ab-6E

Appendix 8 Result of X-ray Diffraction Analysis

No.	Drillhole	Depth(m)	Rock name	Ga	Cpx	Hb	Pl	Kf	Qz	Chl	Ep	Ms	Bt	Se	Sm	Kln	Hl	Mix	Cal	Bn	Mt	Remarks
1	MJKA-14	38.1	Dolomite						◎					△		○			○			in marble
2	MJKA-15	109.0	Altered anorthosite or gabbro			△	○		◎	△						○						near skarn zone
3	MJKA-16	105.0	Mt-Hb-Cal-Qz vein			◎	○		○							・						skarn-marble contact
4	MJKA-16	117.3	Qz-Cal rock (Brecciated,silicified limestone?)				・		◎		◎			・		・						near skarn zone
5	MJKA-16	150.4	argillized granodiorite porphyry				○		◎					・		・			・			near fault shear zone
6	MJKA-17	71.1	Cpx skarn (Gabbro?)		◎		○		○	△	△					◎			△			near skarn zone
7	MJKA-17	90.3	Cpx skarn (Lamprophyre?)				◎		○					△		○						in granodiorite
8	MJKA-17	126.2	Granodiorite porphyry (altered)			・	○		◎													

No.	Sample no.	Rock name	Ga	Cpx	Hb	Pl	Kf	Qz	Chl	Ep	Ms	Bt	Se	Sm	Kln	Hl	Mix	Cal	Bn	Mt	Remarks
1	1930C6-44.4R	Diorite		○		◎	・		○			○	◎								
2	1930C6-71CL	Skarnized limestone						○					・		・			◎			
3	1930C6-79F	Ga skarn	◎		○			△										△			
4	1930C6-131.5FLa	Ga skarn	○	△		○												○	◎		Cp
5	No.5 ore body	SCM in silicified carbonate skarn	△		◎															・	green Cu ore

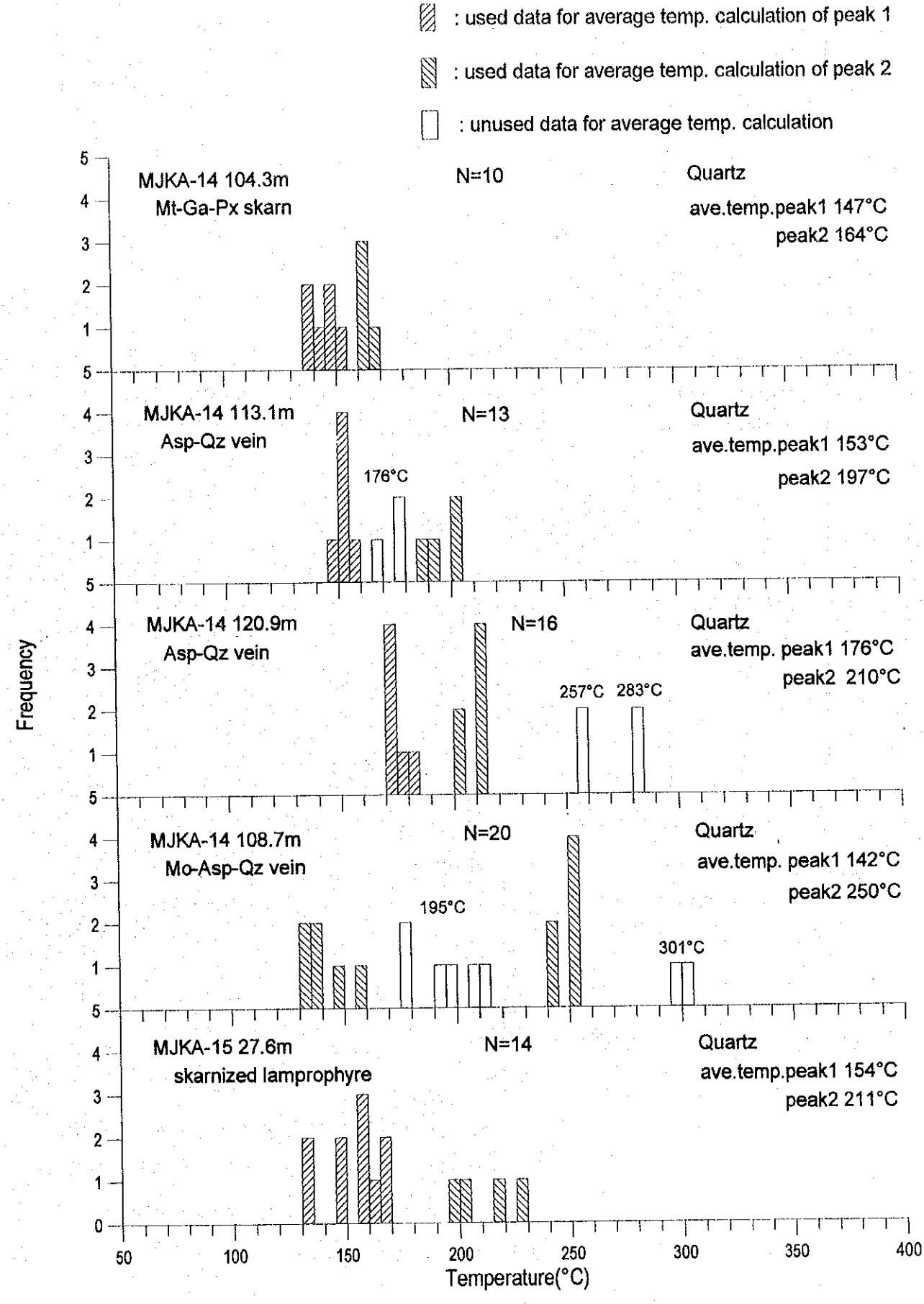
◎ : abundant, ○ : common, △ : poor, ・ : rare

Bn:Bornite
Bt:Biotite
Cal:Calcite
Ch:Chlorite
Cpx:Clinopyroxene
Ep:Epidote
Ga:Garnet
Hb:Hornblende
Hl:Hallovnite
Kf:K-feldsper
Kin:Kaolinite
Mt:Magnetite
Mix:Mixed layer
Ms:Muscovite
Mt:Magnetite
Pl:Plagioclase
Qz:Quartz
Se:Sericite
Sm:Smectite

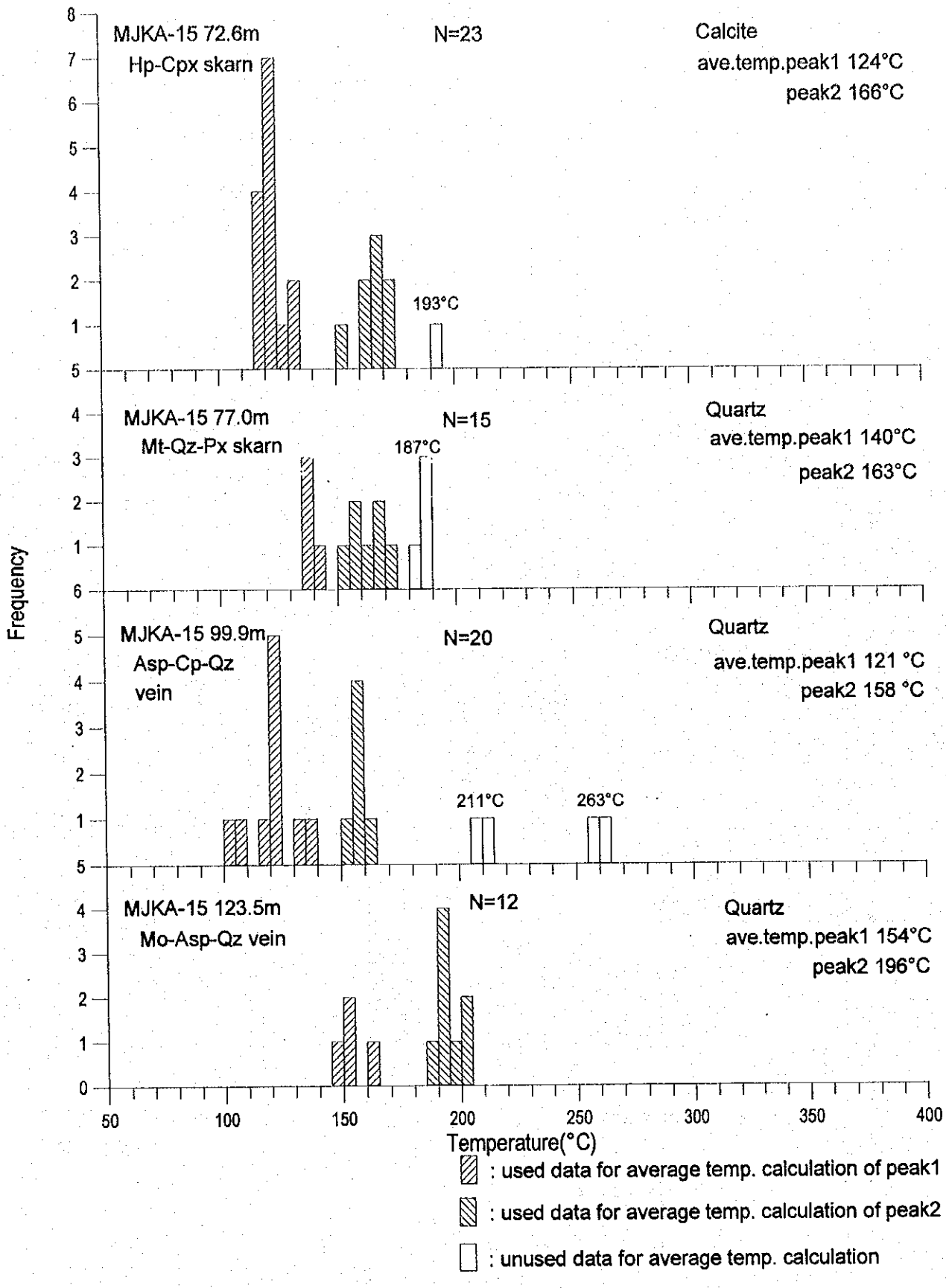
Appendix 9 Result of Homogeniztion Temperature Measurement of Fluid Inclusions

No.	Drillhole	Depth(m)	Rock name	Mineral	Range of temperature(℃)			Number of Inclusions	Homogenization temperature(℃)															
					Min.	Max.	Ave.																	
1	MJKA-14	104.3	Mt-Ga-Px skarn	quartz	139	166	153	10	139	140	145	150	150	155	161	163	164	166						
2	MJKA-14	113.1	Asp-Qz vein	quartz	150	203	172	13	150	152	153	153	153	157	168	179	180	187	195	201	203			
3	MJKA-14	120.9	Asp-Qz vein	quartz	171	284	212	16	171	173	174	175	180	182	204	205	211	213	214	215	256	258	282	284
4	MJKA-14	180.7	Mo-Asp-Qz vein	quartz	133	304	206	20	133	135	136	138	150	158	176	176	195	199	206	215	242	244	251	251
									254	255	298	304												
5	MJKA-15	27.6	skarnized lamprophyre	quartz	131	226	170	14	131	132	149	150	157	159	160	161	168	168	196	202	219	226		
6	MJKA-15	72.6	Hp-Cpx skarn	calcite	118	193	140	23	118	118	120	120	122	122	123	123	123	125	125	126	133	134	152	161
									165	168	169	170	171	172	193									
7	MJKA-15	77.0	Mt-Qz-Px skarn	quartz	136	189	163	15	136	139	140	143	155	158	159	163	166	168	175	184	186	188	189	
8	MJKA-15	99.9	Asp-Cp-Qz vein	quartz	101	265	155	20	101	109	120	122	123	123	123	123	132	136	153	157	157	158	159	164
									210	211	260	265												
9	MJKA-15	123.5	Mo-Asp-Qz vein	quartz	149	203	181	12	149	151	155	162	190	192	194	194	195	197	203	203				
10	MJKA-16	105.5	Px-Ga skarn	quartz	151	172	164	11	151	156	158	161	164	165	165	169	170	171	172					
11	MJKA-16	125.6	Asp-Py-Qz vein	quartz	151	163	157	4	151	151	162	163												
12	MJKA-16	166.3	Asp-Qz vein	quartz	125	258	183	22	125	126	126	132	145	146	147	158	158	168	172	175	198	201	203	205
									212	220	246	247	256	258										
13	MJKA-16	167.3	Asp-Qz vein	quartz	97	194	136	18	97	99	107	109	110	112	116	119	126	127	144	146	148	152	177	180
									190	194														
14	MJKA-17	68.2	Mt ore in Cpx-Ga skarn	quartz	146	213	173	22	146	147	151	151	152	154	157	161	166	166	168	168	170	170	190	192
									198	199	199	199	205	213										
15	MJKA-17	128.8	Po-Asp-Py-Qz vein	quartz	162	223	185	12	162	164	166	167	169	171	175	194	201	210	218	223				
16	MJKA-18	97.9	Py-Qz-Cal vein	quartz	133	169	152	8	133	137	143	147	156	161	167	169								
17	MJKA-18	115.7	Asp-Qz vein	calcite	161	227	196	18	161	169	178	179	184	185	190	191	193	197	200	206	208	210	214	215
									224	227														

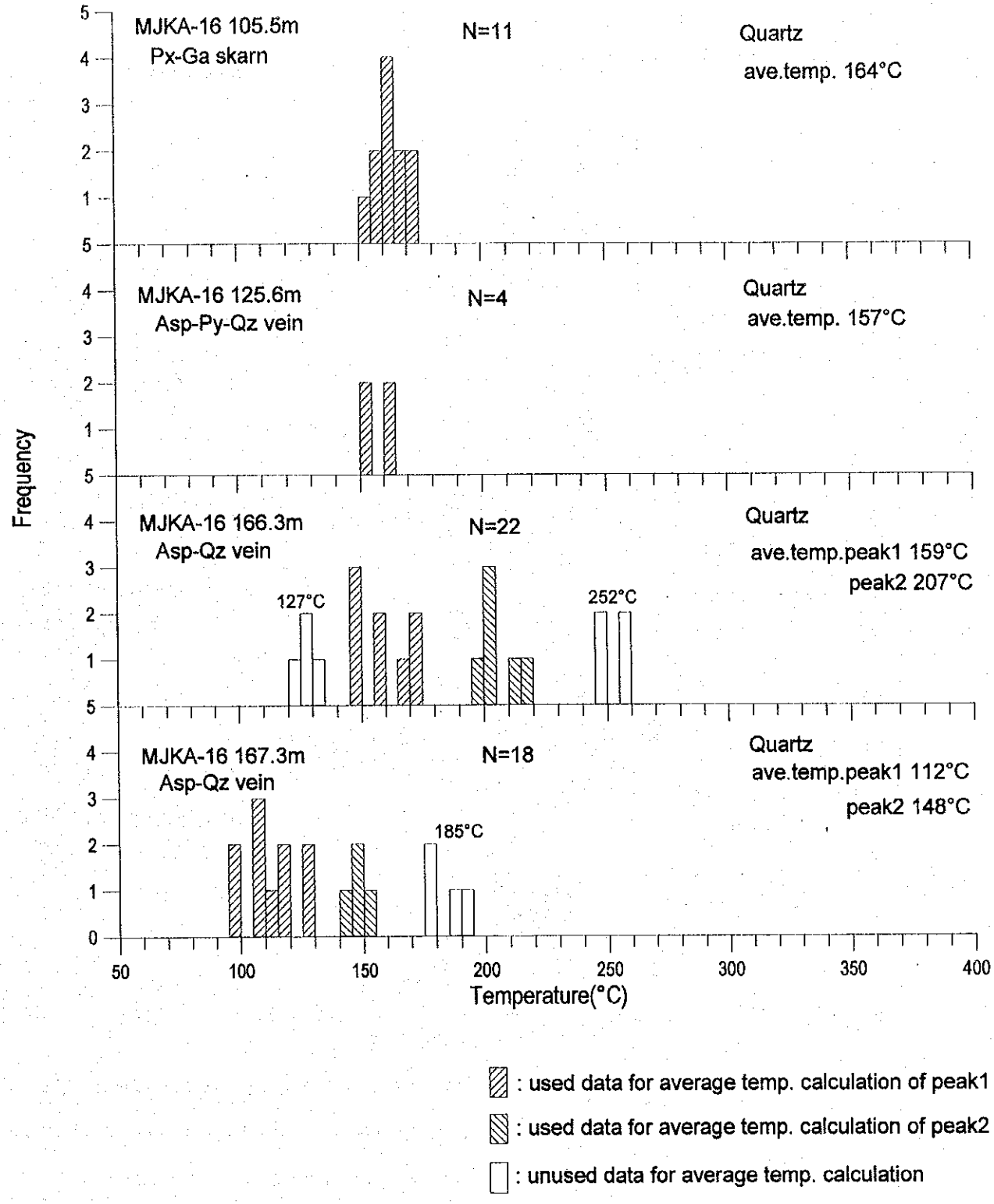
No.	Sample no.	Rock name	Mineral	Range of temperature(℃)			Number of Inclusions	Homogenization temperature(℃)																
				Min.	Max.	Ave.																		
1	1930C5-15.5F(1)	Cp ore in Cpx skarn	calcite	139	270	188	17	139	150	159	159	162	163	173	180	185	190	193	202	202	221	222	224
								270																
2	1930C5-15.5F(2)	Cp ore in Cpx skarn	calcite	110	297	198	26	110	113	114	118	139	140	143	143	144	145	147	148	152	152	237	239
								258	259	270	272	276	276	279	281	297	297						
3	1930C5-17F	Py-Cp in Cpx skarn	calcite	128	189	162	16	128	142	143	147	150	155	160	162	162	168	169	174	176	180	180	189
4	1930C6-23Fc	Ga skarn	calcite	91	144	116	20	91	93	98	99	101	102	103	103	106	108	114	116	125	126	127	128
								138	144	144	144													
5	1930C6-45.2R	Cal-Qz vein	calcite	97	170	133	22	97	100	108	111	111	118	122	125	125	126	126	127	127	127	148	152
								154	161	162	166	167	170											
6	1930C6-131.5FLa	Cp ore in Cpx skarn	calcite	96	204	142	18	96	101	106	107	118	123	125	127	132	132	141	144	150	151	198	198
								203	204															



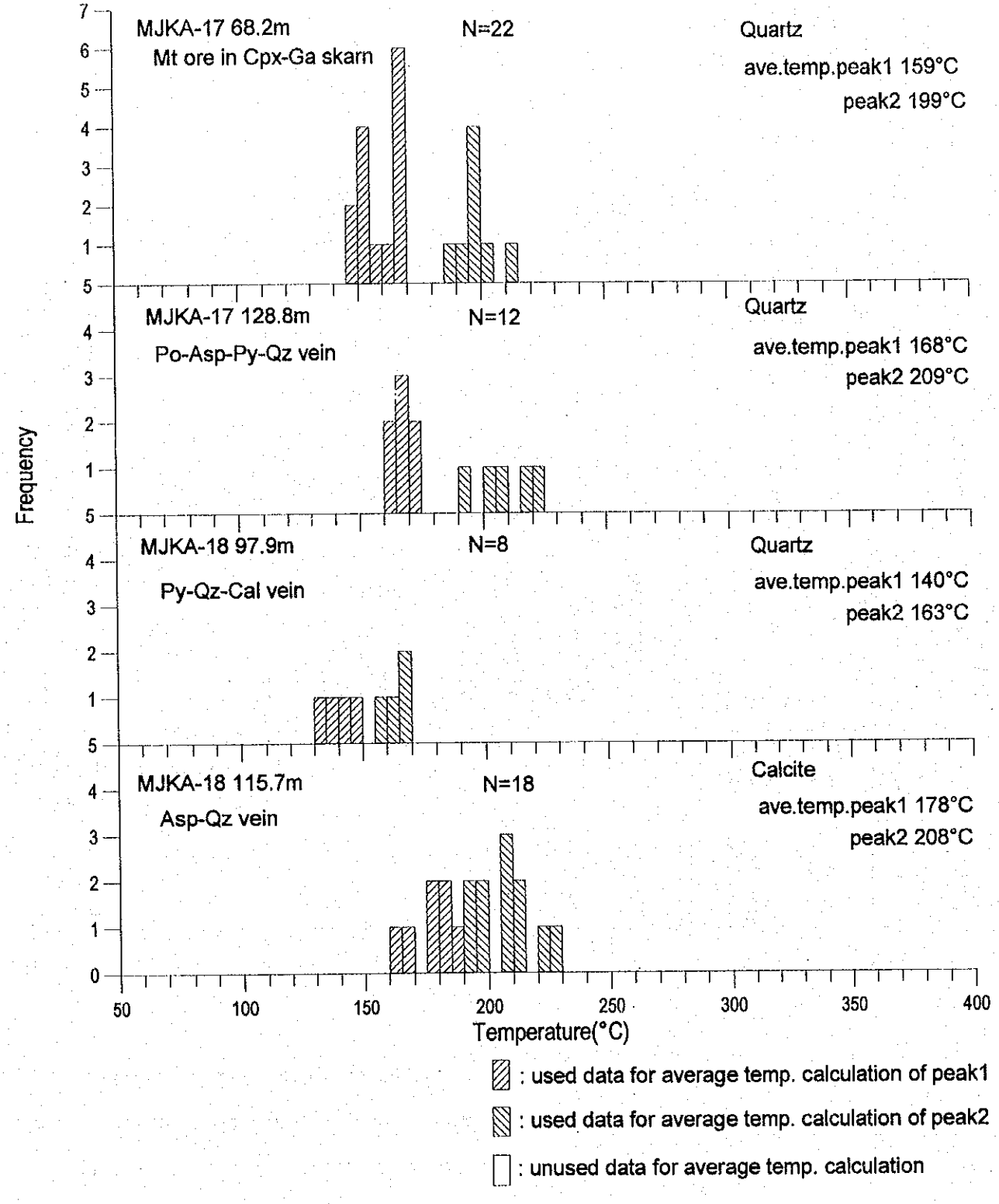
Appendix 10 Histogram of Homogenization Temperature (1)



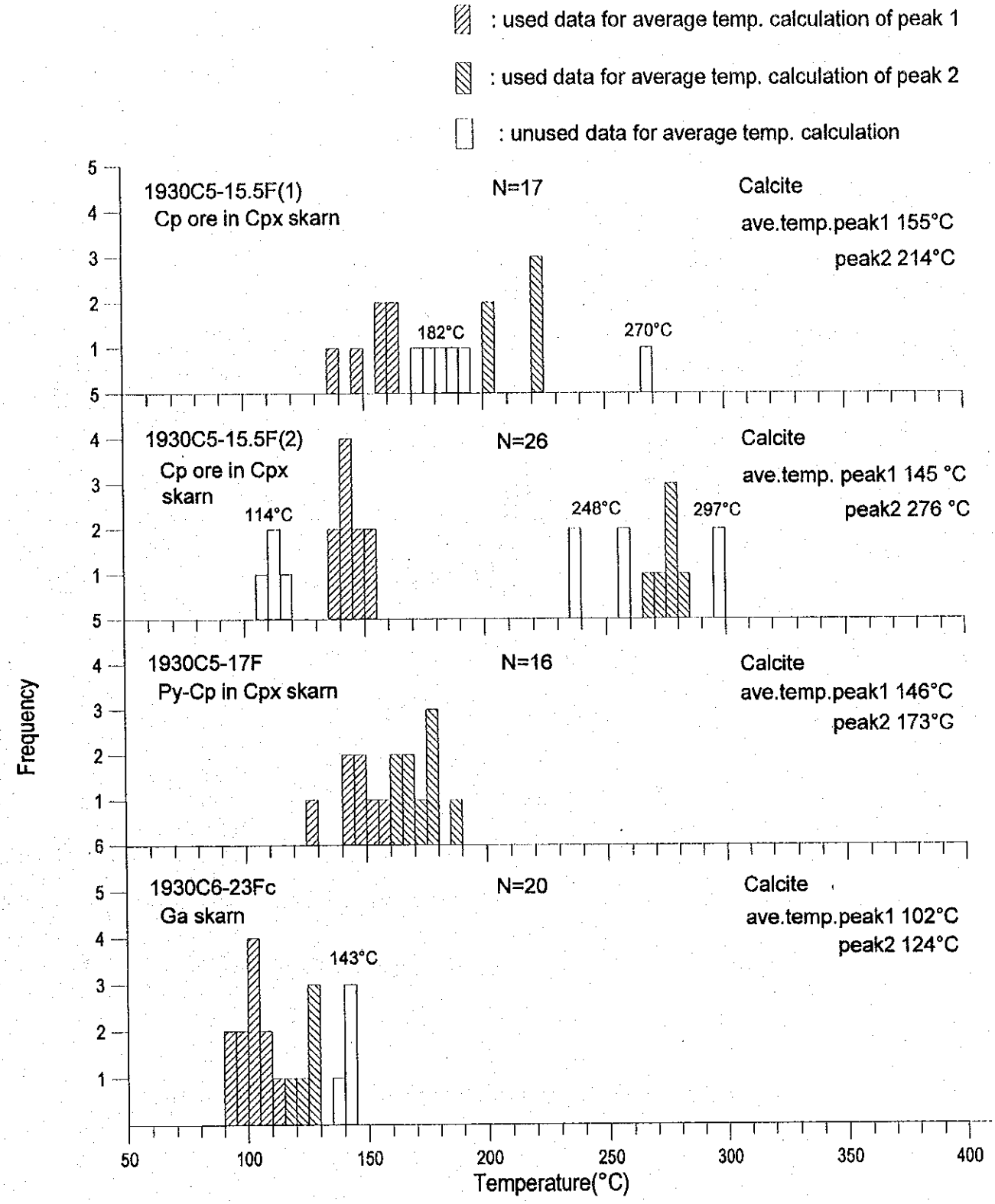
Appendix 10 Histogram of Homogenization Temperature (2)



