argillized parts of mafic rocks. Azurite and chrysocolla occur in parts of the gossans in the central part of the prospect.

The results of time-domain IP survey show that the resistivities of the zone extended below gossans are similar to those of the surrounding non-mineralized zone, and the chargeabilities are lower than those of the surrounding silicified zones. The size of mineralized zones expected to occur below gossans is estimated to be small.

Blind mineralized zones can not be expected below the extensively silicified zone which occurs around gossans because the chargeabilities of the zones below silicified zones are similar to those of surface outcrops.

High chargeability anomalies are identified at the southern margin of the zone. These anomalies are located adjoining to the silicified zone. The shape on cross sections, chargeabilities and resistivities of these anomalies indicate that these anomalies are characterized by the dissemination of sulphide minerals. The above characteristics and the mineralizations observed on the surface suggest that these anomalies may indicate the existence of disseminated sulphide minerals.

(4) Masköy Prospect in the Dikmendağ Zone

The mineralization is composed of limonite network/veinlet and pyrite dissemination. The host rock of the mineralization is basalt. These features in the Masköy mineralized zone is similar to those of the mineralized zones in the Küre zone

A silicified zone is close by this mineralized zone and dacite further. This silicification, then, may be interpreted to be caused by the dacite intrusion. Any evidences which suggest the intrusion to invite this silicification, however, is not found, as any silicification and/or mineralization is absent around the other dacite bodies in the Dikmendağ zone

We will only give a possibility that this mineralization is similar to the Cyprus-type mineralization, because field data are not enough to discuss it further.

4-2 Conclusions

< Küre Zone >

In the first phase survey, the conducted works were; compilation of available geological and geophysical information, geological survey, and geophysical survey comprising CSAMT and IP.

In the second phase, four holes totaling 1,003.55m in length were drilled in the promising areas of the Küre zone, which were delineated by the geological and geophysical surveys during the previous year. Also two holes were electrically logged.

In the third phase, drilling exploration comprising four holes totaling 953.70m in length continued.

Following conclusions are obtained as the results of the above works.

(1) The geology of the zone consists of pre-Jurassic ultramafic rocks, Jurassic basalt, sedimentary rocks of the Küre Formation, grayish white fossiliferous limestone of the Lower Cretaceous Karadana Formation, pale brown and white marl of the Upper Cretaceous Çağlayan Formation, talus deposits and intrusive diorite and dacite.

(2) The major part of the zone is occupied by the Jurassic Küre Formation. The basalt is composed of pillow lava, hyaloclastite, and massive basalt. Sedimentary facies of the Küre Formation is composed of angularly fragmentated greywacke and tectonically sheared/argillized black shale. The matrix consists of pelitic materials.

Basalt and brecciated sediments of the Küre Formation are interpreted as a constituent of melange.

(3) The geologic structure of this zone is characterized by many faults. They are divided into two systems; N-S and E-W. The former system is crosscut by the latter. The surface elongation of the intrusive bodies is harmonious with the strike of the faults in the vicinity and with the boundary between sediments and basalt of the Küre Formation.

Basalt is distributed extending to N-S and NNW-SSE direction with imbricate structure.

(4) The known ore deposits are the Cyprus-type deposits. The new ore deposits of the same type are expected to occur in the zone. They occur at the boundary between hyaloclastite and black shale of the Küre Formation and also within hyaloclastite. They consist of massive ore, brecciated ore, network ore and disseminated ore.

(5) Ore deposits together with footwall mineralized zone and hanging-wall pelitic rock are considered to be dislocated by the tectonic movements.

(6) Drilling in this study resulted in locating a massive ore with the drilled length 75 cm long and 4% Cu grade at the area to the southwest of the Bakibaba Deposit. The location and depth of ore correspond a weakly low resistivity zone defined by CSAMT. The characteristic of ore is similar to that of the known ore deposits. The potential of the Cyprus-type was confirmed by the drilling.

(7) Drilling at the northern extension of Zemberekler mineralized zone results in finding a mineralized zone. The zone which is located in the N-S and NNW-SSE extensions from the Zemberekler mineralized zone with low resistivity anomalies, are promising for future exploration.

(8) In the low resistivity zone to the south of Aşıköy Deposit, it was anticipated that massive orebodies would occur in the shallow parts due to displacement by a fault. The results of the survey in the second and this phase indicate that this low resistivity zone represents pelitic rocks and fault fractured zone. Therefore, it is considered that the possibility of the existence of massive orebodies of the scale of Aşıköy is low.

(9) Vein network and dissemination occur over the orebody at Bakibaba Deposit. Overturned structure is inferred in the surrounding area. The main orebody of Kızılsu Deposit is believed to be the vein network in the footwall side of the orebody.

On the basis of the above evidence, it is concluded that the gossan which is exposed between Bakibaba and Kızılsu Deposits is most probably the altered products in the footwall side of the mineralized zone.

(10) On the basis of the results of drilling survey done in the past two years, the low resistivity anomalies by CSAMT are considered to indicate zones dominated by pelitic rocks and/or fractured zones aside from some ore deposits. From the results of physical properties measurement in the first and third phase, it have been proved that massive ore, sulfide network, black shale and some sandstone cause low resistivity anomalies. Therefore, the suitable method for the exploration in this zone is the IP survey. As the size of known massive orebodies is small except Aşıköy Deposit, It is necessary to conduct such IP survey that has the line and station allocation of short distances.

< Taşköprü Zone >

In the first phase survey, the conducted works were; compilation of available geological and geophysical information, and geological survey.

In fiscal 1993, geophysical survey (IP, 21 line-km) was carried out at Cünür and Cozoğlu of the Taşköprü zone since these were concluded to be promising by geological survey during the first year.

Following conclusions are obtained as the results of the above works.

(1) The geology of the zone consists of Devrekani metamorphics, Çangal Meta-ophiolite, Kayadibi Formation, Muzrup Formation, Kızacik Formation, Alaçam Formation and Çayköy Formation in ascending order.

(2) Mineralization occurs in Cozoğlu, Cünür, Alayürek, Boyalı, Musabozarmut, Sey Yayla, Kepez and East of Cünür.

(3) The geology around Cozoğlu prospect is composed mainly of the Çangal Meta-ophiolite, the Kızacik Formation, and the Alaçam Formation. The meta-ophiolite consists of pelitic schist, massive metabasalt and green schist. The Kizacik Formation consists of grayish white limestone and the Alaçam Formation of quartz arenite and black mudstone.

There are two openings of old adits, a large amount of slag and waste dumps on the surface. They are distributed in the Çangal meta-ophiolite.

The mineralized zone observed in outcrops in this prospect is only a weak dissemination of pyrite.

The results of geophysical survey in the second phase show that high chargeability anomalies are distributed from the above zones which are covered by slags and waste dumps to the eastern part of this prospect. The shape of these anomalies on cross sections and the geology may indicate that bedded cupriferous pyrite deposits probably occur within these zones.

(4) The geology around the Cünür prospect is the Çangal Meta-ophiolite consisting of pelitic schist, massive basalt, and green schist. The mineralized

zone in this prospect is composed of eight lenses and bedded gossans in green schist. The gossans consist of quartz-limonite-pyrite network and limonite dissemination in the silicified and argillized parts of mafic rocks.

