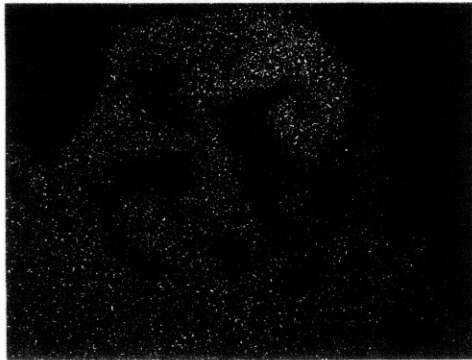
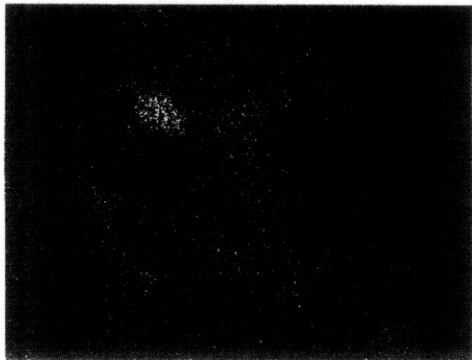
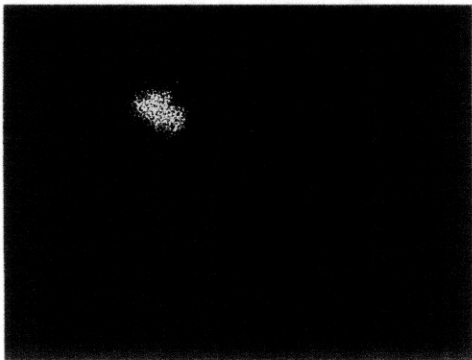
Fe
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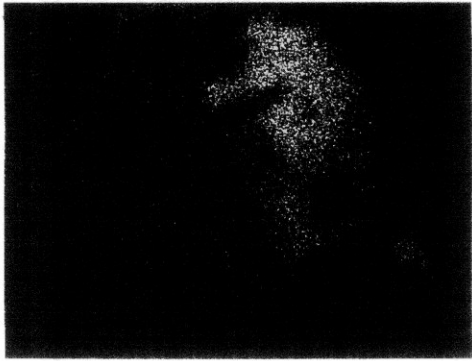
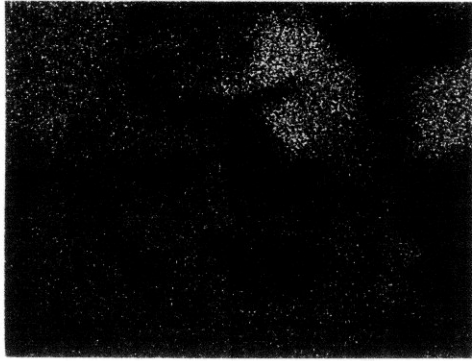


Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test



Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

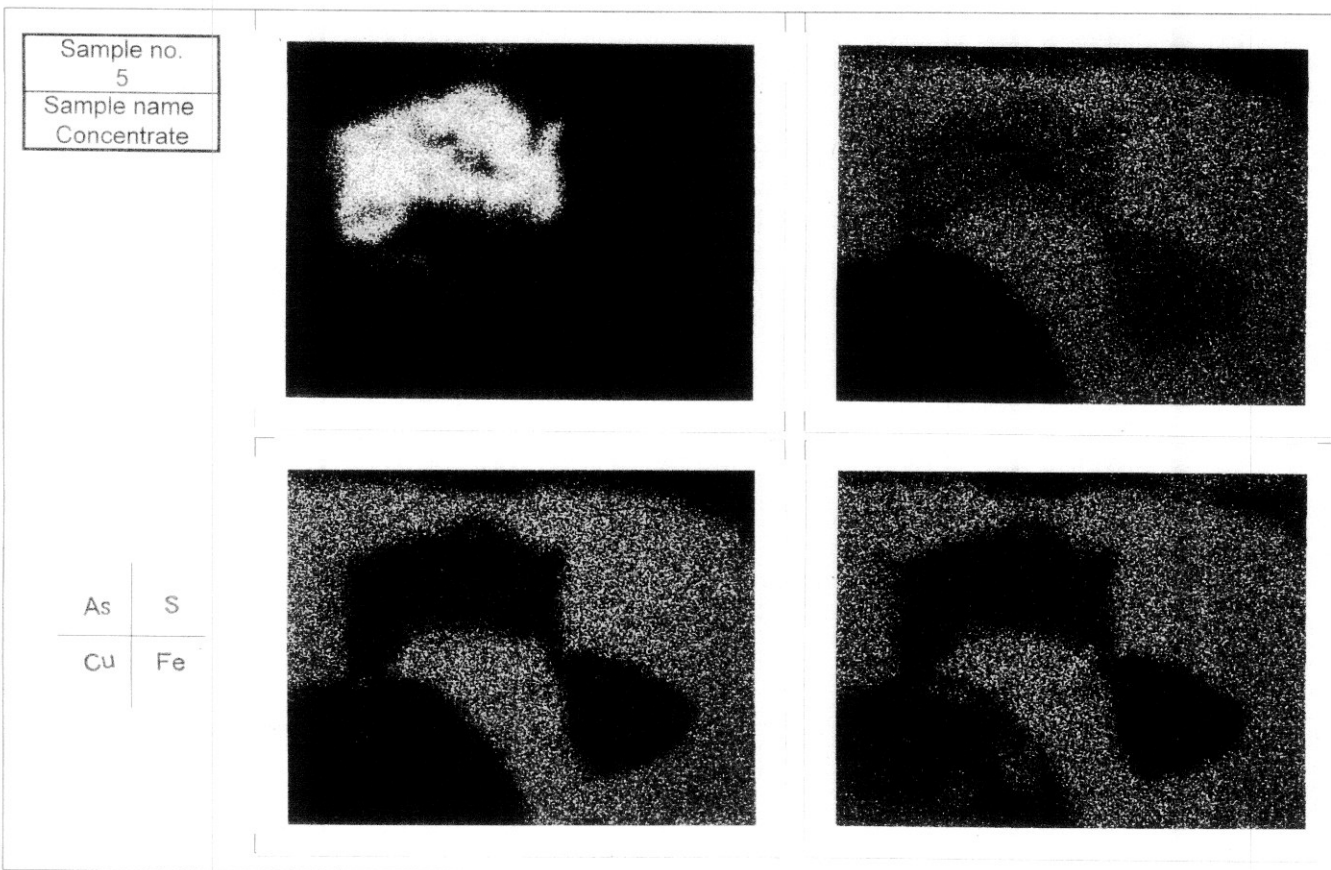
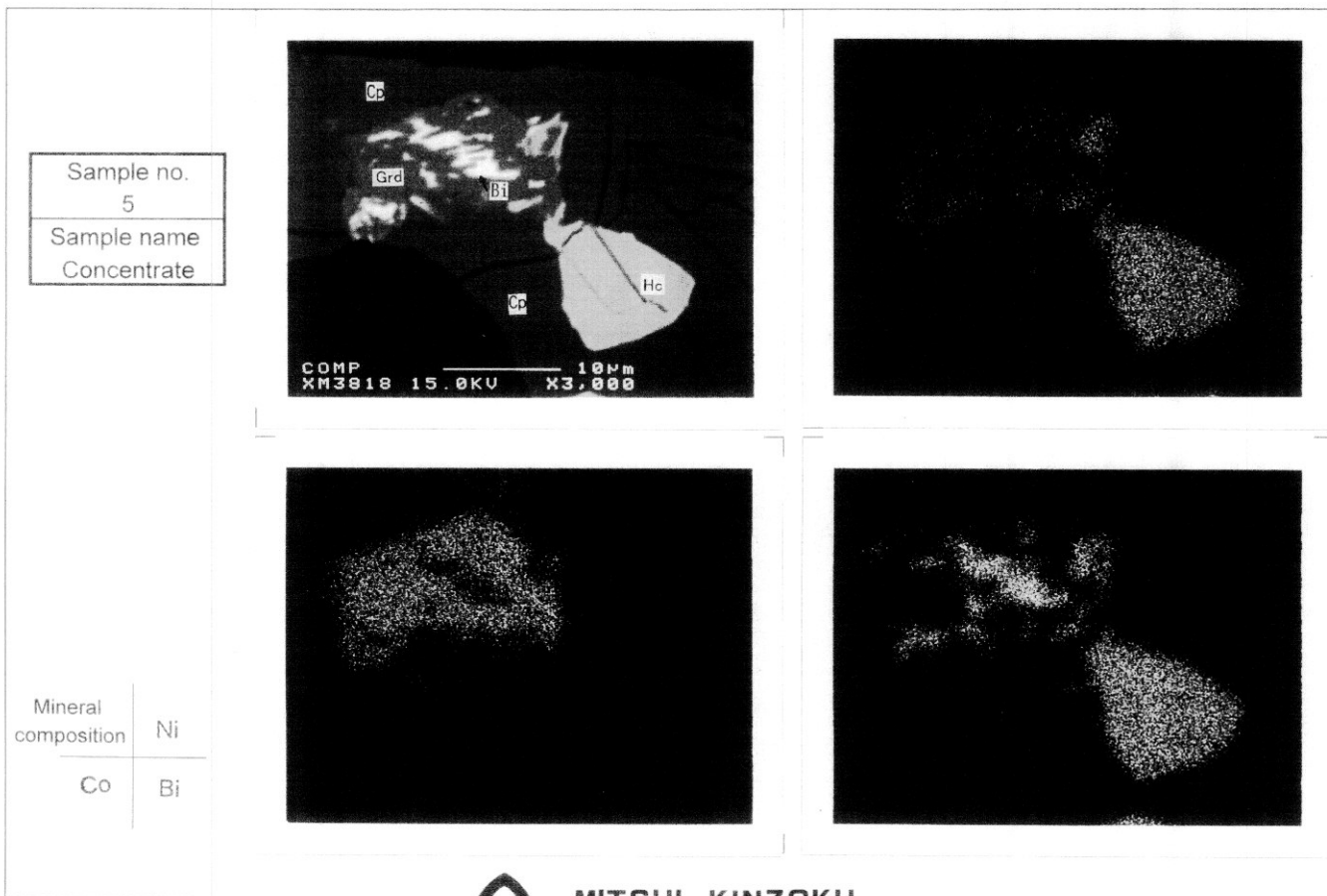
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Sample no.						
4						
Sample name						
Concentrate						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">As</td><td style="padding: 2px;">S</td></tr> <tr><td style="padding: 2px;">Au</td><td style="padding: 2px;">Ag</td></tr> </table>	As	S	Au	Ag		
As	S					
Au	Ag					

