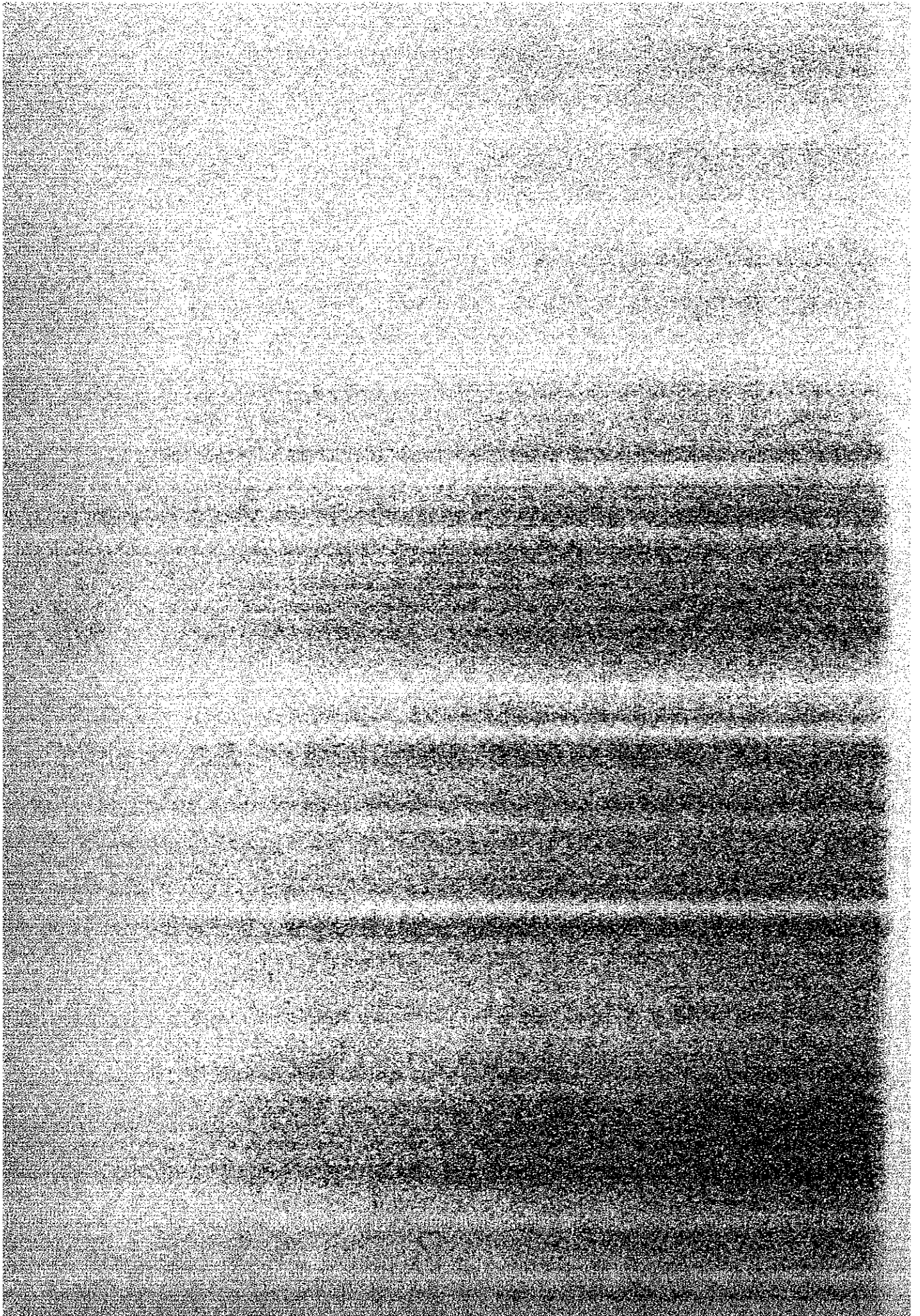


## Appendices



## APPENDIX 1. Au, Ag Assay Values of Samples

(1)

No.	SAMPLE No.	HOLE No.	DEPTH (m)	MINERALS	ANALYSIS		CORE (cm)
					Au (g/t)	Ag (g/t)	
1	RE1-1		-		0.30	3.98	
2	RE1-2		-		0.45	3.46	
3	RE1-3		-		0.03	3.46	
4	RE1-4		-		0.27	3.04	
5	RE1-5		-		0.01	2.94	
6	RE1-6		-		0.01	9.33	
7	RE1-7		-		0.56	4.09	
8	RE1-8		-		<0.01	9.12	
9	RE1-9		-		0.35	2.62	
10	RE1-10		-		0.01	2.52	
11	RE1-11		-		0.12	6.18	
12	RE1-12		-		0.22	3.25	
13	RE1-13		-		<0.01	8.28	
14	RE1-14		-		1.95	7.65	
15	RE1-15		-		1.09	4.93	
16	RE1-16		-		0.77	3.98	
17	C2TR-1		0.50		1.59	1.05	
18	C2TR-2		0.50		0.02	0.63	
19	C2TR-3		0.50		0.01	1.78	
20	C2TR-4		0.50		0.01	1.99	
21	C2TR-5		0.50		0.12	2.42	
22	A3-1-1	A3-1	15.81-16.54	Si	0.01	2.63	73
23	A3-1-2	A3-1	17.62-17.82	Py+Chl	0.04	5.68	20
24	A3-1-3	A3-1	21.00-21.06	Qz	<0.01	1.58	6
25	A3-1-4	A3-1	97.51-97.61	Chl+Py, Po	1.44	4.42	10
26	A3-2-1	A3-2	64.39-64.60	Chl+Si	0.07	5.26	21
27	A3-2-2	A3-2	64.80-64.90	Qz+Po, Py	0.01	4.00	10
28	A3-2-3	A3-2	65.02-65.12	Chl+Si	<0.01	3.47	10
29	A3-2-4	A3-2	82.90-83.45	Qz	0.03	3.05	55
30	A3-2-5	A3-2	91.00-91.40	Chl+Qz	0.01	2.63	40
31	A3-3-1	A3-3	47.67	Qz, Cal+Po	1.35	2.51	5
32	A3-4-1	A3-4	17.35-17.50	Qz, Cal+Po	0.03	2.29	15
33	A3-4-2	A3-4	26.36-26.51	Cal+Shear	0.01	2.17	4
34	A3-4-3	A3-4	63.00-63.75	Chl, Qz	<0.01	1.49	75
35	A3-4-4	A3-4	68.70-68.90	Cal+Qz	0.03	1.94	20
36	A3-4-5	A3-4	96.77-96.85	Qz+Py	7.44	1.83	8
37	A3-5-1	A3-5	27.92-28.57	Qz+Si	0.03	2.63	65
38	A3-5-2	A3-5	28.57-28.99	Qz	0.39	1.97	42
39	A3-5-3	A3-5	57.60-57.70	Shear+Cal	0.07	2.31	10
40	A3-5-4	A3-5	99.30-99.60	Shear+Cal	0.03	2.66	30
41	A3-6-1	A3-6	33.70	Qz	0.01	1.16	3
42	A3-7-1	A3-7	23.56-23.76	Qz+Si	41.21	3.70	20
43	A3-8-1	A3-8	9.92-9.95	Qz	0.01	1.50	3
44	A3-8-2	A3-8	25.70-25.90	Si+Py	0.51	6.48	20
45	E1-1-1	E1-1	30.45-30.95	Hmt, Py	4.96	3.26	45
46	E1-1-2	E1-1	44.44-44.54	Py	0.02	1.28	10
47	E1-1-3	E1-1	50.50-50.75	Py	0.11	1.63	25
48	E1-1-4	E1-1	52.11-52.21	Qz+Py	0.25	2.44	10
49	E1-1-5	E1-1	55.90-56.05	Py	0.09	2.84	15
50	E1-1-6	E1-1	56.15-56.45	Py	0.02	1.51	30
51	E1-1-7	E1-1	57.20-57.30	Py	0.02	2.56	10
52	E1-1-8	E1-1	58.78-59.18	Py	0.01	2.31	40
53	E1-1-9	E1-1	59.87-60.00	Py	0.03	2.89	13
54	E1-1-10	E1-1	60.85-61.00	Py	0.02	2.31	15
55	E1-1-11	E1-1	65.65-65.90	Py	0.55	3.47	25