The results of time-domain IP survey show that resistivities of the zone extended below gossans are similar to those of the surrounding non-mineralized zone, and chargeabilities are lower than those of the surrounding silicified zones. The size of mineralized zones expected to occur below gossans is estimated to be small.

Blind mineralized zones may not be expected below the extensively silicified zone which occurs around gossans, because chargeabilities of the zones below silicified zone are similar to those of surface outcrops.

High chargeability anomalies are identified at the southern margin of the zone. These anomalies are located adjoining to the silicified zone. The shape on cross sections, chargeabilities, resistivities of these anomalies and geology suggest that these anomalies may indicate the existence of disseminated sulphide minerals.

< Dikmendağ Zone >

In the first phase survey, the conducted works were; compilation of available geological and geophysical information, and geological survey.

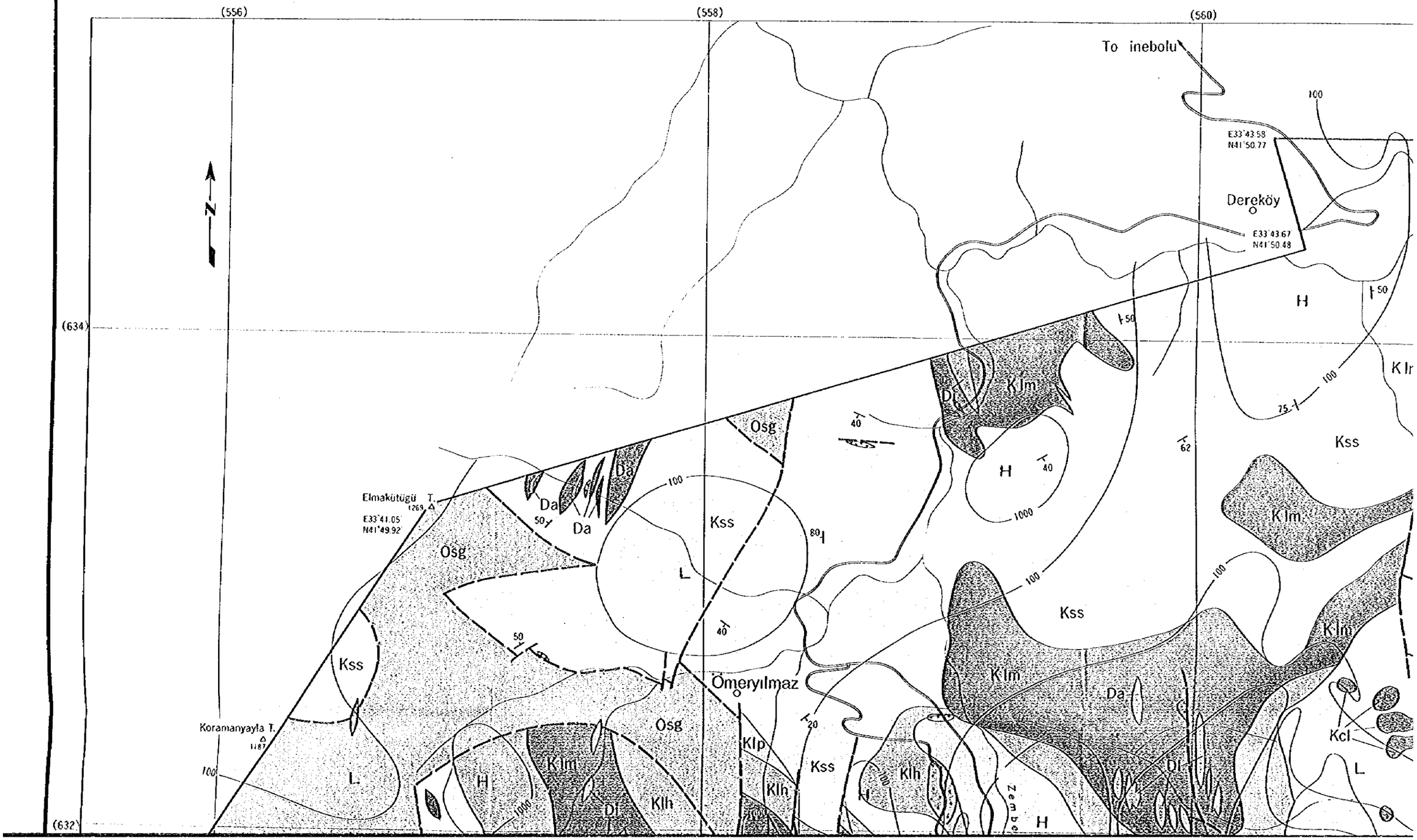
Following conclusions are obtained as the results of the above works.

(1) The geology of the zone consists of Küre Formation of Lias, Köstekciler Formation of Lower Cretaceous, Satiköy Formation of Upper Cretaceous and, intrusive dacite and diorite.

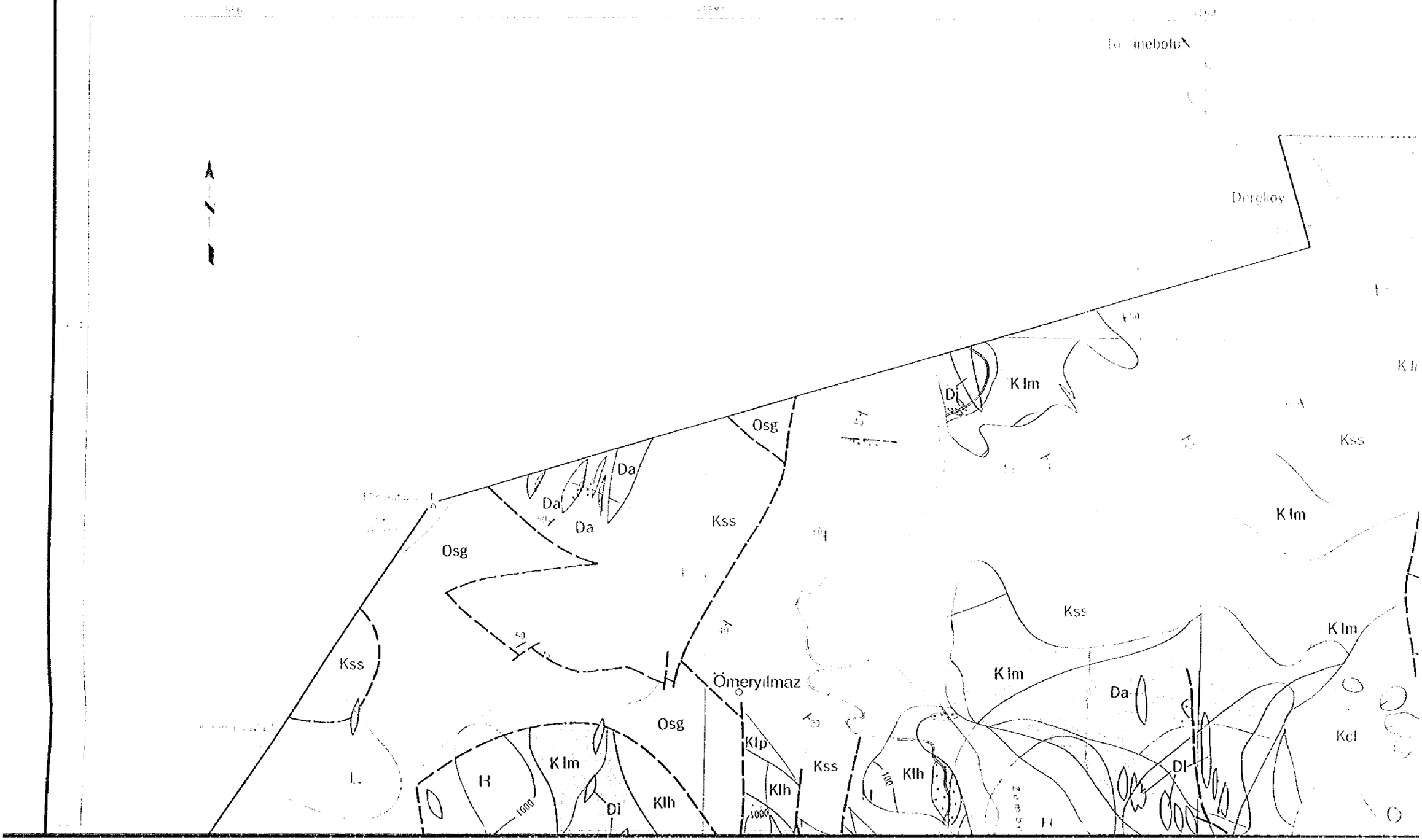
(2) Masköy mineralized zone consists of limonite network and pyrite dissemination over an area of 300x50m. The host rock is basalt and it is silicified to dark gray in the pyrite disseminated part of the zone. Dacite occurs in the vicinity, but it is fresh without evidences of alteration. There is not enough geological data to discuss whether this mineralization is Cyprus-type because surface manifestation of the mineralization is weak.