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Sample no.</td></tr> <tr><td style="text-align: center; padding: 2px;">4</td></tr> <tr><td style="padding: 2px;">Sample name</td></tr> <tr><td style="padding: 2px;">Concentrate</td></tr> </table>	Sample no.	4	Sample name	Concentrate		
Sample no.						
4						
Sample name						
Concentrate						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Cu</td><td style="padding: 2px;">Fe</td></tr> </table>	Cu	Fe				
Cu	Fe					





Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test



# Appendix 22

## Geologic Core Logs (MJKA-14~18)

### Abbreviations

alt	: altered/alteration	mdg	: medium grain
ap	: aplite	min	: mineral/mineralization
arg	: argillized/argillization	Mo	: molybdenite
Asp	: arsenopyrite	mzd	: monzodiorite
avg	: average	olv	: olive
blk	: black	O.C.	: open crack
brecc	: breccia/brecciated	p-	: pale
brn	: brown	para	: parallel
Ca	: calcite	pheno	: phenocryst
cly	: clay	Pl	: plagioclase
csg	: coarse grain	porph	: porphyritic
d-	: dark	Prh	: prehnite
dk	: dark	Px	: Pyroxene
diss	: disseminated/dissemination	Qv	: quartz vein
dr	: drusey	rd	: red
Fld	: feldspar	sh	: shear
fng	: fine grain	SJ	: shear joint
frac	: fracture	sid	: siderite
gb	: gabbro	sil	: silicified
Ga	: garnet	sk	: skarn
org	: grange	skd	: skarnized
gd	: granodiorite	slic	: slicken side
gdp	: granodiorite porphyry	v	: vein
gry	: grey	vl	: veinlet
Hb	: hornblende	wk	: weak
lmp	: lamprophyre	wht	: white
l-	: light	w	: width
limo	: limonite	w/	: with
Mt	: Magnetite	yel	: yellow
ma	: marble	z	: zone



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

Level 1887.1m Direction 300°  
 X(N) 2421.1m Inclination -70°  
 Y(E) 1370.6m Length 100.0m

MJKA - 14 50.0 m - 100.0 m

LITHO-LOGGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT							LAB. TEST		
					AU (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)		Mo (ppm)	
		50-67m } 0° o.c. 70-75m }												
M	83.7 84.0	0° Ga >0.5° w/Azurite												
	85.6	50° brn-gry fng Ga v 3°												
	86.6 86.9	5°-20 slicken												
M	87.9 88.2	30° Ga 2cm 87.9-88.2 l-gry skd dike, gry pheno spots 50° slicken upper contact Ga w/Cp, Cu 80° -Hb pheno ave 1mm, f-mdg holocrystalline-> same as MJKA-15 87.8 dike 70° slicken 0° O.C.	87.4 88.2		A14006	0.12	0.8	300	4	120	-	-	3	P 88.0 88.2
M	91.6	60° slicken												
	92.5	0° 92.5-93.7 o.c.												
	93.4	0°-10 rd-brn 93.4-96.5												
M	96.5 97.0	10° grn and rd-brn z 10°												
	98.4	60°												
	99.2	70° gry z												

100.0m







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

Level 1887.1m Direction 300°  
 X(m) 2421.1m Inclination -70°  
 Y(m) 1370.6m Length 188.6m

