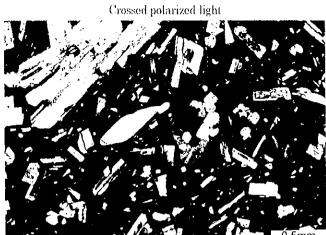


Plane polarized light 50 1821 LOMALLENA Pl Aug Pl Aug





Appendix 3 Microscopic Observations of Polished Thin Sections



"SAMPLE LIST of LABORATORY WORKS" (POLISHED SECTION)

	Sample	PLE LIST	T	TM	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Мо	Ba	Sn
L	No.	District	N	E	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1	1090	TURAQUIRI	7,994,530	19,562,270	13	119	16	7,515	2,249	<5	<5	490	3	1,276	<5
2	1091	TURAQUIRI	7,994,587	19,562,253	46	48	5	4,798	1,118	365	<5	80	3	1,777	\\ √ 5
3	1484	TURAQUIRI	7,995,520	19,561,050	<2	1	7	132	18	<5	<5	40	1	193	√5
4	1487	TURAQUIRI	7,994,820	19,560,780	<2	12	14	62	967	<5	<5	50	2	281	<u>\\</u> <5
5	1795	TURAQUIRI	7,994,322	19,562,280	*										
6	1796	TURAQUIRI	7,994,322	19,562,280							·	 			
7	1797	TURAQUIRI	7,994,322	19,562,280											**************
8	1798	TURAQUIRI	7,994,322	19,562,280			,,	***************************************			***************************************		······································	*****************	
9	1799	TURAQUIRI	7,994,421	19,561,078	<2	2,157	283	4,000	9,000	59	<5	930	2	9	<5
10	1800	TURAQUIRI	7,994,402	19,561,243											
11	1474	CHULLCANI	7,978,270	19,517,828	<2	<0.5	8	8	75	<5	<5	10	2	157	< 5
12	1478	CHULLCANI	7,977,500	19,518,740	121	<0.5	17	280	19	21	<5	60	9	2,760	<5
13	1562	CHULLCANI	7,975,620	19,518,270	<2	<0.5	28	4	20	<5	<5	30	<1	124	<5
14	1388	ASU ASUNI	7,984,044	19,551,029	<2	<0.5	14	<3	20	<5	<5	20	<1	260	<5
15	1393	ASU ASUNI	7,983,123	19,550,669	⟨2	<0.5	28	<3	24	<5	<5	10	<1	265	<5
16	1047	SONIA SUSANA	7,918,667	19,518,649	3	3	147	245	4,660	11	<5	20	<1	49	<5
17	1371	SONIA SUSANA	7,917,718	19,515,657	<2	<0.5	8	8	112	<5	<5	30	<1	156	<5
18	1373	SONIA SUSANA	7,917,929	19,516,070	⟨2	<0.5	115	14	88	<5	<5	<10	<1	156	<5
19	1380	SONIA SUSANA	7,917,361	19,516,640	<2	<0.5	<2	<3	238	<5	<5∶	<10	<1	183	<5
20	1462	SONIA SUSANA	7,919,200	19,518,350	20	<0.5	114	117	791	76	<5	30	21	92	<5
21	1552	SONIA SUSANA	7,916,527	19,515,617	<2	<0.5	<2	7	136	9	<5	20	1	850	<5
22	1611	SONIA SUSANA	7,916,347	19,514,540	10	18	439	42,400	9,665	16	6	1,110	5	159	<5
23		SONIA SUSANA	7,918,859	19,518,523	5	3	28	470	589	6	<5	70	2	140	<5
24	1931	SONIA SUSANA	7,919,460	19,513,695	48	4	13,814	1,167	5,534	114	11	70	2	150	<5
25		SONIA SUSANA	7,916,646	19,516,775	6	1	59	7	286	118	<5	50	<1	58	<5
26	1418	CALORNO	7,764,180	19,539,780	<2	<0.5	5	<3	<2	16	<5	60	2	257	<5
27		CALORNO	7,764,750	19,540,450	<2	<0.5	19	<3	3	57	<5	50	3	59	<5
28		CALORNO	7,765,700	19,541,820	<2	<0.5	7	76	<2	29	<5	40	3	104	<5
29	***************************************	CALORNO	7,760,577	19,545,550	<2	<0.5	14	4	4	15	<5	90	1	41	<5
30	1899	CALORNO	7,759,591	19,547,130	<2	<0.5	14	15	32	156	<5	30	2	107	<5

