Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (7)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK181	Sarymsak	0.20	shale	0.005	0.3	20	<70	<10
SAK182	Sarymsak	0.20	hornfels	<0.005	0.4	20	<70	<10
SAK183	Sarymsak	0.20	hornfels	<0.005	0.4	200	120	<10
SAK184	Manka Bulak	0.25	limestone, siltstone	<0.005	0.3	30	<70	<10
SAK185	Manka Bulak	0.25	limestone, siltstone	<0.005	0.3	30	<70	<10
SAK186	Manka Bulak	0.20	granite	<0.005	0.3	40	<70	<10
SAK187	Manka Bulak	0.15	granite	<0.005	0.5	30	<70	<10
SAK188	Manka Bulak	0.20	hornfels, marble	<0.005	0.3	30	<70	<10
SAK189	Manka Bulak	0.20	hornfels, marble	0.012	0.4	200	<70	<10
SAK190	Manka Bulak	0.20	hornfels	<0.005	0.4	150	<70	<10
SAK191	Manka Bulak	0.20	hornfels	<0.005	0.3	50	<70	<10
SAK192	Manka Bulak	0.20	hornfels	<0.005	0.5	40	<70	<10
SAK193	Manka Bulak	0.20	hornfels	<0.005	1.5	30	<70	50
SAK194	Tashty	0.20	sandstone	0.005	0.4	20	<70	<10
SAK195	Tashty	0.20	hornfels	<0.005	1.2	120	120	<10
SAK196	Tashty	0.20	hornfels	0.007	0.3	20	70	<10
SAK197	Tashty	0.20	hornfels	<0.005	1.2	120	70	<10
SAK198	Tashty	0.20	hornfels	<0.005	1.5	30	<70	<10
SAK199	Tashty	0.20	hornfels	<0.005	0.3	30	<70	<10
SAK200	Tashty	0.20	sandstone, limestone	<0.005	0.3	50	<70	<10
SAK201	Tashty	0.20	granite	<0.005	0.3	40	<70	<10
SAK202	Tashty	0.20	granite	<0.005	<0.3	30	<70	<10
SAK203	Tashty	0.20	hornfels	<0.005	<0.3	12	90	<10
SAK204	Tashty	0.20	hornfels	<0.005	<0.3	30	<70	<10
SAK205	Tashty	0.20	hornfels	<0.005	<0.3	20	<70	<10
SAK206	Tashty	0.20	granite	<0.005	<0.3	30	<70	<10
SAK207	Tashty	0.25	granite	<0.005	<0.3	20	<70	<10
SAK208	Tashty	0.20	granite	<0.005	<0.3	20	<70	<10
SAK209	Tashty	0.20	granite	<0.005	<0.3	20	<70	<10
SAK210	Tashty	0.20	granite	<0.005	<0.3	20	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (8)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK211	Tashty	0.20	granite	<0.005	<0.3	20	<70	<10
SAK212	Tashty	0.20	granite	<0.005	<0.3	20	<70	<10
SAK213	Tashty	0.20	granite	<0.005	0.3	30	<70	<10
SAK214	Tashty	0.20	granite	<0.005	0.3	20	<70	<10
SAK215	Tashty	0.20	granite	<0.005	<0.3	20	<70	<10
SAK216	Tashty	0.25	sandstone	<0.005	0.3	20	<70	<10
SAK217	Tashty	0.20	hornfels	<0.005	0.3	20	<70	<10
SAK218	Tashty	0.20	hornfels, granite	<0.005	0.3	20	<70	<10
SAK219	Tashty	0.20	granite	<0.005	0.3	20	<70	<10
SAK220	Chetin	0.20	granite, hornfels	<0.005	<0.3	20	<70	<10
SAK221	Chetin	0.25	granite	<0.005	0.3	30	<70	<10
SAK222	Chetin	0.20	hornfels	<0.005	<0.3	30	<70	<10
SAK223	Chetin	0.20	granite	<0.005	0.3	30	<70	<10
SAK224	Chetin	0.20	hornfels	<0.005	0.3	30	<70	<10
SAK225	Chetin	0.20	granite	<0.005	<0.3	20	<70	<10
SAK226	Chetin	0.20	granite, hornfels	<0.005	0.3	20	<70	<10
SAK227	Chetin	0.20	granite, hornfels	<0.005	<0.3	20	<70	<10
SAK228	Chetin	0.20	granite	0.020	<0.3	20	<70	<10
SAK229	Chetin	0.20	granite	<0.005	0.3	20	<70	<10
SAK230	Chetin	0.20	granite	<0.005	<0.3	20	<70	<10
SAK231	Chetin	0.20	granite	<0.005	<0.3	20	<70	<10
SAK232	Chetin	0.20	granite	<0.005	0.3	70	70	<10
SAK233	Chetin	0.20	hornfels	<0.005	0.3	20	<70	<10
SAK234	Chetin	0.20	hornfels - fracture	<0.005	0.3	400	<70	<10
SAK235	Chetin	0.20	granite	<0.005	0.3	20	<70	<10
SAK236	Chetin	0.20	granite	<0.005	0.3	20	<70	<10
SAK237	Chetin	0.20	granite	<0.005	0.5	20	<70	<10
SAK238	Chetin	0.20	granite	<0.005	0.7	40	<70	<10
SAK239	Chetin	0.20	granite	<0.005	0.4	20	<70	<10
SAK240	Chetin	0.20	granite	<0.005	0.3	20	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (9)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK241	Chetin	0.20	granite	<0.005	0.4	20	<70	<10
SAK242	Chetin	0.20	granite	<0.005	0.3	30	<70	<10
SAK243	Chetin	0.20	granite	<0.005	0.3	20	<70	<10
SAK244	Chetin	0.20	granite	<0.005	0.3	20	<70	<10
SAK245	Chetin	0.20	granite	<0.005	0.3	30	<70	<10
SAK246	Chetin	0.15	hornfels	<0.005	0.5	30	<70	<10
SAK247	Chetin	0.20	granite, hornfels	<0.005	0.4	30	<70	<10
SAK248	Chetin	0.30	sandstone	<0.005	0.3	30	<70	<10
SAK249	Chetin	0.20	shale	<0.005	0.3	300	200	<10
SAK250	Kumyshtag River north	0.20	hornfels	<0.005	0.9	70	90	<10
SAK251	Kumyshtag River north	0.20	hornfels	<0.005	0.3	90	<70	<10
SAK252	Kumyshtag River north	0.20	hornfels	0.040	1.5	200	<70	<10
SAK253	Kumyshtag River north	0.20	hornfels	<0.005	0.3	30	<70	<10
SAK254	Kumyshtag River north	0.20	granite	0.007	0.3	30	<70	<10
SAK255	Kumyshtag River north	0.20	granite	<0.005	0.5	30	<70	<10
SAK256	Kumyshtag River north	0.25	granite	<0.005	0.4	30	<70	<10
SAK257	Kumyshtag River north	0.20	granite	<0.005	0.3	20	<70	<10
SAK258	Kumyshtag River north	0.20	granite	0.007	0.3	20	<70	<10
SAK259	Kumyshtag River north	0.20	hornfels	<0.005	<0.3	20	<70	<10
SAK260	Kumyshtag River north	0.20	shale	<0.005	<0.3	70	<70	<10
SAK261	Kumyshtag River north	0.20	shale	<0.005	0.4	70	<70	<10
SAK262	Kumyshtag River north	0.20	shale	0.070	0.3	90	<70	<10
SAK263	Kumyshtag River north	0.20	siltstone	<0.005	0.3	150	<70	<10
SAK264	Kumyshtag River north	0.20	siltstone	0.030	0.7	120	<70	<10
SAK265	Kumyshtag River north	0.20	hornfels	<0.005	0.3	120	<70	<10
SAK266	Kumyshtag River north	0.20	hornfels	<0.005	0.4	40	<70	<10
SAK267	Kumyshtag River north	0.20	hornfels	<0.005	0.5	400	<70	<10
SAK268	Kumyshtag River north	0.20	hornfels	<0.005	0.3	300	<70	<10
SAK269	Kumyshtag River north	0.20	granite	<0.005	0.5	120	<70	<10
SAK270	Kumyshtag River north	0.20	granite	0.005	<0.3	40	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (10)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK271	Kumyshtag River north	0.20	granite	<0.005	0.3	20	<70	<10
SAK272	Kumyshtag River north	0.20	granite	0.007	<0.3	20	<70	<10
SAK273	Kumyshtag River north	0.20	granite	0.015	0.4	50	<70	<10
SAK274	Kumyshtag River north	0.20	granite	0.009	0.4	40	<70	<10
SAK275	Kumyshtag River north	0.20	hornfels	0.015	0.3	50	<70	<10
SAK276	Kumyshtag River north	0.20	hornfels	<0.005	0.4	40	<70	<10
SAK277	Kumyshtag River north	0.20	granite	0.012	0.3	30	<70	<10
SAK278	Kumyshtag River north	0.20	granite	0.007	0.7	30	<70	<10
SAK279	Kumyshtag River north	0.20	granite	0.009	0.3	30	<70	<10
SAK280	Kumyshtag River north	0.20	granite	0.009	0.3	30	<70	<10
SAK281	Kumyshtag River north	0.20	granite	<0.005	0.3	40	<70	<10
SAK282	Kumyshtag River north	0.20	granite	<0.005	0.3	30	<70	<10
SAK283	Kumyshtag River north	0.20	hornfels	<0.005	1.2	40	<70	<10
SAK284	Kumyshtag River north	0.20	hornfels	<0.005	1.2	150	<70	<10
SAK285	Kumyshtag River north	0.20	hornfels	0.012	0.5	90	<70	<10
SAK286	Kumyshtag River north	0.20	hornfels	0.007	0.9	50	<70	<10
SAK287	Kumyshtag River north	0.20	hornfels	<0.005	0.7	150	<70	<10
SAK288	Kumyshtag River north	0.20	hornfels	<0.005	0.7	70	<70	<10
SAK289	Kumyshtag River north	0.20	granite	<0.005	0.3	30	<70	<10
SAK290	Kumyshtag River north	0.20	granite	<0.005	0.3	20	<70	<10
SAK291	Kumyshtag River north	0.20	granite	<0.005	0.3	20	<70	<10
SAK292	Kumyshtag River north	0.20	hornfels	<0.005	0.4	150	90	<10
SAK293	Kumyshtag River north	0.20	hornfels	<0.005	0.3	120	70	<10
SAK294	Kumyshtag River north	0.20	hornfels	<0.005	0.7	150	<70	<10
SAK295	Kumyshtag River north	0.20	hornfels	0.005	0.3	120	<70	<10
SAK296	Kumyshtag River north	0.20	hornfels	<0.005	0.9	200	120	<10
SAK297	Kumyshtag River north	0.20	hornfels	<0.005	0.4	30	<70	<10
SAK298	Kumyshtag River north	0.20	hornfels	<0.005	0.5	300	90	<10
SAK299	Kumyshtag River north	0.20	hornfels	<0.005	0.4	50	<70	<10
SAK300	Kumyshtag River north	0.20	hornfels	0.030	0.7	300	500	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (11)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK301	Shyraldzhyn	0.20	granite	<0.005	0.3	30	<70	<10
SAK302	Shyraldzhyn	0.20	granite	<0.005	0.3	30	<70	<10
SAK303	Shyraldzhyn	0.20	granite	0.005	0.3	20	<70	<10
SAK304	Shyraldzhyn	0.30	granite, hornfels	0.012	0.3	50	<70	<10
SAK305	Shyraldzhyn	0.25	hornfels	<0.005	0.3	90	<70	<10
SAK306	Shyraldzhyn	0.25	granite	0.007	0.3	90	<70	<10
SAK307	Shyraldzhyn	0.30	granite	<0.005	0.3	50	<70	<10
SAK308	Shyraldzhyn	0.20	granite	<0.005	0.3	30	<70	<10
SAK309	Shyraldzhyn	0.20	granite	<0.005	<0.3	50	<70	<10
SAK310	Shyraldzhyn	0.20	granite	<0.005	0.5	40	<70	<10
SAK311	Shyraldzhyn	0.25	granite	<0.005	0.5	40	<70	<10
SAK312	Shyraldzhyn	0.20	granite	<0.005	0.7	40	<70	<10
SAK313	Shyraldzhyn	0.20	granite	0.015	0.7	300	<70	<10
SAK314	Shyraldzhyn	0.20	granite	0.012	0.7	120	<70	<10
SAK315	Shyraldzhyn	0.20	granite	0.009	0.9	120	<70	<10
SAK316	Shyraldzhyn	0.20	granite	0.005	0.3	70	<70	<10
SAK317	Shyraldzhyn	0.20	hornfels	0.200	0.3	150	<70	<10
SAK318	Shyraldzhyn	0.20	hornfels	0.012	0.3	90	300	<10
SAK319	Shyraldzhyn	0.25	hornfels	<0.005	0.3	70	<70	<10
SAK320	Shyraldzhyn	0.20	hornfels	0.030	1.5	120	500	<10
SAK321	Shyraldzhyn	0.20	hornfels	0.009	1.5	200	90	<10
SAK322	Shyraldzhyn	0.20	hornfels	0.012	1.5	400	300	<10
SAK323	Chong Kongur Dyobe	0.20	hornfels	0.007	3.0	200	500	<10
SAK324	Chong Kongur Dyobe	0.20	hornfels	0.009	1.5	200	120	<10
SAK325	Chong Kongur Dyobe	0.20	sandstone, siltstone	<0.005	1.2	120	<70	<10
SAK326	Chong Kongur Dyobe	0.20	sandstone, siltstone	<0.005	1.5	90	<70	<10
SAK327	Chong Kongur Dyobe	0.20	sandstone, siltstone	<0.005	2.0	40	<70	<10
SAK328	Chong Kongur Dyobe	0.25	hornfels	<0.005	2.0	300	300	<10
SAK329	Chong Kongur Dyobe	0.25	hornfels	0.005	1.2	150	500	<10
SAK330	Chong Kongur Dyobe	0.20	hornfels	0.003	4.0	150	700	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (12)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK331	Chong Kongur Dyobe	0.25	hornfels	0.007	3.0	200	1,200	<10
SAK332	Uchimcheck	0.20	hornfels	0.005	1.5	150	500	<10
SAK333	Uchimcheck	0.25	hornfels	0.005	2.0	150	500	<10
SAK334	Chong Kongur Dyobe	0.20	sandstone, siltstone	0.009	0.9	40	<70	<10
SAK335	Chong Kongur Dyobe	0.20	sandstone, shale, limestone	0.007	3.0	90	200	<10
SAK336	Chong Kongur Dyobe	0.20	limestone, shale	0.005	0.9	50	90	<10
SAK337	Chong Kongur Dyobe	0.20	limestone, shale	0.005	7.0	90	120	50
SAK338	Chong Kongur Dyobe	0.20	hornfels	0.012	12.0	150	300	120
SAK339	Chong Kongur Dyobe	0.20	hornfels	<0.005	0.9	40	<70	<10
SAK340	Shyraldzhyn	0.20	hornfels	0.005	1.2	200	400	<10
SAK341	Uchimcheck	0.20	hornfels	<0.005	0.9	70	<70	<10
SAK342	Uchimcheck	0.20	hornfels	0.007	5.0	90	500	<10
SAK343	Uchimcheck	0.20	hornfels	<0.005	0.5	70	<70	<10
SAK344	Uchimcheck	0.20	hornfels	0.012	30.0	150	150	<10
SAK345	Uchimcheck	0.20	hornfels	0.009	0.7	40	120	<10
SAK346	Shyraldzhyn	0.20	hornfels	0.009	1.2	200	150	<10
SAK347	Shyraldzhyn	0.20	hornfels	0.012	1.2	120	700	<10
SAK348	Shyraldzhyn	0.20	hornfels	0.009	12.0	400	300	<10
SAK349	Shyraldzhyn	0.20	hornfels	0.007	0.9	120	70	<10
SAK350	Shyraldzhyn	0.20	hornfels	0.040	1.2	300	90	<10
SAK351	Shyraldzhyn	0.20	granite	0.012	0.7	150	<70	<10
SAK352	Shyraldzhyn	0.20	granite	0.007	0.9	120	<70	<10
SAK353	Shyraldzhyn	0.20	hornfels	0.007	1.5	70	<70	<10
SAK354	Shyraldzhyn	0.20	granite	<0.005	0.4	30	<70	<10
SAK355	Shyraldzhyn	0.20	hornfels	0.005	0.5	150	<70	<10
SAK356	Shyraldzhyn	0.25	hornfels	0.007	1.5	200	<70	<10
SAK357	Shyraldzhyn	0.25	hornfels	0.007	1.2	300	<70	<10
SAK358	Shyraldzhyn	0.20	sandstone, shale	<0.005	0.5	120	<70	<10
SAK359	Shyraldzhyn	0.20	limestone, sandstone - fractur	0.012	0.3	50	<70	<10
SAK360	Shyraldzhyn	0.20	hornfels	0.009	2.0	300	120	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (13)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK361	Shyraldzhyn Peak east	0.20	hornfels	0.012	2.0	150	400	<10
SAK362	Shyraldzhyn Peak east	0.20	hornfels	0.012	1.5	400	70	<10
SAK363	Shyraldzhyn Peak east	0.20	hornfels	<0.005	1.2	50	<70	<10
SAK364	Shyraldzhyn Peak east	0.20	hornfels	0.020	2.0	120	<70	<10
SAK365	Shyraldzhyn Peak east	0.20	hornfels	0.009	1.2	70	<70	<10
SAK366	Shyraldzhyn Peak east	0.20	hornfels	0.009	12.0	150	120	120
SAK367	Shyraldzhyn Peak east	0.20	hornfels	0.005	0.3	90	<70	<10
SAK368	Uchimcheck	0.20	hornfels	0.009	15.0	500	700	120
SAK369	Uchimcheck	0.20	hornfels	0.070	>100	10,000	>10,000	5,000
SAK370	Uchimcheck	0.20	hornfels	<0.005	12.0	150	700	70
SAK371	Uchimcheck	0.20	hornfels	0.020	5.0	150	150	<10
SAK372	Shyraldzhyn Peak east	0.20	hornfels	0.030	30.0	700	1,200	150
SAK373	Shyraldzhyn Peak east	0.20	hornfels	0.005	2.0	500	500	50
SAK374	Shyraldzhyn Peak east	0.20	hornfels	0.030	30.0	3,000	3,000	3,000
SAK375	Shyraldzhyn Peak east	0.20	hornfels	<0.005	1.2	50	<70	<10
SAK376	Shyraldzhyn Peak east	0.20	marble, hornfels	0.012	3.0	400	<70	<10
SAK377	Shyraldzhyn Peak east	0.20	marble, hornfels	0.005	1.2	200	120	<10
SAK378	Shyraldzhyn Peak east	0.20	hornfels	0.012	0.5	50	70	<10
SAK379	Shyraldzhyn Peak east	0.20	limestone	0.007	0.5	70	70	<10
SAK380	Shyraldzhyn Peak east	0.20	shale, limestone	0.005	1.2	150	70	70
SAK381	Shyraldzhyn Peak east	0.20	hornfels	0.009	0.5	50	70	50
SAK382	Kumyshtag River	0.20	marble, hornfels	0.015	1.5	70	70	50
SAK383	Kumyshtag River	0.20	hornfels	0.009	0.3	50	<70	<10
SAK384	Kumyshtag River	0.20	limestone	<0.005	3.0	120	300	<10
SAK385	Kumyshtag	0.20	hornfels	0.009	5.0	150	700	<10
SAK386	Kumyshtag	-0.20	marble, hornfels	0.012	15.0	70	300	<10
SAK387	Kumyshtag	0.20	hornfels	0.007	0.9	150	<70	<10
SAK388	Kumyshtag	0.20	hornfels	<0.005	30.0	50	150	70
SAK389	Kumyshtag	0.20	hornfels	<0.005	1.5	120	90	70
SAK390	Kumyshtag	0.20	hornfels, marble	0.070	30.0	150	1,200	70