MJKA - 15 80.0m - 100.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT								LAB. TEST
					Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	
	80.3	48.8-80.3 sk color d-gry fng Cp diss-grn wht sk(imp?)	80.2	A15009	12.3	3	2000	12	Tr	-	-	-	
	80.9	O.C. Ilmo											
	81.4	O.C. Ilmo	81.2	A15073	0.012	-	12	3	-	-	-	1.2	
M	82.3	O.C. Ilmo											
M	83.0												
M	84.4	O.C. Ilmo											
	84.8	64.8-85.05 rd-brn sk zone	84.8										
	85.3	rd-brn sk stringers (<1mm) zone	85.05	A15010	0.07	<0.1	50	<3	Tr	-	-	1.5	
	85.6												
M	86.3	56.3-86.5 3° sk zone											
	86.5	56.5-87.6 l-gry sk zone (Bl-Ga)	86.5										
M	87.6		87.5	A15011	0.03		50	3	Tr	-	-	1.5	
M	88.3	O.C. Ilmo.											
M	88.8	O.C.											
M	89.3	silck											
	89.9	60° silck 59.9-60.0, 59.7-60.2 brecciated, -dr (sk) zone											
	90.6	l-gry (sk) zone 5°											
	91.0	silck											
M	91.3	O.C. Ilmo											
	91.9	O.C. Ilmo											
	92.1	silck											
	92.7	silck											
M	94.1	silck-breccia											
	94.4	curved silck											
M	86.7	86.7-87.8 rd-brn, d-gry (skn) zone	86.7										
	87.5	67.5-87.6 d-gry fng sulphide stringers	87.8	A15074	0.05	0.5	300	4	30	-	<30	5	
	87.8	87.8-87.8 gry porph imp, +1mm Ga net											
	88.8	Ga v 2cm shear, Cu, Ilmo Ga shear 4cm bract clay (Cu, v Ilmo) <4b d-color spots ave 2mm, matrix rd fng equigranular 1mm>	88.8	A15012	3.2	0.2	90	5	150	-	-	120	
	89.8	O.C. 5/20cm	89.8	A15013	3.7	4	3000	5	150	-	50	1.5	
	90.2	O.C. Ilmo											
	91.0		91.0	A15075	0.6	<0.3	120	3	-	-	30	1.5	
	92.0		92.0	A15014	0.07	<0.1	120	4	Tr	-	150	1.2	
	93.0	72.8-73.1 Ga sk	93.0	A15015	4.0	0.2	150	5	120	-	-	1.5	
	93.1	73.1 (n)-74.1 (gradualy) 23° grn-gry pl-spotted skd f silck sh filled with cal 1°											
	94.0	74.15-75.7 fsh 5° Ilmo powdery	94.0	A15016	1.5	1.2	300	20	150	-	40	3	
	95.0	75.0-75.5 cal brecc	95.0	A15017	0.9	1.5	200	9	150	-	90	2	
	95.7	75.7-76.2 brn Mn-Ga sk & Px sk	95.0										
	96.0	76.0-76.5 Mn-Ga sk & Px sk	96.0	A15018	2.8	0.15	70	12	120	-	300	3	
	97.0	77.3-78.9 Mn-Px sk	97.0	A15019	6.2	0.15	120	7	300	-	70	1.5	
	97.6	77.6-78.9 mdg	97.6	A15020	9.8	<0.1	90	3	300	-	-	1.5	
	98.0	78.0 6° Qz v	98.0	A15021	28.7	9	40	3	150	-	-	1.2	
	98.4	78.4-80.1 Mn-Px-Ga sk Ga fng (skd dike)	98.0										
	98.5	78.5-80.1 Mn-Px-Ga sk Ga fng (skd dike)											
	99.0	79.0-82.4 Mn-fng Ga -mdg Px sk	99.0	A15022	1.5	0.2	500	40	200	-	-	3	
	99.5	80.1-82.4 Mn-fng Ga -mdg Px sk	99.5	A15023	1.8	0.15	400	3	150	-	-	1.2	
	99.8	82.4-82.7 Q w/Px Blg crystals	99.8	A15024	3.1	0.4	300	7	300	-	-	1.2	
	99.9	82.7-85.5 gry porph mdg imp, weak alt	99.9	A15025	1.6	0.6	400	3	300	-	<30	1.2	
	99.9	82.7-82.4 fng gradually change into mdg	99.9	A15026	1.0	<0.1	15	4	30	150	-	1.5	
	99.9	85.4-86.5 fng fng part 20 w=5°											
	99.9	Qvis 30-40 ±1mm	99.9	A15027	0.09	<0.1	90	9	70	-	-	5	
	99.9	grn-grn aphyric	99.9	A15028	0.07	<0.1	90	12	120	-	-	3	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15029	0.04	-	70	9	90	-	-	7	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15030	1.6	0.15	120	5	150	-	-	3	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15031	1.5	<0.1	90	200	200	3000	-	2	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15032	1.3	<0.1	50	7	200	-	-	2	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15033	2.6	0.12	30	7	120	-	-	3	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15034	1.8	0.15	70	4	150	400	-	4	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15035	3.1	0.12	30	5	150	300	-	3	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15036	3.4	0.12	200	30	400	2000	-	12	(T)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15037	1.5	0.15	90	20	120	4000	-	120	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15038	3.2	0.15	40	9	120	120	-	5	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15039	2.4	0.12	120	4	Tr	2000	<30	9	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15040	7.5	0.9	150	7	90	900	-	9	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15041	3.4	3	700	40	120	700	-	9	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15042	4.5	12	7000	9	200	-	70	5	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15043	3.3	<0.1	90	4	200	300	-	7	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15044	2.1	0.3	70	5	200	200	40	5	(P)
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis											
	99.9	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis	99.9	A15045	1.4	<0.1	90	4	200	-	-	5	(P)

188.6m



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

Level 1887.1m  
X(E) 2481.1m  
Y(E) 1376.6m  
Direction 300°  
Inclination -70°  
Length 160.6m

MJKA - 15 100.0m - 160.6m

1/200

LITHO-LOG	DEPTH (m)	DESCRIPTORS	DEPTH (m)	SAMPLE #	ASSAY RESULT								LAB. TEST
					Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	
	101.2	30°	101.2-111.0	A15045	1.4	<0.1	90	4	200	-	-	5	S
	101.8	20°	101.8-102.2 f shear, slicken	A15046	1.7	0.12	300	4	150	-	-	5	100.7 mg Pr
			101.8-109.0 grn-gry-l-grn igneous texture remain Qz via 80° 0.1-0.5°	A15047	1.0	0.15	90	5	150	-	-	5	
				A15048	1.2	0.15	180	9	120	-	-	5	
	104.5	30°	104.5-105.0 slic Ca v 2mm	A15049	0.15	0.15	150	9	120	-	-	4	
				A15050	0.5	0.2	120	5	150	-	-	3	
				A15051	0.09	<0.1	90	5	120	-	-	3	S
	107.1	30°	107.1-108.0 sk=1°, brecc. ilmo	A15052	0.5	0.12	50	5	120	-	-	9	105.8 skd gd (md)
				A15053	0.9	<0.1	40	5	120	-	-	5	
	109.0	70°	109.0-111.0 wt-p-grn wht skd mdg gd	A15054	1.8	0.15	30	7	120	-	-	3	(T-X) 109.0 wht sk
			109.2-110.4 20-50 o.c.many	A15055	0.6	0.15	70	12	90	-	-	3	
	111.0	10°	O.C.	A15056	0.8	<0.1	120	20	90	-	-	9	S
			111.0-123.0 gdp (pl pheno...) many Qz via 40-70 250 common, w=0.1-1.5/cm, l-grn-wht sil along Cv	A15057	0.5	0.12	50	12	150	1500	-	4	111.0 wht sk
				A15058	1.8	0.3	50	30	30	200	-	40	S
				A15059	0.15	0.12	50	15	120	-	-	7	113.0 sil net
			115.5-119.3 crack ilmo	A15060	0.07	0.12	70	30	90	-	-	12	
				A15061	0.07	<0.1	70	20	50	-	-	12	
				A15062	0.12	0.12	30	15	120	-	-	5	
				A15063	0.5	0.12	90	30	40	-	-	12	
	119.0	10°		A15064	0.7	0.12	40	15	120	-	-	7	
				A15065	0.09	0.15	70	30	150	-	-	7	
				A15066	0.05	0.12	50	15	120	-	-	7	
				A15067	0.6	<0.1	20	30	40	-	-	9	
	123.0	50°	123.0-150.5 fresh mdg gd Asp-Qz-(Mo)-(Cp) viz 1mm/4cm	A15068	0.3	<0.1	90	12	90	150	-	3	S
				A15076	0.6	<0.3	50	15	40	150	-	9	123.0
	126.7	0°	O.C.										
	130.5	30°	sh=1°, slicken										
	131.3	40°	sh<1°, sandy-like										
	132.0	45°	slicken										
	133.3	30°	sh=0.3°, wht clay, slicken										
	134.3	50°	slicken										
			134.3-142.3 5-10 slickenside/m 40										
	137.2			A14048	0.6		30	20	50	500		13	
	138.0	30°	Sh=7, sandy-like										
	139.5	20°	sh=7, wht cly										
	142.3												
	145.6	25°	145.6-147.0 Bl-Qz-Hb Imp, fresh, mdg, l-gry no marginal facies (reaction rim)	A15077	0.6	0.3	50	12	50	120	-	12	(T) 145.6
	147.0	30°		A15078	0.7	0.3	70	15	70	120	30	9	(T) 147.0
	148.0	40°	148.0-148.5 gry fmg Imp, round Pl 1mm chilled marginea gry-grn aphyric w=2mmx2	A15079	0.6	<0.3	50	20	50	-	-	4	(T) 148.0
	148.5	45°		A15080	0.02	-	30	20	40	-	-	4	(T) 148.5
				A15081	0.07	<0.3	70	20	40	-	-	7	(T) 149.4
	150.0												
	150.6												