(2)

No.	SAMPLE No.	HOLE No.	DEPTH (m)	MINERALS	ANALYSIS		CORE (cm)
					Au (g/t)	Ag (g/t)	
56	E1-1-12	E1-1	66.75-67.00	Py	0.81	2.89	25
57	E1-1-13	E1-1	85.15	Qz	0.02	1.39	5
58	E1-1-14	E1-1	96.60-96.9	Qz+Py	0.01	1.74	30
59	E1-1-15	E1-1	97.46-97.61	Py	0.03	2.31	15
60	E1-2-1	E1-2	9.66-9.86	Si	0.01	1.96	20
61	E1-2-2	E1-2	22.00	Qz	0.03	1.85	2
62	E1-2-3	E1-2	23.30	Qz	0.02	1.27	2
63	E1-2-4	E1-2	26.87-27.12	Qz+Py	0.04	8.99	3
64	E1-2-5	E1-2	27.80-28.35	Py	0.02	7.15	55
65	E1-2-6	E1-2	30.82	Qz+Lm+Hmt	0.10	2.88	
66	E1-2-7	E1-2	55.40-56.40	Py	0.03	4.63	100
67	E1-2-8	E1-2	61.10-61.30	Py	0.01	3.47	20
68	E1-2-9	E1-2	72.20-73.20	Py	0.87	4.40	100
69	E1-2-10	E1-2	77.00-77.20	Qz+Cal	0.01	5.21	1.2
70	E1-2-11	E1-2	87.82	Cal	0.01	13.89	4
71	E1-2-12	E1-2	99.60	Py	0.12	2.24	
72	E1-3-1	E1-3	47.50-48.05	Arg	0.08	4.61	55
73	E1-3-2	E1-3	51.20-52.15	Qz ntw+Lm	0.04	1.71	95
74	E1-3-3	E1-3	52.15-54.00	Hmt	0.04	2.89	185
75	E1-3-4	E1-3	54.00-54.50	Arg	0.12	2.24	50
76	E1-3-5	E1-3	59.57-59.95	Hmt	1.39	3.82	38
77	E1-3-6	E1-3	76.38-76.43	Hmt	0.14	4.08	5
78	E1-3-7	E1-3	80.82-80.92	Py+Cal	1.46	6.94	5
79	E1-3-8	E1-3	82.30-82.55	Py	0.04	2.36	25
80	E1-3-9	E1-3	88.00-88.36	Py+Cal	0.38	2.75	3
81	E1-3-10	E1-3	94.20-95.10	Py+Qz, Si	0.03	2.23	90
82	E1-3-11	E1-3	97.45	Cal+Py	1.34	5.10	2
83	E1-4-1	E1-4	37.47-37.72	Hmt	0.02	2.49	25
84	E1-4-2	E1-4	38.20-38.78	Hmt+Spd+Qz	0.05	4.32	58
85	E1-4-3	E1-4	39.90-40.10	Qz+Hmt ± Spd	6.69	7.07	20
86	E1-4-4	E1-4	40.10-42.40	Hmt	0.09	3.93	230
87	E1-4-5	E1-4	43.21-43.51	Hmt	0.25	3.80	30
88	E1-4-6	E1-4	44.62-44.92	Hmt	0.06	2.75	10
89	E1-4-7	E1-4	54.50-55.00	Arg	0.08	1.57	50
90	E1-4-8	E1-4	64.19-64.69	Py+Cal	0.35	1.57	50
91	E1-4-9	E1-4	64.69-65.25	Py+Cal	0.03	1.57	50
92	E1-4-10	E1-4	71.80-71.90	Cal+Qz	0.03	1.86	4
93	E1-4-11	E1-4	74.10-74.20	Si+Py	53.37	63.16	10
94	E1-4-12	E1-4	74.64-74.84	Py	0.49	1.73	20
95	E1-4-13	E1-4	81.60-81.80	Py	0.20	1.73	20
96	E1-4-14	E1-4	83.00-83.35	Py	0.07	2.26	35
97	E1-4-15	E1-4	83.85-83.95	Py	0.02	1.99	10
98	E1-4-16	E1-4	84.60-84.90	Chl	0.01	2.53	30
99	E1-4-17	E1-4	86.75-87.45	Cal, Chl+Py	0.06	1.98	70
100	E1-4-18	E1-4	97.25-97.30	Cal+Py	0.01	1.72	5
101	E1-5-1	E1-5	31.70-32.70	BIF/Si	0.05	1.46	100
102	E1-5-2	E1-5	35.80-36.60	Hmt	0.02	2.25	80
103	E1-5-3	E1-5	37.10-37.70	Hmt	0.03	1.12	40
104	E1-5-4	E1-5	39.80-40.50	Hmt	0.04	1.72	70
105	E1-5-5	E1-5	40.90-41.30	Hmt	0.07	1.98	40
106	E1-5-6	E1-5	49.60-49.80	Py+Qz	0.01	1.98	20
107	E1-5-7	E1-5	54.54-55.20	Si, Cal	0.02	1.46	66
108	E1-5-8	E1-5	55.20-55.90	Si, Cal	0.02	1.72	70
109	E1-5-9	E1-5	70.60-70.65	Py	0.03	1.98	5
110	E1-5-10	E1-5	86.15-86.40	Py	0.02	1.85	25

