

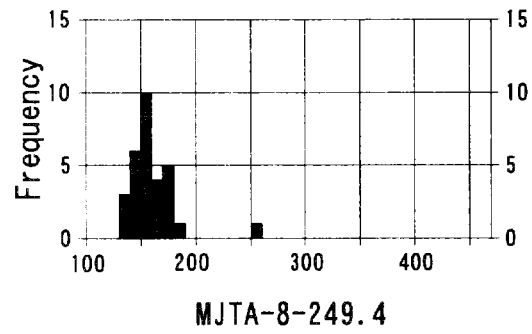
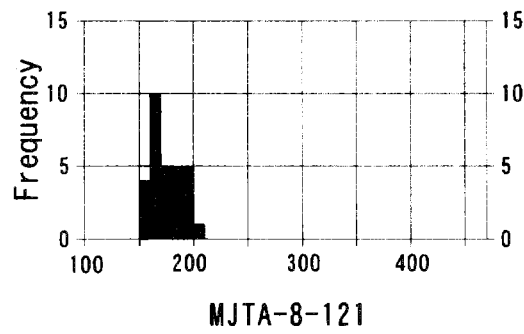
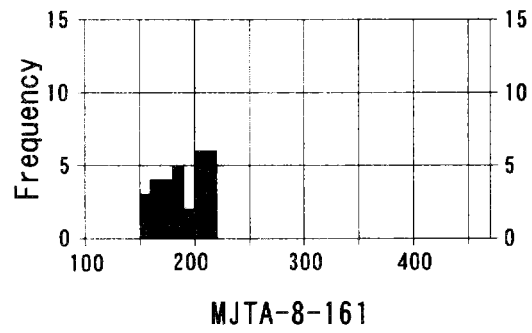
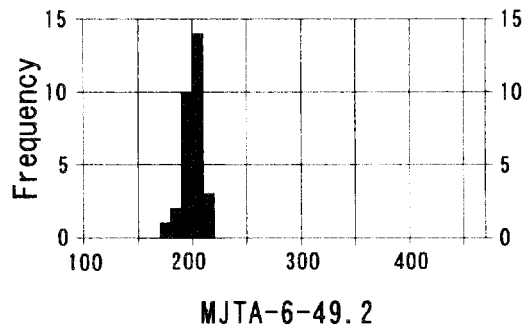
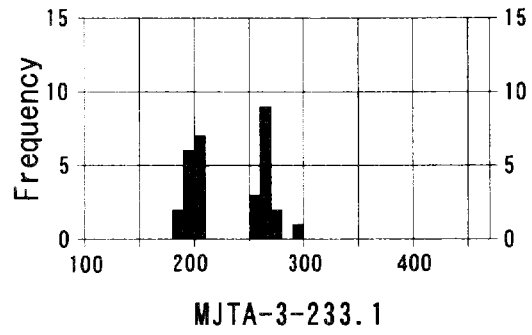
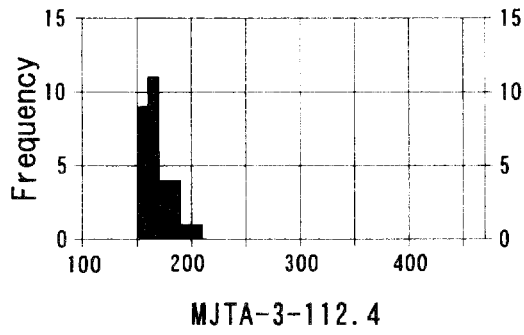
Appendix 10 (1) Homogenization Temperature and Salinity of fluid inclusion