160.6m

GEOLOGIC CORE LOG OF MJKA - 16 (1/5)

Level 1856.8m Direction - 90°  
 X(N) 2373.7m (inclination -90°)  
 Y(E) 1334.0m Length 208.0m

MJKA-16 0.0 m - 50.0 m

LITHO- LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT							LAB TEST	
					Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)		Mo (ppm)
M													
	9.3	<40° rd-brn layer.(Cp dissem)	9.0										
M	11.2	<30° 11.2-11.4 rd-brn layer.(Cp dissem)	11.0	A18053	-	-	20	3	-	-	-	-	
			11.0	A18054	-	-	15	3	-	-	-	5	
			12.0	A18055	-	-	20	6	-	-	-	1.2	
M	17.05	17.05-17.4 Irregular rd-brn layer	17.3	A18001	-	<0.1	12	7	-	-	-	2	
M	19.55	<8° 19.55-20.0 O.C.	20.0										
M	20.5	<0° 20.5-20.65 Cp v, 1-2mm	21.0	A18056	0.012	-	120	4	-	-	-	2	
M	23.0	<58° 23.0-23.1 fng Asp v, 2-3 mm	22.0	A18057	0.012	-	20	3	-	-	-	1.2	
	23.85	<20° 23.8-24.85 Ga skd dike w/Cp v 1mm	22.8	A18058	0.012	-	20	<3	40	-	-	2	
	24.5	<60° 24.5-25.8 frac z #1-4cm fragmental core	23.8	A18059	0.012	<0.3	40	12	40	9000	<30	1.2	
	24.9	<60° 24.9-25.1 d-grn Px + brn Bt irregular cloud <5% (Cp,Po,Asdiss) >95% marble	24.3	A18002	0.03	0.9	400	7	40	-	-	15	
	24.9	<60° 24.9-25.1 d-grn Px + brn Bt irregular cloud <5% (Cp,Po,Asdiss) >95% marble	25.3	A18060	0.02	-	40	4	-	900	-	3	
M	27.2	<30° 27.2-27.9 grn skd dike, f-mdg,diortitic texture remain abundant fnd minor Ep rd-brn Ga v 0.5-2cm para (Cp spots),w=30cm	27.2										
			27.9	A18003	0.012	0.3	400	40	70	-	-	5	
M	29.4	<30° 29.4 O.C. limo	28.9	A18061	0.012	<0.3	150	4	30	-	-	1.2	
	29.8	<15° 29.8-30.05 brn Px-Ga skd dike,fng.(grn,Cu& Cp spots)	29.6	A18062	-	-	30	5	-	-	-	7	
	30.0	<4° 30.0-30.9 O.C.	30.1	A18004	0.5	0.9	500	3	120	-	-	-	
M	30.95	<45° 30.95-31.05 fng Asp v 1mm	31.1	A18063	0.012	-	20	5	-	-	-	2	
M	32.3	<10° 32.3-32.8 rd-brn cloud (Ga+Px),2cm (Cp dis)	32.3	A18064	-	<0.3	150	5	40	4000	-	1.5	
M	33.0	<30° 33.0-33.05 fng Cp<Po via 0.5 mm	33.3	A18005	0.04	0.12	<10	3	-	500	-	-	
	33.25	<0° 33.25-34.2 fng Px-Ga cloud 0.5-3cm, (Po bik mineral)	34.3	A18006	-	-	12	3	-	-	-	5	
M	35.9	<20° 35.9-37.3 fng grn-gry dike (Cp spots)	35.9										
	36.35	<20° Px-Ga skd <20° Ga via <60, 1-3mm	36.9	A18007	0.5	0.5	300	<3	150	-	-	1.5	
	37.3	<20° 37.3-37.9 fragmental core #1-4cm	37.3	A18008	0.05	0.3	150	<3	120	-	-	2	
M	38.1	<15-25° O.C. limo											
M	39.55	<70° 39.5-39.8 Ca big crystal	39.8										
	39.8	<25° 39.55 Asp-l brn Ga vl 2mm 39.8-40.7 fng grn-gry dike, less Ga vl (Bn via <1mm w/Cp) (270.3mm) many bik spots <1mm	40.6	A18009	-	0.15	50	<3	120	-	<30	1.2	
	40.7	<5-20° rd-brn sk stringers <1mm zone 40.7 O.C.											
M	44.6	<0° 44.6-45.3 fng Px-Ga skd dike, partly semitransparent; p-grn part (Bn via <1mm w/Cp) rd-brn Ga z 1-2cm along margin	44.6										
	45.3	<25° 48.3-96.4 20-40 open crack/2m	45.4	A18010	0.02	0.12	70	<3	30	-	-	2	
M	48.0	<10° 48.0-50.0 fng grn skd dike igneous texture 48.0-50.0 rd-brn Ga vl/3cm, <70 0.5cm	48.0	A18011	0.07	0.15	150	<3	90	-	<30	1.2	
	49.25	<70° 49.25-49.3 l-brn Ga v 4cm,Cp spots, <70° 49.25-50.2 l-brn Ga v >2cm,Cp spots, <0°	49.0	A18012	0.03	0.12	120	<3	200	-	-	1.2	
			50.0	A18013	0.2	0.9	500	5	150	-	-	1.5	

GEOLOGIC CORE LOG OF MJKA - 16 (2/5)

Level 1555.6m  
 X(N) 2373.7m  
 Y(E) 1386.0m  
 1/200  
 Direction -  
 Inclination -90°  
 Length 206.0m

MJKA - 16 50.0m - 100.0m

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT							LAB. TEST
					Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	
M	50.2	50.5-52.1 Ga vis few	50.0									
			51.0	A16014	0.015	0.12	90	4	150	-	-	7
		52.1-54.0 no Ga vis, l-grn skd, partly brn gry Bt imp remain	52.0	A16015	0.012	<0.1	50	5	150	-	-	9
			53.0	A16016	0.012	0.15	70	5	120	-	-	9
	54.0	54.0-54.15 Ca big crystall 54.03-54.12 fng Ga-Px 1cm 54.2-54.8 <10° O.C.	54.0	A16017	0.04	0.9	500	5	200	-	<30	5
M												
	62.1	62.1-62.3 l gry v 2mm & 3mm										
M												
	63.3	63.3-63.5 fng Ga-Px v, 0.4cm (w/Py?)										
M												
	75.8	75.8-76.1 p brn Ga vis, w=1mm/3cm										
M												
	77.1	77.1-78.3 p brn Ga vis, w=1mm/5cm										
M												
	92.4	92.4-92.6 p brn Ga v 1cm										
M												
	95.55	95.55-95.65 slicken, oblique										
M												
	98.25-104.3	< 30-60° open crack/1mm										

100.0m

GEOLOGIC CORE LOG OF MJKA - 16 (3/5)