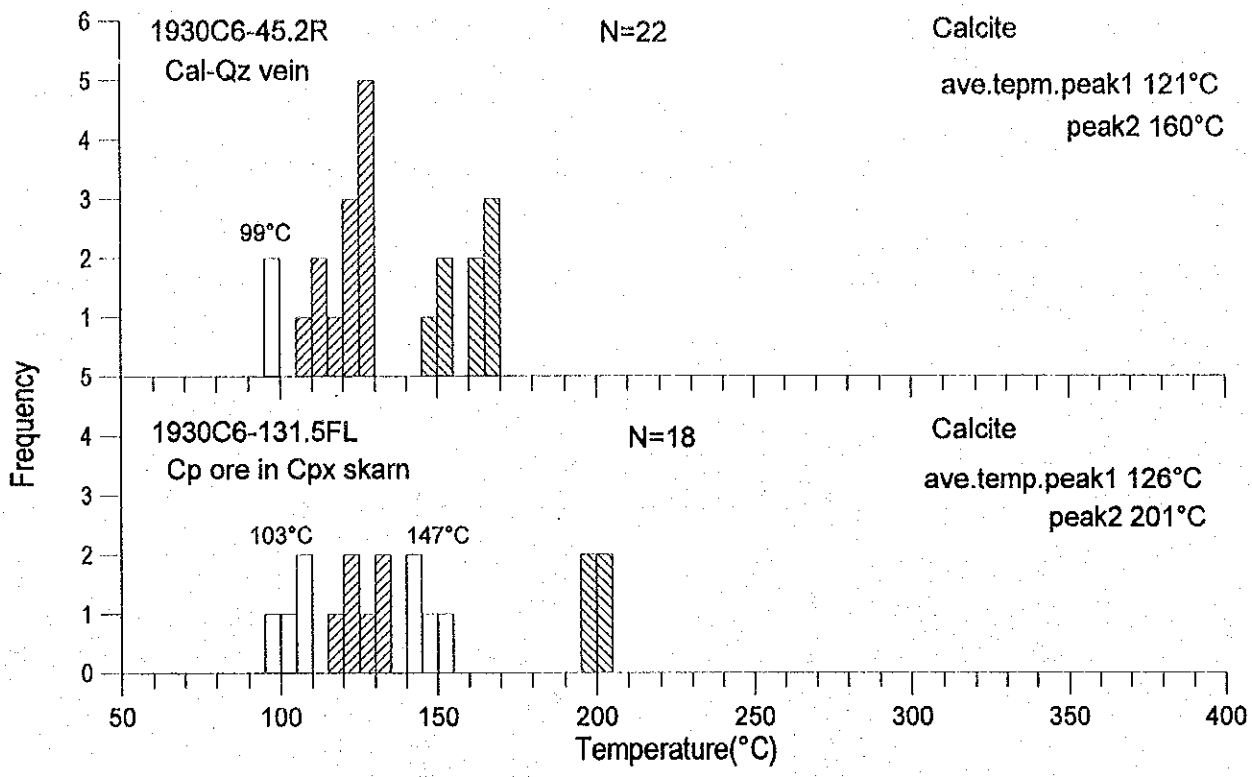
Appendix 10 Histogram of Homogenization Temperature (3)



Appendix 10 Histogram of Homogenization Temperature (4)



Appendix 10 Histogram of Homogenization Temperature (5)



▨ : used data for average temp. calculation of peak1

▨ : used data for average temp. calculation of peak2

□ :unused data for average temp. calculation

Appendix 10 Histogram of Homogenization Temperature (6)

Appendix 11 Result of EPMA Analysis (1)

Mineral identification

	Sample no.	Identified mineral	Chemical composition (weight %)										
			SiO2	TiO2	Al2O3	FeO	MnO	Cr2O3	MgO	CaO	Na2O	K2O	Total
1	MJKA-15 72.6m (1)	Hedenbergite	48.096	0.043	0.776	24.366	0.652	0.030	1.584	22.750	0.177	0.000	98.474
2	MJKA-15 72.6m (2)	Hedenbergite	48.408	0.051	0.955	25.446	0.544	0.000	1.629	22.982	0.220	0.030	100.265
3	MJKA-15 72.6m (3)	Hedenbergite	48.362	0.044	0.579	26.295	0.727	0.084	0.968	21.447	0.241	0.000	98.748
4	MJKA-15 72.6m (4)	Hedenbergite	48.226	0.070	0.852	27.680	0.538	0.000	0.180	21.878	0.353	0.003	99.779
5	MJKA-15 72.6m (5)	Ferroactinolite	37.917	0.489	10.732	32.521	0.332	0.047	0.692	11.518	1.559	1.847	97.654
6	MJKA-15 72.6m (6)	Ferroactinolite	37.448	0.622	10.427	31.357	0.287	0.000	0.577	11.479	1.575	1.846	95.618
7	MJKA-15 72.6m (7)	Ferroactinolite	37.807	0.519	10.592	32.140	0.441	0.000	0.644	11.639	1.512	1.862	97.156
8	MJKA-15 72.6m (8)	Ferroactinolite	40.093	0.215	8.064	32.785	0.266	0.000	0.869	11.306	1.292	1.538	96.427
9	MJKA-18 116.8m (1)	Andradite rich grandite	35.168	0.011	0.399	26.803	0.302	0.064	0.065	33.632	0.000	0.000	96.444
10	MJKA-18 116.8m (2)	Andradite rich grandite	35.415	0.000	0.486	26.976	0.278	0.000	0.000	32.881	0.019	0.000	96.055
11	MJKA-18 116.8m (3)	Andradite rich grandite	35.295	0.086	0.383	26.935	0.259	0.000	0.066	33.692	0.000	0.000	96.715
12	MJKA-18 116.8m (4)	Andradite rich grandite	35.222	0.000	0.528	27.078	0.280	0.000	0.028	33.924	0.027	0.000	97.087
13	MJKA-18 116.8m (5)	Ferroactinolite	47.433	0.154	1.281	36.166	0.651	0.000	0.199	9.848	0.417	0.098	96.247
14	MJKA-18 116.8m (6)	Ferroactinolite	47.940	0.059	1.140	36.221	0.540	0.000	0.334	10.295	0.438	0.093	97.058
15	MJKA-18 116.8m (7)	Ferroactinolite	47.445	0.183	1.307	36.170	0.654	0.000	0.171	9.995	0.487	0.095	96.507
16	MJKA-18 116.8m (8)	Hedenbergite	50.235	0.007	0.024	21.780	0.531	0.019	4.412	23.239	0.010	0.000	100.256
17	MJKA-18 116.8m (9)	Hedenbergite	49.845	0.012	0.026	21.144	0.633	0.066	4.141	24.004	0.049	0.004	99.925
18	MJKA-18 116.8m (10)	Hedenbergite	50.389	0.013	0.000	21.146	0.711	0.000	4.623	23.587	0.045	0.017	100.530
19	MJKA-18 116.8m (11)	Hedenbergite	49.684	0.000	0.031	22.558	0.609	0.092	3.483	23.817	0.073	0.000	100.348
20	MJKA-18 116.8m (12)	Andradite rich grandite	35.672	0.108	0.655	28.030	0.218	0.097	0.046	33.361	0.000	0.000	98.186
21	MJKA-18 116.8m (13)	Andradite rich grandite	35.735	0.061	1.044	27.495	0.309	0.024	0.057	33.594	0.033	0.000	98.352
22	MJKA-18 116.8m (14)	Andradite rich grandite	35.657	0.000	0.585	28.068	0.365	0.104	0.056	33.114	0.000	0.000	97.949

Appendix 11 Result of EPMA Analysis (2)

Mineral identification

	Sample no.	Identified mineral	Chemical composition (weight %)										
			SiO2	TiO2	Al2O3	FeO	MnO	Cr2O3	MgO	CaO	Na2O	K2O	Total
23	1930C5-16Fa (1)	Ferroactinolite	46.912	0.000	3.771	32.035	0.513	0.050	1.833	11.894	0.301	0.298	97.607
24	1930C5-16Fa (2)	Ferroactinolite	41.071	0.128	8.505	32.864	0.450	0.003	0.642	11.519	0.852	0.986	97.020
25	1930C5-16Fa (3)	Ferroactinolite	39.842	0.058	8.666	33.136	0.399	0.024	0.635	11.563	0.837	1.517	96.677
26	1930C5-16Fa (4)	Ferroactinolite	43.235	0.044	6.444	32.606	0.454	0.000	1.291	11.543	0.588	0.876	97.082
27	1930C5-16Fa (5)	Andradite rich grandite	36.105	0.096	3.442	23.634	0.256	0.000	0.003	33.663	0.007	0.006	97.213
28	1930C5-16Fa (6)	Andradite rich grandite	36.228	0.000	3.514	24.718	0.234	0.000	0.002	33.497	0.041	0.000	98.235
29	1930C5-16Fa (7)	Andradite rich grandite	36.187	0.000	1.995	25.465	0.358	0.000	0.027	33.245	0.000	0.022	97.300
30	1930C5-16Fa (8)	Andradite rich grandite	36.171	0.032	2.607	24.245	0.207	0.033	0.000	33.792	0.000	0.000	97.088
31	1930C5-16Fa (9)	Hedenbergite	49.458	0.023	0.076	24.469	0.716	0.000	2.159	23.147	0.108	0.000	100.155
32	1930C5-16Fa (10)	Hedenbergite	49.371	0.000	0.222	24.469	0.674	0.000	2.220	22.861	0.078	0.000	99.894
33	1930C5-16Fa (11)	Hedenbergite	49.450	0.000	0.097	25.063	0.643	0.031	1.680	23.028	0.002	0.010	100.005
34	1930C5-16Fa (12)	Hedenbergite	49.331	0.000	0.218	24.611	0.878	0.052	2.213	23.192	0.102	0.000	100.597
35	1930C6-23Fb (1)	Ferrosalite	51.849	0.020	0.641	11.020	0.267	0.001	10.703	24.976	0.101	0.016	99.593
36	1930C6-23Fb (2)	Ferrosalite	50.585	0.014	1.050	11.455	0.302	0.014	10.622	23.913	0.107	0.010	98.071
37	1930C6-23Fb (3)	Ferrosalite	51.150	0.070	0.615	11.742	0.322	0.060	10.700	24.793	0.049	0.021	99.521
38	1930C6-23Fb (4)	Ferrosalite	51.556	0.025	1.021	12.679	0.245	0.000	10.195	24.041	0.080	0.000	99.842
39	1930C6-23Fb (5)	Grossular rich grandite	38.739	0.244	16.702	7.790	0.135	0.000	0.257	35.018	0.029	0.000	98.914
40	1930C6-23Fb (6)	Grossular rich grandite	38.825	0.175	17.566	7.306	0.168	0.000	0.235	34.743	0.000	0.000	99.018
41	1930C6-23Fb (7)	Grossular rich grandite	39.031	0.128	17.350	7.950	0.151	0.025	0.166	34.348	0.000	0.000	99.149
42	1930C6-23Fb (8)	Grossular rich grandite	39.443	0.204	16.484	8.876	0.166	0.018	0.128	35.250	0.000	0.000	100.569
43	1930C6-23Fb (9)	Ferrosalite	50.322	0.050	0.213	22.304	0.604	0.000	3.930	22.786	0.226	0.000	100.436
44	1930C6-23Fb (10)	Ferrosalite	49.873	0.105	0.415	20.139	0.678	0.000	5.428	22.195	0.237	0.000	99.070
45	1930C6-23Fb (11)	Ferrosalite	51.068	0.084	0.681	17.346	0.663	0.000	7.074	22.993	0.280	0.004	100.194
46	1930C6-23Fb (12)	Ferrosalite	49.846	0.024	0.508	19.430	0.563	0.000	5.266	23.113	0.267	0.000	99.019

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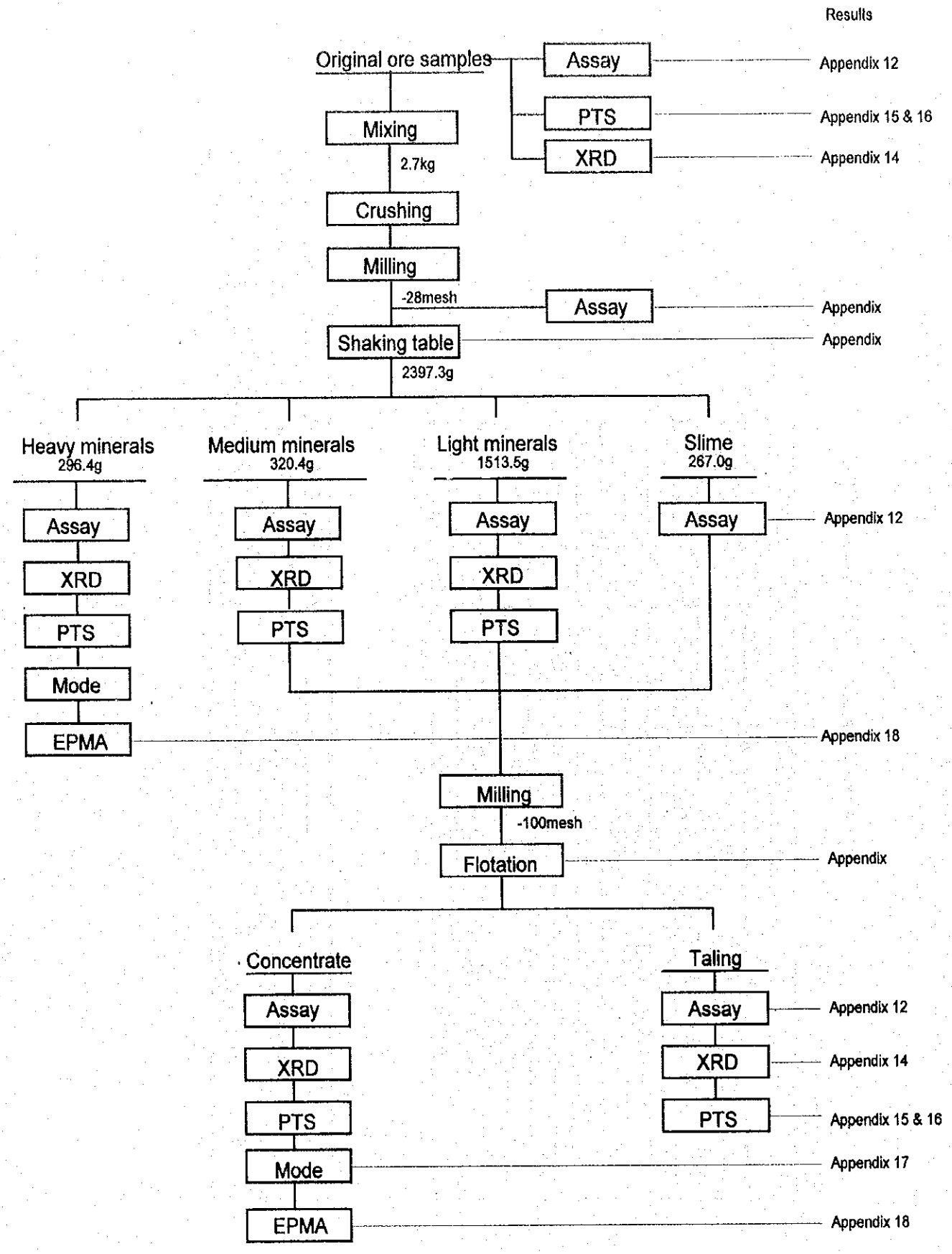
Appendix 11 Result of EPMA Analysis (3)

Electrum

	Sample no.	Weight (%)			Atomic	
		Au	Ag	Total	Au	Ag
1	MJKA-18 116.8m (15)	52.949	37.300	90.249	43.739	56.261
2	MJKA-18 116.8m (16)	50.973	38.561	89.533	41.993	58.007
3	MJKA-18 116.8m (17)	57.732	37.724	95.456	45.596	54.404
4	MJKA-18 116.8m (18)	58.418	37.473	95.891	46.055	53.945
5	1930C5-15.5F (1)	61.962	33.753	95.715	50.134	49.866
6	1930C5-15.5F (2)	62.364	34.014	96.378	50.102	49.898
7	1930C5-15.5F (3)	64.209	31.143	95.352	53.032	46.968
8	1930C5-15.5F (4)	57.539	32.487	90.026	49.238	50.762
9	1930C5-15.5F (5)	63.570	32.549	96.119	51.681	48.319
10	1930C5-15.5F (6)	64.524	31.456	95.980	52.905	47.095
11	1930C5-16Fa (13)	55.872	39.570	95.442	43.607	56.393
12	1930C5-16Fa (14)	54.878	40.645	95.524	42.509	57.491
13	1930C5-16Fa (15)	56.077	40.766	96.843	42.966	57.034
	average	58.544	35.957	94.501	47.197	52.803

Bi-Te mineral

	Sample no.	Chemical composition							
		Bi	Ag	Cu	Pb	Se	Te	S	Total
1	1930C5-15.5F (7)	81.376	0.075	1.317	0.000	2.053	14.167	1.384	100.373
2	1930C5-15.5F (8)	77.451	0.000	1.202	0.000	0.459	21.584	0.029	100.725
3	1930C5-15.5F (9)	76.845	0.000	1.156	0.000	0.310	21.878	0.001	100.189



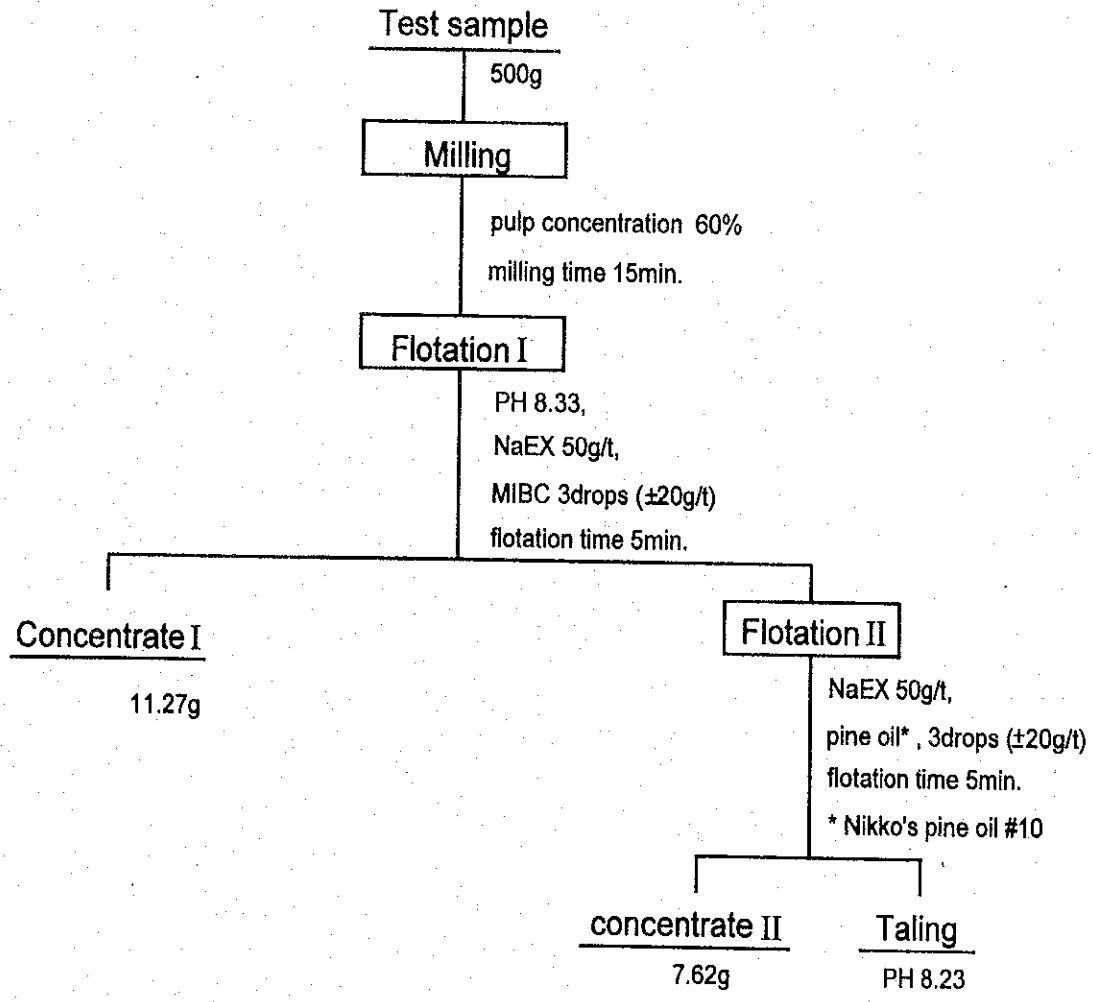
Mode : modal analysis of minerals

PTS : polished thin section

XRD : X-ray diffraction

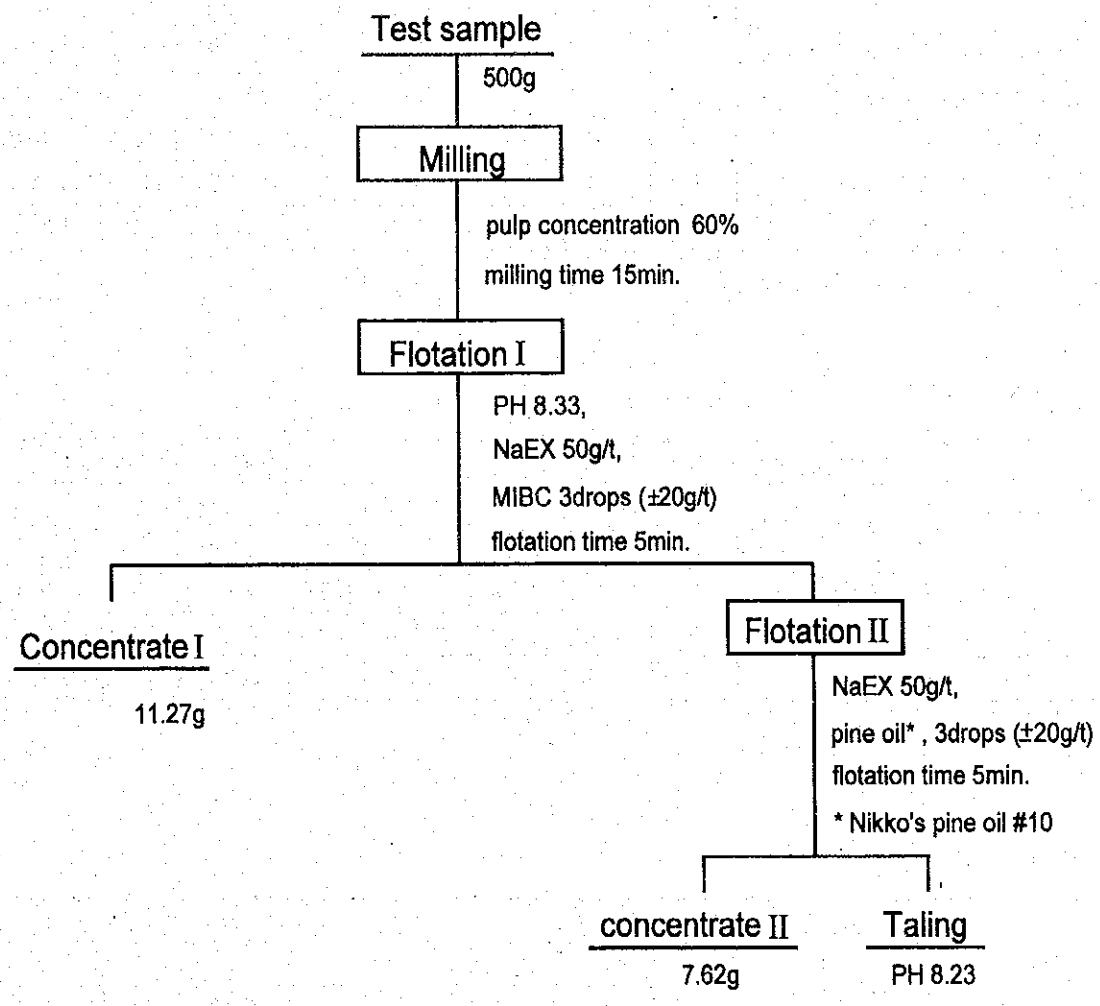
Appendix 12 Flow Chart of Mineral Separation Test

Test sample
- Medium minerals : 236.3g
- Light minerals : 1375.2g
- Slime : 185.8g



Appendix 13 Flow Chart of Flotation Test

Test sample
- Medium minerals : 236.3g
- Light minerals : 1375.2g
- Slime : 185.8g



Appendix 13 Flow Chart of Flotation Test

Appendix 14 Result of Ore Dressing Test

shaking table

Sample	Distribution		Grade			Metal contents and recovery					
	(g)	(%)	Au	Ag	Cu	Au		Ag		Cu	
			(g/t)	(g/t)	(%)	(mg)	(%)	(mg)	(%)	(g)	(%)
Original ore	2,397.3	100.0	14.5 *	21 *	0.97 *	34.7813	100.0	50.2296	100.0	23.2800	100.0
Heavy minerals	296.4	12.4	70.8	93	4.43	20.9851	60.3	27.5652	54.9	13.1305	56.4
Midium minerals	320.4	13.4	11.8	16	0.97	3.7807	10.9	5.1264	10.2	3.1079	13.4
Light minerals	1,513.5	63.1	6.0	10	0.34	9.0810	26.1	15.1350	30.1	5.1459	22.1
Slime	267.0	11.1	3.5	9	0.71	0.9345	2.7	2.4030	4.8	1.8957	8.1

* Calculated value (cf.assay result : Au 20.3g/t , Ag 16G/t , Cu 0.98%)

Flotation

Sample	Distribution		Grade			Metal contents and recovery					
	(g)	(%)	Au	Ag	Cu	Au		Ag		Cu	
			(g/t)	(g/t)	(%)	(mg)	(%)	(mg)	(%)	(g)	(%)
Test sample	500.0	100.0	6.6 *	11 *	0.48 *	3.2834	100.0	5.3940	100.0	2.4155	100.0
Concentrate	18.9	3.8	145.7 *	234 *	12.53 *	2.7542	83.9	4.4318	82.2	2.3674	98.0
Taling	481.1	96.2	1.1	2	0.01	0.5292	16.1	0.9622	17.8	0.0481	2.0

* Calculated value

Final result

Sample	Distribution		Grade			Metal contents and recovery					
	(g)	(%)	Au	Ag	Cu	Au		Ag		Cu	
			(g/t)	(g/t)	(%)	(mg)	(%)	(mg)	(%)	(g)	(%)
Original ore	2,397.3	100.0	14.5 *	21 *	0.97 *	34.8401	100.0	50.2885	100.0	23.3359	100.0
Heavy minerals	296.4	12.4	70.8	93	4.43	20.9851	60.2	27.5652	54.8	13.1305	56.3
Concentrate	79.8	3.3	145.7	234	12.53	11.6318	33.4	18.6812	37.1	10.0032	42.9
Total	376.2	15.7	86.7	123	6.15	32.6170	[illegible]	46.2464	[illegible]	23.1337	[illegible]
Taligng	2,021.1	84.3	1.1	2	0.01	2.2232	6.4	4.0421	8.0	0.2021	0.9

* Calculated value

Appendix 15 Microscopic Observations of the Polished Thin Sections for Mineral Separation Test

No.	Sample no.	Rock name	Ore minerals																				Gangue minerals													
			Mt	Hm	Py	Asp	Mc	Bn	Cp	Td	Cc	Cv	Gn	Sp	El	Arg	Bi	Bm	Clah	Grd	Hc	Gra	Qz	Kf	Ga	Cpx	Amp	Cal	Sid	Cab	Ilv	Ch	Hb	Se	Ep	Sph	Zr
1	T2-182L	Cp ore in Ga skarn			·																		·		○			◎				·					
2	T3-63.7R	Cp ore in Hb-Px-Ga skarn	△						·														·		◎	○		△				·	○				
3	T3-64.5L	Mt-Hb-Px-Ga skarn	·		·				·														·		◎	○		△				·	○				
4	T3-111L	Cp ore in Px-Qz skarn	·		·									·	·								◎			○		△				△	△	○	·	·	·
5	C1-15R	Px skarn			·				·														○			◎		△				·	·				
6	Heavy minerals	separated by shaking table	·	·	·	·		○	○		·		·	·	·	·	·	·	·			·	△		◎	◎	○	△	△		·	△				
7	Medium minerals	separated by shaking table	·	△	·	·		△	△	·	·			·	·		·	·	·	·			·		◎	◎	△	△	△		·	○				
8	Light minerals	separated by shaking table	·	·	·	·		·	△		·			·	·		·	·	·				○	·	◎	◎	△	○	△		·	◎				
9	Concentrate	separated by flotation	·	·	·	·	·	○	◎	·	·	·	·	·	·	·	·	·	·	·	·	·	△		◎	◎	○			◎	·	○				
10	Tailing	separated by flotation	·	·	·		·	·	·								·						△		◎	◎	○			◎		·					

Amp: Amphibole
Arg:Argentite
Asp:Arsenopyrite
Bi:Bismuth
Bm:Bismuthinite
Bn:Bornite
Cal:Calcite
Carb:Carbonate
Cc:Chalcocite
Ch:Chlorite
Clah:Clausthalite
Cp:Chalcopyrite
Cpx:Clinopyroxene
Cv:Covellite
Ep:Epidote
El:Electrum
Ga:Garnet
Gn:Galena
Gra:Graphite
Grd:Gersdorffite(Ni,Co) AsS
Hb:Hornblende
Hc:Hauchecornite Ni9Bi2S8
Hm:Hematite
Ilv:Ilvaite
Kf:Potassium feldspar
Mc:Marcasite
Mt:Magnetite
Px:Pyroxene
Py:Pyrite
Qz:Quartz
Se:Sericite
Sid:Siderite
Sp:Sphalerite
Sph:Sphene
Td:Tetrahedrite
Zr:Zircon

Sample no. : T2 (Tunnel-Ⅱ) , T3 (Tunnel-Ⅲ) , C1 (Crosscut-Ⅰ) , R (Right wall) , L (Left wall)

*numerical figures in a sample number show the distance from the starting point in eath segments.