No.	MJTA-3-112.4		MJTA-3-233.1		MJTA-6-49.2		MJTA-8-121.0		MJTA-8-249.4		MJTA-8-161.0	
	H.T. (°C)	Salinity (wt%NaCl)	H.T. (°C)	Salinity (wt%NaCl)	H.T. (°C)	Salinity (wt%NaCl)	H.T. (°C)	Salinity (wt%NaCl)	H.T. (°C)	Salinity (wt%NaCl)	H.T. (°C)	Salinity (wt%NaCl)
1	145		177		163		146		125		146	-17.6
2	145		178	-4.6	176	-14.4	146		127	-4.6	147	
3	145	-18.4	184	-4.3	178		147		129	-4.7	148	
4	145		185		180		148	-20.5	132	-5.0	155	
5	145	-4.8	186	-18.9	181		150		135	-4.2	156	
6	145	-20.0	187		182	-4.8	152	-24.1	135		158	
7	148	-16.5	188		184		154		135		159	
8	148	-16.7	189		184		155		137		162	-15.6
9	149		190		185		156	-4.9	139		166	
10	150	-18.1	190		185	-9.6	156		140		166	-17.7
11	151	-17.6	191		186		156		140		166	
12	151		193		187		158		140		174	
13	152	-16.6	194		188	-11.0	158		144		175	
14	153		194		190	-6.2	159		144		175	
15	154		195		190		162		144		177	
16	156		244		190		162	-17.5	146	-24.6	178	-18.2
17	156	-8.0	248		192		166	-22.0	147		180	-20.0
18	157		249	-4.7	192		167		148		188	
19	157		250	-4.8	193		169		148	-24.3	190	-16.4
20	158		250	-4.4	193	-9.6	175	-5.0	151		191	-19.0
21	160		252	-4.6	194		175		154	-18.4	192	
22	162		252		194	-10.4	177		155		194	
23	164		254		195	-7.6	178	-25.0	156		195	-18.6
24	167		255	-24.0	195	-19.5	179		160	-16.6	195	
25	170	-5.3	256		196	-10.1	180		161	-16.2	200	
26	171		256		196		183		165		200	
27	173		257	-5.0	196		184		166	-18.0	202	-23.0
28	176		261	-5.1	200		185	-18.6	168		206	
29	185		264		203		188	-16.7	172		207	-21.0
30	194		283		207		192	-4.6	240		207	

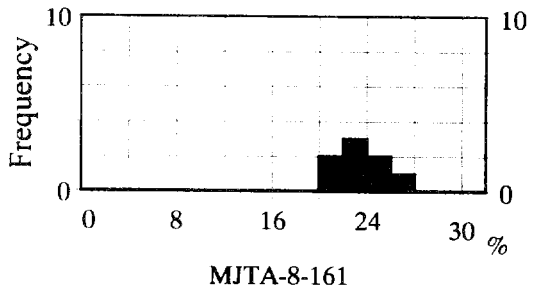
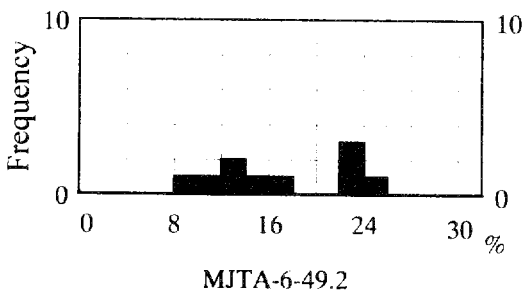
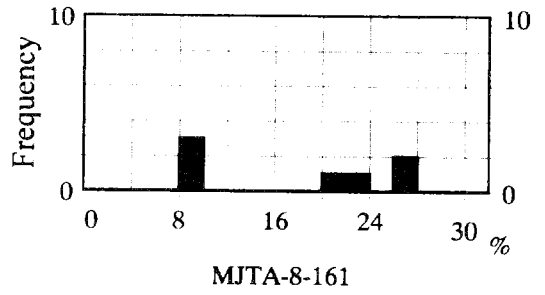
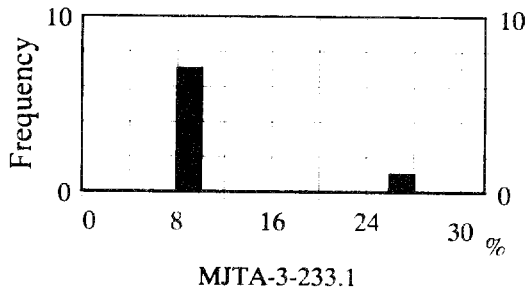
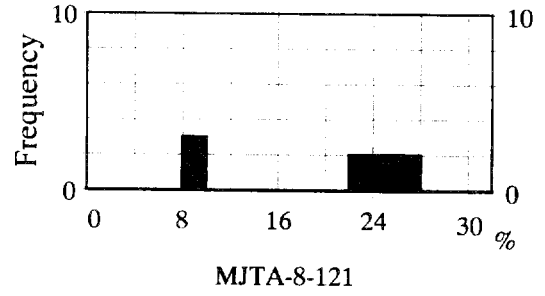
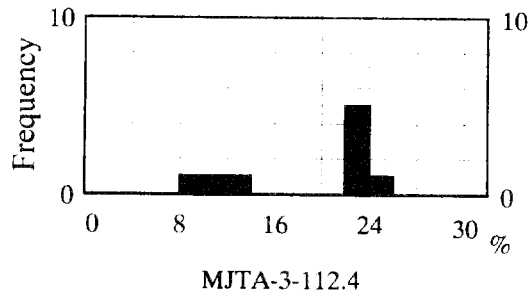
Abbreviation: H.T. : Homogenization Temperature

