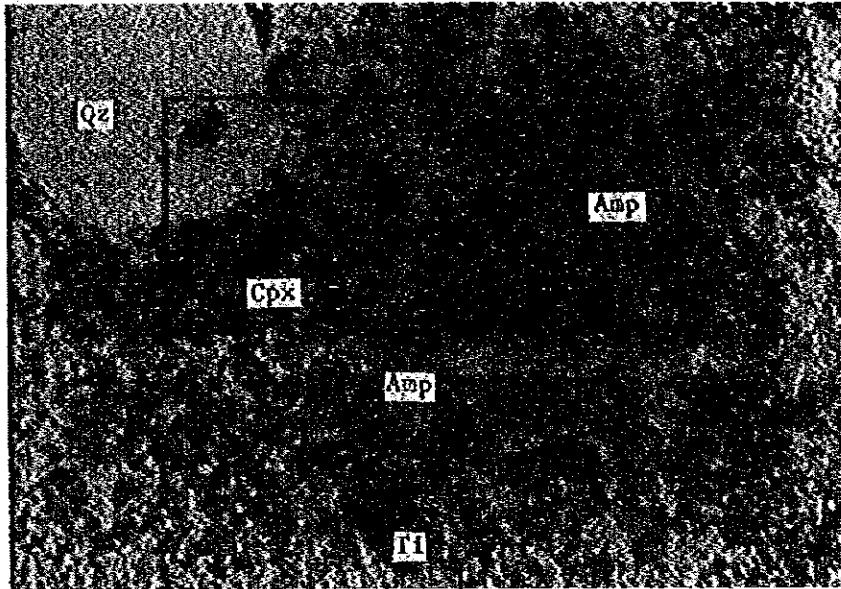
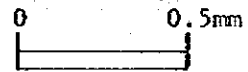