GEOLOGY AND ORE DEPOSITS O

Küre Zone



Küre Zone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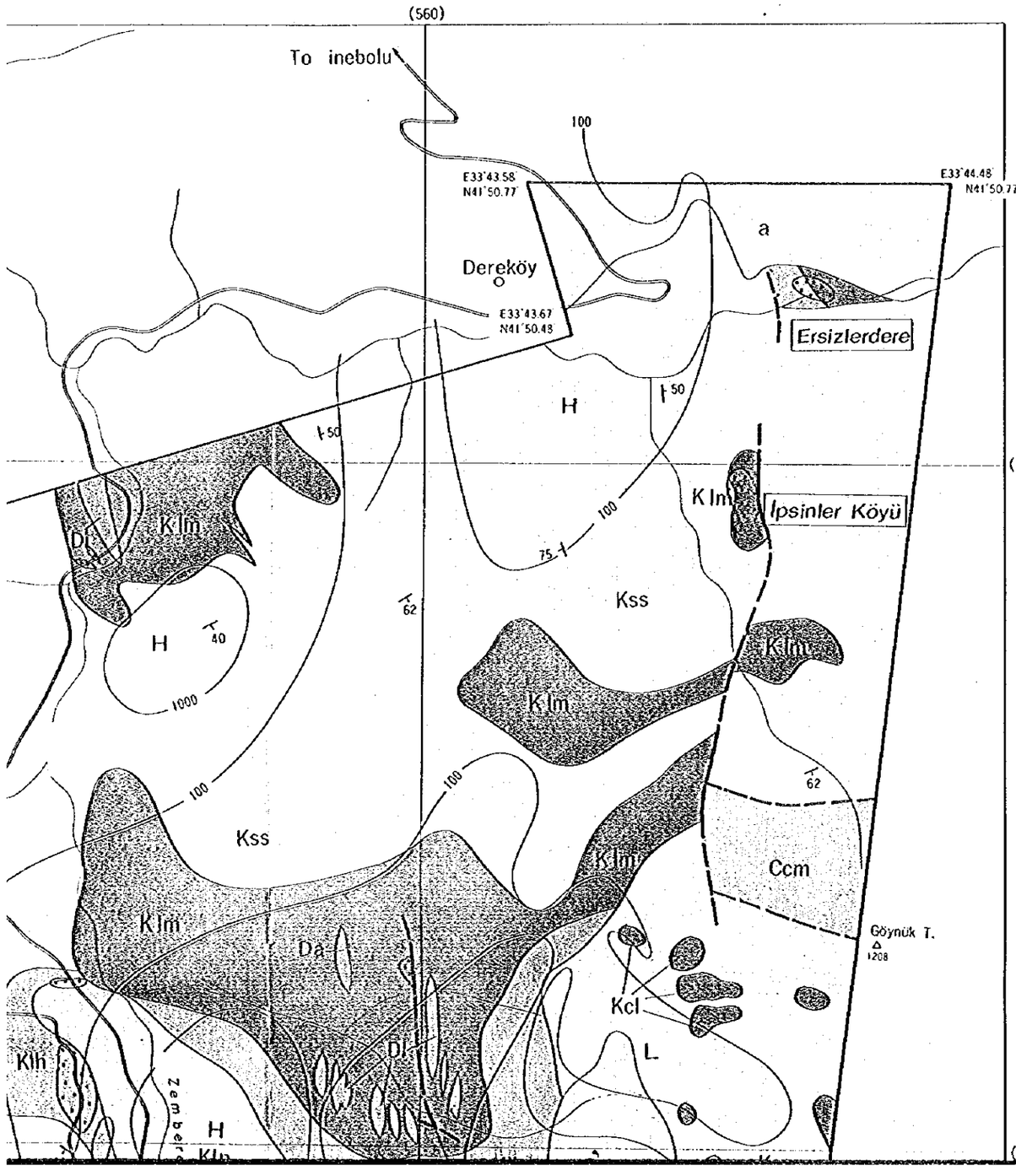

