Appendix 2 Microscopic Observations of Thin Sections



	Samula			LITM (2	(one 19)	Au	A a	Cu	Pb	Zn		Ch.	ш.	Г и. Т	0.	(
No.	Sample No.	District	Location	N N	E	dqq	Ag ppm	ppm	ppm	ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	8a ppm	Sn ppm
1	6261	Asu Asuni		7,984,263	552.533								.,,			FFOO
2	6965	Asu Asuni		7,984.104	552,552	<2	<.5	7	<3	<2	<5	<5	<1	16	316	<5
3	6972	Asu Asuni	The second section of the second seco	7,984,066	552,464	<2	₹.5		6	2	6	⟨5	<1	3	686	<5
5	4977 5548	Chullcani Chullcani		7,976,987	520,258 520,749	<2			9.9	1.4					2400	
6	5549	Chullcani		7,977,345	520,548	(2	₹.5 ₹.5	12 21	56 17	14	24 11	6	<u> </u>	<1 1	2488 1945	<5 <5
7	5558	Chullcani		7,977,009	520,336	⟨2	₹.5	7	160	9	10	12	<u>```````</u>	<u>'</u>	2156	<5
8	5954	Ghuilcani		7.975,615	518,000	<2	<.5	13	20	3	13	8	⟨1	2	1514	<5
9	5976	Chullcani	TO EXPLICATE TO STATE AND	7.975,833	519,133	<2	< 5	5	30	3	8	11	<1	7	1342	<5
10	5993	Chullcani		7,978,065	520,409	<2	<.5	18		48	24	<5	<1	2	1080	<5
11	6129	Chullcani		7,977,260	519,087	<2	1.6	5	191	8	11	13	<1	3	1426	<5
13	6244 6246	Chullcani Chullcani	**************************************	7,975,685	518,179 521,920											
14	6256	Chulicani		7,975,490	519,313		***. 11 takak : k-**			F 194 1 - 10 10 10 10 10 10 10 10 10 10 10 10 10						
15	6257	Chulicani		7,975,830	519,158											
16	6903	Chullcani		7.978,228	519,138	<2	₹5	8	17	27	16	9	< 1	<1	1407	<5
17	4997	Sonia Susana		7,919,425	515,684											
18	4998	Sonia Susana		7.917.938	517,507			1141 800	,	· · · · · · · · · · · · · · · · · · ·						
19	5538	Sonia Susana		7,920,144	512,680	<2	<.5	3	21	13	11		<1	<1	911	<5
20	5913 5917	Sonia Susana Sonia Susana		7,917,176	517,492	11	2.1	133	73	130	119	8	<1	36	926	8
22	5929	Sonia Susana		7,917,208	516,802 514,636	⟨2	<.5 <.5	31 5	85	574 17	12 12	(5	(1	13	1756	<5 <5
23	5936	Sonia Susana	11. The offst constituted dates in the conserver common resources comp	7,917,435	514,291	<2	(.5	10	14	35	7	<5 <5	(1 (1	(1 (1	2166 266	<5 <5
24	5939	Sonia Susana		7,914,714	517,394	⟨2	<.5	4	110	108	10	<5	<u>\\</u>	2	1146	(5
25	5944	Sonia Susana		7,915,639	517,468	4	0.9	34	23	69	14	<5	۲۱	5	769	₹5
26	6057	Sonia Susana		7.916,695	518,597	30	6.2	184	408	512	112	7	<1	6	1737	<5
27	6085	Sonia Susana		7,919,027	519,487	9	1.6	296	199	3215	11	<5	<1	4	368	<5
28	6238	Sonia Susana		7,918,414	516,805	ļ										
29 30	6240 6242	Sonia Susana		7,917,455	516,944						p					
31	6248	Sonia Susana Blanca Nieves	Blanca Nieves	7,914,615 8,009,893	517,573	 										ļ
32	6249	Blanca Nieves	Blanca Nieves	8,008,870	505,530	<u> </u>										
33	6250	Blanca Nieves	Blanca Nieves	8.010,420	505,514	d									to a feed comme	
34	6251	Blanca Nieves	Blanca Nieves	8,008,287	505,801											
35	6254	Blanca Nieves	Blanca Nieves	8.007.976	502,397											
36	6255	Bianca Nieves	Blanca Nieves	8,007,543	502,456											
38	6259 6260	Blania Nieves Blania Nieves	Titicayo Titicayo	8,018,640 8,016,541	519,965 522,467											
39	4993	Carangas	San Francisco	7,913,560	537,269							······································				
40	4995	Culebra	Co. Culebura	7,891,022	530,982											
41	4996	Culebra	Co. Culebura	7,891,070	530,966	1										ļ
42	4990	Mendoza	San Lorenzo	7,828,210	635,727											
43	4985	Mendoza	Mina La Deseada	7,824,315	634,506											
44	6346 6373	Mendoza Mendoza	Mina Guadalupe	7,822,418	635,692	3	3.4	331	20	120	129	<5	< 1	1	1533	⟨5
46	4981	Panizo	Mina Guadalupe Vilasaca	7,822,233	636,672 562,083	<2	<.5	4	32	60	8	<5	<1	2	1080	(5
47	4982	Panizo	Vilasaca	7,802,633	560,744						· 10					
48	4983	Panizo	Tuico	7,798,449	566,330		***************************************									
49	4984	Panizo	Tuko	7,797,294	566,262					*						
50	5712	Panizo	Tulco	7.799.495	566,368	<2	⟨.5	9,	74	11	89	⟨5	<1	3	793	9
51	4955	Panizo	Panizo	7,778,996	552,162											
52	4957 4958	Panizo Panizo	Panizo Panizo	7,781,491	553,635 553,804					· 1						
54	4959	Panizo	Panizo	7,784,294	550,135											
55	4960	Panizo	Panizo	7,784,991	549,716										***************************************	
56	5487	Panîzo	Panizo	7,783,488	552,962	₹2	<.5	17	38	⟨2	27	9	<1	4	842	₹5
57	3912	Sallica	Mina Plasumar	7,712,981	638,121	2	₹.5	16	17	16	16	<5	<1	<1	574	<5
58	4924	Sailica	Mina Plasumar	7,714,886	638,707											
59 60	4961 6706	Sailica	Mina Plasumar	7,715,362	637,453											
61	2031	Sailica Sailica	Mine Plasumer Mine Solucion	7,715,606	639,364 631,623	√2	<.5 <.5	56 52	26 18	442 154	10 <5	15 10	<1 <1	2	1183 819	<5 (5
62	2038	Sailica	Mina Solucion	7,712,040	631,047		(.0	92	F 6	194	(0)	10	<u> </u>		919	(5
63	4927	Calorado	Bayos	7,706,987	559,702			771 -PHILIDS - 484 (1-448-4								
64	2011	Luxsar	11 - 12-12-12-12-12-12-12-12-12-12-12-12-12-1	7,678,443	595,459											
65	2185	Luxsar		7,679,500	596,731											
66	2188	Luxsar	11-34-71114-14 1814-14	7,679,873	596,602											
67	2825 2167	Luxsar		7,679,336	596,669	<2	<.5	6	14	17	44	₹5	< 1	3	1385	<5
69	2170	Cachi Unu Sedilla	Co. Chascos	7,671,624 7,660,436	615,673 626,826											
70	2171	Sedilla	Co. Chascos	7,660,974	626,767	t			-	,	1 ***** \$. 1 t. ***********			ļi		
71	3256	Sedilla	Co. Chascos	7,657,235	625,725											l
72	4919	Sedilla	Co. Cliascos	7,659,862	625,971						171 II. N. 18-710 II II. II. I		·			
73	4922	Sedilla	Co. Chascos	7,659,922	627,680								PAR 4 1000 1			
74	2137	Sedilla	Co. Sedilla	7,647,485	620,890	<2	<.5	9	11	18	9	<5	<1	3	878	<5
75	2139	Sedilla C-201-	Co. Sedilla	7,647,350	620,725	<2	⟨.5	13	12	28	13	<5	<1	. 4	838	<5
76	2145 2807	Sedilla Sedilla	Co. Sedilla Co. Sedilla	7.647,305	619,855 621,228	<2 <2	<.5 <.5	8 11	396	35	92	5 ∠c	<1	4	770	40
78	2881	Sedilla	Eskapa	7.648,107	634,403	⟨2	70.4	20	17 641	16 11	48 32	<5 360	<1 <1	6 9	839 1311	<5 <5
79	3258	Sedilla	Eskapa	7.648,941	634.375	⟨2	√.5	9	29	32	65	300 (5)	\ \	2	1154	(5
80	4906	Sedilla	Eskapa	7,650,293	634,016											-