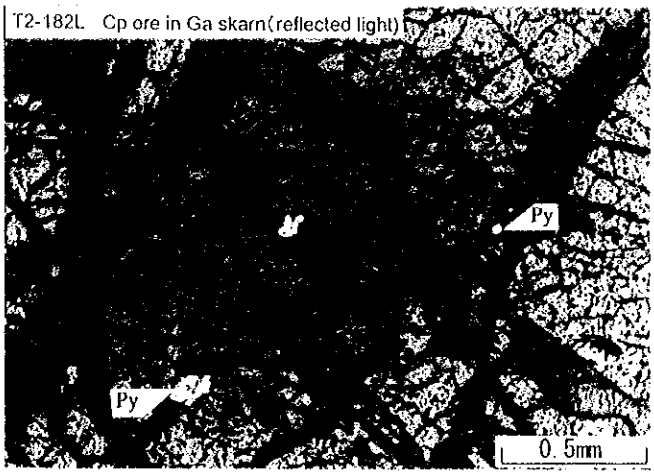
Appendix 16

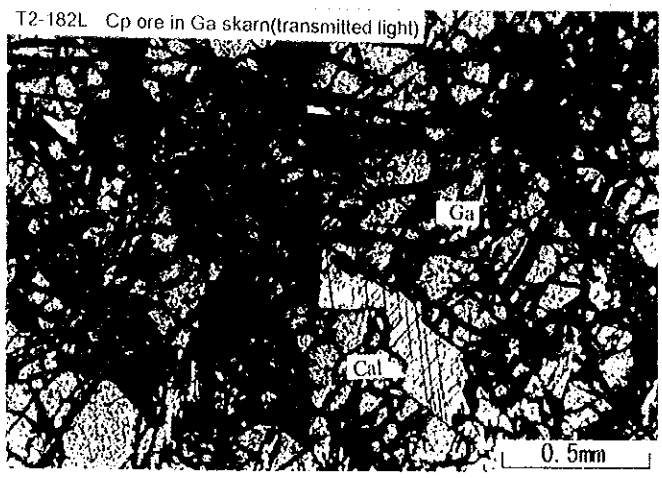
Photomicrographs of the Polished Thin Sections for Mineral Separation Test

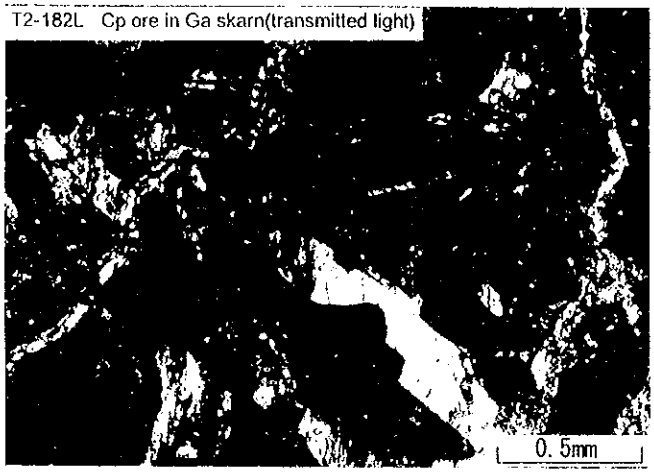
Abbreviations

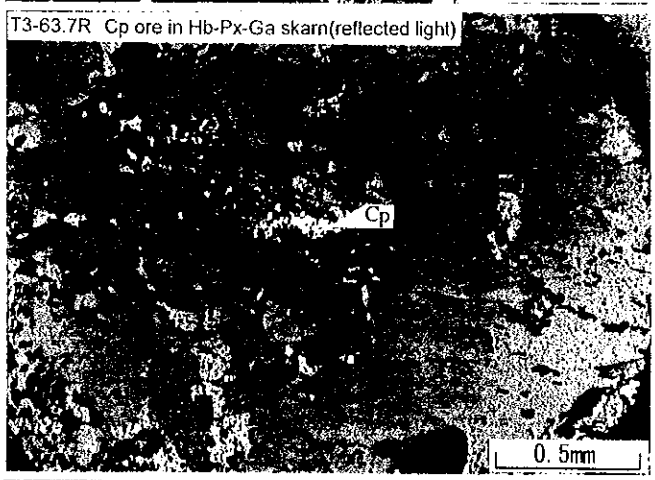
Bn :Bornite
Bt :Biotite
Carb :Carbonate
Cal :Calcite
Ch :Chlorite
Clah :Clausthalite
Cp :Chalcopyrite
Cpx :Clinopyroxene
El :Electrum
Ga :Garnet
Grd :Gersdorffite (Ni,Co) AsS
Hb :Hornblende
Hc :Hauchecornite $Ni_9Bi_2S_8$
Py :Pyrite
Qz :Quartz

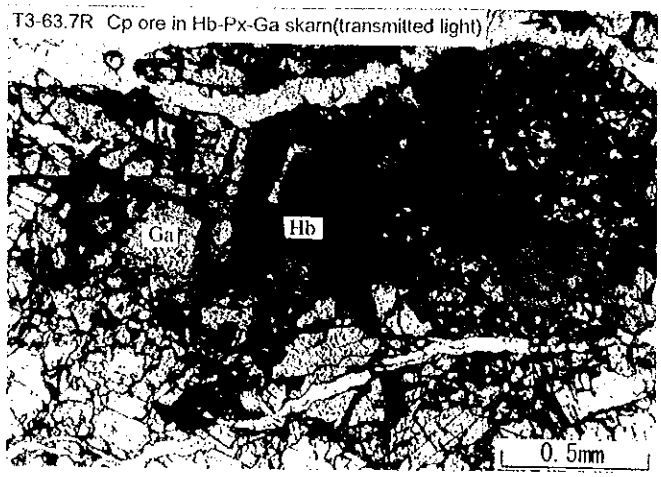
Appendix 16 Photomicrographs of the Polished Thin Sections for Mineral Separation Test

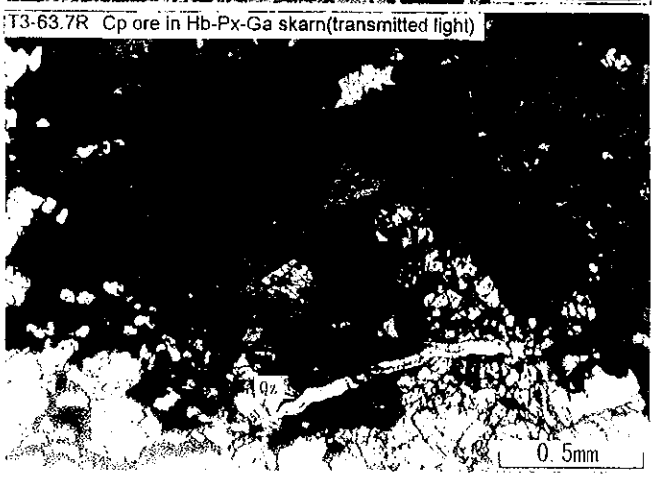




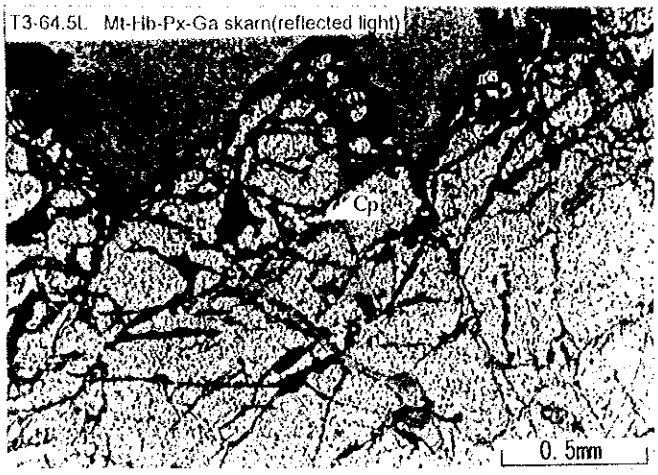


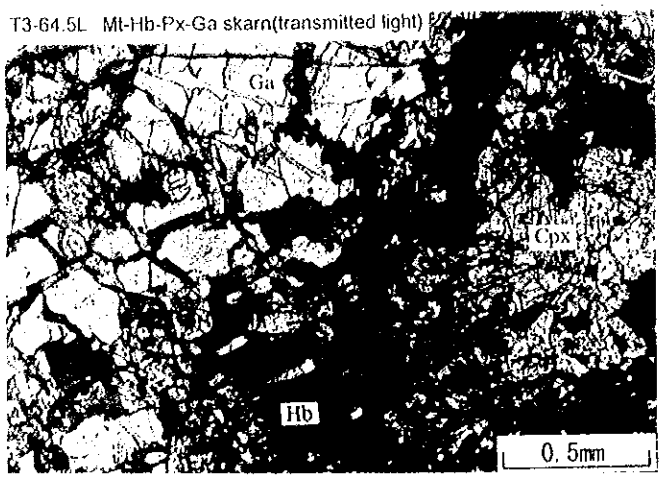


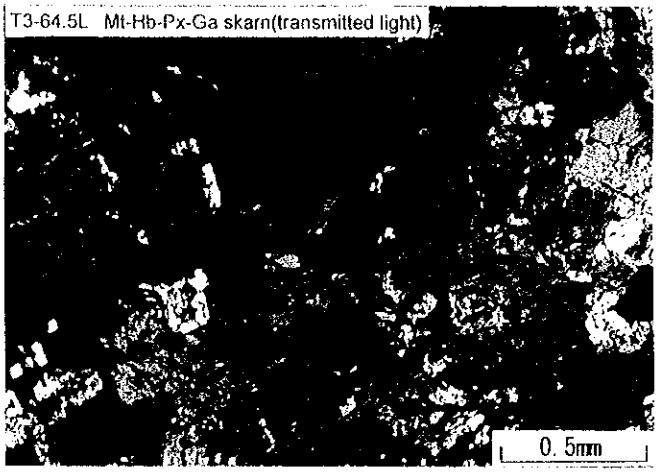


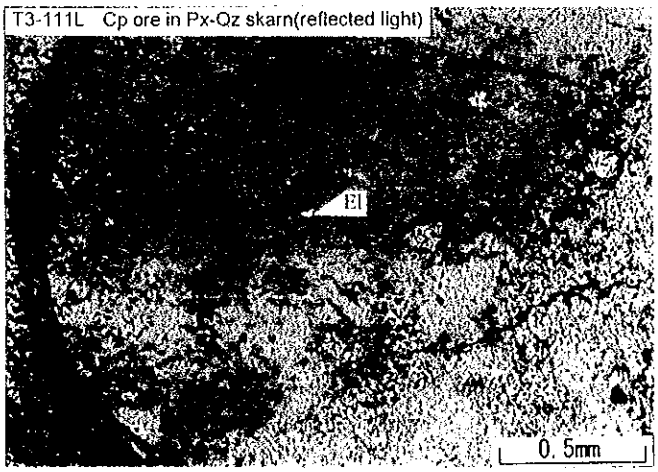


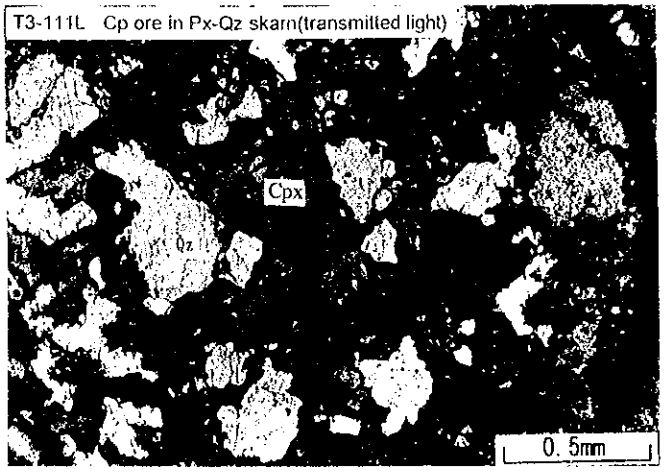
Appendix 16 Photomicrographs of the Polished Thin Sections for Mineral Separation Test

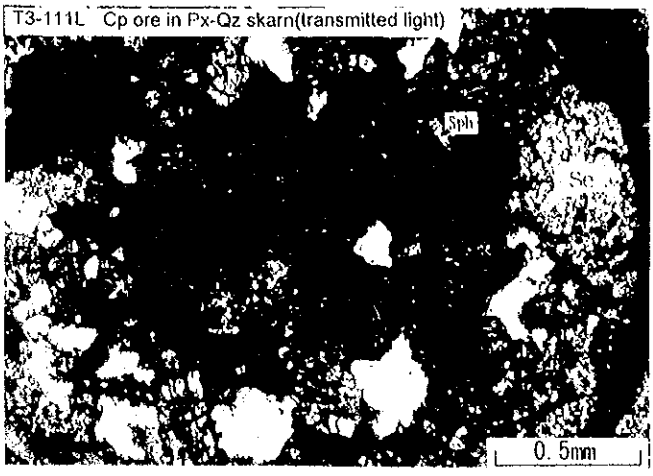




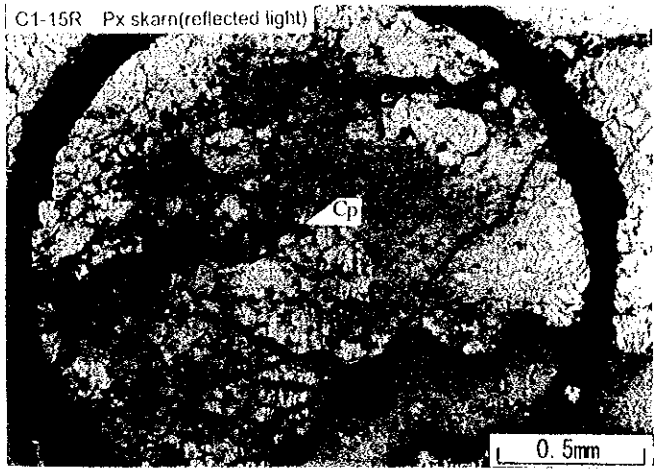


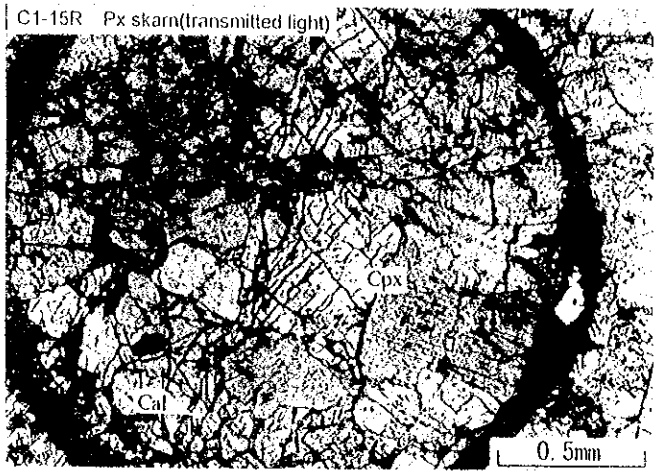


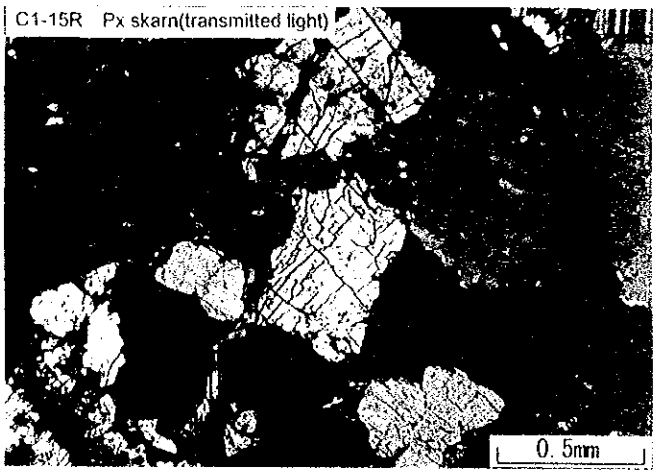




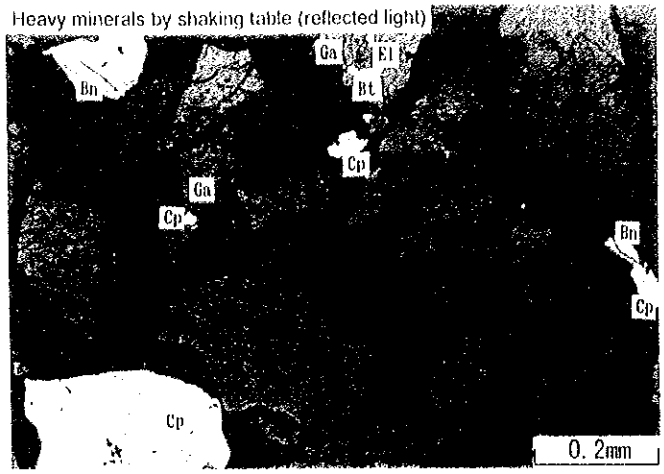
Appendix 16 Photomicrographs of the Polished Thin Sections for Mineral Separation Test

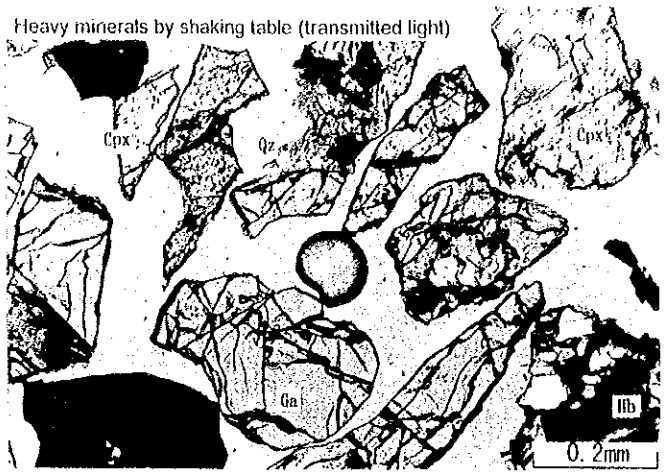


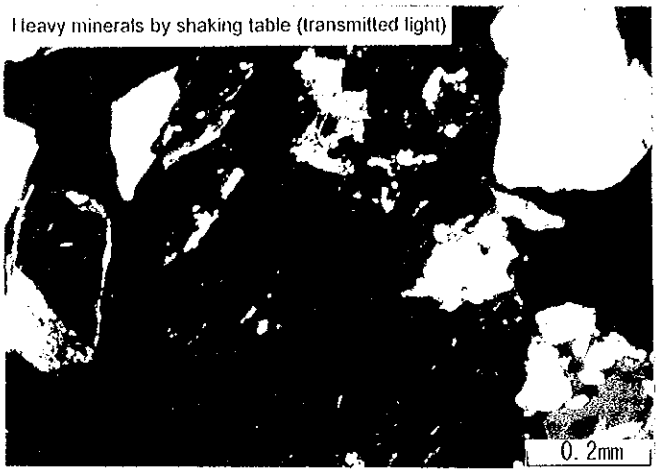


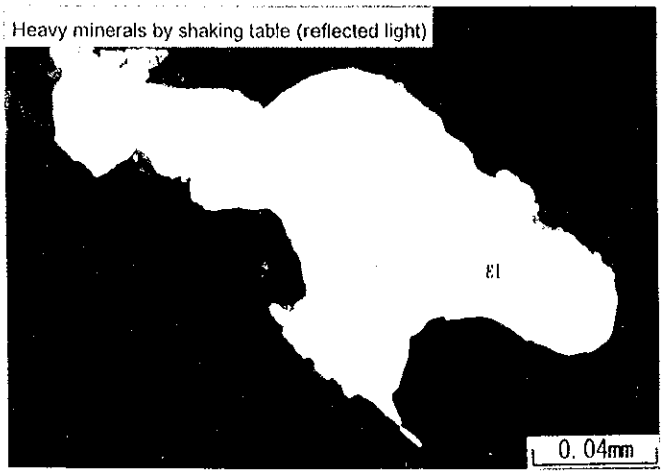


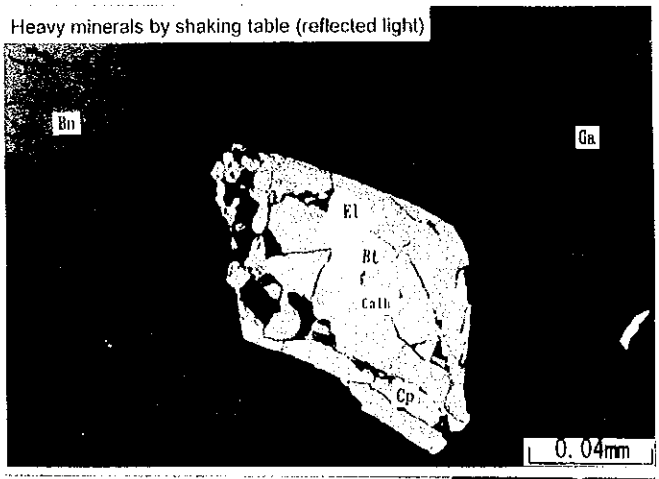
Appendix 16 Photomicrographs of the Polished Thin Sections for Mineral Separation Test