No.	SAMPLE No.	HOLE No.	DEPTH (m)	MINERALS	ANALYSIS		CORE (cm)
					Au (g/t)	Ag (g/t)	
111	E1-5-11	E1-5	87.65-87.80	Py	0.06	2.84	15
112	E1-5-12	E1-5	90.40-90.75	Py	0.04	2.47	35
113	E1-5-13	E1-5	92.90-93.30	Py	0.03	2.84	40
114	E1-5-14	E1-5	93.60-93.95	Py	0.05	3.34	35
115	E1-5-15	E1-5	94.75-94.95	Py	0.26	4.33	20
116	E1-5-16	E1-5	95.45-95.90	Py	0.34	3.34	45
117	E1-6-1	E1-6	34.80-35.20	Hmt	0.08	2.60	40
118	E1-6-2	E1-6	36.50-37.40	Hmt	0.07	3.12	90
119	E1-6-3	E1-6	37.40-38.00	Arg	0.06	2.62	60
120	E1-6-4	E1-6	38.60-38.70	Hmt	0.05	2.12	10
121	E1-6-5	E1-6	39.86-40.10	Hmt	0.01	2.12	24
122	E1-6-6	E1-6	41.85-42.35	Hmt	0.13	3.12	50
123	E1-6-7	E1-6	44.20-45.20	Shear	0.02	2.24	100
124	E1-6-8	E1-6	59.65-59.77	Si+Py	0.04	2.12	12
125	E1-6-9	E1-6	63.20	Qz	0.04	1.88	3
126	E1-6-10	E1-6	91.67-92.55	Py	0.01	2.13	88
127	E1-6-11	E1-6	92.55-93.35	Py	0.01	3.13	80
128	E1-6-12	E1-6	95.56-96.46	Py	0.04	3.75	90
129	E1-6-13	E1-6	96.46-97.36	Py	0.05	2.88	90
130	E1-6-14	E1-6	97.36-98.26	Py	0.02	3.38	90
131	E1-6-15	E1-6	98.26-99.16	Py	0.01	2.63	90
132	E1-7-1	E1-7	32.81	Shear	0.01	1.63	
133	E1-7-2	E1-7	37.80-39.40	Py	0.01	2.63	160
134	E1-7-3	E1-7	43.88-44.68	Si	0.03	2.38	80
135	E1-7-4	E1-7	48.33-49.41	Fault	0.01	2.13	108
136	E1-7-5	E1-7	59.80-60.20	Fault	0.02	2.25	40
137	E1-7-6	E1-7	68.52-68.72	Qz+Py	0.04	3.63	80
138	E1-7-7	E1-7	71.64-71.71	Qz+Py	0.01	3.38	7
139	E1-7-8	E1-7	79.20-79.25	Si+Chl	0.03	2.50	5
140	E1-8-1	E1-8	18.76	Arg	0.01	2.00	
141	E1-8-2	E1-8	26.88	Shear	0.01	1.88	
142	E1-8-3	E1-8	46.05-46.35	BIF	0.02	1.25	30
143	E1-8-4	E1-8	47.45-47.65	Shear	0.03	2.25	20
144	E1-8-5	E1-8	48.62-49.62	Fault	0.01	2.50	100
145	E1-8-6	E1-8	49.62-50.62	Fault	0.01	2.50	100
146	E1-8-7	E1-8	60.70-61.15	Hmt	0.01	3.50	45
147	E1-8-8	E1-8	79.75-79.95	Py+Cal	0.01	2.63	20
148	E1-8-9	E1-8	81.52-81.77	Py	1.00	3.12	4
149	E1-8-10	E1-8	84.53-84.88	Si+Py	0.02	2.88	35
150	E1-8-11	E1-8	86.40-87.20	Hmt	0.02	3.13	80
151	E1-9-1	E1-9	20.07	Si+Qz	1.28	4.25	
152	E1-9-2	E1-9	38.74-39.50	Si, Chl	0.07	1.93	76
153	E1-9-3	E1-9	41.50-43.91	Si+Py, Hmt	0.07	1.54	241
154	E1-9-4	E1-9	43.91-45.15	Si+Py, Hmt	0.03	1.67	124
155	E1-9-5	E1-9	48.25-48.78	Hmt	0.09	1.42	53
156	E1-9-6	E1-9	48.78-50.00	Hmt	0.02	2.19	122
157	E1-9-7	E1-9	50.31-50.90	Si+Py	0.09	1.54	59
158	E1-9-8	E1-9	51.84-52.17	Shear	0.02	2.16	33
159	E1-9-9	E1-9	59.75-60.68	Hmt	0.02	1.78	93
160	E1-9-10	E1-9	60.06-61.08	Hmt	0.13	1.91	102
161	E1-9-11	E1-9	61.08-62.10	Hmt	0.03	1.65	102
162	E1-9-12	E1-9	62.10-62.73	Hmt	0.02	1.91	63
163	E1-9-13	E1-9	62.73-63.58	Hmt	0.02	2.29	85
164	E1-9-14	E1-9	68.00-68.51	Hmt	0.02	3.69	51
165	E1-9-15	E1-9	86.60-87.25	Shear+Hmt	0.01	1.27	65

(4)