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (14)

Sample No.	location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK391	Kumyshtag	0.20	sandstone	0.050	12.0	5,000	10,000	70
SAK392	Kumyshtag	0.20	hornfels	0.300	>100	2,000	>10,000	3,000
SAK393	Kumyshtag	0.25	hornfels	0.009	12.0	300	400	70
SAK394	Kumyshtag	0.20	hornfels	<0.005	12.0	120	300	70
SAK395	Kumyshtag	0.20	limestone	0.007	3.0	70	90	<10
SAK396	Kumyshtag	0.20	shale	<0.005	1.5	30	<70	<10
SAK397	Kumyshtag	0.20	limestone	<0.005	0.5	30	<70	<10
SAK398	Kumyshtag	0.20	tuff	<0.005	1.5	200	500	<10
SAK399	Kumyshtag	0.20	limestone	0.007	0.5	20	<70	<10
SAK400	Kumyshtag	0.20	hornfels	0.007	20.0	400	400	90
SAK401	Kumyshtag	0.20	hornfels	0.005	30.0	150	400	120
SAK402	Kumyshtag	0.20	hornfels	0.009	1.2	200	150	50
SAK403	Kumyshtag	0.20	sandstone	0.005	2.0	30	90	<10
SAK404	Kumyshtag	0.20	hornfels	0.009	70.0	3,000	3,000	1,200
SAK405	Kumyshtag	0.20	hornfels	0.040	20.0	400	900	90
SAK406	Kumyshtag	0.20	hornfels	0.040	40.0	200	700	300
SAK407	Kumyshtag	0.20	hornfels	0.009	9.0	70	900	70
SAK408	Kumyshtag	0.20	shale	0.005	0.7	30	<70	<10
SAK409	Kumyshtag	0.20	limestone, shale	0.007	0.4	40	<70	<10
SAK410	Kumyshtag	0.20	tuffaceous sandstone	<0.005	0.3	30	<70	<10
SAK411	Kumyshtag	0.20	limestone	<0.005	0.3	30	<70	<10
SAK412	Kumyshtag	0.20	limestone	<0.005	0.7	20	<70	<10
SAK413	Kumyshtag	0.20	shale	<0.005	0.5	40	<70	<10
SAK414	Kumyshtag	0.20	limestone	<0.005	1.5	30	<70	<10
SAK415	Kumyshtag	0.20	limestone	<0.005	0.5	30	<70	<10
SAK416	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	0.3	30	<70	<10
SAK417	Kumyshtag Peak north	0.20	sandstone, siltstone - fractur	<0.005	<0.3	30	<70	<10
SAK418	Kumyshtag Peak north	0.20	sandstone, siltstone	<0.005	0.3	30	<70	<10
SAK419	Kumyshtag Peak north	0.20	sandstone. siltstone	<0.005	0.4	40	<70	<10
SAK420	Kumyshtag Peak north	0.20	conglomerate, sandstone	<0.005	0.3	40	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (15)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK421	Kumyshtag Peak north	0.20	sandstone, siltstone	0.007	<0.3	40	<70	<10
SAK422	Kumyshtag Peak north	0.20	sandstone, siltstone	0.009	<0.3	30	<70	<10
SAK423	Kumyshtag River	0.20	limestone	<0.005	0.3	40	<70	<10
SAK424	Kumyshtag River west	0.20	limestone	<0.005	0.5	40	<70	<10
SAK425	Kumyshtag River west	0.20	limestone	0.012	0.3	40	<70	<10
SAK426	Kumyshtag River west	0.20	limestone	<0.005	0.5	40	<70	<10
SAK427	Kumyshtag River	0.20	limestone, shale	<0.005	<0.3	40	<70	<10
SAK428	Kumyshtag River west	0.20	limestone	<0.005	0.7	70	<70	<10
SAK429	Kumyshtag River west	0.20	shale	0.007	<0.3	70	<70	<10
SAK430	Kumyshtag River west	0.20	shale	<0.005	<0.3	30	<70	<10
SAK431	Kumyshtag River west	0.20	limestone	<0.005	1.2	30	70	<10
SAK432	Kumyshtag River west	0.25	limestone	<0.005	0.3	40	120	<10
SAK433	Kumyshtag River west	0.20	limestone, siltstone	<0.005	0.3	40	<70	<10
SAK434	Kumyshtag River west	0.25	limestone, siltstone	<0.005	<0.3	50	70	<10
SAK435	Kumyshtag River west	0.25	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAK436	Kumyshtag River west	0.25	limestone, siltstone	<0.005	<0.3	50	<70	<10
SAK437	Kumyshtag River west	0.20	limestone	<0.005	0.3	50	<70	<10
SAK438	Kumyshtag River west	0.20	limestone	<0.005	0.3	40	<70	<10
SAK439	Kumyshtag River west	0.30	limestone	<0.005	<0.3	30	<70	<10
SAK440	Kumyshtag River west	0.25	limestone, siltstone	<0.005	<0.3	40	<70	<10
SAK441	Kumyshtag River west	0.30	siltstone	<0.005	<0.3	70	<70	<10
SAK442	Kumyshtag River upper	0.20	limestone, shale	<0.005	0.3	40	<70	<10
SAK443	Kumyshtag River upper	0.20	shale	<0.005	0.3	40	<70	<10
SAK444	Kumyshtag River upper	0.20	shale	0.007	0.3	40	300	50
SAK445	Kumyshtag River upper	0.20	sandstone	0.012	0.9	150	1,500	<10
SAK446	Kumyshtag River upper	0.20	siltstone, shale	<0.005	<0.3	40	<70	<10
SAK447	Kumyshtag River upper	0.25	siltstone, sandstone	<0.005	<0.3	70	<70	<10
SAK448	Kumyshtag River upper	0.25	limestone, siltstone	0.05	0.7	30	<70	<10
SAK449	Kumyshtag River upper	0.20	sandstone, siltstone	<0.005	0.3	50	<70	<10
SAK450	Kumyshtag River upper	0.20	siltstone	<0.005	<0.3	90	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (16)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK451	Kumyshtag River upper	0.30	sandstone, phyllite	<0.005	0.3	50	<70	<10
SAK452	Kumyshtag River upper	0.30	sandstone, siltstone	<0.005	0.3	50	<70	<10
SAK453	Kumyshtag River upper	0.25	sandstone, shale	<0.005	0.3	70	<70	<10
SAK454	Kumyshtag River upper	0.25	sandstone, siltstone, shale	<0.005	<0.3	30	<70	<10
SAK455	Kumyshtag River upper	0.20	sandstone, siltstone, shale	<0.005	<0.3	40	<70	<10
SAK456	Kumyshtag River upper	0.25	sandstone, phyllite	0.005	0.3	50	<70	<10
SAK457	Kumyshtag River upper	0.25	sandstone, phyllite	0.020	<0.3	30	<70	<10
SAK458	Kumyshtag River upper	0.20	sandstone, phyllite	0.007	0.3	70	<70	<10
SAK459	Kumyshtag River upper	0.25	limestone, shale - fracture	<0.005	<0.3	30	<70	<10
SAK460	Kumyshtag River upper	0.25	sandstone, shale	<0.005	<0.3	40	<70	<10
SAK461	Kumyshtag River upper	0.20	sandstone, shale	<0.005	<0.3	50	<70	<10
SAK462	Kumyshtag River upper	0.25	sandstone, shale, limestone	<0.005	0.3	50	<70	<10
SAK463	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	<0.3	30	<70	<10
SAK464	Kumyshtag River upper	0.25	sandstone, shale, limestone	<0.005	<0.3	40	<70	<10
SAK465	Kumyshtag River upper	0.25	sandstone, shale, limestone	<0.005	<0.3	40	<70	<10
SAK466	Kumyshtag River upper	0.25	sandstone, shale, limestone	<0.005	0.4	40	<70	<10
SAK467	Kumyshtag River upper	0.25	sandstone, shale, limestone	0.015	0.3	30	<70	<10
SAK468	Kumyshtag River upper	0.25	sandstone, phyllite	<0.005	<0.3	30	<70	<10
SAK469	Kumyshtag River upper	0.20	sandstone, shale, limestone	0.007	<0.3	40	<70	<10
SAK470	Kumyshtag River upper	0.20	limestone, shale - fracture	0.005	0.3	30	<70	<10
SAK471	Kumyshtag River upper	0.20	limestone	<0.005	0.3	20	<70	<10
SAK472	Kumyshtag River upper	0.25	limestone	0.120	1.2	30	<70	<10
SAK473	Kumyshtag River upper	0.20	sandstone, shale - fracture	<0.005	0.3	30	<70	<10
SAK474	Kumyshtag River upper	0.20	sandstone, siltstone, shale	<0.005	<0.3	40	<70	<10
SKA475	Kumyshtag River upper	0.20	sandstone, shale	<0.005	0.5	40	<70	<10
SAK476	Kumyshtag River upper	0.20	sandstone, shale - fracture	0.015	0.3	30	<70	<10
SAK477	Kumyshtag River upper	0.20	sandstone, phyllite - fracture	<0.005	<0.3	30	<70	<10
SAK478	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	<0.3	50	<70	<10
SAK479	Kumyshtag River upper	0.25	sandstone, phyllite	<0.005	<0.3	70	<70	<10
SAK480	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	50	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (17)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK481	Kumyshtag River upper	0.20	sandstone, phyllite	0.020	0.3	30	<70	<10
SAK482	Kumyshtag River upper	0.25	sandstone, phyllite, limestone	0.007	0.3	50	<70	<10
SAK483	Kumyshtag River upper	0.25	sandstone, phyllite	<0.005	0.3	40	<70	<10
SAK484	Kumyshtag River upper	0.25	sandstone, phyllite	<0.005	0.3	30	<70	<10
SAK485	Kumyshtag River upper	0.20	sandstone, phyllite	0.040	0.3	40	<70	<10
SAK486	Kumyshtag River upper	0.20	sandstone, phyllite	0.005	0.3	90	<70	<10
SAK487	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.5	300	<70	<10
SAK488	Kumyshtag River upper	0.25	sandstone, phyllite	<0.005	0.3	120	<70	<10
SAK489	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.4	50	<70	<10
SAK490	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.4	40	<70	<10
SAK491	Kumyshtag River upper	0.20	sandstone, phyllite - fracture	<0.005	0.3	30	<70	<10
SAK492	Kumyshtag River upper	0.20	sandstone, shale - fracture	<0.005	0.5	30	<70	<10
SAK493	Kumyshtag River upper	0.25	limestone	<0.005	0.5	15	<70	<10
SAK494	Kumyshtag River upper	0.20	sandstone, shale - fracture	<0.005	0.5	30	<70	<10
SAK495	Kumyshtag River upper	0.20	sandstone, shale - fracture	0.009	2.0	300	200	<10
SAK496	Kumyshtag River upper	0.25	sandstone, shale - fracture	<0.005	0.3	70	120	<10
SAK497	Kumyshtag River upper	0.20	sandstone, shale - fracture	<0.005	<0.3	15	<70	<10
SAK498	Kumyshtag River upper	0.25	sandstone, phyllite	0.009	0.3	40	<70	<10
SAK499	Kumyshtag River upper	0.20	sandstone, shale	<0.005	<0.3	30	<70	<10
SAK500	Kumyshtag River upper	0.20	sandstone, shale	0.007	0.3	50	<70	<10
SAK501	Kumyshtag River upper	0.20	sandstone, shale	<0.005	<0.3	30	150	<10
SAK502	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	40	<70	<10
SAK503	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	50	<70	<10
SAK504	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	<0.3	50	<70	<10
SAK505	Kumyshtag River upper	0.20	sandstone, phyllite	0.005	<0.3	50	<70	<10
SAK506	Kumyshtag River upper	0.20	sandstone, phyllite	0.005	0.3	40	<70	<10
SAK507	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	70	120	<10
SAK508	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	40	<70	<10
SAK509	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	90	<70	<10
SAK510	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	30	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (18)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK511	Kumyshtag River upper	0.20	limestone, shale	0.012	<0.3	30	<70	<10
SAK512	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	30	<70	<10
SAK513	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	40	<70	<10
SAK514	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.4	40	<70	<10
SAK515	Kumyshtag River upper	0.20	sandstone, phyllite	0.007	0.3	50	70	<10
SAK516	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	40	<70	<10
SAK517	Kumyshtag River upper	0.20	sandstone, phyllite	0.005	0.3	50	<70	<10
SAK518	Kumyshtag River upper	0.20	sandstone, phyllite	<0.005	0.3	40	<70	<10
SAK519	Kumyshtag Peak north	0.25	limestone	<0.005	<0.3	5	<70	<10
SAK520	Kumyshtag Peak north	0.20	limestone	<0.005	<0.3	5	<70	<10
SAK521	Kumyshtag Peak north	0.20	limestone	<0.005	<0.3	12	<70	<10
SAK522	Kumyshtag Peak north	0.20	sandstone, siltstone, shale	<0.005	0.3	30	<70	<10
SAK523	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	<0.3	5	<70	<10
SAK524	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	<0.3	12	<70	<10
SAK525	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	<0.3	5	<70	<10
SAK526	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	<0.3	12	<70	<10
SAK527	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	<0.3	12	<70	<10
SAK528	Kumyshtag Peak north	0.20	limestone - fracture	<0.005	<0.3	12	<70	<10
SAK529	Kumyshtag Peak north	0.20	sandstone, siltstone, shale	<0.005	0.3	40	<70	<10
SAK530	Kumyshtag Peak north	0.20	sandstone, siltstone, shale	<0.005	0.3	40	70	<10
SAK531	Kumyshtag Peak east	0.20	sandstone, siltstone	<0.005	0.3	30	<70	<10
SAK532	Kumyshtag Peak east	0.20	sandstone, siltstone	0.005	<0.3	50	<70	<10
SAK533	Kumyshtag Peak east	0.20	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAK534	Kumyshtag Peak east	0.20	sandstone, siltstone	0.005	0.3	50	70	<10
SAK535	Uchimcheck	0.20	hornfels	0.030	1.5	500	1,200	<10
SAK536	Uchimcheck	0.20	hornfels	0.020	7.0	700	9,000	<10
SAK537	Uchimcheck	0.20	hornfels	<0.005	0.3	70	400	<10
SAK538	Uchimcheck	0.20	hornfels	0.009	0.9	150	400	<10
SAK539	Uchimcheck	0.20	hornfels	<0.005	0.7	70	200	<10
SAK540	Shyraldzhyn	0.20	hornfels	<0.005	0.3	70	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (19)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAK541	Shyraldzhyn	0.20	hornfels	<0.005	0.3	150	<70	<10
SAK542	Shyraldzhyn	0.20	hornfels	0.012	0.3	150	<70	<10
SAK543	Shyraldzhyn	0.20	hornfels	0.007	0.3	150	<70	<10
SAK544	Shyraldzhyn	0.20	hornfels	<0.005	0.3	90	<70	<10
SAK545	Shyraldzhyn	0.20	hornfels	<0.005	0.3	30	<70	<10
SAK546	Shyraldzhyn	0.20	granite	<0.005	<0.3	20	<70	<10
SAK547	Shyraldzhyn Peak south	0.20	sandstone, shale	0.005	<0.3	40	<70	<10
SAK548	Shyraldzhyn Peak south	0.20	sandstone, shale	0.005	0.3	70	<70	<10
SAK549	Shyraldzhyn Peak south	0.20	limestone, siltstone	<0.005	0.3	70	<70	<10
SAK550	Shyraldzhyn Peak south	0.20	limestone, shale	<0.005	0.3	30	<70	<10
SAK551	Shyraldzhyn Peak south	0.20	limestone, shale	<0.005	0.3	30	<70	<10
SAK552	Shyraldzhyn Peak south	0.25	limestone, siltstone	<0.005	0.7	50	<70	<10
SAK553	Shyraldzhyn	0.20	granite	<0.005	0.5	30	<70	<10
SAK554	Shyraldzhyn	0.20	hornfels	<0.005	0.9	300	150	<10
SAK555	Shyraldzhyn	0.20	hornfels	<0.005	0.3	40	<70	<10
SAK556	Shyraldzhyn	0.20	hornfels	0.007	<0.3	50	<70	<10
SAK557	Chetin	0.20	sandstone, shale	<0.005	<0.3	40	<70	<10
SAK558	Chetin	0.20	sandstone, shale	<0.005	0.3	50	<70	<10
SAK559	Chetin	0.20	sandstone, shale	<0.005	<0.3	30	<70	<10
SAK560	Chetin	0.20	granite	0.050	<0.3	30	<70	<10
SAK561	Chetin	0.20	sandstone, shale, limestone	<0.005	<0.3	30	<70	<10
SAK562	Chetin	0.20	granite	<0.005	<0.3	30	<70	<10
SAK563	Chetin	0.20	granite	0.007	<0.3	30	<70	<10
SAK564	Chetin	0.20	granite	<0.005	0.3	40	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (20)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB001	Babahan River	0.20	limestone, sandstone	0.007	0.7	30	<70	<10
SAB002	Babahan River	0.30	limestone, siltstone	<0.005	0.4	30	<70	<10
SAB003	Babahan River	0.30	sandstone, siltstone, granite	<0.005	0.7	30	<70	<10
SAB004	Babahan River	0.25	granite	<0.005	0.3	15	<70	<10
SAB005	Babahan River	0.20	limestone	<0.005	0.3	15	<70	<10
SAB006	Babahan River	0.25	granite	<0.005	0.3	15	<70	<10
SAB007	Babahan River	0.20	granite	<0.005	0.3	20	<70	<10
SAB008	Babahan River	0.20	granite	<0.005	0.3	15	<70	<10
SAB009	Babahan River	0.20	granite	<0.005	0.3	15	<70	<10
SAB010	Babahan River	0.25	granite	<0.005	0.3	15	<70	<10
SAB011	Babahan River	0.20	granite	0.007	0.4	15	<70	<10
SAB012	Babahan River	0.20	granite	<0.005	0.3	15	<70	<10
SAB013	Babahan River	0.25	granite	<0.005	0.3	20	<70	<10
SAB014	Babahan River	0.30	granite	<0.005	0.5	30	<70	<10
SAB015	Babahan River	0.30	sandstone, limestone	<0.005	0.4	15	<70	<10
SAB016	Babahan River	0.40	limestone, siltstone	<0.005	0.4	20	<70	<10
SAB017	Babahan River	0.25	limestone	<0.005	0.3	20	<70	<10
SAB018	Babahan River	0.20	limestone	<0.005	0.4	20	<70	<10
SAB019	Babahan River	0.20	limestone	<0.005	0.4	30	<70	<10
SAB020	Babahan River	0.20	limestone	<0.005	0.3	20	<70	<10
SAB021	Babahan River	0.20	limestone	<0.005	0.4	20	<70	<10
SAB022	Babahan River	0.25	limestone	<0.005	0.4	30	<70	<10
SAB023	Kurkureo Suu	0.30	limestone, siltstone	<0.005	0.3	30	<70	<10
SAB024	Kurkureo Suu	0.20	phyllite, limestone	<0.005	0.3	30	<70	<10
SAB025	Kurkureo Suu	0.20	limestone	<0.005	0.3	20	<70	<10
SAB026	Kurkureo Suu	0.25	siltstone, limestone	<0.005	<0.3	30	<70	<10
SAB027	Kurkureo Suu	0.20	sandstone, siltstone, granite	<0.005	<0.3	30	<70	<10
SAB028	Kurkureo Suu	0.20	siltstone, granite - fracture	<0.005	0.4	30	<70	<10
SAB029	Kurkureo Suu	0.20	siltstone, granite	<0.005	0.3	20	<70	<10
SAB030	Kurkureo Suu	0.20	siltstone, limestone	<0.005	<0.3	40	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (21)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB031	Kurkureo Suu	0.30	granite	<0.005	<0.3	20	<70	<10
SAB032	Kurkureo Suu	0.20	granite	<0.005	<0.3	30	<70	<10
SAB033	Kurkureo Suu	0.30	granite	<0.005	0.3	30	<70	<10
SAB034	Kurkureo Suu	0.20	granite - fracture	<0.005	0.3	20	<70	<10
SAB035	Kurkureo Suu	0.20	granite	<0.005	0.3	20	<70	<10
SAB036	Kotur Dyobe	0.20	granite	<0.005	0.3	30	<70	<10
SAB037	Kotur Dyobe	0.20	granite	<0.005	0.3	20	<70	<10
SAB038	Kotur Dyobe	0.30	granite	<0.005	0.3	20	<70	<10
SAB039	Kotur Dyobe	0.25	granite	<0.005	0.5	20	<70	<10
SAB040	Kotur Dyobe	0.20	granite	<0.005	0.4	30	<70	<10
SAB041	Kotur Dyobe	0.25	granite	<0.005	0.5	20	<70	<10
SAB042	Kotur Dyobe	0.20	granite	<0.005	0.4	20	<70	<10
SAB043	Kotur Dyobe	0.15	granite	<0.005	0.5	30	<70	<10
SAB044	Kotur Dyobe	0.20	limestone	<0.005	0.5	30	<70	<10
SAB045	Kotur Dyobe	0.20	limestone, granite - fracture	<0.005	0.3	20	<70	<10
SAB046	Kotur Dyobe	0.20	limestone, granite	<0.005	0.3	20	<70	<10
SAB047	Kotur Dyobe	0.50	limestone	<0.005	0.3	20	<70	<10
SAB048	Kotur Dyobe	0.25	granite	<0.005	0.3	20	<70	<10
SAB049	Kotur Dyobe	0.50	granite	<0.005	0.4	30	<70	<10
SAB050	Kotur Dyobe	0.30	granite	<0.005	0.3	15	<70	<10
SAB051	Kotur Dyobe	0.15	granite	<0.005	0.4	20	<70	<10
SAB052	Kotur Dyobe	0.20	granite	<0.005	0.3	15	<70	<10
SAB053	Suluu Bakair	0.15	sandstone, limestone	0.020	0.4	30	<70	<10
SAB054	Suluu Bakair	0.25	sandstone, limestone	<0.005	0.3	20	<70	<10
SAB055	Suluu Bakair	0.20	sandstone, limestone	0.005	0.4	30	<70	<10
SAB056	Suluu Bakair	0.20	granite	0.005	0.3	30	<70	<10
SAB057	Suluu Bakair	0.20	limestone, granite	<0.005	0.3	30	<70	<10
SAB058	Suluu Bakair	0.20	sandstone, limestone	<0.005	0.4	30	<70	<10
SAB059	Suluu Bakair	0.20	shale	<0.005	0.5	50	<70	<10
SAB060	Suluu Bakair	0.25	granite, shale	<0.005	0.4	50	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (22)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB061	Suluu Bakair	0.30	shale, sandstone	0.009	0.5	40	<70	<10
SAB062	Suluu Bakair	0.25	shale, sandstone	0.007	0.5	40	<70	<10
SAB063	Suluu Bakair	0.20	shale, sandstone	0.007	0.5	30	<70	<10
SAB064	Suluu Bakair	0.30	sandstone, limestone	<0.005	0.4	30	<70	<10
SAB065	Suluu Bakair	0.20	sandstone, limestone	0.009	0.4	50	<70	<10
SAB066	Suluu Bakair	0.20	limestone	0.009	0.4	30	<70	<10
SAB067	Suluu Bakair	0.30	limestone	<0.005	0.3	20	<70	<10
SAB068	Suluu Bakair	0.20	limestone	0.007	0.7	50	<70	<10
SAB069	Suluu Bakair	0.20	limestone	0.009	0.5	40	<70	<10
SAB070	Suluu Bakair	0.20	sandstone	<0.005	1.2	50	<70	<10
SAB071	Suluu Bakair	0.20	limestone, sandstone	<0.005	0.5	50	<70	<10
SAB072	Suluu Bakair	0.20	limestone	0.007	0.4	40	<70	<10
SAB073	Kuru Bakair	0.25	siltstone, sandstone	<0.005	0.4	30	<70	<10
SAB074	Kuru Bakair	0.30	siltstone, sandstone	<0.005	30.0	40	<70	50
SAB075	Kuru Bakair	0.20	siltstone, sandstone	<0.005	0.7	30	<70	<10
SAB076	Kuru Bakair	0.20	limestone, siltstone	<0.005	0.3	30	<70	<10
SAB077	Kuru Bakair	0.15	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAB078	Kuru Bakair	0.20	limestone	<0.005	0.4	30	<70	<10
SAB079	Kuru Bakair	0.25	siltstone	<0.005	0.3	50	<70	<10
SAB080	Kuru Bakair	0.25	sandstone, siltstone	<0.005	<0.3	30	<70	<10
SAB081	Kuru Bakair	0.30	sandstone, siltstone	<0.005	<0.3	40	<70	<10
SAB082	Kuru Bakair	0.20	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAB083	Kuru Bakair	0.40	sandstone, siltstone	0.009	<0.3	30	<70	<10
SAB084	Kuru Bakair	0.20	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAB085	Kuru Bakair	0.20	limestone, siltstone	<0.005	0.3	50	<70	<10
SAB086	Kuru Bakair	0.20	limestone, siltstone - fractur	<0.005	<0.3	40	<70	<10
SAB087	Dzholsay	0.25	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB088	Dzholsay	0.20	sandstone, siltstone	0.005	0.5	40	<70	<10
SAB089	Dzholsay	0.30	limestone, sandstone	0.005	0.5	50	<70	<10
SAB090	Suluu Bakair	0.25	limestone	<0.005	<0.3	30	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (23)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB091	Suluu Bakair	0.30	limestone	0.005	<0.3	30	<70	<10
SAB092	Suluu Bakair	0.35	limestone, sandstone	<0.005	0.3	30	<70	<10
SAB093	Suluu Bakair	0.30	limestone, shale	<0.005	0.3	30	<70	<10
SAB094	Suluu Bakair	0.20	limestone	0.007	0.3	30	<70	<10
SAB095	Suluu Bakair	0.20	limestone	<0.005	0.3	30	<70	<10
SAB096	Suluu Bakair	0.25	siltstone, limestone	<0.005	0.3	20	<70	<10
SAB097	Suluu Bakair	0.30	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB098	Suluu Bakair	0.20	limestone, siltstone	<0.005	0.3	40	<70	<10
SAB099	Suluu Bakair	0.25	limestone, siltstone	0.030	0.3	30	<70	<10
SAB100	Suluu Bakair	0.30	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB101	Suluu Bakair	0.30	limestone, siltstone	<0.005	0.3	40	<70	<10
SAB102	Suluu Bakair	0.25	sandstone, siltstone	<0.005	0.3	30	<70	<10
SAB103	Suluu Bakair	0.20	sandstone, siltstone	<0.005	0.3	50	<70	<10
SAB104	Suluu Bakair	0.20	sandstone, siltstone	<0.005	0.3	30	<70	<10
SAB105	Suluu Bakair	0.15	limestone, shale	0.007	0.3	70	70	<10
SAB106	Suluu Bakair	0.20	limestone, sandstone	<0.005	<0.3	30	<70	<10
SAB107	Suluu Bakair	0.30	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAB108	Suluu Bakair	0.20	limestone, siltstone	0.015	0.3	40	<70	<10
SAB109	Suluu Bakair	0.30	phyllite, limestone	0.005	<0.3	30	<70	<10
SAB110	Suluu Bakair	0.20	limestone	0.020	<0.3	30	70	<10
SAB111	Suluu Bakair	0.25	phyllite, limestone	0.007	<0.3	30	<70	<10
SAB112	Suluu Bakair	0.20	siltstone, limestone	0.009	<0.3	30	<70	<10
SAB113	Suluu Bakair	0.20	siltstone, limestone	0.020	<0.3	30	<70	<10
SAB114	Suluu Bakair	0.25	limestone, phyllite	<0.005	<0.3	30	<70	<10
SAB115	Suluu Bakair	0.25	limestone, siltstone	0.007	<0.3	40	<70	<10
SAB116	Suluu Bakair	0.15	sandstone	<0.005	0.3	30	<70	<10
SAB117	Suluu Bakair	0.15	shale	<0.005	0.3	20	<70	<10
SAB118	Suluu Bakair	0.20	granite - fracture	0.012	0.3	20	<70	<10
SAB119	Suluu Bakair	0.25	granite - fracture	<0.005	<0.3	20	<70	<10
SAB120	Suluu Bakair	0.20	granite - fracture	<0.005	<0.3	20	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (24)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB121	Suluu Bakair	0.25	granite - fracture	<0.005	<0.3	20	<70	<10
SAB122	Shalbaly Say	0.20	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB123	Shalbaly Say	0.20	sandstone, siltstone - fractur	<0.005	0.4	30	<70	<10
SAB124	Shalbaly Say	0.20	sandstone, limestone	0.007	0.3	50	70	<10
SAB125	Shalbaly Say	0.20	limestone	<0.005	0.3	30	<70	<10
SAB126	Shalbaly Say	0.20	sandstone, limestone	<0.005	0.5	40	70	<10
SAB127	Shalbaly Say	0.20	limestone	<0.005	0.5	30	<70	<10
SAB128	Shalbaly Say	0.30	siltstone, limestone	<0.005	0.3	70	<70	<10
SAB129	Shalbaly Say	0.20	limestone	<0.005	0.3	40	<70	<10
SAB130	Shalbaly Say	0.20	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB131	Shalbaly Say	0.30	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB132	Shalbaly Say	0.30	limestone	0.007	0.3	50	<70	<10
SAB133	Shalbaly Say	0.20	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB134	Shalbaly Say	0.20	siltstone, sandstone	<0.005	0.3	90	<70	<10
SAB135	Shalbaly Say	0.20	siltstone, limestone	<0.005	<0.3	30	<70	<10
SAB136	Shalbaly Say	0.30	siltstone, limestone	<0.005	0.3	30	<70	<10
SAB137	Shalbaly Say	0.25	siltstone, limestone	<0.005	0.3	30	<70	<10
SAB138	Shalbaly Say	0.40	siltstone, limestone	<0.005	0.3	70	<70	<10
SAB139	Shalbaly Say	0.20	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB140	Shalbaly Say	0.20	siltstone, limestone	<0.005	0.3	50	<70	<10
SAB141	Shalbaly Say	0.20	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB142	Shalbaly Say	0.20	siltstone, sandstone	<0.005	<0.3	30	<70	<10
SAB143	Shalbaly Say	0.20	sandstone, gritstone	<0.005	0.3	30	<70	<10
SAB144	Shalbaly Say	0.30	sandstone, limestone	<0.005	<0.3	30	<70	<10
SAB145	Shalbaly Say	0.25	limestone, siltstone	<0.005	0.3	30	<70	<10
SAB146	Shalbaly Say	0.20	limestone, siltstone	<0.005	0.3	30	<70	<10
SAB147	Shalbaly Say	0.30	limestone, siltstone	<0.005	0.3	30	<70	<10
SAB148	Shalbaly Say	0.25	sandstone, siltstone	<0.005	<0.3	30	<70	<10
SAB149	Shalbaly Say	0.15	sandstone, siltstone	0.009	<0.3	30	<70	<10
SAB150	Shalbaly Say	0.15	sandstone	<0.005	0.4	90	<70	<10

Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (25)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB151	Shalbaly Say	0.20	siltstone	<0.005	0.3	40	<70	<10
SAB152	Shalbaly Say	0.20	limestone	0.005	0.3	40	<70	<10
SAB153	Shalbaly Say	0.30	sandstone, siltstone	<0.005	<0.3	30	<70	<10
SAB154	Shalbaly Say	0.25	limestone, siltstone	<0.005	0.3	40	<70	<10
SAB155	Shalbaly Say	0.15	siltstone	<0.005	0.3	50	<70	<10
SAB156	Shalbaly Say	0.20	siltstone	<0.005	0.3	70	<70	<10
SAB157	Shalbaly Say	0.20	sandstone, siltstone	<0.005	0.3	50	<70	<10
SAB158	Shalbaly Say	0.20	sandstone, siltstone	0.005	0.3	50	<70	<10
SAB159	Shalbaly Say	0.20	sandstone, siltstone	<0.005	<0.3	40	<70	<10
SAB160	Shalbaly Say	0.25	siltstone	<0.005	<0.3	30	<70	<10
SAB161	Shalbaly Say	0.20	marble, siltstone	<0.005	<0.3	90	<70	<10
SAB162	Shalbaly Say	0.25	siltstone - fracture	<0.005	<0.3	70	<70	<10
SAB163	Shalbaly Say	0.20	siltstone	<0.005	0.3	40	<70	<10
SAB164	Shalbaly Say	0.30	siltstone, limestone	<0.005	0.3	50	<70	<10
SAB165	Shalbaly Say	0.25	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB166	Shalbaly Say	0.30	siltstone	<0.005	0.3	90	<70	<10
SAB167	Shalbaly Say	0.20	siltstone, sandstone	<0.005	<0.3	40	<70	<10
SAB168	Shalbaly Say	0.30	limestone, siltstone	<0.005	0.3	40	<70	<10
SAB169	Shalbaly Say	0.20	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB170	Shalbaly Say	0.30	limestone, siltstone	<0.005	<0.3	70	<70	<10
SAB171	Shalbaly Say	0.20	limestone, siltstone	<0.005	<0.3	50	<70	<10
SAB172	Shalbaly Say	0.30	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAB173	Shalbaly Say	0.20	limestone, siltstone	<0.005	0.3	40	<70	<10
SAB174	Shalbaly Say	0.20	limestone, siltstone	<0.005	0.3	30	<70	<10
SAB175	Shalbaly Say	0.30	limestone, siltstone	<0.005	0.3	50	<70	<10
SAB176	Shalbaly Say	0.20	limestone, siltstone	<0.005	0.3	40	<70	<10
SAB177	Shalbaly Say	0.20	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB178	Shalbaly Say	0.20	limestone, siltstone	<0.005	<0.3	50	<70	<10
SAB179	Shalbaly Say	0.30	limestone, siltstone	<0.005	0.3	50	<70	<10
SAB180	Shalbaly Say	0.20	limestone, siltstone	<0.005	0.3	50	<70	<10