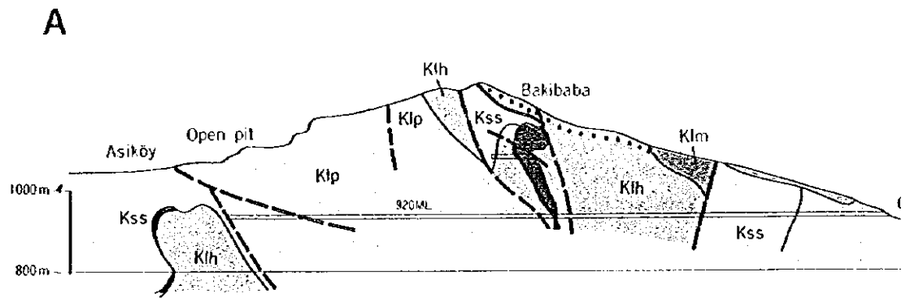

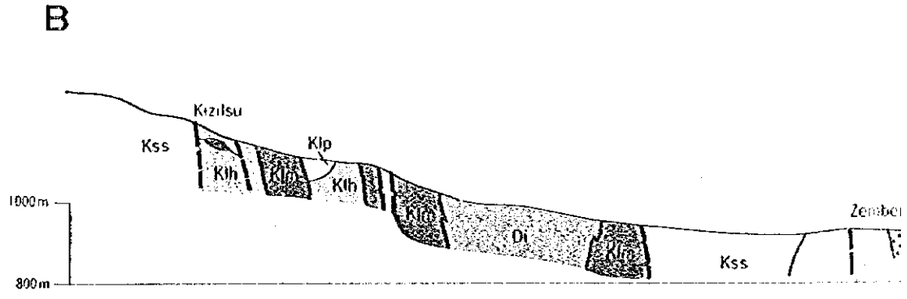

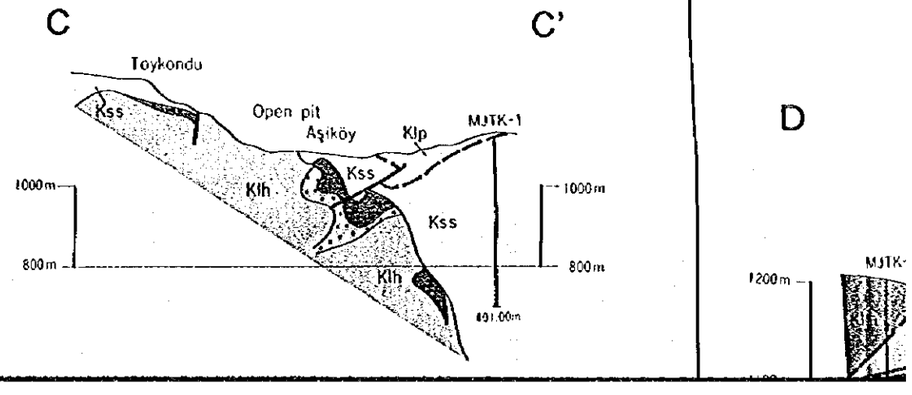

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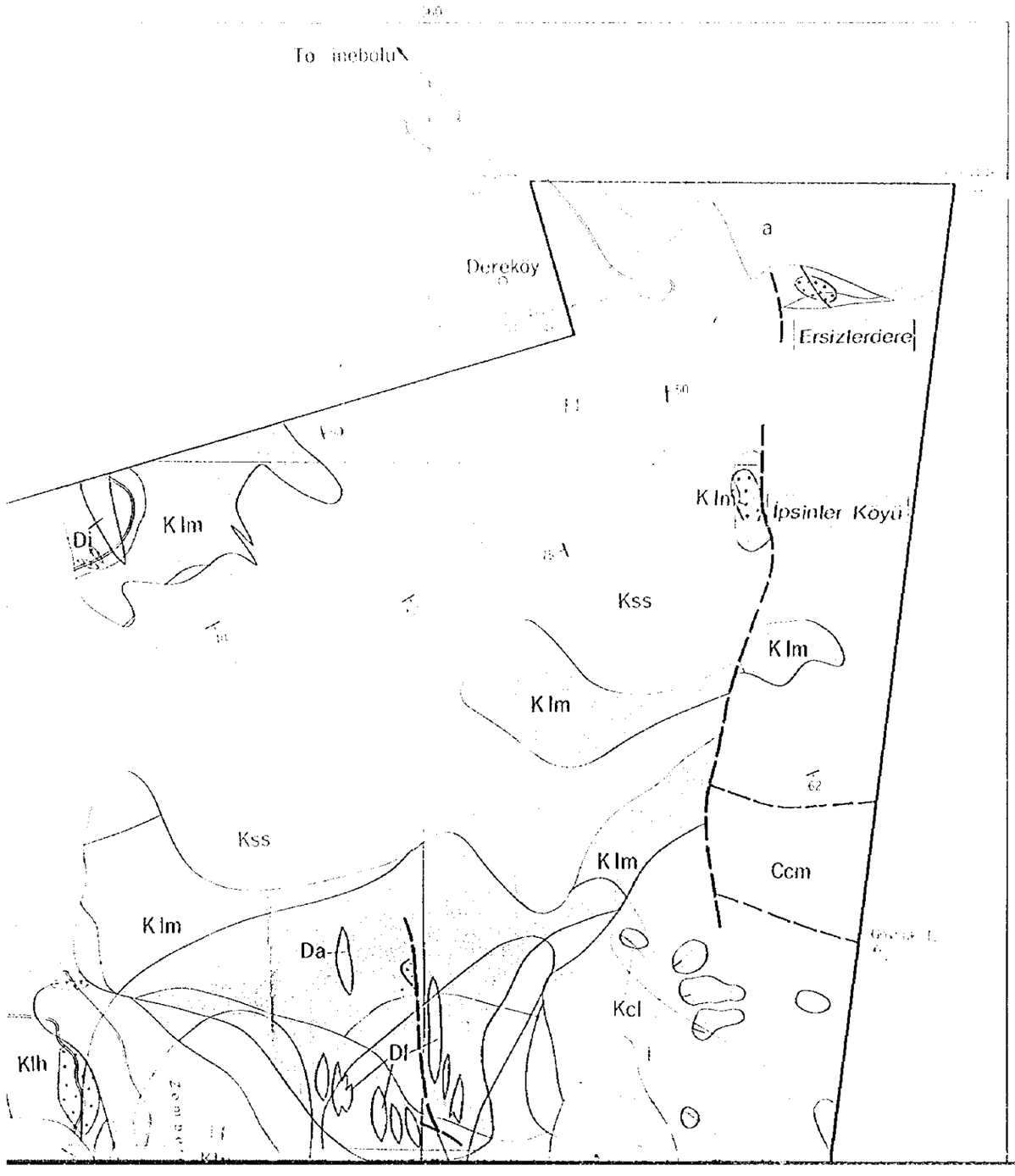

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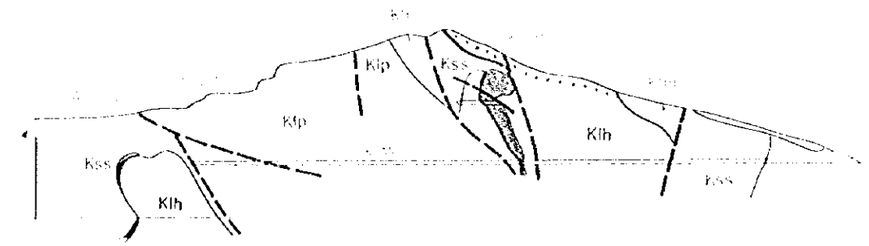

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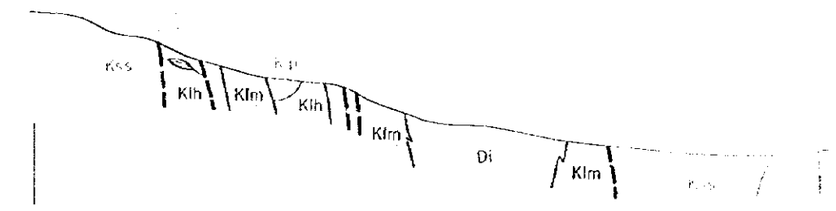