				Ore minerals	Gangue minerals	Remarks
Š	No. Sample No.	Locality	Sample name	Py Gn Cp Cv Az Hm Gt Jar Sp	PI BI Hb Aug OI Mt Ch Se Ep	
[-	↓_	TURAQUIRI	Gn-Ba-Oz vein	×	O	:
i		TURAQUIRI	Hrn-Gn-Ba-Oz vein	× <		
6		TURAQUIRI	Hm-Gn ore in andesite	×	$\nabla \times \nabla \times \nabla$:
4	<u>.i</u>	<u> </u>	Gn-Qz vein	٥		1 de
'n	÷		Gn-Sid-Oz-Ba vein	×		Mil-oxide non
9	<u> </u>		Gn-Sid-Ba-Qz vein	٥		
-			Gn-Ba-Qz vein	×		Intruding rnyoutic furt
8			Gn-Ba-Qz-vein	٥	٥	
6	í	TURAQUIRI	Py-Sid-Oz vein	٥		
2	<u>i</u>	TURAQUIRI	Py-Gn-Cp-Ga-Ba-Sid-Oz vein	0 0 0		
	⊶.	_	Py imp in dacitic lapilli tuff	×	٥ م م	
12	i.		Py imp in oxidized andesite	O ×	□ ×	
2		Ļ	Py imp in silicified andesite	×	0	
1		ļ.,	Py imp in andesite	x x	× 4 0	
: :	_		Hm imp in andesite	×	× 4	
199	┷.	\s	1	×	Δ Δ	
17	٠	ļ	1	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□<	٥	
18	.—	<u> </u>		× × ×	0 4	Cu : anyguaronaa
16	<u>:</u>	<u> </u>	SONIA-SUSANA Py imp in andesitic tuff	× ×		
8	1462	-	Py imp in andesite	×		
77	∔—	1	Py imp in andesitic tuff breccia	× × ×		
123	1	<u> </u>	•	× × × × × × × ×	•	
ន	1918	<u> </u>	SONIA-SUSANA Gn-Py imp in andesitic tuff))	
24	1931	<u> </u>	SONIA-SUSANA Py imp in andesite	× × × ×	0	
25	1958	<u> </u>	A Py imp in basalt	×	1 7 7 7 7	
26	1418	CALORNO	Py imp in andesite	× ×	1	
27	 		Py imp in alunitized andesite	4		
83	3 1427	CALORNO	Py imp in andesite	×		
৪	1772	CALORNO	Py imp in alunitized andesitic lapilli ruff		1	Gt.Hm · interprowth
R	000	0740	C. III and a sadacitic to Af brockis	0		Carrier and Property

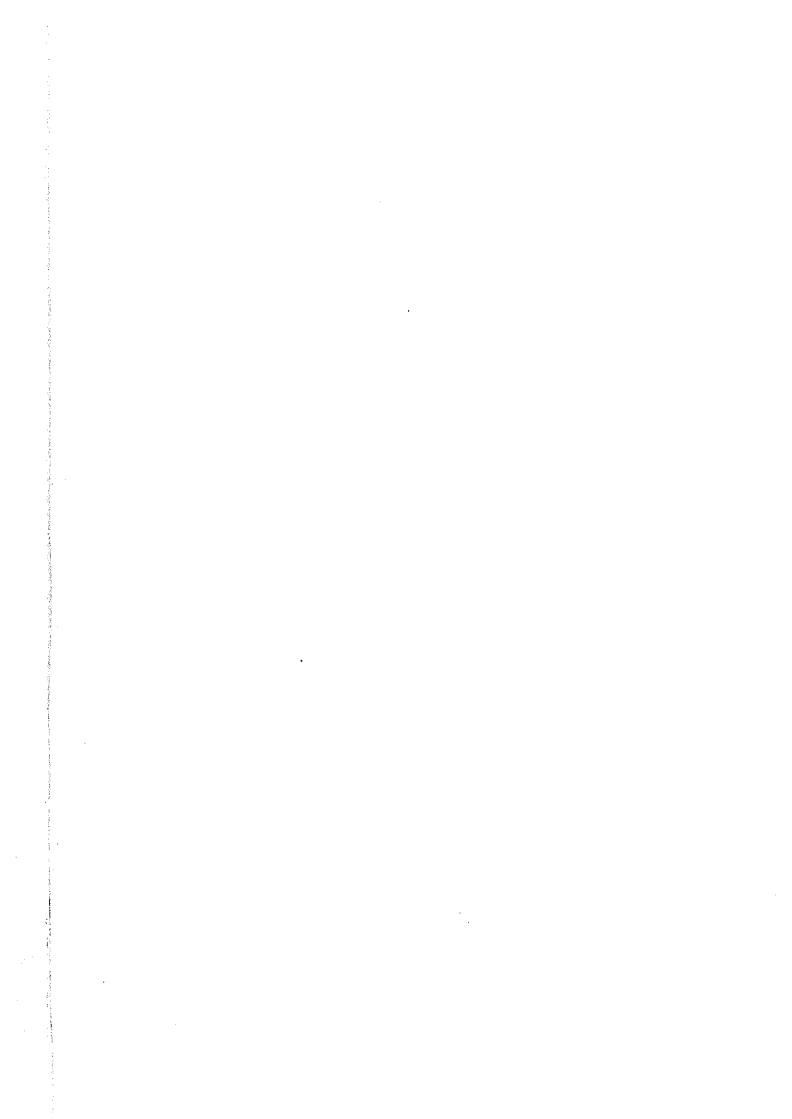
[Abbreviations]