Level 1888.6m Direction - 90°  
 (N) 1237.3m Inclination - 90°  
 V(E) 1336.0m Length 208.0m

MJKA - 16 100.0 m - 160.0 m

1/200

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT							LAB. TEST	
					Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)		Mo (ppm)
M	100		100										
M	102.7	90° 102.7 brn Ga v 2cm w/Mt	102.7										
	103.0	70-40° 102.8 brn Ga vs 1cm+1cm (irregular)	103.0	A16018	0.5	-	<10	-	-	-	-	1.2	
	103.8	104.8-105.1 Mt-Ga-Px skarn Px:big, euhedral	103.8	A16095	-	-	12	3	-	-	-	1.5	
	104.8	20° 104.9-105.0 Mt concentration	104.8	A16088	0.012	<0.3	20	5	30	-	-	1.2	
	105.2	30° 105.1-107.4 Mt/dise & vein like ~108.8m Px-Ga skarn, Mt-Ga:band 50 Ca pockets 1-3cm (w/Cp)	105.2	A16019	0.6	<0.1	50	4	150	-	-	1.2	
	106.8	80° 105.1-106.8 Mt concentration	106.8	A16020	1.6	<0.1	30	<3	150	-	-	1.5	
	106.8	80° 106.4-106.9 Mt-Ga-Px sk Ca v & spots 20-40° Ca v 20, 1-2mm/20cm	106.8	A16021	1.2	<0.1	90	-	150	-	-	1.5	
	107.4	30° 107.4-108.9 skd igneous rock (fng<1mm equigranular dioritic texture remain grn fwht Ga v & spots 20-40° Ca v 20, 1-2mm/20cm	107.4	A16022	0.7	0.12	90	12	120	-	-	2	
	108.4	60° 108.9-110.2 v fng Ga-Px sk, partly, csg gabbroic texture, v fng dk spots w/Cp dise (vein like)	108.4	A16023	0.05	0.15	70	4	90	-	-	12	
	109.4	40° 109.0-109.1 cream color vein 3cm 110.2-118.55 l-gry - vel wht argillized rock	109.4	A16024	0.5	0.5	300	3	120	-	-	5	
	110.2	40° 110.2-111.3 l gry yel wht, HCl-foaming, weak sh	110.2	A16025	0.7	0.5	700	5	90	-	-	11.3	
	111.3	20° 111.3-111.55 sh=3cm	111.3	A16026	0.8	0.2	400	5	150	-	-	30	
	111.9	40° 111.55-112.7 p grn-wht, fissility, talc-like surface H=	111.9	A16027	1.8	1.5	1200	4	300	120	500	7	
	112.8	45° 111.9-112.7 p grn-wht, fissility, talc-like surface H=	112.0	A16028	0.6	-	20	4	40	-	-	12	
	113.8	20° 112.1 shear >2cm	113.0	A16029	0.7	0.12	120	4	90	-	-	30	
	114.1	30° 112.8-113.5 gry-wht, fissility	113.9	A16030	0.05	-	15	4	40	-	-	30	
	115.1	30° 113.8-114.2 gry-wht, fissility	114.0	A16031	0.09	<0.1	15	3	30	-	-	20	
	115.5	45° 114.1 wht gouge 2mm (shear centre)	115.0	A16032	0.04	<0.1	12	<3	-	-	-	12	
	115.9	45° 115.0 gouge 1mm	116.0	A16033	0.05	0.15	30	3	30	150	-	20	
	117.7	60° 115.9 gouge 1mm	117.0	A16034	0.5	-	30	<3	30	300	-	20	
	118.0	30° cataclastic (solidified) shear	118.0	A16035	1.0	<0.1	30	3	30	-	-	15	
	118.55	45° 118.0-118.3 fissility, talc like (can be scratched with nail)	118.0	A16036	0.9	<0.1	30	7	-	-	-	15	
	119.1	60° 118.55-122.75 gry-grn skd, w/Ca vis ± 1mm	119.0	A16037	0.09	<0.1	30	5	30	-	-	15	
	120.0	40° Ca v 1mm Csg heterogeneous texture-gabbro	120.0	A16038	0.03	<0.1	12	5	40	-	-	20	
	120.6	30° Ca v 0.5cm, f(separation normal 2 cm)	121.0	A16039	0.6	-	<10	5	50	-	-	15	
	122.55	45° 120.6 Ca v 2mm, slicken	122.0	A16040	0.05	<0.1	12	12	30	-	-	15	
	122.75	45° 121.8-122.55 l gry-grn finer grain heterogenous texture (fng gd tic)	123.0	A16041	0.8	0.12	30	12	40	-	-	15	
	123.5	45° wk shear zone 6cm 122.75-140.1 gdr porphyritic:Pl 5mm rectangular l gry-grn alt-parallel Asp-Qz-(Cp) vs in fresh gd w/Asp spots & minor fng Cp diss along fissure slick	124.0	A16042	0.6	0.2	70	15	40	1200	-	30	
	124.4	45° 122.75-139.55 Asp-Qz v ± 1mm, max 3mm 1-2 v/m (not included fine vis) slick	125.0	A16043	0.9	0.12	15	7	40	-	-	12	
	125.5	0-30° 125.5 Qz v 3mm w/Asp & fng Cp, a branch of the Qz v at 125.0m	126.0	A16044	2.2	0.4	30	15	30	1200	-	9	
	127.0	20° 125.0-126.8 Qz v 3mm w/Asp spots both sides of Qz v (total 1cm) all (gry-grn wht)	127.0	A16045	0.15	<0.1	30	15	50	1200	-	15	
	129.3	40° 127.0-130.3 l gry-grn alt gd, wk sheared	128.0	A16046	1.5	<0.1	30	15	40	900	-	15	
	130.2	40° 129.3 Qz-Ca vis zone 1.5cm w/fng Asp+fng Cp	129.0	A16047	0.2	<0.1	30	12	50	700	-	12	
	130.7	40° 130.2 Asp-Ca v 0.5cm w/Cp stringer	130.0	A16048	0.5	<0.1	20	12	30	500	-	4	
	131.9	40° 130.7 all v 0.5cm	131.0	A16049	0.8	<0.1	40	20	40	900	-	12	
	133.7	50° 131.9 l gry-grn-wht all v 2cm	132.0	A16050	0.04	<0.3	40	15	90	120	-	12	
	134.4	60° 133.7 all v 1cm	133.0	A16051	0.5	<0.3	150	15	70	300	-	30	
	134.9	60° 133.8-134.4 l grn-gry-wht, wk sheared all v 1cm	134.0	A16052	0.3	<0.3	30	20	90	-	-	9	
	135.0	40° 134.9 gry-grn v 1cm w/Asp-Cp flm	135.0	A16057	0.2	<0.3	90	20	40	2000	-	12	
	136.7	40° 135.0 Asp-Qz v 1 mm, gry-grn alt (hanghg side 5cm, foot side 10cm)	136.0	A16058	0.6	<0.3	40	12	40	200	-	9	
	137.5	40° 136.7-137.55 l gry-grn alt gd Qz vis 1mm/ 14cm, 20°	137.0	A16059	0.8	<0.3	70	20	30	900	-	20	
	138.5	40° 137.5-137.65 Asp spots w/fng Cp diss zone	138.0	A16070	0.5	-	40	15	40	120	-	7	
	140.1	0.5° 138.5 0.5°	138.0	A16071	0.5	<0.3	70	15	40	900	-	12	
	141.6	40° 140.1-144.0 fresh gd <40 Qz (all) v 1mm/4cm	140.0	A16072	1.4	<0.3	90	15	30	400	-	30	
	141.8	40° 141.6 Asp spots - Qz v 2cm	141.0	A16073	0.5	<0.3	40	15	40	200	-	12	
	144.0	40° 142.0 141.8 Asp spots - Qz v 2cm	142.0	A16074	0.5	<0.3	40	20	40	700	-	15	
	144.0	40° 143.0 144.0-146.45 l gry-grn alteration v zone parallel, gd: fresh	143.0	A16075	0.12	<0.3	50	20	40	200	-	12	
	145.8	45° 144.0-146.45 l gry-grn alteration v zone parallel, gd: fresh	144.0	A16076	0.7	<0.3	50	15	40	1200	-	40	
	146.7	40° 145.8 Qz -Asp 2mm	145.0	A16077	4.5	2	150	20	30	1200	160	70	
	148.45	45° 146.7 f cft-rateral sh=Qz 2cm	146.0	A16078	1.1	-	150	15	30	400	-	15	
	148.8	45° 147.0 148.45 f gouge 3cm, wht clay, Qz v 1cm (hanging side) w/Asp	147.0	A16079	6.8	<0.3	120	15	40	1500	-	15	
	149.8	45° 148.45-153.0 grn-wht alt rock	148.0	A16080	1.0	<0.3	120	12	50	700	-	12	
	150.0	45° 148.8-149.8 sheared, wht alt	149.0	A16081	0.8	<0.3	50	12	30	1500	-	15	
	150.0	45° 149.8 150.0	150.0	A16082	0.12	-	50	12	120	500	-	9	