T	7										Vo	kanic	rock											Pyro	clastic					1				Alteral	tions no	acnla	,				Remarks
0. 541	nold	Locality	Rock name				Phe	nocrys								Group	dmass					J., ,	ock fragmen	Ĺ		al frage			Matrix	1				, ,		_				-	жердатыз
	io.			Oz Ki	21	Эн	нь	Ang B	y OI	Mi S	gb A	p Oz	K£	ři i	B4 1	Bb Au	By	α	MD A	p Tri-Cr	GI			Qz.	SE PI	1B1]	D /	ME (Ge C	(a)	Se (3	Se C	Es Es	Xa	Ala :	by i G	Hei	Le A	Tri-Cr	Ze	
62	61	Asu Anai	Aug-Hb-Bt andesite		0	0	Δ	Δ	1	1.				Δ	-	- -			- [Δ	0	LШ		1				14	_	1	\perp	11	-	-		+	4	+	1		Highly brecessed
66	165	Asu Awai	Alumitized andesite (hydrobraccia)		(0)		(A)		1	1		\Box		0	,	آ۵		ļ l	_1_	}	(0)	<u> </u>]	_	[\perp	.	-		÷	-	이	1		<u></u>			Highly breccused
65	772	Asu Auni	Alumitized andesite (hydrobrecma)		(0)		(0)	\neg	\top			T		(0)	10	۵			-		(0)]	_				\vdash	4	-	<u> </u>	<u>.</u>	 +	0		-	牛	+-	Δ	Vient
45	777	Chullenni	Hb-Bi andesik	1	0	0	(0)	1		·				0		إدم			-	Δ	<u> </u>			<u> </u>		 	—	<u> </u>	\bot	1-	Δ.	 	<u> </u>		_		+	Δ	+		Pt: wholly shanisted, With fine Ala
55	48	Jani) cani	Alumitized Hb andesite	\Box	(0)		(0)							(A)		Δ)		Ш	٠		0			1 1		1		1		₩		₩	<u> </u>		0	ΙΔ	+++	4	+	Δ	TT, DEGLY PRODUCTION, THE LESS TON
55	49	Chullcani	Alumitized Hb andesite (hydrobreccia)	1 1	(0)		(0)				Ĺ	ŀ		(A)	10	Δ)	1		-	1	0			<u> </u>		11		₩		₩		1		1	0 ;	- -	+		+		Gen: pilotaxitic
55	58	Chullenni	Aug-Hy-Hb andesite		0		0	A 4		Δ				0		<u>Δ</u> Δ	7		Δ	Δ	1	1				\vdash		-	+	-		+-		1 1		 -	++		+-	Δ	C. powers
55	254	Chullcani	Alumitized Hb andesite		(0)		(0)					1		(0)	(.	Δ)				<u> </u>	0				{	Ц	<u>.</u>	44	-	1		++	-+-	0	_	Δ	++		+-	+	Bercripted, porces
59	76	Chulicani	Alumitized andesits (hydrobreccis)		(0)		(0)				ļ			(0)		Δ)		Ш	<u> </u>	<u> </u>	0	igspace	_	1		!				1.		 	-	101	9	A		Δ	Δ		Highly breecisted and oxidated
35	93	Chullcani	Altered Hb andesite (hydrobreccis)		(0)		(0)		1_		ł		_	(O)		Δ)			- 1	<u> </u>	<u> </u>	\bot		\sqcup	_	1	_	1	-	1-	-	+		+				4	+ 43	H	Als: replacing Plant Gm
6	29	Chullcani	Alumitized Hb andesite		(0)		(0)			1.	-			(0)	10	Δ)		1		<u> </u>	0			\perp		14		\sqcup			+	+-+		1-1	의	- 4	121			-	Hb : opacitized, Guapitotaritic
62	244	Chullcani	Hb andesite		0		0			•	Ì		į	0					٠	<u> </u>	ļ			\sqcup		11	1	<u> </u>	+	1	_		+	┿	-	-	+++		+-		Ot ddiagaie, Gm : pilotmise
60	246	Chullerai	Ol basalt		-				Δ 📄				ì	0	_	10)	Δ		ᆚ_				1	_	1		11	<u> </u>	1		<u> </u>	_	++			+-+	+	4-	-	Gm : Sphembic, pertitic
6	256	Challesai	Aug-Hb-Bt andesite		0	0	0	0	T.	T - 1		1	1	Δ	<u> </u>	Δ	7 ·		٠	Δ	0							1		11	-	++		+ + +		+-	₩		+	-	Becased
6	257	Chulicani	Alumitized Hb andexite	11	(0)		(0)	ī	T		Ţ		i	(0)	(Δ)		Ш	Δ		<u></u>					11	_	<u> </u>	\perp	1		ﺒ		\rightarrow	의				+	-	Ala: replacing Gun
100	903	Challeani	Alunitized andesite		(0)		(0)		7				11	(O)	C	Δ)			_ !		0	-		<u> </u>	Ļ_	<u>↓</u> ↓		Щ.		11	_	1	_	 	의		++	-		-	All : separate Out
4	997	Sonia Susana	Altered aphyric andesite	İ					T	i	\Box			0			(0)		- 1		0	-		!]			_	\sqcup		-			의_			+	++		┿	-	
4	998	Sonia Susana	Altered andesite tuff	1			ī		\top			1									1	-	O And			1				.	- -						++	+	-	+	Marix : sawelded, varoclastic
1 .	38	Sonia Susana	B1 rhyolite pumice tuff											[<u> </u>	101	△ And Rhy		의		<u> </u>		이	-	<u></u>		- -		_+	-	+++	- 	+-	-	Marix : Tawribric Valocasia
5	013	Sonia Susana	Silicified andesim		(0)				Ţ	1				(O)			(0)	<u>'</u>	_ 1_	1	Δ	-		1-	<u> </u>	1-1	_	44			4	Δ		-		Δ	┿	_+	+	┼	ļ
5	917	Sonia Susana	Silicified volcanic sandstone	TT	\top			\Box	1			ļ.,								1_	<u> </u>		O And	Δ	- 0	44		1	_	Δ	-	Δ		++	-	4	┿	+	+	⊢	Gen : Selsatio
:13	929	Sonia Susana	Aphyric Bt rhyolite	\sqcap	T	(-)			T	T	Τ.		0				1					1			_ _			14	<u>.</u>	11		Δ	_	4-4			4		+	ļ	Gas : Setsitic
4	936	Sonia Susana	Altered aphysic rhyolite					1	7			0	(0)	(0)							1				_	<u> </u>			_	1	_	0		1 1		-	++			!	Cin.: Missisc
1 5	939	Sonia Susana	Btshyolite		Δ	Δ			T	T	- [0	0	0				<u> </u>		1	1					!!		11	_	\perp	_	Δ			-			• 1		-	
_		Sogia Susana	Altered danite lapilli tuff	<u> </u>	1		1		Τ'''										<u> [</u>				O And	1.	0	1		11		4	_	Δ	-	0		Δ		+	-	-	
		Sonis Susana	Altered andesite		0		Γ.		(A)) .				0			(0)) ;	Δ						_	1 1	_	44	_	1		-		4-4	4	<u> </u>	4	14	1	 —	
-4~-	\rightarrow	Sonia Sunana	Hb andesite	11	9	\vdash	0		(.) Δ	1															1 1		1			_ 4	1	-	1		÷	+		+	-	
		Sonia Suaana	Silicified andesite taff	\vdash	1	İ			7	11					Į								C) And	Δ	10	\rightarrow		$\perp \downarrow$		Δ		$\perp \perp$		\perp					-	-	
٠		Sosia Susana	Altered andesite tuff	11	+			\neg	1		Ţ	1			-	\neg							O And		0		_ _	$\perp \perp$				Δ		Ш		^_	-		1-	-	Gan, ; pilotantific
_	242	Sonia Susana	Tuffaceous sandalone	\top	\top	†			1	\Box					ĺ					7	L		O And, Rhy	Δ	C			<u> </u>		4			\perp		_	<u> </u>		-	┿-	ļ	
			Hy-Aug-Hh andesite	+	0		Δ	ΔίΔ	۷ ح	Δ				0	•	A 4	ΔΔ		Δ		T								\bot	1		11				<u> </u>	44		ᆚ	<u>ļ</u>	Hb; opacitized
			Ol-Aug-Hy-Hb andesite	+	0	\vdash	Δ	Δ	Δ			_	1	0	_	4	ΔΔ		-	•	0								_ _			1				_	44	_		1	Flow structure, GI: perlisic
٠.			Aug-Ho andesite	 	1	Ī	Δ	Δ		1	_	1		0		4	ΔΔ	П	Δ					1				$\perp \perp$						1			44		-	\vdash	The copacitized
			Ol-Aug-Hb andenig	11	0	1	Δ .	Δ	1	1-1	Ť	1		0	T	Δ Z	Δ		Δ	• [-						1 1	_ _	11		1		1		11		_	4	4	<u></u>	↓_	
-			Bt-Hb-Aug andesite	1	-	1 .	Δ	Δ	+	1-1				0		Δ	ΔΔ		Δ]						1 1		1		1	44			<u> </u>	ļ
-1-	——i		Hb-Bt rhyolite	ti	+-	Δ	Δ	\vdash	1	1-1	-		1			- !	Τ.	T		i	0							1			_	44			\sqcup	<u> </u> -	\perp	\perp	1	<u> </u>	Gl : perisis, microlife-rich
			Hb-Aug-Bt andenite welded tuff	+	1	+	 		+	-11	\top	\top			_		\top								C	0	ΔC) · [0		1					<u> :</u>	1:1	\vdash		1_	Manix : welded
			Br-Aug-Hb sadesite	1	0	(A)	0		\top	1.	\top	\top		0	一	Δ	Δ .	П	Δ	Δ	1						Ī	\prod			Δ						11		4_	Ļ	life : exyleonableade
		Carangas	Olbasali	++	⊢	1-7	† 		10.)	十	-		0		(0	iΔi	Δ	Τ.	Τ	\Box			\Box		1						·			<u> </u> :	لنا		<u></u>	1_	Gm: intergrounder
-		Culebura	B1 rhyolite	++	10		+	 	+	+-+	Δ	Δ	+	Δ	1			Τ	1.	Δ	0			1			T		1		Ĭ	i Ţ		1	1]			<u>i i</u>		į	Flow structure, Gan : cryptocrystal

[Leegad] © : Abundant O:Common A:Poor ::Rare

Als: absaire, And: andesite, Ap: apolite, Ang: sugist, Bi: bionite, Chi: calcite, Ch: chlorite, Ch: clay, Dac: dacite, Ep: epidote, Gi: glass, Gm: groundenana, Go: glass shared, Ci: gouthite, Hi: hornblende, Hm: hornalite, Hy: hypersthese, Ko: kaolinite, M: K-feldupen, Lo: loucomese, Mi: snagaetite, Oi: olivine, Pi: plagicolase, Pm: pumice, Py: pyrée, Rhy: chyolite, Qr: quarte, Se: aericht, Sm: amerite, Sph: aphese, Trit-Crit tridymite and/or cristohnite, Ze: woulde