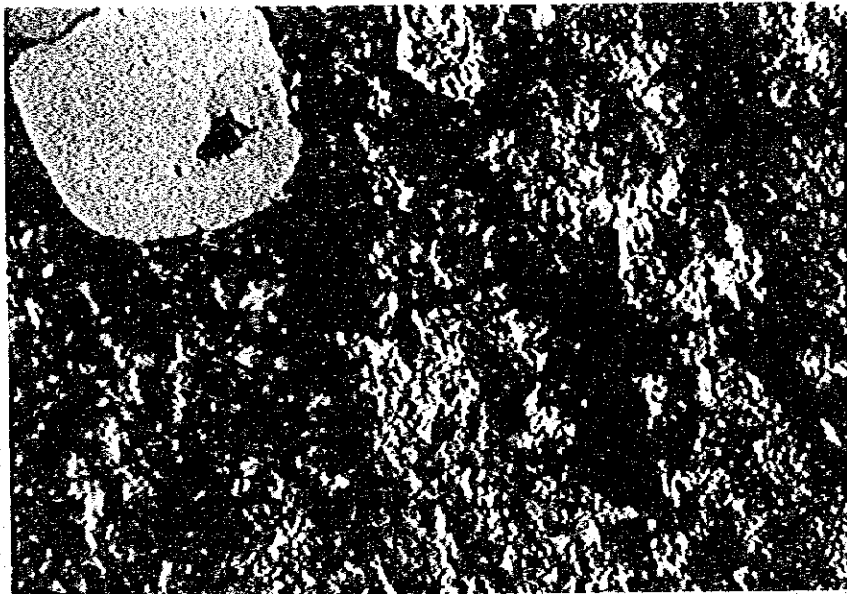
(53) GN-69A



open nicol



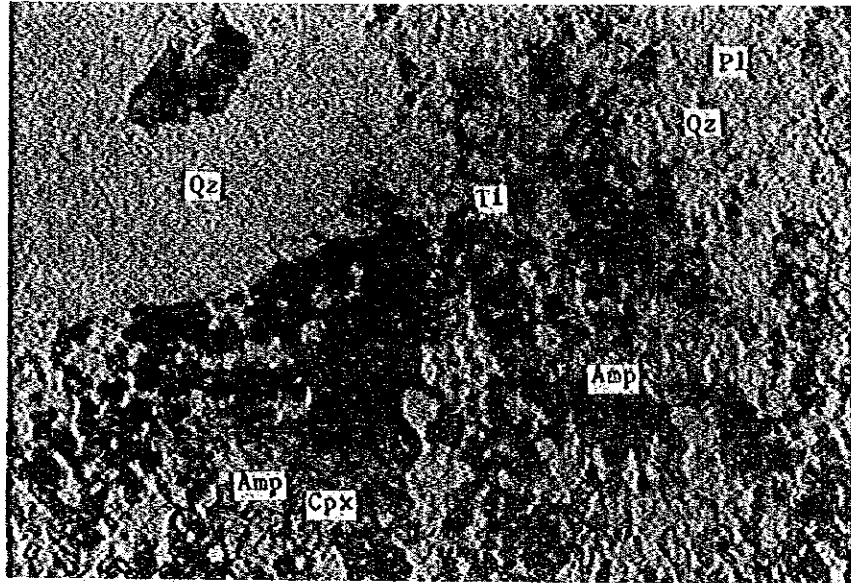
(54) GN-69A



crossed nicols



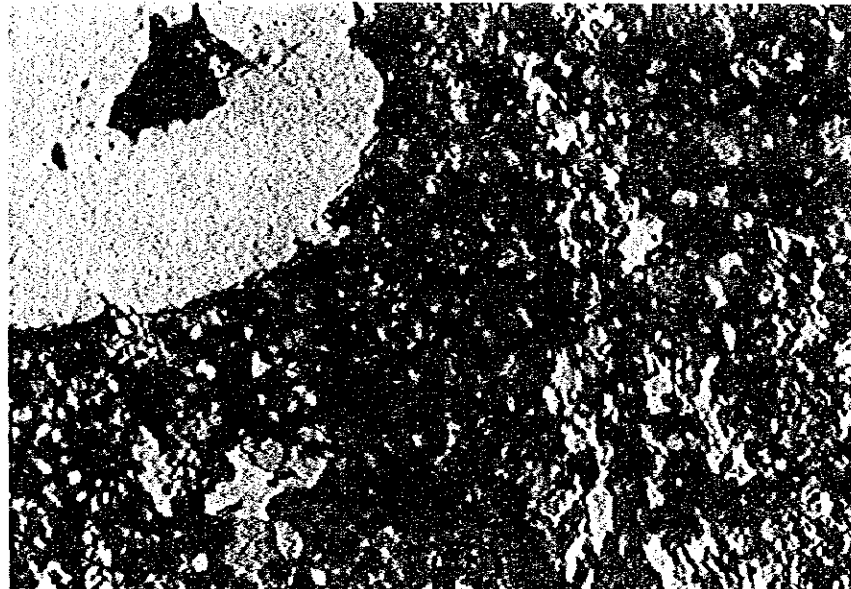
(55) GN-69A



open nicol



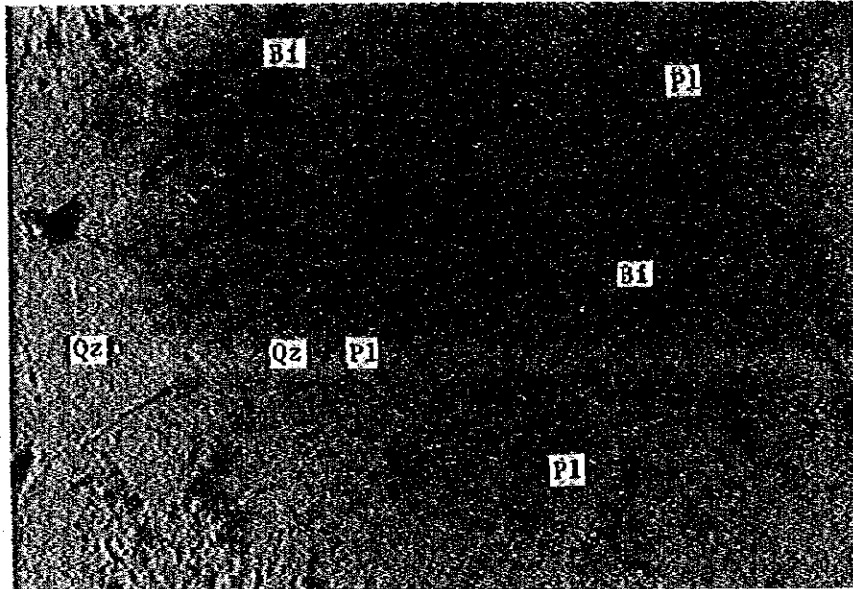
(56) GN-69A



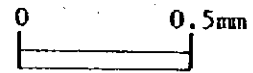
crossed nicols



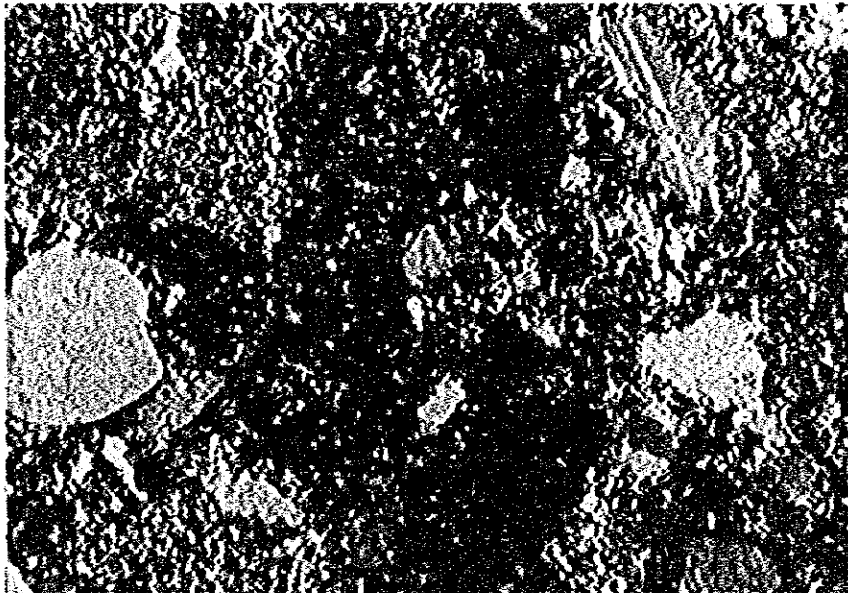
(57) GN-94



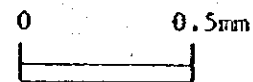
open nicol



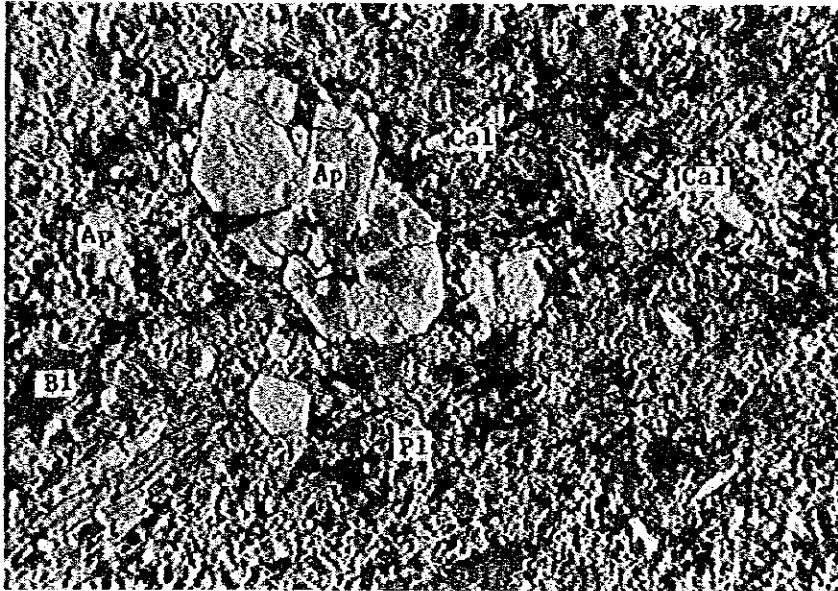
(58) GN-94



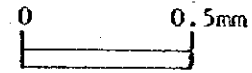
crossed nicols



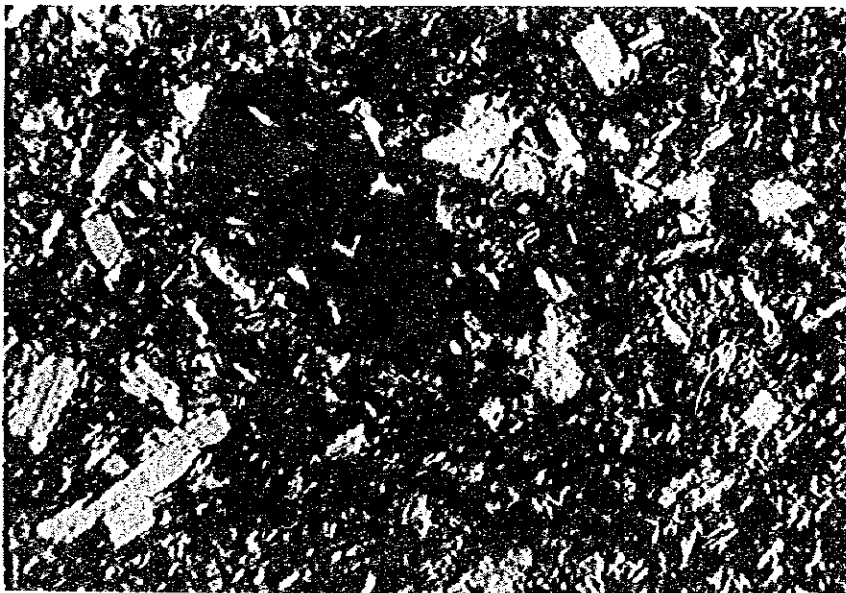
(59) GN-116A



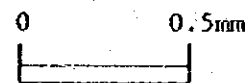
open nicol



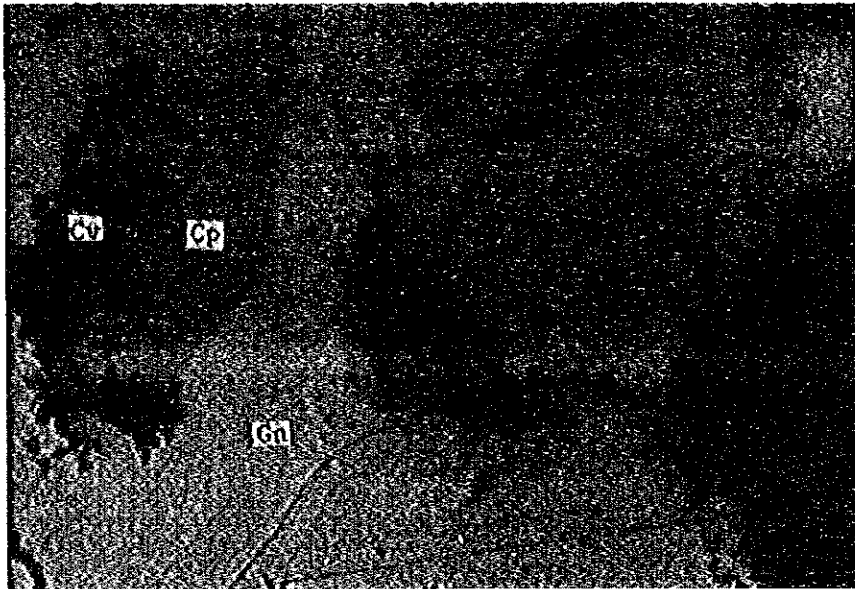
(60) GN-116A



crossed nicols



(61) MR-21

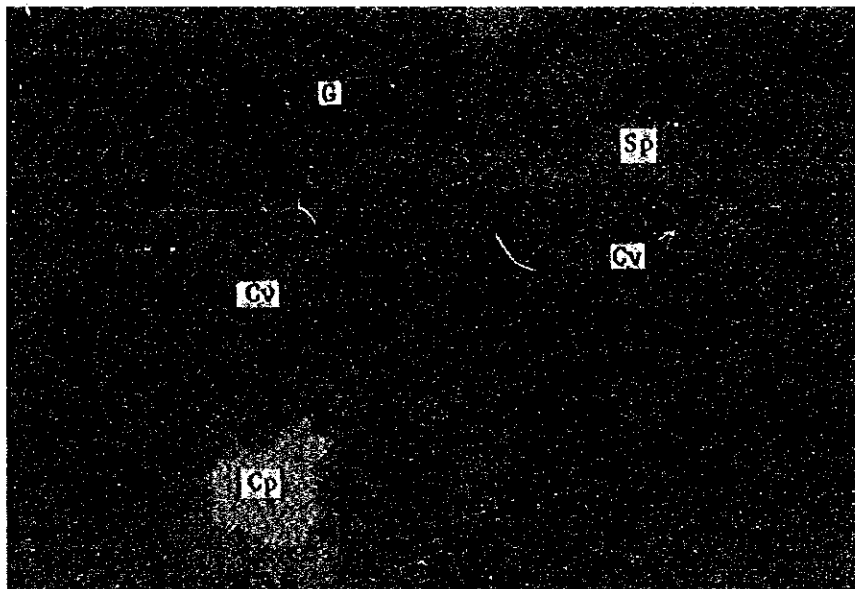


open nicol

0 0.2mm

A horizontal scale bar with a vertical tick mark at the left end labeled '0' and another at the right end labeled '0.2mm'.

(62) MR-26

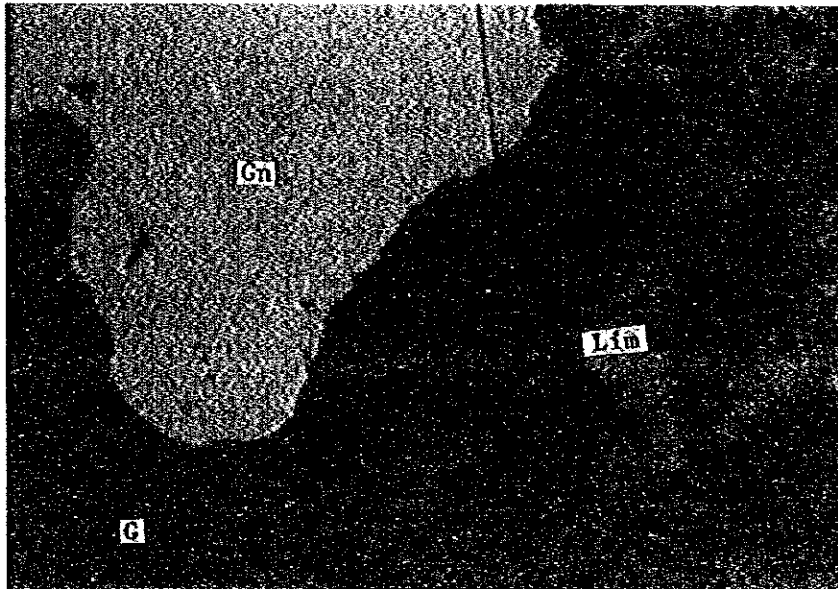


open nicol

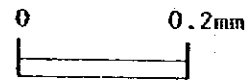
0 0.05mm

A horizontal scale bar with a vertical tick mark at the left end labeled '0' and another at the right end labeled '0.05mm'.