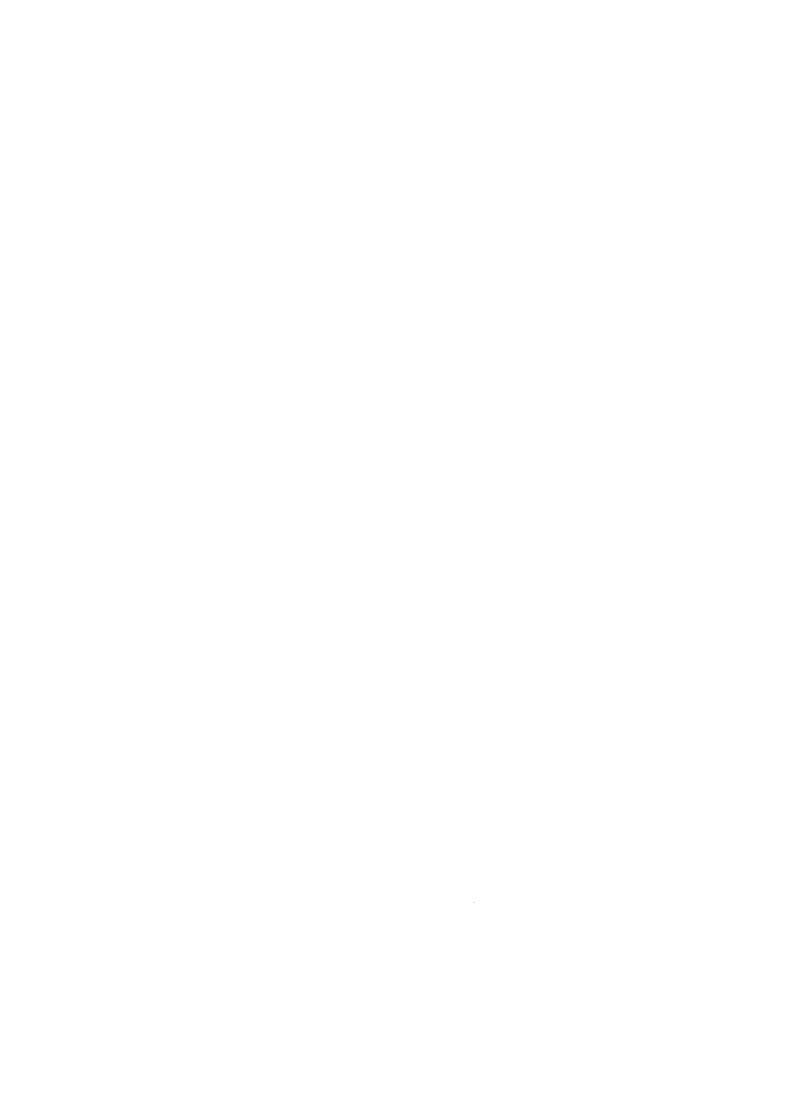
Cv : covelline, Ep : epidote, Ga : gamet, Gn : galena, Gt : goethite, Hb : hornblende, Hm : hematite, Jar : jarosite, Ka : kaolinite, Aln: alunite, Ap: apatite, Aug: augite, Az: azurite, Ba: barite, Bt: biotite, Cal: calcite, Ch: chlorite, Cp: chalcopyrite,

Le : leucoxene, Mt : magnetite, Ol : olivine, Pl : plagioclase, Py : pyrite, Qz : quartz, Ser : sericite, Sid : sidente, Sp : sphalerite

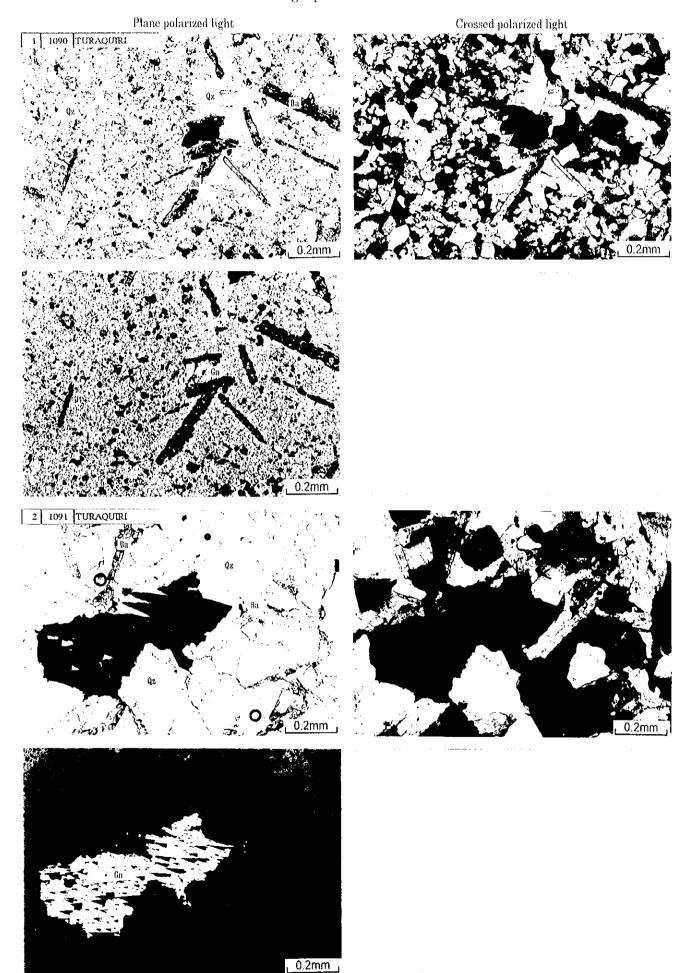
[Legend] $\bigcirc : \mathsf{Abundant}, \ \Box : \mathsf{Common}, \ \Delta : \mathsf{Poor}, \ \times : \mathsf{Rare}$

