

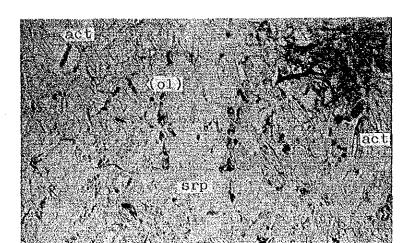
Only lower polar



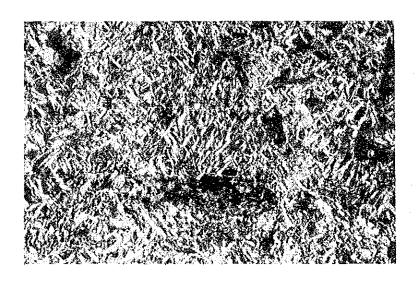
Crossed polars

10mm

Sample No. : S-29
Location : B08-09 ("b" Area)
Rock name : harzburgite

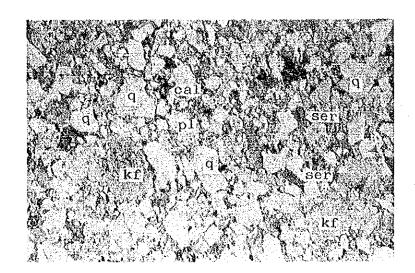


Only lower polar

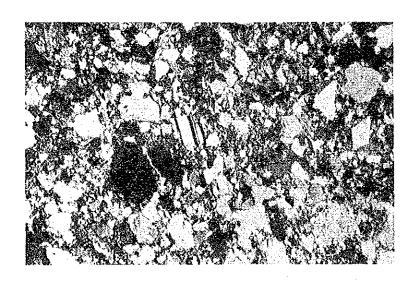


Crossed polars

Sample No. : Y-43
Location : B37-05 ("b" Area)
Rock name : harzburgite



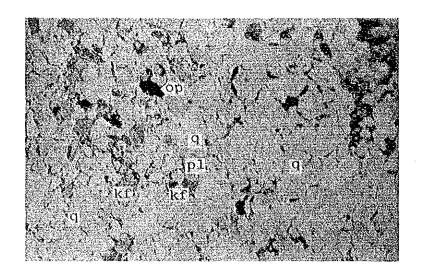
Only lower polar



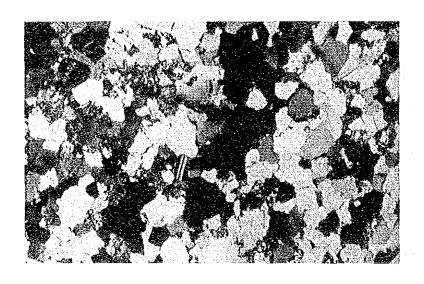
Crossed polars

I.O mm

Sample No. : Y-49
Location : B26-23 ("b" Area)
Rock name : sandstone

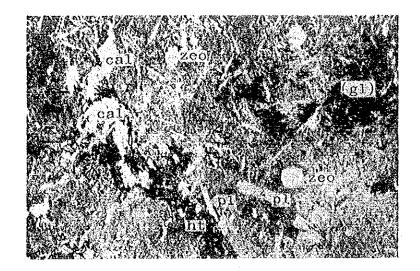


Only lower polar

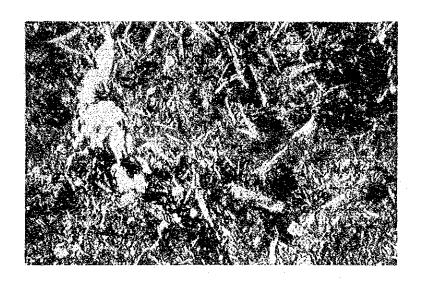


Crossed polars

Sample No. : F-01 Location : B28-23 ("b" Area) Rock name : sandstone



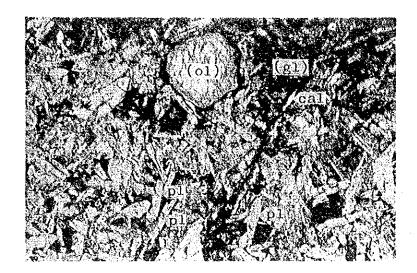
Only lower polar



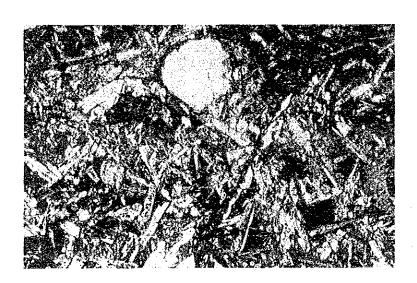