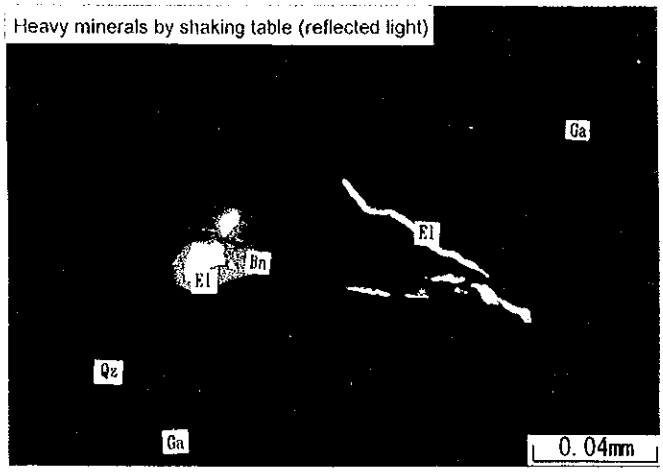


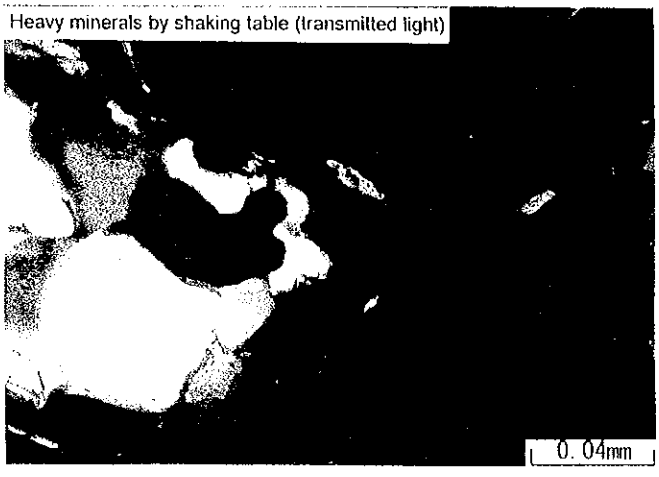


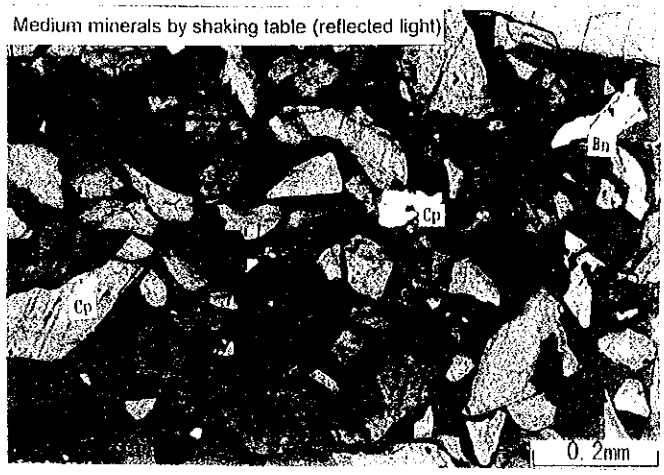




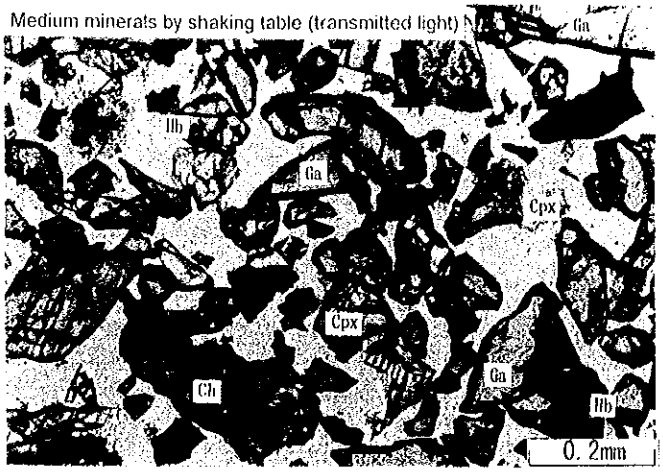


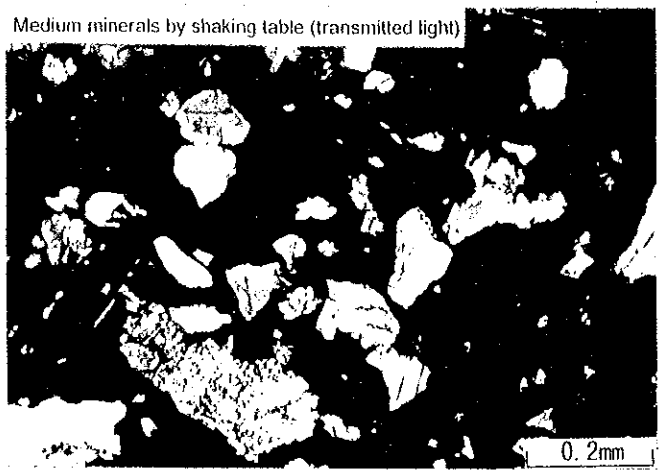


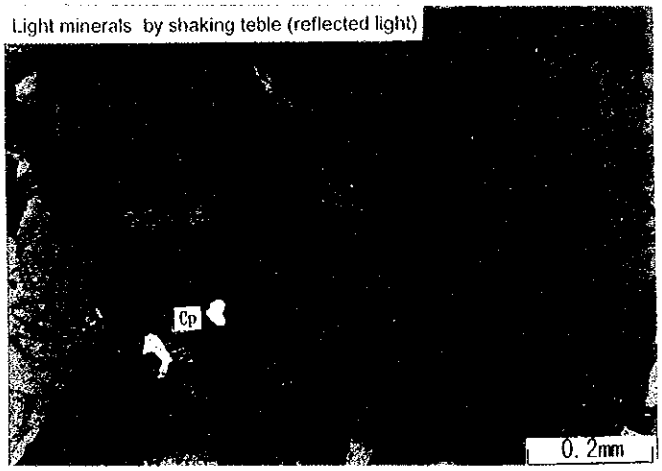


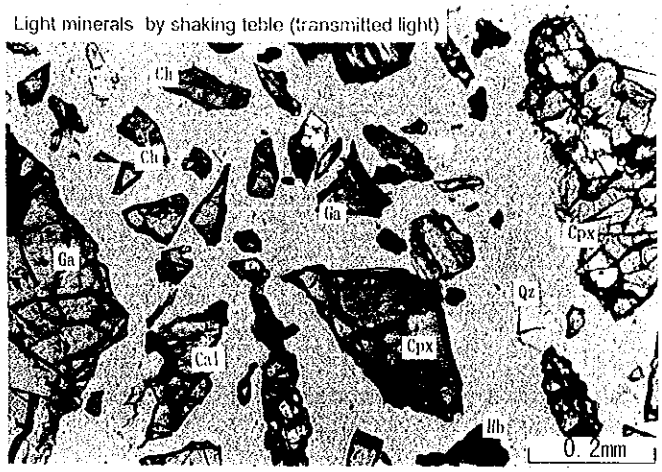


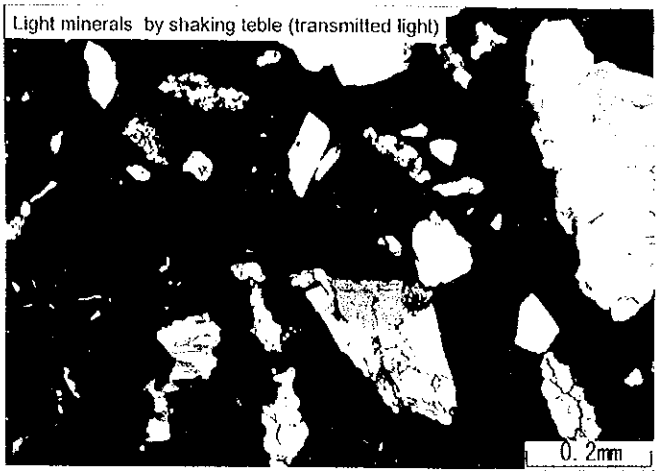
Appendix 16 Photomicrographs of the Polished Thin Sections for Mineral Separation Test

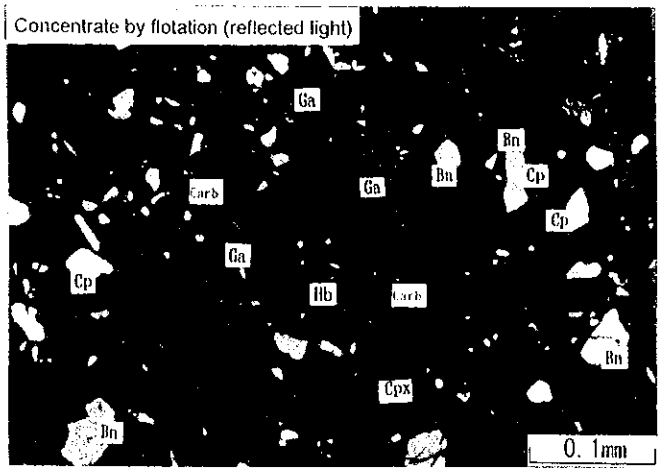


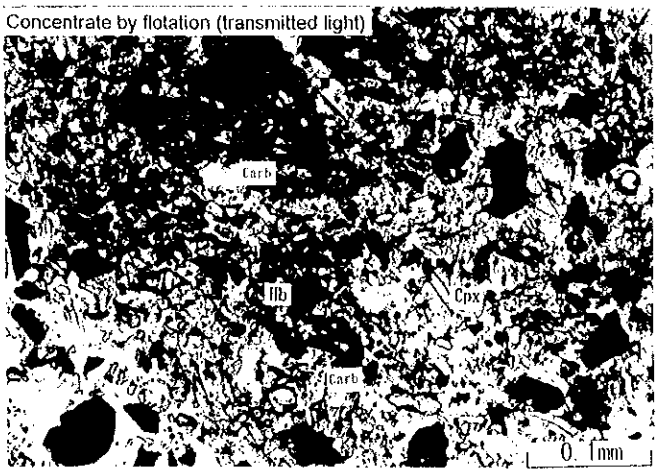


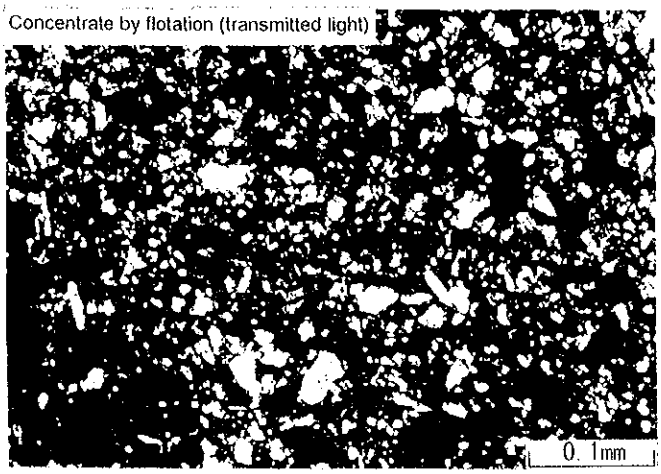




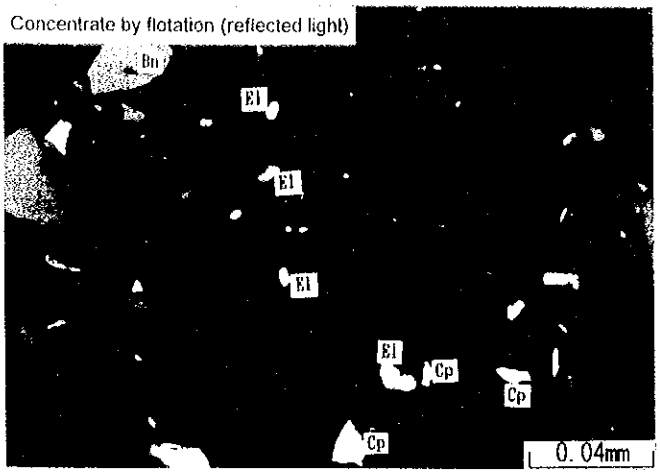


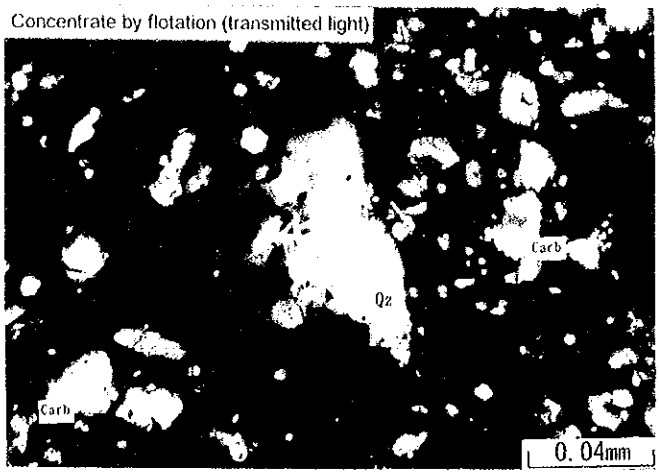


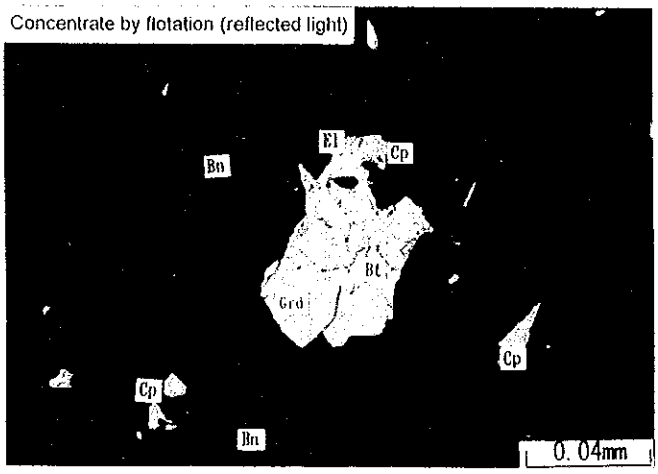


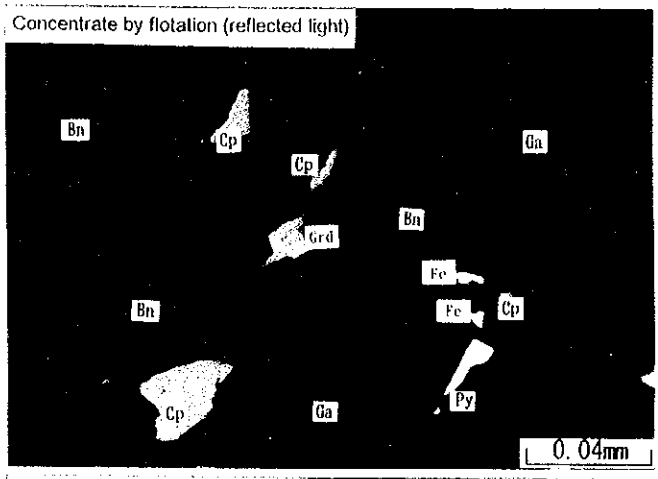


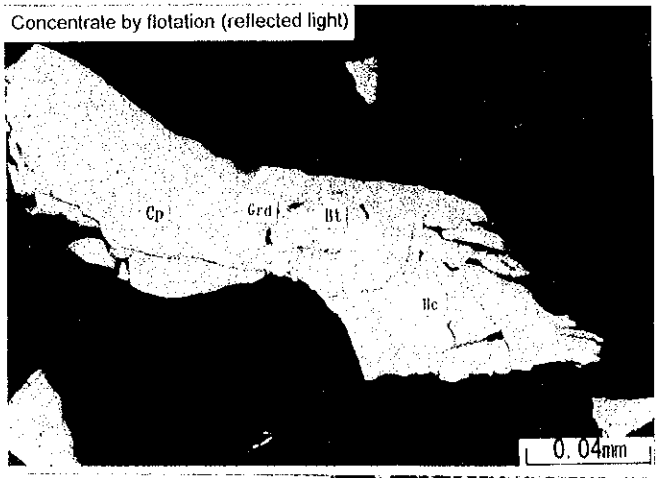
Appendix 16 Photomicrographs of the Polished Thin Sections for Mineral Separation Test

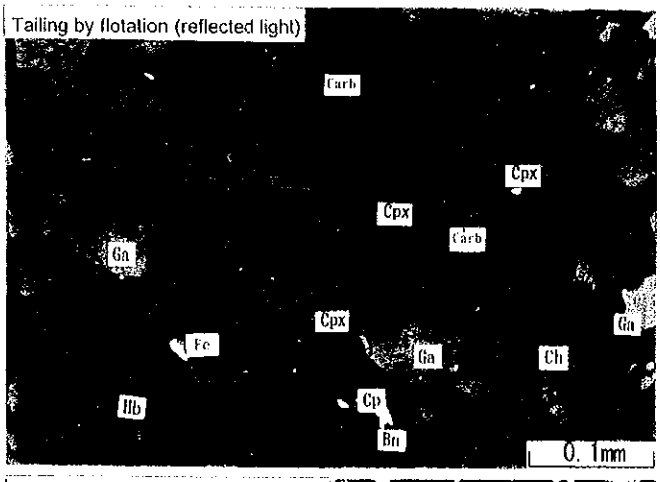


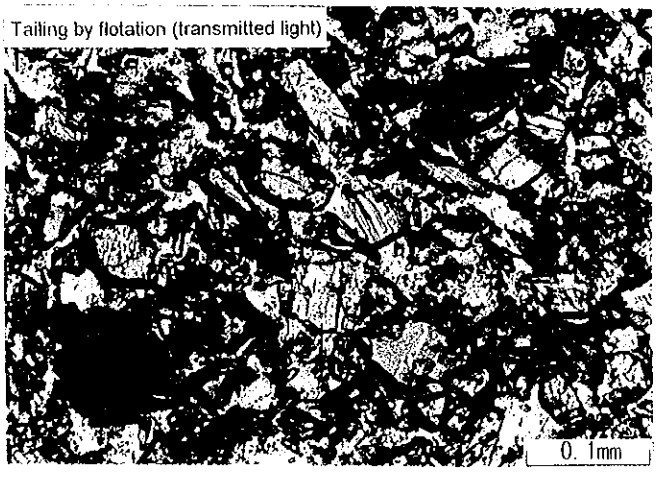


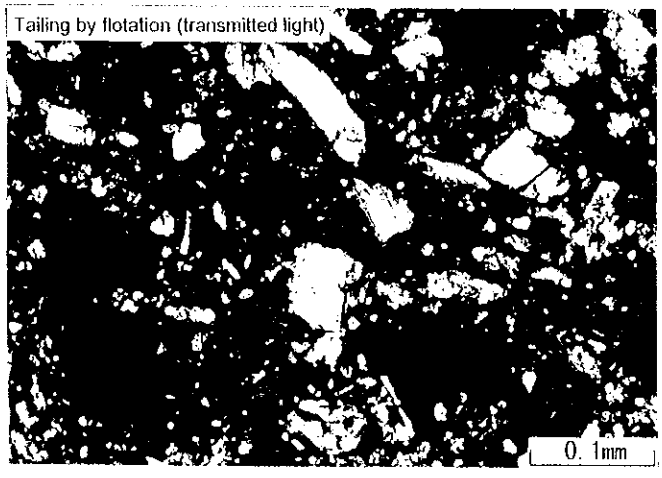












Appendix 17 Assay Result for Mineral Separation Test

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		
		Mode(%)	100	0					6	3			1	63	17	3		2	1	0	3		
2	Light minerals	Counting	1000									6	52	347	347	73		87*			40	15	25
		Mode(%)	100									0	5	35	35	7		9			4	1	3
3	Concentrate	Counting	1000	1	1	3	1	1	111	139	3		14	294	175	37	196			1	23		
		Mode(%)	100	0	0	0	0	0	11	14	0		1	29	18	4	20			0	2		

Amp:Amphibole
Asp:Arsenopyrite
Bn:Bornite
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	El with Cp	Au , Ag , Cu	
2	Heavy minerals	El with Bi	Au , Ag , Cu , Pb , Fe , Bi , Se , S	El coexist with Bi and Clah
3	Concentrate	El with Qz	Au . Ag , Si	Fine El spots included in Qz
4	Concentrate	El 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 includs Bi

Bi : Bismuth , Clah : Clausthalite , Cp : Chalcopyrite , El : 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 , ϕ 180 μ m
2	Electrum in heavy minerals (2)	61.0	39.0	46.2	53.8	grain in Cp , ϕ 18 μ m
3	Electrum in heavy minerals (3)	56.1	43.9	41.2	58.8	grain in Bn , ϕ 13 μ m
4	Electrum in heavy minerals (4)	53.6	46.4	38.8	61.2	film along Ga , thickness 2 μ m
5	Electrum in heavy minerals (5)	70.3	29.7	56.4	43.6	grain in Ga , ϕ 12 μ m
6	Electrum in concentrate (1)	60.8	39.2	45.9	54.1	grain in Qz , ϕ 3 μ m
7	Electrum in concentrate (2)	72.1	27.9	58.6	41.4	grain in Qz , ϕ 12 μ 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

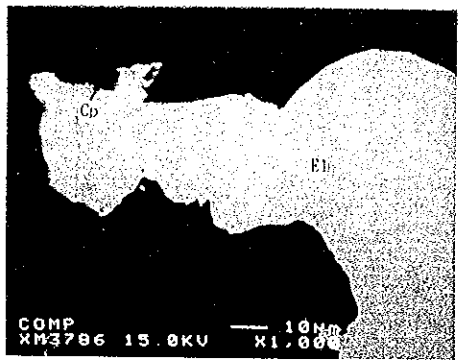
Photomicrographs of EPMA Analysis for Mineral Separation Test

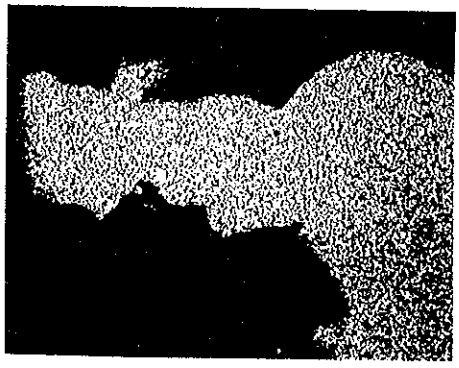
Abbreviations

Bi :Bismuth
Clah :Clausthalite
Cp :Chalcopyrite
El :Electrum
Grd :Gersdorffite (Ni,Co)AsS
Hc :Hauchecornite $Ni_9Bi_2S_8$
Qz :Quartz

Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

Sample no.
1
Sample name
Heavy minerals





Mineral composition	
Au	
Cu	Ag

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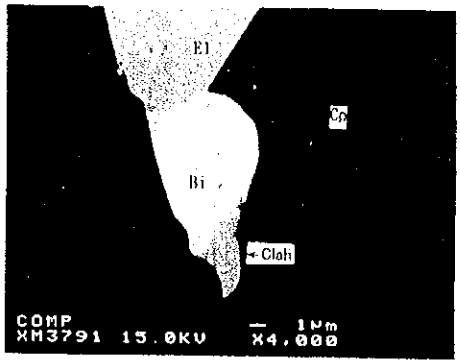
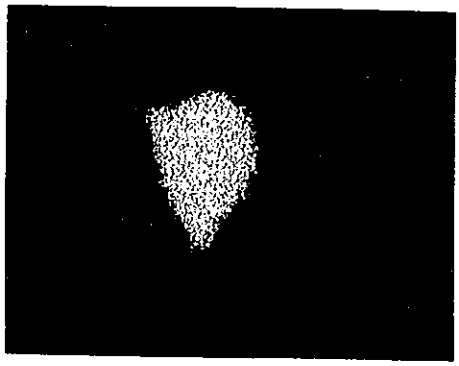
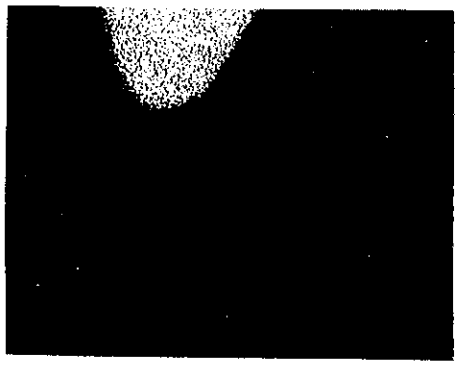
Sample no.
2
Sample name
Heavy minerals







Mineral composition	
Au	
Bi	Ag

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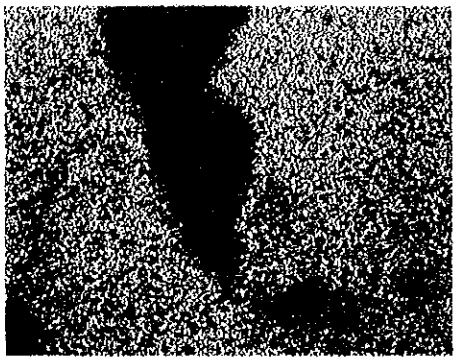
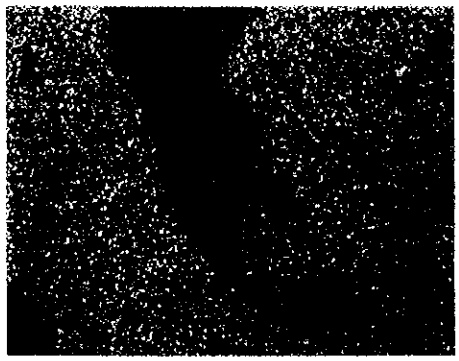
Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

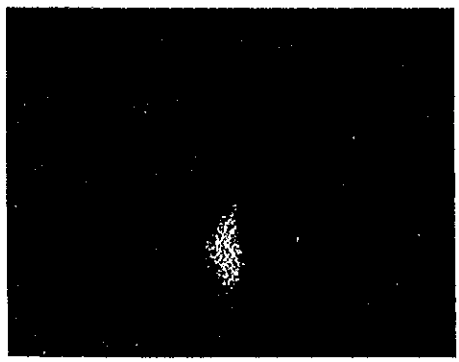
Sample no.
2
Sample name
Heavy minerals





Cu

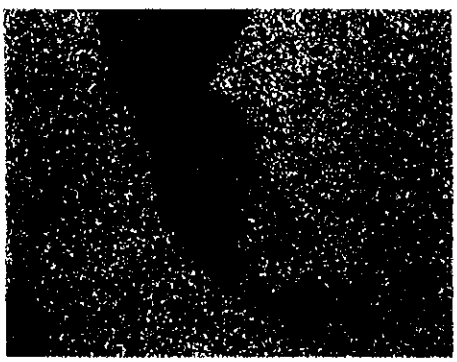
S



Pb

Se

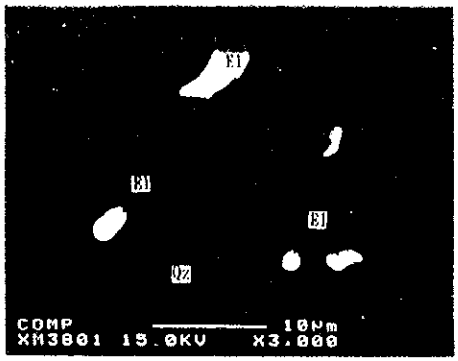
Sample no.
2
Sample name
Heavy minerals

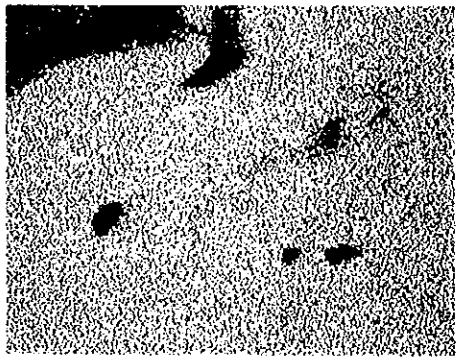


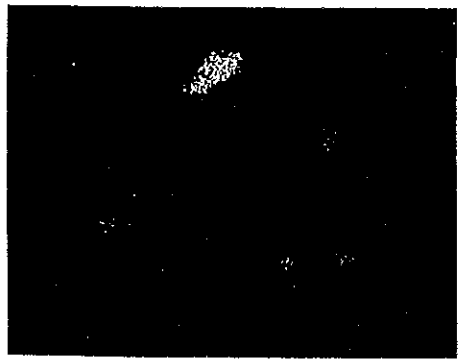
Fe

Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

Sample no.
3
Sample name
Concentrate







Mineral composition	
Si	Au
	Ag

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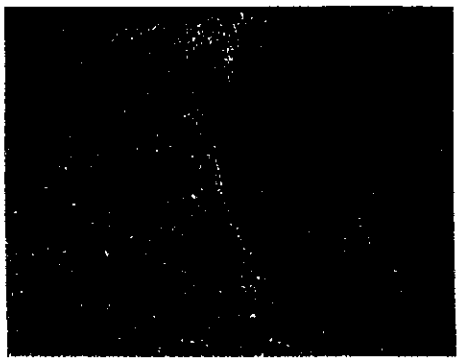
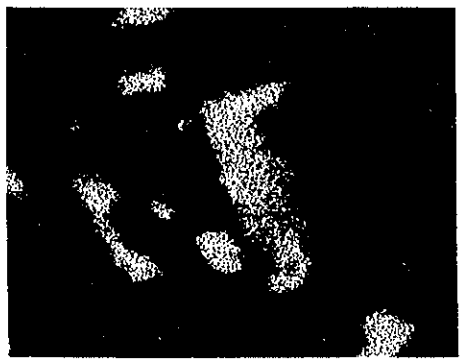
Sample no.
4
Sample name
Concentrate