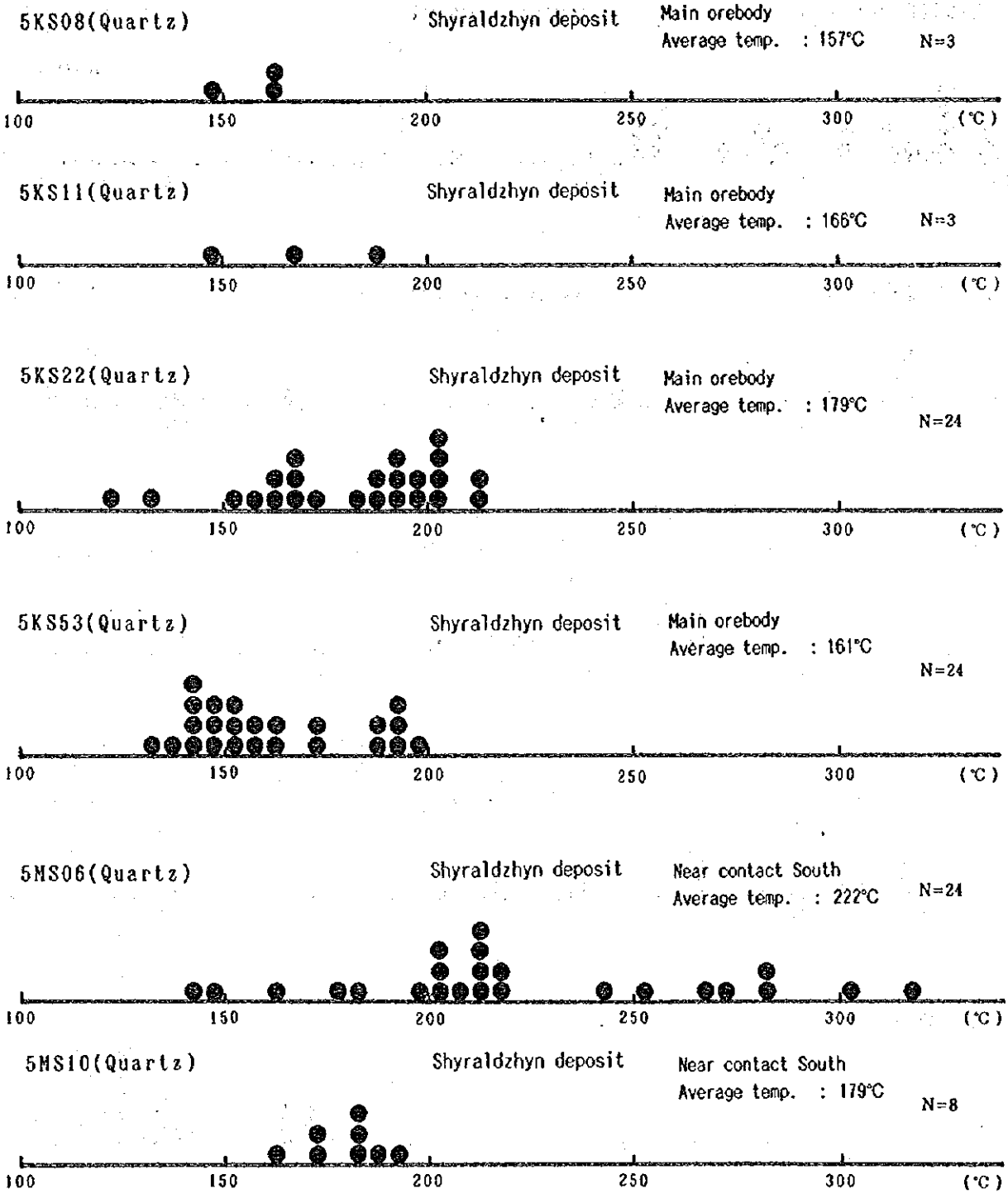
Apx.-7 List of Chemical Aanalyzed Values of Soil Samples (26)

Sample No.	Location	Depth(m)	Geology	Au(ppm)	Ag(ppm)	Cu(ppm)	As(ppm)	Sb(ppm)
SAB181	Shalbaly Say	0.20	sandstone, siltstone	<0.005	<0.3	30	<70	<10
SAB182	Shalbaly Say	0.25	sandstone, siltstone	<0.005	0.3	30	<70	<10
SAB183	Shalbaly Say	0.20	sandstone, siltstone	<0.005	0.3	40	<70	<10
SAB184	Shalbaly Say	0.30	limestone, siltstone	<0.005	<0.3	50	<70	<10
SAB185	Shalbaly Say	0.20	limestone, siltstone	<0.005	<0.3	40	<70	<10
SAB186	Shalbaly Say	0.25	limestone, siltstone	<0.005	0.3	50	<70	<10
SAB187	Shalbaly Say	0.30	limestone, siltstone	<0.005	<0.3	30	<70	<10
SAB188	Shalbaly Say	0.20	siltstone	<0.005	0.3	30	<70	<10
SAB189	Shalbaly Say	0.20	siltstone, sandstone	<0.005	0.3	40	<70	<10
SAB190	Shalbaly Say	0.20	sandstone	<0.005	0.3	30	<70	<10
SAB191	Shalbaly Say	0.30	siltstone	<0.005	<0.3	30	<70	<10
SAB192	Shalbaly Say	0.20	siltstone	<0.005	0.3	40	<70	<10
SAB193	Shalbaly Say	0.20	siltstone, limestone	<0.005	0.3	40	<70	<10
SAB194	Shalbaly Say	0.25	marble, limestone	<0.005	<0.3	30	<70	<10
SAB195	Shalbaly Say	0.15	siltstone, sandstone	<0.005	<0.3	30	<70	<10
SAB196	Shalbaly Say	0.20	marble	<0.005	0.3	40	<70	<10
SAB197	Shalbaly Say	0.25	sandstone	<0.005	<0.3	20	<70	<10
SAB198	Shalbaly Say	0.20	marble	<0.005	<0.3	20	<70	<10
SAB199	Shalbaly Say	0.20	gritstone, sandstone	0.009	<0.3	20	<70	<10
SAB200	Shalbaly Say	0.25	marble	0.005	0.3	30	<70	<10
SAB201	Shalbaly Say	0.20	marble	<0.005	0.3	20	<70	<10
SAB202	Shalbaly Say	0.25	granite - fracture	<0.005	0.3	20	<70	<10
SAB203	Shalbaly Say	0.15	granite	<0.005	0.3	20	<70	<10
SAB204	Shalbaly Say	0.20	granite	<0.005	0.3	20	<70	<10

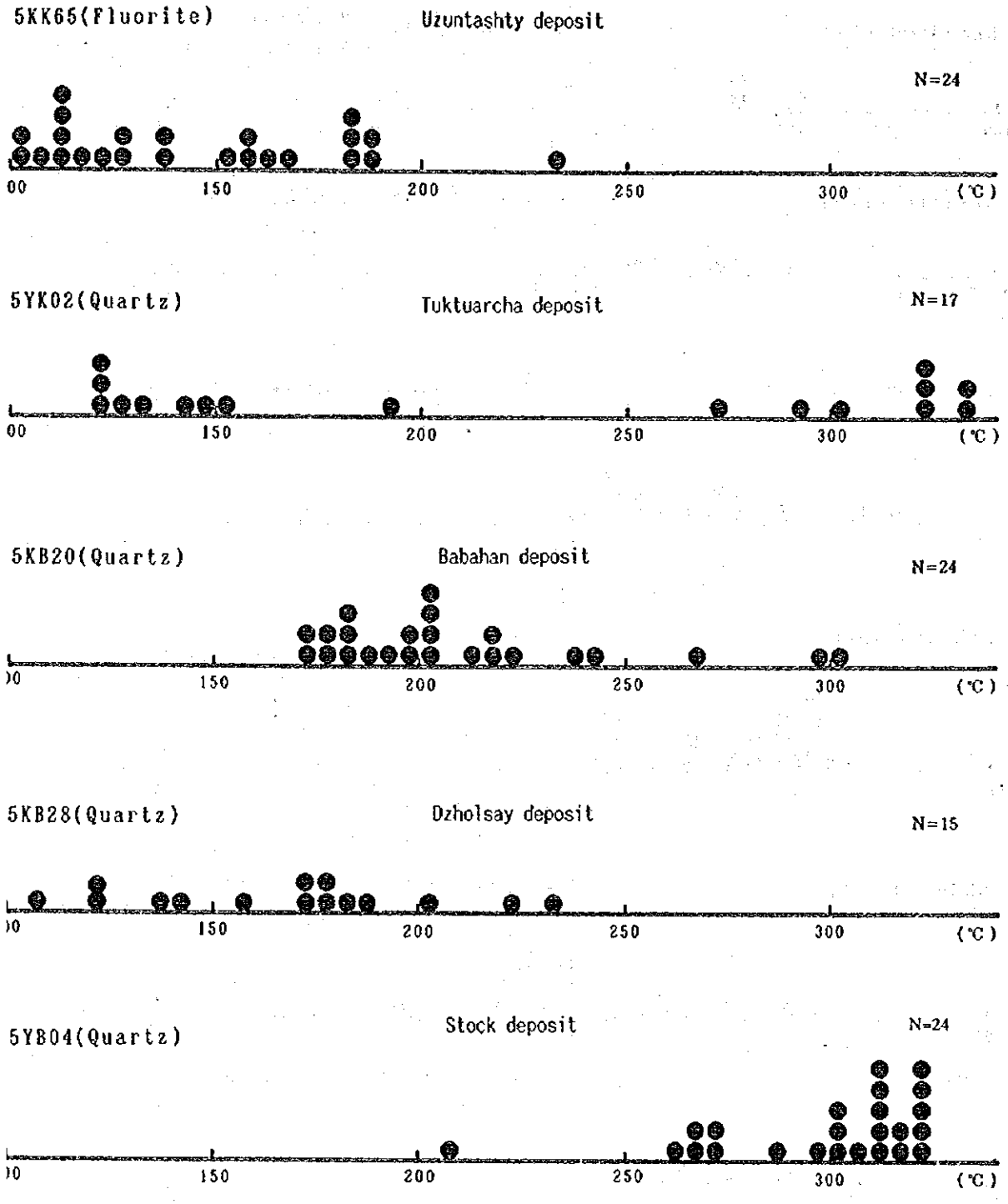
APPENDIX. -8

Homogenization Temperature of Fluid Inclusions

Apx.-8 Homogenization Temperature of Fluid Inclusions (1)



Apx. -8 Homogenization Temperature of Fluid Inclusions (2)



APPENDIX. -9

Result of X-ray Diffraction Analysis

Apx.-9 Result of X-ray Diffraction Analysis

No.	Sample No.	Locality	Rock name	Quartz	Plagioclase	K-feldspar	Clinopyroxene	Kaolinite	Muscovite*	Smectite	Tourmaline	Calcite	Dolomite	Fluorite
1	5KS02	Shyraldzhyn deposit	Altered granite	89.2					2.1			1.4		
2	5KS06	Shyraldzhyn deposit	Muscovite-quartz rock	84.6	0.6				11.5			22.1		
3	5KS07	Shyraldzhyn deposit	Muscovite-quartz rock	82.7	0.8				21.4			9.6		
4	5KS09	Shyraldzhyn deposit	Muscovite-quartz rock	65.1	1.5				29.9			7.0		
5	5KS12	Shyraldzhyn deposit	Muscovite-quartz rock	67.2	0.7				21.5			4.6		
6	5KS19	Shyraldzhyn deposit	Muscovite-quartz rock	77.8	1.0				21.7					
7	5KS43	Shyraldzhyn deposit	Altered granite	77.3		9.9		13.3	18.6			18.6		
8	5KS50	Shyraldzhyn deposit	White altered rock	65.1	36.2	42.2			8.5			5.1		
9	5MS02	Shyraldzhyn deposit	Muscovite-quartz rock	71.1	0.9		(1.0)		21.9			0.9		
10	5MS03	Shyraldzhyn deposit	Altered rock	79.1		4.4			12.6	1.5		15.4		
11	5MS08	Shyraldzhyn deposit	Altered rock	81.9	0.9		(1.4)		19.3					
12	5MS11	Shyraldzhyn deposit	Clay vein with green copper	72.1	8.4	18.1	(1.3)		15.9			6.7		
13	5MS15	Shyraldzhyn deposit	White clay	87.2					3.6			1.5		
14	5MS16	Shyraldzhyn deposit	White altered rock	69.7	28.5	37.9			5.0			3.4		
15	5KK26	Chetyn	Altered granite	80.9	22.6	15.0		0.9	3.8			7.2		
16	5KK54	Uchimcheck deposit	Altered limestone/shale	56.6							12.9			
17	5KK65	Uzuntashty deposit	Fluorite vein											81.0
18	5KK68	Shyraldzhyn	Aplite vein	13.8	73.8	35.7			2.7			3.4		
19	5KB18	Kuru-Bakair deposit	Altered shale	56.9	2.2	1.4		0.5	20.7			10.3	6.3	
20	5KB27	Dzholsay deposit	Altered shale/sandstone	77.3	1.4	1.0	1.2		9.9					

Figures are Quartz Index (QI) calculated as follows, after Hayashi (1979)
QI = Im/Iq×100 (%)
Im : The strongest X-ray intensity of a mineral
Iq : The strongest X-ray intensity of pure quartz
* : Including sericite

APPENDIX. -10

Result of Isotopic (K-Ar) Dating

Apx.-10 Result of Isotopic (K-Ar) Dating

Sample No.	Locality	Rock Name	Material Analyzed	Isotopic Age (Ma)	Rad. ^{40}Ar (scc/gm$\times 10^{-5}$)	% Rad. ^{40}Ar	% K
5KS07	Shyraldzhyn K-174	Muscovite-quartz rock (Greisen)	Muscovite	397± 20	14.8 14.7	99.4 99.6	8.52 8.58
5KS09	Shyraldzhyn K-172	Muscovite-quartz rock (Greisen)	Muscovite	412± 21	15.7 15.7	98.7 99.2	8.73 8.72

APPENDIX. -11

Result of Isotopic Dating at Kumyshtag Granite

Apx.-11 Result of Isotopic Dating of the Kumyshtag Granite

No.	Sample No.	Isotopic Composition of Pb (%)				Content ($\mu g/g$)		Isotope Ratio			Isotopic Age (Ma)
		^{204}Pb	^{206}Pb	^{207}Pb	^{208}Pb	Pb	U	$^{207}Pb/^{206}Pb$	$^{207}Pb/^{235}U$	$^{206}Pb/^{238}U$	
1	2	0.0851	78.650	5.557	15.708	41.1	635.4	0.05485 (406Ma)	0.43826 (369Ma)	0.057945 (363Ma)	406
2	8	0.0310	82.829	4.961	12.179	88.8	1320	0.05443 (389Ma)	0.48274 (400Ma)	0.06433 (402Ma)	389
3	2393	0.0383	80.514	5.010	14.435	45.4	754	0.05528 (424Ma)	0.42570 (360Ma)	0.05585 (350Ma)	424
4	2395	0.0328	80.308	4.887	14.773	43.5	643.5	0.05489 (408Ma)	0.47390 (394Ma)	0.06262 (392Ma)	408
5	2397	0.0610	80.538	5.298	14.103	54.5	758	0.05472 (401Ma)	0.50077 (412Ma)	0.06637 (414Ma)	401
6	673	0.0497	78.603	5.029	16.318	24.4	895.5	0.05475 (402Ma)	0.18570 (173Ma)	0.02460 (157Ma)	402
7	674	0.0484	81.227	5.139	13.585	50.8	1044	0.05456 (394Ma)	0.34185 (299Ma)	0.04544 (286Ma)	394
8	675	0.0828	76.377	5.382	18.159	29.8	728	0.05463 (397Ma)	0.26847 (241Ma)	0.03564 (226Ma)	397

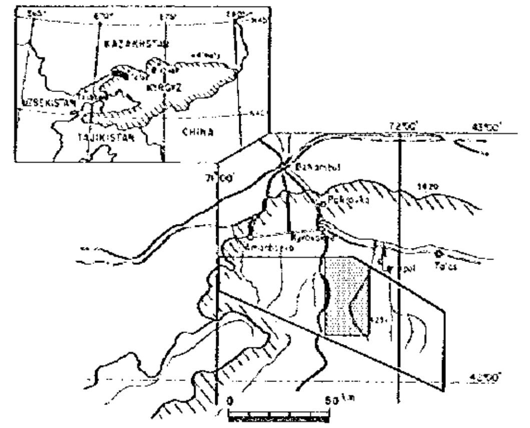
1. Analyzed material : zircon (U-Pb method).
2. Correction of ordinary lead : $^{206}Pb/^{204}Pb$ =18.076, $^{207}Pb/^{204}Pb$ =15.594, $^{208}Pb/^{204}Pb$ =37.894
3. Correction of ordinary uranium : $^{238}U/^{235}U$ =137.88

After Isotopic Geology and Geochronology Laboratory, Institute of Geology of National Academy, Bishkek (unpublished)