Appendix 10 (2) Homogenization Temperature of fluid inclusion

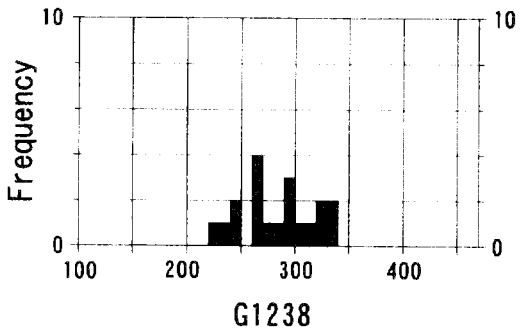
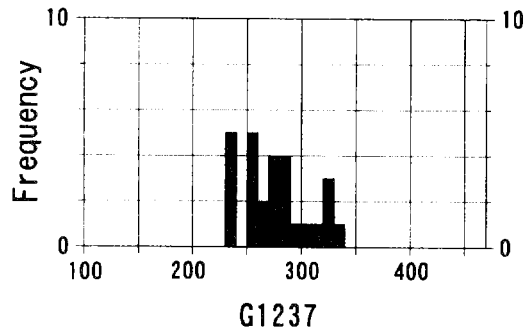
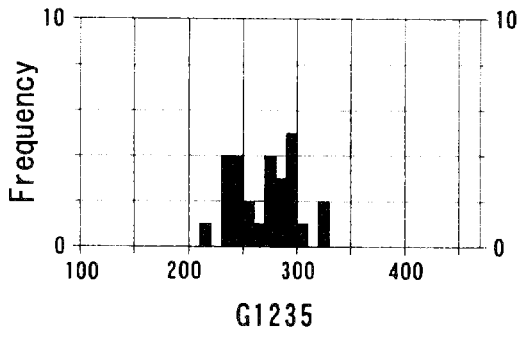
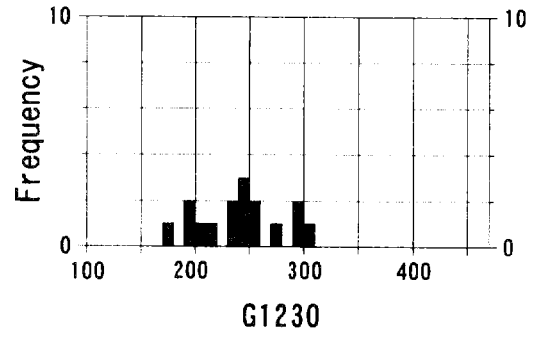
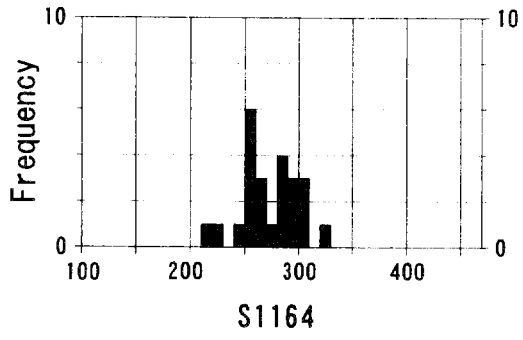
Ser. No.	Sample name	Prospect name	Description of sample	Number	Homogenization Temperature (°C)			
					Range	Average	σ	
1	MJTA-3-112.4	Zalturbulak	Quartz vein	30	145-194	157.7	12.5	145.0
2	MJTA-3-233.1	Zalturbulak	Quartz vein network	30	177-283	221.7	35.0	190.0
3	MJTA-6-49.2	Akmola	Quartz vein network	30	163-207	189.2	8.7	190.0
4	MJTA-8-121.0	Akmola	Quartz vein network	30	146-192	165.4	13.9	156.0
5	MJTA-8-249.4	Akmola	Quartz vein network	30	125-240	149.4	21.2	135.0
6	MJTA-8-161.0	Akmola	Quartz vein network	30	146-207	178.5	19.3	166.0