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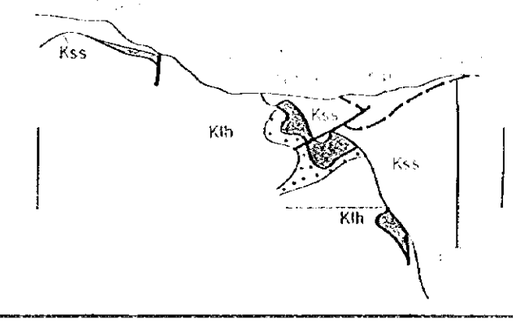
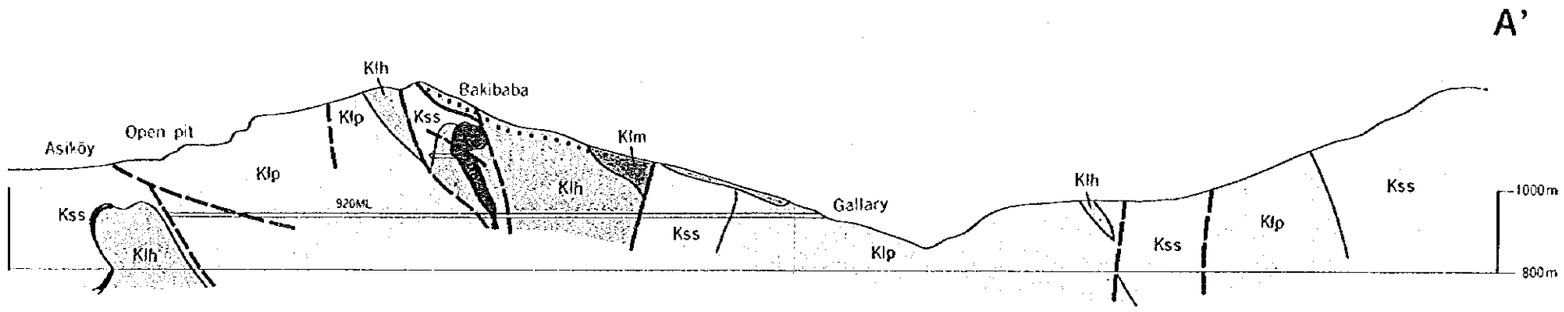
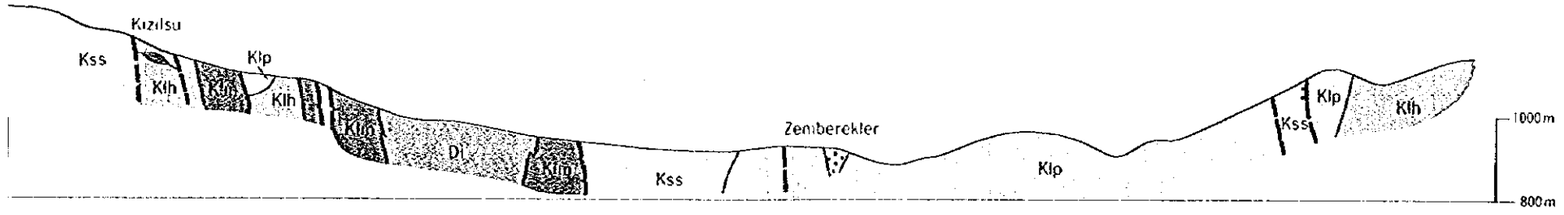
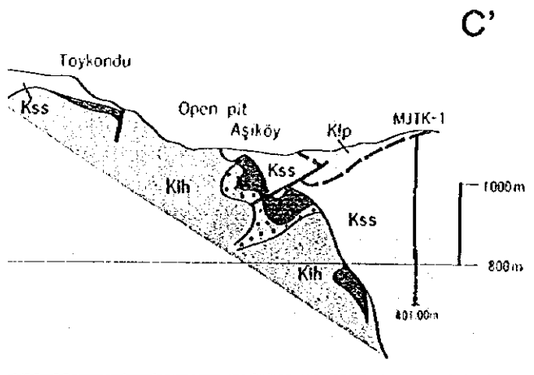