PL. -1

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Geological Map and Profile of the Kumyshtag Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
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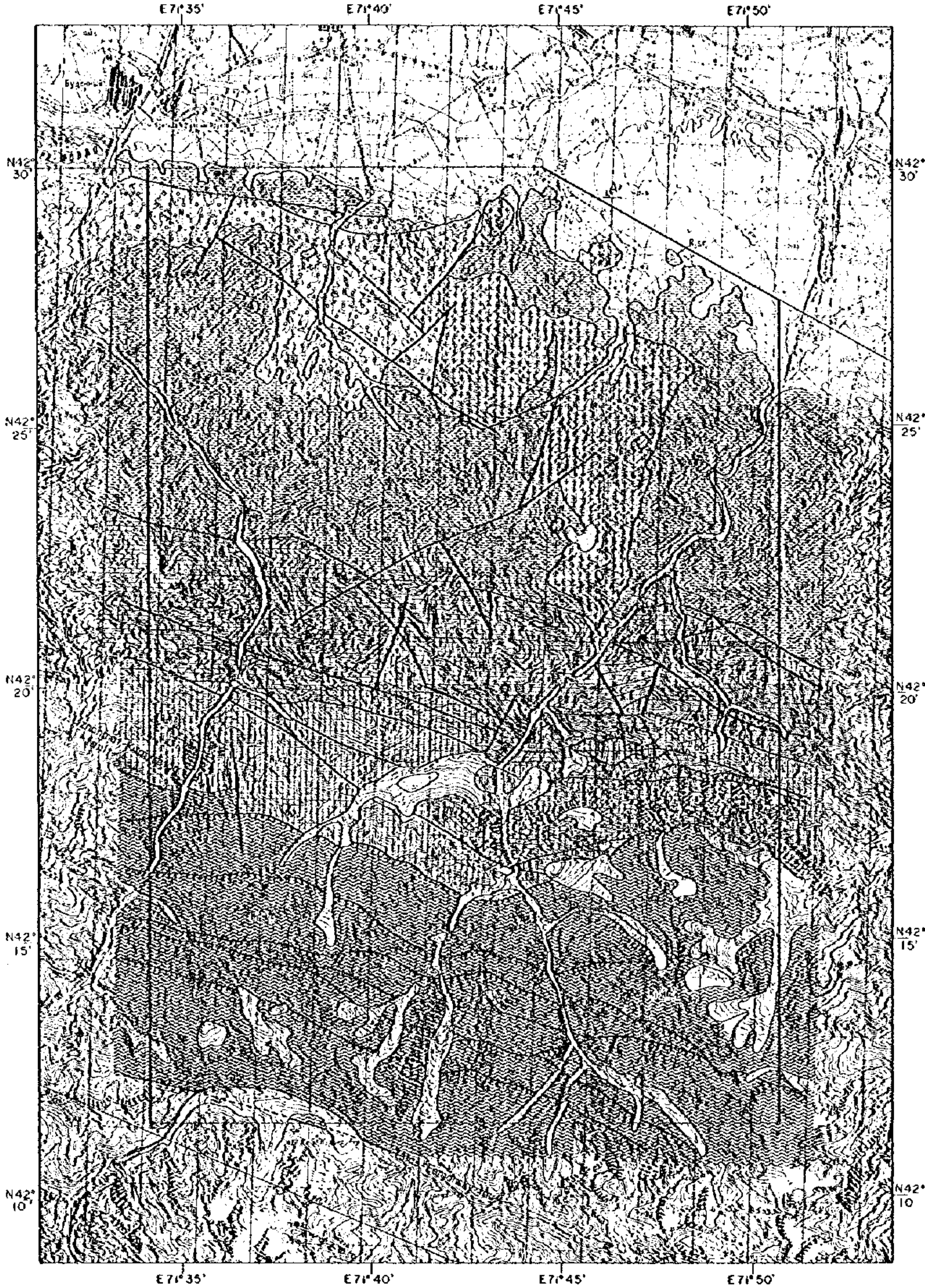


0 10 km

LEGEND

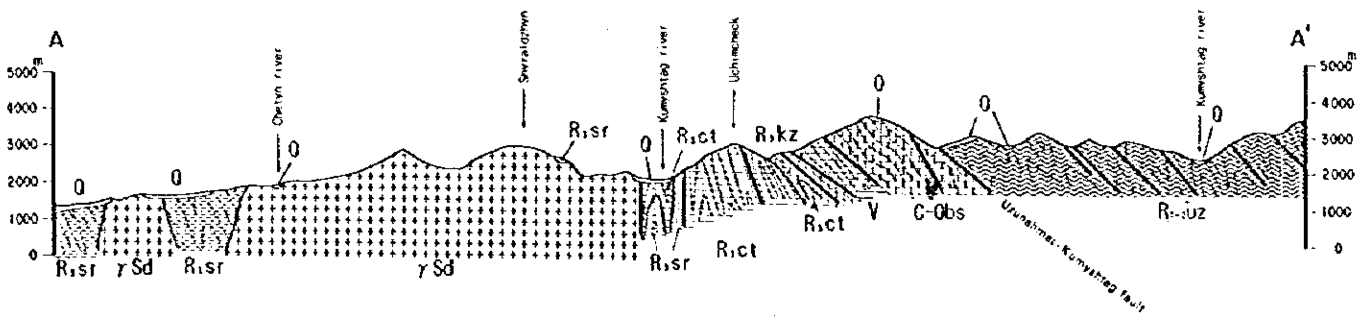
Cenozoic	Quaternary Present			Q	Conglomerate, clay
	Neogene			N	Conglomerate, sandstone, clay
	Paleogene	[illegible]		Pgk	Clay, conglomerate
Paleozoic	Cambrian-Ordovician	[illegible] Fm.		C-Obs	Limestone, dolomite
Proterozoic	Vendian			V	Conglomerate, sandstone, siltstone, shale
	Riphean	[illegible] Fm.		R₃kz	Siltstone, sandstone
		Chatkaragai-skaya Gr.		R₃ct	Limestone, siltstone, shale, sandstone
		[illegible] Gr.		R₁sr	Siltstone, shale, sandstone, limestone
		[illegible] Gr.		R-uz	Sandstone, phyllite, shale, limestone
Igneous rock	Carboni-ferous	Middle Tien-shan granites		γC	Granite
	Silurian-Devonian	Kumyshtag batholith		γSd	Granite

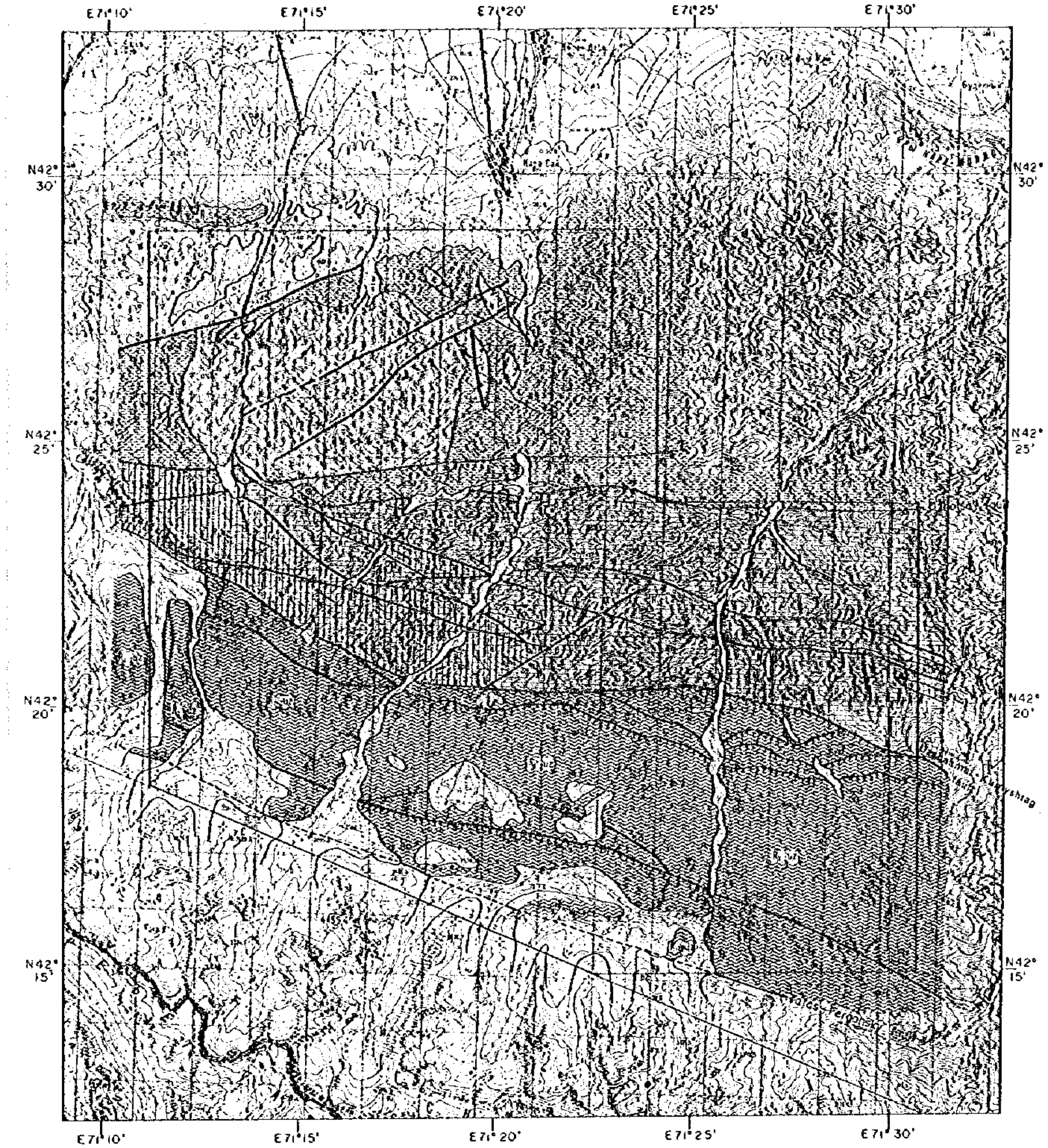
Fault a: actual b: inferred c: concealed

Thrust fault

Strike and dip (bedding)

Bedding plane

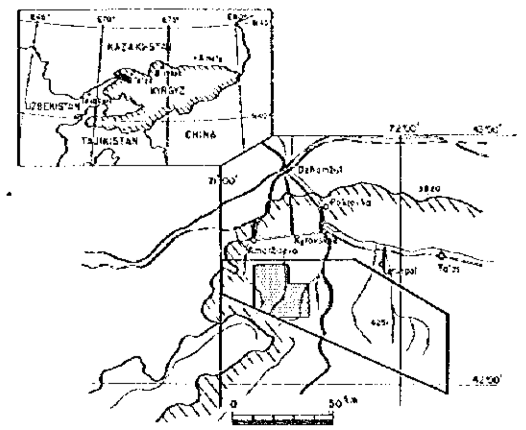




PL. -2

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Geological Map and Profile of the Babahan Area



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0 — 10 km

LEGEND

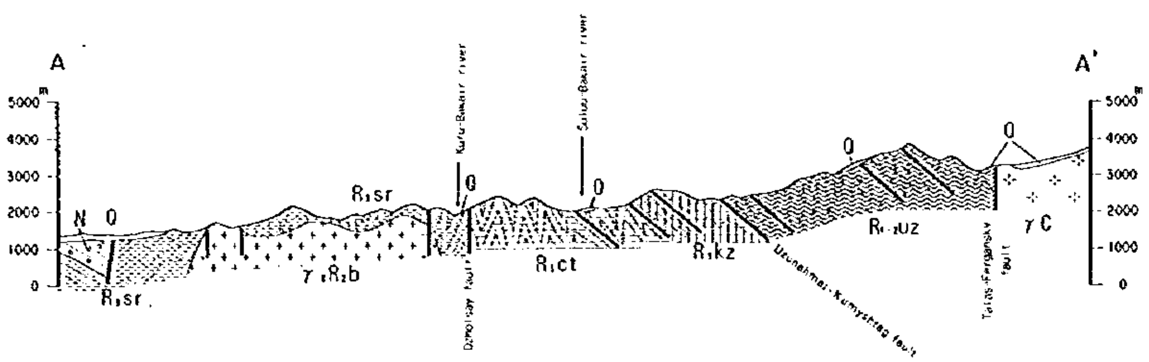
Cenozoic	Quaternary period			Q	Conglomerate, clay
	Neogene			N	Conglomerate, sandstone, clay
Proterozoic	Riphean	Kyzylbel'skaya Fm.		R1kz	Siltstone, sandstone
		Chatkaragai'skaya Gr.		R1ct	Limestone, siltstone, shale, sandstone
		Sarydzhaz'skaya Gr.		R1sr	Siltstone, shale, sandstone, limestone
		Uzunakhmatskaya Gr.		R1-2uz	sandstone, phyllite, shale, limestone
Igneous rock	Carboniferous-Permian	Middle Tien-shan granites		γC	Granite
	Riphean	Babahan batholith		γR1b	Granite

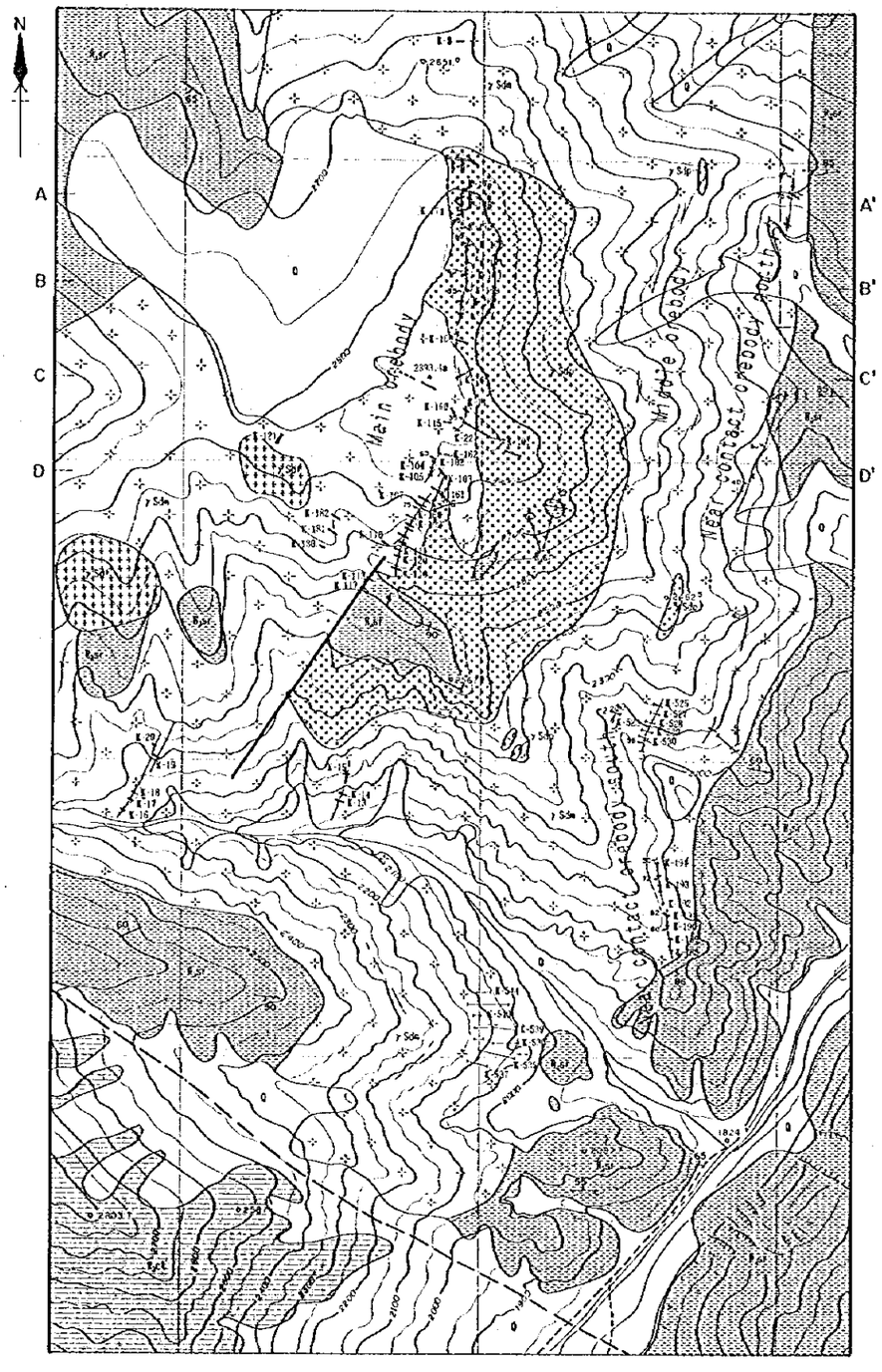
Fault a)actual b)inferred c)concealed

Thrust fault

Strike and dip (bedding)

Bedding plane

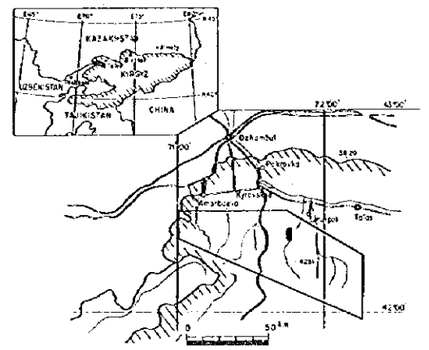




PL. -3

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Geological Map of the Shyraldzhyn Area