No.	SAMPLE No.	HOLE No.	DEPTH (m)	MINERALS	ANALYSIS		CORE (cm)
					Au (g/t)	Ag (g/t)	
166	E1-9-16	E1-9	96.86-96.96	Qz+Py	0.67	3.46	10
167	E1-10-1	E1-10	34.50-35.40	Py	0.19	2.69	90
168	E1-10-2	E1-10	38.00-38.65	Py	0.02	19.62	65
169	E1-10-3	E1-10	38.65-39.35	Si+Arg	0.14	2.18	50
170	E1-10-4	E1-10	42.00-42.80	Arg+Hmt	0.10	2.82	80
171	E1-10-5	E1-10	42.80-43.70	Arg+Hmt	0.28	2.95	90
172	E1-10-6	E1-10	47.70-48.64	Hmt	0.01	6.74	94
173	E1-10-7	E1-10	48.64-49.72	Hmt	0.01	4.20	108
174	E1-10-8	E1-10	49.72-51.00	Hmt	0.03	2.42	128
175	E1-10-9	E1-10	51.00-52.00	Hmt	0.02	2.54	100
176	E1-10-10	E1-10	54.30-54.48	Hmt, Py	0.01	2.16	18
177	E1-10-11	E1-10	54.85	Qz	0.02	2.42	2
178	E1-10-12	E1-10	55.35-55.42	Qz	0.01	4.45	3
179	E1-10-13	E1-10	56.27-56.42	Py+Hmt	0.15	3.76	15
180	E1-10-14	E1-10	58.15-58.30	Qz	0.06	2.63	15
181	E1-10-15	E1-10	58.75-58.95	Qz+Py	0.02	2.63	2
182	E1-10-16	E1-10	85.20-86.80	Py	0.04	3.38	160
183	E1-10-17	E1-10	86.80-87.70	Py	0.04	2.51	90
184	E1-10-18	E1-10	87.70-88.70	Py	0.03	2.88	100
185	E1-10-19	E1-10	88.70-90.10	Py	0.01	2.63	140
186	E1-11- 1	E1-11	38.40-38.65	Hmt+Py	0.02	2.63	15
187	E1-11- 2	E1-11	39.60-40.10	Hmt	0.03	2.88	50
188	E1-11- 3	E1-11	44.47	Hmt, Py	0.01	2.13	
189	E1-11- 4	E1-11	52.35-53.54	Py	0.01	2.63	119
190	E1-11- 5	E1-11	56.82-57.67	Py, Hmt	0.04	2.13	85
191	E1-11- 6	E1-11	59.08-59.18	Hmt, Py	0.16	3.09	10
192	E1-11- 7	E1-11	61.20-62.52	Hmt	0.01	2.21	132
193	E1-11- 8	E1-11	62.52-63.20	Hmt	0.07	2.50	68
194	E1-11- 9	E1-11	69.94-70.76	Py	0.07	3.09	82
195	E1-11-10	E1-11	70.76-71.66	Py	0.04	3.38	90
196	E1-11-11	E1-11	71.66-72.72	Py	0.03	2.06	86
197	E1-11-12	E1-11	72.72-73.77	Py	0.05	2.21	105
198	E1-11-13	E1-11	73.77-74.40	Py	0.11	2.75	63
199	E1-11-14	E1-11	77.00-77.72	Py	0.04	2.31	72
200	E1-11-15	E1-11	77.40-77.45	Qz+Py	0.05	2.89	5
201	E1-11-16	E1-11	79.65-80.20	Qz+Py	0.05	2.89	55
202	E1-11-17	E1-11	81.96-82.26	Py	0.05	2.75	30
203	E1-11-18	E1-11	83.91-84.90	Py	0.08	2.17	99
204	E1-11-19	E1-11	84.90-85.94	Py	0.05	3.18	105
205	E1-11-20	E1-11	85.94-86.60	Py	0.02	3.00	65
206	E1-11-21	E1-11	89.25-90.10	Py	0.02	2.29	85
207	E1-11-22	E1-11	91.55-92.00	Py	0.02	2.14	45
208	E1-11-23	E1-11	92.45-92.90	Py	0.03	2.43	45
209	E1-11-24	E1-11	95.60-96.80	Py	0.04	2.57	120
210	E1-12- 1	E1-12	30.90-31.20	Arg+Hmt	0.03	2.14	33
211	E1-12- 2	E1-12	34.60-34.90	Hmt, Py	0.09	2.14	30
212	E1-12- 3	E1-12	53.07-53.60	Qz+Py	0.01	2.60	53
213	E1-12- 4	E1-12	54.74-55.30	Py	0.05	2.89	56
214	E1-12- 5	E1-12	55.30-56.00	Py	0.05	2.02	70
215	E1-12- 6	E1-12	81.68-82.58	Py+Chl	0.04	3.32	90
216	E1-12- 7	E1-12	86.00-86.80	Py	0.08	3.03	80
217	E1-12- 8	E1-12	87.99-88.45	Py	0.06	2.75	50
218	E1-12- 9	E1-12	91.65-92.40	Py	0.63	2.89	75
219	E1-12-10	E1-12	95.45-94.65	Py	0.06	2.16	20
220	E1-12-11	E1-12	98.76-99.40	Py	0.06	3.16	64
221	E1-12-12	E1-12	99.40-100.10	Py	0.03	2.73	70

No.	SAMPLE No.	HOLE No.	DEPTH (m)	MINERALS	ANALYSIS		CORE (cm)
					Au (g/t)	Ag (g/t)	
222	C2-1-1	C2-1	16.10-16.18	Qz, Cal+Py	0.1	2.16	3.4
223	C2-1-2	C2-1	28.65-28.90	Py, Po dis	0.03	2.87	25
224	C2-1-3	C2-1	38.05-38.15	Qz+Py, Cp	1.87	6.75	3
225	C2-2-1	C2-2	31.20-35.15	Cal, Qz+Py	0.06	3.3	30
226	C2-2-2	C2-2	38.97-39.17	Py+Qz	0.02	3.16	20
227	C2-2-3	C2-2	64.03-64.18	Qz+Py, Cp	0.08	2.73	4

## ABBREVIATION

Qz: Quartz  
 Cal: Calcite  
 Chl: Chlorite  
 Arg: Argile/Clay  
 Si: Silicification  
 Shear: Shear zone  
 BIF: Banded Iron Stone  
 Py: Pyrite  
 Hmt: Hematite  
 Lmt: Limonite  
 Po: Pyrrhotite  
 Cp: Chalcopyrite  
 Spd: Sulphide minerals  
 ntw: network

QP: Quartz porphyry  
 Sch: Schist  
 Dc: Dacite  
 Gr: Granite  
 Tf: Tuff  
 Bs: Basalt  
 Ad: Andesite

TS: Thin Section  
 PO: Polished Section  
 HT: Homogenization Temperature

APPENDIX 2. Results of Microscopic Identification  
of Thin Sections

SAMPLE No.	HOLE No.	DEPTH (m)	GEOLOGY	Pl	Qz	Kf	Ap	Ca	Mu	Bi	Ch	Ep	Texture
TS-1	A3-2	93.60	QP	⊙	○	△			○	○			blastoporphyritic
TS-2	A3-3	88.50-92.80	Sch	⊙	○	△		△	○	○			granoblastic
TS-3	A3-4	17.10-29.96	Dc	⊙	⊙	△	*	△	△	○			blastoporphyritic
TS-4	A3-5	68.80-80.35	Sch	○	⊙	△	*	*	△	○			blastoporphyritic
TS-7	E1-6	74.30-74.50	If	△	△		*	⊙	*		*	*	granoblastic
TS-8	E1-6	86.02-100.00	Is	△	△		*	⊙	*		○		granoblastic
TS-9	E1-7	37.80-100.00	Dc	△	△		*	⊙	*		○		
TS-10	E1-8	61.60-70.00	A	△	○		*	△	*		⊙		
TS-11	E1-9	78.19-93.80	QF	△	○		*	⊙	*		⊙		
TS-12	E1-10	90.00-100.00	Ad	△	△		*	○			⊙		