Results of Microscopic Observations of Polished Thin Sections Appendix 3

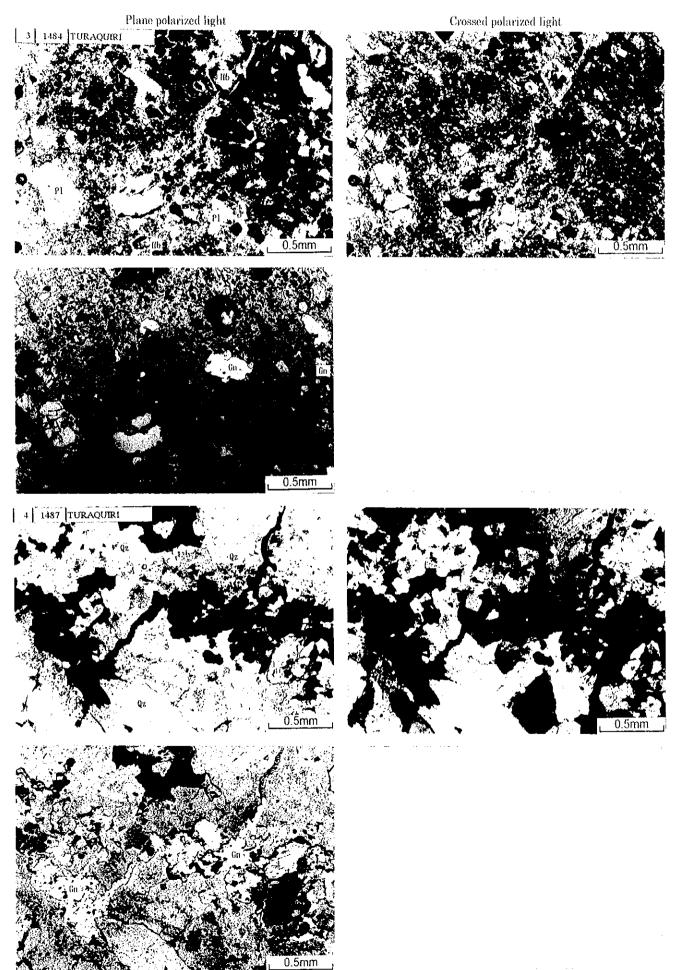




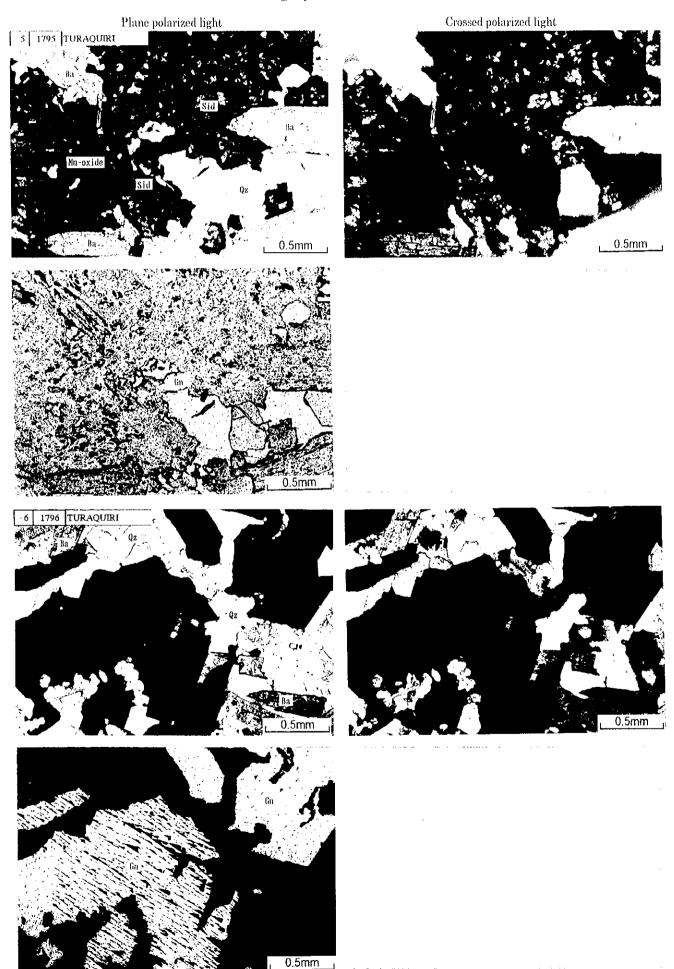
Photomicrographs of Polished Thin Sections