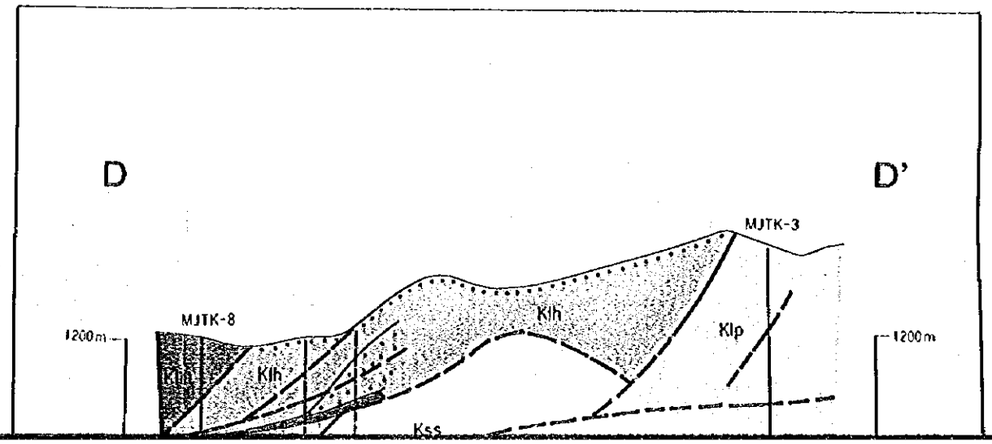
D

REA, THE REPUBLIC OF TURKEY







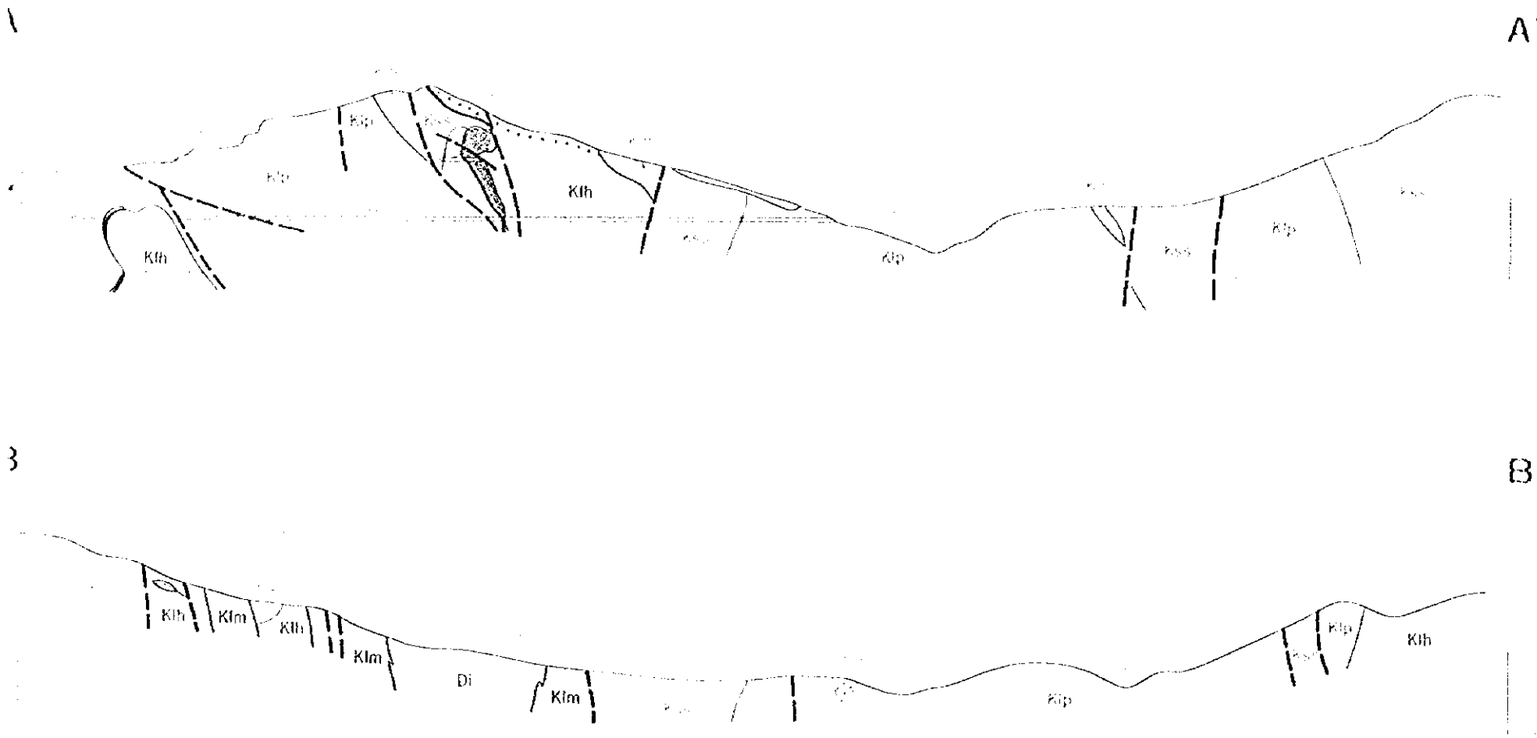


LEGEND

Quaternary		a	Talus Deposit
Upper Cretaceous	Çaglayan F.	Com	Marl
Lower Cretaceous	Karadana F.	Kcl	Limestone
Lias	Küre F.	Kss	Breccia (shale, sandstone)
		Klp	Pillow Lava
		Klh	Hyaloclastite
		Klm	Massive Basalt
Intrusive Rock		Da	Dacite
		Di	Diorite
		Osg	Ultramafic Rock

- Ore Deposit
- Gossan/Network and Disseminated Ore
- Fault
- 68 Strike and Dip of Strata
- Slag
- Dump
- Gallery
- 100 Contour Line Value of Resistivity (ohm-m) at -200m
- Drilling Hole
- A——A' Profile Section

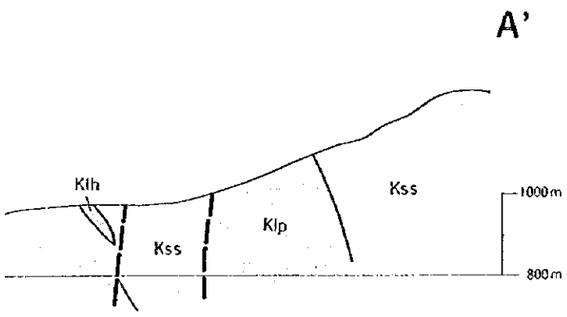
REA, THE REPUBLIC OF TURKEY

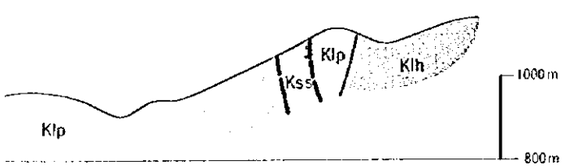


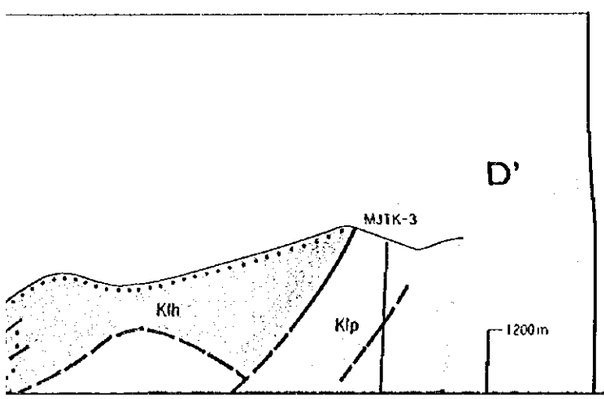
LEGEND

F TURKEY

THE COOPERATIVE MINERAL EXPLORATION BY JICA/MMAJ-ETiBANK, 1992－1994







LEGEND

Quaternary		a	Talus Deposit
Upper Cretaceous	Çaglayan F.	Ccm	Marl
Lower Cretaceous	Karadana F.	Kcl	Limestone
Lias	Küre F.	Kss	Breccia (shale, sandstone)
		Klp	Pillow Lava
		Klh	Hyaloclastite
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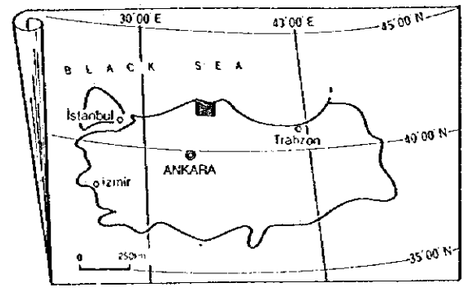
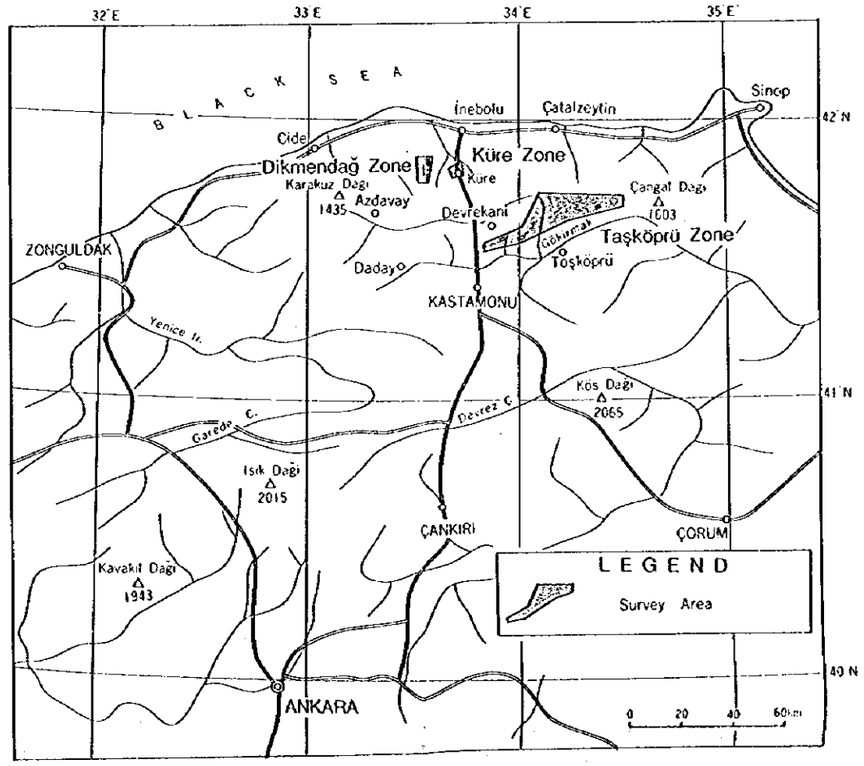
- Ore Deposit
- Gossan/Network and Disseminated Ore
- Fault
- 68 — Strike and Dip of Strata
- Slag
- Dump
- Gallery
- 100 — Contour Line Value of Resistivity (ohm-m) at −200m
- Drilling Hole
- A —— A' — Profile Section