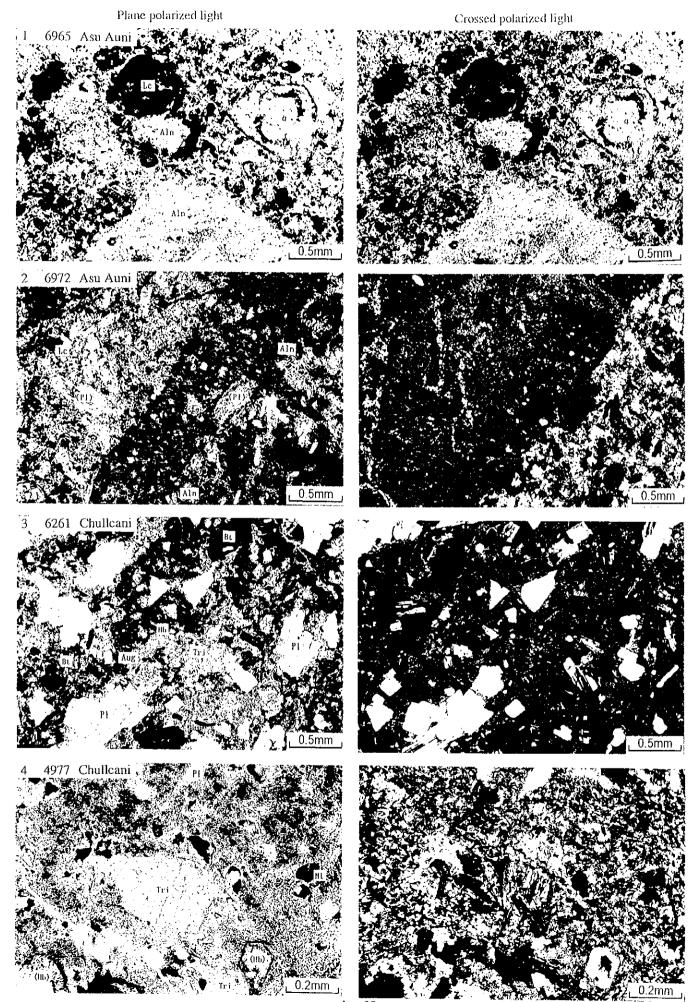
Appendix 2-2 Results of Microscopic Observations of Thin Sections (1)

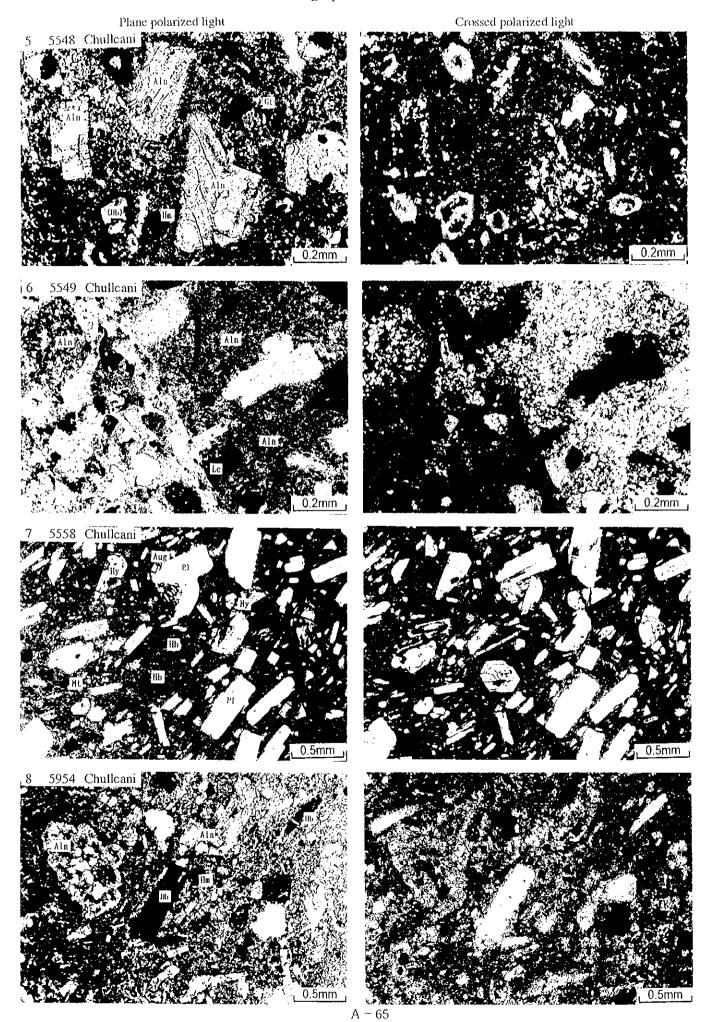
Г	T	T											Volcar	nic rock											Pyro	xclastic r	rock			Į												
No	Sampl	eļ L	ocating	Rock name				Phe	noary	751			\neg			G	round	mass				ヿ	Pm P	ock fragmen		Crysta	lings	exi	M	atrix					Alten	ntion mi	nc#13					Remarks
	No.			İ	Qz E	C P1	Bı	Нъ .	Aug	Ну	OL M	Sph	Ap (Oz Kr	Pi	Bt H	Ang	Ну	OI :	đi Αφ	(n-Cd	Gi	`	OCK Degines	Qz i	K£ PI	Bi E	lo Asu	Mr G		Qz 5	na Ch	Se	Ca) I	p K	Ala	Py (H Hes	Lc	Ap Tri	C Z	=
41	4996	Сu	Hebura	Aug-Ho andesite	T	7		0	Δ		-		\neg		0			П		Δ.	Δ	П	1	T	TT	i	П					T	1		Ī	- 1	T	T	П	\neg	1	Gm : Piletaxitie
4:	4990	Me	endoza	Bt-Hb dacite	Δ	0	Δ	Δ	i	-	1.	Δ	Δ	0 Δ	0		i –			. -		7				Ţ				\top		T									$\neg \vdash$	
4	4985	Me	endoza	Silicified andesite		0		- {	Δ)	:					0		0		,	Δ				1	T	T T					Δ	Δ			Δ		- 1		\Box	1	$\neg \neg$	Network-like silication
44	6346	Me	endoga	Bt rhyolite		Δ	(A)	T					-	0 Δ	Δ	Δ		\sqcap	十	\top		া	_	T		Ť					\neg	1	1			Til	-		П	-:	\neg	Flow structure:
45	6373	Me	endoza	Silicified Hb andesite		0		Δ	\neg	i		1			Δ		\top		\neg	-		9	1	†				Ħ			Δ.	T-	1.1	-1		Δ	_		H		_	Breccisted, Aln : very fine
44	4981	Par	nízo	Aug-Hy andesite		0			Δ	Δ		1			Δ		Δ	Δ				9	1	1						1 8		i		T	1			1		-	7	Ga: perlitic
4	4982	Pan	nizo	: Aug-Hy audesite		0			0	0	Δ.				0	T	IA	Δ	Δ	Δ		7		<u> </u>	1-1-		\vdash			1	-	Ť	i		Ť		_	_	1			Gm; intergrapular
42	4983	Pan	nizo	Alugitized and sails tuff							$\neg \vdash$			i			Ī					7	C	And	Δ	0	Η.				7	Ť		T	1	Δ	1/2			\forall	 	Porous
45	4984	Pan	nizo	Hb Bi-Aug-Hy andesite	\vdash	0	Δ	Δ	0	0	Δ				0		Δ	Δ	7			0					\vdash	17	_	1 1		1			1		-	. -		-		Gm: hyainpilitic
St	5712	Pan	nizo	Alunitized andesite tuff	<u> </u>	i	1	i			\neg									\top		7	C	And		Δ	1	1	Δ			1				0	_	\top	T		\neg	Ala: replacing matrix
51	4955	Pan	nizo	Hb-Bi-Hy-Aug andesite (dome)		0	Δ	.	0	Δ		1-1		 	0	-	0	1		2	i	┪					\sqcap	11	ij		$\neg \vdash$	1			\neg	1	1	1		1	-	Bearing Hb Aug And xepolith, Gua: intergrame
57	4957	Pan	nizo	Aug-Ho-Bt andesite		0	0	0	Δ	1	╡.	T			0	12	Δ		1	y .		0		1								1			1		-	\top				Hb : oxyberablende
53	4958	Pan	oìzo	BI-Hb andesite (dome)		0	0	(O)	\neg	i	1.				O.	12			_	.	Δ	o i		<u> </u>						П	\dashv	\top				1	i		1			Hb : wholly opacitized
54	4959	Pan	aizo	Bt rhyolite tuff		1			\neg	T	_			1		_	1			-		7	0 4	And, Tuff	0.4	ΔΔ		11	0				1			1	_†	-	1	_	\neg	Matrix : vitroclastic, unwelded
55	4960	Pan	oizo	Be rhyolite suff		 	-	-	-	\neg	1	Ħ	\dashv	 - 	1	\top	† -			+-	\vdash	T	ΔΔ	Rhy, And	o	Δ	Δ	1	0		_		† 	\dashv	1	1			-		_	Matrix : vitroclastic, unwelded
56	5487	Pan	nizo	Alunitized Hb andesite		(0)		(0)				╁═╌┆	-	1	0	十	(0)	- 	\vdash	_	H	\dashv	-	†	 	+=	1	11	_ <u> </u> _	\Box	Ť		1		0	0	72	·		-	_	PI : wholly knolinized
57	3912	Sail	ilica	Bt-Hb andesile		- +	Δ	(0)				\vdash	\neg	+		Δ Δ	T	T	\top		4	ᆀ	_	1		\top		1		11	14	ŤΤ	1		Ť	-		4	-+	+	+	Hb : wholly opacitized
58	4924	Sail	ilica	Bi-Hb andenile	$\overline{}$		Δ	0	+			+			ō	_	-	- †	+,		=	7			 -		\vdash	+			-	+-		- $+$	+	1	+-	+	一			
59	4961	Sail	ilica	Alunitized andezite lapilii tuff		+		1	\dashv	寸		t			 		-		- -			┰	10	And	1		-	+		1		+	-		+	0	1	,+;			+	Ale: very fiet
60	6706	Sail	itica	Hb-Aug-Hv andesite		0		0	,	ai	_	1		- † -	0		Δ	πì				<u>i</u> -	+-		-	+-	\vdash	+	_				 			++		++	r . †	-+-	+	Hb : wholly opacitized, Gm : intergranular
61	ļ	Sail		Allered Olbasalt	-	To	-		+		0) ·	1-1	\dashv	+	0	+=	Δ		م ا	7		+		 	 	-		+++		╁╌╂	10	+-	┼─┼			+++	+	+i	\vdash	+-	\pm	Gen : intergenular
ď.	2038	Sait	tica	Bt-Hb dacite	Δ	0	0	0			-	Δ		,		Δ. Δ	-					┪	+		 			+	i	H	+	+				: 1	+	+-	-+	+	 -	Ifo ; wholly opacitized
63	4927	Sail	lica	Hb-Bt andezite		0	0	0	\dashv			-		+	0		ΙΔ.	_	٠,		Δ	ᅿ	+	-	\vdash	+	\dashv	+		1	1	;			7	1 1	+	+	一	÷	$-\dot{+}$	
6-1	2011	Lux	xsac i	Aug-Hy-Hb andesite	-	0	-		Δİ	Δ	+-	╁╌╁	_	+	0	+-	_	_				╗		<u> </u>	 	+		+		H		i	+-+		- j -	 	+	+		+		Hb: with opacite rim
65	_	Luc		Hb-Aug-Hy andesite	-	10				-	Δ	╆	_	╁	0		Δ				Δ	+		1	-	+		+			+-	+	: :	+	+-	 -	-}.	++	一十	÷	+	
	2188	Lux	X3ar	Hb-Aug-Hy andesite (dome)	-	10				ŏ †	Δ	+-+	-	+	0	+		Δ		7	Δ	÷		 	 -			+			-+-	+	1 1	-		╁╌┼	╌	+	\dashv	+	+	Ho : with opacite rim
67	2825	Lux	XSBr	Spherulitic rhyolite	$\overline{}$	10	(-)	_	T	- +		Ħİ					 	-	+-	-		ot			 	+		+		-		+-	1		+-		12	+	- +	-	-+-	Flow structure, GI : pertitic
68	2167	Sed	lilla	Hy-Aug-Hb andesite		0	-		Δ	$\overline{\Delta}$		Ħ		1	0		Δ			+		4		 				+	 -	-		+	+	\dashv	i	++		Δ	_+	+	-	Hb : with opacite rim
	2170	Sed		Bt-Aug-Hy-Hb andesite (dome)					<u>- </u>	_	 -	+-+	-	+	0		Δ	<u>_</u>	+^		-		+	+	\vdash	+	+	1	÷	1	+	 	\vdash	+	+-	 - 	+-	1-3	+		+	Hb: oxyhorableade
70		Sed		Aug-Hy-Hb andesite		10				—- <u>-</u> -	 	++	-i -		0		Δ		+		-	-‡-	-	 		+-;	\vdash	++		\vdash	+	1	\vdash	\dashv	+			1	+	-+-	+	Hb : oxyhorablende, Gra : intergranular
7,	3256	-		BI-Ho andesite	-i -		0		_	- 	+-	++	÷	+	Δ		-	Δ			Δ	<u> </u>		 	 			+++				+	-		\div	 					- -	Bb : wholly opecitized, Gm : hyelopilitie
72		₩-		Ol basail	-i	+	\vdash	``,	+		0	++		+-	0		1		Δ : Δ			- †	+	1	 	1-1	+	++	-		+	+	1 1	-+		-	-+-	+	+	+	+	Gm : intergrapular
73	4922	Sedi		Hb-Aug-Hy andesite	<u> </u>	0		Δ	-	0	- A	+ +	+	╫	0	1.	Δ	Δ,	3 ; 2	+-	Δ		+	-	-	+	1	++	_	+		-	-	-	+-	H	12	+				Porous, Hb : cayborableade
_	2137	Sed			_	(0)		(O)	-	- -	- 4		+	+-	(0)	10		- -	+	÷	Δ	╬	+	 						⊢ ⊦	+	<u> </u>	! !	-10		-+	_;_		+	-	-	т окив, тар : схудогариевое
75	2139	Sedi		Alumitized Hb dacite null breezia		100)		(0)	+	+	+	-+	+	1	(U)	10	1				Δ.	 -	 	Dac, And	Δ	(4)	(0) (0	+	+			<u>^</u>			Δ		- 2	Δ Δ	+	12	4	n
76	2145	Sedi			Δ	(0)		(O)	, +	0	+		+		(0)	+						0		D4C, 7430	Δ	(6)	KOI KO	*	-+-			+	 	-	Δ		<u> </u>	-		+	+	Porous
77	2807	Sed		Alunitized Hb dacite lapilli tuff	4	(0)		0	4	4	1 1	+	+	+	0	. .	1-1	+	+	+	Δ	¥⊦		Dac	0	(0)	·C	++	0	╌╌┼		1	1	+	+	Δ	· · · · · · · · · · · · · · · · · · ·	4	+	÷	+	Рогош
78	2881	Sedi		Silicified dacite suff brecoix		10	Δ;	-	-	-+	- 	╁╌┼		+	9		┼┤		+	+-	44	- -		Dec, And		0			10	-	<u> </u>	+	 -		Δ	U			-+	-		P
79	3258	Sedi				-	-+		-		- !	\vdash	+	-		+-	+	1	+-	-			10	DEC, AM	Δ	0	4	+		╌╢	0:	+	 			├ ─├	. 4	44	<u></u>	+	-	Porous
80				Bt-Hb andesite	1		Δ		+	- -	+-	 			0	Δ	+ +	+	14	<u> </u>		_}_		 	 -			++	-	1 #		 	Δ	3	+-	\vdash		4-4	_		<u>. </u>	Flow structure, Hb : wholly opacitized
60	4906	Sedi	htla į	Hb-Brgz dacite	Δ	0	0	(A)		_ !_	٠.	!!	ŀ		Δ	$\Delta \mid \Delta$			- 1 '	1 - :		@ [- 1	i '		1 1	- 1			1 1	į	1	4	5	i	1	.	1		I	- 1	Ho: wholly opacitized, Gm: byalopilitic