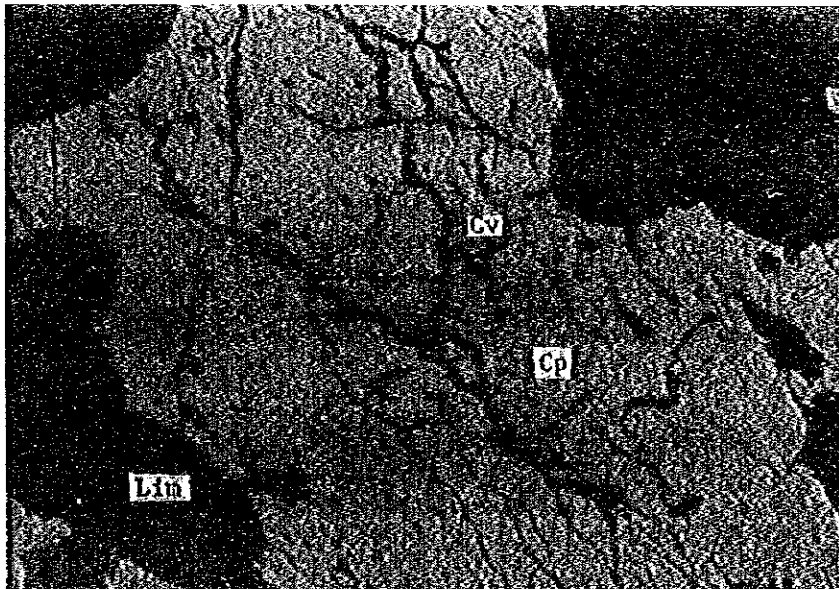
(63) GK-8



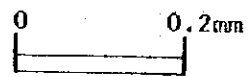
open nicol



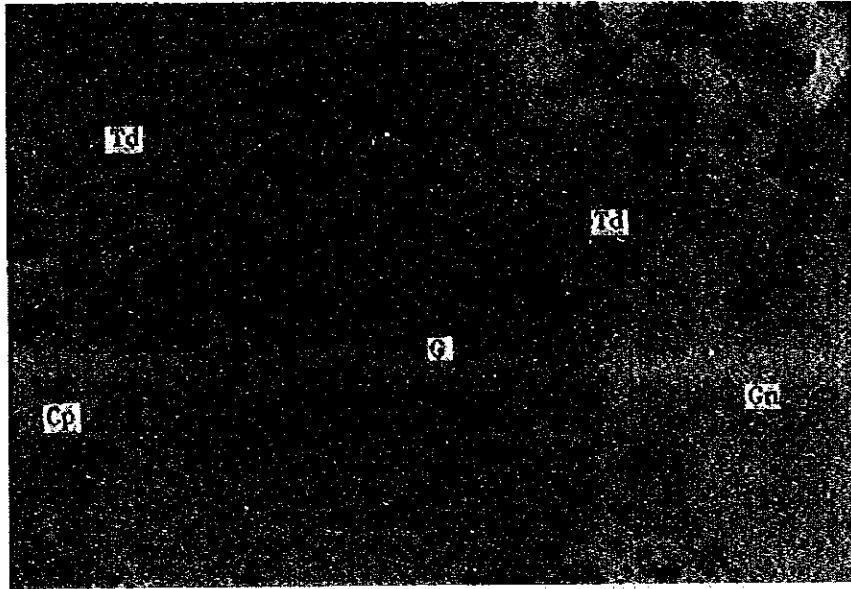
(64) GK-120



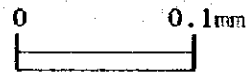
open nicol



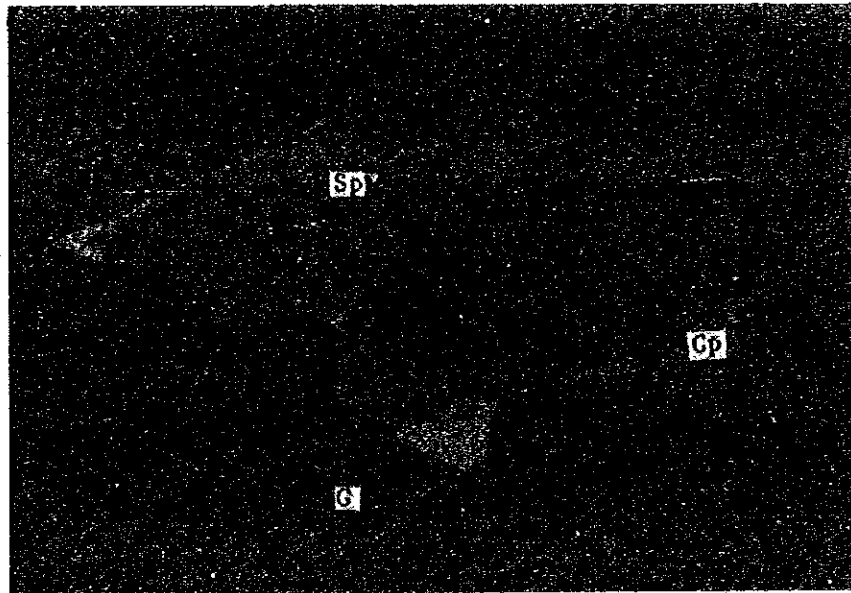
(65) GN-131



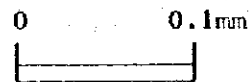
open nicol



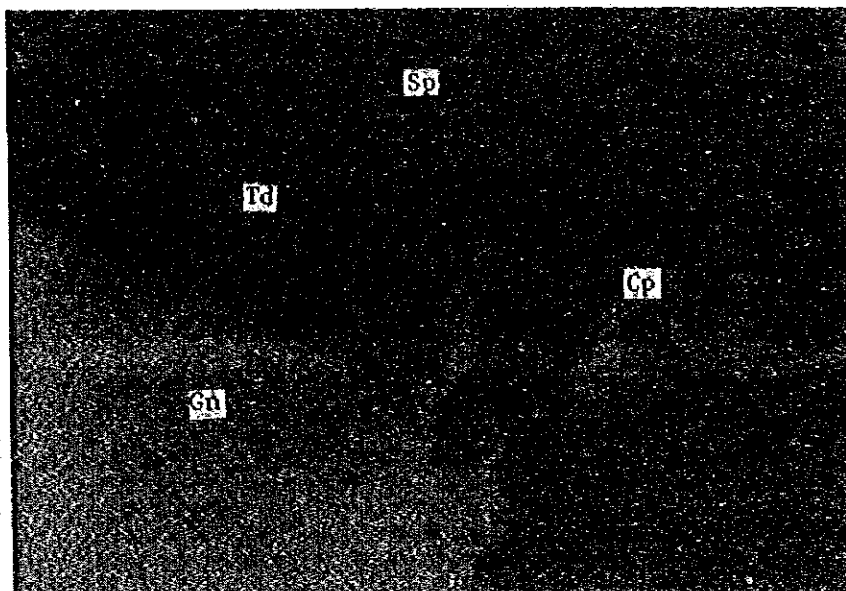
(66) GN-131



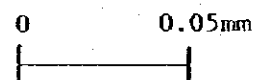
open nicol



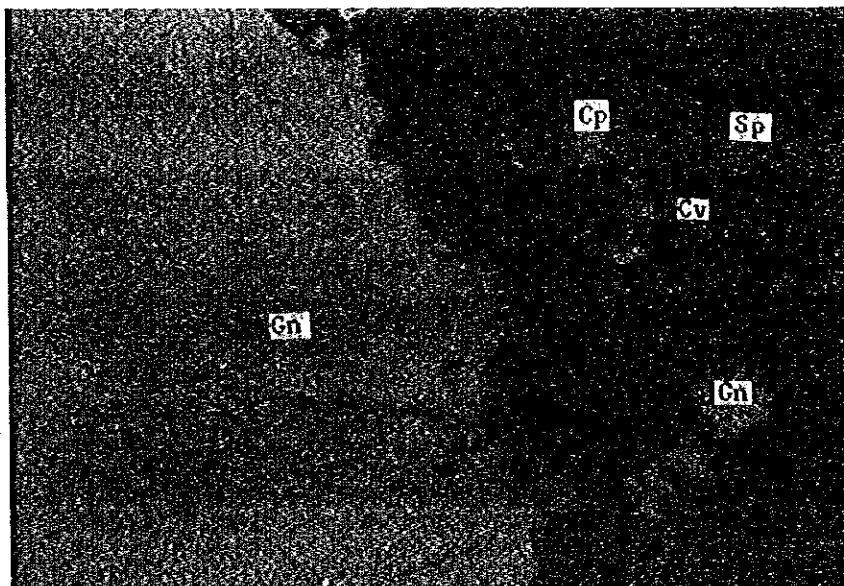
(67) GN-131



open nicol

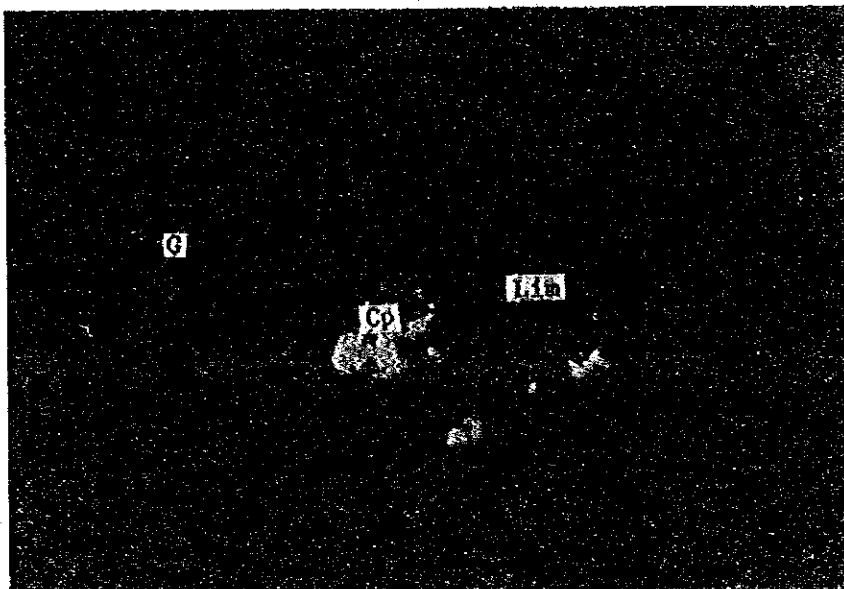


(68) MW-1



open nicol

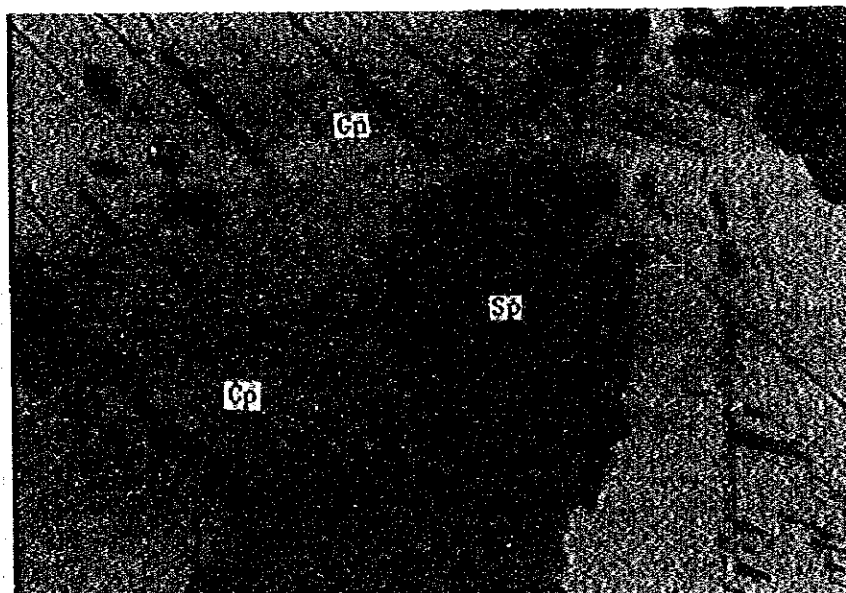
(69) GN-156



open nicol

0 0.1mm

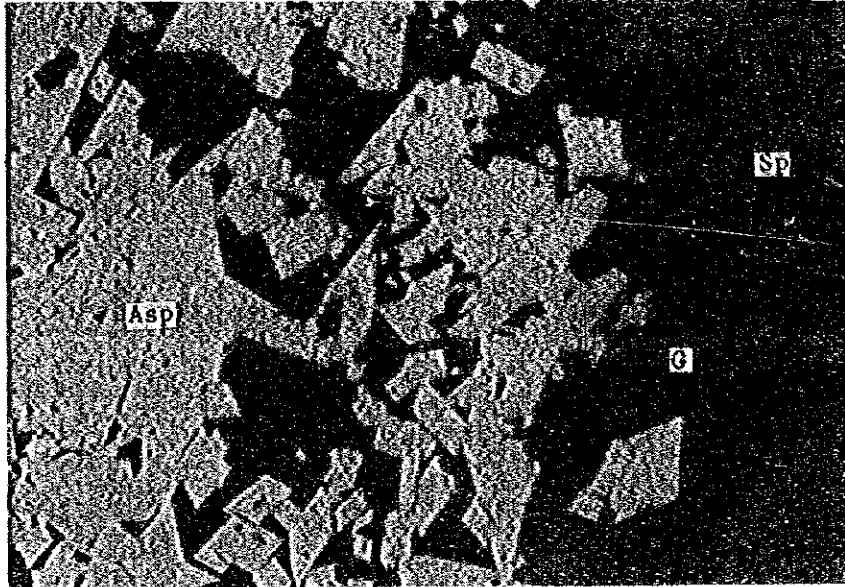
(70) GN-157



open nicol

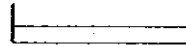
0 0.2mm

(71) GN-167

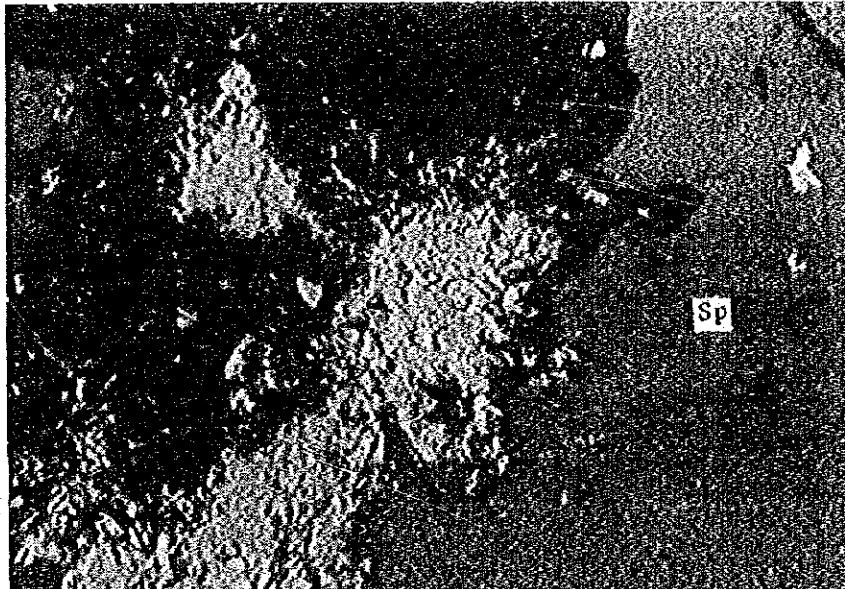


open nicol

0 0.1mm