Index Map





Members of the Survey Team

Phase 1 ..... (Metal Mining Agency of Japan)

TURKEY

THE COOPERATIVE MINERAL EXPLORATION BY JICA/MMAJ-ETiBANK, 1992—1994

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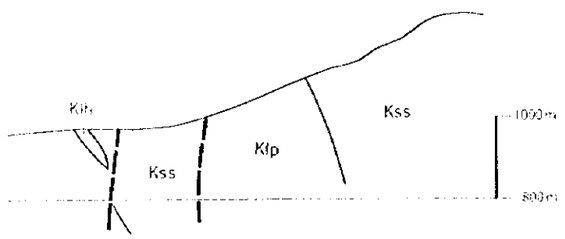

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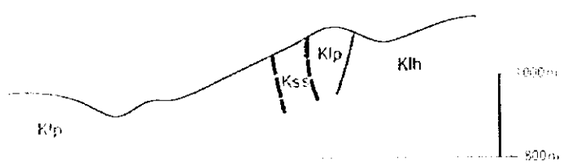

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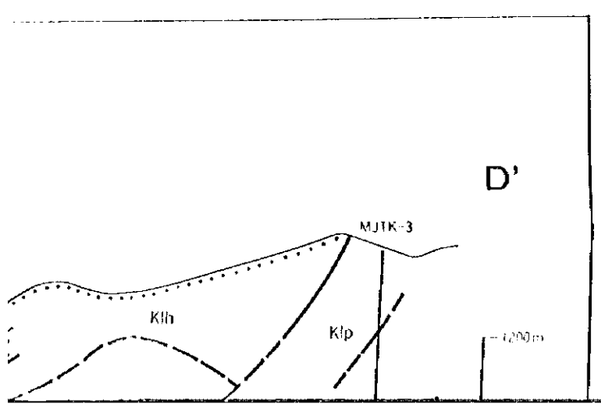

LEGEND

Quaternary		a	Talus Deposit
Upper Cretaceous	Çaglayan F.	Com	Mud
Lower Cretaceous	Karabaka F.	Kcl	Limestone
Lias	Küre F.	Kss	Breccia(Mude, sandstone)
		Klp	Pillow Lava
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- Ore Deposit
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- 63 Strike and Dip of Strata
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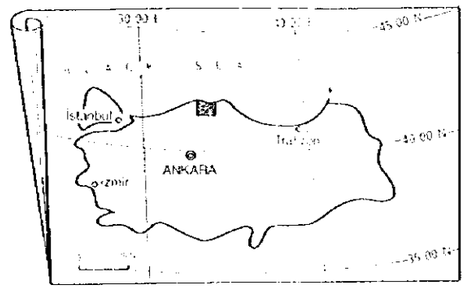
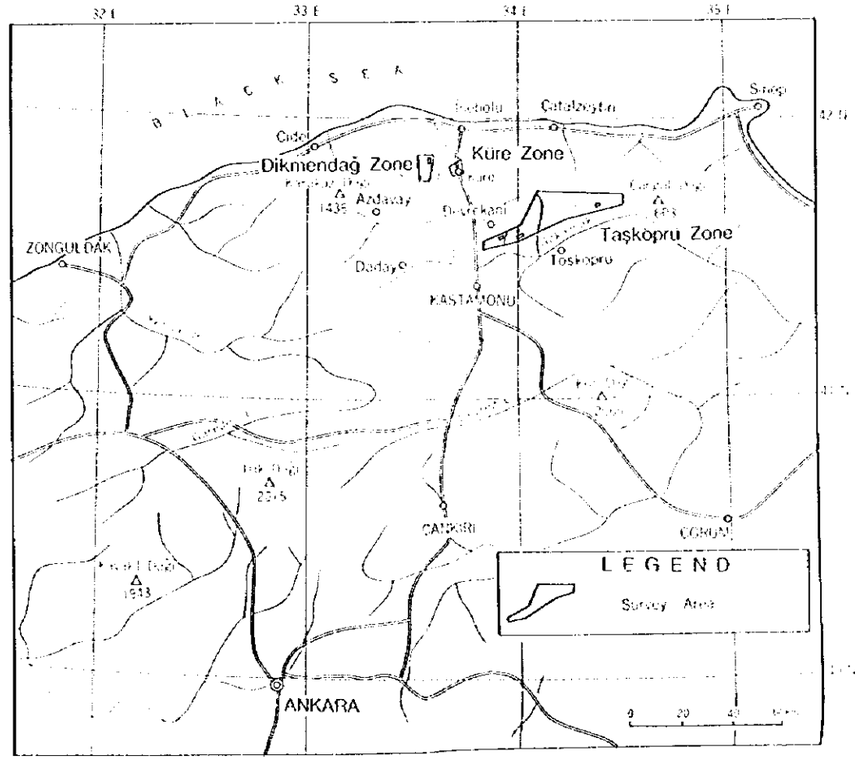
- Dump
- Gallery
- 100 Contour Line Value of Resistivity (Ohm-m) at -200m
- Drilling Hole
- A ——A' Profile Section

Index Map





Members of the Survey Team

Phase I [Metal Mining Agency of Japan]