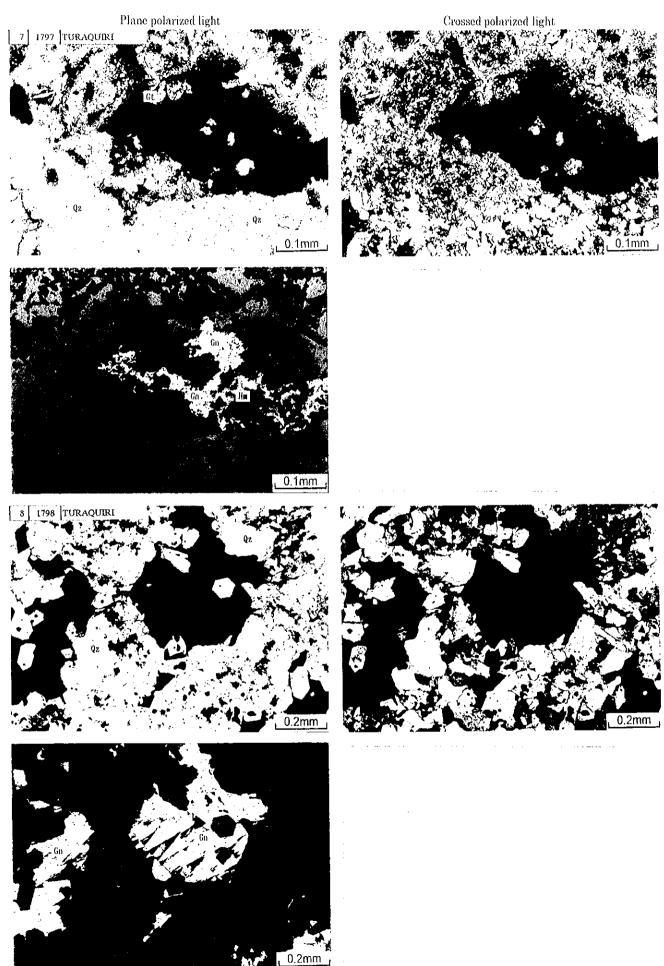
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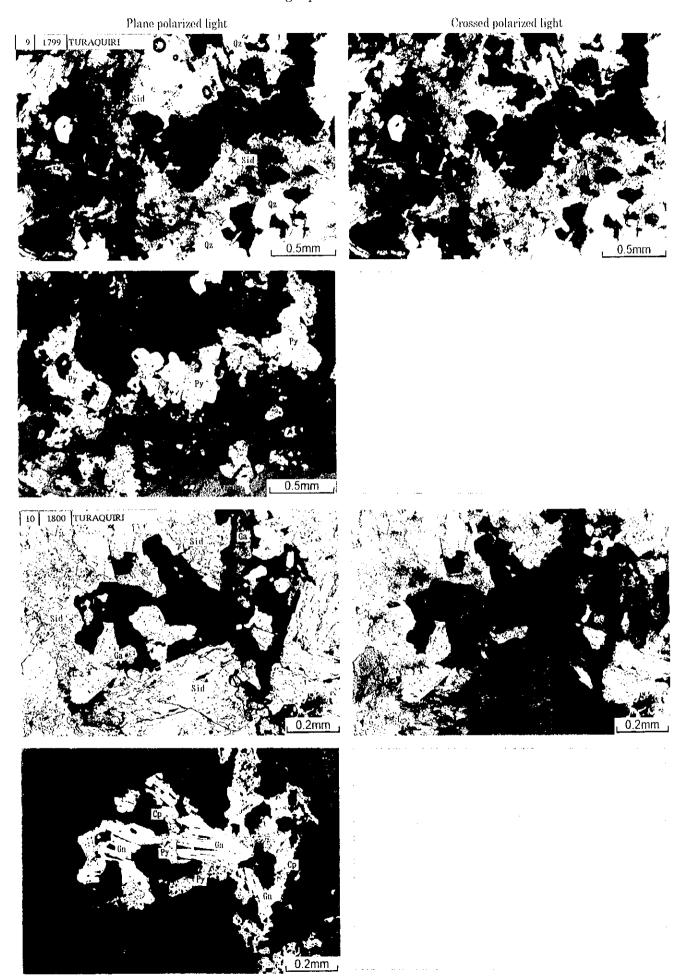