Crossed polars

10 mm

Sample No. : Y-23
Location : 110m north of B19-01 ("b" Area)
Rock name : basalt

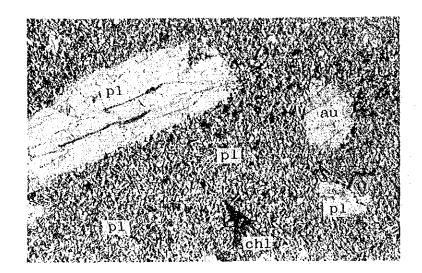


Only lower polar

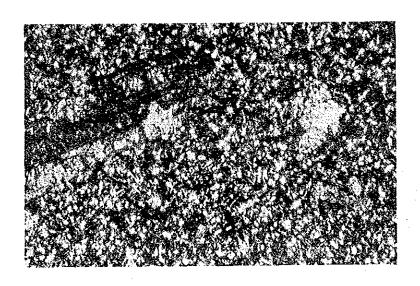


Crossed polars

Sample No. : T-31 Location : 70m north of B36-01 ("b" Area) Rock name : dolerite



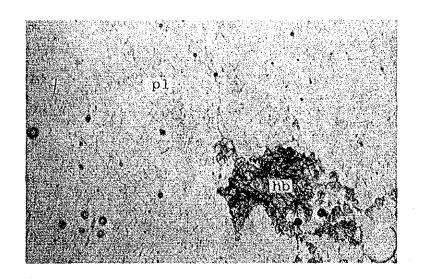
Only lower polar



Crossed polars

I.Omm

Sample No. : S-22 Location : B30-01 ("b" Area) Rock name : basalt

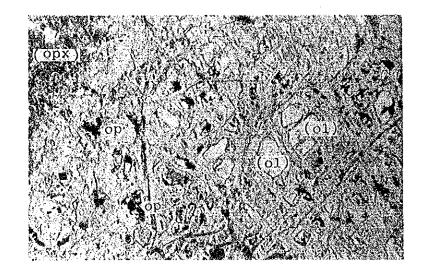


Only lower polar

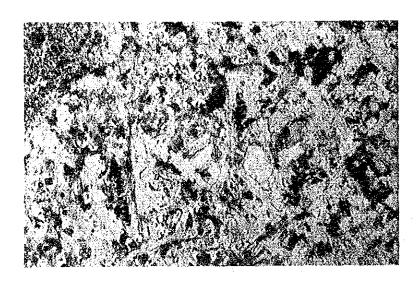


Crossed polars

Sample No. : T-20
Location : B51-01 ("b" Area)
Rock name : pegmatite



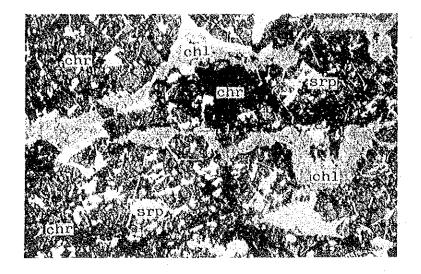
Only lower polar



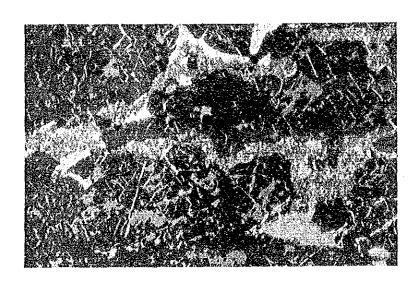
1.0 mm

Crossed polars

Sample No. : Y-28
Location : B29-25 ("b" Area)
Rock name : harzburgite

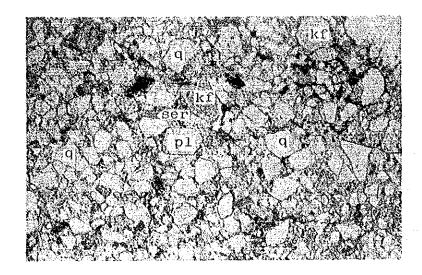