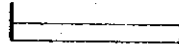


(72) GN-167

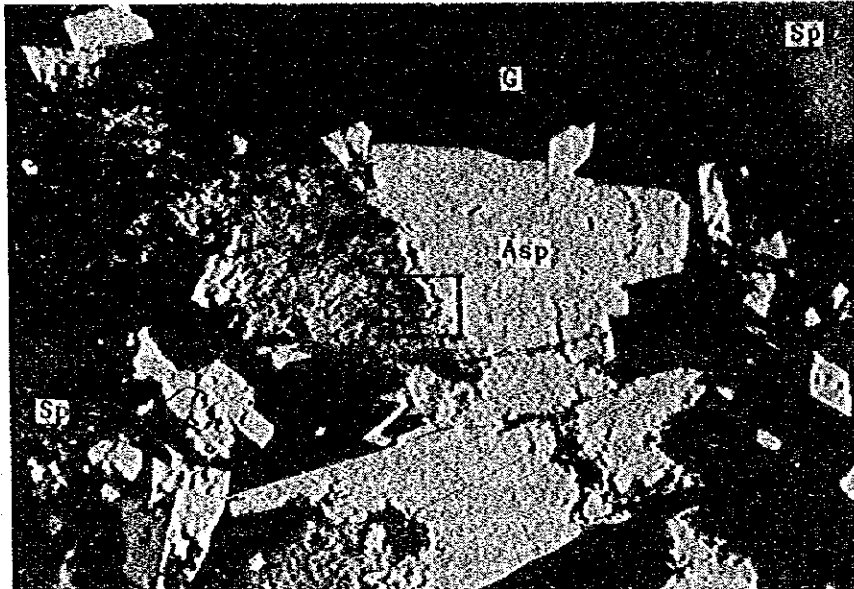


open nicol

0 0.05mm

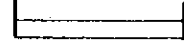


(73) GN-167

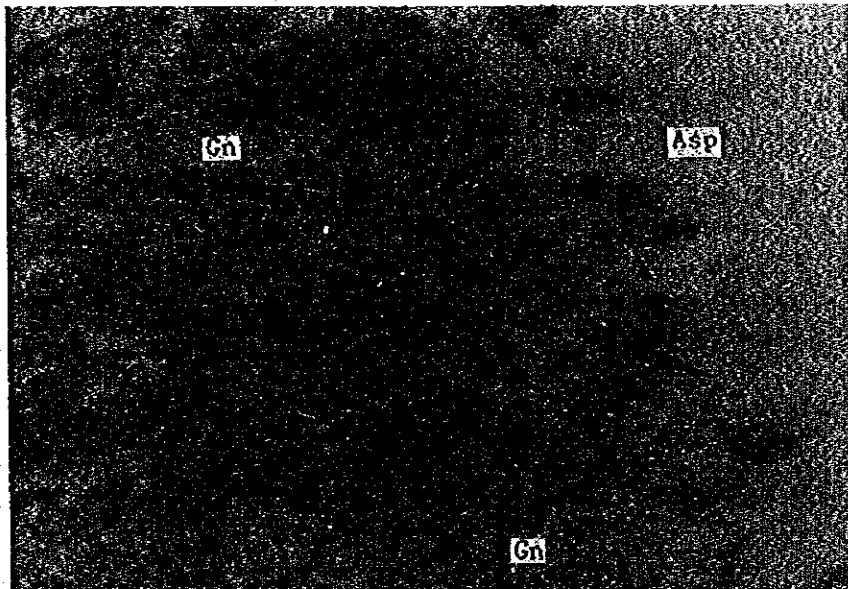


open nicol

0 0.2mm

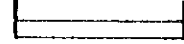


(74) GN-167

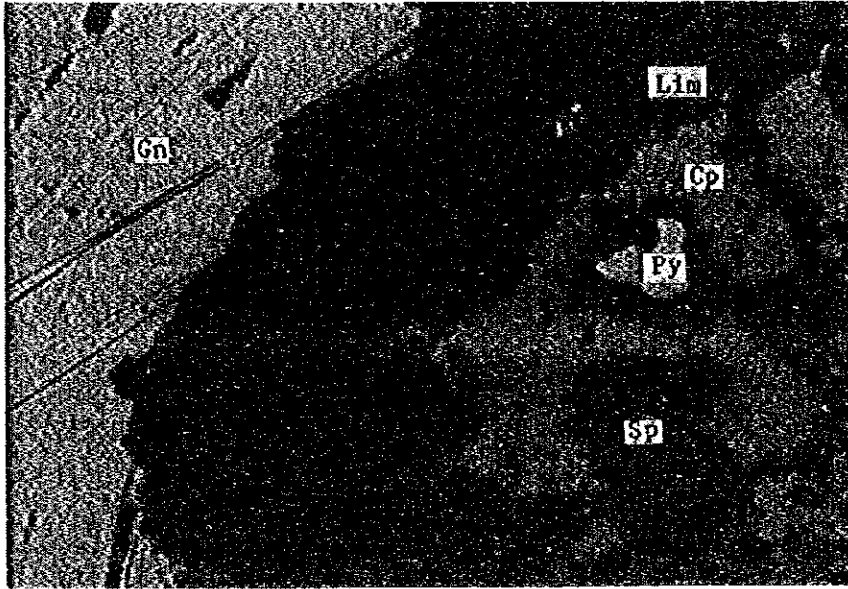


open nicol
Enlarged above

0 0.02mm

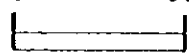


(75) MW-1

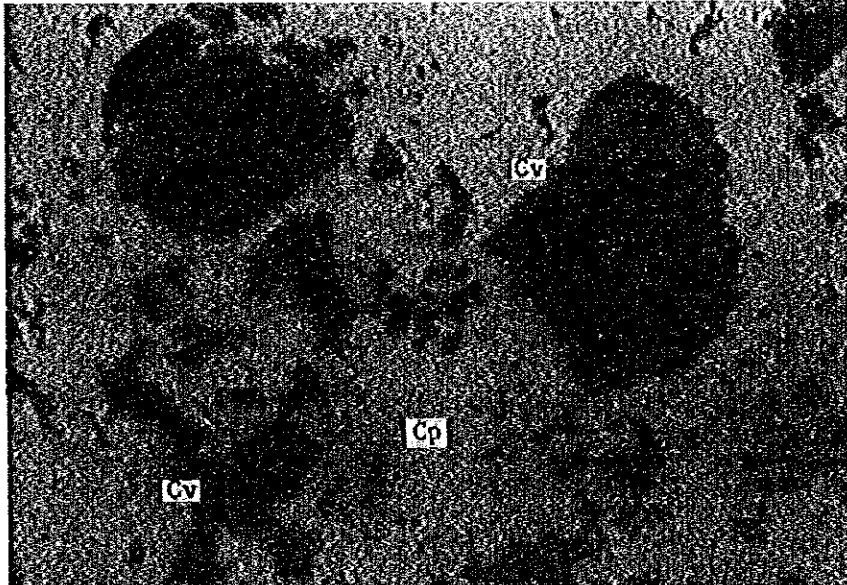


open nicol

0 0.2mm


A horizontal scale bar with a vertical tick at the left end labeled '0' and a vertical tick at the right end labeled '0.2mm'.

(76) MW-5

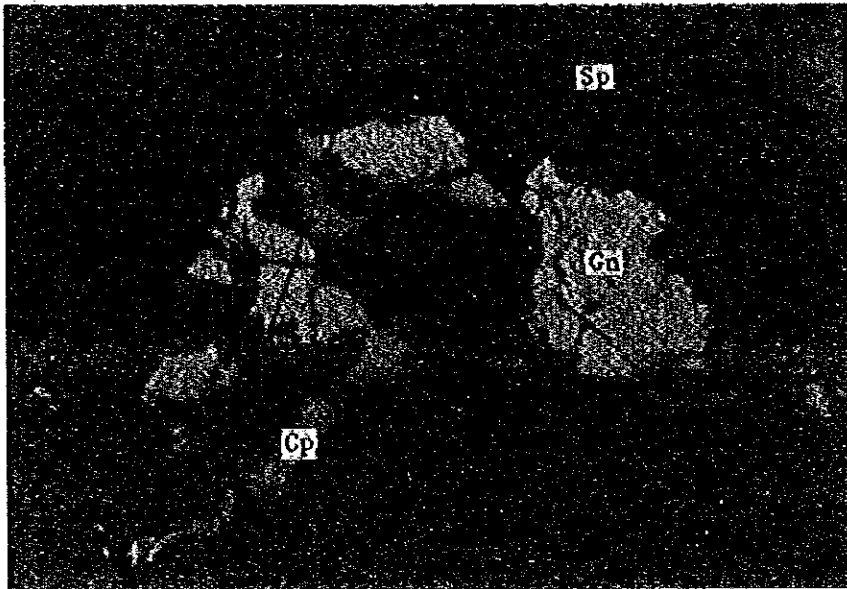


open nicol

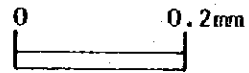
0 0.05mm

A horizontal scale bar with a vertical tick at the left end labeled '0' and a vertical tick at the right end labeled '0.05mm'.