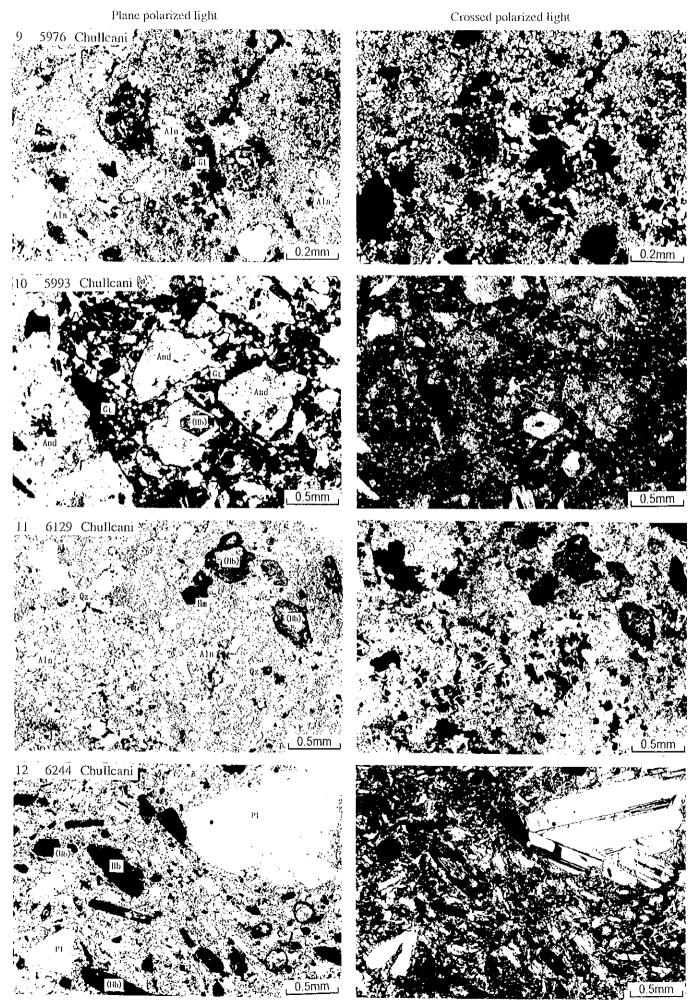
(Legend) ⊚: Abundant O:Common △:Poor ·:Rare

Alm: alunite, And: andesite, Ap: apatite, Aug: sugite, Br: biotite, Cal: calcite, Ch: chlorite, Cl: clay, Dac: dacite, Ep: epidote, Gl: glass, Cm: groundmass, Cs: glass shard, Gr: goethite, Ho: homblende, Hm: hemstite, Hy: bypersthene, Ka: knolinite, Kf: K-feldspar, Lc: leucorene, Mr: magnetite, Ol: olivine, Pl: plagioclase, Pm: puntice, Py: pyrite, Rhy: rhyolite, Qz: quartz, Se: sericite, Sm: susceite, Sph: sphene, Tri-Cri: gridymite and/or cristobalite, Ze: zeolite