Only lower polar

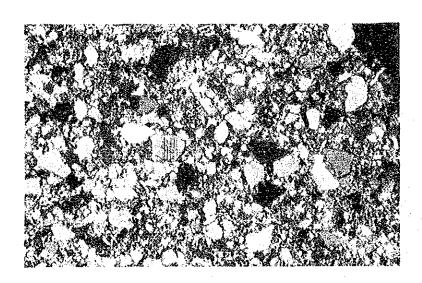


Crossed polars

Sample No. : Y-52
Location : B06-05 ("b" Area)
Rock name : chromite ore



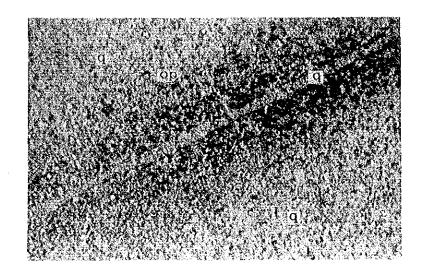
Only lower polar



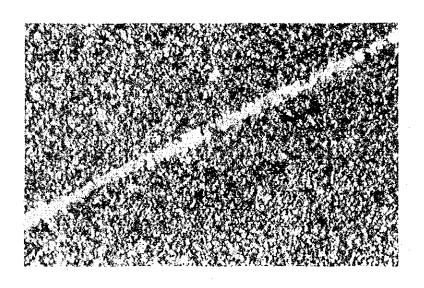
Crossed polars

LO mm

Sample No. : T-07
Location : C37-41 ("c" Area)
Rock name : sandstone



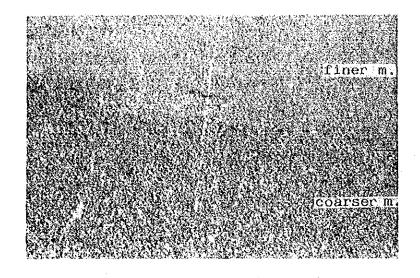
Only lower polar



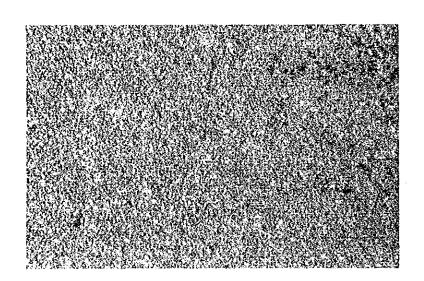
Crossed polars

1.0 mm

Sample No. : Y-18
Location : C39-22 ("c" Area)
Rock name : siltstone

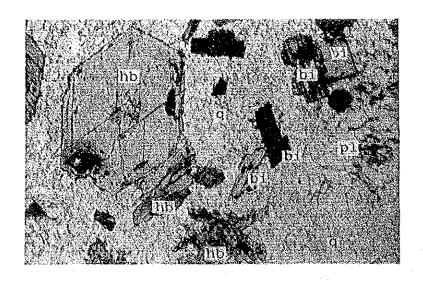


Only lower polar

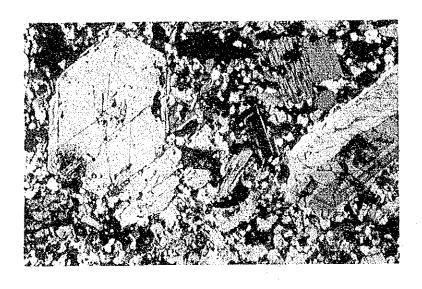


Crossed polars

Sample No. : T-08
Location : C33-41 ("c" Area)
Rock name : mudstone



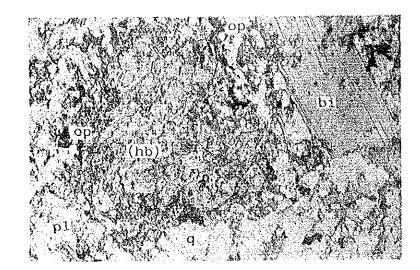
Only lower polar



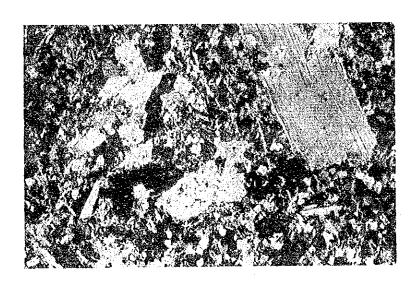
Crossed polars

10 mm