GEOLOGIC CORE LOG OF MJKA - 16 (4/6)

1/200  
 Level 1889.6m Direction -  
 X(N) 2373.7m Inclination -90°  
 Y(E) 1388.0m Length 208.0m

MJKA - 16 150.0m - 200.0

LITHO-LOG	DEPTH (m)	DIP	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT							LAB. TEST								
						Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)		Mo (ppm)							
	150.4	30°	Ca, 1cm, dr, slick, shear plain <70-80° w/wht clay 1mm-1.5cm/every 5-10 cm	150.4																	
	151.0	30°	Ca, 2cm	151.0	A16083	0.3	-	70	5	-	300	-	9								
	152.7	45°	152.7-153.0 shear zone, f brecc w/Asp-Ca-Qz v, 0.2-1cm, shear blk	152.0	A16084	1.1	-	50	5	-	700	-	30								
	153.0		153.0-156.8 wk sheared with d-grn cataclasite v: Fld untransparent wht alt	153.0	A16085	0.5	<0.3	70	15	40	3000	-	9								
	155.4	60°	155.4 shear - brecciated & solidified, grn																		
	155.6	45°	155.6 shear-brecciated & solidified, grn net 4cm																		
	155.9		155.9 grn cataclasite v 2cm																		
	156.8	20°	156.8-161.3 <40° all max 4cm or Q v zone																		
	156.8		156.8 sill v 2cm																		
	157.4-157.8		157.4-157.8 wk sill z, l-gry																		
	159.7	40°	159.7 Asp-Qz v 0.5cm	159.0																	
	160.0		Asp spots Qz v 0.5cm	160.0	A16086	0.12	<0.3	70	12	40	200	-	15								
	161.3	40°	161.3- Qz vis.....	161.0	A16087	0.2	<0.3	90	15	50	150	-	12								
	162.7	40°	Asp-Qz v 2mm	162.0	A16088	0.9	<0.3	90	15	30	300	-	30								
	164.1	10°	bright grn v 2mm	163.0	A16089	0.12	<0.3	120	15	30	150	<30	9								
	166.3	30°	Asp-Qz -(Cp) 0.5°	166.0																	
	167.3	20°	wht granule spltite	167.0	A16090	0.09	-	90	20	40	-	-	12								
	167.3		Asp-Qz v 0.5cm cut by 1cm Ca v <10°	167.0																	
	168.3	40°	slick	168.0	A16091	0.5	<0.3	90	20	-	1500	-	12								
	169.5	10°	spltite: granule Qz>>Fld w/Qz v <40°/Py																		
	170.0	40°	slick																		
	170.5	50°	Qz v 1cm																		
	170.8	50,33°	Asp-Qz v 2 mm cuts (<30) Qz barren v 4mm (<50°)	170.4																	
	171.0			171.4	A16092	0.3	-	90	12	-	120	-	12								
	173.4	10-30°	slick wht gouge																		
	174.5	40-30°	Qz-bright grn mineral v 0.5°																		
	176.2			175.0																	
	177.2	30°	slick	176.0	A16093	0.02	-	90	9	30	-	-	9								
	178.5	10°	shear																		
	178.8	40°	178.8-179.0 wh shear & grn-gry alt																		
	180.1	70°	gry-grn sill v 1cm																		
	188.8	30°	Asp-Qz v 1mm	188.6																	
	189.3	40°	Asp-Qz v 1cm	189.6	A16094	0.2	<0.3	30	15	40	400	-	12								
	190.3			190.6	A16095	0.012	-	50	12	40	-	-	9								
	196.0	10°	slick																		
	197.6	30°	slick gouge 1mm																		
	198.3	40°	Asp aggregate w/Py? Qz v 1.5 cm	198.0																	
				199.0	A16096	0.03	-	70	15	30	5000	-	15								

200.0 m





GEOLOGIC CORE LOG OF MJKA - 17 (2/4)

Level 1858.6m Direction 300°  
 X(N) 2373.7m Inclination -50°  
 Y(E) 1338.0m Length 161.0m