Sample No.	Hole No.	Depth (m)	Geology	Phenocryst				Groundmass				Secondary	Texture	
				Pl	Qz	Hb	Bi	Kf	Pl	Qz	Kf			Ac
TS-5	A3-8	11.50	Gr	○	○		△	*		○	○	△	*	Se, Ch, Ca porphyritic
TS-6	E1-1	68.30-74.15	Dc	○	△					○	○	△	*	Ca, Se carbonitization
TS-13	C2-1	90.00	QP	○	○	○	△			○	△	△	*	Se, Ch, Ep porphyritic

Pl: Plagioclase                      Ca: Calcite                      Hb: Hornblende  
 Qz: Quartz                              Mu: Muscovite                      Ac: Accessory minerals  
 Kf: Potash Feldspar                      Bi: Biotite                              Se: Sericite  
 Ap: Apatite                                Ch: Chlorite                              Ep: Epidote

⊙: abundant      ○: common      △: present      \*: poor



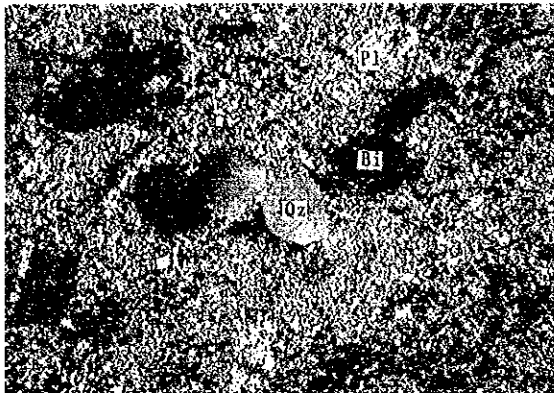
APPENDIX 3. Results of Microscopic Identification  
of Polished Sections

Sample No.	Hole No.	Depth (m)	Ore Mineral											Gang		Remarkable Texture		
			Au	Py	Ma	Po	As	Cp	Sp	Il	Mt	He	FH	Qz	Ca			
P0-1	A3-2	37.55	○					*								△	○	
P0-2	A3-2	54.80(1)	•			•	*	*										
P0-3	A3-2	64.80(2)	•		•	△	•	*	*	*							○	
P0-4	A3-5	28.60	△		•	△		•									○	Pentlandite
P0-5	E1-1	56.00	○					*									○	
P0-6	E1-4	41.95												◎				accicular He
P0-7	E1-5	92.72	*	△			*	*										3 micron Au
P0-8	E1-6	59.70	△					*	*									cubic Py
P0-9	E1-6	99.00	△					*										
P0-10	E1-8	62.72	△															
P0-11	E1-8	68.25	*	△												△	△	1 micron Au
P0-12	E1-10	54.40	△					*	*								○	
P0-13	E1-10	56.40	*					*	*									Goethite△
P0-14	E1-10	93.00	△					*	*								◎	
P0-15	E1-11	90.10	◎					*	*									Cc*

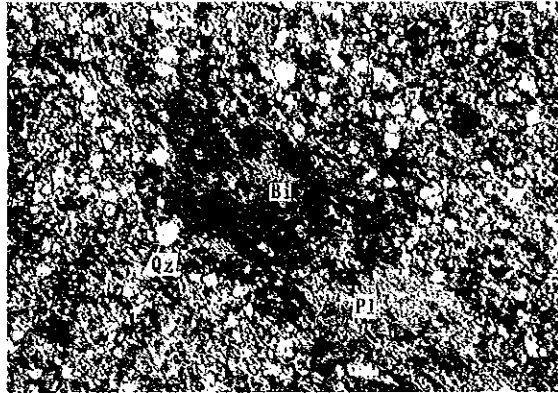
Au: Electrum      As: Arsenopyrite      Mt: Magnetite      Qz: Quartz  
 Py: Pyrite      Cp: Chalcopyrite      He: Hematite      Ca: Calcite  
 Ma: Marcasite      Sp: Sphalerite      FH: Fe-Oxide  
 Po: Pyrrhotite      Il: Ilmenite      Cc: Chalcocite

◎: abundant      ○: common      △: present      •: poor      \*: rare

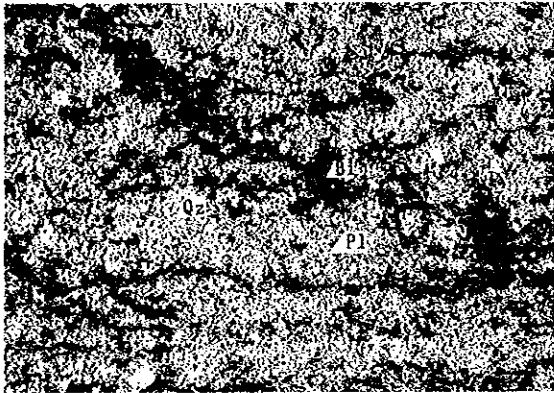
APPENDIX 4. Photomicrographs of Thin Sections



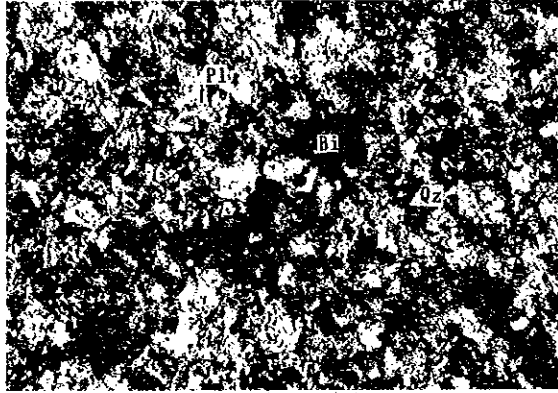
Sample No. : A3-2/ 93.6 m      Crossed nicols  
 Rock Type : Quartz porphyry  
 Note : Blastoporphyritic      0.5 mm