Sample No. : Y-17
Location : C40-25 ("c" Area)
Rock name : granodiorite porphyry



Only lower polar



Crossed polars

10 mm

Sample No. : T-04

Location : C36-08 ("c" Area)
Rock name : granodiorite porphyry

A-2 Microphotograph of Polished Sections

Abbreviation

py: pyrite

cp : chalcopyrite

bo : bornite

cc : chalcocite

cv : covellite

sph : sphalerite

gl : galena

chr : chromite

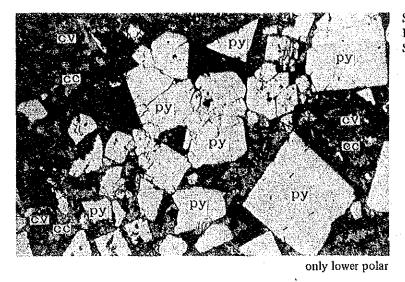
pyr : pyrrhotite

ars : arsenopyrite

mt : magnetite

ht : hematite

lim: limonite



Sample No. ; Y-50

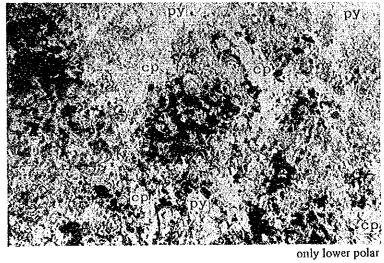
: B23-19 ("b" Area) Location Specimen : cupriferous secondary

sulfide ore

l_iOm

Sample No. : Y-31

: B23-19 ("b" Area) Location Specimen : cupriferous sulfide ore



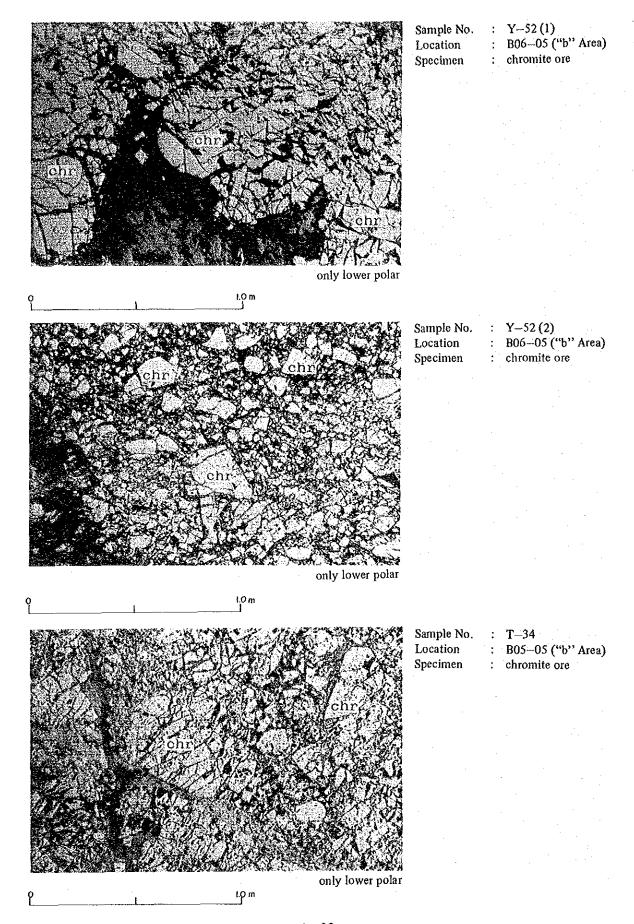
LO m

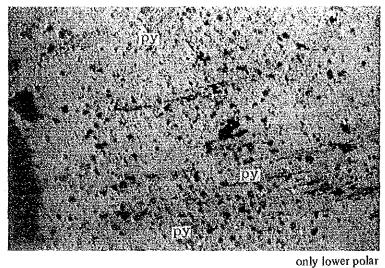
only lower polar io m

: Y-51 Sample No.