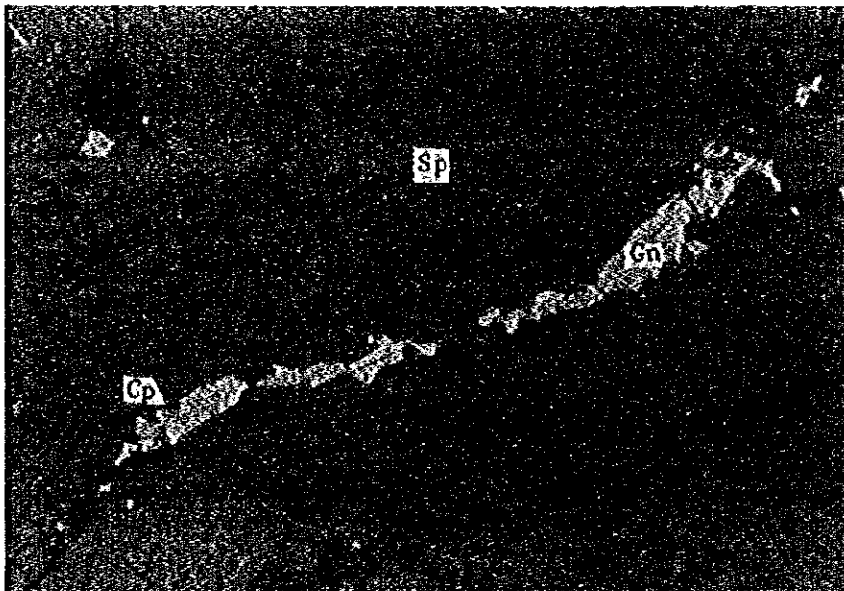
(77) GK-72



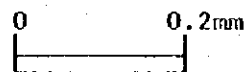
open nicol



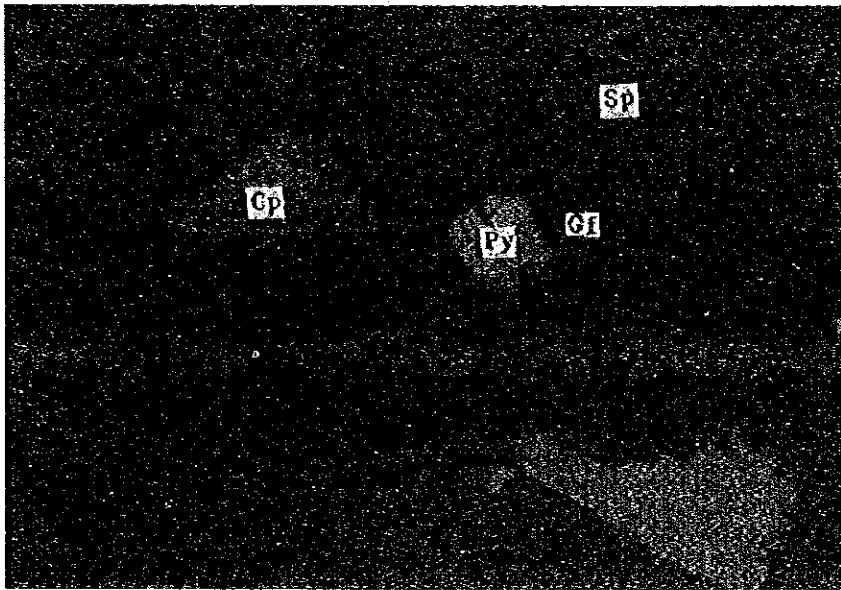
(78) GK-90



open nicol

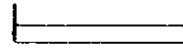


(79) GK-90

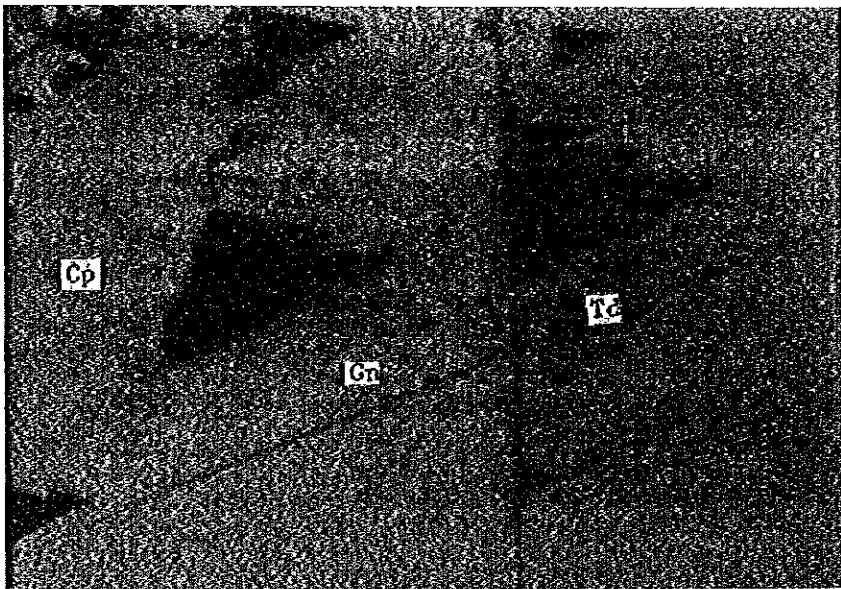


open nicol

0 0.05mm

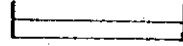


(80) GK-90

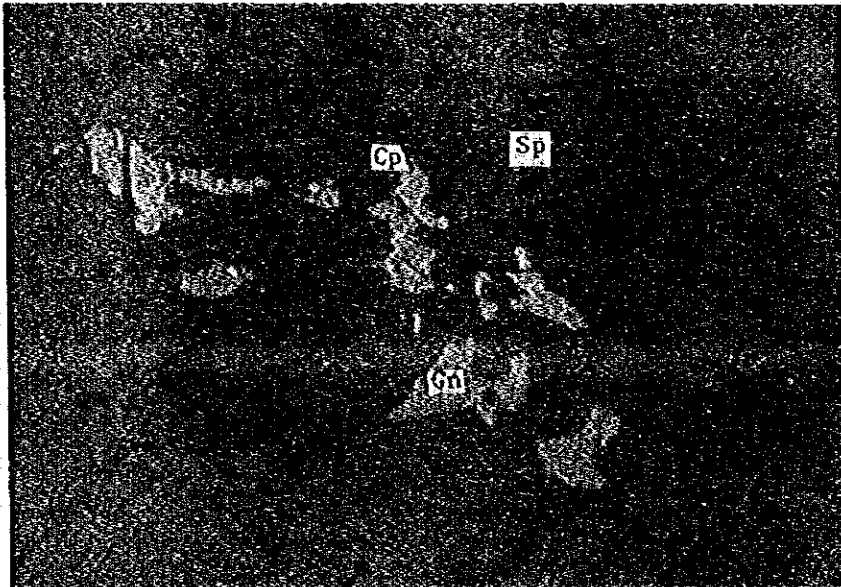


open nicol

0 0.05mm



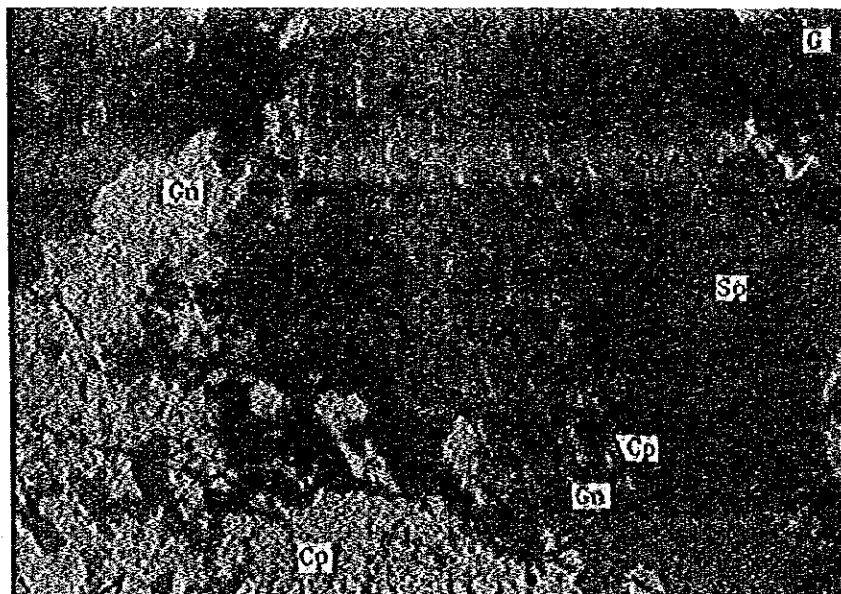
(81) GK-90



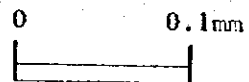
open nicol



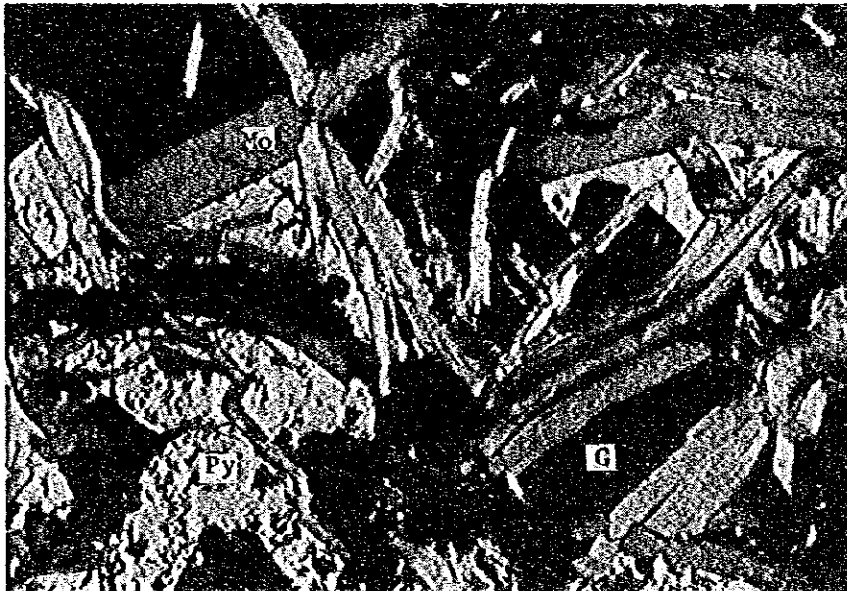
(82) GN-52



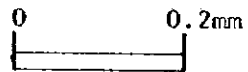
open nicol



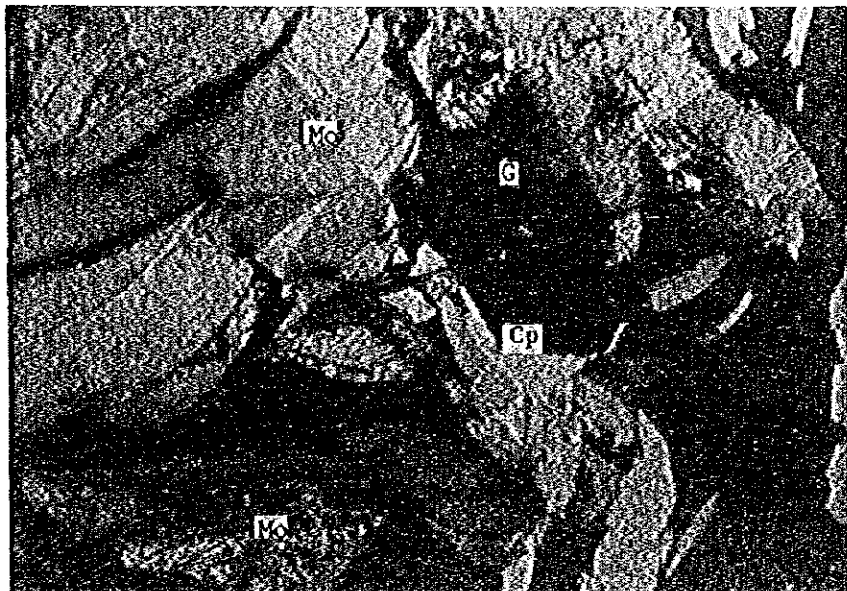
(83) GN-73



open nicol



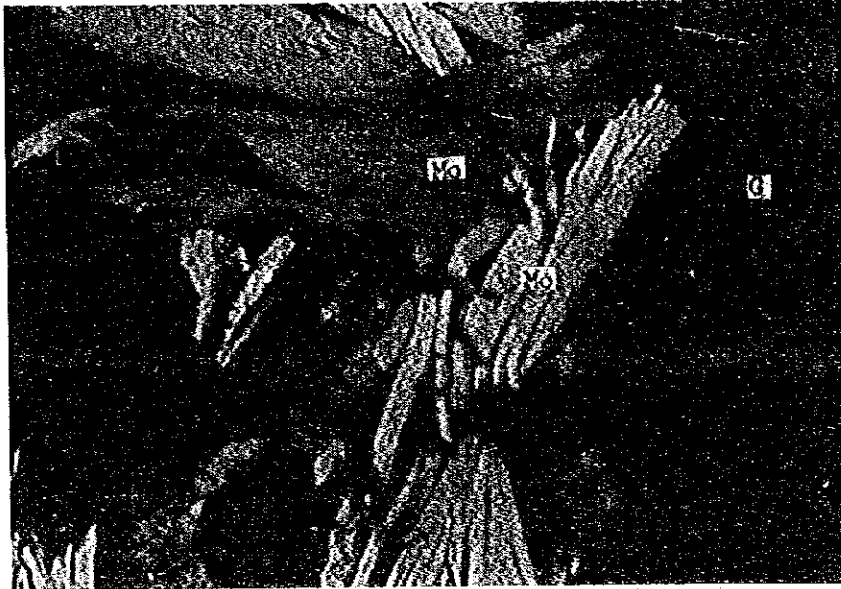
(84) GN-76



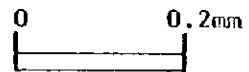
open nicol



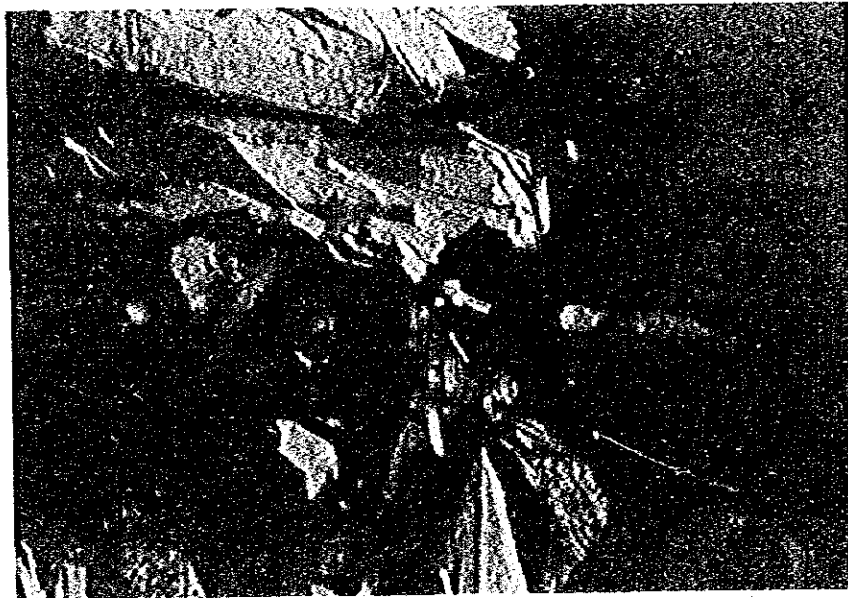
(85) GH-4



crossed nicols



(86) GH-4



open nicol



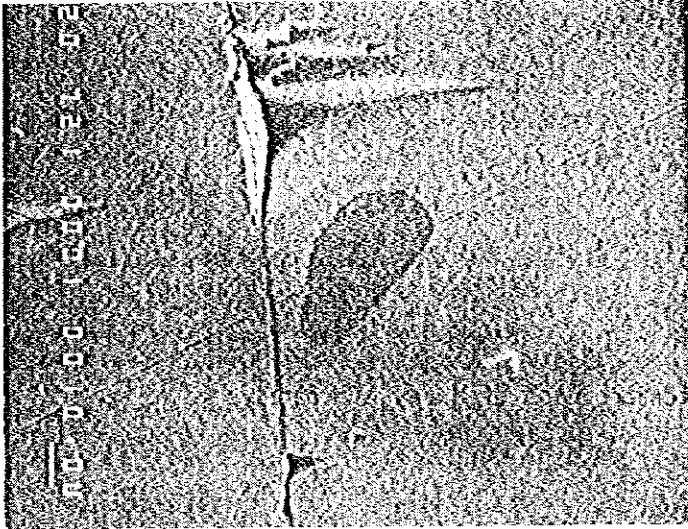
(10)
...
...
...

Table 10 Photomicrograph of X-ray Microanalysis

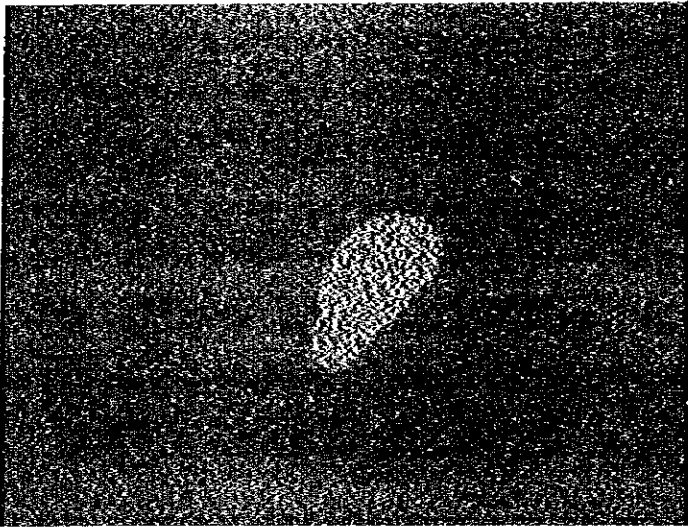
...
...
...
...

...
...

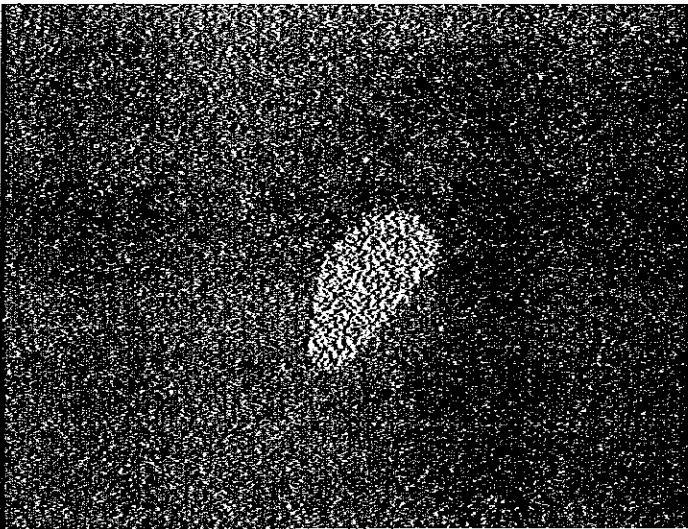
(1)



Absorbed electron image
Freibergite(center)is
enclosed in galena crystal.



