

Appendix 4 Microscopic Observations of the Polished Thin Sections of the Ore

No.	Drillhole	Depth(m)	Sample name	Ore minerals													Gangue minerals													Au grade									
				El	Td	Cp	Bn	Cc	Sp	Py	Mc	Asp	Po	Mt	Ilm	Chr	Bi-Te	Ga	Cpx	Pl	Kf	Qz	Bt	Se	Ch	Cal	Sph	Hb	Ms	Tm	Ve	(g/t)	(m)						
1	MJKA-14	104.2	Py-Mt ore in Cpx-Ga skarn								.				Δ				⊙	○		.		Δ	.		.									1.1	1.2		
2	MJKA-14	125.5	Py-Cp-Qz vein in Cpx skarn			.					.								⊙	○		○		Δ	.	.	Δ									4.4	0.9		
3	MJKA-15	72.6	Hb-Cpx skarn												.				○			○				⊙										4.0	1.0		
4	MJKA-15	78.3	Cp-Mt ore in Px skarn	.	.	.													⊙			○		.	Δ	.										28.7	0.9		
5	MJKA-15	79.7	Py-Cp-Mt ore in Cpx skarn			Δ			.	.	.				Δ				⊙	⊙		.			Δ		Δ									1.5	1.2		
6	MJKA-15	95.4	Py ore in Cpx-Ga skarn			.				.	.								⊙	○		.		.	Δ	.										7.5	0.7		
7	MJKA-15	97.2	Asp-Cp-Qz vein in skarnized rock	.		.				.									⊙	.		○		.		Δ	.									4.5	1.0		
8	MJKA-15	100.1	Asp-Cal vein in Cpx skarn			.						.	.						⊙	.		Δ	.	.	○	Δ	.									1.4	1.0		
9	MJKA-16	106.8	Cp-Mt ore in Cpx skarn			.									.				⊙			.			.		Δ										1.2	0.8	
10	MJKA-16	111.3	Py ore in brecciated silicified rock			.				Δ											⊙		.		⊙											1.6	0.3		
11	MJKA-16	125.6	Asp-Py-Qz vein in granodiorite porphyry							.					.					⊙	○	⊙	Δ	Δ		○										2.2	1.0		
12	MJKA-17	68.2	Mt ore in Cpx-Ga skarn			.									Δ				⊙	Δ		.			Δ	.											6.6	0.9	
13	MJKA-17	69.1	Cp-Qz vein in Ga-Cpx skarn			.				.					.				Δ	⊙		⊙			Δ		Δ	.								6.7	0.7		
14	MJKA-17	131.3	Asp vein in granodiorite porphyry		.	.				Δ			○							○	.	⊙	Δ	○		Δ										2.8	0.2		
15	MJKA-18	97.9	Py-Qz-Cal vein in brecciated silicified rock							○	.									Δ		○	.		⊙												0.09	1.0	
16	MJKA-18	116.7	Cp ore in Ga-Cpx skarn	.	.	Δ	.												○	⊙		.			Δ	.											0.09	0.35	
17	MJKA-18	116.8	Cp ore in Hb-Cpx skarn	.		○				.					Δ				○	○			Δ			○		○									0.4	0.85	
18	MJKA-18	116.9	Cp ore in Cpx-Ga skarn			.									.				⊙	○		.			Δ	.		Δ										0.4	0.85

No.	Sample no.	Sample name	Ore minerals													Gangue minerals													Au grade										
			El	Td	Cp	Bn	Cc	Sp	Py	Mc	Asp	Po	Mt	Ilm	Chr	Bi-Te	Ga	Cpx	Pl	Kf	Qz	Bt	Se	Ch	Cal	Sph	Hb	Ms	Tm	Ve	(g/t)	(m)							
1	1930C5-15.5F(1)	Cp ore in Cpx skarn	.		⊙					.									⊙			.			Δ												185.5	0.2	
2	1930C5-16Fa	Cp ore in Cpx-Ga skarn	.		Δ													⊙	○	Δ		.			Δ		○										31.5	0.2	
3	1930C5-16Fb	El-Cp ore in Cpx skarn	.		○										Δ				⊙			Δ			○		.										43.3	0.3	
4	1930C5-17F	Py-Cp ore in Cpx skarn			⊙					Δ												Δ			○												4.5	0.2	
5	1930C6-17.6FL	Asp-Cp-Py ore in Cpx skarn			Δ			.	Δ		○								○			Δ			⊙		Δ										1.0	1.0	
6	1930C6-126F	Py-Cp ore in Cpx skarn			Δ			.	.									.	○			Δ		○	⊙		Δ	⊙	Δ								1.4	0.5	
7	1930C6-131.5FLb	Cp ore in Cpx skarn			○	○	⊙					⊙													17.8	0.6	
8	No.5 ore body	Cp ore in Hb skarn			Δ				○		○		⊙												