MJKA - 17 50.m - 100.0m

LITHO-LOGGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT							LAB TEST
					Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	
	50.3	rd-brn sk zone 3°										
M	51.8	rd-brn sk 5°										
	52.8	rd-brn sk 2mm										
M	54.2	gry-rd-brn sk zone										
M	54.7											
M	55.7	rd-brn sk vis zone, each vl=1mm										
M	58.0											
M	57.2	gry sk zone 4°										
M	58.2	57.3-58.2 rd-brn sk vis zone, each vl 1-3 mm										
M	60.0	l-gry sk zone 2°										
	62.9	60-30° Cp spots on the 60 plane	62.4									
M	63.8	rd-brn sk zone 1°	63.4	A17035	-	-	15	<3	-	-	-	1.2
M	64.3	64.3-65.4 0 O.C.	64.4	A17036	-	-	30	<3	-	-	-	-
M	65.2	70°	65.4	A17037	-	3	50	4	-	-	-	-
M	66.4	l-grn-gry sk vis ±1mm z.										
*	66.4	66.4-66.7 Big Px-Ca sk, upper side Py-Mt vein 0.5°	66.4	A17038	0.015	-	30	<3	-	-	-	-
*	66.8	66.45 brn-ylt aphyric vein 5° 45 brecc texture fresh part wht	66.8	A17006	0.6	<0.1	40	3	200	200	-	2
*	66.8	66.8-68.7 Ga sk, mdg, zone Qz-Px-Mt pockets										
*	68.4	Ca v 1mm both sides zone 60 1mm Q vis 1.5cm total 1cm brn red	67.6	A17007	9.9	0.15	90	<3	120	-	-	1.2
*	68.7	68.7-69.4 mdg Px sk Qz pockets	68.7	A17008	6.6	0.15	90	<3	150	-	-	-
*	69.2	69.2-69.4 rd-brn fng Px-Ga sk <40-60	69.4	A17009	6.7	0.15	150	4	400	-	-	-
*	69.4	69.4-76.0 mdg Ga-Px-Fld sk Fld: cag, pinkish Ga, Px, Fld heterogeneous	70.4	A17010	0.7	-	30	5	120	-	-	3
*	69.8	69.8-69.9 d-gry fng imp? fragment remain	71.4	A17011	0.4	0.2	20	7	200	-	-	4
	71.6	71.6-72.1 } mdg Ga dominant	72.4	A17012	0.15	-	30	3	300	-	-	2
	72.1	74.0-74.6 }	73.4	A17013	0.07	<0.1	30	9	200	-	-	5
	73.7	73.7-76.0 finer grains, less Ga, mostly Px & Fld	74.4	A17014	0.6	-	20	3	150	-	-	3
	74.3		74.8	A17015	0.5	-	70	<3	500	-	-	3
	74.6		75.2	A17016	0.5	<0.1	15	<3	120	-	-	2
	75.2		76.0	A17017	<0.5	0.12	50	5	150	-	-	3
	75.9	<75.9-76.1 fng equigranular grn min. changes fng part & cag part	77.0	A17018	0.5	<0.1	70	9	120	-	-	3
	76.0	76.0-76.6 cag texture remain	78.0	A17019	1.0	<0.1	70	20	70	300	-	7
	76.6	76.0-77.0 grn spots, cag sk texture remain	79.0	A17020	0.12	<0.1	40	30	90	300	-	12
	77.0	77.0-85.0 f-mdg gdp texture partly remain	80.0	A17021	0.15	0.2	120	15	120	1200	-	7
	78.0	76.0-76.6 ± 60 Ca-Qz v 0.5-2° 10	81.0	A17022	0.15	0.12	70	30	200	900	-	7
	78.0	78.0-77.0 shear z. brecc. gry clay along slicken side	82.0	A17023	0.6	0.15	90	20	120	1500	-	7
	79.4	79.4 blk fng sulphide net	83.0	A17024	<0.5	0.12	50	30	50	150	-	5
	79.9	79.9-85.1 Qz vis with blk fng sulphide 8/m	84.0	A17025	0.7	0.2	90	12	40	400	-	7
	80.1	79.9 slicken	85.1	A17026	0.7	0.2	200	9	120	-	-	30
	80.1	80.1 shear z. 5°	86.0	A17027	0.15	<0.1	70	15	50	400	-	7
	81.3	81.3-81.9 slicken	87.0	A17028	0.5	-	15	20	30	-	-	9
	81.9	81.9-82.4 slicken	88.0	A17029	0.7	0.12	70	15	30	700	-	9
	82.4	82.4 Asp - Qz - Prh v 3 mm	89.0	A17039	0.5	-	15	5	-	150	-	-
	83.1	83.1 shear z. 5°	90.0	A17040	0.09	<0.3	12	9	30	300	-	1.2
	83.6	83.6 shear z. 1° wht clay	91.0	A17041	0.4	-	12	4	-	-	-	3
	84.2	84.2 shear z. 0.5° gry arg										
	84.9	84.9 shear z. 2°										
	85.1	85.1- fresh gdr, rectangular pl ±5mm										
	87.8	87.8-94.5 crack, ilmo										
	90.2	90.2-90.4 l-gry gm fng aphyric dike. gdp contact: no reaction										
	97.7	97.7 shear, brecc, wht clay w=?										
	99.5	99.5 Qz-Asp v. 1mm	99.2									
	100.0		100.2	A17042	0.6	<0.3	40	9	-	200	-	2



GEOLOGIC CORE LOG OF MJKA - 17 (3/4)

Level 1889.0m Direction 300°  
 Y(N) 2373.7m Inclinien -60°  
 Y(E) 1338.0m Length 181.0m

MJKA - 17 100.m - 150.0m

LITHOLOGY	DEPTH (m)	DESCRIPTORS	DEPTH (m)	SAMPLE #	ASSAY RESULT								LAB. TEST		
					Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)			
	100.4	50° shear, wht clay, Qz-Asp v 1mm	100.4												
	100.7	70° 100.7-100.85 brk. wht & gry clay z. blk sulphide	100.7												
	101.1	70° sulphide via	101.1	A17030	0.7	<0.1	15	12	30	5000	-	15			
		70° 101.1 Qz-Asp-(Py? Or Cp) v, 2"													
	102.5	70° Aap-(Py or Cp) stringer 1mm	102.2	A17031	0.7	<0.1	70	18	50	3000	-	12			
			103.2	A17032	1.1	<0.1	50	15	50	4000	-	9			
			104.2	A17043	0.5	-	20	7	-	500	-	2			
	106.6	50° 106.6-107.2 wht. Qz-Asp(Px or Cp) v 1mm	106.0												
	106.8	50° slicken, weak brcc crack z 2"	107.0	A17044	0.4	<0.3	50	20	30	500	-	4			
	107.2	30° grn fine net													
	107.5	50° <107.5-127.3 fresh gdp. similar MJKA-16 180.1-190.2	108.0	A17045	0.4	-	150	9	-	300	<0.3	-			
	108.5	70° grn fine net	109.0	A17048	0.09	-	30	5	30	120	-	2			
	109.5	70° grn Qz v 2mm													
	115.8	10°-0 slicken little gry (Asp) & Py or Cp? diaseen along the fissure	115.0	A17047	0.09	<0.3	70	9	40	-	-	7			
		45° Asp - Cp - Qz vl -1mm	116.0	A17048	0.2	<0.3	70	12	30	150	-	5			
			117.0	A17049	0.05	<0.3	30	5	30	150	-	5			
			118.0	A17050	0.3	<0.3	300	30	50	-	-	5			
			119.0	A17051	0.2	<0.3	20	7	30	-	-	3			
	120.0	90° Asp - Cp - Qz vl -1mm	120.0	A17052	0.09	<0.3	30	7	40	500	-	5	S		
	121.0	80° Asp - Qz vl -1mm	121.0	A17053	0.03	-	50	9	-	-	-	3	S	120.0 Asp-Cp-Qz	
			122.0	A17054	0.4	<0.3	70	12	50	200	-	12			
	126.8	30° 126.8 <30° whtz w=10°	128.0												
		127.3 - 134.3 fresh transparent gry gdp													
	128.8	60° Po - Mt? -Qz 3mm	129.0	A17055	0.3	<0.3	120	20	30	200	-	5	F	128.8 Po-Asp-Py-Qz	
			130.0	A17056	0.15	<0.3	50	12	30	200	-	5			
	131.3	50° Py? Asp (fng Po color, non magnetic) >> Cp v. 1mm +2mm	131.3	A17057	0.07	<0.3	30	15	30	500	-	4	S	131.3 Asp-Cp	
	132.3	80° Qz - Prh - Asp v. 2mm	132.0	A17058	0.09	<0.3	70	15	70	3000	<0.3	4			
	132.4	80° Qz - Asp - Cp v. 0.5mm	133.0	A17059	0.012	-	20	12	70	200	-	5			
	134.3-138.0	arg. (all)													
	135.0	20° slicken													
	135.8	80° l-gry-grn sil (same as 76-77m)													
	135.9	80° slick, wht clay, w=7													
	136.55	70° 136.5 Qv 0.5° slicken													
	136.6	50° slicken													
		40°-80°													
	138.0-142.9	fresh gry gdp													
	138.8	40° 138.8-141.0 ± 40 slicken 4/m													
	140.6	80° Qz - Px - Cp v. 1mm	140.0												
	141.0		141.0	A17060	0.05	-	70	9	30	-	-	3			
	142.7		142.7 - 151.1, fresh, fld slightly wht												
	144.9	80° Py - Qz v. 1mm	145.0	A17081	0.5	-	70	9	30	200	-	5	S	120.0 Asp-Cp-Qz	
	146.95	blk porph imp 5°	146.0	A17082	0.02	-	30	12	30	150	-	9			
	146.9	sand ilke	147.0	A17083	-	-	50	15	40	120	-	5			
	148.3		148.0	A17084	0.02	-	120	16	30	150	-	3			
	148.8	20° slicken	149.0	A17085	0.07	-	90	15	30	120	-	5			
	149.1	30,20° slicken, wht powder	150.0	A17086	0.012	<0.3	70	15	50	-	-	5			