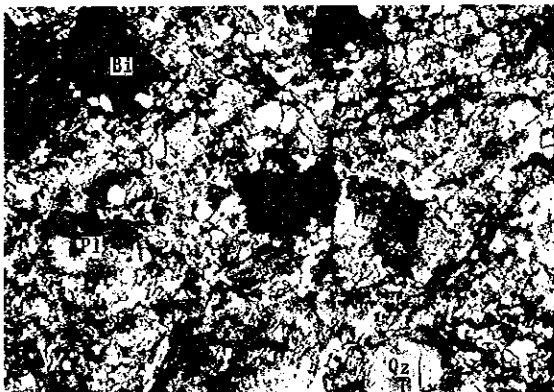
Sample No. : A3-2/ 93.6 m      Crossed nicols  
 Rock Type : Quartz porphyry  
 Note : Pelitic fragments included      0.1 mm



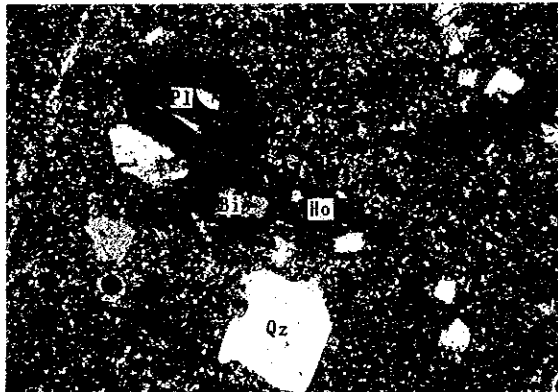
Sample No. : A3-3/ 91.0 m      Open nicol  
 Rock Type : Pelitic Hornfels  
 Note :      0.5 mm



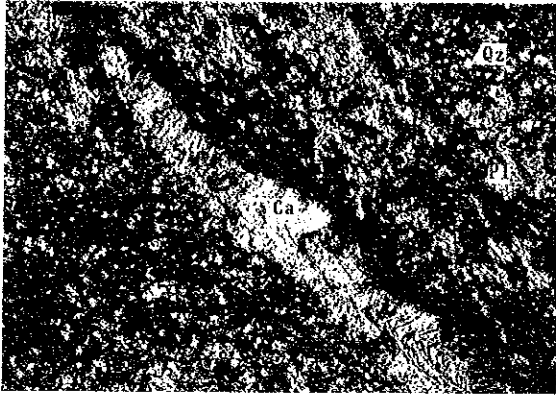
Sample No. : A3-5/ 73.7 m      Crossed nicols  
 Rock Type : Quartz porphyritic  
 Note : Blastoporphyritic      0.5 mm



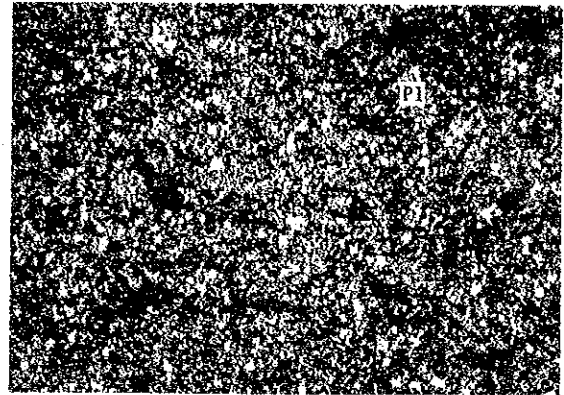
Sample No. : A3-8/ 11.5 m      Crossed nicols  
 Rock Type : Biotite granodiorite  
 Note : Porphyritic      0.5 mm



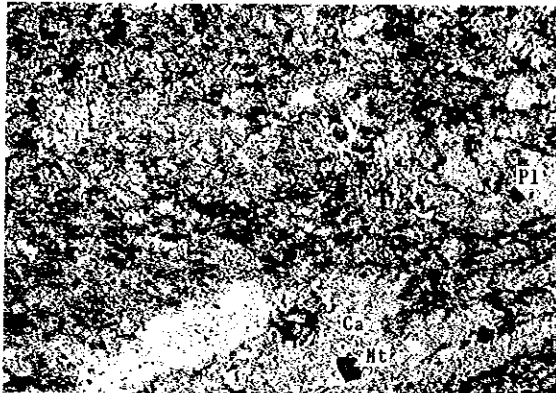
Sample No. : C2-1/ 90 m      Crossed nicols  
 Rock Type : Quartz porphyry  
 Note : Phenocryst of Hornblende and Biotite      0.5 mm



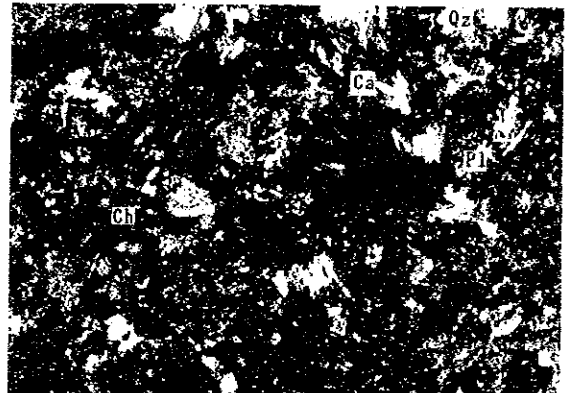
Sample No. : E1-1/ 72 m      Crossed nicols  
 Rock Type : Altered Dacite  
 Note : Carbonitization      0.5 mm



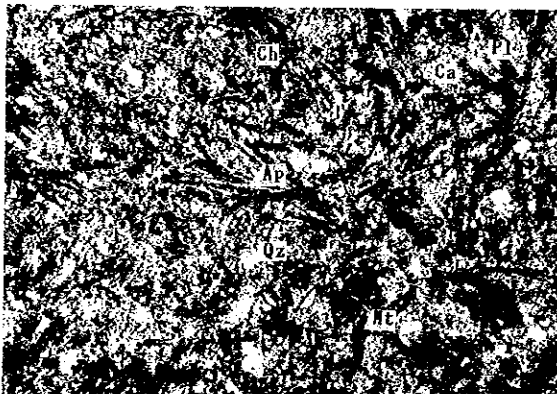
Sample No. : E1-1/ 72 m      Crossed nicols  
 Rock Type : Dacite  
 Note : Carbonitization      0.5 mm