JAPAN INTERNATIONAL COOPERATION AGENCY
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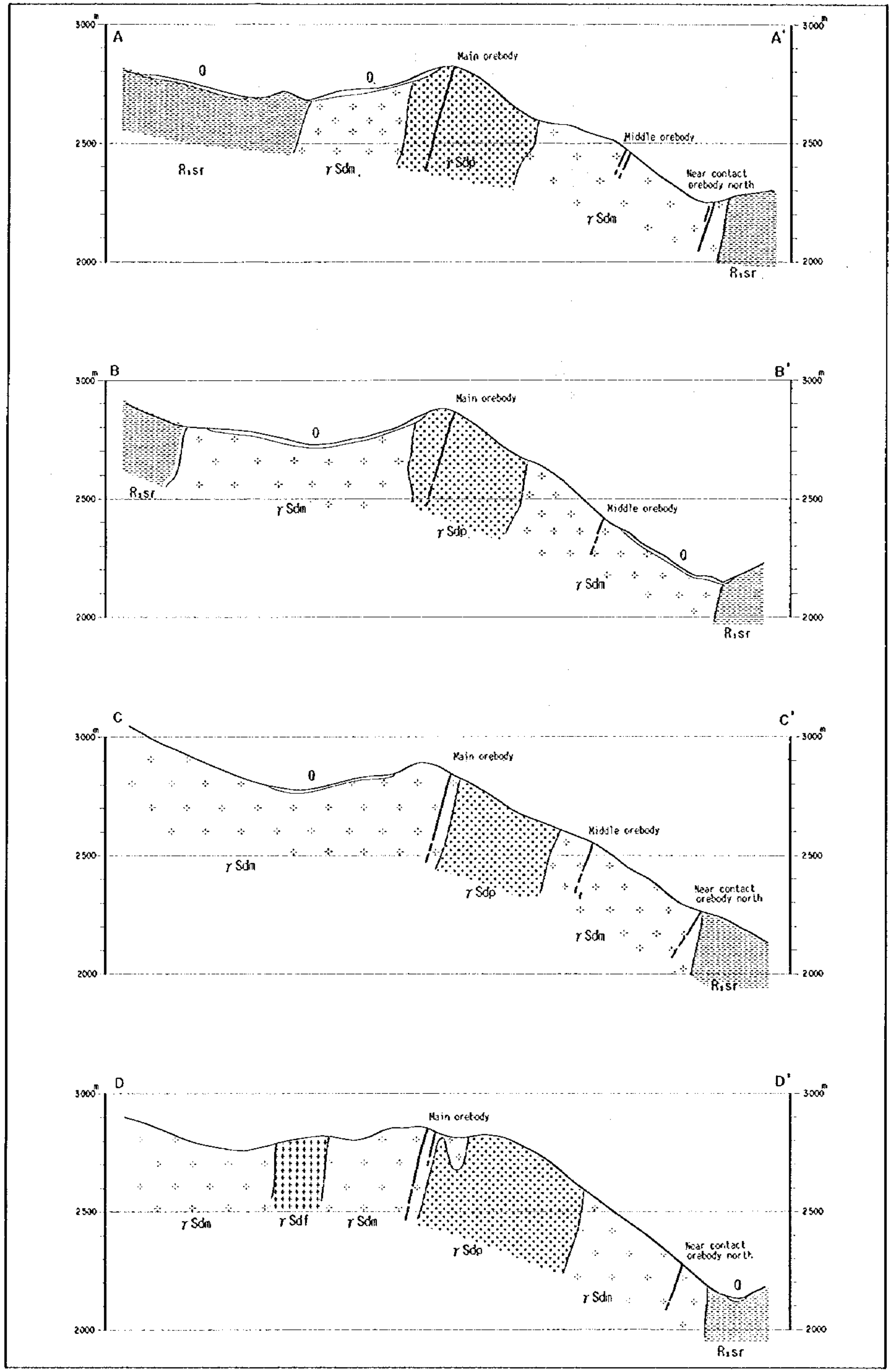
0 500 1000m

LEGEND

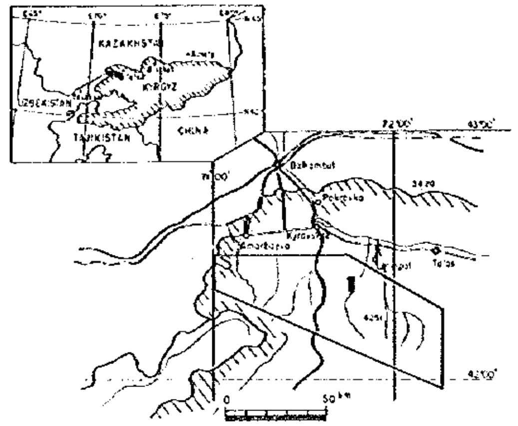
- Quaternary recent sediments — Q: loess, detritus
- Proterozoic — Chatkaragaiskaya Gr. — Rct: Limestone, calcareous shale, calcareous sandstone
- Proterozoic — Sarydzhonskaya Gr. — Rsr: Shale, sandstone, limestone
- Paleozoic — Intrusives — γSdp: Granite porphyry
- Paleozoic — Intrusives — γSdf: Fine-medium grained granite
- Paleozoic — Intrusives — γSdm: Medium grained granite
- Vein: a) already known b) presumed
- Fault: a) actual b) inferred
- Strike and dip (bedding)
- Strike and dip (vein)
- Trench
- Adit



PL. -1

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Geological Profile of the Shyraldzhyn Area



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0 500 1000m

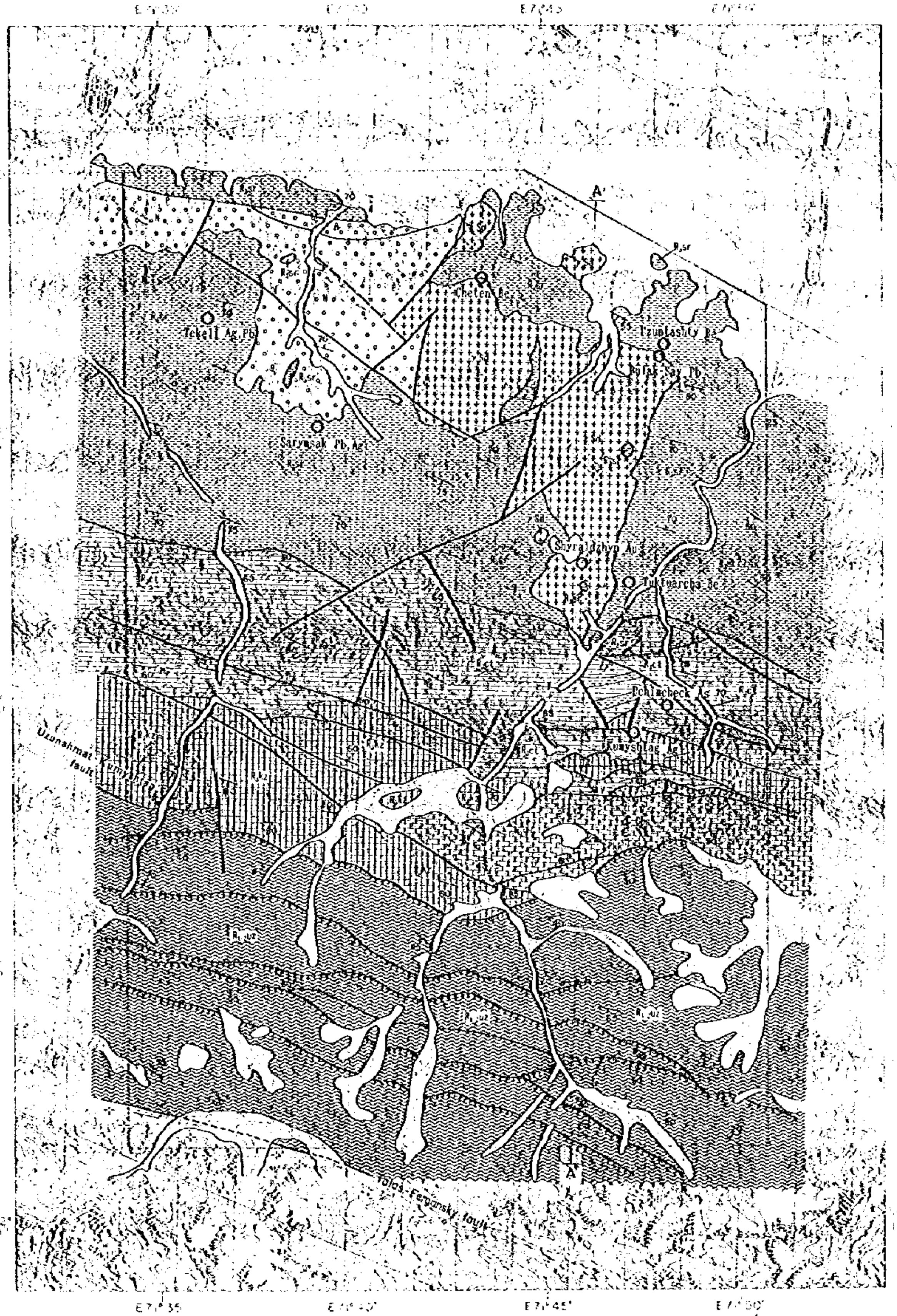
LEGEND

Quaternary-recent sediments — Q Loams, detritus

Proterozoic Sarydzhonskaya Gr. — R_1sr Shale, sandstone, limestone

Paleozoic Intrusives:
- γ Sdp Granite porphyry
- γ Sdf Fine medium grained granite
- γ Sdm Medium grained granite

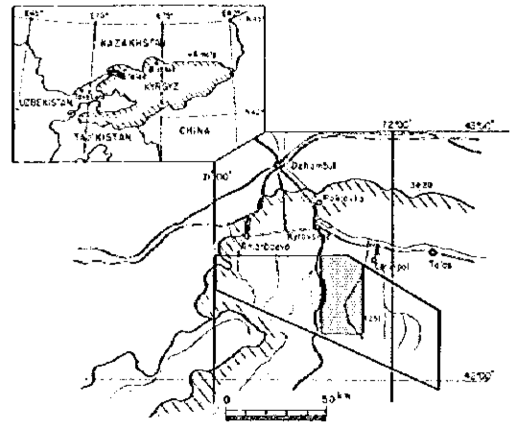
Vein a) already known
b) presumed



PL. -5

THE MINERAL EXPLORATION IN THE TALAS AREA, THE KYRGYZ REPUBLIC (PHASE II)

Distribution of Ore Deposits in the Kumyshtag Area



JAPAN INTERNATIONAL COOPERATION AGENCY

METAL MINING AGENCY OF JAPAN

FEBRUARY 1996

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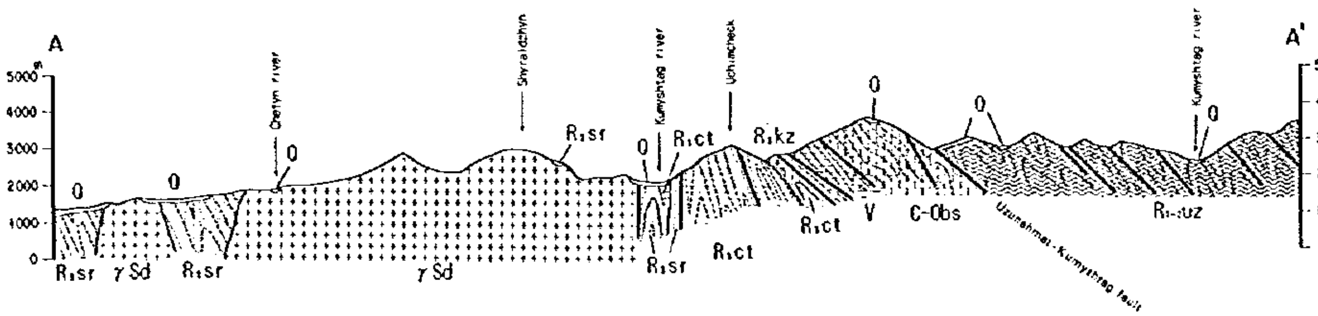
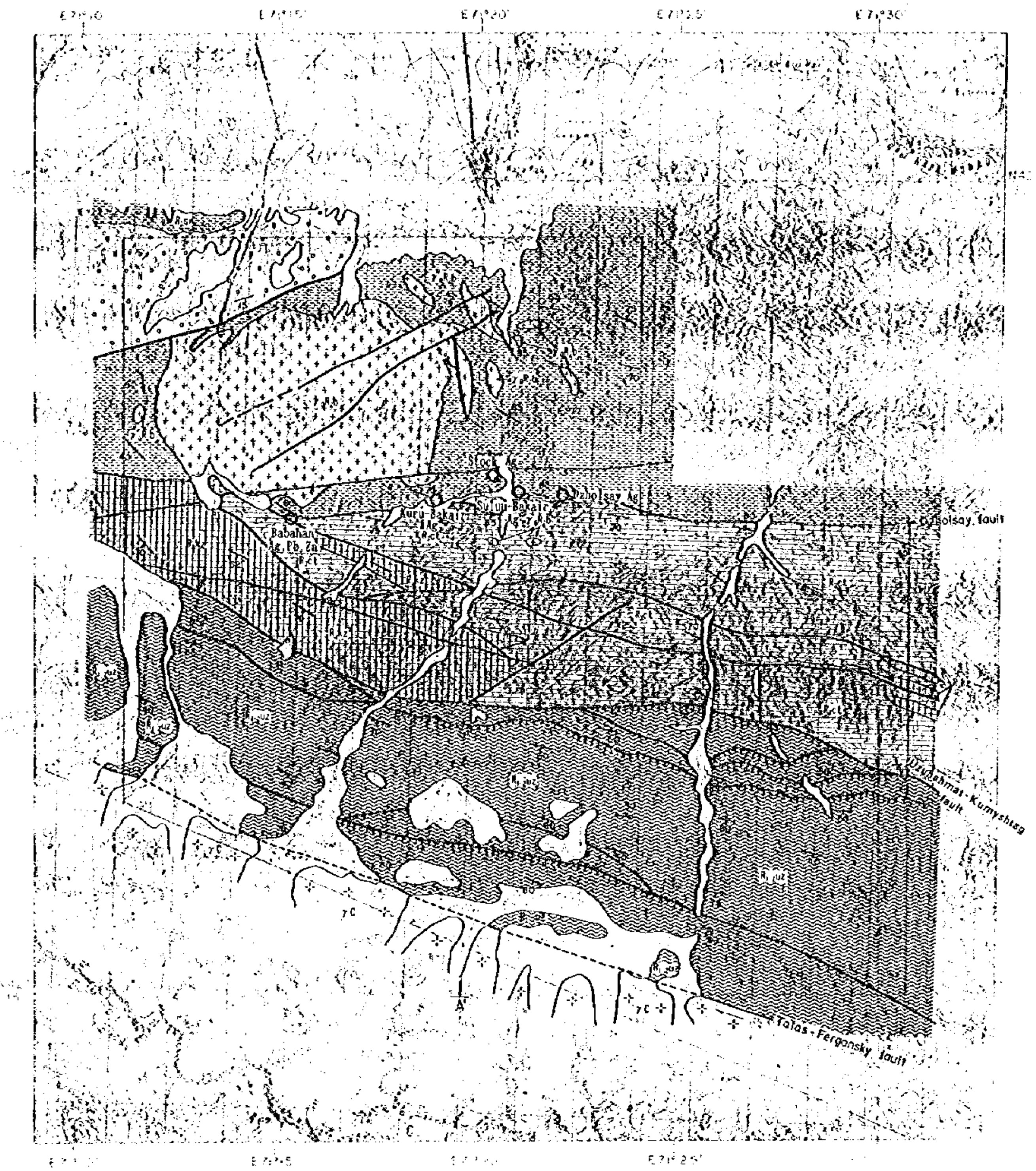
0 — 10 km

LEGEND

Cenozoic	Quaternary-recent			Q	Conglomerate, clay
	Neogene			N	Conglomerate, sandstone, clay
	Paleogene	Kokturmikskaya		Pok	Clay, conglomerate
Paleozoic	Cambrian-Ordovician	Beshtashskaya Fm.		C-Obs	Limestone, dolomite
Proterozoic	Vendian			V	Conglomerate, sandstone, siltstone, shale
	Riphean	Kyzylbelskaya Fm.		Rkz	Siltstone, sandstone
		Chatkaragaiskaya Gr.		Rct	Limestone, siltstone, shale, sandstone
		Sarydzhonskaya Gr.		Rsr	Siltstone, shale, sandstone, limestone
		Uzunakhmatskaya Gr.		Ruz	Sandstone, phyllite, shale, limestone
Igneous rock	Carboniferous	Middle Tien-shan granites		γC	Granite
	Silurian-Devonian	Kumyshtag batholith		γSd	Granite
			a b c		Fault a) actual b) inferred c) concealed
					Thrust fault
					Strike and dip (bedding)
					Bedding plane

Deposit name	Kind of element
○ Shyraldzhyn	Au

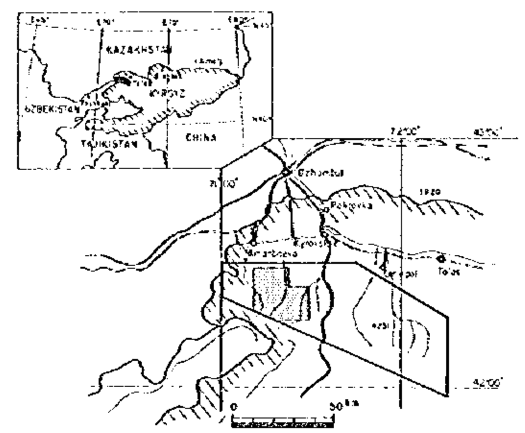




PL.-6

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Distribution of Ore Deposits in the Babahan Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1996
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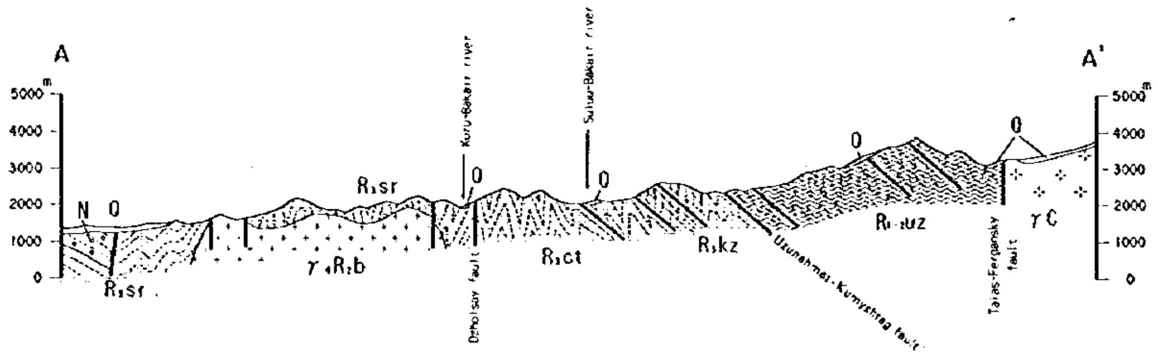
0 — 10 km