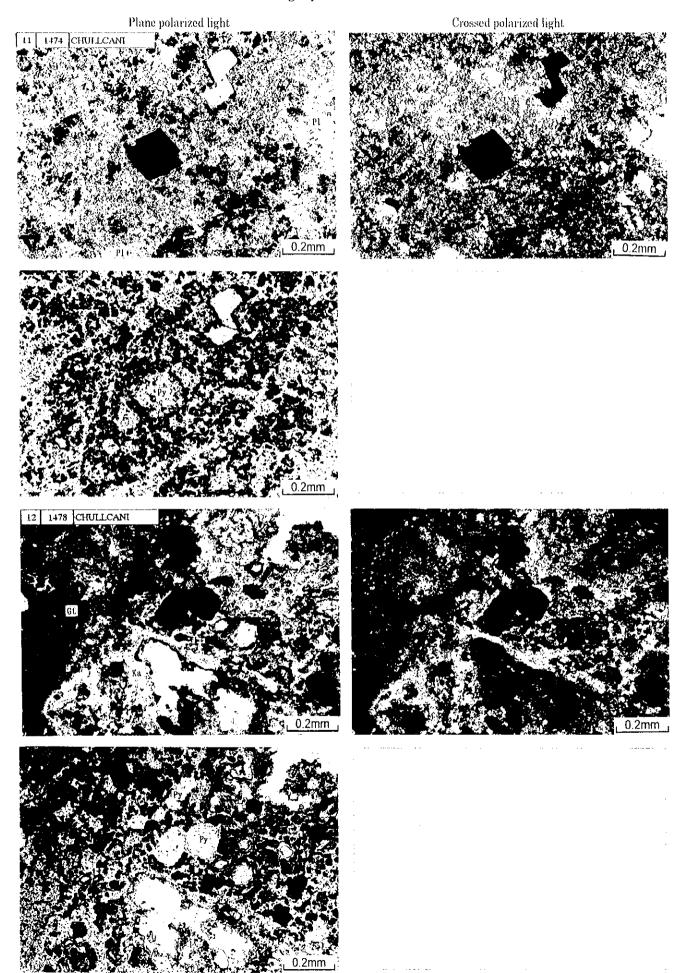




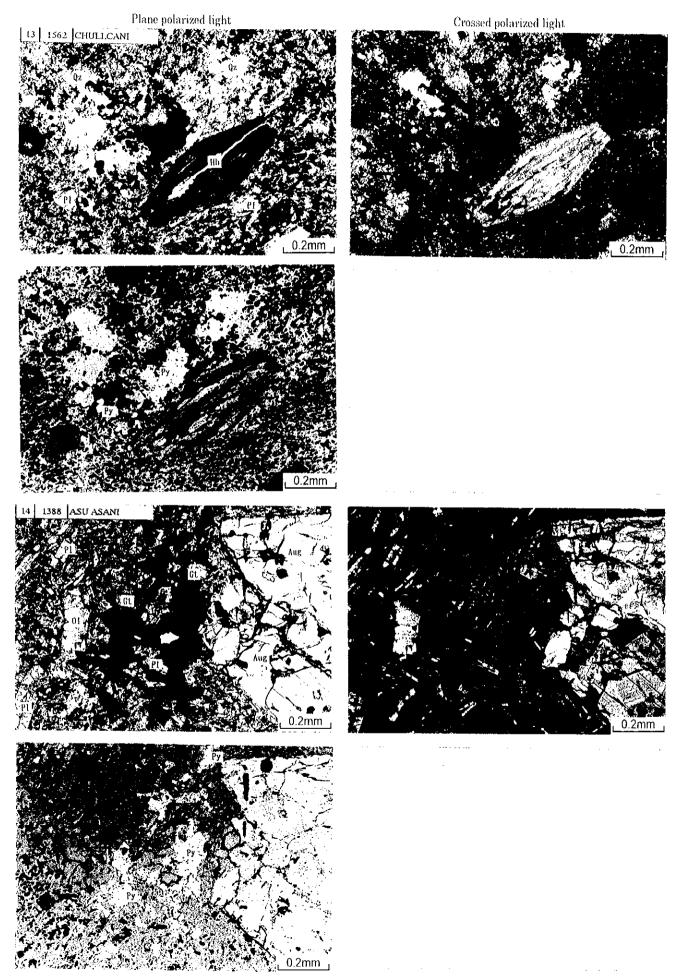




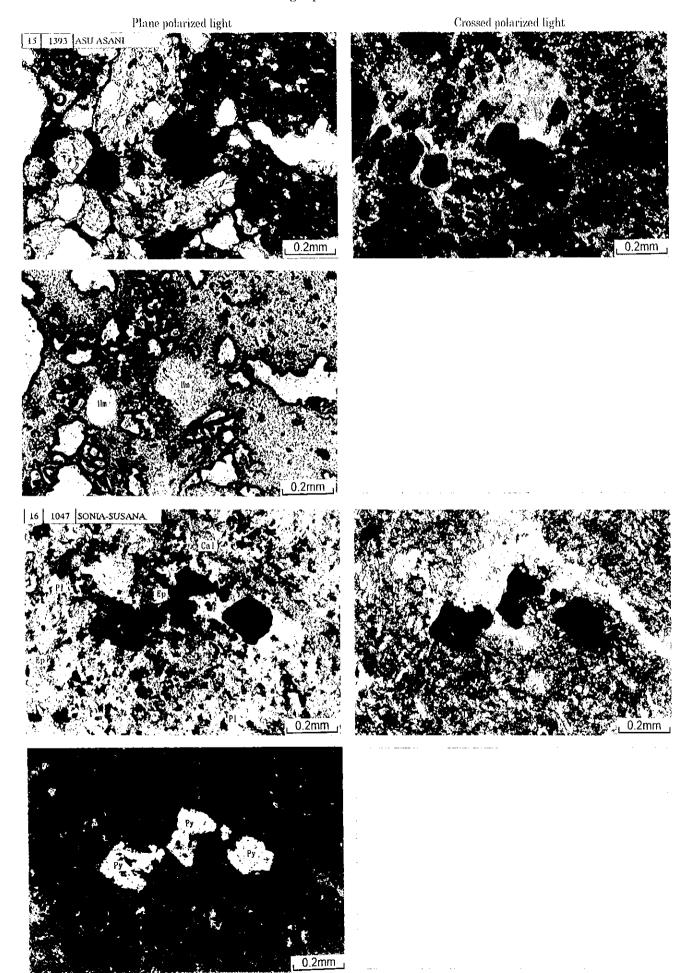




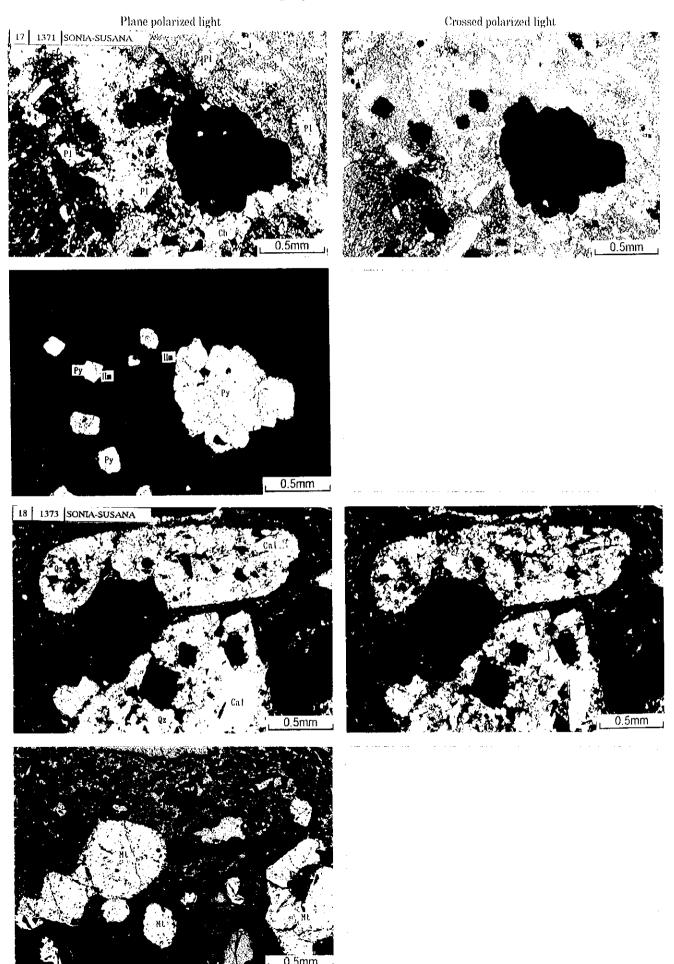