Mineral composition	
Co	Ni
	Bi

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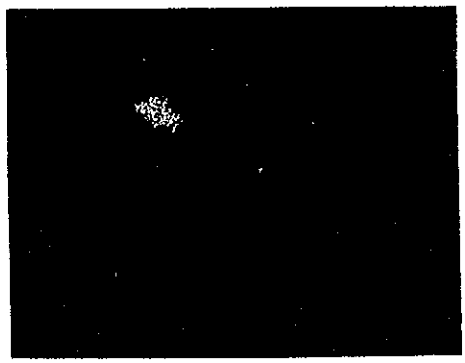
Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

Sample no.
4
Sample name
Concentrate



As | S

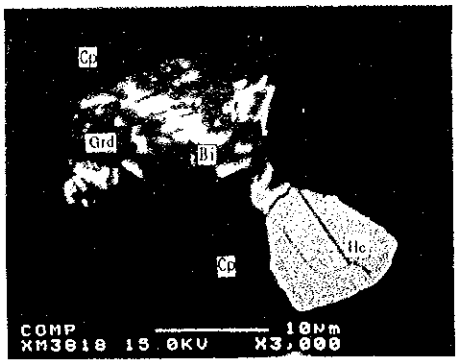
Au | Ag

Sample no.
4
Sample name
Concentrate

Cu | Fe

Appendix 21 Photomicrographs of EPMA analysis for Mineral Separation Test

Sample no.
5
Sample name
Concentrate



Mineral composition	
Co	Bi
Ni	

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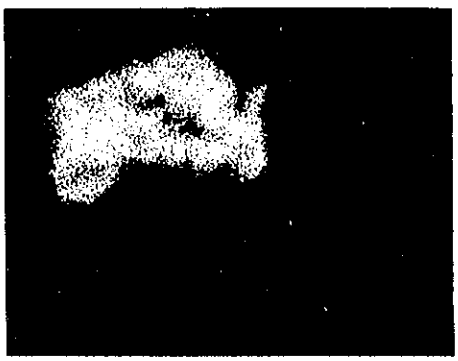
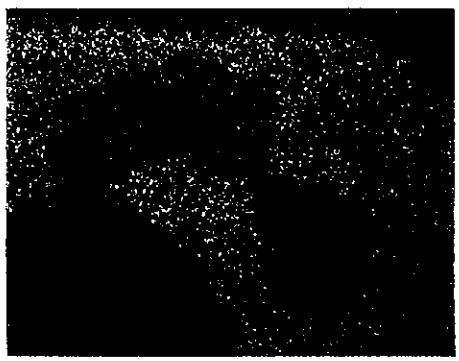
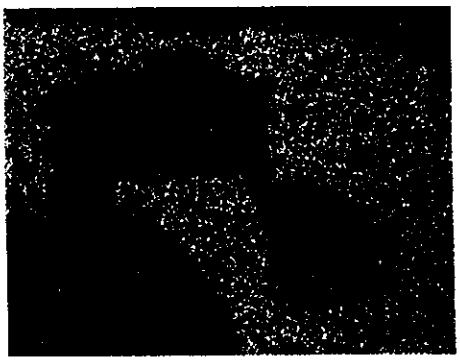
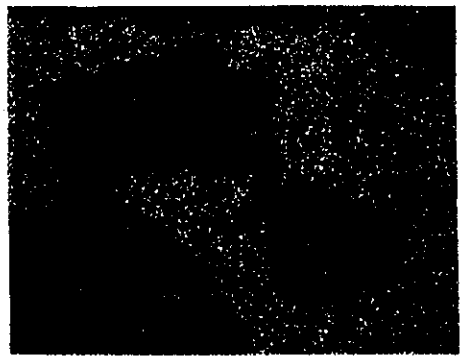
Sample no.
5
Sample name
Concentrate









As	S
Cu	Fe

Appendix 22

Geologic Core Logs (MJKA-14～18)

Abbreviations

alt	: alterated/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 (1/4)

1/200

MJKA - 14 0.0 m - 60.0 m

Level 1857.1m Direction 300°
X(N) 2481.1m Inclination -70°
Y(E) 1370.6m Length 180.6m

LITHOLOGY	DEPTH (m)		DESCRIPTIONS
	0.0		
			weathered sandy like rock
	0.9		
			pebble & gravel of limestone
	3.7		
M			
	6.8	∠20°	Rb-brn z
M			
	6.9	∠60°	rb-brn z 2°
M			
	7.9	∠30°	dark rb-brn skd ma z.
M	8.4	∠30°	8.4~8.8 rb-brn z (∠20)
		∠60°	
		∠30°	ls, crl
		∠30°	
M		∠40°	
	15.2	∠8°	15.2-16.9 Hb lmp, Hb Max 8mm ave 2 mm, Pl Max 2mm ave 1 mm
			15.2-16.5 gry fresh
	16.5	∠90°	16.5-17.8 grn~grn wht skd lmp
	17.8	∠40°	17.8 Qz vla-all zone 3°, yel-l-grn zone 12°
	18.6	∠80°	Ga 2mm 17.9~18.9 grn-gry,gry altered phano
Cu	18.9	∠40°	spotted dike,drn-gry fng part and drn-gry spotted part
M			Ga 2mm, Cu,rb-brn moles
	20.2	∠30°	rb-brn & fng py-sld z 3mm(∠70)
M			
	37.1	∠30°	37.1~40.0 yel-wht arg dike,gry spots remain
	38.4	∠20°	
	40.0	∠45°	
	40.7	∠35°	limo v 3mm
	41.2	∠20°	slicken
	41.3	∠40°	limo v 1°
M			
	60.0m		

DEPTH (m)	SAMPLE #	ASSAY RESULT Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
										8.2
15.0										
16.0	A14036	0.012	<0.3	90	15	90	-	-	3	
										16.0
17.0	A14037	-	<0.3	50	12	70	-	-	5	T
17.8	A14038	0.012	<0.3	70	30	90	-	-	4	17.6
18.0	A14001	2.8	0.2	40	4	120	-	-	9	17.8
18.9	A14002	0.6	0.2	150	15	120	-	-	7	T
										18.7
37.1										
38.0	A14003	0.6	0.2	300	4	150	200	150	1.5	X-T
										38.1
39.0	A14004	0.02	<0.1	120	4	150	1200	200	3	
40.0	A14005	0.6	<0.1	120	6	150	3000	700	3	
41.2	A14039	-	-	30	<3	-	1500	300	2	

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

1/200

MJKA - 14 50.0 m - 100.0 m

Level 1857.1m Direction 300°
X(N) 2481.1m Inclination -70°
Y(E) 1370.6m Length 160.6m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
		50~67m } 0° o.c. 70~75m }											
M													
	83.7 84.0	∠0° Ga >0.5° w/Azurite											
	85.6	∠30° brn-gry fng Ga v 3°											
	86.6 86.9	∠5°~20 slicken											
M	87.9	∠30° Ga 2cm 87.9-88.2 l-gry skd dike,gry pheno spots	87.4										
Cs	88.2	∠50° ∠80° slicken upper contact,Ga w/Cp,Cu	88.2	A14006	0.12	0.9	300	4	120	-	-	3	P
M		<Hb pheno ave 1mm,f-mdg holocrystaline> same as MJKA-15 87.8 dike											88.0 88.2
	89.0	∠70° slicken ∠0° O.C.											
	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	∠10°											
	97.0	∠10° grn and rd-brn z											
	98.4	∠60°											
	99.2	∠70° gry z											
	100.0m												

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

1/200

MJKA - 14 100.0 m - 160.0 m

Level 1857.1m Direction 300°
X(N) 2481.4m Inclination -70°
Y(E) 1370.6m Length 160.6m

LITHOLOGY	DEPTH (m)		DESCRIPTIONS
M	102.2	∠40°	102.4-109.3 Ga-Px sk, mdg Px, minor Qz
	102.4	∠80°	
	102.6	∠10°	slicken 102.2-103.5 mdg Px sk
	103.1	∠50°	Q v 2mm
	103.5	∠70°	103.5-104.2 Sid-Mt-Py-Ga Zone
	104.0	∠0°~10	slic Sid: concoct of Px sk,2°,w/Mt
	104.2	∠40°	Py: fng, banded Mt: diasem, spots
			104.2-105.4 Mt-Ga-Px sk,Mt: spots~diasem,minor Px
	105.4	∠?	f.gauge 1° slic
			105.4-109.1 l-gry wk alt lmp (candle like color) Hb d-grn, Fld remain, Hb grn max 3mm max 2mm
	108.2	∠25°	slic
		∠0°	∠ 30 slic zone
	109.1	∠30°	109.1~125.9 Px-Fld sk 109.1-112.7 Qx 30% 112.7-125.9 no Ga
	110.2	∠20°	Qz-Ca 3mm
		∠8°	C.C.
	110.8	∠0°	Qz-C a 3mm
	111.25	∠30°	111.25-112.0 grn-l-gry sil-skd lmp upper part porph remain porph lower part fng equigranular texture remain, big pheno few
	112.0	∠25°	
	112.7		
	113.1	∠40°	Asp-Qz v 1.5°
	114.0	∠40°	Asp-Qz v 1.5°
	115.1	∠60°	brn Ga-Qz v 0.4°
	115.5		
	115.9	∠40°	Asp-Qz v 1°
	116.6	∠30°	116.6-117.4 l-blue feldspar like mineral
	116.9	∠10°	Cav 0.5°
	117.4	∠?	
	118.3	∠50°	118.3-120.3 finer grain, less Fld
	118.8	∠70°	115.8-118 rd-brn fng Ga (lmp) 10°
	119.5		
	120.0	∠40°	Asp-Qz 4°
	120.3	∠40°	120.2-120.3 rd-brn fng Ga (lmp) 10°
			120.4-124.2 Asp-Qz v 3-5mm 10/m,∠40
	121.5		
	123.0	∠60°	dike porphyritic d-rd-brn
	123.7		124.2-133.2 Asp-Qz v 2-3mm 8/m
	124.7	∠40°	Asp-Qz v 2°
	124.9	∠40°	1°
	125.7	∠40°	125.9-131.2 finer grain Fld-Px sk
	125.9	∠30°-60°	sh =± 1° w/Q v 1°
	126.2	∠40°	Qv 2-4° Asp-Qz v 2°
	126.8	∠60°	Qz v 1°
	128.1	∠50°	Qz v 1°
	128.3	∠40°	
	129.7	∠10°	slick
	131.2	∠50°	131.2~134.2 wk skd gd colored min=colonies min m-fng
	131.6	∠40°	Qz v 1°
	132.2	∠50°	Q 1.5°
	132.3	∠0°	132.3~1347 shear crack z
	134.2	=(30°)	134.2~139 gd
			134.2~161m ±∠40°1mm sil-Qz vl 3/2cm
	135.0	∠40°	Qz v 1°
	135.3	∠60°	Qz v 1°
	136.2	∠45°	Asp v 1mm 136.0~136.5 fng
			139~161m gdp Pl :±5mm rectangular
	140.5	∠60°	Qz v 1°

160.0m

DEPTH (m)	SAMPLE #	ASSAY RESULT Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
102.2										
103.5	A14007	0.6	-	15	<3	90	-	-	1.2	P 103.0 103.5
104.2	A14008	0.8	0.3	90	30	150	7200	1500	1.5	P 104.2 104.3 P
105.4	A14009	1.1	<0.1	70	3	300	1600	150	1.2	T 105.7
106.9	A14040	0.012	<0.3	60	7	50	-	-	5	
107.4	A14041	-	-	70	5	40	-	-	3	107.8
108.4	A14042	0.012	-	50	7	30	-	-	4	
109.1	A14043	0.012	-	30	7	40	-	-	4	T 109.6
110.0	A14010	0.12	<0.1	30	5	120	-	-	2	
111.0	A14011	0.2	<0.1	70	16	200	-	-	3	
112.0	A14012	0.04	-	12	7	120	-	-	3	111.0
113.0	A14013	1.3	0.2	150	12	200	300	-	3	P 115.1
114.0	A14014	1.2	<0.1	90	30	200	1600	-	5	113.8 P 114.0
115.0	A14015	1.0	<0.1	70	15	200	2000	-	7	
116.0	A14016	2.3	<0.1	30	5	300	200	-	6	
117.0	A14017	0.9	2	12	5	150	-	-	9	
118.0	A14018	1.3	0.15	20	9	200	-	-	7	
119.0	A14019	1.1	<0.1	30	5	150	-	-	7	T 119.1
120.0	A14020	1.7	0.15	50	12	150	700	-	7	
121.0	A14021	5.0	0.2	40	15	150	2000	-	7	P 120.4
122.0	A14022	2.6	0.2	50	15	150	800	-	7	
123.0	A14023	4.3	0.5	30	12	150	800	-	7	
124.0	A14024	1.4	0.15	20	<3	120	-	-	3	
125.0	A14025	5.9	0.7	30	12	120	4000	-	9	P Qv 124.6
125.9	A14026	4.4	0.5	15	7	70	-	-	18	P Qv 125.5
126.3	A14027	2.9	0.15	30	5	70	3000	-	12	
127.0	A14028	2.8	0.15	30	15	200	-	-	9	
128.0	A14029	2.7	0.15	15	7	90	-	-	12	
129.0	A14030	1.9	<0.1	<10	9	120	-	-	9	
130.0	A14031	3.3	0.15	20	12	120	-	-	12	
131.0	A14032	1.6	<0.1	40	15	120	-	50	5	T 130.8
132.0	A14033	2.5	0.3	30	12	90	-	-	30	131.7
133.0	A14034	1.4	<0.1	70	9	70	300	-	9	
134.2	A14035	1.2	<0.1	30	15	30	300	-	15	T 134.5
135.2	A14044	0.5	<0.3	50	20	-	1200	-	7	
136.2	A14045	0.9	<0.3	70	15	50	700	-	12	
137.2	A14046	0.6	<0.3	30	20	50	600	-	13	

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

1/200

MJKA - 14 150.0 m - 181.0 m

Level 1887.1m Direction 300°
Y(N) 2481.1m Inclination -70°
X(E) 1370.6m Length 180.6m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
	155.0	∠0° slick											
		∠30° slick											
	161.0	∠20° slick											
	161.6	∠20° slick											
	163.1	∠60° 163.1~163.5 gry lmp											
	163.5	∠40° porph Pl round 2-3mm max 1°, Qz 2mm											
	165.2	∠30° slick											
	168.6	∠60° 168.6~168.9 Qv zone, sil											
	168.9	∠60°											
	169.0	∠55° 0.5° gry brn v											
	170.9	∠70° d-gry fng lmp contact 0.5° chilled margin											
	171.3	∠60° (aphyric blu-grn)											
Cp,Py	172.3	∠40° Cp-Py spots in 1mm Qvl											
		sh 3° cataclastic											
Asp	173.7	∠40° Asp-Qz v 1mm											
Asp	174.0	∠40° Asp-Q v 1.5°											
	178.0	∠40° sh 3° cataclastic											
	179.8												T 179.7
	179.9	∠(5°) 179.7~179.8 aplite											
Mo,Asp	180.7	∠50° Mo-Asp-Qz v 0.4°											F 180.7
		181.0m The End											

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

1/200

MJKA - 15   0.0 m - 50.0 m

Level 1667.1m Direction 300°
X(N) 2491.1m Inclination -70°
Y(E) 1370.6m Length 160.6m

DEPTH (m)	Angle	DESCRIPTIONS
		sand like core (wht ma)
0.8		sub round ø5±cm,(wht ma,gr&dk gry alt (Hb,Ga) ma
1.7 / 1.8 / 2.0	∠60°	2cm gry Bl-Ga alt band
		ø5-15cm sub round ,brn-gry(Bt-Ga)....
2.7	∠60°	brn-gry band
3.1	∠60°	brn-gry band
3.5	∠50°	brn-gry band
		4.4-4.8∠0 O.C.
		5.0-5.4∠0-10° rd-brn Ga band 1.5°
5.7	∠30°	5.7-6.0 slicken side
7.0	∠30°	rd-brn Ga band 1°
7.5	∠45°	rd-brn Ga band 1°
7.8	∠10°	rd-brn Ga+Ep band 1.5°
8.2	∠30°	rd-brn Ga+Ep band 1.5° Max 3°
8.7	∠35°	O.C. ma-Imp contact no alt no min
8.9 / 9.0	∠10°	Qz stringer
		d-gry fng Imp,fresh phenocl Hb columnar± 4mm,>Qz 0.5-3mm >Bl ±2mm
11.2	∠50°	l-gry-wht aphyric margin
11.3	∠50°	limo-Ca v 0.5°
12.6	∠30°	slicken
12.7	∠10°	O.C.
13.5	∠40°	lm-Ca v 0.5°
17.6	∠30°	O.C.
18.2	∠0°	O.C.
20.0	∠10°	O.C.
21.35	∠60°	gry Imp, 10cm Ga sk<Hb phmo,3cm Ga sk
21.4	∠60°	∠60 Ga vls, 20.5~20.6∠0 malachite-limo vl
22.1	∠40° / ∠25°	O.C. ∠45-55 grn-gry sknd 1-2°
22.8	∠30°	gry Imp.....non alt
23.0	∠35°	yel-wht argillized,limonet
23.4	∠35°	2cm parallel Ca vts (slick)
23.8	∠60°	2cm parallel Ca vts (slick)
24.0	∠50°	limo v 0.3° wht arg.Imp 23.8-25.3 limonet
24.6	∠40°	wht clay (1°)
25.1	∠30°	Ca-Limo v 0.3°
26.2	∠30°	26.1~26.2 wht ma
26.4	∠60°	
26.6	∠0°	26.6~27.2 slick wht alt vein 1°
27.4	∠60°	27.4 4cm ma band Cp.brn-rd oxide,rd-brn oxide
27.5	∠35°	f sh +1° wht clay
27.55	∠35°	f slicken 27.55~27.70 brec(alt Imp-ma-Cp)
27.7	∠60°	O.C.(f)-alt Imp boundary ∠50°
28.4	∠5°	O.C.
29.1	∠60°	O.C. limo
29.4	∠50°	O.C. limo
30.2	∠45°	O.C. limo v 0.5° (f)
30.3	∠30°	O.C. limo
30.7	∠0°	O.C.
32.2	∠60°	O.C. limo
32.7	∠60°	slick
		O.C.
33.7	∠50°	
35.2	∠50°	O.C.
35.4	∠60°	O.C.
36.2	∠30°	limo v 1mm 36.2~36.6 d-gry ....ma
37.5	∠0°	O.C.
38.4	∠40°	slick ....brecciation
39.5	∠60°	slick 5 cm
39.9	∠30°	s39.9~40.4 gry brn Ga-Bl
40.5	∠30°	O.C. limo
41.1	∠60°	
41.4	∠35°	41.4~41.7 rd-brn
41.7	∠30°	41.7~6 cm siliceons skn vein (skd Imp?) d-gry aphyric, Cp vl, rd-brn lower 4°
42.7	∠40°	O.C. limo
43.2	∠30°	O.C. limo 1 mm
43.3?	∠60°	O.C. limo
43.3?	∠60°	O.C. limo
45.2		45.2 ø2cm & ø3cm fng rd brn Ga w/grn Px clots
49.7	∠40°	wht clay f 1°
50.0	∠30°	

50.0m

LITHOLOGY: M

ASSAY RESULT

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)
20.9									
21.35	A15069	0.02	–	30	4	–	–	–	1.2
21.7	A15001	9.8	70	10000	30	200	500	400	3
22.7	A15070	0.12	<0.3	200	12	120	–	–	7
23.0	A15002	0.8	0.5	300	40	150	–	–	3
23.4	A15003	0.7	0.7	700	5	120	300	90	5
23.8	A15071	0.012	<0.3	50	4	–	150	150	1.2
	A15004	0.04	0.15	120	5	300	400	200	3
25.3									
26.4	A15005	0.02	–	20	<3	150	–	–	3
27.4	A15006	0.8	–	20	7	150	–	–	4
27.7	A15007	0.5	1.2	9000	7	150	–	120	3
41.7 / 41.9	A15008	0.07	<0.1	50	5	Tr	–	–	1.5
49.7 / 50.0	A15072	0.05	<0.3	120	15	20	–	–	3

LAB. TEST

- 10.2 Hb Imp
- S 21.5 Ma-Az (CP) 22.1
- (CP) 23.6 arg Imp
- (TX) 24.6 arg Imp
- (T-X) 26.8 arg Imp
- (P) 27.4
- (P) 27.6 brc ma

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

1/200

Level 1867.1m Direction 300°
X(N) 2461.1m Inclination -70°
Y(E) 1370.6m Length 140.6m

MJKA - 15 50.0m - 100.0m

DEPTH (m)		DESCRIPTIONS
50.3	∠30°	49.8~50.3 dk color ....,d-g/y fng Cp diss>grn wht sk(imp?)
50.9	∠20°	O.C. limo
51.4	∠20°	O.C. limo
52.3	∠10°	O.C. limo
53.0		
		O.C. limo
54.4		
54.6	∠35°	54.6~55.05 rd- brn sk zone
55.3 / 55.8	∠50° / ∠60° }	rd-brn sk stringers (<1mm) zone
56.3 / 56.5	∠30° / ∠60°	56.3~56.5 3° sk zone 56.5~57.6 l-gry sk zone (Bi-Ga)
57.6	∠20°	
58.3	∠20°	O.C limo.
58.8 / 59.0	∠20° / ∠0°	O.C. / O.C.
59.3 / 59.5	∠20° / ∠10°	slick / slick
59.9	∠70°~60° / ∠60°	slick 59.9~60.0.,59.7~60.2 brecciated,-dr (sk) zone
60.6	∠30°	l-gry (sk) zone 5°
61.0 / 61.3	∠60° / ∠60°	slick / O.C. limo
61.9 / 62.1	∠30° / ∠40°	O.C. limo / slick
62.7	∠10°	slick
64.1 / 64.4	∠40° / ∠0°	slick-breccia / curved slick
66.7	∠0°~5°	66.7~67.5 rd-brn,d-gry(skn)zone
67.5 / 67.6	∠0°~5° / ∠5°	67.5~67.6 d-gry fng sulphide stringers
		67.6~67.6 gry porph imp, +1mm Ga net∠70, rd-brn Ga v 2cm shear, Cu, limo Ga shear 4cm brec+clay (Cu, v limo) <Hb d-color spots ave 2mm,matrix rd fng equigranular 1mm>
69.8 / 69.9	∠5° / ∠50°	O.C. 5/20cm
70.2	∠10°~20°	O.C. limo
72.0 / 72.2	∠20° / ∠25°	71.7~71.9 brec 72.0~73.1 mdg px-Ca-sk 72.3 fissure
73.0 / 73.1	∠35°	72.6~73.1 Ga sk f brec filled with Ca, 2° 73.1(f)~74.1(graduary)∠3°,grn-gry pl.spotted skd
73.9 / 74.1 / 74.2	∠40° / ∠0°	f slick sh filled with cal 1° f 74.15~75.7 f sh5° limo powdery 73.3~74.2 ∠40-60 1mm Ga v, olv-grn cal breco
75.2	∠20°	f sk-1° cal v 74.2-74.4 brn Ga sk
75.7		74.4-75.2 Ga-Px sk 75.2-75.7 brn Ga sk
76.4	∠5°	75.7-77.3 brn Mt Ga sk & Px sk
76.9	∠20°	77.3-78.9 Mt-Px sk
77.6		77.3-77.6 csg 77.6-78.9 mdg
78.0	∠40°	78.0 6° Qz v
78.9	∠20°	Qz v 2° 78.9-80.1 Mt-Px-Ga sk Ga:fng(skd dike)
79.5	∠30°	slick Px net like mostly∠20, Cp 79.4-79.5 grn-gry,equigranular∠1mm texture
80.1	∠20°	80.1-82.4 Mt-fng Ga -mdg Px sk
82.4		82.4-82.7 Q w/Px Big crystals
82.7	∠30°	f. grn-gry aphyric(sil?), few cm 82.7-86.5 gry porph mdg imp,weak alt 82.7-82.4 ,fng gradually change into mdg 86.4~86.5 fng fng part∠10 w=5° Qvis 30-40 ±1mm
		grn-grn aphyric
86.5	∠20°	86.5-89.0 (skd gabbro) Ga =Px>fld sk, Q vis ∠60 1mm~1°/10cm Asp>Cp occasionally igneous texture remain 86.5~91.9 grn-gry fng skd imp
88.6	∠40°	slick 0.5 cal
89.0 / 89.2 / 89.3	∠20° / ∠10° }	89.0~92.6 fng Px sk Q(Asp-Cp)v ±1mm/5° sh = 2cm d-gry cataclasite filled with cal
		90.0 gd texture
90.8 / 91.0	∠60° / ∠60°	l-rd-brn,skd-sil fng alt 91.0~91.4 0.1-0.4 ° ∠0 l-grn sil v
92.6	∠20°	reaction rim ∠2°
		92.6~93.7 skd gdp fng Q,vis ±1mm/9cm
93.4 / 93.7	}	Same as MJKA-14 131.2>
94.2 / 94.3	∠30° / ∠50°	93.7-94.2 grn Px sk 94.2-94.4 gry-wht sheard alt sk,fng d-gry f 2mm gry clay 94.2-95.6 Qz-Asp<Cp vis 2mm-5mm/2cm aphyric net 94.25~94.35 shear argillized f grn-gry clay ∠4°
95.1	∠50°	95.1~95.6 fng Px -Ga sk, many Qz vis∠50°
95.6 / 95.9		95.6~95.9 (skd) mdg gd 95.9~99.4 fng Px sk (skd igneous rock) 95.9-96.2∠60 many Qvis 0.1-0.5°/4cm(Cp>Asp)
97.0	∠60°	l-rd-brn gry fng sil alt rock
97.7	∠40°	
		98.2-101 1mm Q-Asp-Po (Cp>>Bo),5-10/m
99.4		99.4-101.2 grn-gry fng Px sk (imp?)
100.0m		