GEOLOGIC CORE LOG OF MJKA - 18 (2/3)

Level 1864.2m Direction 109°  
 X(N) 2880.4m Inclinaton 0°  
 Y(E) 1282.3m Length 180.4m

MJKA - 18 80.0 m - 100.0 m

LITHO-LOGGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No	ASSAY RESULTS								LAB. TEST	
					Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)		
	50.4	50.4-50.8 fissure $\angle 20^\circ$												
	50.8	50.8-51.2 w=2cm mdg gr (or anorthosite)												
	51.3	sh=0.5" vein												
	51.5	40°-30° sheared z 51.5-52.2, gm clay, 1mm												
	52.4	52.4-52.8 $\angle 30^\circ$ , $\angle 50^\circ$ shear z												
	52.8													
	53.0													
	53.5	gry-grn fng alt v 0.5"												
	54.0	40°-30° silic												
	54.4	54.3-54.4 gry-grn fng												
	55.0	Qz Fld v 1" alt gb 54.4-54.2 fng Bt gr (anorthosite) dike											gd PVT 55.0	
	55.3	55.2-55.3 Hb gdp dike w=7cm gb inclusion												
	55.5	gdp vein 2cm												
	56.2	56.2-56.4 csg Fld (brn Bt Px) skd gb vein												
	57.3	57.3-57.5 gb (mafic) fng gr (anorthosite) dike												
	57.5	silic Q v 0.5"												
	58.5	gdp												
	59.2	Pl max 2 cm Q v 0.5 cm includes d-gry spots (gr 0.5") v fng Px (Cp) Q v 0.5"												
	60.6	Q v alt z 4 cm center 0.5" sheared Q v												
	60.8	60.8-61.0 mdg gd ?												
	61.0	Q v 3 mm												
	61.5													
	62.2	Aplitic v 0.3"												
	63.2													
	63.7	63.2 mdg gd w=5"												
	63.9	gm clay 2mm gm clay 2mm granule brecc												
	64.7	shear z 1" Ca v 1mm												
	65.1	brecc z 2" Ca net, shear shear, Ca v												
	65.3	Aplitic, 3mm												
	65.7	65.1-65.7 mdg gd (upper part- 10cm ~66.2)												
	66.2	66.2-66.7 Aplite												
	67.4	silic												
	67.5	silic												
	69.5	Qz-Asp (minor Cp dls) v 1cm sheared Qv 1cm-Asp, shear 3mm mdg gr (gd) 20cm mafic	69.5											
	70.5		70.5	A18057	1.3	<0.3	40	12	30	4000	-	7	70.5 mdg Asp	
	71.2	71.2-71.3												
	72.0	71.2-71.3 mdg gr (gd) v 3cm Qz-mz-d, mafic -> grn 72.5-72.6												
	73.0													
	73.3	silic 73.0-73.5 (Qz Px)												
	73.7	silic l-grn v 2m 73.3-73.9												
	73.9	l-grn vls 1-2mm												
	74.5	l-grn vls 1-3mm												
	74.6	l-gry-grn, partly rd-bm sil-Qz v 5cm												
	75.3	Q-mzd v 4cm												
	75.3	silic 75.3-76.9 Qz-mzd mafic >12grn vs												
	76.0	Asp v 25mm												
	76.1	76.0-76.6 $\angle 30^\circ$ $\angle 20^\circ$ shear z (gm vls)												
	76.9	76.6-76.25 $\angle 45^\circ$ d-gry or Qz vls												
	77.3	77.3-78.4 Qz-mzd mafic-grn												
	77.9	77.45-77.50 aplitic dike												
	77.9	77.6-78.3 $\angle 20^\circ$ l-grn v 1mm												
	78.4													
	78.7	78.7-79.0 sheared Qz-mz dl dike												
	79.0	79.1 shear grn 3mm												
	80.0	silic												
	80.0	80.0-80.15 Qv wht grn shear												
	80.15	80.15-80.3 $\angle 10^\circ$ shear & gry-grn sil												
	80.7	80.3-80.7 $\angle 30^\circ$ shear z, small Q lenses (mg gry mineral (Asp))												
	81.2	80.7-81.2 gry-grn sil, Q vls ( $\angle 20^\circ$ - $\angle 30^\circ$ ) z (mg gry mineral (Asp))												
	81.8	81.9 $\angle 20^\circ$ l-grn sk v 2cm $\angle 20^\circ$ Ga-Q v cut sk v												
	82.2	Q v 3mm $\angle 80^\circ$ Q v 0.5cm-sk v												
	82.8	82.8-83.8 $\angle 30^\circ$ - $\angle 60^\circ$ Q vls & shear												
	83.8													
	84.0	84.0 Q vls v 2cm, (Py) w/purpl-red Qz												
	84.2	84.2 Q v 2cm-Q vls 22cm												
	84.5	84.5 Asp-Qz v 1mm, shear, Q v 2cm w/Asp												
	85.1	85.1-85.1 Asp-Qz v 1mm												
	85.1	85.1-85.5 l-grn sk vls ( $\angle 10^\circ$ cuts $40^\circ$ , $30^\circ$ )												
	86.1	86.1-86.6 $\angle 30^\circ$ - $\angle 40^\circ$ l-grn sk vls 1mm-(1cm)many												
	87.0	87.0-92.1 p-gry-grn skd gb												
	87.2	87.2-87.4 skd gd (mdg) vein p-grn-wht aphyric halo 2cm												
	87.2	87.2 Asp-Qz v 1mm												
	88.4	Asp spots-Qz v 0.5 cm												
	88.4	Asp spots-Qz v 2mm												
	88.4	Asp-Qz v 1mm												
	88.9	88.9 gd (skd) v 1cm												
	89.3	89.3 sil or gd v 1 cm												
	89.3	89.3 skd gd v 1 cm												
	90.9	Q v 1mm shear 2cm												
	91.1	1mm												
	91.1	1mm												
	91.6													
	92.1	$\angle 20^\circ$ sk v l-gm 2mm												
	92.7													
	92.9	92.7-93.9 P-gry-grn skd gb												
	93.4	Q-d gm Px v 1mm												
	93.9	93.9-94.1 gdp $\phi$ Pl 1.5cm, (no skd)												
	94.1	94.4-95.8 $\angle 30^\circ$ , $40^\circ$ , $60^\circ$ , $0^\circ$ Q z vls (l-grn z) 1mm												
	94.6	& Qz spots, weak skd												
	94.6	94.6 Asp-Qz v 1mm-0.5cm (brecc gry-grn sil gb)												
	95.1	95.1-95.4 sil-Qz v zone Py-Asp neta ( $\angle 60^\circ$ )												
	95.4	upper wall side 3cm & lower wall side												
	95.8	0.5cm 95.8-97.2 csg skd gb												
	95.8	5cm yell-wht												
	97.2	97.2-97.9 mdg gry wk skd gb												
	97.2	$\angle 30^\circ$ $\angle 40^\circ$ Qz vls 1mm												
	97.9	97.9-98.2 gry-wht bre all z w/Py Asp												
	98.2	98.2-98.3 l gry-grn skd-sil (Qz net) mdg gb												
	98.8	Py-Asp-Qz v 2cm 98.3-98.5 brecc-all p-grn z Asp												
	98.8	Qz v 0.5cm 98.5-98.8 p grn-wht all gb 98.7-98.8 w=7cm												
	98.8	98.8-fng Qz-Px sk (gb texture) l-gry-wht sil												
	99.3	99.3-101.4 gdp												
	99.4	Q=2cm $\phi$ Pl 2cm max												
	100.0													

100.0 m

100