Ag X-ray image

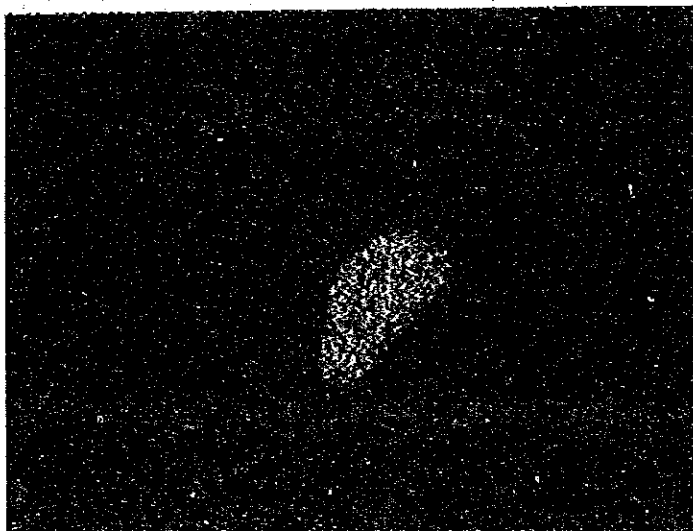


Cu X-ray image

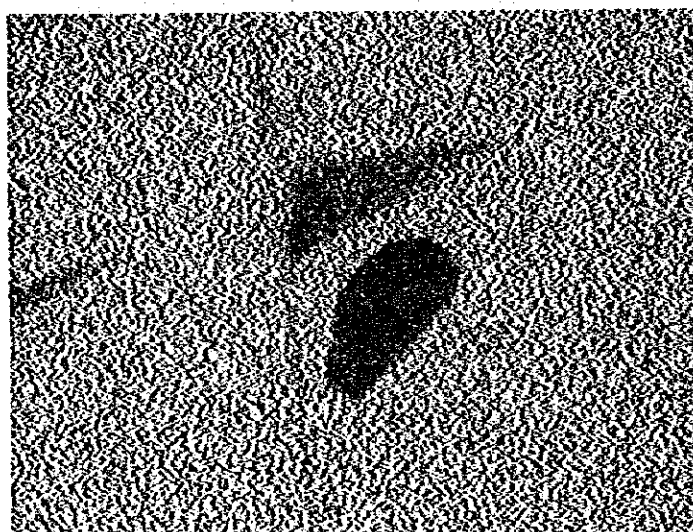
Sample No. : GK-90
Locality : Erdouz
Accel. volt. : 20 KV
Absorb. elect. : 0.04 μ A

0 0.05mm

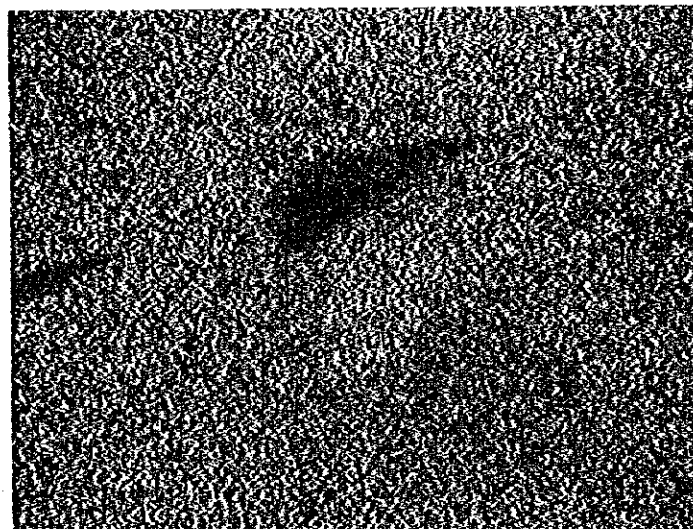
(2)



Sb X-ray image

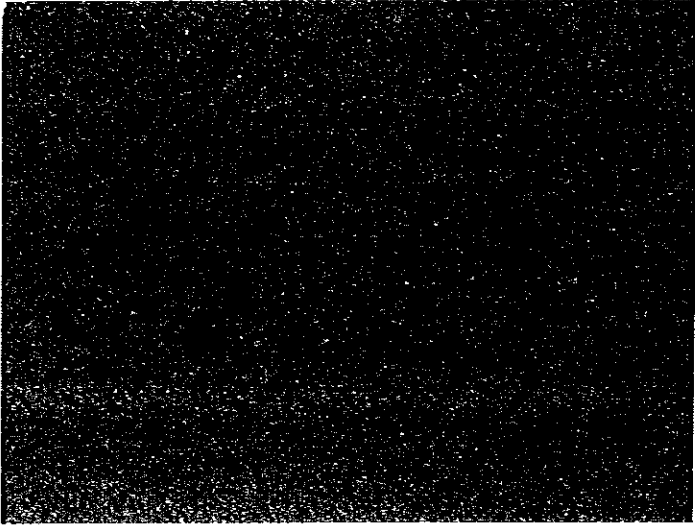


Pb X-ray image



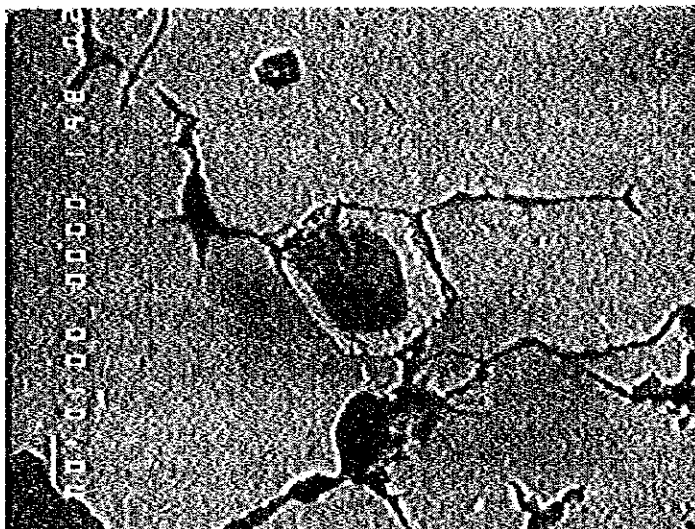
S X-ray image

(3)

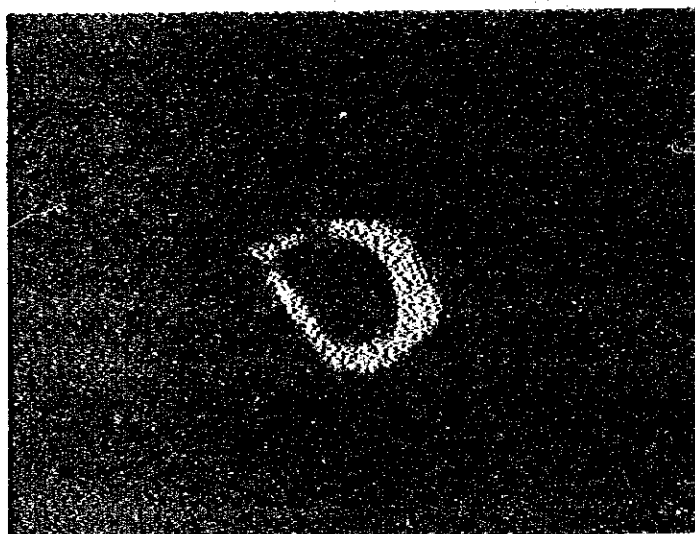


As X-ray image

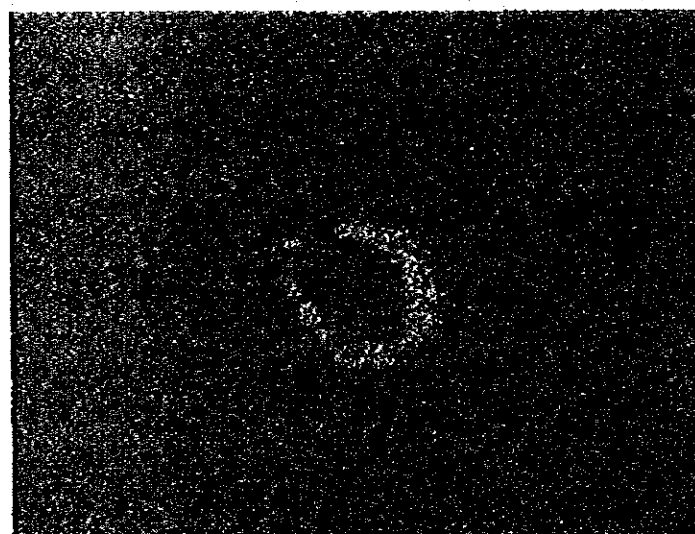
(1)



Absorbed electron image
Gersdorffite(center)is
observed surrounding pyrite
core in sphalerite crystal.



Ni X-ray image



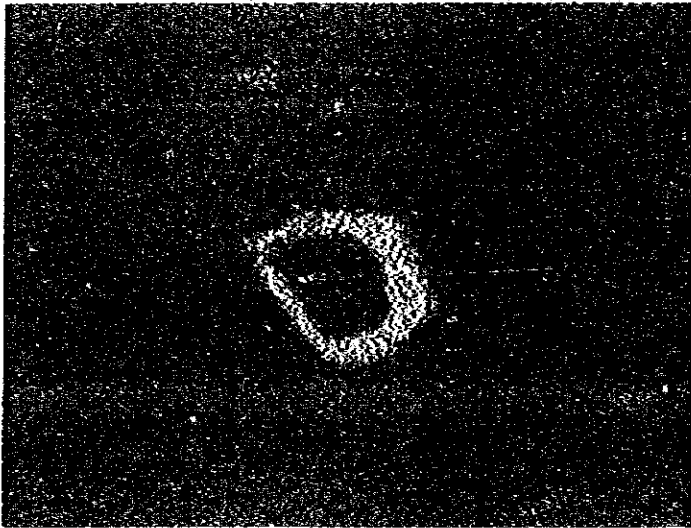
Co X-ray image

Sample No. : GK-90
Locality : Erdouz
Accel. volt. : 20 KV
Absorb. elect. : 0.04 μ A

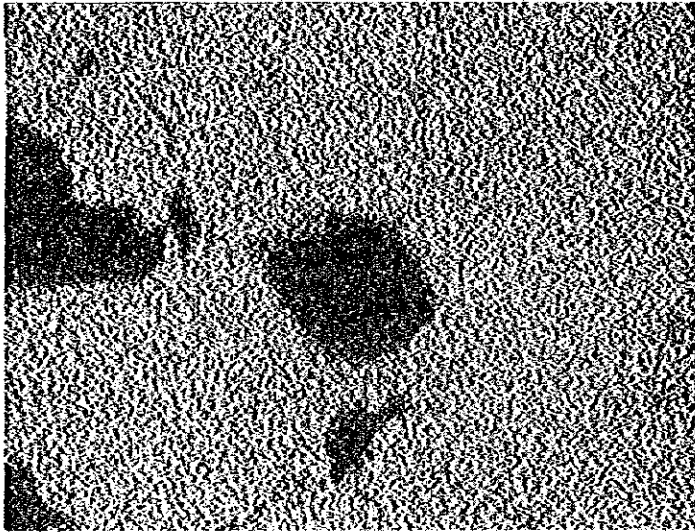
0 0.05mm

A horizontal scale bar with a vertical tick mark at the left end labeled '0' and another at the right end labeled '0.05mm'.