: B23-19 ("b" Area)
: cupriferous secondary Location Specimen

sulfide ore



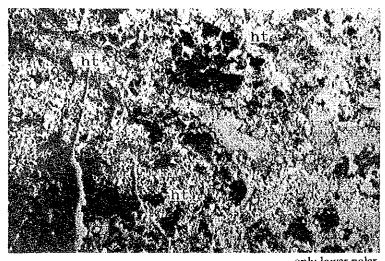


Sample No. : Y-40 Location : B40-23 ("b" Area)

Specimen : iron oxide ore



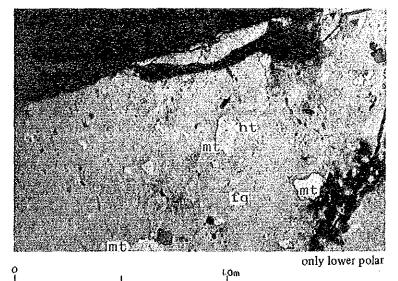
Sample No. : Y-27
Location : B32-28 ("b" Area)
Specimen : iron oxide ore Specimen



only lower polar

1,0 m

Sample No. : T-36
Location : B03-03 ("b" Area)
Specimen : iron oxide ore

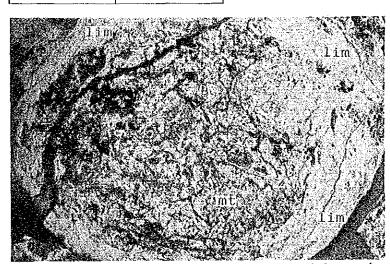




Sample No. : T-36
Location : B03-03 ("b" Area)

Specimen : iron oxide ore

10 m

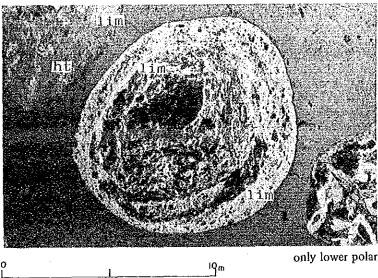


Sample No. Y-21

: B32-19 ("b" Area) Location

Specimen : iron oxide ore

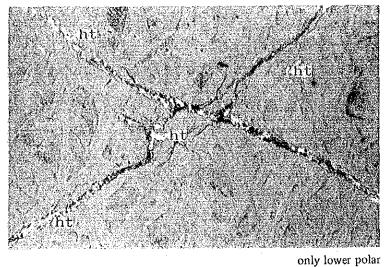
only lower polar



Sample No. : S-28

: B08-10 ("b" Area) Location : iron oxide ore Specimen

only lower polar



Sample No. : Y-45

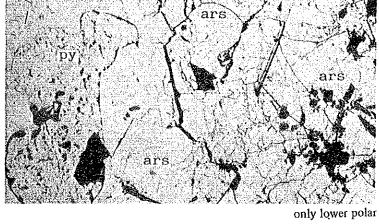
Location : B26-18 ("b" Area) : hematite-quartz stringer Specimen

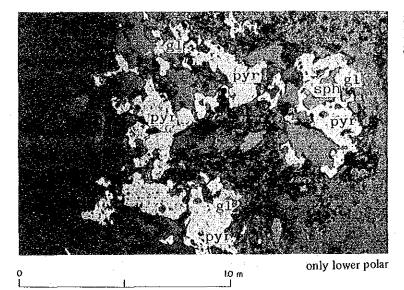


10m

: Y-20 Sample No.