			4

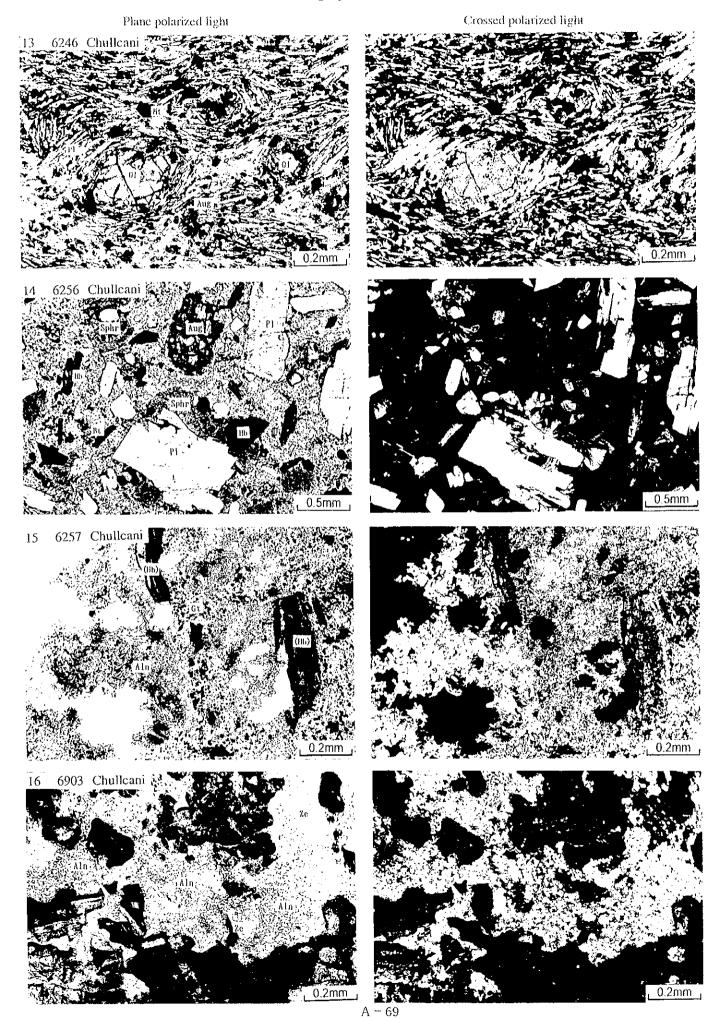


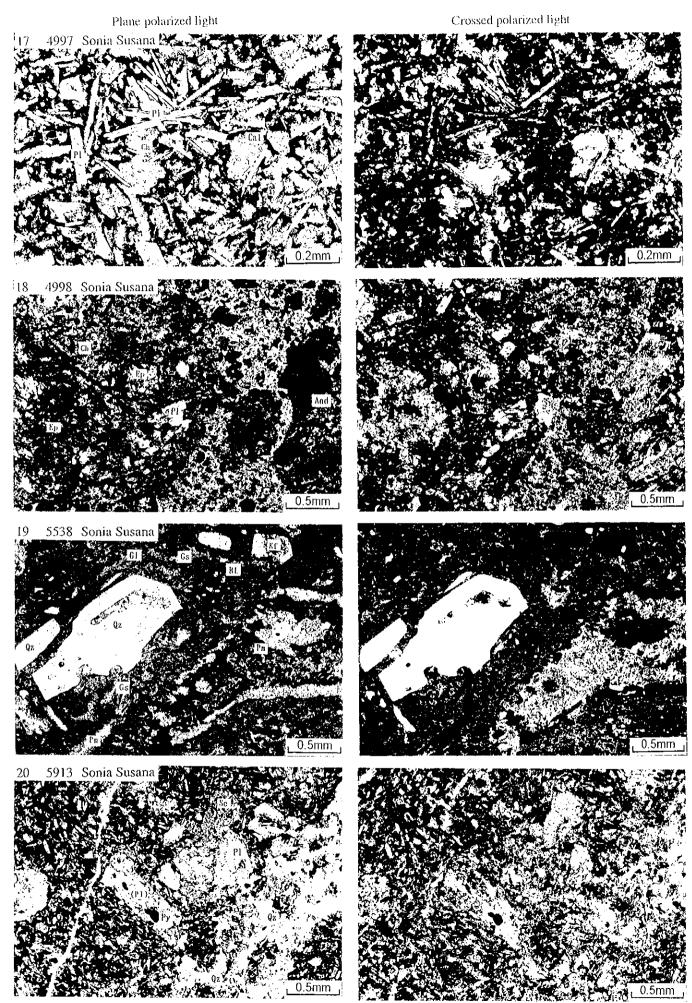




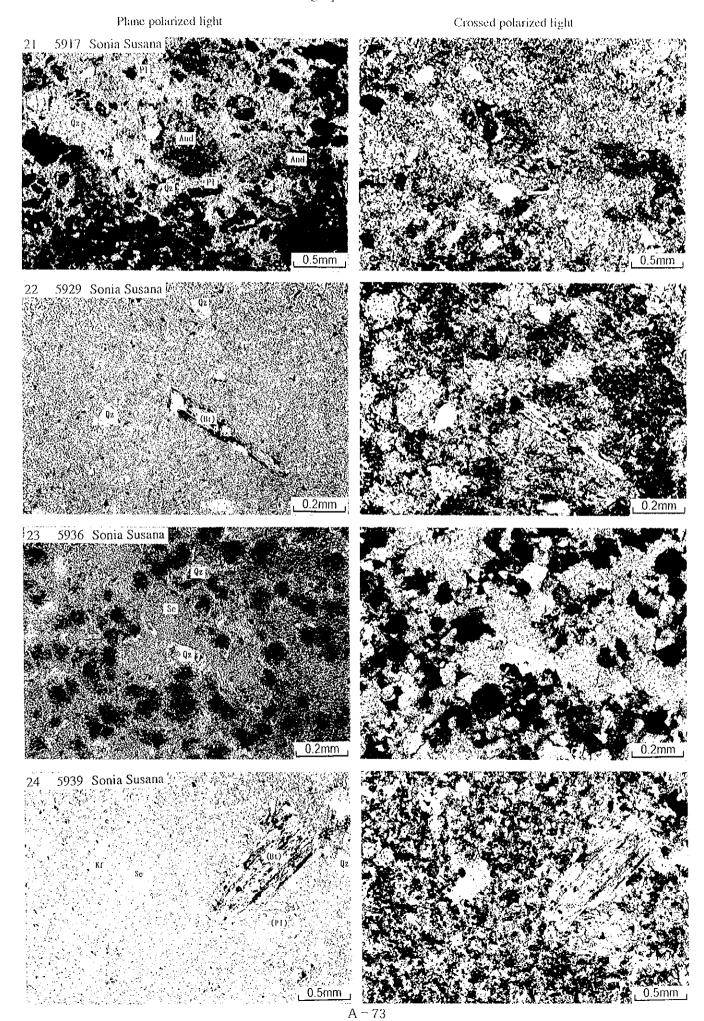
A = 67

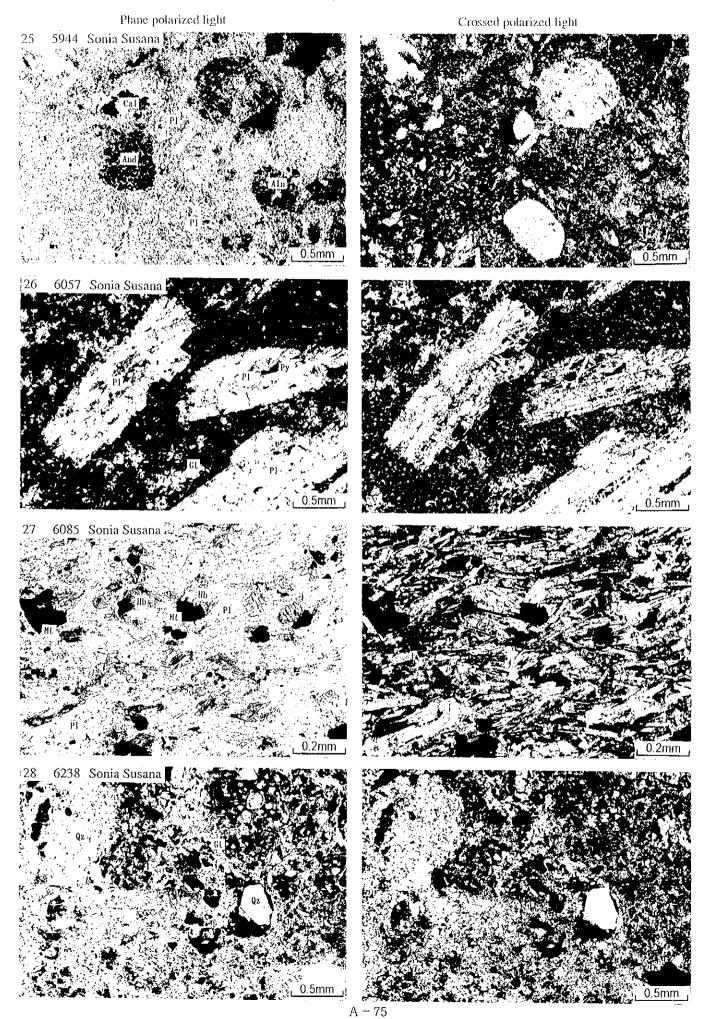