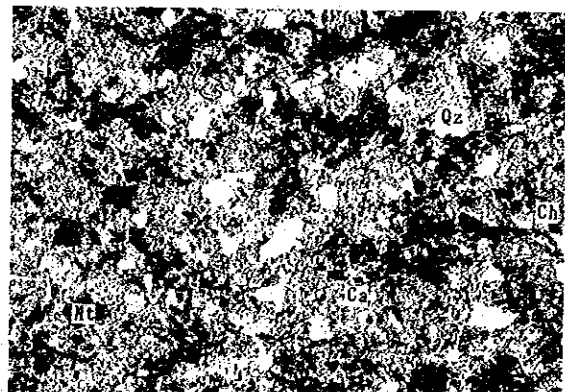
Sample No. : E1-6/ 89 m      Open nicol  
 Rock Type : Basic tuff  
 Note : Deccussate texture      0.5 mm



Sample No. : E1-7/ 45 m      Crossed nicols  
 Rock Type : Quartz diorite porphyry  
 Note : Porphyritic      0.5 mm

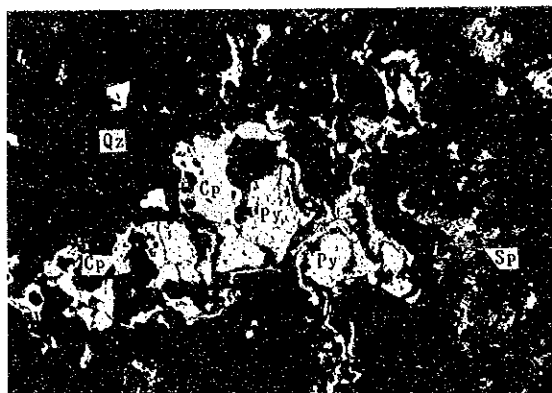


Sample No. : E1-8/ 61.6 m      Open nicol  
 Rock Type : Basic lava  
 Note : Granoblastic      0.5 mm



Sample No. : E1-9/ 90 m      Open nicol  
 Rock Type : Basic lava  
 Note : Deccussate texture      0.5 mm

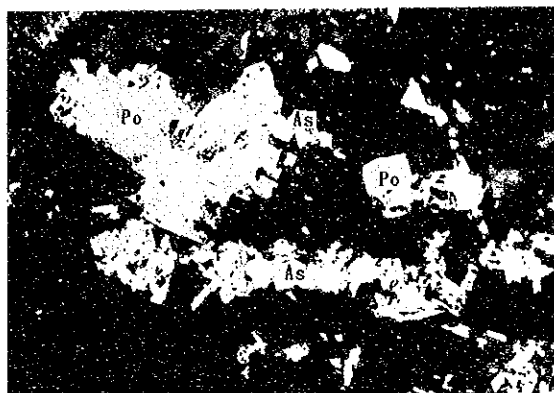
APPENDIX 5. Photomicrographs of Polished Sections



Sample No. : A3-2/ 37.55 m

Note : Intergrowth of chalcopyrite and pyrite

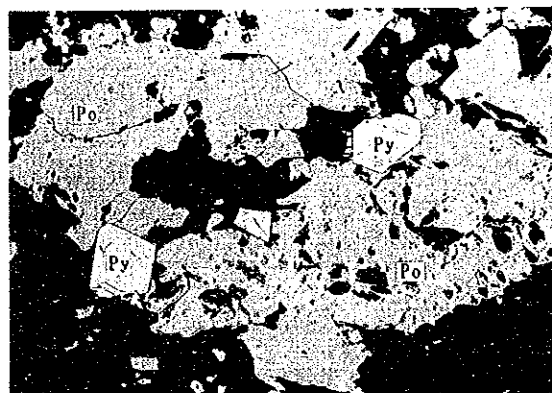
0.1 mm



Sample No. : A3-2/ 64.8 m

Note : Pyrrhotite and arsenopyrite laths

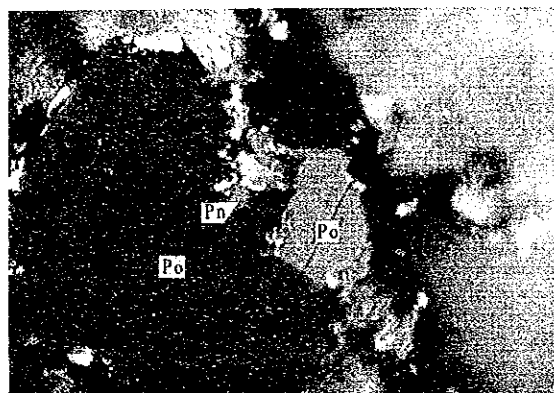
0.1 mm



Sample No. : A3-2/ 64.8 m

Note : Intergrowth of pyrite and pyrrhotite

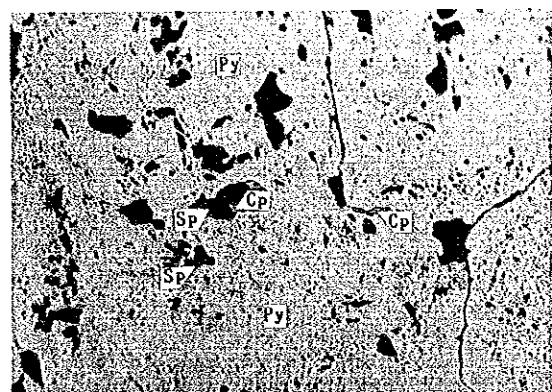
0.1 mm



Sample No. : A3-5/ 28.6 m

Note : Pentlandite in pyrrhotite

0.1 mm



Sample No. : E1-1/ 56.0 m (a)

Note : Pyrite grains

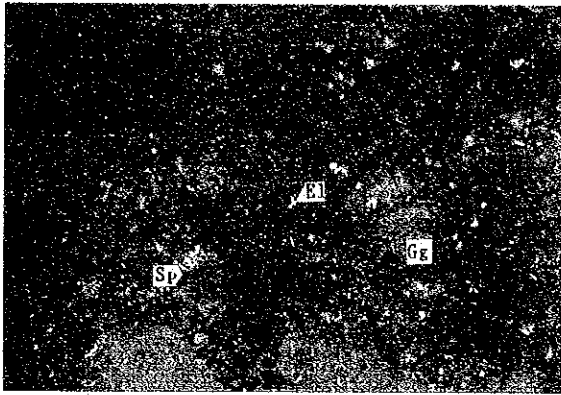
0.05 mm



Sample No. : E1-1/ 56.0 m (b)