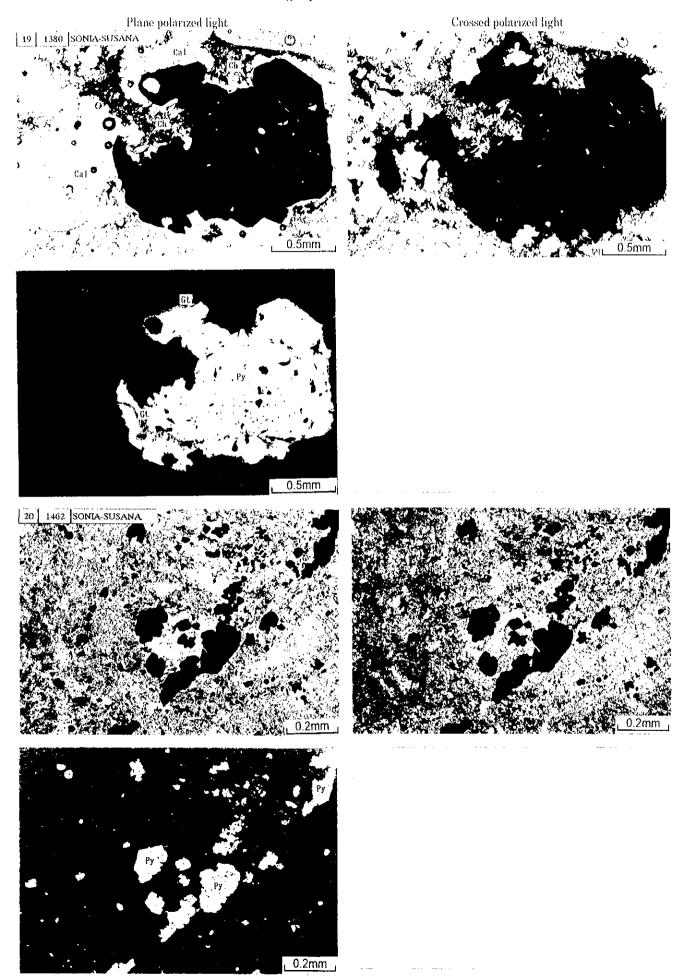
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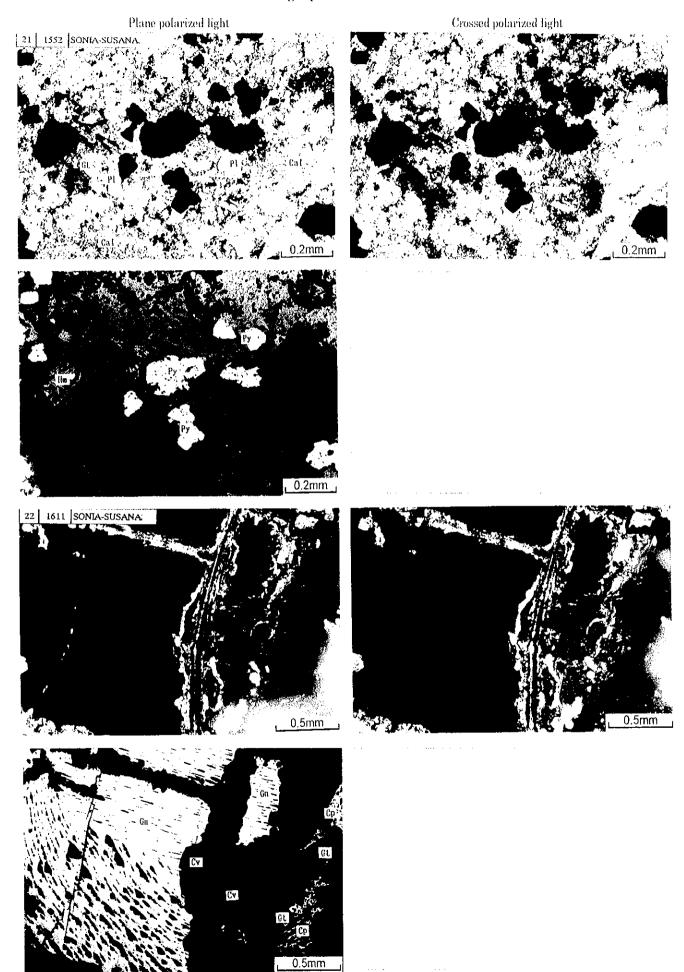