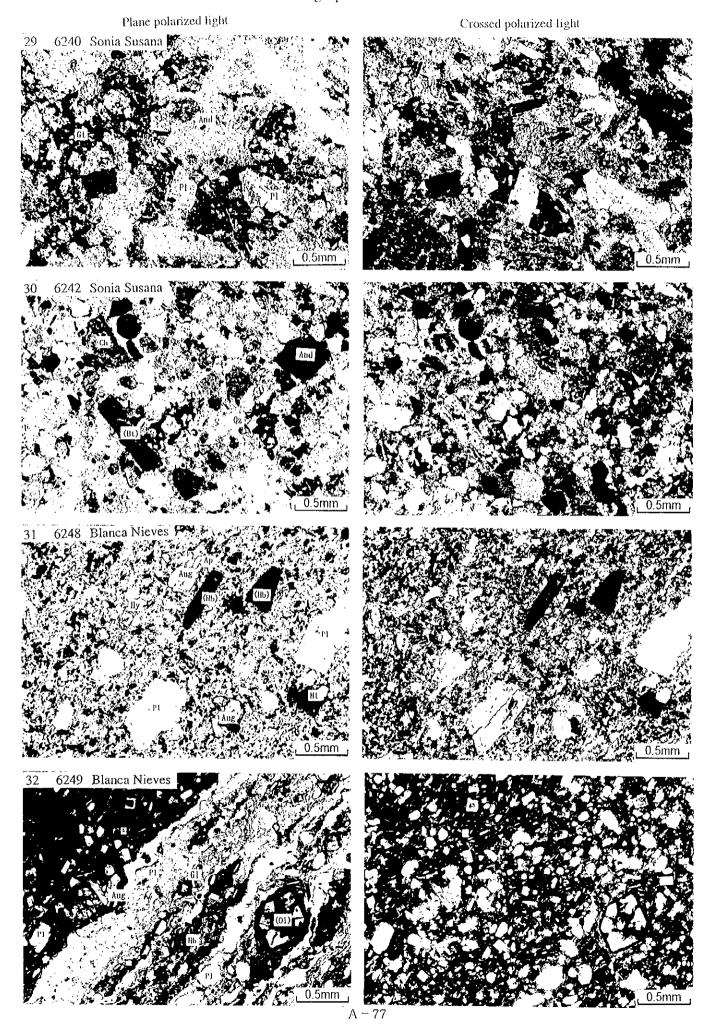


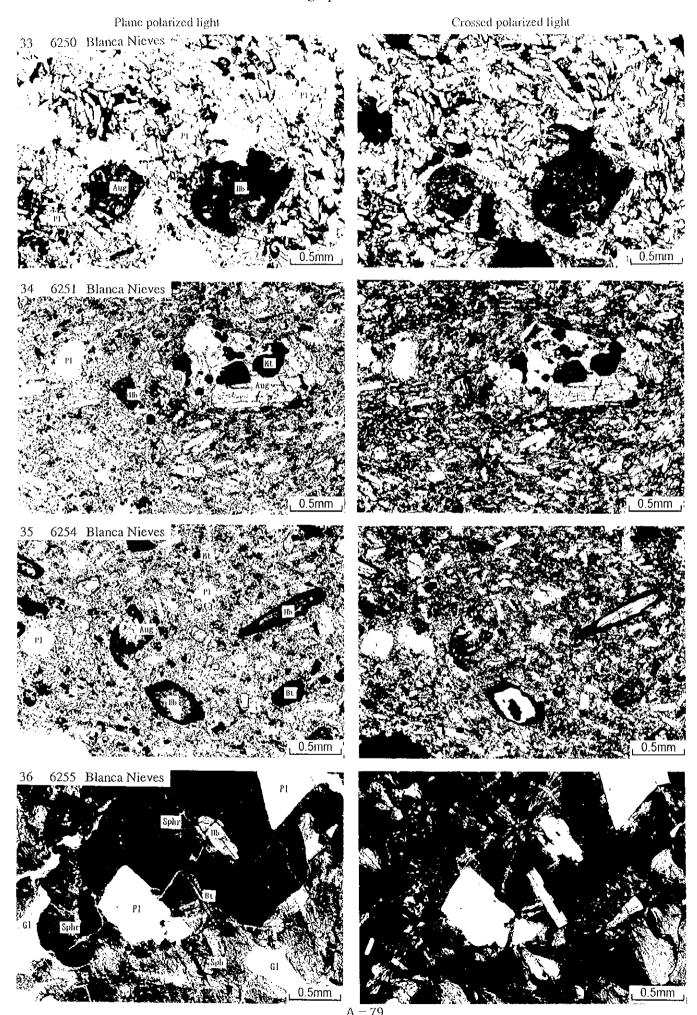


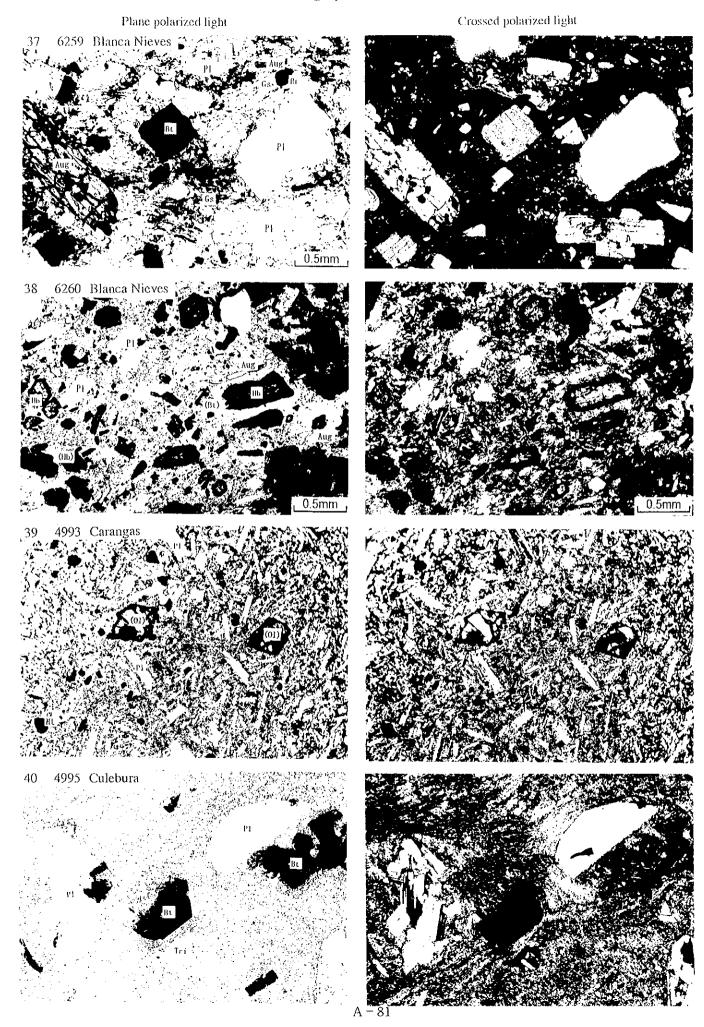




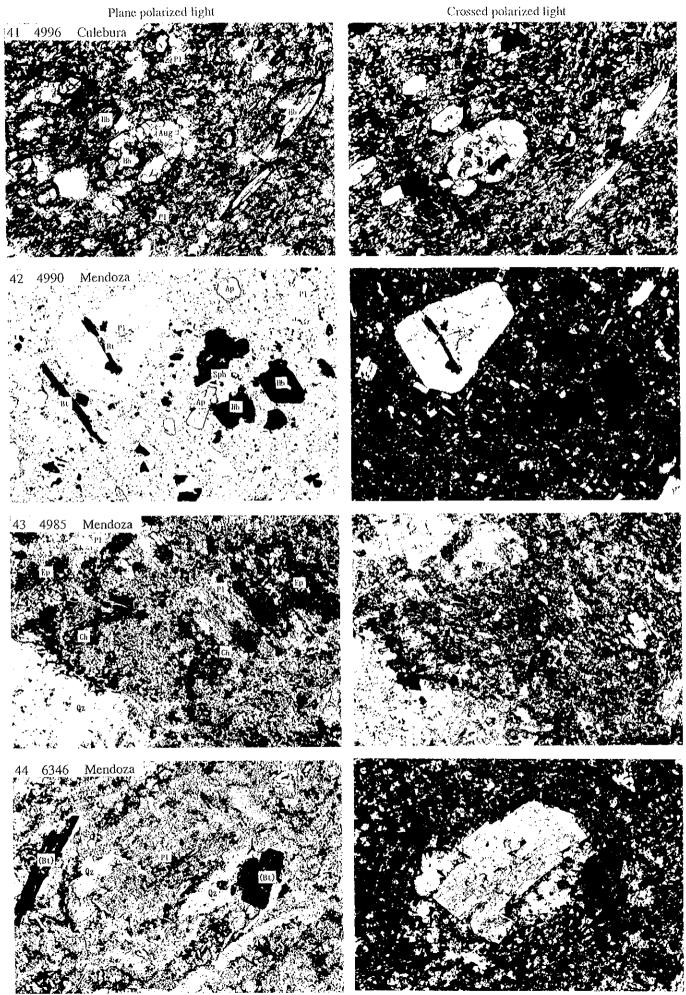


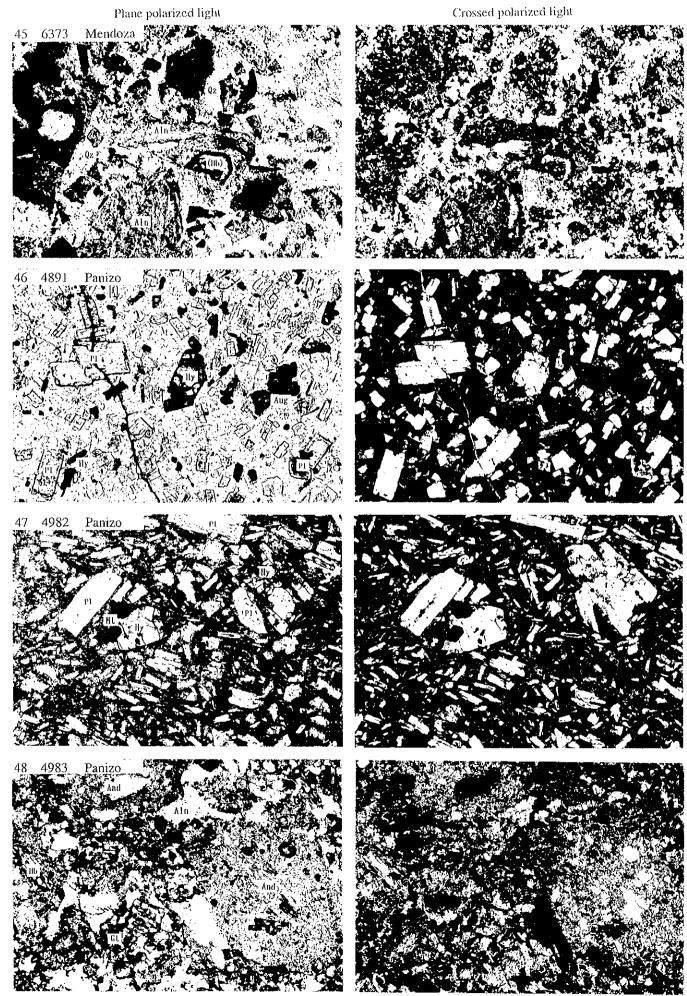