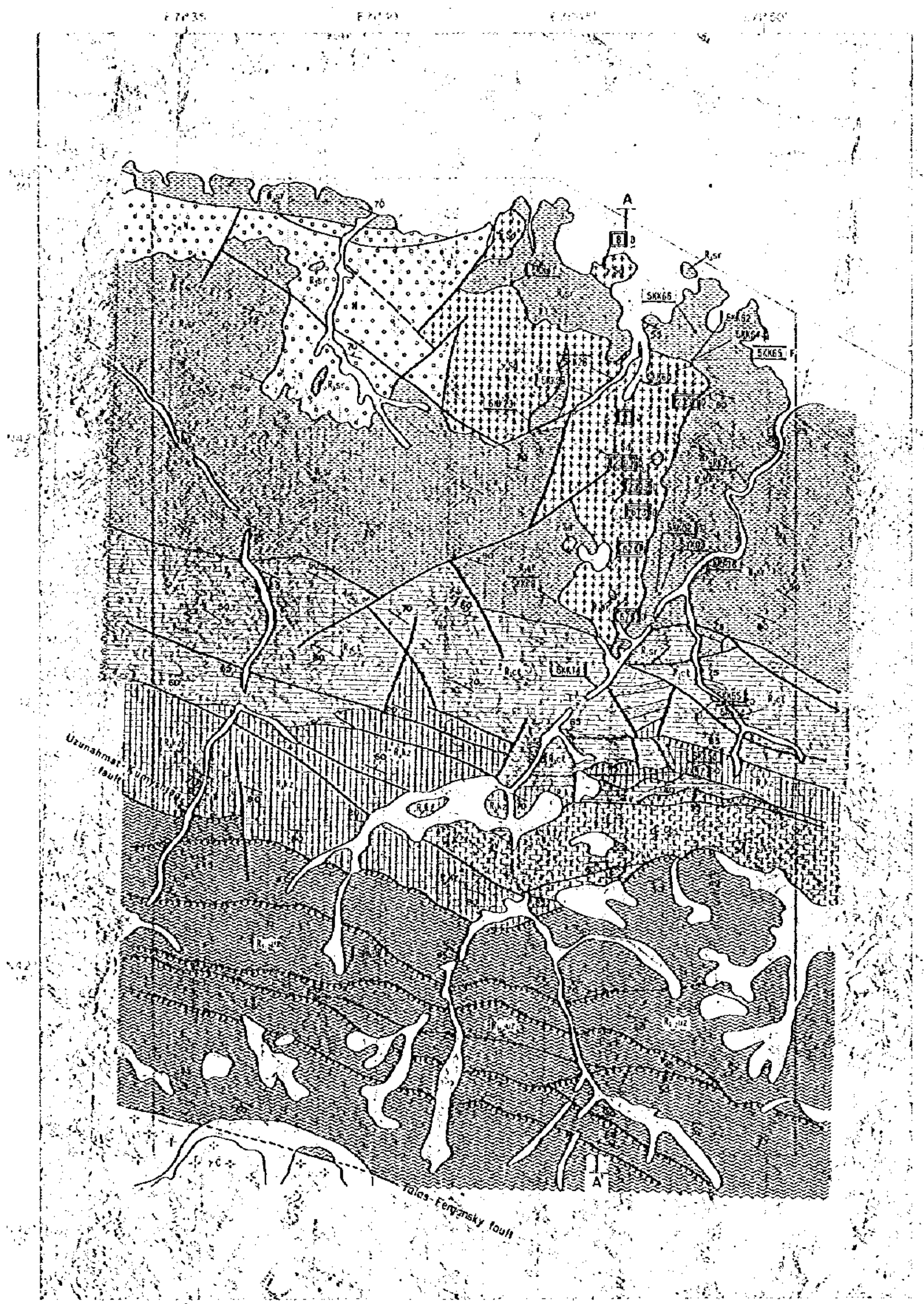
LEGEND

Cenozoic	Quaternary-recent			Q	Conglomerate, clay
	Neogene			N	Conglomerate, sandstone, clay
Proterozoic	Riphean	Kzylbelskaya Fm.		RKz	Siltstone, sandstone
		Chatkaragaiskaya Gr.		Rct	Limestone, siltstone, shale, sandstone
		Sarydzhaskaya Gr.		Rsr	Siltstone, shale, sandstone, limestone
		Uzunahmatskaya Gr.		R uz	sandstone, phyllite, shale, limestone
Igneous rock	Carboniferous	Middle Tien-shan granites		γC	Granite
	Riphean	Babahan batholith		γR	Granite

Fault a)actual b)inferred c)concealed
Thrust fault
Strike and dip(bedding)
Bedding plane

Deposit name — Kind of element
○ Kuru-Bakair — Ag

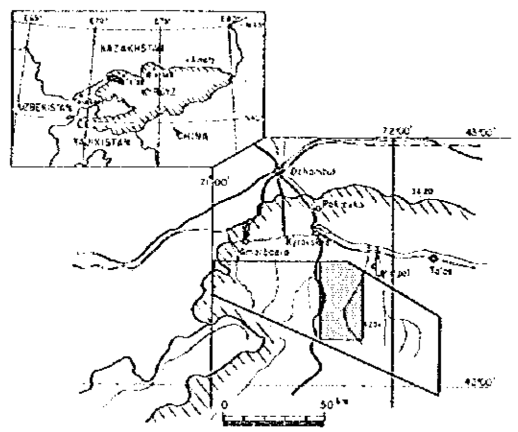




PL.-7

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Location Map of Rock and Ore Samples in the Kumyshtag Area



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METAL MINING AGENCY OF JAPAN
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0 10km

LEGEND

Cenozoic	Quaternary (recent)			Q	Conglomerate, clay
	Neogene			N	Conglomerate, sandstone, clay
	Paleogene	Kokturnukskaya		Pkk	Clay, conglomerate
Paleozoic	Cambrian-Ordovician	Beshtashskaya Fm.		C-Obs	Limestone, dolomite
Proterozoic	Vendian			V	Conglomerate, sandstone, siltstone, shale
	Riphean	Kyzylbelskaya Fm.		Rkz	Siltstone, sandstone
		Chatkaragaiskaya Gr.		Rct	Limestone, siltstone, shale, sandstone
		Sargyzhenskaya Gr.		Rsr	Siltstone, shale, sandstone, limestone
		Uzunakhmatskaya Gr.		Ruz	Sandstone, phyllite, shale, limestone
Igneous rock	Carboniferous	Middle Tien shan granites		γC	Granite
	Silurian-Devonian	Kumyshtag batholith		γSd	Granite

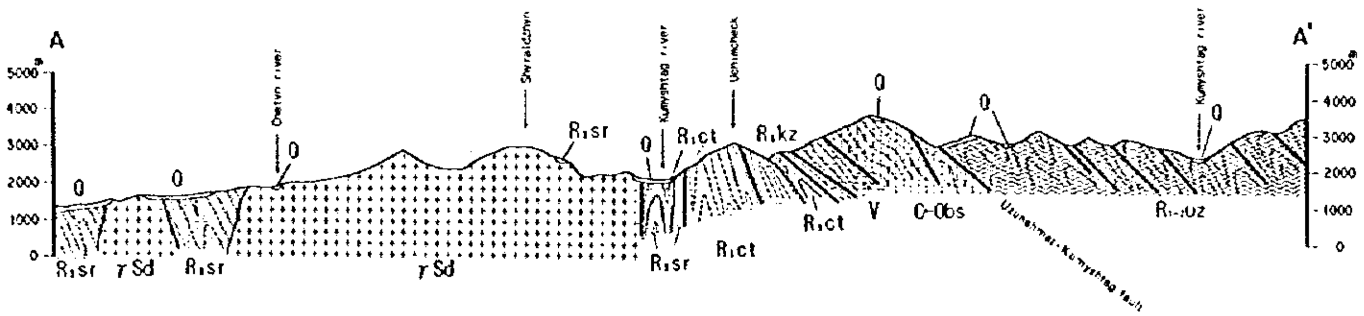
Fault a) actual b) inferred c) concealed

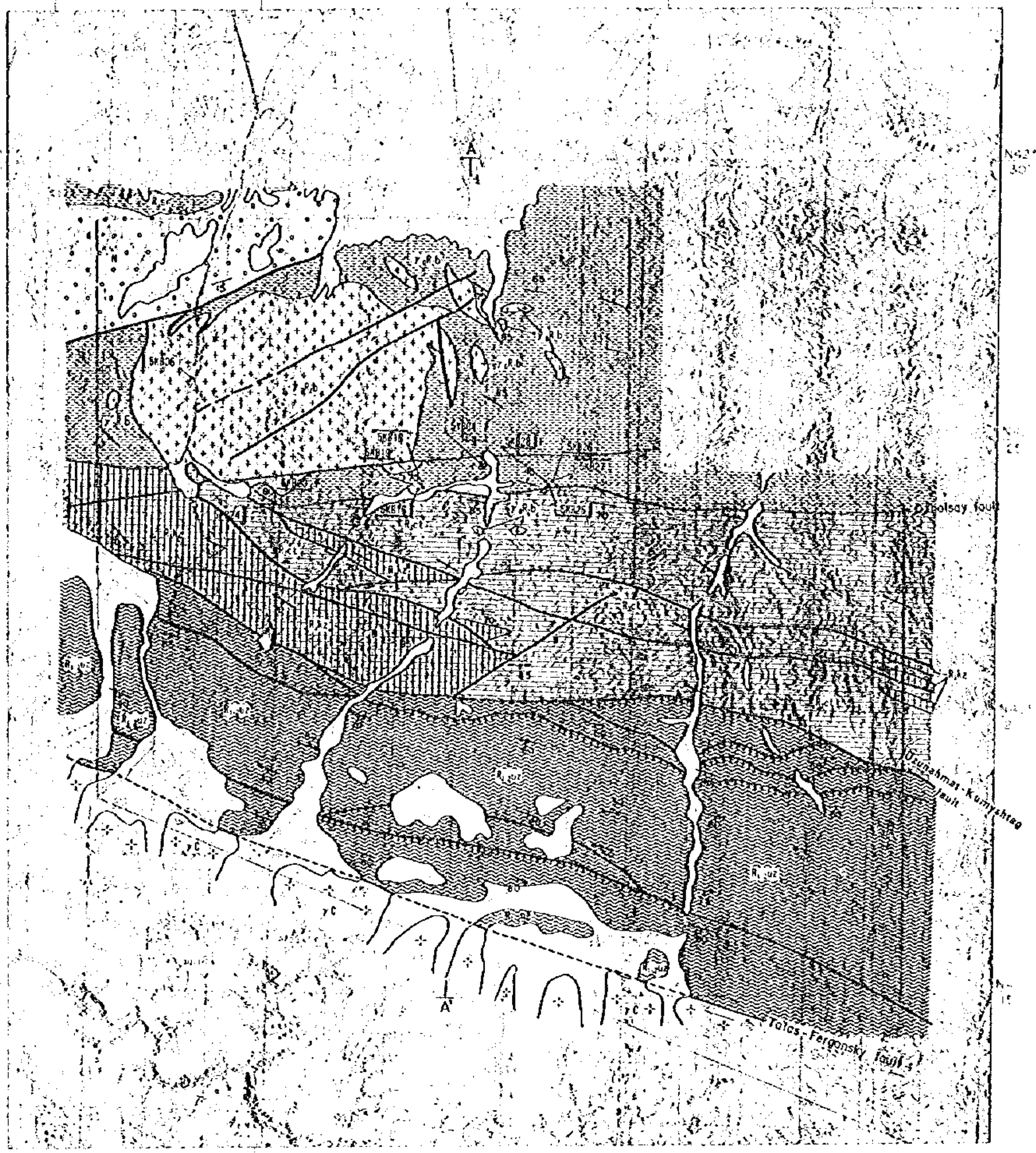
Thrust fault

Strike and dip (bedding)

Bedding plane

SKN14 : Sample No.
: Thin section
: Polished section
: Chemical analysis
: X-ray diffraction analysis
F : Homogenization temperature measurement of fluid inclusion
D : Dating (after Institute of Geology of National Academy (unpublished))

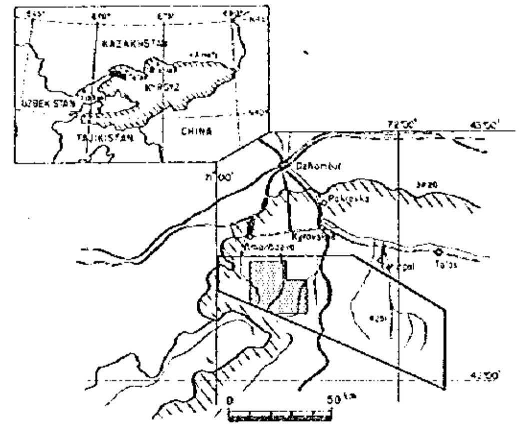




PL.-8

THE MINERAL EXPLORATION IN THE TALAS AREA, THE KYRGYZ REPUBLIC (PHASE II)

Location Map of Rock and Ore Samples in the Bababan Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1996
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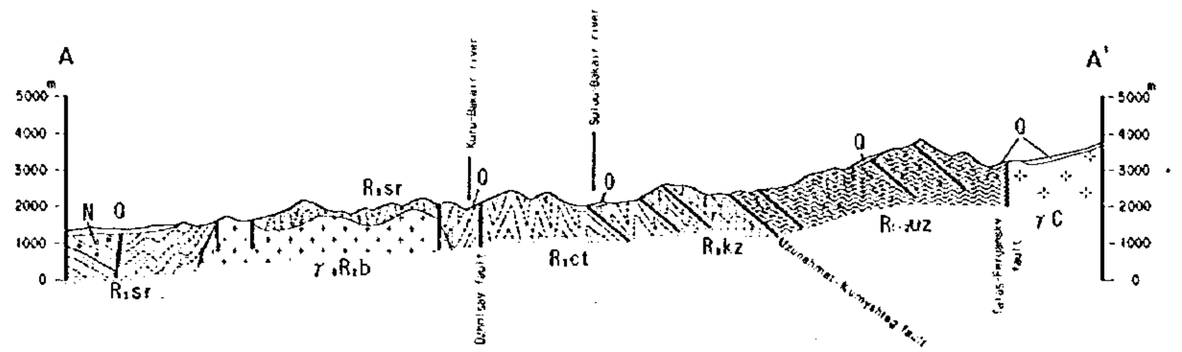
0 — 10 km

LEGEND

Cenozoic	Quaternary-present			Q	Conglomerate, clay
	Neogene			N	Conglomerate, sandstone, clay
Proterozoic	Riphean	Kyzylbelskaya Fm.		Rkz	Siltstone, sandstone
		Chatkaragaiskaya Gr.		Rct	Limestone, siltstone, shale, sandstone
		Sarydzhonskaya Gr.		Rsr	Siltstone, Shale, sandstone, limestone
		Uzunakhmatskaya Gr.		Rjuz	sandstone, phyllite, shale, limestone
Igneous rock	Carboniferous	Middle Tien-shan granites		γC	Granite
	Riphean	Bababan batholith		γRb	Granite

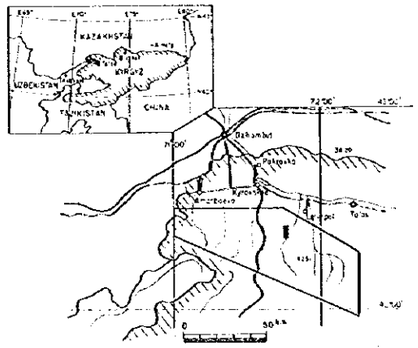
Fault a) actual b) inferred c) concealed
Thrust fault
Strike and dip (bedding)
Bedding plane

SKB05 : Sample No.
: Thin section
: Polished section
: Chemical analysis
: X-ray diffraction analysis
F : Homogenization temperature measurement of fluid inclusion



THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Location Map of Rock and Ore Samples in the Shyraldzhyn Area