- | | | | |
|----------------------|--------------------|-----------------|------------------|
| Asp: Arsenopyrite | Chr: Chrysocolla | Kf: K-feldspar | Qz: Quartz |
| Bn: Bornite | Cp: Chalcopyrite | Mc: Marcasite | Sp: Sphalerite |
| Bi-Te: Bi-Te mineral | Cpx: Clinopyroxene | Ms: Muscovite | Sph: Sphene |
| Bt: Biotite | El: Electrum | Mt: Magnetite | Td: Tetrahedrite |
| Cal: Calcite | Ga: Garnet | Pl: Plagioclase | Tm: tourmaline |
| Cc: Chalcocite | Hb: Hornblende | Po: Pyrrhotite | Ve: Vesuvianite |
| Ch: Chlorite | Ilm: Ilmenite | Py: Pyrite | |

Sample number : C5(sideirack tunnel I),C6(cross cut tunnerl I

R(Right wall), L(Left wall), F(Face), FR(Right hand on a Face), FL(Left hand on a Face), C(Roof)

numerical figures in a sample number show the distance from the starting point in each tunnel segments.

Au grade : The grades show the assay results of channel samples which include the specimens for the polished thin sections.

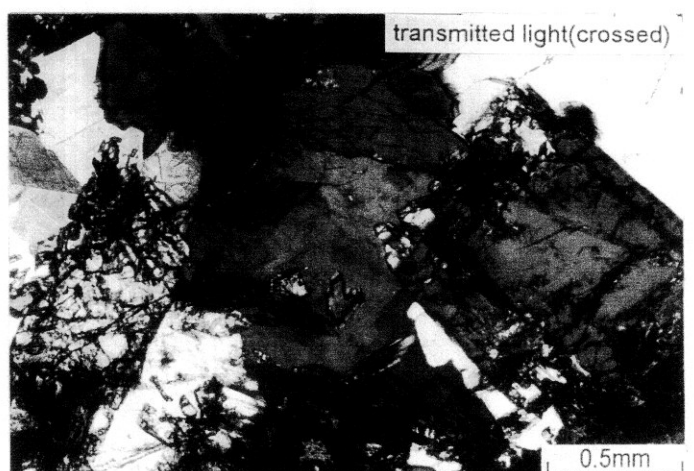
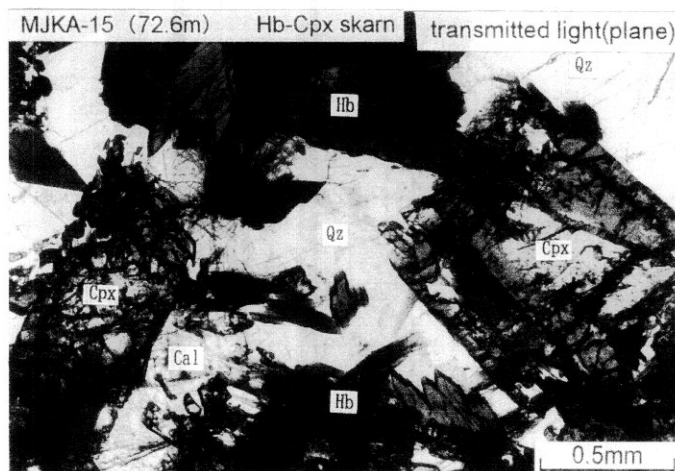
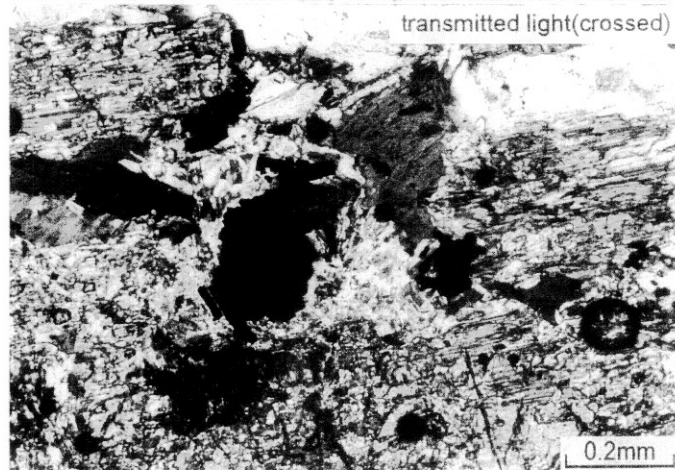
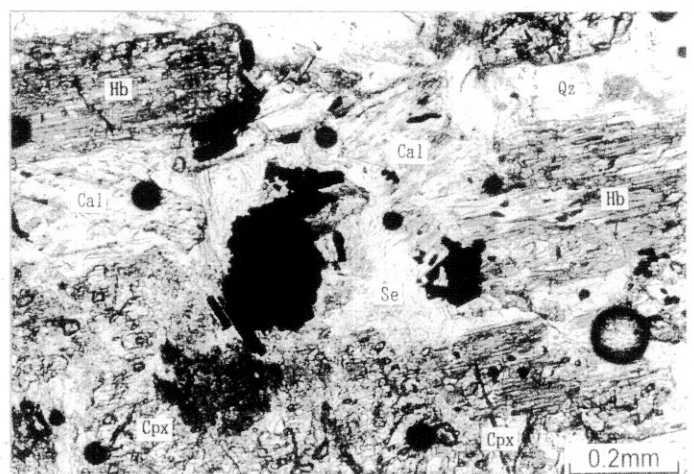
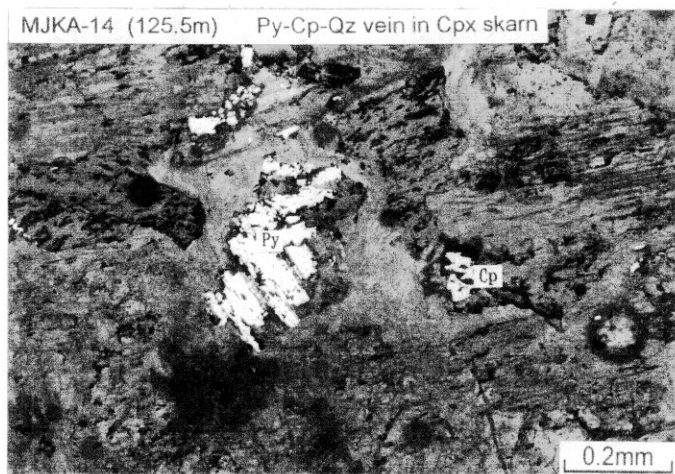
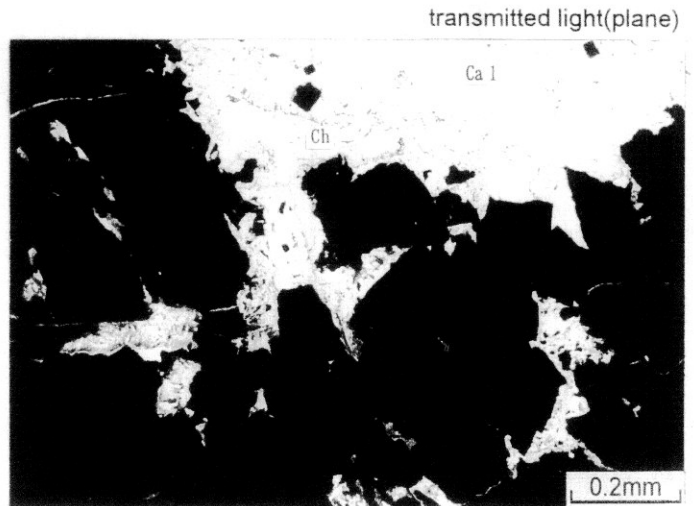
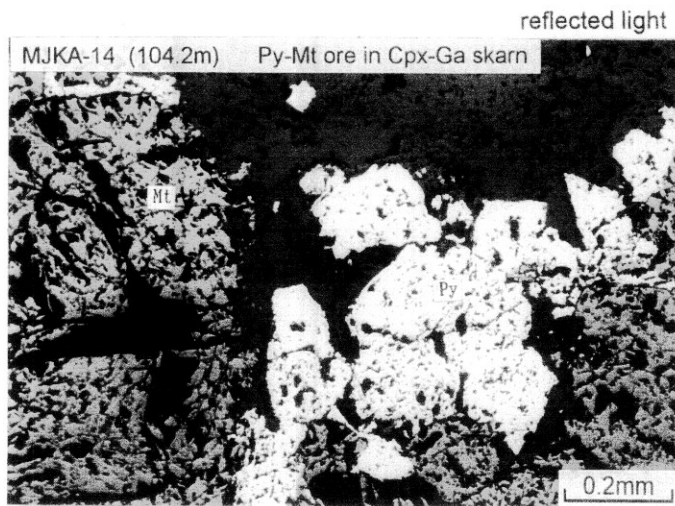
Appendix 5

Photomicrographs of the Polished Thin Sections

Abbreviations

Ank	:Ankerite
Asp	:Arsenopyrite
Bn	:Bornite
Cal	:Calcite
Carb	:Carbonate
Ch	:Chlorite
Cp	:Chalcopyrite
Cpx	:Clinopyroxene
El	:Electrum
Ga	:Garnet
Hb	:Hornblende
Mo	:Molybdenite
Mt	:Magnetite
Po	:Pyrrhotite
Py	:Pyrite
Qz	:Quartz
Se	:Sericite
Sph	:Sphene
Tb	:Telluro Bismuthinite
Td	:Tetrahedrite
X	:unidentified minerals

Appendix 5 Photomicrographs of the Polished Thin Sections



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