Note : Micrograins of chalcopyrite and sphalerite in pyrite

0.1 mm



Sample No. : E1-5/ 92.7 m

Note : Micrograins of electrum  
in gangue minerals

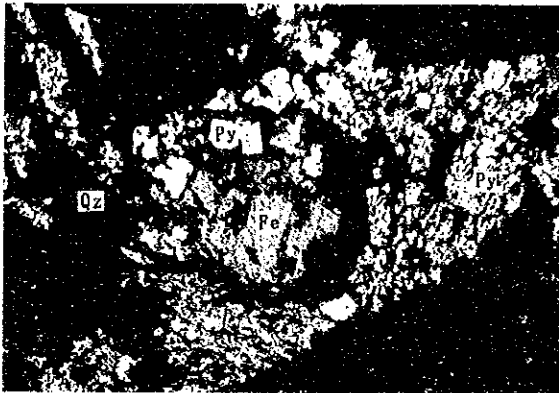
0.05 mm



Sample No. : E1-6/ 99 m

Note : Chalcopyrite with pyrite  
crystal

0.05 mm



Sample No. : E1-8/ 62.72 m

Note : Pyrite dissemination

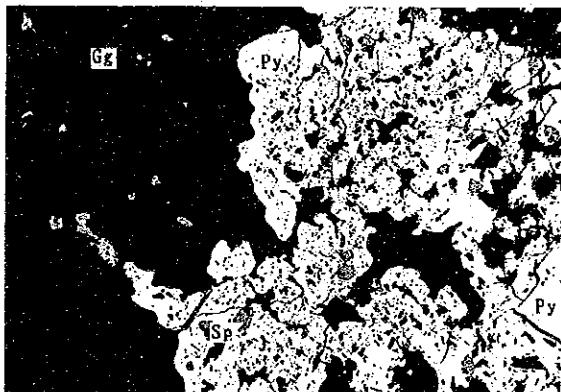
0.1 mm



Sample No. : E1-10/ 54.4 m

Note : Pyrite pseudomorph  
replaced with goethite

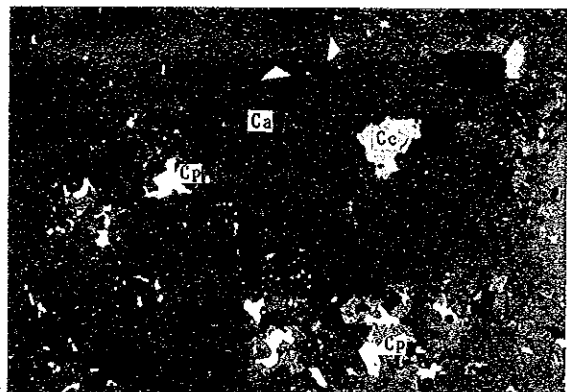
0.1 mm



Sample No. : E1-11/ 90.10 m (a)

Note : Pyrite including  
sphalerite dots

0.1 mm



Sample No. : E1-11/ 90.10 m (b)

Note : Chalcocite and Chalco-  
pyrite specks in calcite

0.1 mm

APPENDIX 6. Homogenization Temperature of Fluid Inclusions

(1)

No.	1	2	3	4	5	6	7	8	9	10
SAMPLE No.	HT-1	HT-2	HT-3	HT-4	HT-5	HT-6	HT-7	HT-8	HT-9	HT-10
HOLE No.	A3-1	A3-2	A3-2	A3-4	A3-5	A3-6	A3-7	E1-1	E1-1	E1-4
DEPTH (m)	21.00	37.50	64.80	96.77	28.57	33.70	23.56	85.15	96.60	74.10
MINERALS	Qz	Cal+Qz	Qz	Qz	Qz	Qz	Qz+Si	Qz	Qz	Qz
TEMPERATURE	120	N D	N D	187	163	155	N D	161	202	N D
	124			188	191	155		186	176	
	117			186	188	135		193	165	
	120			188	186			176	202	
	140			140	156			124	186	
	120			142	159			165	182	
	151			148	171			139	191	
	143			155	167			120	185	
	154			151	190			135	154	
	123			273	176			148	152	
	125				144			130	153	
	149				148			165	148	
	145				163			207	170	
	180				180			170	150	
	152				171			163	169	
	123				162			168	169	
	123				172			170	132	
	138				169			173	149	
	144				157			126	144	
	126				144			153	145	
124				165			200	145		
145										
140										
N	23			10	21	3		21	21	
MEAN	135.9			175.8	167.7	148.3		160.5	165.1	
DEVIATION	15.27			37.70	13.75	9.428		24.42	19.82	

\* N D : Not Detected

(2)

No.	11	12	13	14	15	16	17	18	19	20
SAMPLE No.	HT-11	HT-12	HT-13	HT-14	HT-15	HT-16	HT-17	HT-18	HT-19	HT-19B
HOLE No.	E1-5	E1-6	E1-7	E1-7	E1-9	E1-10	E1-10	E1-10	E1-10	E1-10
DEPTH (m)	69.00	63.20	44.68	68.52	96.86	54.85	55.35	58.15	58.85	58.85
MINERALS	Qz+Cal	Qz	Qz	Qz+Cal	Qz	Qz	Qz	Qz	Qz	Qz
TEMPERATURE	N D	N D	132	N D	N D	133	116	129	116	121
			150			126	116	128	114	120
			154			130	117	125	114	118
			156			150	112	130	116	119
			166			150	117	126	116	117
			140			148	117	126	116	119
			147			152	113	126	119	134
			132			152	114	123	117	116
			137			156	113	140	120	115
			135			159	111	129	114	110
			156			144	116	135	112	112
			132			154	115	130	111	112
			147			166	120	131	134	128
			140			125	123	131	117	112
			134			159	120	133	116	114
			132			157	122	136	120	132
			132			147	120	142	116	123
			138			128	112	136	122	115
			159			151	114	143	122	145
			135			130	112	131	137	139
		145			135	122	130	119	149	
		147			128	120	137	120	144	
		184			150		139		134	
							139		118	
N			23			23	22	24	22	24
MEAN			144.7			144.7	116.4	132.2	118.5	123.5
DEVIATION			12.93			12.21	3.589	5.533	6.088	11.39

\* N D : Not Detected

(3)

No.	21	22	23	24	25
SAMPLE No.	HT-20	HT-21	HT-22	HT-23	HT-24
HOLE No.	E1-10	E1-11	C2-1	C2-1	C2-2
DEPTH (m)	93.00	77.40	38.05	53.25	64.03
MINERALS	Cal	Qz	Qz	Qz+Cal	Cal
TEMPERATURE	N D	N D	135	160	N D
			136	138	
			121	133	
			121	117	
			156	130	
			141	117	
			141	125	
			164	122	
			123	125	
			125	127	
			150	116	
			141	160	
			124	129	
			130	120	
			132	133	
			140	140	
			170	121	
		139	123		
		130	125		
		137	132		
N			20	20	
MEAN			137.8	129.6	
DEVIATION			13.31	12.03	
* N D : Not Detected					