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)
50.2	A15009	12.3	3	3000	12	Tr	–	–	2
51.2	A15073	0.012	–	12	3	–	–	–	1.2
54.6 / 55.05	A15010	0.07	<0.1	50	<3	Tr	–	–	1.5
56.5 / 57.5	A15011	0.03		50	3	Tr	–	–	1.5
66.7 / 67.8	A15074	0.05	0.5	300	4	30	–	<30	5
68.8	A15012	3.2	0.2	90	5	150	–	–	120
69.8	A15013	3.7	4	3000	5	150	–	50	1.5
71.0	A15075	0.6	<0.3	120	3	–	–	30	1.5
72.0	A15014	0.07	<0.1	120	4	Tr	–	150	1.2
73.0	A15015	4.0	0.2	150	5	120	–	–	1.5
74.0	A15016	1.5	1.2	300	20	150	–	40	3
75.0	A15017	0.9	1.5	200	9	150	–	90	2
75.0 / 76.0	A15018	2.5	0.15	70	12	120	–	300	3
77.0	A15019	6.2	0.15	120	7	300	–	70	1.5
78.0	A15020	9.8	<0.1	90	3	300	–	–	1.5
78.9	A15021	26.7	9	40	3	150	–	–	1.2
80.1	A15022	1.5	0.2	500	40	200	–	–	3
81.0	A15023	1.6	0.15	400	3	150	–	–	1.2
82.0	A15024	3.1	0.4	300	7	300	–	–	1.2
82.4	A15025	1.6	0.5	400	3	300	–	<30	1.2
82.7	A15026	1.0	<0.1	15	4	30	150	–	15
84.0	A15027	0.09	<0.1	90	9	70	–	–	5
85.0	A15028	0.07	<0.1	90	12	120	–	–	3
86.5	A15029	0.04	–	70	9	90	–	–	7
87.5	A15030	1.6	0.15	120	5	150	–	–	3
88.5	A15031	1.5	<0.1	90	200	200	3000	–	2
89.0	A15032	1.3	<0.1	50	7	200	–	–	2
90.0	A15033	2.6	0.12	30	7	120	–	–	3
91.0	A15034	1.8	0.15	70	4	150	400	–	4
92.0	A15035	3.1	0.12	30	5	150	300	–	3
92.6	A15036	3.4	0.12	200	30	400	2000	–	12
93.6	A15037	1.5	0.15	90	20	120	4000	–	120
94.2	A15038	3.2	0.15	40	9	120	120	–	5
94.9	A15039	2.4	0.12	120	4	Tr	2000	<30	9
95.6	A15040	7.5	0.9	150	7	90	900	–	9
96.6	A15041	3.4	3	700	40	120	700	–	9
97.6	A15042	4.5	12	7000	9	200	–	70	5
98.6	A15043	3.3	<0.1	90	4	200	300	–	7
99.6	A15044	2.1	0.3	70	5	200	200	40	5
100.6	A15045	1.4	<0.1	90	4	200	–	–	5

LAB. TEST: T 72.6; S 73.6; P 75.9; 76.3; F 77.0; 77.8; P 79.7; F 79.8; (T) 84.7 gry imp; (T) 86.5 chilled margin; F 88.05 Asp-Q (T); ((T)) 89.3; F 90.5 Asp-Q; ((P)) 94.0; ((P)) 94.2; 94.7; P 95.4 Qvis; T 97.2; S 98.8; 99.8

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

1/200

MJKA - 16 100.0m - 150.5m

Level 1387.1m Direction 360°
X(N) 2481.1m Inclination -70°
Y(E) 1370.6m Length 150.5m

LITHOLOGY	DEPTH (m)		DESCRIPTIONS
	101.2	∠50°	101.2-111.0 skd mdg gd
	101.8	∠20°	101.8-102.2 f shear, slicken
			101.8-109.0 grn-gry~l-grn igneous texture remain Qz via∠ 60° 0.1~0.8°
	104.5	∠30°	silic Ca v 2mm
	107.1	∠30°	sk=1°, brec, limo
	109.0	∠70°	109.0-111.0 wt~p-grn wht skd mdg gd
			109.2-110.4 ∠20-50 o.c.many
	111.0	∠10°	O.C.
			111.0-123.0 gdp (pl pheno...)many Qz via ∠40-70 ∠60 common, w=0.1~1°/cm,l-grn-wht all along Cv
			115.5-119.3 crack limo
	119.0	∠10°	
	123.0	∠60°	123.0-150.5 fresh mdg gd
			Asp-Qz-(Mo)-(Cp) vis± 1mm,/4cm
	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°	sliken
			134.3-142.3 5~10slickenside/m∠40
	138.0	∠30°	Sh=?, sandy-like
	139.5	∠20°	sh=? , wht cly
	142.3		
	145.6	∠25°	145.6-147.0 Bi-Qz-Hb imp, fresh, mdg, l-gry no marginal facies(reaction rim)
	147.0	∠30°	
	148.0	∠40°	148.0-148.5 gry fng imp, round Pl ø1mm
	148.5	∠45°	chilled margines gry-grn aphyric w=2mmx2
	150.5m		

DEPTH (m)	SAMPLE #	Au (ppb)	Ag (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
100.6	A15045	1.4	<0.1	80	4	200	--	--	5	S
101.2	A15046	1.7	0.12	300	4	150	--	--	5	100.7 fng Px
102.0	A15047	1.0	0.15	90	5	150	--	--	5	
103.0	A15048	1.2	0.15	150	9	120	--	--	5	
104.0	A15049	0.15	0.15	150	9	120	--	--	4	
105.0	A15050	0.5	0.2	120	5	150	--	--	3	
106.0	A15051	0.09	<0.1	90	5	120	--	--	3	S 106.8 skd gd (md)
107.0	A15052	0.5	0.12	60	5	120	--	--	9	
108.0	A15053	0.9	<0.1	40	5	120	--	--	5	
109.0	A15054	1.8	0.15	30	7	120	--	--	3	(T-X) 109.0 wht sil
110.0	A15055	0.6	0.15	70	12	90	--	--	3	
111.0	A15056	0.8	<0.1	120	20	90	--	--	9	S 111.0 wht sil
112.0	A15057	0.5	0.12	50	12	150	1500	--	4	
113.0	A15058	1.8	0.3	50	30	30	200	--	40	S 113.0 sil net
114.0	A15059	0.15	0.12	50	15	120	--	--	7	
115.0	A15060	0.07	0.12	70	30	90	--	--	12	
116.0	A15061	0.07	<0.1	70	20	60	--	--	12	
117.0	A15062	0.12	0.12	30	15	120	--	--	5	
118.0	A15063	0.5	0.12	90	30	40	--	--	12	
119.0	A15064	0.7	0.12	40	15	120	--	--	7	
120.0	A15065	0.09	0.15	70	30	150	--	--	7	
121.0	A15066	0.05	0.12	50	15	120	--	--	7	
122.0	A15067	0.6	<0.1	20	30	40	--	--	9	
123.0	A15068	0.3	<0.1	90	12	90	150	--	3	
124.0	A15076	0.6	<0.3	50	15	40	150	--	9	F 123.6 fng gd
136.2										
137.2	A14048	0.6		30	20	50	500		13	
145.4										S 145.5 gd (T) 145.1 fmp-gd
146.4	A15077	0.6	0.3	50	12	60	120	--	12	
147.4	A15078	0.7	0.3	70	15	70	120	30	9	
148.4	A15079	0.6	<0.3	50	20	50	--	--	4 (T) 148.0 chilled	(T) 148.0 gd (T) 148.5 chilled
149.4	A15080	0.02	--	30	20	40	--	--	4 ss v=0.8°	S 148.0 gd 148.7
150 150.5	A15081	0.07	<0.3	70	20	40	--	--	7	

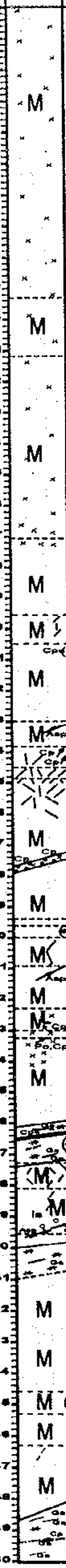
GEOLOGIC CORE LOG OF MJKA - 16 (1/5)

1/200

Level 1856.6m　Direction -
X(N) 2373.7m　Inclination -90°
Y(E) 1334.0m　Length 205.0m

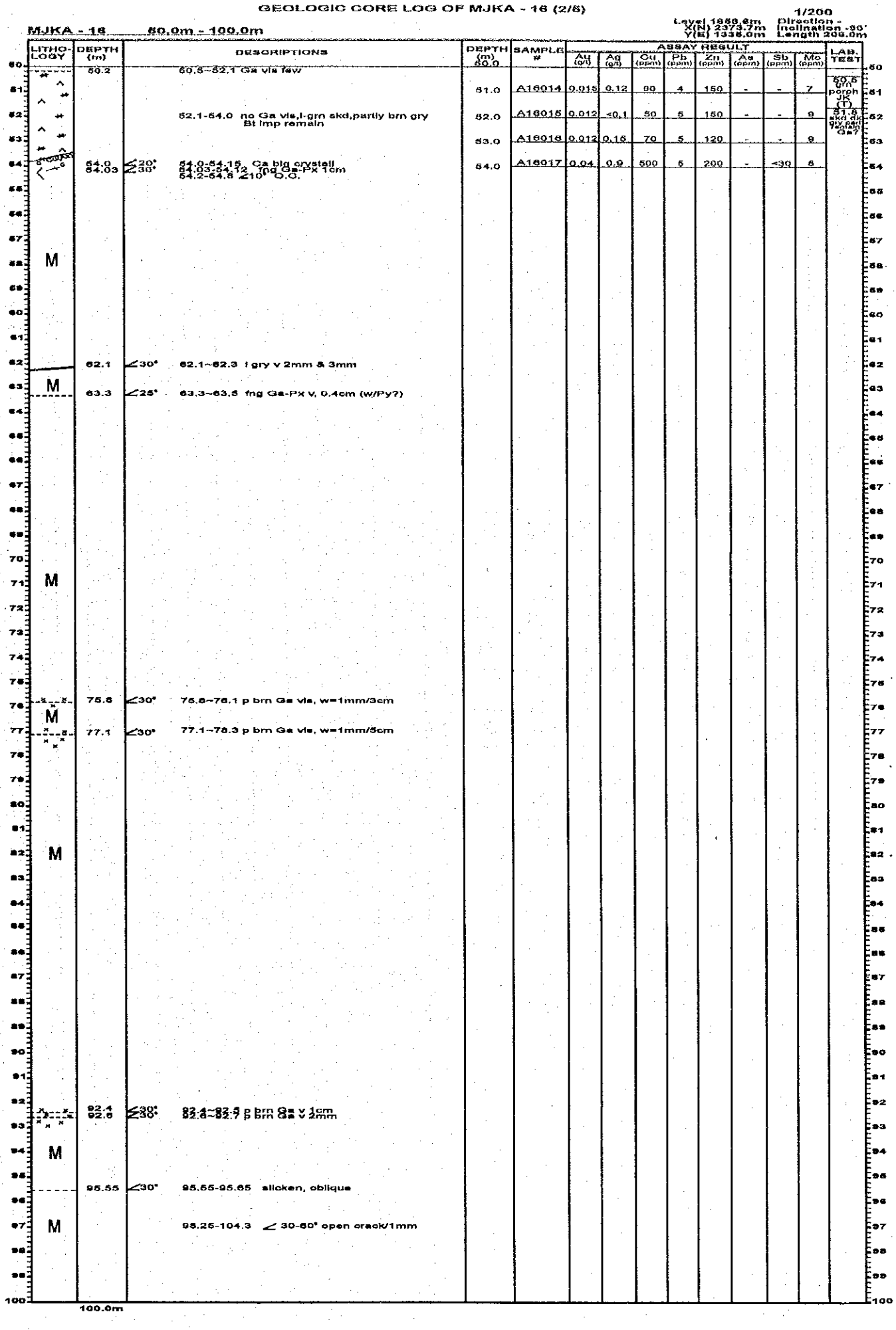
MJKA- 16　　0.0 m - 50.0 m

LITHO-LOGY



DEPTH (m)		DESCRIPTIONS
9.3	∠40°	rd-brn layer,(Cp dissem)
11.2	∠30°	11.2~11.4 rd-brn layer,(Cp dissem)
17.05		17.05~17.4 Irregular rd-brn layer
19.55	∠8°	19.55-20.0 O.C.
20.5	∠0°	20.5~20.65 Cp v, 1-2mm
23.0	∠56°	23.0-23.1 fng Asp v, 2-3 mm
		23.8-24.85 Ga skd dike w/Cp v 1mm
23.85	∠20°	23.85-24.5 Cp-(Asp-Ga) v, 2mm silver gry
24.5		24.5-25.6 freq z ø1~4cm fragmental core
24.9	∠(60°)	24.9-25.1 d-grn Px + brn Bt irregular cloud <5% (Cp,Po,Asdiss) >95% marble
		24.9-25.1 d-grn Px + brn Bt irregular cloud <5% (Cp,Po,Asdiss) >95% marble
27.2	∠30°	27.2-27.9 grn skd dike, f~mdg,dioritic texture remain abundant fld minor Ep rd-brn Ga v 0.5-2cm para (Cp spots),w=30cm
29.4	∠30°	29.4 O.C. limo
29.5	∠15°	29.5 - 30.05 brn Px-Ga skd dike,fng,(grn,Cu& Cp spots)
30.0	∠4°	30.0-30.9 O.C.
30.95	∠45°	30.95-31.05 fng Asp v 1mm
32.3	∠10°	32.3-32.5 rd-brn cloud (Ga+Px),2cm (Cp diss)
33.0	∠30°	33.0-33.05 fng Cp<Po vls 0.5 mm
33.25	∠0°	33.25-34.2 fng Px-Ga cloud 0.5-3cm, (Po blk mineral)
35.9	∠20°	35.9-37.3 fng grn-gry dike ,(Cp spots)
36.25	∠20°	Px-Ga skd
36.3	∠20°	Ga vls∠60, 1~3mm
37.3	∠20°	37.3-37.9 fragmental core ø1~4cm
38.1	∠15-25°	O.C. limo
		39.5-39.8 Ca big crystal
39.55	∠70°	39.55 Asp~l brn Ga vl 2mm
39.8	∠25°	39.8~40.7 fng grn-gry dike, less Ga vl (∠70°,3mm) many blk spots <1mm rd-brn sk stringers <1mm zone
40.7	5~20°	40.7 O.C.
44.6	∠0°	44.6-45.3 fng Px-Ga skd dike, partly semitransperent p-grn part (Bn vls <1mm w/Cp) rd-brn Ga z 1-2cm along margin
45.3		
46.3	∠25°	46.3~96.4 20~40 open crack/2m
48.0	∠10°	48.0~54.0 fng grn skd dike igneons texture
		48.0~50.0 rd-brn Ga vl/3cm,∠70 0.5cm >>∠0,0.5cm
49.25	∠70°,0	49.25-49.3 l-brn Ga v 4cm,Cp spots,∠70°
		49.25-50.2 l-brn Ga v >2cm,Cp spots,∠0°
50.0m		

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
9.0										
10.0	A16053	-	-	20	3	-	-	-	-	
11.0	A16054	-	-	15	3	-	-	-	5	
12.0	A16055	-	-	20	5	-	-	-	1.2	
16.8										
17.3	A16001	-	<0.1	12	7	-	-	-	2	
20.0										
21.0	A16056	0.012	-	120	4	-	-	-	2	
22.0	A16057	0.012	-	20	3	-	-	-	1.2	
22.8	A16058	0.012	-	20	<3	40	-	-	2	
23.8	A16059	0.012	<0.3	40	12	40	9000	<30	1.2	
24.3	A16002	0.03	0.9	400	7	40	-	-	15	
25.3	A16060	0.02	-	40	4	-	900	-	3	
27.2										(T) 27.2 contact
27.9	A16003	0.012	0.3	400	40	70	-	-	5	S 27.8 skd dk
28.9	A16061	0.012	<0.3	150	4	30	-	-	1.2	S 28.8 mdg dk
29.6	A16062	-	-	30	5	-	-	-	7	
30.1	A16004	0.5	0.9	500	3	120	-	-	-	
31.1	A16063	0.012	-	20	5	-	-	-	2	
32.3	A16064	-	<0.3	150	6	40	4000	-	1.5	
33.3	A16005	0.04	0.12	<10	3	-	500	-	-	S 33.3 skd ms
34.3	A16006	-	-	12	3	-	-	-	5	
35.9										S(P) 35.3
36.9	A16007	0.5	0.5	300	<3	150	-	-	1.5	S 36.1 skd dk
37.3	A16008	0.05	0.3	150	<3	120	-	-	2	
39.8										
40.8	A16009	-	0.15	50	<3	120	-	<30	1.2	S 40.3 grn skd dk
44.6										
45.4	A16010	0.02	0.12	70	<3	30	-	-	2	
48.0										
48.4	A16011	0.07	0.15	150	<3	90	-	<30	1.2	
49.0	A16012	0.03	0.12	120	<3	200	-	-	1.2	
50.0	A16013	0.2	0.9	500	5	150	-	-	1.5	49.3 Ga skd dk


GEOLOGIC CORE LOG OF MJKA - 16 (2/8)
1/200
MJKA - 16 60.0m - 100.0m
Level 1858.6m Direction -
X(N) 2373.7m Inclination -90°
Y(E) 1338.0m Length 200.0m
LITHO-LOGY
DEPTH (m)
DESCRIPTIONS
DEPTH (m)
SAMPLE #
ASSAY RESULT
Au (g/t)
Ag (g/t)
Cu (ppm)
Pb (ppm)
Zn (ppm)
As (ppm)
Sb (ppm)
Mo (ppm)
LAB. TEST
60.2
60.5~62.1 Ga vls fsw
51.0 A16014 0.015 0.12 90 4 150 - - 7
52.0 A16015 0.012 <0.1 50 5 150 - - 9
53.0 A16016 0.012 0.15 70 5 120 - - 9
54.0 A16017 0.04 0.9 500 5 200 - <30 6
54.0 ∠20°
54.03 ∠30°
54.0~54.15 Ga big crystall
54.03~54.12 fng Ga-Px 1cm
54.2~54.6 ∠10° O.C.
62.1 ∠30° 62.1~62.3 f gry v 2mm & 3mm
63.3 ∠25° 63.3~63.5 fng Ga-Px v, 0.4cm (w/Py?)
75.6 ∠30° 75.6~76.1 p brn Ga vls, w=1mm/3cm
77.1 ∠30° 77.1~78.3 p brn Ga vls, w=1mm/5cm
92.4 ∠30° 92.4~92.5 p brn Ga v 1cm
92.6 ∠30° 92.6~92.7 p brn Ga v 2mm
95.55 ∠30° 95.55-95.65 slicken, oblique
98.25-104.3 ∠ 30-60° open crack/1mm
M
100.0m

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

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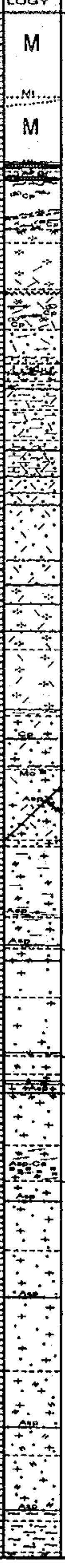
Level 1858.9m X(N) 1237.3m Y(E) 1938.0m　Direction - Inclination -80° Length 206.0m

MJKA - 16　100.0 m - 150.0 m



DEPTH (m)	Angle	DESCRIPTIONS
102.7	∠90°	102.7 brn Ga v 2cm w/Mt
102.8	∠70-40°	102.8 brn Ga vs 1cm+1cm(irregular)
		104.6-105.1 Mt-Ga-Px skarn Px:big, euhedial
104.8	∠20°	104.9-105.0 Mt concentration
105.1	∠35°	105.1-107.4 Px-Ga skarn, Mt-Ga:band∠ 50 Mt:diss & vein like ~106.8m
105.3	∠50°,30	106.1-106.8 Ca pocket Ø1-3cm((w/Cp))
		105.4-105.5 Mt concentration
106.3	∠80°	106.4-106.9 mdg Ga-Px sk
106.6	∠80°	105.1-∠30°(10°), 105.3-∠50° & 30°(60°) 106.3-∠80°, 106.6-∠30°(30°) druse
107.4	∠30°	107.4-108.9 skd igneous rock(fng<1mm equigranular dioritic texture remain grn+wht Ga v & spots ∠20~40° Ca v ∠40, 1~2mm/20cm
108.9	∠60°	108.9~110.2 v fng Ga-Px sk, partly,csg gabbroic texture, v fng dk spots w/Cp diss (vein like)
		109.0~109.1 cream color vein 3cm
		109.8~110.2 Qz-Ca vls 1~2mm/4cm
110.2	∠40°	110.2~118.55 l-gry~ yel wht argillized rock
		110.2~111.3 l gry yel wht,HCl-foaming,weak sh
111.1	∠20°	111.1~111.3 sh=3cm
111.3		
111.55	∠40°	111.55~118.55 gry-wht~wht argillized wk sheared
111.9	∠30°	111.9~112.7 p grn-wht,fissility,talc-like surface H<
	∠45°	111.5 shear z 2 cm cataclastic(solidified)
		112.1 shear z >2cm
112.8	∠20°	112.8~113.5 gry-wht, fissility
113.8	∠20-30°	113.8~114.2 gry-wht, fissility
114.1	∠30°	114.1 wht gouge 2mm(shear centre)
115.1	∠30°	115.0 gouge 2mm
115.5	∠45°	gouge 1mm
115.9	∠45°	gouge 1mm
117.7	∠60°	cataclastic (solidified) shear
118.0	∠30°	118.0~118.3 fissility, talc like (can be scrached with nail)
118.55	∠45°	118.55~122.75 gry-grn skd ,w/Ca vls±1mm ∠40-50°
119.1	∠60°	Ca v 1mm　Csg heterogeneous texture-gabbro
120.0	∠40°	Ca v 0.5cm, f(separation normal 2 cm)
120.6	∠30°	Ca v 2mm, slicken
		121.6-122.55 l gry-grn finner grain heterogenous texture (fng gd tic)
122.55	∠45°	wk shear zone 6cm
122.75	∠40°	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
123.5	∠45°	122.75~139.55 Asp-Qz v±1mm,max 3mm 1~2 vs/m (not included fine vls)
124.4	∠45°	slick
124.5		
125.5	∠0~10° ∠45°	125.5 Qz v 3mm w/Asp & fng Cp,a branch of the Qz v at 125.0m
		125.0-126.8 Qz v 3mm w/Asp spots both sides of Qz v (total 1cm) sil(gry-grn wht)
126.8		
127.0	∠20°	127.0-130.3 l gry-grn alt gd, wk sheared
129.3	∠40°	129.3 Qz-Ca vls zone 1.5cm w/fng Asp+fng Cp
130.2	∠40°	130.2 Asp-Ca v 0.5cm w/Cp stringer
130.3	∠40°	
130.7	∠30°	130.7 sil v 0.5cm
131.9	∠40°	131.9 l gry-grn-wht sil v 2cm
133.7	∠50°	133.7 sil v 1cm
133.8		133.8-134.4 l grn-gry-wht, wk sheared sil v 1cm
134.4		
134.6	∠60°	134.6 gry-grn v 1cm w/Asp-Cp film
134.7	∠40°	134.7 Asp-Qz v 2 mm
135.0	∠40°	135.0 Asp-Qz v 1 mm, gry-grn alt (hanging side 5cm, foot side 10cm)
136.7	∠40°	136.7-137.65 l gry-grn alt gd Qz vls 1mm/ ±4cm,∠40°
137.5	) 40°	137.5-137.65 Asp spots w/fng Cp diss zone
137.65		
137.85	∠40°	
138.5		0.5°
140.1		140.1~144.0 fresh gd ∠40 Qz (sil) v 1mm/4cm
141.6	∠40°	141.6 Asp spots - Qz v 2cm
144.0		144.0-148.45 l gry-grn alteration v zone parallel, gd:fresh
145.8	∠45°	Qz -Asp 2mm
146.7	∠40°	f cft-rateral sh=Qz 2cm
148.45	∠45°	148.45 f gouge 3cm, wht clay, Qz v 1cm (hanging side) w/Asp
148.6		148.45-153.0 grn-wht alt rock
149.6		148.6-149.6 sheared, wht alt