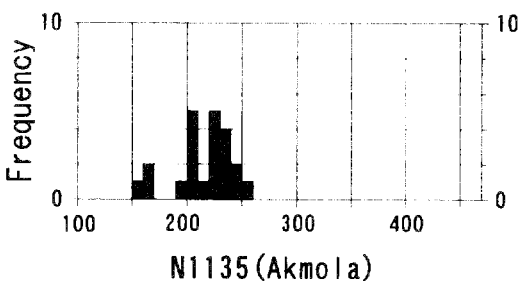
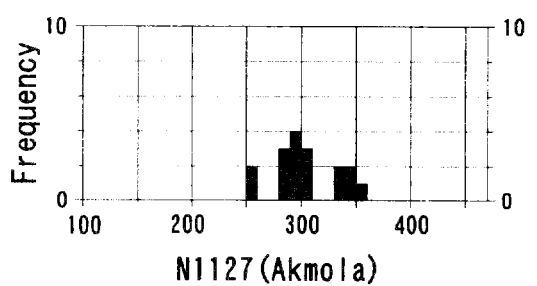
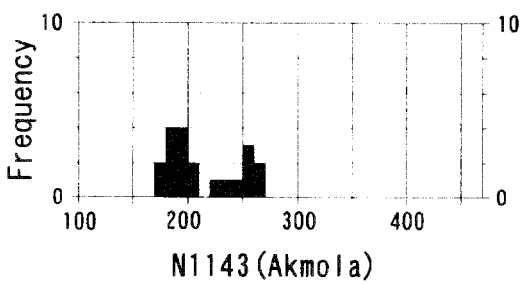
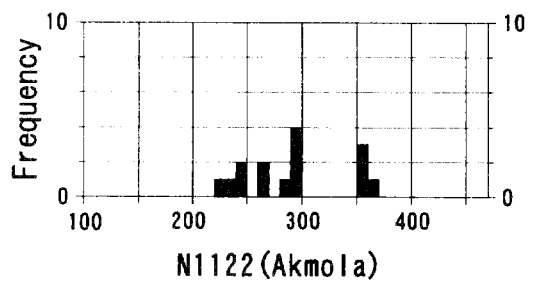
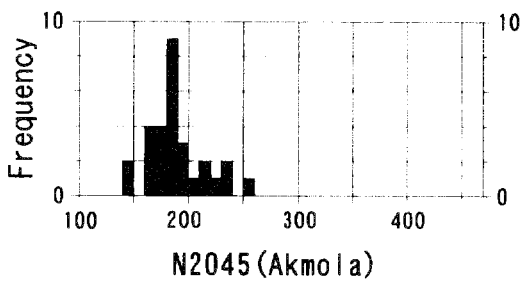
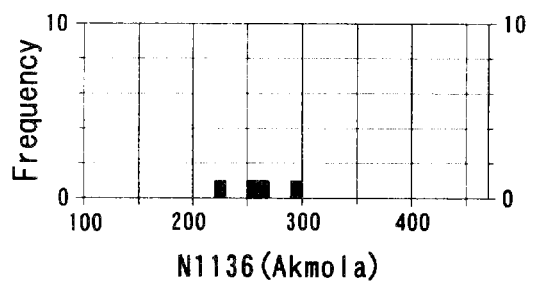
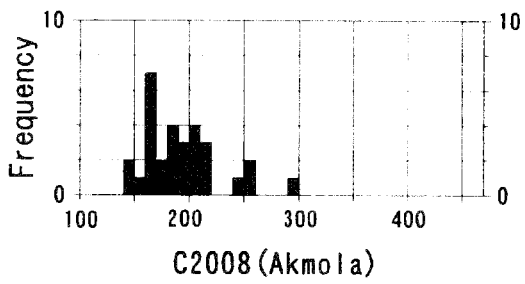
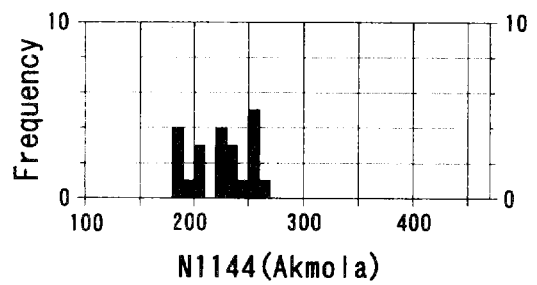
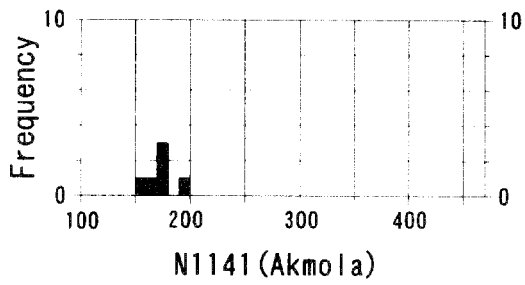
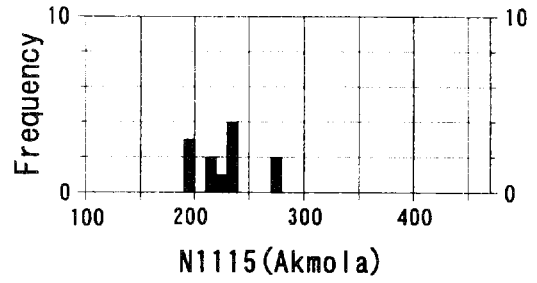
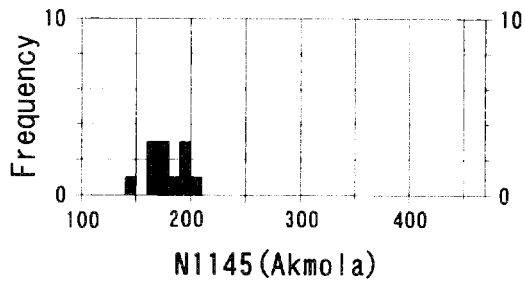
Appendix 10(3) Fluid inclusion data