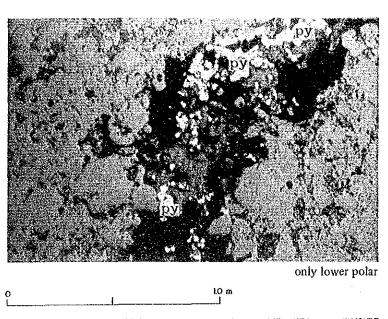
: C23-17 ("c" Area) Location Specimen : arsenopyrite ore





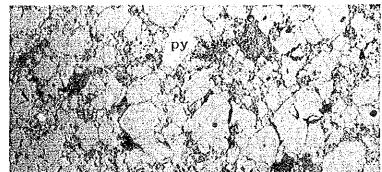
Sample No. : Y-14

: C14-07 ("c" Area) Location Specimen : granodiorite porphyry



Sample No.

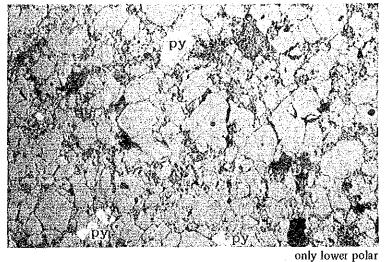
: Y-12 : C08-13 ("c" Area) Location : granodiorite porphy Specimen



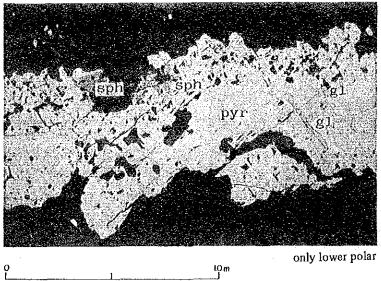
Sample No. : Y-07

Location : C37-10 ("c" Area)

Specimen : sandstone



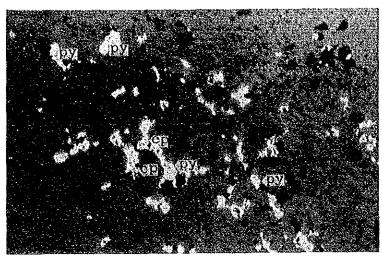
1.0 m



Sample No. : S-20 Location

: C14-09

Specimen : pyrrhotite stringer

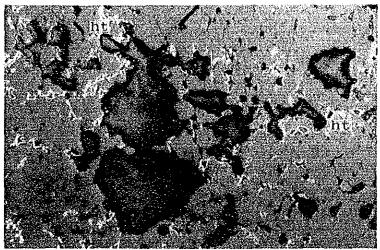


Sample No. : T-06
Location : C39-16 ("c" Area)
Specimen : sandstone

Sample No. : Y-09
Location : C37-13 ("c" Area)
Specimen : hematite ore

only lower polar

1.0 m



only lower polar

l.O m

Igneous Rocks

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	Texture	equigranular	equigranular	equigranular	intersertal amygdaloidal	sub-ophytic	intersertal	equigranular	porphyritic equigranular	equigranular	equigranular	porphyritic	porphyritic	porphyritic
	Rock Name	harzburgite	harzburgite	harzburgite	basalt	dolerite	basalt	pegnatite	granodionte porphyry	harzourgite	chromite ore	granodiorite porphyry	granodiorite porphyry	granodiorite porphyry
	Location	B07 - 10	BOS - 09	B37 - 05	110m north of B19-01	70m north of B36-01	B30 - 01	B51 - 01	east of the survey area	B29 - 25	30e – 05	C40 - 25	C36 08	C36 18
	Sample No.	S-31	S – 29	Y-43	Y – 23	T-31	s – 22	T - 20	Y - 48	Y - 28	X – 52	Y-17	T - 04	Y - 02
L	Serial No.	-	2	3	4	2	9	6	∞	6	20	=	12	13