150.0m

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)
102.7									
103.0	A16018	0.5	-	<10	-	-	-	-	1.2
103.8	A16065	-	-	12	3	-	-	-	1.6
104.8	A16066	0.012	<0.3	20	5	30	-	-	1.2
105.2	A16019	0.6	<0.1	50	4	150	-	-	1.2
106.0	A16020	1.5	<0.1	30	<3	150	-	-	1.5
106.8	A16021	1.2	<0.1	90	-	150	-	-	[illegible]
107.4	A16022	0.7	0.12	90	12	120	-	-	2
108.4	A16023	0.05	0.15	70	4	90	-	-	12
109.4	A16024	0.5	0.5	300	3	120	-	-	5 (grn skd) / 30 (Cp in dark gry part)
110.2	A16025	0.7	0.5	700	5	90	-	-	
111.3	A16026	0.8	0.2	400	5	150	-	-	30
111.6	A16027	1.8	1.5	1200	4	300	120	500	7
112.0	A16028	0.6	-	20	4	40	-	-	12
113.0	A16029	0.7	0.12	120	4	90	-	-	30
113.9	A16030	0.05	-	15	4	40	-	-	30
114.3	A16031	0.09	<0.1	15	3	30	-	-	20
115.0	A16032	0.04	<0.1	12	<3	-	-	-	12
116.0	A16033	0.05	0.15	30	3	30	150	-	20
117.0	A16034	0.5	-	30	<3	30	300	-	20
118.0	A16035	1.0	<0.1	30	3	30	-	-	15
118.6	A16036	0.9	<0.1	30	7	-	-	-	15
119.0	A16037	0.09	<0.1	30	5	30	-	-	15
120.0	A16038	0.03	<0.1	12	5	40	-	-	20
121.0	A16039	0.6	-	<10	5	50	-	-	15
122.0	A16040	0.05	<0.1	12	12	30	-	-	15
123.0	A16041	0.8	0.12	30	12	40	-	-	15
124.0	A16042	0.8	0.2	70	15	40	1200	-	30
125.0	A16043	0.9	0.12	15	7	40	-	-	12
126.0	A16044	2.2	0.4	30	15	30	1200	-	9
127.0	A16045	0.15	<0.1	30	15	50	1200	-	15
128.0	A16046	1.5	<0.1	30	15	40	900	-	15
129.0	A16047	0.2	<0.1	30	12	50	700	-	12
130.0	A16048	0.5	<0.1	20	12	30	500	-	4
131.0	A16049	0.5	<0.1	40	20	40	900	-	12
132.0	A16050	0.04	<0.3	40	15	90	120	-	12
133.0	A16051	0.5	<0.3	150	15	70	300	-	30
134.0	A16052	0.3	<0.3	30	20	90	-	-	9
135.0	A16067	0.2	<0.3	90	20	40	2000	-	12
136.0	A16068	0.6	<0.3	40	12	40	200	-	9
137.0	A16069	0.6	<0.3	70	20	30	900	-	20
138.0	A16070	0.5	-	40	15	40	120	-	7
139.0	A16071	0.5	<0.3	70	15	40	900	-	12
140.0	A16072	1.4	<0.3	90	15	30	400	-	30
141.0	A16073	0.5	<0.3	40	15	40	200	-	12
142.0	A16074	0.5	<0.3	40	20	40	700	-	15
143.0	A16075	0.12	<0.3	50	20	40	200	-	12
144.0	A16076	0.7	<0.3	50	15	40	1200	-	40
145.0	A16077	4.5	2	150	20	30	1200	150	70
146.0	A16078	1.1	-	150	15	30	400	-	15
147.0	A16079	6.8	<0.3	120	15	40	1500	-	15
148.0	A16080	1.0	<0.3	120	12	50	700	-	12
149.0	A16081	0.6	<0.3	60	12	30	1500	-	15
150.0	A16082	0.12	-	50	12	120	600	-	9

LAB. TEST:
- (F-X)105.0 bic Px-Mt
- F 105.8 [illegible]
- F 105.8 Mt-Ga sk
- P 106.2
- P 106.7
- F 106.4
- F 106.8
- (T)109.0 skd gd (P)
- 109.5
- 109.8
- 109.85
- S 111.3 f-brc
- (X) 117.3 arg gd
- S 120.3 skd gd
- (T) 121.2 skd gd
- S 122.9 gd gdr contact
- S 123.6 gdr
- F-P 125.2
- X 125.4 Asp-Cp Pl Qz v
- F-P 125.6
- S 127.2 arg gdp
- S 130.7 gdp/ Asp-Q v
- (T) 148.0 chilled
- F 138.5 Asp-Q-Pm?
- X 149.7 f-gouge

GEOLOGIC CORE LOG OF MJKA - 16 (4/5)

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MJKA - 16 150.0m - 200.0

Level 1868.6m Direction -
X(N) 2373.7m Inclination -90°
Y(E) 1338.0m Length 200.0m

LITHOLOGY	DEPTH (m)		DESCRIPTIONS
	150.4	∠30°	Ca, 1cm, dr,slick, shear plain∠70-80° w/Wht clay 1mm~1.5cm/every 5~10 cm
	151.0	∠30°	Ca, 2cm
Asp	152.7	∠45°	152.7-153.0 shear zone,f brec,w/Asp-Ca-Qz v, 0.2-1cm,shear blk
			f53.0-156.8 wk sheared with d-grn cataclasite v: Fld untransperent wht alt
	155.4	∠60°	155.4 shear - brecciated & solidified, grn
	155.7	∠60°	155.7shear-brecciated & solidified, grn net 4cm
	155.9	∠45°	155.9 grn cataclasite v 2cm
	156.8	∠20°	156.8-161.3 ∠ 40° sil max 4cm or Q v zone
			158.8 sil v 2cm
			157.4-157.8 wk sil z, l-gry
Asp	159.7	∠40°	159.7 Asp-Qz v 0.5cm
			Asp spots Qz v 0.5cm
Asp	161.3	∠40°	161.3~ Qz vls.....
Asp	162.7	∠40°	Asp-Qz v 2mm
	164.1	∠10°	bright grn v 2mm
Asp	166.3	∠30°	Asp-Qz -(Cp) 0.5°
	167.3	∠20°	wht granule aplite
	167.4	∠40°	Asp-Qz v 0.5cm cut by 1cm Ca v∠10°
	168.3	∠40°	slick
	169.5	∠10°	aplite: granule Qz>>Fld w/Qz v∠40°/Py
	170.0	∠40°	slick
	170.5	∠50°	Qz v 1cm
Asp	170.8 171.0	∠50,33°	Asp-Qz v 2 mm cuts (∠30) Qz barren v 4mm (∠ 50°)
	173.4	∠10~30°	slick wht gouge
	174.5	∠40~30°	Qz-bright grn mineral v 0.5°
	176.2		
	177.2	∠30°	slick
	178.5	∠10°	shear
	178.8	∠40°	178.8-179.0 wh shear & grn-gry alt
	180.1	∠70°	gry-grn sil v 1cm
Asp	188.8	∠30°	Asp-Qz v 1mm
	189.2		
	189.4	∠40°	Asp-Qz v 1cm
	196.0	∠10°	slick
	197.6	∠30°	slick gouge 1mm
Asp-Py?	198.3	∠40°	Asp agregate w/Py?-Qz v 1.5 cm

200.0 m

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
										(X) 150.4 erg gd
151.0	A16083	0.3	-	70	5	-	300	-	9	
152.0	A16084	1.1	-	80	5	-	700	-	30	
153.0	A16085	0.5	<0.3	70	15	40	3000	-	9	
										B 154.4 Asp-Qz silic
159.0										
160.0	A16086	0.12	<0.3	70	12	40	200	-	15	
161.0	A16087	0.2	<0.3	90	15	50	150	-	12	
162.0	A16088	0.9	<0.3	90	15	30	300	-	30	
163.0	A16089	0.12	<0.3	120	15	30	150	<30	9	
166.0										F 166.3 Asp-Qz (Cp) F 167.3 Asp-Qz
167.0	A16090	0.09	-	90	20	40	-	-	12	
168.0	A16091	0.5	<0.3	90	20	-	1500	-	12	
170.4										
171.4	A16092	0.3	-	90	12	-	120	-	12	
175.0										F 175.4 Asp-Qz gd
176.0	A16093	0.02	-	90	9	30	-	-	9	
188.6										
189.6	A16094	0.2	<0.3	30	15	40	400	-	12	
190.6	A16095	0.012	-	50	12	40	-	-	9	F 19.4 Asp-Qz
198.0										
199.0	A16096	0.03	-	70	15	30	5000	-	15	

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GEOLOGIC CORE LOG OF MJKA - 18 (5/5)

1/200

Level 1888.6m Direction -
X(N) 2373.7m Inclination -90°
Y(E) 1336.0m Length 206.0m

MJKA - 18 200.0m - 206.0

LITHOLOGY	DEPTH (m)		DESCRIPTIONS	DEPTH (m)	SAMPLE #	ASSAY RESULT Au (g/t)	Ag (g/l)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
														S 200.3 gap
Py	201.6	∠40°	crack w/Py	201.0										
	201.7	∠20°	slick, grn surface	202.0	A16097	0.03	-	90	12	-	-	-	15	
Asp	202.6	∠50°	Asp-Qz v 1mm	203.0	A16098	0.12	-	70	15	40	600	-	12	
			204.6-206.0 l gry grn alt	204.0	A16099	0.012	-	70	15	40	-	-	7	
Asp-Py	204.6	∠40°	Asp-Py-Qz v 3mm											
	204.8	∠60°	204.6-204.8 l gry-grn wht shear alt rk w/∠60°	205.0	A16100	0.05	<0.3	70	12	30	-	-	9	
	205.1	∠50°	Ca v 2cm crystals 1 cm slick, gry-grn alt 2 cm											
Py Asp	205.6	∠50°	slick, Asp-Qz v 2mm shear 1cm	206.0	A16101	0.3	-	60	20	30	600	-	7	
	206.0													

206.0 m

GEOLOGIC CORE LOG OF MJKA - 17 (1/4)

Level 1858.6m
X(N) 2373.7m
Y(E) 1336.0m

1/200
Direction 300°
Inclination -60°
Length 161.0m

MJKA- 17 0.0 m - 50.0 m

LITHOLOGY	DEPTH (m)		DESCRIPTIONS
M			
	8.65	∠35°	grn fng imp,Cp diss(fng,little) 9 mm
^ ^ Cp	9.3	∠30°	l-grn skd net ∠60, ∠30 .....Ga 1°, 8.9m Qz pocket Hb, Cp
			<same as MJKA-16 24.6 dike z>
M			16.4~18.6 Big Ca crystall
	23.5	∠60°	l-grn Px>Ga sk
	23.6	60°	Ga 0.5°, 60+∠10, Bo>Cp diss, ∠10 1mm Qz-Bo>Cp
M	24.9	∠20°	24.9~27.1 Big Ca crystall
M	25.6	∠20°	25.6~25.9 Px-Ga sk vein 1°
M	27.1		
M	27.35	∠40°	27.35~27.5 rd-brn (Ga) sk vein 0.5°
			28.5~29.4, 30.4~30.9, 31.3~31.9 } Ca crystall
M	34.0	∠35°	gry grn skd porph imp<d-grn porph ø 1-2mm> ....2°,.......4° brn Ga zone w/Bo>Cp vis<1mm
^ ^	34.7	∠25°	Ga net ∠60°, ∠30°
M	39.3	∠30°	39.3-39.7 rd-brn(Ga) zone 2°
M	40.4	∠30°	40.4~40.6 rd-brn Ga zone 1°
M	42.1	∠60°	grn sk zone 1°
M	42.7	∠10°	42.7~44.2 rd-brn grn sk zone 1°
M Bo	44.3	∠20°	grn-gry skd porph imp,partly,d-gry fng,1°+2° Ga z
^ ^			Ga net ∠20 & ∠80 1~5mm w/Bo stringer ∠70
Cp Bo	45.2	∠20°	<upper 10cm csg texture, under d-grn porph ø 1-2mm...>
M	45.9	∠20°	gry grn~brn gry skd rk 3°
	46.15	∠20°	Cp & blk oxidized sulphide dissem
	46.2	∠40°	brn-gry fng Ga skd rk 3°, little Cp diss both sides along contact
	46.3	∠30°	
M Cp	47.4	∠20°	47.4-47.6 grn sk zone 1°
M	48.1	∠40°	rd-brn sk zone 6° 48.6-48.7, 49.6-55.6, 60.4-61.7, 62.7-64.3 } Ca Big crystall
M	50.0	∠30°	rd-brn sk zone 10°
	50.0 m		

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
8.65 - 9.3	A17001	0.09	0.2	200	7	70	-	-	40	(P) 9.1 skd dk
23.5 - 23.6	A17002	0.9	2	1200	<3	150	-	-	-	(P) 23.5 Ga-Bo-Cp
34.0 - 34.7	A17003	0.5	2	1500	<3	200	-	-	3	S 34.0 Ga-Cp-Bo-ma; (T) 34.5 l-grn skd
44.3 - 45.2	A17004	0.8	2	2000	<3	150	-	<30	1.2	S 45.0 grn skd
45.2 - 45.9	A17034	-	<0.3	70	-	-	300	70	-	P 45.1 Ga,Bo
45.9 - 46.3	A17005	0.6	0.7	500	<3	-	-	-	2	

98-58

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

Level 1858.4m X(N) 2373.7m Y(E) 1338.0m — 1/200 Direction 300° Inclination -80° Length 161.0m

MJKA - 17 50.m - 100.0m

LITHO-LOGY	DEPTH (m)		DESCRIPTIONS
	50.3	∠40°	rd-brn sk zone 3°
M			
	51.8 52.8	∠30° ∠30°	rd-brn sk 5° rd-brn sk 2mm
M			
M	54.2 54.7	∠30°	gry~rd-brn sk zone
M	55.7 56.0	∠30°	rd-brn sk vls zone, each vl=1mm
M	57.2	∠40°	gry sk zone 4° 57.3-58.2 rd-brn sk vls zone,each vl 1-3 mm
M	58.2		
M	60.0	∠20°	l-gry sk zone 2°
M			
M	62.9	∠60~30°	Cp spots on the ∠60 plane
M	63.8	∠30°	rd-brn sk zone 1°
M	64.3	∠0°	64.3-65.4 ∠0 O.C.
M	65.2	∠70°	l-grn-gry sk vls ±1mm z.
	66.4	∠40°	66.4~66.7 Big Px-Ca sk,upper side Py-Mt vein0.5° 66.45 brn-yel aphyric vein 5°∠45 brec texture fresh part wht
	66.8		66.8~68.7 Ga sk, mdg.zone Qz-Px-Mt pockets
	68.4	∠40°	Ca v 1mm both sides zone∠ 60 1mm Q vls 1.5cm total 1cm brn red
	68.7		68.7~69.4 mdg Px sk Qz pockets 69.2~69.4 rd-brn fng Px-Ga sk ∠40~60
	69.4 69.6 69.9	∠60° ∠50° ∠50°	69.4~76.0 mdg Ga-Px-Fld sk Fld:csg.pinkish Ga,Px, Fld heterogeneous 69.6~69.9 d-gry fng imp? fragment remain
	71.6 72.1		71.6-72.1 74.0-74.6 } mdg Ga dominant
			73.7-76.0 finer grains, less Ga, mostly Px &Fld
	74.3 74.6 74.8 75.0 75.2	∠60° ∠70°	74.6-75.0 75.1-75.2 76.0-76.1 } aphyric l-grn wht siliceous sk
	75.9 76.0 76.1 76.6 77.0	∠70° }∠60° ∠45° ∠60°	<75.9-76.1 fng equigranular grn min, change fld part& csg part> 76.0-76.6 csg texture remain 76.0-77.0 grn spots, csg sk texture remain 77.0-85.0 f-mdg gdp texture partly remain 76.0-76.6 ± ∠60 Ca-Qz v 0.5-2° 10 76.0-77.0 shear z. breco, gry clay along slicken side
			79.4 blk fng sulphide net 79.9~85.1 Qz vls with blk fng sulphide 5/m
	79.9 80.1	∠80° ∠60°	79.9 slicken 80.1 shear z. 5°
	81.3 81.7	∠70° ∠60°	slicken slicken
	82.4	∠60°	Asp - Qz - Prh v 3 mm
	83.1	∠70°	shear z. 5°
	83.6	∠60°	shear z. 1°? wht clay
	84.2	∠60°	shear z. 0.5° gry arg
	84.9 85.1	∠70° ∠30°	shear z. 2° 85.1~ fresh gdr, rectangular pl ±5mm
			87.5~94.5 crack,limo
	90.2 90.4	∠60°	90.2~90.4 l-gry grn fng aphyric dike, gdp contact: no rection
	97.7	∠?	shear, brec, wht clay w=?
	99.5	∠60°	Qz-Asp v. 1mm
	100.0m		

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
62.4										
63.4	A17035	-	-	15	<3	-	-	-	1.2	
64.4	A17036	-	-	30	<3	-	-	-	-	
65.4	A17037	-	3	50	4	-	-	-	-	
66.4	A17038	0.015	-	30	<3	-	-	-	-	(P) 66.4 mg-sk
66.8	A17006	0.6	<0.1	40	3	200	200	-	2	(T-X) 66.8 wht sil brc
67.8	A17007	9.9	0.15	90	<3	120	-	-	1.2	67.1 Ga-sk; F(P) 68.2 Ga blk Px Mt-Cp-Qz Px pocket
68.7	A17008	6.6	0.15	90	<3	150	-	-	-	S 69.0 Px
69.4	A17009	6.7	0.15	150	4	400	-	-	-	F 69.1 Px-Qz pocket-Cp
70.4	A17010	0.7	-	30	5	120	-	-	3	
71.4	A17011	0.4	0.2	20	7	200	-	-	4	(T) 71.1 Px-Fld
72.4	A17012	0.15	-	30	3	300	-	-	2	
73.4	A17013	0.07	<0.1	30	9	200	-	-	5	
74.4	A17014	0.6	-	20	3	150	-	-	3	
74.8	A17015	0.5	-	70	<3	500	-	-	3	
75.2	A17016	0.5	<0.1	15	<3	120	-	-	2	(T) 75.3 l-grn sil
76.0	A17017	<0.5	0.12	50	5	150	-	-	3	(T-X) 76.3 p-grn arg
77.0	A17018	0.5	<0.1	70	9	120	-	-	3	(T) 76.6 gdp
78.0	A17019	1.0	<0.1	70	20	70	300	-	7	
79.0	A17020	0.12	<0.1	40	30	90	300	-	12	(T-X) 79.2 arg gdp
80.0	A17021	0.15	0.2	120	15	120	1200	-	7	
81.0	A17022	0.15	0.12	70	30	200	900	-	7	
82.0	A17023	0.6	0.15	90	20	120	1500	-	7	
83.0	A17024	<0.5	0.12	50	30	50	150	-	5	
84.0	A17025	0.7	0.2	90	12	40	400	-	7	
85.1	A17026	0.7	0.2	200	9	120	-	-	30	
86.0	A17027	0.15	<0.1	70	15	50	400	-	7	
87.0	A17028	0.5	-	15	20	30	-	-	9	
88.0	A17029	0.7	0.12	70	15	30	700	-	9	
89.0	A17039	0.5	-	15	5	-	150	-	-	
90.0	A17040	0.09	<0.3	12	9	30	300	-	1.2	
91.0	A17041	0.4	-	12	4	-	-	-	3	
99.2										
100.2	A17042	0.6	<0.3	40	9	-	200	-	2	

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

1/200

MJKA - 17 100.m - 150.0m

Level 1855.6m X(N) 2373.7m Y(E) 1336.0m

Direction 300° Inclination -60° Length 161.0m

LITHO-LOGY	DEPTH (m)		DESCRIPTIONS
	100.4	∠60°	shear, wht clay, Qz-Asy v 1mm
Asp	100.7	∠70°	100.7~100.95breo,wht&gry clay z,&blk sulphides sulphide vis
Asp-Py?	101.1	∠70°	101.1 Qz-Asp-(Py? Or Cp) v. 2°
	102.5	∠70°	Asp-(Py or Cp) stringer 1mm
Asp	106.6	∠50°	106.6~107.2 wht , Qz-Asp(Px or Cp) v 1mm
	106.8	∠50°	slicken, week breo crack z 2°
	107.2	∠30°	grn fine net
	107.5	∠50°	<107.5~127.3 fresh gdp, similar MJKA-16 150.1-190.2
Asp	108.5	∠70° ∠30°	grn fine net
	109.5	∠70°	grn Qz v 2mm
		∠10°-0	slicken little gry (Asp) & Py or Cp? dissen along the fissure
	115.8	∠45°	Asp - Cp - Qz vl -1mm
Asp	120.0	∠60°	Asp - Cp - Qz vl -1mm
Asp	121.0	∠60°	Asp - Qz vl -1mm
	126.8	∠30°	126.8 ∠30° whtz w=10°
			127.3 - 134.3 fresh transparent gry gdp
Po	128.8	∠60°	Po - Mt? -Qz 3mm
Py-Asp	131.2	∠50°	Py? Asp (fng Po color,non magnetic)>> Cp v. 1mm +2mm
Py-Asp	131.3	∠60°	
Py-Asp	132.3	∠60°	Qz - Prh - Asp v. 2mm
Py-Cp +Asp	132.4	∠60°	Qz - Asp - Cp v. 0.5mm
			134.3-136.0 arg, (sil)
	135.0	∠20°	slicken
	135.8	∠60°	l-gry-grn sil (same as 76-77m)
	135.9	∠60°	135.9 slick, wht cly, w=?
	136.55	∠70°	
	136.6	∠50° ∠40°-60°	136.6 Qv 0.5° slicken
			138.0-142.9 fresh gry gdp
	138.8	∠40°	138.8~141.0 ∓ 40 slicken 4/m
Py or Cp	140.6	∠60°	Qz - Px - Cp v. 1mm
	142.7		142.7 - 151.1,fresh,Fld slightly wht
Py-Asp	144.9	∠60°	Py - Qz v. 1mm
			146.95 blk porph imp 5°
	146.9		146.9 sand like
Cp	147.1	∠60°	
Py Asp	147.4	∠40°	
	148.3		
	148.6	∠20°	slicken
	149.1		
	149.3	∠30,20°	slicken,wht powder

DEPTH (m)	SAMPLE #	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
101.2	A17030	0.7	<0.1	15	12	30	5000	-	16	
102.2	A17031	0.7	<0.1	70	15	50	3000	-	12	
103.2	A17032	1.1	<0.1	50	15	50	4000	-	9	
104.2	A17043	0.5	-	20	7	-	500	-	2	
106.0										
107.0	A17044	0.4	<0.3	50	20	30	500	-	4	
108.0	A17045	0.4	-	150	9	-	300	<0.3	-	
109.0	A17046	0.09	-	30	5	30	120	-	2	
114.0										
115.0	A17047	0.09	<0.3	70	9	40	-	-	7	
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	A17052	0.09	<0.3	30	7	40	500	-	5	S 120.0 Asp-Cp -Qz
121.0	A17053	0.03	-	50	9	-	-	-	3	
122.0	A17054	0.4	<0.3	70	12	50	200	-	12	
128.0										
129.0	A17055	0.3	<0.3	120	20	30	200	-	5	F 128.8 Po-Asp Py-Qz
130.0	A17056	0.16	<0.3	50	12	30	200	-	5	
131.1	A17057	0.07	<0.3	30	15	30	500	-	4	S 131.1 Asp>> Cp
131.3	[illegible]	2.8	20	160	800	400	27000	1200	30	
132.0	A17058	0.09	<0.3	70	15	70	3000	<0.3	4	
133.0	A17059	0.012	-	20	12	70	200	-	5	
140.0										
141.0	A17060	0.05	-	70	9	30	-	-	3	
144.0										
145.0	A17061	0.5	-	70	9	30	200	-	5	S 120.0 Asp-Cp -Qz
146.0	A17062	0.02	-	30	12	30	150	-	9	
147.0	A17063	-	-	50	15	40	120	-	5	
148.0	A17064	0.02	-	120	15	30	150	-	3	
149.0	A17065	0.07	-	90	15	30	120	-	5	
150.0	A17066	0.012	<0.3	70	15	50	-	-	5	

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

1/200

MJKA - 17 150.m - 161.0m

Level 1888.6m Direction 300°
X(N) 2373.7m Inclination -60°
Y(E) 1338.0m Length 161.0m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS
	151.6	151.6-161.0 fld wht,sil(trans gry parent) z ∠80,gdp
Py Asp	152.1 ∠30°	silic, shear, Ca v.
	152.3 ∠60°	silic
	152.35	Py v 1mm ∠60°
	153.0 ∠60°	Q v 0.6°
	154.6 ∠60°,30°	Q v 0.5°
Py Asp	155.8 ∠80°	Qz - Py 2mm
	156.0 ∠80°,30°	
	156.2 ∠60°	Q v 0.5°
	161.0 m	The End

DEPTH (m)	SAMPLE #	ASSAY RESULT Au (gn)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
150.0										
151.0	A17067	0.012	<0.3	60	18	40	180	-	2	
152.0	A17068	0.03	<0.3	30	7	30	-	-	5	
153.0	A17069	0.02	-	50	5	-	200	-	3	
154.0	A17070	0.6	<0.3	90	15	50	200	-	3	
155.0	A17071	0.012	-	70	12	30	-	-	3	
156.0	A17072	0.012	-	30	12	70	-	-	9	

GEOLOGIC CORE LOG OF MJKA - 18 (1/3)

MJKA - 18 0.0 m - 50.0 m

Level 1854.2m X(N) 2860.4m Y(E) 1262.3m
1/200 Direction 109° Inclination 0° Length 130.4m