Appendix 10(4) Fluid inclusion data(Salinity:Histogram)



Appendix 10(5) Phase I&II fluid inclusion data (Zalturbulak area)



Appendix 10(6) Phase I&II fluid inclusion data(Akmola area)

Appendix 11 K-Ar Dating of Intrusive Rocks

No.	Sample No.	Area	Method	Description	Potassium (K wt%)	Rad. 40Ar (10 ⁻⁸ cc/g)	K-Ar Age (Ma)	Rad. 40Ar (%)	Air Cont. (%)
1	MJTA-9-102	Akmola	K-Ar Whole Rock	Altered granite	3.32 3.33	5.78 5.99	406±20	97.9 98.2	2.1 1.8
2	A-3003	Zalturbulak	K-Ar Whole Rock	Bt. Hb. granodiorite	3.77 3.77	4.8 4.58	295±15	98.7 98.2	1.3 1.8
3	A-3006	Zalturbulak	K-Ar Whole Rock	Bt. Hb. granodiorite	2.69 2.68	3.29 3.44	297±15	97.2 97	2.8 3
4	A-3007	Zalturbulak	K-Ar Whole Rock	Hb. Bt. granite	2.58 2.57	3.6 3.6	328±16	98.1 96.4	1.9 3.6
5	A-3008	Akmola	K-Ar Whole Rock	Bt. Hb. granodiorite	2.41 2.41	3.22 3.31	319±16	97.7 98.3	2.3 1.7

Location : Ref. Fig. I -3-3-3