notes; A-abundant, C-common, L-little ()-pseudomorph

Clastic Rocks

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	Rock	chert	ပ	U	ບ	7	ပ	၁			
		Rock Name	sandstone	sandstone	sandstone	sandstone	sandstone	sandstone	mudstone	siltstone	mudstone
		Location	B26 - 23	B28 - 23	C37 - 41	C01 - 14	C41 – 29	C05 - 26	C14 - 9	C39 - 22 '	C33 – 41
		Sample No.	Y – 49	F-01	T - 07	£0 – X	Y – 05	T-14	Y - 13	Y - 18	T - 08
	u	Pormatio				įp	emsu	ıΤ			
	Serial No.			15	16	17	18	19	20	21	22

otes: A-abundant C-common I -little

A-4 Result of Polished Section Examination

<u> </u>				Ore Minerals															
Serial No.	Sample No.	Location	Specimen	pyrite	chalcopyrite	bornite	chalcocite	covellite	sphalerite	galena	chromite	pyrrhotite	arsenopyrite	magnetite	hematite	limonite	illmenite	molybdenite	Remarks
1	Y - 50	B23 — 19	cupriferous secondary sulfide ore	L		Ç	A	C										<u> </u>	secondary minerals except pyrite
2	Y - 31	B23 19	cupriferous sulfide ore	С	A			L.											colloform
3	Y - 51	B23 - 19	cupriferous secondary sulfide ore	L		С	Α	С		L									secondary minerals except pyrite
4	Y - 52(1)	B06 - 05	chromite ore	·.							A								brecciated
5	Y 52(2)	В06 05	chromite ore								A								mylonited, magnetism
6	T – 36	B03 - 03	iron oxide ore							: <u>.</u>		·		L	L	С	L		
. 7	Y – 40	B40 - 23	iron oxide ore	L		·									L				
8	Y = 45	B26 - 18	hematite-quartz stringer												С				
9	Y = 27	B32 - 28	iron oxide ore						٠.						С	1		<u> </u>	botryoidal
10	T - 34	B05 - 05	chromite ore								A								mylonited
11	S – 28	B08 10	iron oxide ore											L	L	С			oolitic
12	Y — 21	B32 – 19	iron oxide ore											L	L	С			oolitic
13	Y - 20(1)	C23 - 17	arsenopyrite ore	L						 	-		Α			•			vein-type
14	Y 14	C14 - 07	granodiorite porphyry	С	L		·		L	L	.,	С				-			disseminated
15	Y – 12	C08 13	granodiorite porphyry	L					L					L			L	L	margin faces of intrusives
16	Y 07	C37 10	sandstone	C	L				L										disseminated
17	S – 20	C14 - 09	pyrrhotite stringer	L					L	L		С							vein-type
18	T - 06	C39 - 16	sandstone	C	L									•					disseminated
19	Y - 01	C20 08	sandstone	L	.L														disseminated
20	Y — 09	C37 – 13	hematite ore	L											С			·	layered

notes; A-abundant, C-common, L-little

Miscellaneous samples

pranue A		 	******		·	·	*	,				Pironaus:	1
	Remarks											amorphous silica	
	ətinornil			0				•					
	arsenopyrite											0	
	magnesio- chromite	0	-										
	ətitəngam			0									
	calcite				0						0		
als	sericite						•	•		•	•		
Minerals	əhirogitns		0										
	ətilnoitəs		0										
	chlorite	5	0			0	•		•	6	•		
	K-teldspar						•	2	•				
	plagioclase						•	•	9	8			
	zpieup		• .				0	0	(O)	0			
	Specimen	chromite ore	altered ultra- basic rock	gossanous soil	secondary deposits	veinlets in chromite ore	altered sandstone	altered granodiorite porphyry	altered sandstone	altered sandstone	vein in fault breccia	finer materials in arsenopyrite ore	
	Location	B05 - 05	B11 - 09	B04 — 03	120m north of B22—01	B06 - 05	C14 03	C01 - 02	C09-17	C11 - 11	C14 – 06	C23 – 17	
	Sample No.	T - 34	S - 23	T-35	Y - 22	Y - 52	S 02	S-13	S – 14	S – 19	Y - 15	Y-20	
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A-6 Result of Chemical Analysis of Ores