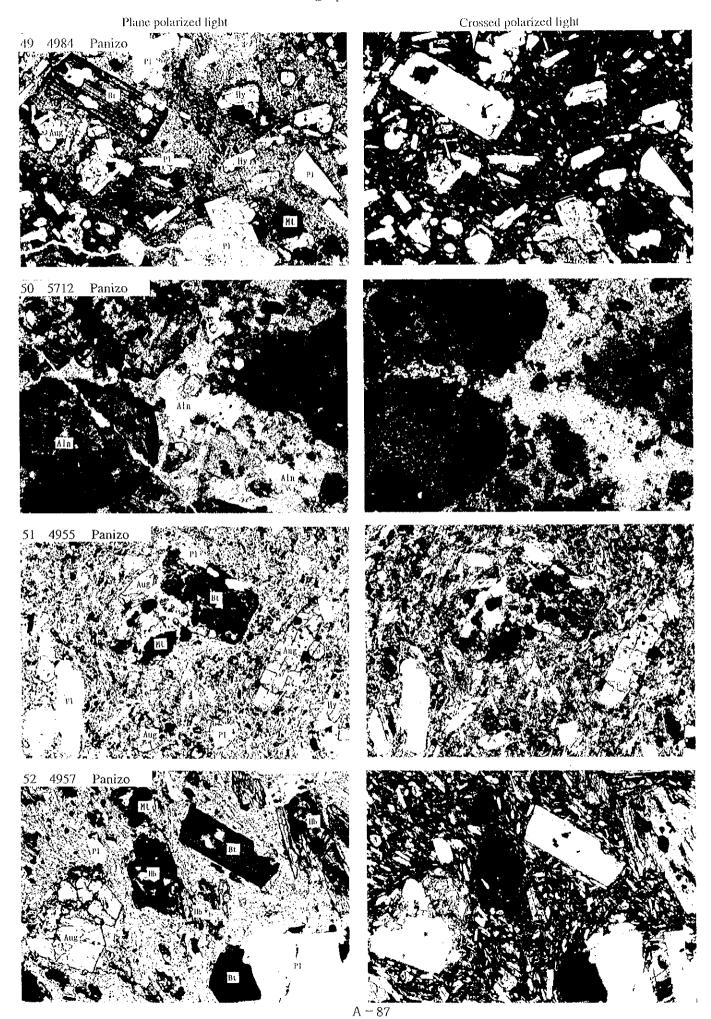




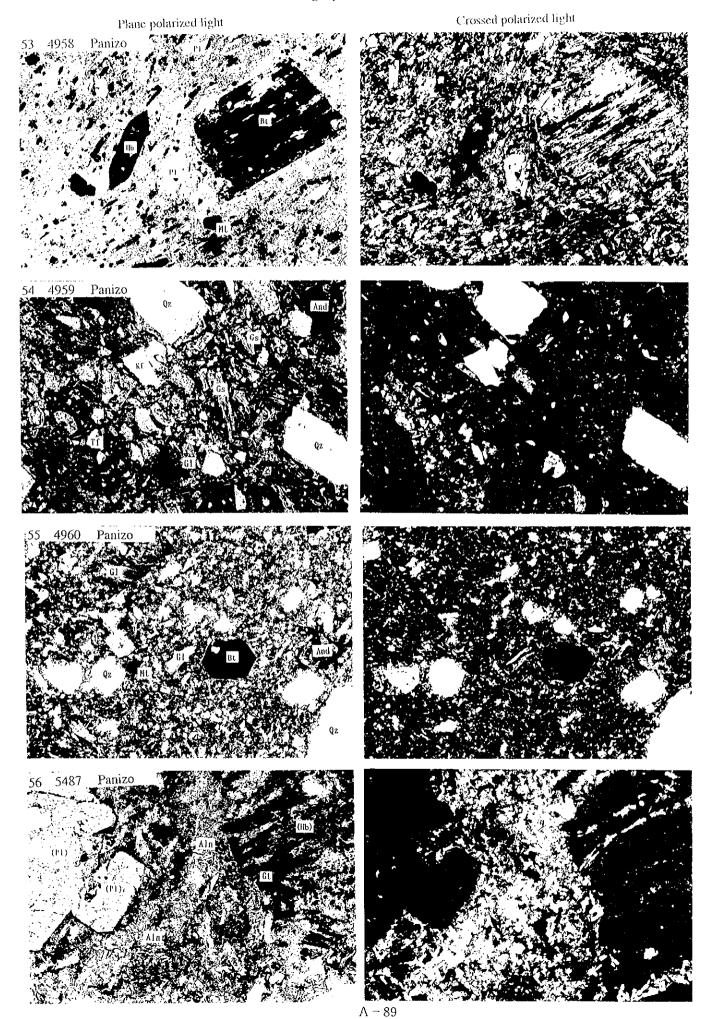


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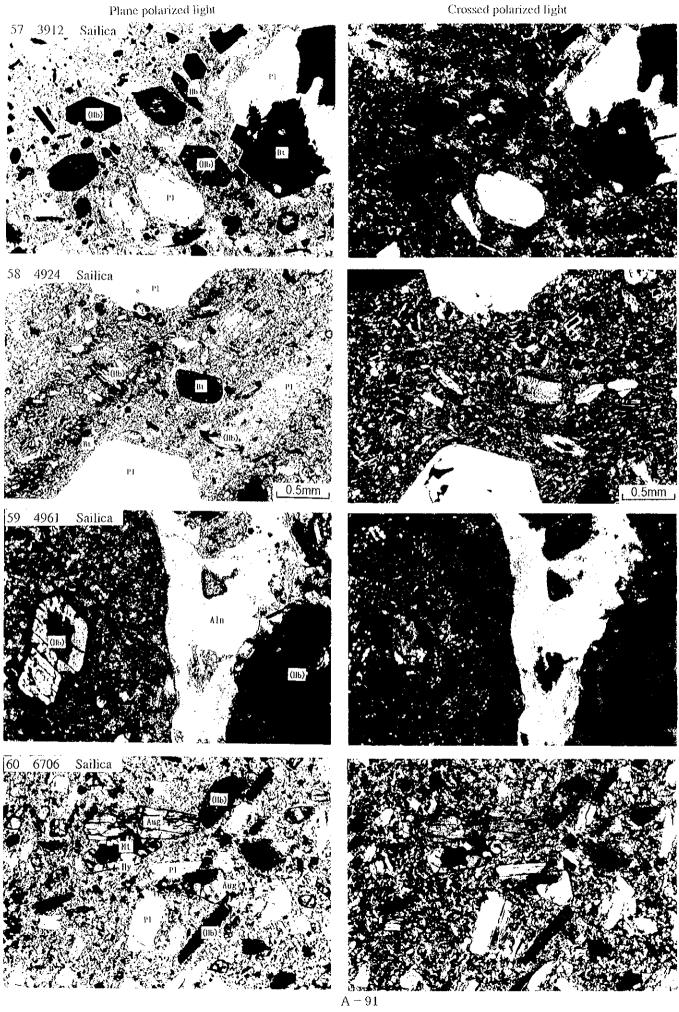