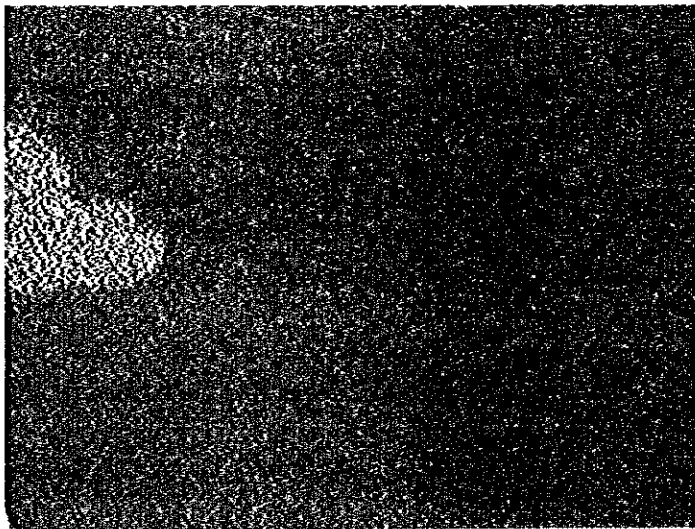
(2)



As X-ray image

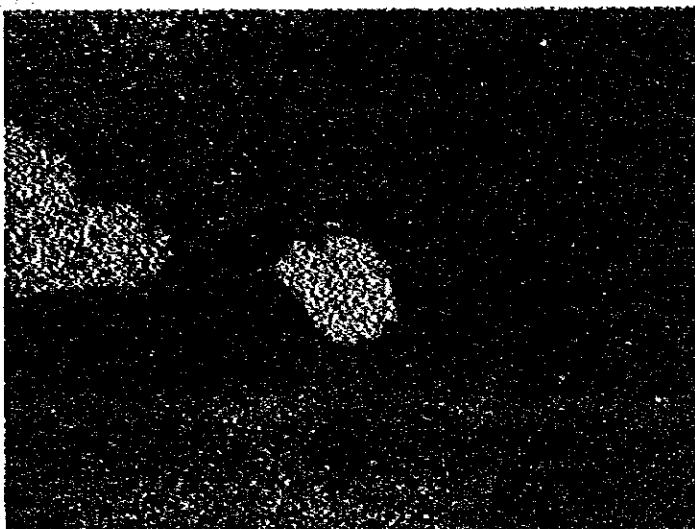


Zn X-ray image

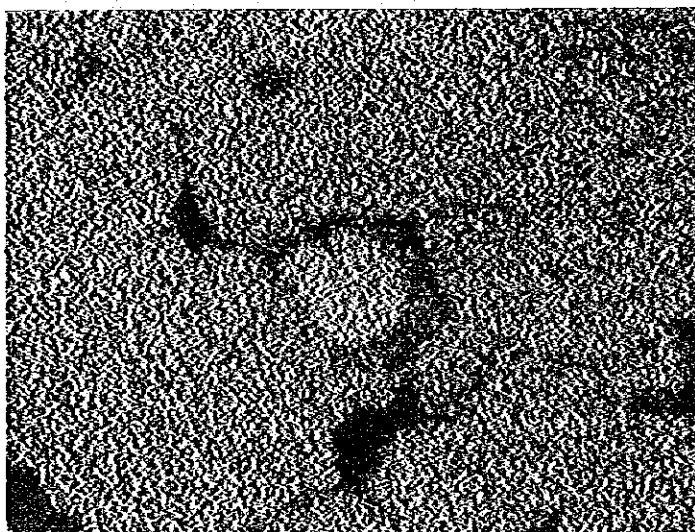


Cu X-ray image

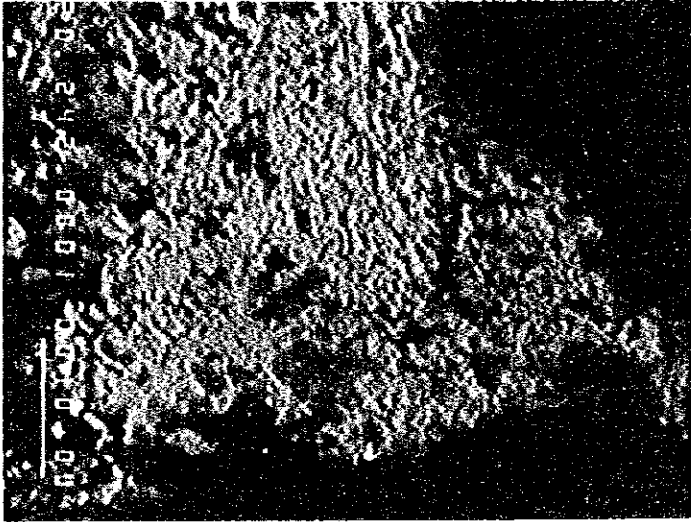
(3)



Fe X-ray image

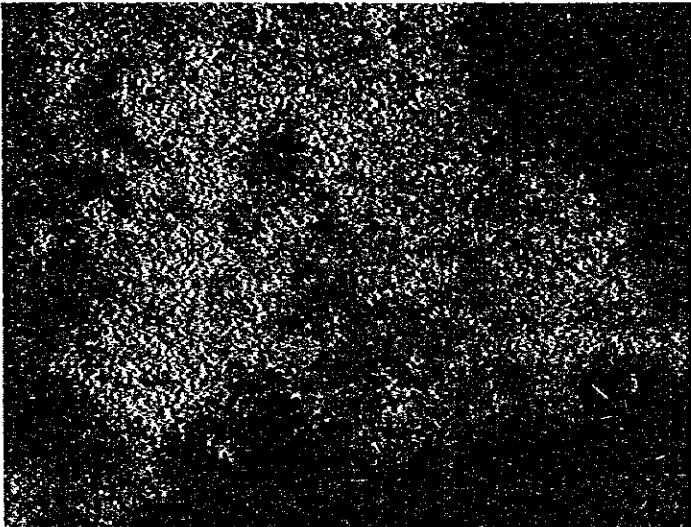


S X-ray image

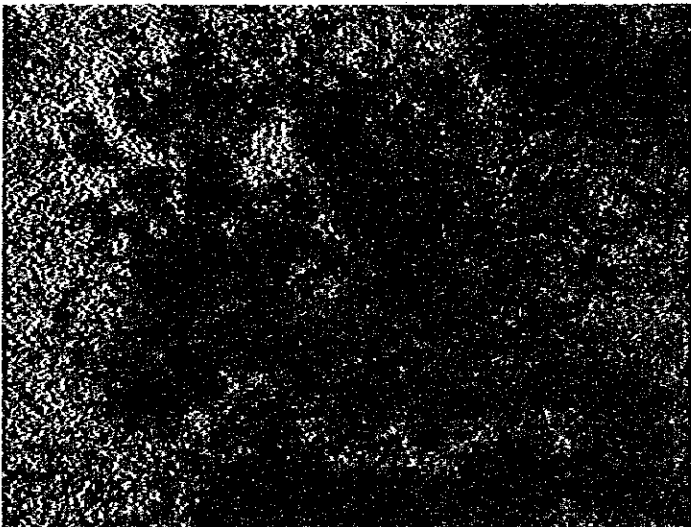


(1)

Absorbed electron image
Mixture of arsenopyrite
and galena, the former is
partly replaced by the latter.



Pb X-ray image



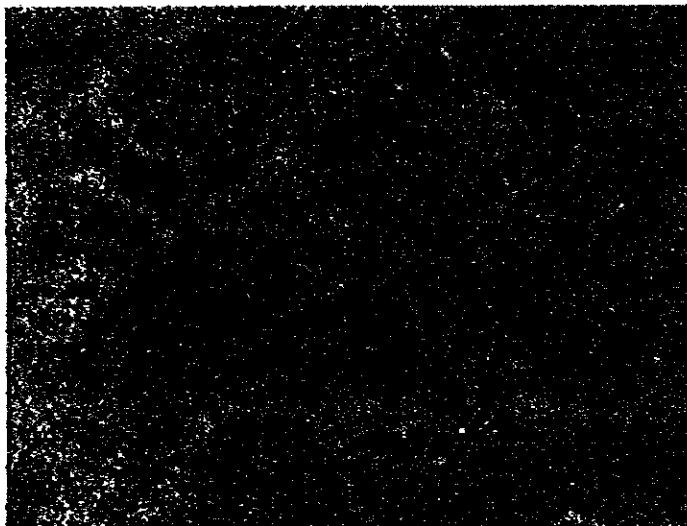
As X-ray image

Sample No. : GN-167
Locality : Aghrass mine
Accel. volt. : 20 KV
Absorb. elect. : 0.04 μ A

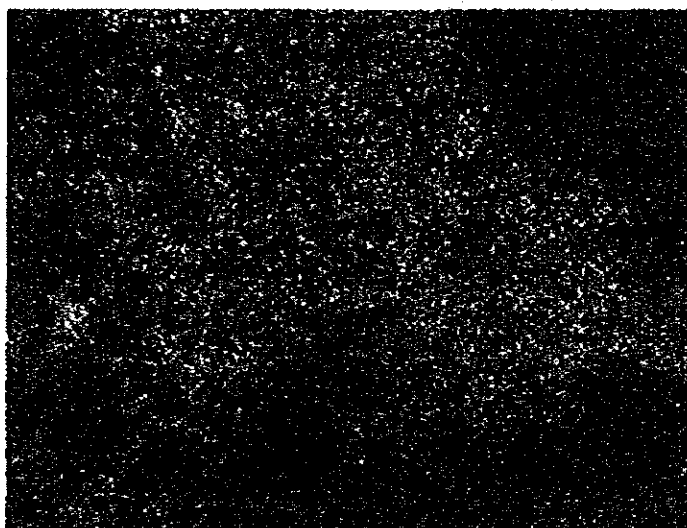
0 0.02mm

A horizontal scale bar with a vertical tick mark at the left end labeled '0' and another at the right end labeled '0.02mm'.

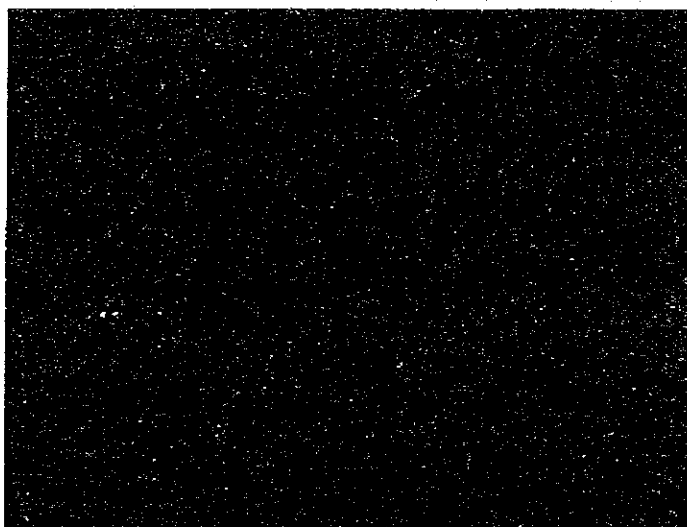
(2)



Fe X-ray image

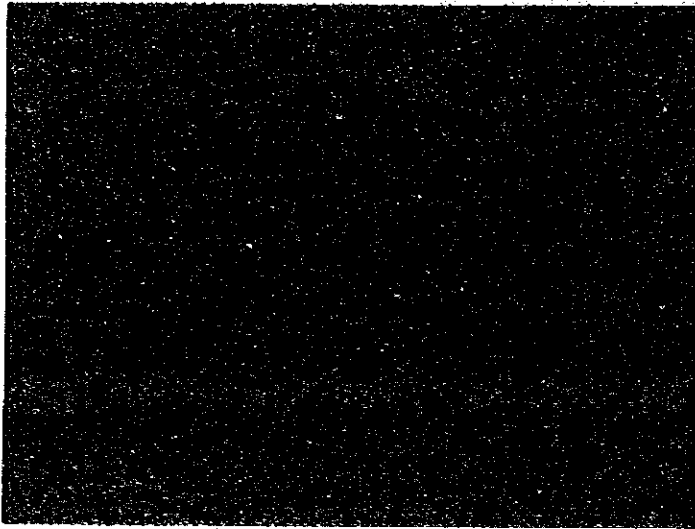


S X-ray image



Co X-ray image

(3)



Ni X-ray image

Table II-1 Results of Cu, Pb, Zn and Ag Chemical Analysis in
Northern Area and Erdouz Sector

(1)