DEPTH (m)		DESCRIPTIONS
		gd (p) Bt-Hb granodiorite
		fng Hb max 4mm, ave 0.5mm
1.2	∠45°	Qz v 1mm Bi ave 0.8mm
1.3	∠45°	Asp spots-Qz 2mm Pl avg 1.5mm max 13mm
		∠45° Q vls 15cm
		3.0~ <20cm
4.3	∠40°	Ca 0.5cm, slick
5.4	∠20°	slick
7.6	∠40°	Asp-Qz v 1mm
8.6	∠40°	Qz v 0.5cm
		9.0~10.8 brn-rd Fld spots
10.1	∠20°	Asp-Q,v 1mm both sides total 1cm wht~brn-rd Fld
10.8	∠30°	10.8 wht arg z
11.3	∠30°	silc d-dry sh =5cm
11.6 / 11.7 / 11.9	∠40°	11.9 Asp v (sheared) 1cm, both sides 3cm each arg
		11.9-12.6 transperent sil net..... ∠20°, 80°
13.1 / 13.3 / 13.6 / 13.7 / 13.9	∠60°	limo~Qz vls
14.3	∠45°	limo vls zone 4cm
15.0	∠45°	Asp -Qz-sil 2cm
15.5		15.5-16.4 grn-gry trans sil~arg
15.8	∠40°	shear limo 5cm Ca net
16.4		16.4~18.7 brn-rd Fld, wk sil gd
17.3	∠60°	sil v 1cm
17.9	∠45°	Mo Asp-Qz v 1.5°sil z both side 2 cm each
18.7 / 18.8	∠50°	18.8. 18.9. 19.0 Asp-Qz v 1mm,∠50°
19.6	∠45°	Asp-Qz v 2mm
20.2	∠40°	Asp v 1mm, sil z 2cm
20.6	∠15°	Q v 0.5° 20.6-21.0
20.8	∠70°	Q v 2°
21.2	∠5°	21.2-21.7 Asp-Qz v =1-3mm, the same of 20.0-21.0 mvein
22.2	∠70°	Sil v 1cm
22.4	∠40°	Q vls z 2cm
22.6	∠40°	Sil v 1cm
		24.7-25.1
24.7	∠5°	Q-sil v; Q 1mm sil 3mm Mo
24.9	∠40°	Asp v 0.5mm
25.4	∠5°	25.4-26.1 Q-sil v 3mm, Mo
		25.4∠40° Asp v 0.5mm
26.1	∠40°	shear joint (closed) cuts Qz v
26.4	∠40°	26.4~27.3∠5°+∠40°
26.9	∠5°~10°	26.9 Asp-Qz v 1mm
27.3 / 27.4	∠20°	Mo stringer<0.5mm
28.0		28.0~28.8 Pl poheno equgranuler monzonitic
28.8	∠20°	gd-gb (Hbt) contact no reaction
		along contact sil-Asp v<1cm
29.4	∠45°	29.4 silc, brec
30.3	∠40°	silc
30.4	?	30.4~30.8 fng equigranuler gd
30.8	∠60° ~ irred	
31.3	∠?	31.3 csg gd Fld>50%
31.5	∠30°	
32.3	∠60°	gradually changing z 15cm
32.45	∠30°	Qz-Ca-Asp-sil z 2cm grn-gry sil total w=7cm
32.55	∠30°	Cal- (Qz) v 0.5 cm
32.9	∠5°	gb-altered (arg) boundary 32.9~33.3 cal net
33.1	∠10°-20°	Cal v, alt foliation arg alt z
33.3	∠?	33.3~35.3 grn-gry fng lmp
35.3	∠60°	dk-grn chilled margin 2mm
35.9	∠40°	Qz v 1cm
36.1	∠20°	36.1 fng Hb-Bt anoretosite v 1.5cm w/gb inclusion
36.3	∠30°	silc
36.5	∠70°	Anoretosite 0.5cm
		Anoretosite 1cm 37.2~37.6 (rounded)
37.3	∠30°	37.6~40.0 gb-gd mdg, monzonitec, (Asp)-Q, vls <1mm
37.6	∠40°-30°	silc
38.3	∠50°	Asp-Qz 3mm
40.0	∠70°	Asp-Qz 1mm
40.2	∠20°	g grn wht clay (altered from talc)
		silc∠20°~∠70°
40.9	∠20°	40.9-41.6 40.9-41.1 mdg gd mafic-grn
41.0	∠70°	grn wht cly 41.1-41.6 fng gd no alt
41.3	∠10°	shear, grn wht
41.6	∠10°	
41.8	∠30°	silc
42.1	∠0°-30°	grn g 0.5°
42.7	∠30°	42.7-43.3 mdg gd
42.9	∠60°	grn gouge 4mm
43.1	∠20°	grn wht clay 0.5cm
43.3	∠20°	
44.6 / 44.7	∠20° / ∠30°	wht grn clay 1mm
45.5	∠60°	grn clay 2mm
45.8	∠30°	grn clay 2mm
46.0	∠40°	grn clay 1mm
46.9	∠60°	gouge 1mm
47.0	∠30°	gouge 3mm
47.1	∠40°	grn clay 1mm
47.8	∠50°	
48.2	∠30°	∠30° &∠30° cross, grn clay 1mm each
48.7	∠20°	grn clay 2mm 48.9-49.3
48.9	∠50°	
49.3		
49.5	∠60°	49.5-50.4 gdp dike Pl max 2cm
	∠?	49.6 matricx fng d-gry

49.6 m

DEPTH (m)	SAMPLE No	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)
7.0–8.0	A18046	0.2	<0.3	50	9	70	300	-	2
8.0–9.0	A18001	0.5	-	400	30	40	-	-	12
9.0–10.0	A18002	0.012	<0.3	70	30	40	-	-	20
10.0–10.8	A18003	0.15	<0.3	50	30	70	500	-	3
10.8–11.8	A18004	0.4	-	50	20	50	300	-	20
11.8–12.8	A18005	0.7	<0.3	70	50	40	12300	<30	40
12.8–13.8	A18006	0.5	<0.3	50	30	60	120	-	5
13.8–14.8	A18007	0.5	<0.3	90	30	50	400	<30	20
14.8–15.5	A18008	0.07	<0.3	70	20	50	300	-	16
15.5–16.4	A18009	0.07	<0.3	90	15	40	3000	150	15
16.4–17.4	A18010	0.3	0.4	200	20	30	400	-	15
17.4–18.4	A18011	0.12	<0.3	120	30	40	300	-	12
18.4–19.4	A18012	0.12	<0.3	70	30	40	150	-	5
19.4–20.4	A18013	1.2	<0.3	70	30	50	900	-	5
20.4–21.4	A18014	0.6	<0.3	120	30	30	1200	-	30
21.4–22.4	A18015	0.15	<0.3	70	30	30	900	-	5
22.4–24.0									
24.0–25.0	A18049	0.04	<0.3	70	9	120	-	-	12
25.0–26.0	A18050	0.3	<0.3	50	7	40	120	-	5
26.0–27.0	A18051	0.5	<0.3	90	15	-	-	-	12
27.0–28.0	A18052	0.12	<0.3	70	20	30	-	-	5
28.0–29.0	A18053	0.15	<0.3	90	20	40	400	-	12
29.0–30.0	A18054	0.07	<0.3	70	12	30	200	-	1.5
30.0–32.0									
32.0–32.9	A18055	0.5	-	30	5	90	500	-	2
32.9–33.3	A 18016	0.15	<0.3	70	30	50	900	-	5
38.0–39.0	A 18056	0.4	<0.3	30	3	30	-	-	2

LAB. TEST:
- T wht arg net gd 3.4
- T fresh gd 8.6
- T brn-rd Fld gd 10.4
- X grn-wht arg 11.2
- P Asp v & arg 11.9
- Sil-limo net gd 12.3
- P Asp-Q,v infresh gd 15.0
- P.F.Mo-Q,v 17.9
- P Asp spot Q-sil z 21.5
- T gd-gb contact 28.8
- T gb 29.6
- T mdg gd z 31.4
- gb-sil T contact gd 32.9
- gry-grn T lmp 34.7
- mdg T gd 38.0
- mdg gd shd S 41.1
- fng gd T 41.9
- mdg T gd 43.0

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

1/200

Level 1884.2m Direction 109°
X(N) 2660.4m Inclination 0°
Y(E) 1262.3m Length 130.4m

MJKA - 18 60.0 m - 100.0 m

DEPTH (m)		DESCRIPTIONS
60.4		fissure ∠20°
60.8	∠10°	60.8-61.2 w=2cm mdg gr (or anorthosite)
61.3	∠40°	sh=0.5° vein
61.5	∠40°~30°	sheare z 61.5-62.2, gm clay, 1mm
62.2		
62.4		62.4-62.8 ∠30°, ∠50° shear z
62.8		
63.3		
63.5	∠30°	gry~grn fng alt v 0.5°
63.7	∠40°-30°	silic
64.3	∠40°	
64.4	∠40°-40°	64.3-64.4 gry-grn fng
64.7	∠40°	
64.9	∠50°	Qz Fld v 1° alt gb 64.4-64.2 fng Bt gr (anorthosite) dike
65.2	∠50°	
65.3	∠60°	65.2-65.3 Hb gdp dike w=7cm gb inclusion
65.9		
66.0	∠30°	gdp vein 2cm
66.2	∠40°	66.2-66.4 csg Fld (brn Bt Px) skd gb vein
66.4		
67.3	∠70°	67.3-67.5 gb (mafic)
67.5	∠70°	fng gr (anorthosite) dike
67.6	∠60°	silic Q v 1°
68.1	∠45°	silic Q v 0.5°
68.5	∠15°-50°	gdp
69.2	∠30°	Pl max 2 cm Q v 0.5 cm includes d-gry spots (ø0.5°) -v fng Px (Cp)
60.1	∠50°	Q v 0.5°
60.2	∠25°-55°	Q v 0.5°
60.6	∠60°	Q v-slt z 4 cm center 0.5 ° sheared Q v
61.0	∠60°	60.6-61.0 mdg gd ?
61.5	∠40°	Q v 3 mm
62.2	∠40°	Aplitic v 0.3°
63.2	∠40°	63.2 mdg gd w=5°
63.7	∠30°	gm clay 2mm
63.9	∠40°	gm clay 2mm granule breco
64.7	∠40°	shear z 1°
65.0	∠80°	Ca v 1mm
65.1	∠20°	breo z 2°, Ca net, shear
65.5	∠60°-20°	shear, Ca v
66.0	∠30°	Aplitic v 3mm
66.1	∠50°	66.1-66.7 mdg gd (upper part- 10cm ~66.2)
66.2	∠30°	
66.6	∠40°	66.2-66.7 Aplite
66.7	∠30°	
67.4	∠50°-80°	silic
67.5	∠30°	silic
69.9	∠60°	Qz-Asp (minor Cp diss) v 1cm
70.0	∠40°	sheared Qv 1cm-Asp, shear 3mm
70.2	∠80°	mdg gr (gd) 20cm mafics
70.4	∠80°	
71.2		71.2-71.3
71.4	∠30°	
71.7	∠30°-40°	
72.0	∠45°	mdg gr (gd) v 3cm Qz-mz-d,mafic→grn 72.5-72.8
73.0	∠45°	
73.3	∠20°	silic 73.0~73.5
	∠10°	(Qz Px)
73.7	∠50°	silic l-grn v 2m 73.3-73.9
73.9	∠40°	l-grn vls 1-2mm
74.5	∠40°	l-grn vls 1-3mm
74.9	∠40°	l-gry-grn, partly rd-brn sil-Qz v 5cm
75.0	∠60°	Q-mzdv 4cm
75.3	∠60°	silic 75.3-76.9 Qz-mzdv mafic >12grn
76.0	∠60°	vs
76.1	∠50°	Asp v 25mm
76.4	∠30°-20°	76.4-76.6∠30°>∠20° shear z (grn vls)
76.9	∠70°	76.6-76.25∠45° d-gry or Qz vls
77.3	∠80°	77.3-78.4 Qz-mzd mafic>grn
77.6	∠0°	77.45-77.50 aplitic dike
77.9	∠60°	77.6-78.3 ∠0° l-grn v 1mm
78.4	∠50°	
78.7	∠7°	78.7-79.0 sheard Qz-mz di dike
79.0	∠30°~60°	
79.1	∠0°	79.1 shear grn 3mm
79.5	∠40°	silic
80.0	∠30°	80.0-80.15 Qv wht grn shear
80.15	∠10°	shear
80.3	∠10°	80.15-80.3 ∠10° shear & gry-grn sil
80.7	∠30°7	80.3-80.7 ∠10° shear z, small Q lenses
81.2	∠60°,40°	80.7-81.2 gry-grn sil, Q vls (∠20°~30°) z (fng gry mineral (Asp))
81.8	∠20°	81.9∠20° l-grn sk v 2cm∠20°1° Ga-Q v cut sk v
	∠50°	
82.2	∠60°	Q v 3mm ∠60° Q v 0.5cm~sk v
82.6	∠40°	
82.8	∠50°	82.8-83.8∠30°~60° Q vls & shear
82.9	∠45°	
83.5	∠60°	
83.8	∠50°	
84.0	∠30°	84.0 Q vls z 2cm, (Py) w/purpl-red Qz
84.2	∠30°	84.2 Q v 2cm+Q vls 22cm
84.6	∠60°	84.6 Q v 2cm-shear , Q v 2cm w/Asp
85.0	∠40°	∠0° sk v 0.6°
85.1		Asp-Qz v 1mm
85.6		85.1965.7 l-grn sk vls (∠10° cuts 40°, 30°)
85.7	∠40°	
86.1	∠30°	86.1-86.6∠30°-40° l-grn sk vls 1mm~(1cm)many
86.6		
87.0	∠30°	87.0-92.1 p-gry-grn skd gb
87.2	∠60°	87.2-87.4 skd gd (mdg) vein p-grn-wht aphyric
87.4		halo 2cm 87.2 Asp-Qz v 1mm
88.4	∠50°	Asp spots-Qz v 0.5 cm
88.55	∠30°	Asp spots-Qz v 2mm
88.6	∠30°	Asp-Qz v 1mm
88.9	∠60°	88.9 gd (skd) v 1cm
89.3	∠40°	89.3 sil or gd v 1 cm
89.7	∠50°	89.7 skd gd v 1 cm
89.9	∠50°	2 mm
90.2	∠30°	Q v 1mm shear 2cm
90.9	∠50°	1mm
91.1	∠60°	1mm
91.6		
92.1	∠20°	∠20° sk v l-grn 2mm
92.7		
92.9	∠40°	92.7~93.9 P-gry-grn skd gb
93.4	∠40°	Q-d grn Px v 1mm
93.9	∠60°	93.9-94.1 gdp ø Pl 1.5cm, (no skd)
94.1	∠50°	94.4-95.8 ∠30°, 40°, 60°, 0° Q z vls (l-grn z) 1mm
94.4		& Qz spots,weak skd
94.6	∠40°	94.6 Asp-Qz v 1mm-0.5cm (brec gry-grn sil gb)
95.1	∠60°	95.1-95.4 sil-Qz v zone Py-Asp nets (∠60°)
95.4	∠60°	upper wall side 3cm & lower wall side 5cm yell-wht
95.8		
95.9	∠45°	0.5cm 95.8-97.2 csg skd gb
97.2	∠60°	97.2-97.9 mdg gry wk skd gb ∠30°-40° Qz vls 1mm
97.9	∠40°	97.9-98.2 gry-wht brc sil z w/Py Asp
98.2	∠30°	98.2-98.3 l gry-grn skd-sil (Qz net) mdg gb
98.3	∠30°	Py-Asp-Qz v 2cm 98.3-98.5 brec-sil p-grn z Asp
98.5	∠40°	Qz v 0.5cm 98.5-98.8 p grn -wht sil gb 98.7-98.8 w=7cm
98.8	∠30°	98.8-fng Qz-Px sk (gb texture) l-gry-wht sil
99.3	∠30°	99.3-101.4 gdp
99.4	∠40°	g=2cm ø-Pl 2cm max

100.0 m

DEPTH (m)	SAMPLE No	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
69.5–70.5	A18057	1.3	<0.3	40	12	30	4000	-	7	70.2 fng ApT
76.0–77.0	A 18058	0.2	<0.3	20	12	50	120	-	7	
80.0–80.7	A 18017	0.2	<0.3	90	7	50	-	-	15	
80.7–81.3	A 18018	0.15	-	90	<3	150	-	30	15	
81.3–82.2	A 18019	0.15	-	70	<3	90	120	<30	9	
82.2–82.2	A 18020	0.04	-	90	3	90	-	-	30	
82.2–83.8	A 18021	0.012	-	70	4	90	-	-	50	
83.8–84.8	A 18022	0.4	<0.3	90	4	120	2000	30	15	
84.8–85.8	A 18059	0.6	<0.3	120	7	120	500	-	15	
85.8–86.6	A 18060	0.15	-	15	3	70	-	-	5	
86.6–87.3	A 18061	0.5	<0.3	90	9	120	500	-	12	fng sk gd patch T 87.3
87.3–88.3	A 18062	0.12	<0.3	120	20	90	150	-	9	
88.3–89.3	A 18063	0.15	<0.3	70	15	90	-	-	12	
89.3–90.3	A 18064	0.12	<0.3	15	3	50	120	-	3	
90.3–91.3	A 18065	0.7	<0.3	150	30	90	700	-	9	skd gb T 90.8
91.3–92.3	A 18066	0.07	<0.3	50	3	70	-	-	3	
92.3–93.3	A 18067	0.4	<0.3	30	<3	70	-	-	3	
93.3–94.3	A 18068	0.6	<0.3	50	5	50	-	-	5	
94.3–95.0	A 18069	0.02	-	30	4	50	-	-	3	sil Py Asp P 95.2
95.0–95.5	A 18023	0.3	-	90	<3	120	8100	-	20	F 95.3
95.5–96.5	A 18070	0.6	<0.3	50	15	40	-	-	4	
96.5–97.6	A 18071	0.03	<0.3	50	12	90	-	-	7	sil Py P 97.9 brc or F Py S 98.3
97.6–98.8	A 18024	0.5	-	30	<3	40	900	50	15	arg T.X 98.7
98.8–99.4	A 18025	0.15	<0.3	50	90	40	400	-	16	Px sk T 99.1
99.4–	A 18072	1.1	<0.3	30	7	90	-	-	4	99.4 gd P.T Px-gdp [illegible]

LAB. TEST column, upper part: gd PVT 55.0; fng Ap T 57.6; 57.6 dv P; sk-alt T 58.5; sil T gb 58.9; Ap T 66.7; 71.7 sk vls T; skd mdg T gd PY 75.8

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

MJKA - 18 100.0 m - 130.4 m

1/200
Level 1884.2m Direction 109°
X(N) 2980.4m Inclination 0°
Y(E) 1242.3m Length 130.4m

LITHOLOGY	DEPTH (m)		DESCRIPTIONS	DEPTH (m)	SAMPLE No	ASSAY RESULT Au (ppb)	Ag (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Mo (ppm)	LAB. TEST
	100.2	∠60°	100.2 l-yel-brn sil z 2.5°	100.4	A18072	1.1	<0.3	30	7	90	-	-	4	
	100.4	∠50°	100.4 SJ cuts∠60° sil v 2mm											
	100.5	∠50°	100.5 l-yel-brn sil-Qz z 3cm	101.4	A18073	0.6	<0.3	70	15	30	-	2030	4	
	100.7	∠60°	100.7-100.8 l gry-grn wht sil z w=8cm											
	101.4		101.4~106.1 l gry-grn skd gb, cag	102.4	A18074	0.05	-	50	4	50	-	-	3	
	102.1	∠50°	102.1 l grn sil v 0.5 cm											
	102.9	∠70°	102.9 l-yel sil z w=5cm	103.4	A18075	0.12	<0.3	50	4	50	-	-	5	
	103.4	∠60°	103.4 silic shear 1mm											
				104.4	A18076	0.04	<0.3	70	5	40	-	-	4	
	105.3	∠30°	105.3 mdg sil gd v 2cm, mafic~grn	105.4	A18077	0.04	<0.3	150	12	90	-	-	9	fng gd laminaT 105.4
	106.1		106.1-106.9 grn-gry mdg alt gb (Bt no alt)											
	106.5	∠40°	106.5 shear z, bro+grn gouge, 10cm shear	106.4	A 18078	0.07	<0.3	120	5	70	120	-	12	
	106.9		106.9-109.9 gry-grn mdg skd gb partly brn-gry											
	107.3	∠30°	107.3 shear z 2cm	107.4	A 18079	0.03	<0.3	400	30	50	-	-	9	
	107.9	∠30°	107.9 silck sh=2mm~1cm w/Qz-Ca vls	108.0	A 18080	0.15	<0.3	80	5	70	-	-	7	
	108.1	∠40°	108.1 silck											
				109.0	A 18026	0.3	<0.3	150	15	120	-	-	90	
	109.9		109.9-111.1 fng gm Qz-Px sk											
	110.0	∠30°	Q vz 2cm 109.9-110.4 fng Py diss/vis	110.0	A 18027	0.09	-	30	<3	40	400	50	15	
	110.4	∠80°	110.4-110.7 l-gry-grn-fng sil zone											
	110.7	∠80°	110.7-111.1 l-brn-gry fng sil zone											
	111.1	∠70°	111.1-112.6 grn mdg skd gd	111.1	A 18028	0.3	<0.3	150	15	120	-	-	90	fng PxT 110.7 sil LT 111.1 111.7
	111.4	∠60°	111.1~111.4 gry-grn fng Px sk brn gry gb, d-gry fng slt rk inclusions z											
	111.8	∠60°	shear	111.9	A 18029	0.15	<0.3	150	4	150	-	-	40	
	112.2	∠80°	111.4-111.6 l grn-gry sil zone											
	112.4	∠70°		112.8	A 18030	0.4	0.5	150	12	400	-	-	15	
	112.6	∠60°	Asp-Qz 2mm111.9-112.2 l-gry-grn fng rk (Hb? ø 2mm d-brn											
	112.9	∠70°	112.9-113.0 l-brn-gry sil z w = 4° spots)	113.4	A 18031	0.05	<0.3	120	9	150	-	-	20	vndg Px sil Py P 113.2
	113.3	∠60°	113.0-113.3 d-grn mdg Px-Qz sk, Py diss partly gd texture remain											
	113.6	∠30°	113.3-113.8 gry-grn~p-brn gry fng Qz-Px~sil sk partly gd texture remain	114.4	A 18032	0.3	<0.3	120	20	150	300	-	20	
	114.35	∠80°	113.3-113.6 l grn-wht fng sil sk (gd texture)											
	114.5	∠80°	114.35-114.5 p-grn~cream sil (gd texture), Py diss	115.4	A 18033	0.2	<0.3	150	12	300	120	-	15	
	114.8	∠60°	Asp-Qz 2mm											
	115.5	∠30°	Qz 0.5°dc, silic 114.8-115.5 l-gry-brn gry, l-grn sk net mg, fng Py diss	116.4	A 18034	0.04	0.3	200	7	150	-	-	30	Asp-Qz in fg Px 116.7
	115.7	∠70°	115.5-115.8 gry-grn skd (f-mdg equigranular)	116.75	A 18035	0.09	0.4	400	7	90	120	-	90	
	115.8	∠70°	Asp-Qz 3mm lower half neary fng Px-Qz sk											
	116.1	∠70°	115.8-116.75 l-gry-grn fng Px-Qz sk	117.6	A 18036	0.4	0.3	200	7	300	4000	-	30	
	116.35	∠60°	Asp-Qz 2mm partly gd texture remain (116.35-116.6)	118.0	A 18037	3.3	9	3000	4	1500	-	50	2	
	116.75	∠60°	116.6 Qa vt 0.8mm	118.5	A 18038	3.7	<0.3	500	<3	300	-	<30	1.2	fng Px P 118.4
	117.35	∠60°	116.8-119.75 grn fng (Ga)-Px sk, Cp diss	119.1	A 18041	6.6	20	500	50	300	5000	300	1.2	
	117.6	∠70°	119.75-117.6 Px-Qz (gry-brn) cag sk, Cp diss	119.25	A 18039	3.2	<0.3	500	<3	300	200	<30	1.2	fng 119.4
	117.75	∠80°	117.6-117.8 Qa~Px (cag w/Qa, Mt, Cp)sk	120.0	A 18042	1.3	15	2000	5	2000	-	40	-	
	118.0	∠60°	117.8-118.0 Px sk 117.8~117.75 fng gry 117.75-118.0 cag Px rod-Qa-Py	121.0	A 18043	0.15	<0.3	90	20	50	5000	200	3	
	118.4	∠70°	118.0-118.4 l-yel brn sld skarn,∠70° Ca vls 0.1-1°	122.0	A 18044	0.2	<0.3	300	50	150	500	300	3	
	118.6	∠70°	118.3-118.4 fng Py concentration zone	123.2	A 18045	0.015	<0.3	300	7	30	-	30	4	
	118.7	∠70°	118.4-118.6 Px-Py net	123.3	A 18040	2.0	<0.3	300	5	400	9000	50	1.2	
	119.2	∠70°	118.6-119.6 recrystallized big Ca	124.3	A 18046	0.012	<0.3	50	5	30	-	<30	5	
	119.6	∠70°	119.7 fng Py zone 2°	125.0	A 18047	0.4	1.2	900	15	-	3000	<30	3	
	119.8	∠50°	119.8 fng Py zone 4°+4° gry-skd zone	125.0										
			119.6 fng Py zone 4°	126.0	A18081	0.012	-	60	7	-	-	-	2	
	120.5	∠70°	119.6-129.2 marble include skarnized part oftenly (rd-brn, org-rd & Py)	127.0	A18082	-	-	12	3	-	-	-		
			silic 119.6-120.9 org-rd tint (∠70°-80°)	128.0	A18083	-	-	20	<3	-	-	-	1.2	
			120.9-121.7 wht ma	129.0	A18084	-	-	20	<3	-	-	-	1.2	
	121.7	∠50°	121.7-122.5 brc ma filled wht d-gry Py Py spots	130.4	A18085	-	-	<10	-	-	-	-	-	
	122.2	∠70°	122.2-122.5 breo big Ca, Py spots rich											
	122.5	∠30°	122.2-122.6 big Ca											
Cp	123.2	∠40°	123.2 gry-brn Ga v w=7cm, Cp diss											
	123.4	∠80°-30°	sh=0.1cm wht clay											
			123.4-123.6∠80° gry brn Ga vls Cp diss											
			124.3-124.9∠70° gry brn Ga vls, Cp diss											
			125.7-126.0 ∠80° d-gry fng sulphide											
	125.0	∠60°	silic											
	125.5	∠50°	silic											
	125.7		tint 125.7-126.0 ∠60°~70° silic											
	126.0													
	126.2	∠70°	silic											
	126.7	∠70°	silic											
	127.5	∠80°	tint											
Ga	128.3	∠80°	Ga v 0.5°											
	128.4	tint												
	128.6	∠80°	tint											
	128.8		128.8-129.0 pure wht ma											
	129.0	tint	129.2-130.0 pure wht ma											
	129.2													
	130.4m		The End											

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