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Serial No.	Sample No.	Location	Specimen	Au(g/t)	Cu(%)	Pb(%)	Zn(%)	Mo(%)	Hg(%)
1	Y - 50(1)	B23 - 19	massive sulfide ore	1.16	48.28	0.03	0.02	0.034	< 0.001
2	Y - 50(2)	B23 - 19	massive sulfide ore	31.00	41.12	0.25	0.19	0.060	< 0.001
3	Y - 31	B23 19	massive sulfide ore	1.85	24.61	0.08	0.14	0.012	< 0.001
4	Y = 51	B23 – 19	massive sulfide ore	1.37	64.88	0.10	0.02	0.096	< 0.001
5	Y 52	B06 - 05	chromite ore	< 0.07	0.84	< 0.02	< 0.02	0.002	< 0.001
6	S 26	B07 - 08	chromite ore	< 0.07	0.28	< 0.02	0.02	0.001	< 0.001
7	S – 30	B06 - 06	chromite ore	< 0.07	0.14	< 0.02	0.03	< 0.001	< 0.001
8	T – 36	B03 - 03	iron oxide ore	< 0.07	0.18	< 0.02	0.02	< 0.001	< 0.001
9	Y - 40	B40 - 23	iron oxide ore	< 0.07	0.20	< 0.02	< 0.02	0.001	< 0.001
10	Y – 45	B26 - 18	hematite-quartz vein	< 0.07	0.02	< 0.02	< 0.02	< 0.001	< 0.001
11	Y - 41	B39 20	chert	< 0.07	0.06	< 0.02	< 0.02	< 0.001	< 0.001
12	Y – 27	B32 - 28	iron oxide ore	< 0.07	0.04	< 0.02	< 0.02	< 0.001	< 0.001
13	S – 28	B08 - 10	iron oxide ore	< 0.07	< 0.02	< 0.02	0.02	0.001	< 0.001
14	T - 35	B04 - 03	lateritic soil	< 0.07	< 0.02	< 0.02	0.02	< 0.001	< 0.001
15	Y – 14	C14 - 07	granodiorite porphyry	< 0.07	0.06	< 0.02	0.02	< 0.001	< 0.001
16	Y – 12	C08 13	granodiorite porphyry	0.21	0.06	< 0.02	< 0.02	< 0.001	< 0.001
17	Y - 07	C37 - 10	sandstone	< 0.07	0,04	< 0.02	< 0.02	< 0.001	< 0.001
18	S – 20	C14 - 09	pyrrhotite vein	< 0.07	0.02	< 0.02	0.02	0.001	< 0.001
19	T - 06	C39 16	sandstone	< 0.07	0.10	< 0.02	< 0.02	0.001	< 0.001
20	Y - 20(1)	C23 - 17	arsenopyrite ore	1.40	0.13	< 0.02	< 0.02	< 0.001	< 0.001
21	Y - 20(2)	C23 - 17	arsenopyrite ore	2.13	< 0.02	< 0.02	< 0.02	< 0.001	< 0.001
22	Y - 01	C20 - 08	sandstone	0.27	0.02	< 0.02	< 0.02	0.001	< 0.001
23	Y - 09	C37 — 13	hematite ore	< 0.07	< 0.02	< 0.02	< 0.02	0.001	< 0.001
24	S – 13	C01 – 02	granodiorite porphyry	< 0.07	< 0.02	< 0.02	< 0.02	0.001	< 0.001

note) (1) and (2) mean two tested samples from same specimen.

Analytical Data of As(%) and S(%) in Y - 20(1) are 41.82% and 17.67% respectively.

Serial No.	Sample No.	Location	Specimen	Сг ₂ О ₃ (%)	Total Fe (%)	SiO ₂ . (%)	Al ₂ O ₃ (%)	MgO (%)	Ni (ppm)	Co (ppm)
25	Y - 52(1)	В06 05	chromite ore	32.66	13.11	6.13	22.87	17.19	1,809	174
26	Y - 52(2)	B06 - 05	chromite ore	31.28	12.00	7.84	23.07	16.90	1,709	160
27	T - 34	B05 - 05	chromite ore	29.73	11.29	10.79	19.85	15.63	1,629	156

note) (1) and (2) mean two tested samples from same specimen.