No.	Location	Sample No.	Width (cm)	Grade				Remarks
				Cu(%)	Pb(%)	Zn(%)	Ag(g/t)	
1	Erdouz sector	MR - 4	10	0.02	0.09	0.45	4	
2	"	MR - 5	10	0.03	1.06	4.20	15	
3	"	MR - 6	30	0.20	3.09	0.20	21	
4	"	MR - 8	100	0.03	3.80	13.00	20	
5	"	MR - 9	150	1.20	0.54	0.40	90	
6	"	MR - 10	20	0.03	4.30	0.56	16	
7	"	MR - 11	20	0.10	0.25	1.68	50	
8	"	MR - 14	90	0.13	0.03	9.40	6	
9	"	MR - 15	5	0.03	0.14	20.02	14	
10	"	MR - 16	10	0.17	35.66	4.80	660	
11	"	MR - 17	10	0.46	0.41	11.12	27	
12	"	GK - 73	400	0.23	0.16	10.00	220	
13	"	GK - 74	800	0.02	0.04	0.17	3	
14	"	GK - 90	20	0.31	7.40	40.03	140	
15	"	GK - 91	50	0.12	4.80	5.80	66	
16	"	GK - 92	100	0.04	1.56	9.20	9	
17	"	GK - 93	60	0.08	18.00	7.40	430	
18	Targa mine	GK - 127	10	0.05	0.11	0.11	3	
19	Erdouz sector	GN - 55	400	0.01	0.09	0.04	4	
20	"	GN - 69		0.01	2.24	0.09	12	Stock pile
21	Imigdal NW	GN - 131		0.23	33.70	3.90	1060	"
22	Aghrass mine	GN - 167		0.08	6.40	23.83	155	"
23	Tilfitine tunnel	MW - 1	30	2.05	13.00	7.80	540	
24	"	MW - 2	25	0.65	0.48	48.29	135	
25	"	MW - 3	3	0.04	0.08	0.12	11	
26	"	MW - 4	35	0.34	0.08	0.14	25	
27	Areg tunnel	MW - 5	30	1.65	4.20	0.20	440	
28	"	MW - 6	35	0.28	0.54	0.17	74	
29	"	MW - 7	40	0.70	0.31	0.57	38	
30	"	MW - 8	20	0.43	1.08	8.40	330	
31	"	MW - 9	30	1.20	0.80	0.43	125	

(2)

No.	Location	Sample No.	Width (cm)	Grade				Remarks
				Cu(%)	Pb(%)	Zn(%)	Ag(g/t)	
1	Mineral showing Ait Bourd	MR - 1	120	<0.01	3.10	0.06	13	*
2	"	MR - 2	580	0.01	tr	<0.01	21	*
3	"	MR - 3	5	0.20	0.20	0.07	50	*
4	Erdouz sector	MR - 7	5	0.30	8.40	0.25	150	*
5	Azegour sector	MR - 13	200	0.02	tr	0.01	7	*
6	Taurirt E	MR - 18	100	0.30	tr	0.01	10	*
7	Marigha E	MR - 19	5	2.50	0.01	0.01	3	*
8	Areg S	MR - 21	100	0.92	tr	0.01	20	*
9	Tifirt SW	MR - 22	50	0.10	tr	tr	2	*
10	"	MR - 23	100	0.01	0.03	1.00	10	*
11	Anebdour NE	MR - 24	10	0.15	0.30	0.20	15	*
12	"	MR - 25	10	0.50	0.02	0.05	10	*
13	"	MR - 26	50	1.05	4.40	2.15	100	*
14	Imi-n-Ouassif	MR - 27	300	tr	0.04	0.01	10	*
15	Anammer	MK - 1	10	0.01	0.15	0.70	20	*
16	Tifrouine	GK - 25	10	1.30	0.01	0.02	100	*
17	Erdouz sector	GK - 66	30	0.30	tr	0.01	2	*
18	Targa	GK - 125	15	0.04	tr	0.01	20	*
19	Assif Al Mal mine	GN - 155	50	0.07	0.20	0.02	30	*
20	Ameslane	H - 6	500	0.70	tr	0.01	1	*
21	"	H - 7	500	0.15	0.01	0.01	5	*

*: Data are contributed by B.R.P.M.

Table 11-2 Results of Cu, MoS₂ and W Chemical Analysis in Azegour Sector (1)

No.	Location	Sample No.	Width (cm)	Grade			Remarks
				Cu (%)	MoS ₂ (%)	W (ppm)	
1	Azegour sector	MR-12	60	<0.01	0.43	10	
2	"	MK-42	60	0.01	0.01	5	
3	"	" 44	100	0.04	tr	5	
4	"	" 45	120	0.10	0.01	38	
5	"	" 46	100	<0.01	tr	15	
6	"	" 47	50	<0.01	tr	7	
7	"	" 48	100	0.01	tr	2	
8	"	" 49	100	<0.01	tr	84	
9	"	" 51	60	<0.01	0.01	69	
10	"	" 52	50	0.02	tr	3	
11	"	" 53	70	0.06	tr	3	
12	"	" 54	100	<0.01	0.01	9	
13	"	" 55	30	0.01	tr	3	
14	"	" 56	80	<0.01	tr	3	
15	"	" 57	100	0.01	tr	42	
16	"	" 58	60	0.01	tr	<2	
17	"	" 59	100	0.02	tr	<2	
18	"	" 61	40	<0.01	tr	<2	
19	"	" 62	100	0.21	0.05	14	
20	"	" 63	80	<0.01	0.01	2	
21	"	" 64	60	0.02	0.01	<2	
22	"	" 65	100	<0.01	tr	7	
23	"	" 67	40	<0.01	tr	<2	
24	"	" 68	50	0.12	0.29	102	
25	"	" 69	120	0.02	tr	4	
26	"	MNA62	50	<0.01	0.09	8	
27	"	GN 73		<0.01	0.13	<2	stock pile
28	"	MN 74	10	0.02	0.24	4	
29	"	GN 76		0.01	2.82	4	stock pile
30	"	MN106	30	0.01	0.35	19	
31	"	" 107		0.01	0.37	5	stock pile

(2)

No.	Location	Sample No.	Width (cm)	Grade			Remarks
				Cu (%)	MoS ₂ (%)	W (ppm)	
1	Azegour sector	MN 81	180	tr	tr	-	*
2	"	" 82	200	0.02	tr	-	*
3	"	" 83	200	0.01	0.03	-	*

*: Data are contributed by B.R.P.M.

Table 12-1 Results of Cu, Pb, Zn, Mo and W Geochemical Analysis of
Stream Sediment Samples in Northern Area

(1)

No.	Sample No.	Grade (ppm)					Remarks
		Cu	Pb	Zn	Mo	W	
1	KR - 1	95	340	2300	<5	<5	
2	KR - 2	125	430	3200	<5	<5	
3	KR - 3	60	160	920	<5	<5	
4	KR - 4	95	350	2200	<5	<5	
5	KR - 5	90	350	2400	<5	<5	
6	KR - 6	45	110	420	<5	48	
7	KR - 7	50	70	160	<5	<5	
8	KR - 8	35	70	150	<5	<5	
9	KR - 9	85	430	2750	<5	<5	
10	KR - 10	45	190	480	<5	<5	
11	KR - 11	130	1100	3000	<5	<5	
12	KR - 12	190	100	720	<5	<5	
13	KR - 13	130	830	3700	<5	<5	
14	KR - 14	100	810	2400	<5	<5	
15	KR - 15	110	130	650	<5	<5	
16	KR - 16	95	520	2500	<5	<5	
17	KR - 17	85	70	400	<5	<5	
18	KR - 18	80	350	2100	<5	<5	
19	KR - 19	85	100	380	<5	<5	
20	KR - 20	60	620	1300	<5	<5	
21	KR - 21	50	100	220	<5	<5	
22	KR - 22	75	240	650	<5	<5	
23	KR - 23	75	1200	2300	<5	<5	
24	KR - 24	35	110	230	<5	<5	
25	KR - 25	65	370	690	<5	<5	
26	KR - 26	65	490	1100	<5	<5	
27	KR - 27	25	30	110	<5	20	
28	KR - 28	15	20	50	<5	140	
29	KR - 29	10	20	60	<5	420	
30	KR - 30	10	20	60	<5	480	
31	KR - 31	25	40	100	<5	20	
32	KR - 32	30	80	250	<5	80	

(2)

No.	Sample No.	Grade (ppm)					Remarks
		Cu	Pb	Zn	Mo	W	
33	KR - 33	10	30	40	<5	520	
34	KR - 34	30	90	340	<5	<5	
35	KR - 35	30	50	180	<5	180	
36	KR - 36	10	60	90	<5	480	
37	KR - 37	25	50	120	<5	550	
38	KR - 38	30	100	470	<5	<5	
39	KR - 39	15	30	120	<5	450	
40	KR - 40	25	60	250	<5	152	
41	KR - 41	15	50	370	<5	240	
42	KR - 42	25	140	400	<5	152	
43	KR - 43	25	80	360	<5	40	
44	KR - 44	25	80	250	<5	<5	
45	KR - 45	30	80	270	<5	48	
46	KR - 46	20	200	300	<1	<4	
47	KR - 47	20	50	150	<1	<4	
48	KR - 48	3000	30	50	30	<4	
49	KR - 49	1500	15	50	20	<4	
50	KR - 50	20	15	100	<1	<4	
51	KR - 51	20	15	100	<1	<4	
52	KR - 52	20	15	100	<1	<4	
53	KR - 53	30	50	100	<1	8	
54	KR - 54	50	2000	700	<1	4	
55	KR - 55	20	50	150	<1	4	
56	KR - 56	70	100	200	<1	4	
57	KR - 57	100	70	150	<1	4	
58	KR - 58	3000	50	70	50	4	
59	KR - 59	20	15	50	2	4	
60	KR - 60	2000	30	50	30	4	
61	KR - 61	20	50	100	1	4	
62	KR - 62	30	70	100	<1	4	
63	KR - 63	30	50	150	<1	4	
64	KR - 64	50	50	100	<1	4	
65	KR - 65	50	50	150	<1	4	
66	KR - 66	50	20	70	<1	4	

No.	Sample No.	Grade (ppm)					Remarks
		Cu	Pb	Zn	Mo	W	
67	KR - 67	20	20	100	<1	4	
68	KR - 68	30	150	150	1	4	
69	KR - 69	20	200	200	1	4	
70	KR - 70	30	20	70	2	4	
71	KR - 71	10	20	50	2	4	
72	KR - 72	50	30	70	3	4	
73	KR - 73	30	7	50	1	4	
74	KR - 74	15	10	50	1	4	
75	KR - 75	20	10	30	1	4	
76	KR - 76	20	7	50	1	4	
77	KR - 77	20	7	50	1	4	
78	KR - 78	20	10	50	1	4	
79	KR - 79	10	10	50	1	4	
80	KR - 80	15	15	30	3	4	
81	KR - 81	20	10	50	<1	4	
82	KR - 82	20	15	70	1	4	
83	KR - 83	15	7	50	<1	4	
84	KR - 84	30	10	50	<1	4	
85	KR - 85	20	10	100	<1	4	
86	KR - 86	20	15	100	<1	4	
87	KR - 87	30	20	100	<1	4	
88	KR - 88	30	15	100	<1	4	
89	KR - 89	20	15	70	<1	4	
90	KR - 90	20	15	70	<1	4	
91	KR - 91	20	20	150	<1	4	
92	KR - 92	20	15	100	<1	4	
93	KR - 93	20	15	100	<1	4	
94	KR - 94	30	20	50	1	4	
95	KR - 95	20	10	50	1	4	
96	KR - 96	20	20	70	2	4	
97	KR - 97	30	10	100	<1	4	
98	KR - 98	20	10	50	1	4	
99	KR - 99	30	20	100	1	4	
100	KR - 100	30	15	70	1	4	

(4)

No.	Sample No.	Grade (ppm)					Remarks
		Cu	Pb	Zn	Mo	W	
101	KR - 101	30	30	100	2	4	
102	KR - 102	20	15	150	1	4	
103	KR - 103	30	15	100	1	4	
104	KR - 104	30	15	70	2	4	
105	KR - 105	70	200	150	1	4	
106	KR - 106	50	150	100	2	4	
107	KR - 107	30	15	70	1	4	
108	KR - 108	50	150	100	1	4	
109	KR - 109	30	15	70	1	4	
110	KR - 110	50	10	30	3	4	
111	KR - 111	20	20	20	3	4	
112	KR - 112	20	70	100	3	4	
113	KR - 113	15	10	50	1	4	
114	KR - 114	20	200	70	5	9	
115	KR - 115	15	15	50	2	4	
116	KR - 116	30	20	70	3	4	
117	KR - 117	20	20	70	2	4	
118	KR - 118	15	70	100	2	4	
119	KR - 119	30	15	100	2	4	
120	KR - 120	20	50	70	1	<2	
121	KR - 121	15	150	70	1	4	
122	KR - 122	30	200	500	3	<2	
123	KR - 123	30	500	200	1	<2	
124	KR - 124	50	200	300	3	2	
125	KR - 125	50	150	150	<1	5	
126	KR - 126	20	50	100	<1	2	
127	KR - 127	30	100	150	1	4	
128	KR - 128	50	200	100	1	3	
129	KR - 129	15	50	100	<1	6	
130	KR - 130	30	100	300	2	24	
131	KR - 131	30	100	200	<1	<2	
132	KR - 132	30	50	200	<1	2	
133	KR - 133	30	150	150	<1	5	
134	KK - 1	20	10	50	<5	<5	