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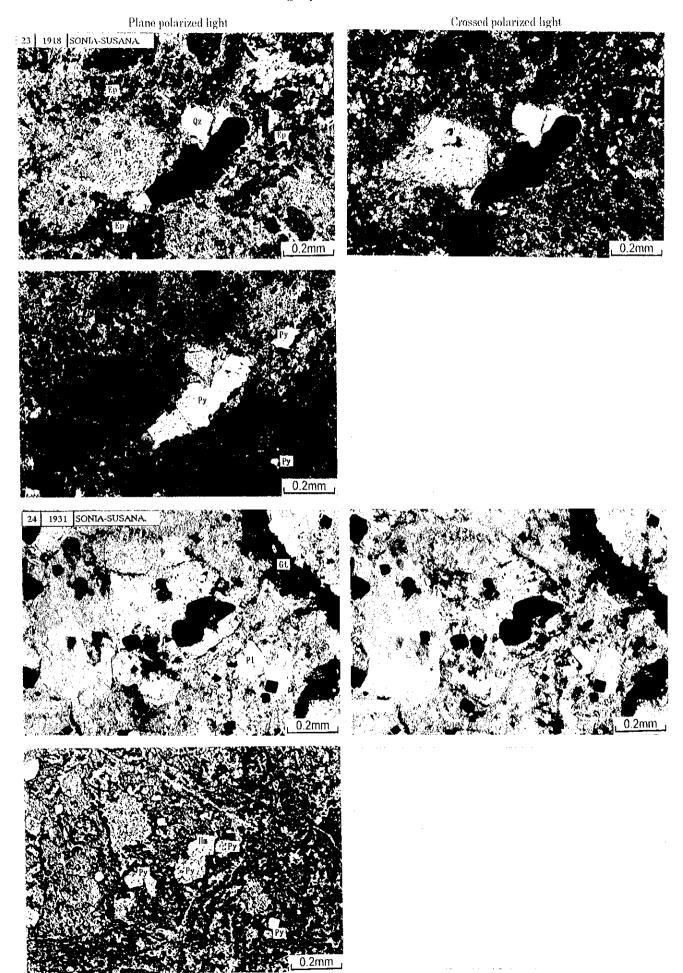


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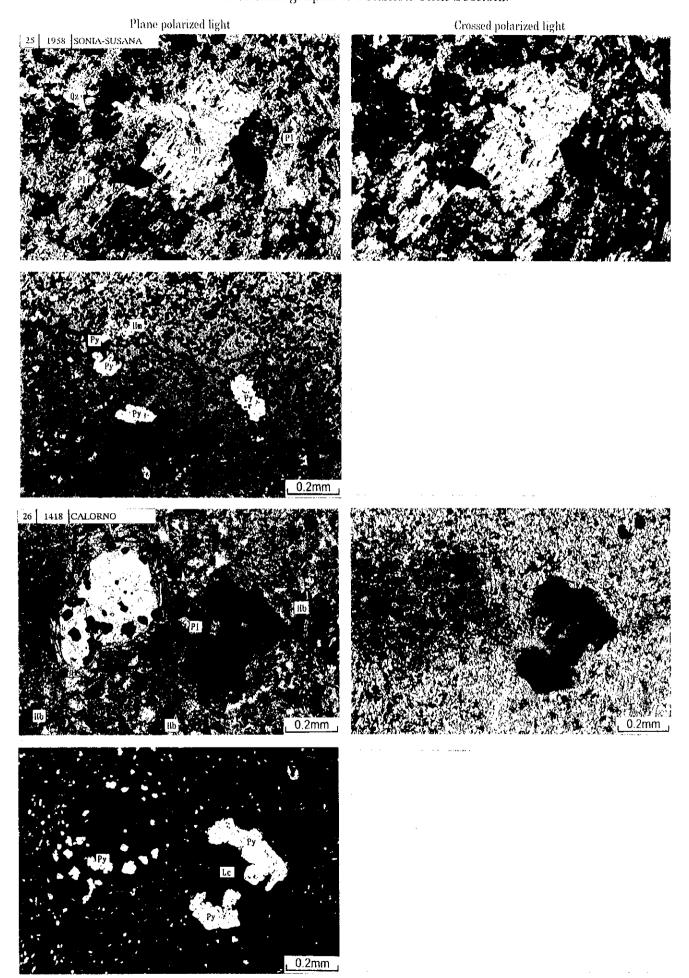




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