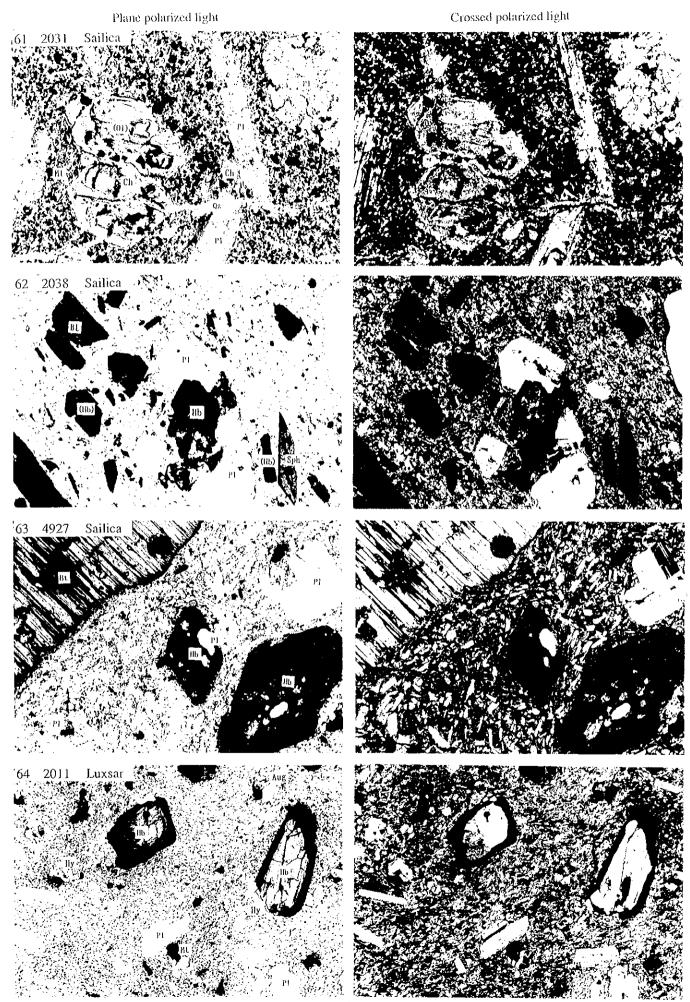




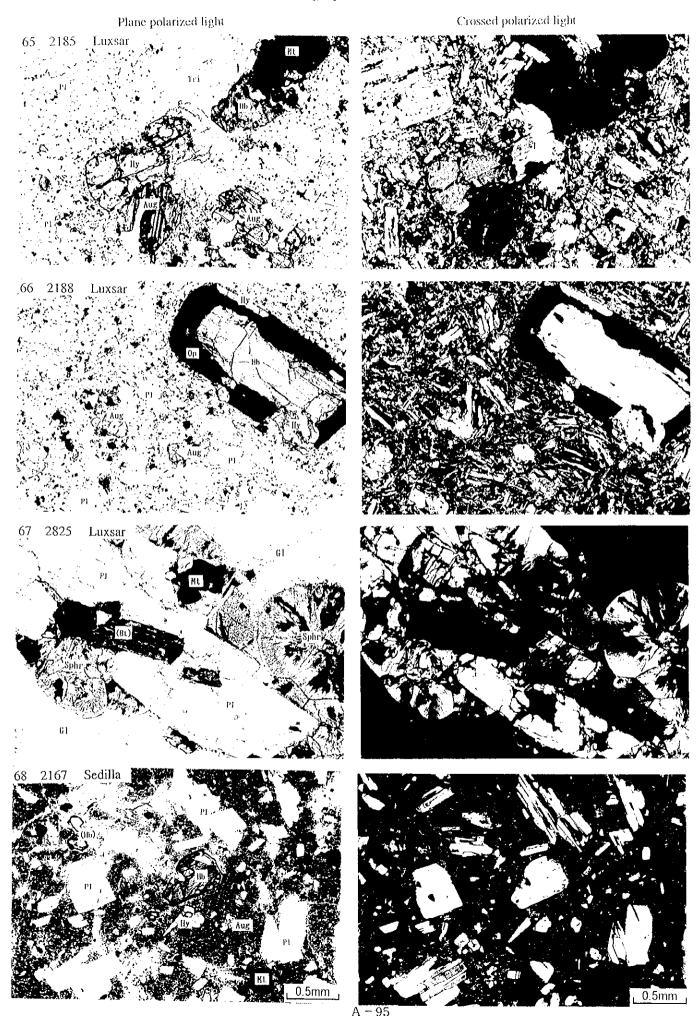


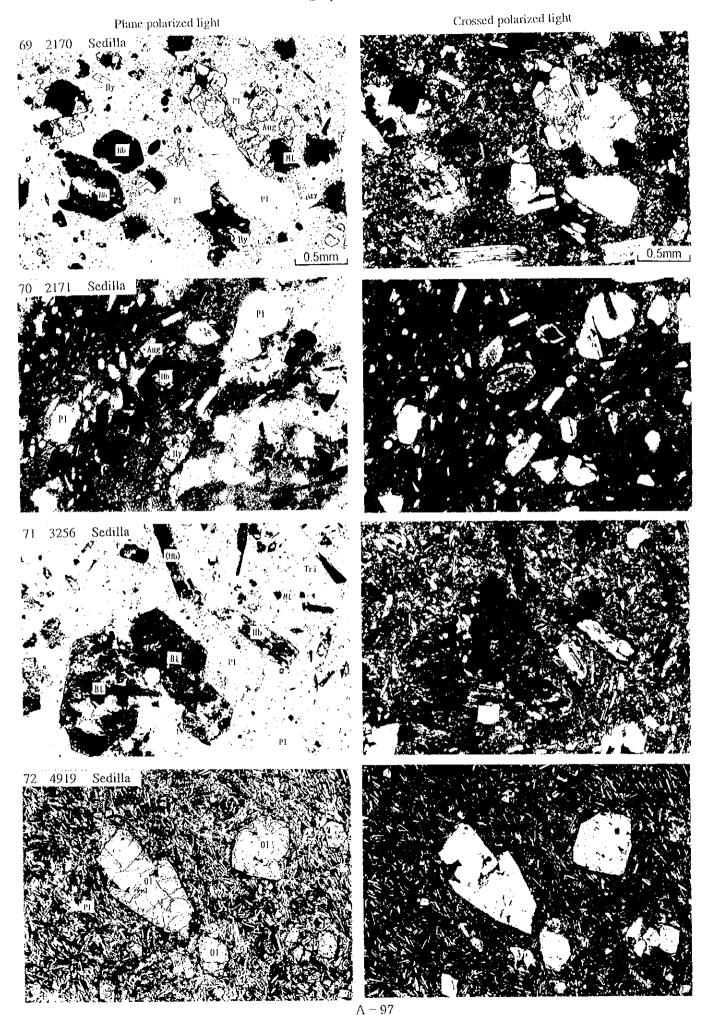




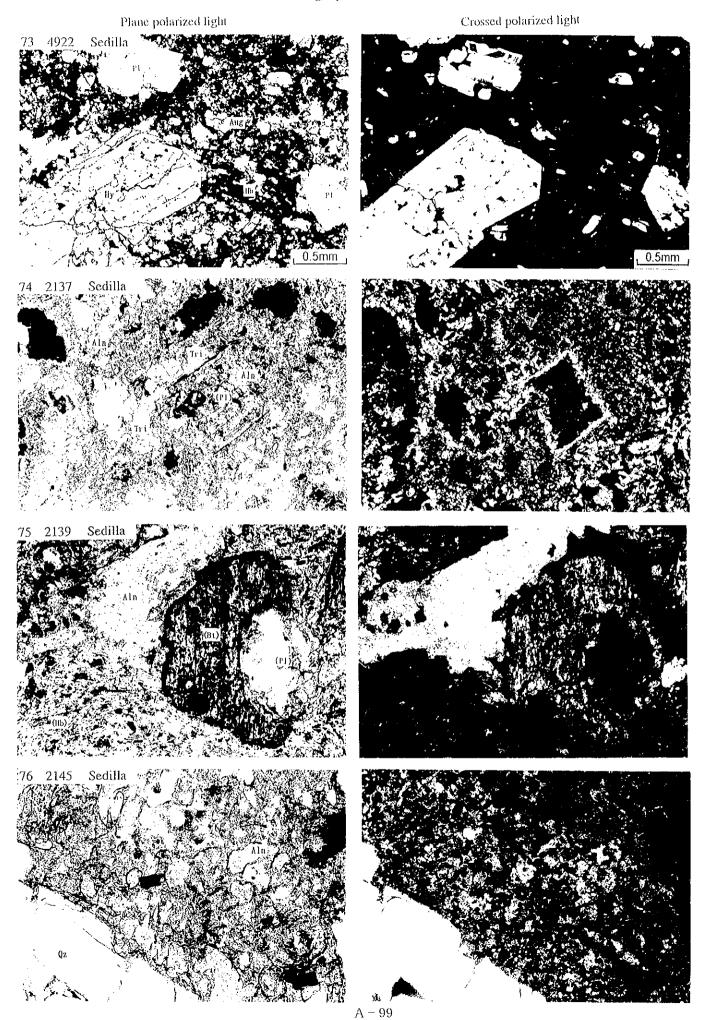


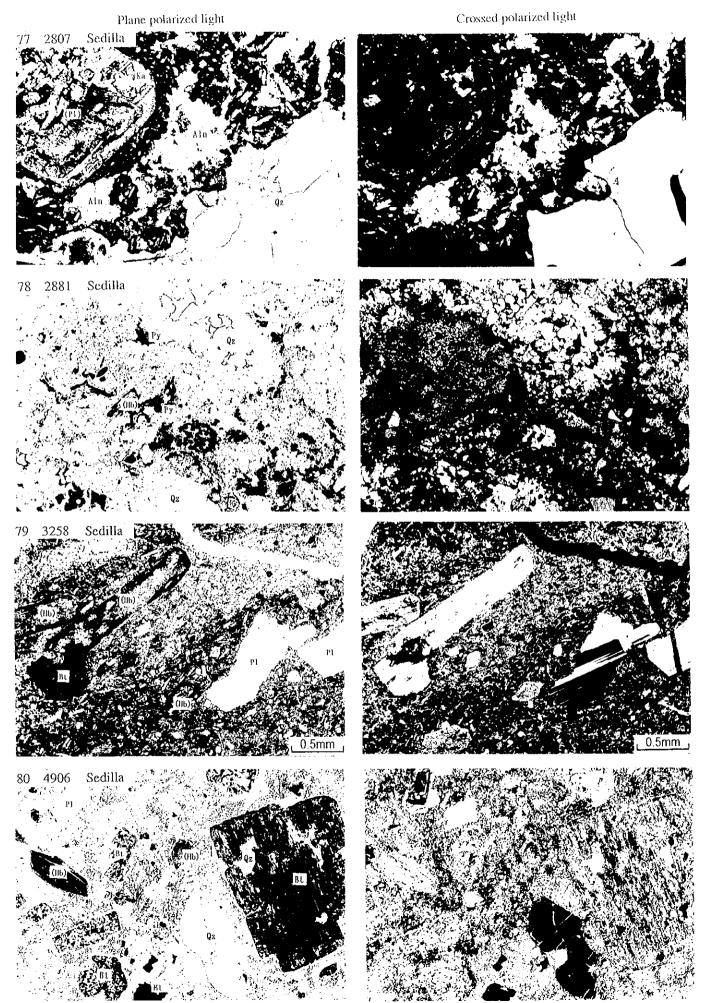
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