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FEBRUARY 1996
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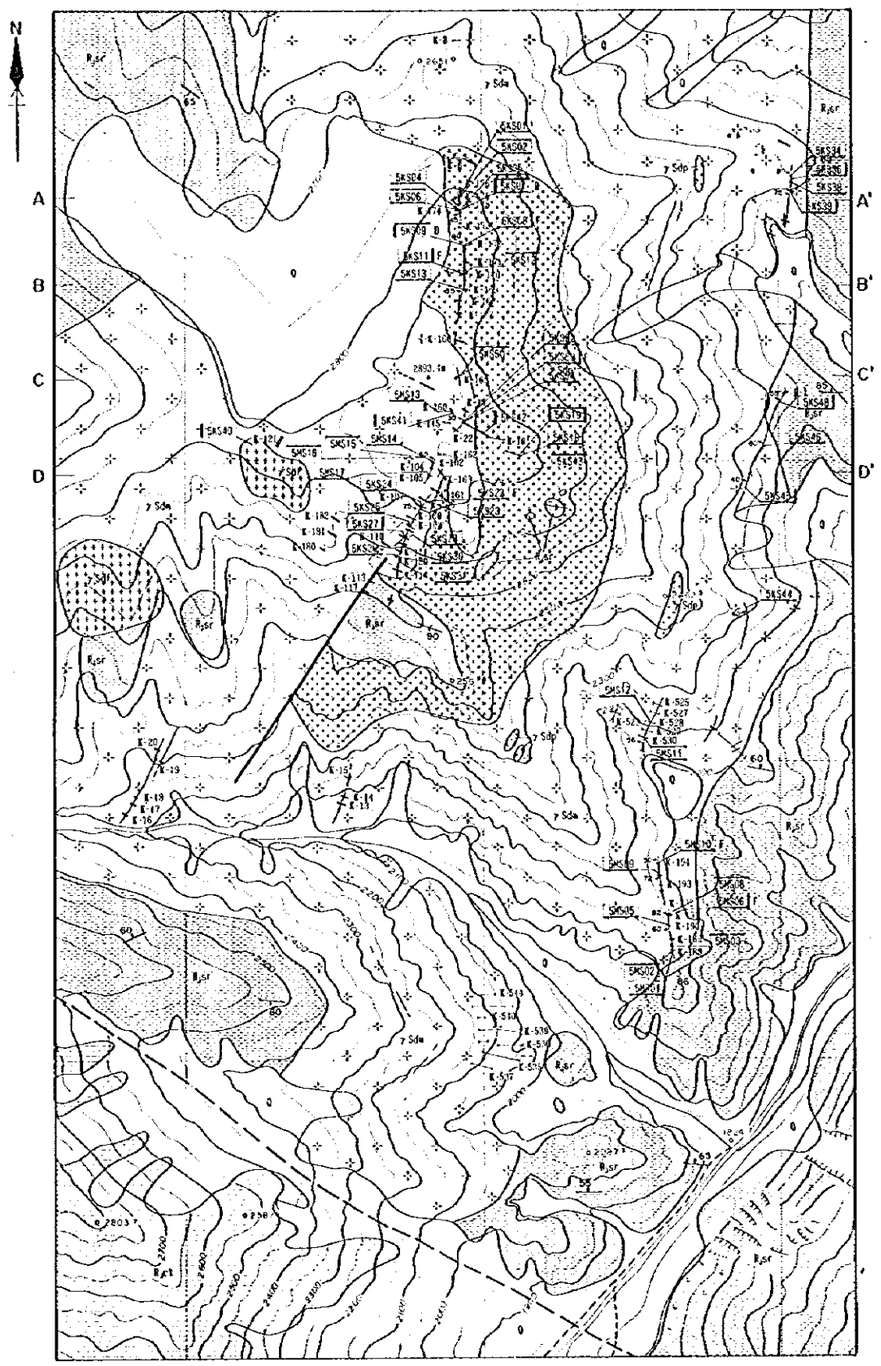
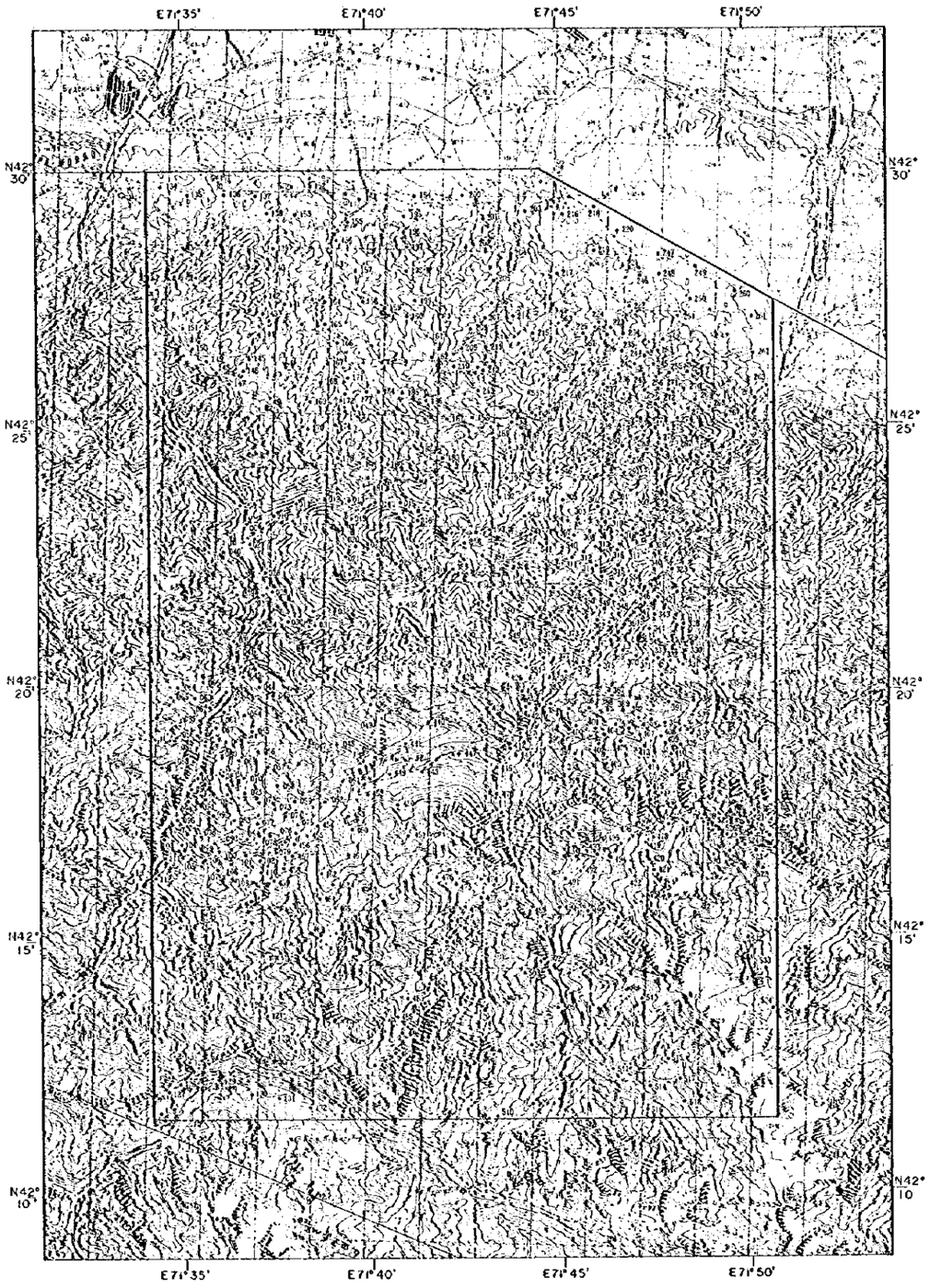


0 500 1000m

LEGEND

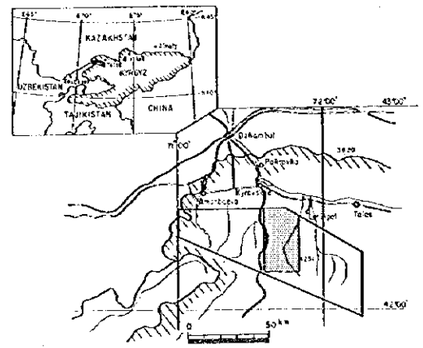
- Quaternary recent sediments — Q: Loam, detritus
- Proterozoic — Chatkharagaiskaya Gr. — Rct: Limestone, calcareous shale, calcareous sandstone
- Proterozoic — Sarydzhonskaya Gr. — R,sr: Shale, sandstone, limestone
- Paleozoic — Intrusives — γSdp: Granite porphyry
- Paleozoic — Intrusives — γSdf: Fine medium grained granite
- Paleozoic — Intrusives — γSdm: Medium grained granite
- Vein: a) already known b) presumed
- Fault: a) actual b) inferred
- Strike and dip (bedding)
- Strike and dip (vein)
- Trench
- Adit
- SKS01 : Sample No.
- : Thin section
- : Polished section
- : Chemical analysis
- : X-ray diffraction analysis
- D : Dating
- F : Homogenization temperature measurement of fluid inclusion



PL. -10

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Location Map of Soil Samples in the Kumyshtag Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1996
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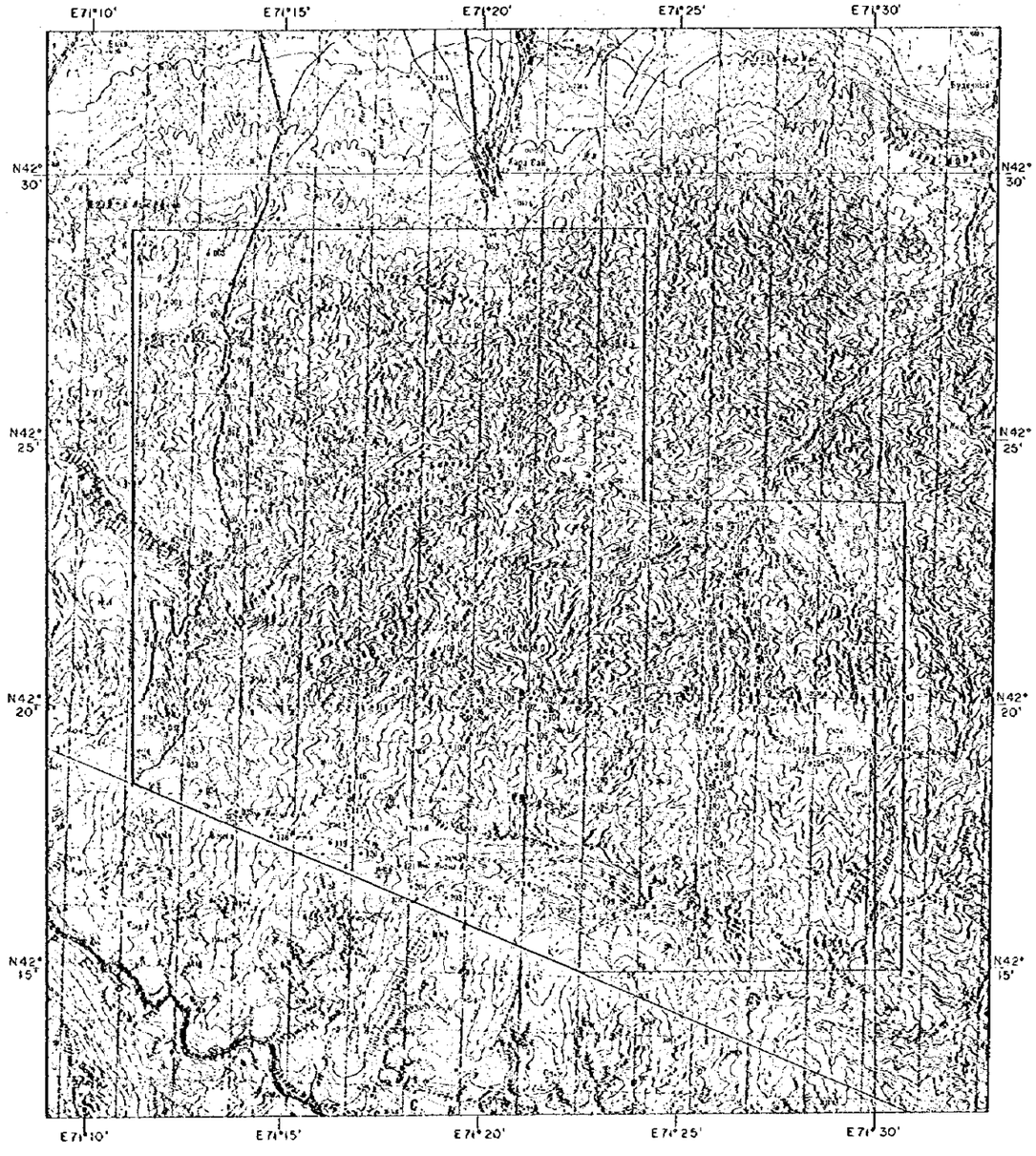
0 10 km

LEGEND

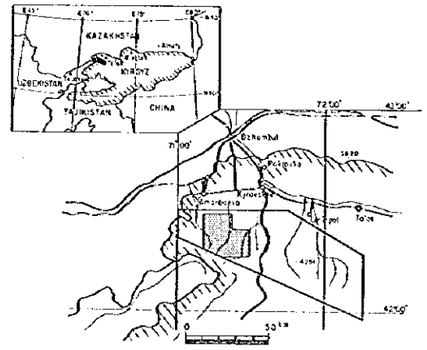
• 001 : Sampling point and sample number
("SAK" of sample number is cut off on the map)



PL. -11

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Location Map of Soil Samples in the Babahan Area



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1996
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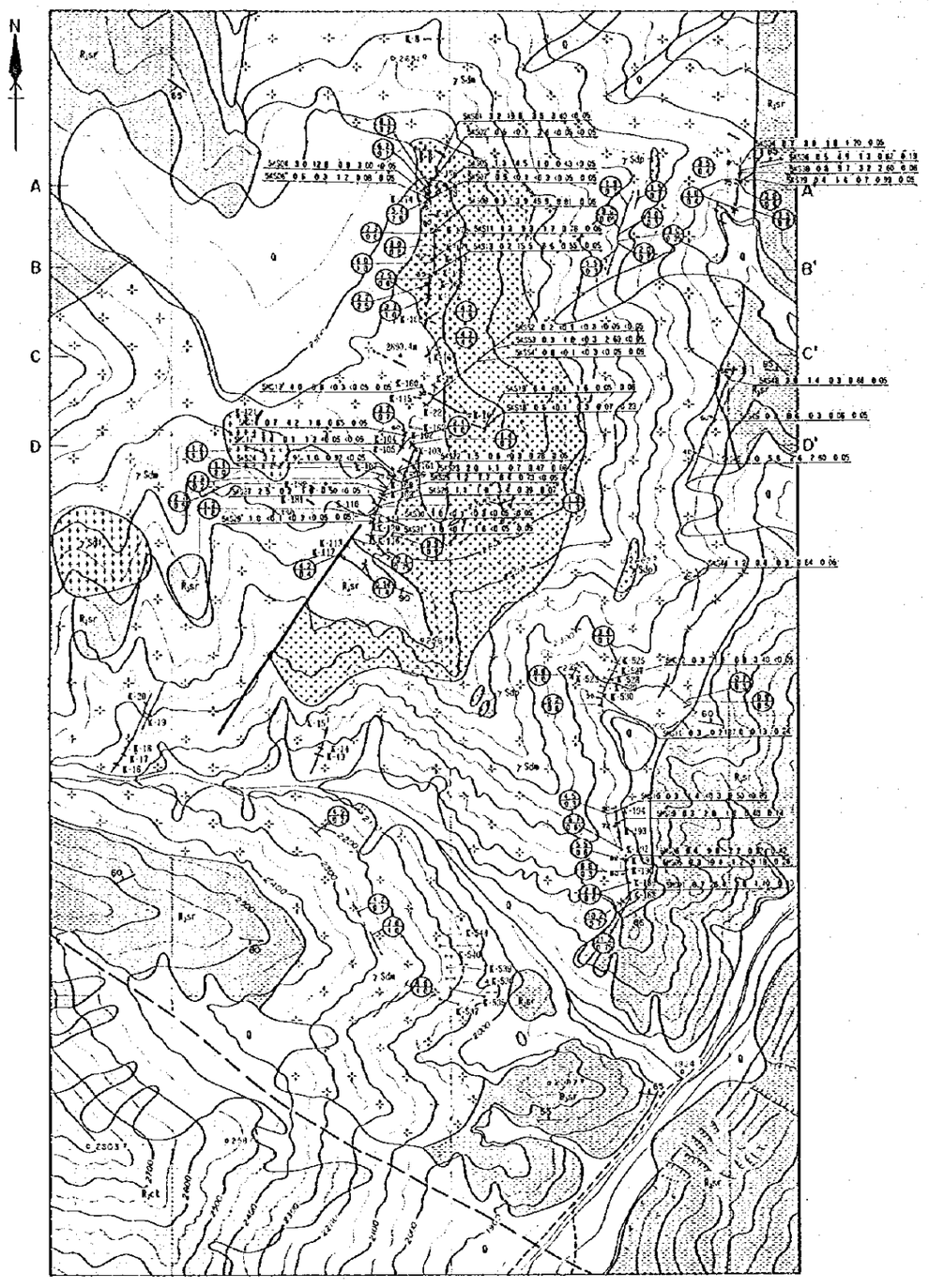
0 10km

LEGEND

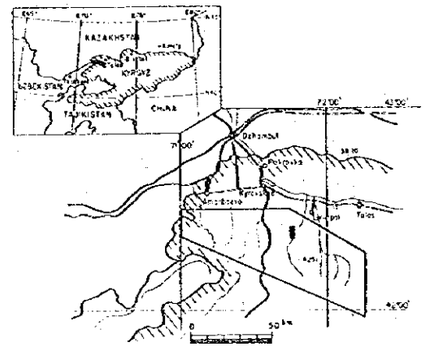
• 001 : Sampling point and sample number
("SAB" of sample number is cut off on the map)



PL. -12

THE MINERAL EXPLORATION
IN
THE TALAS AREA, THE KYRGYZ REPUBLIC
(PHASE II)

Assay Map of the Shyraldzhyn Deposit



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FEBRUARY 1996
Prepared by MINDECO

0 500 1000m

LEGEND

- Quaternary-recent sediments: Q Loam, detritus
- Proterozoic — Chatkaragaiskaya Gr.: Rct Limestone, calcareous shale, calcareous sandstone
- Proterozoic — Sarydzhonskaya Gr.: Rsr Shale, sandstone, limestone
- Paleozoic intrusives: γSdp Granite porphyry
- Paleozoic intrusives: γSdf Fine-medium grained granite
- Paleozoic intrusives: γSdm Medium grained granite
- Vein a) already known b) presumed
- Fault a) actual b) inferred
- Strike and dip (bedding)
- Strike and dip (vein)
- Trench
- Adit

Sample No. Au (g/t) Ag (g/t) Cu (%) As (%)
S4501 3.2 19.6 3.5 3.49 <0.05
(S4508 Host rock sample)

(after Geological Department, Kyrgyz SSR (1987))

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