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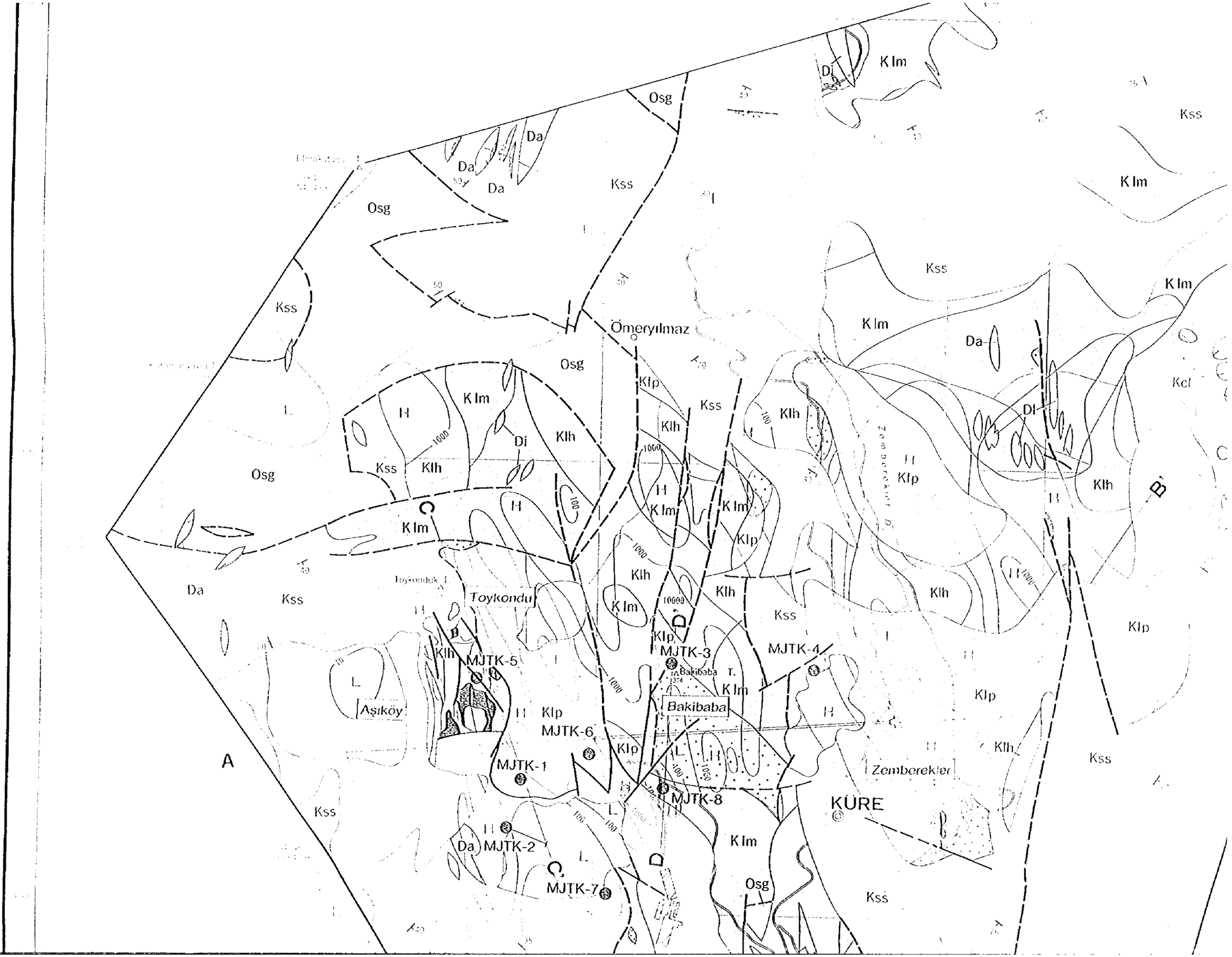
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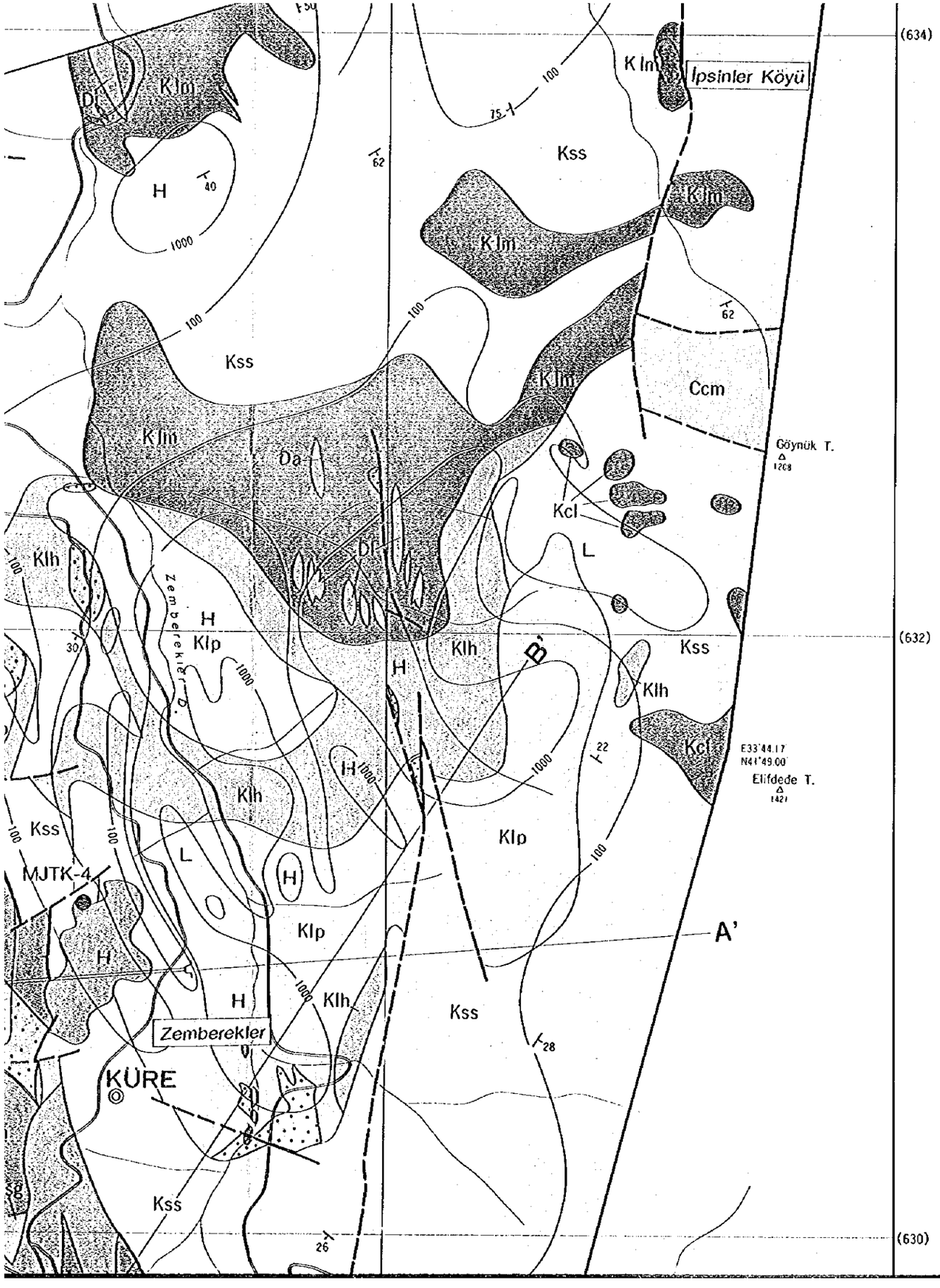
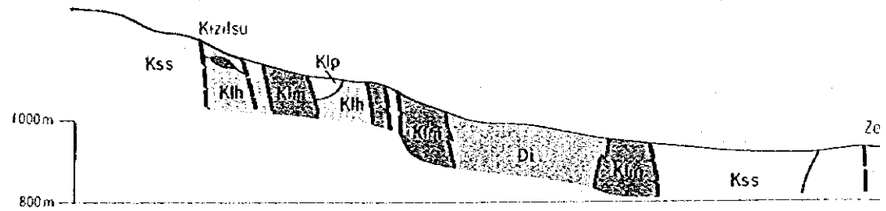
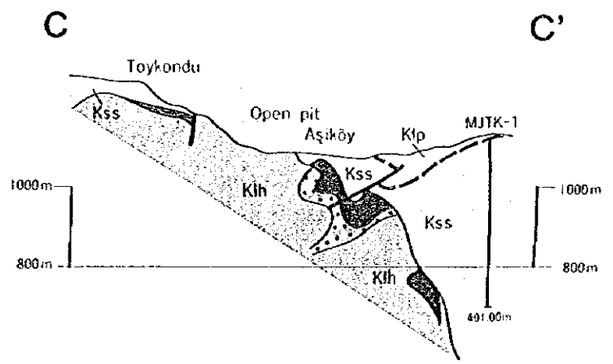
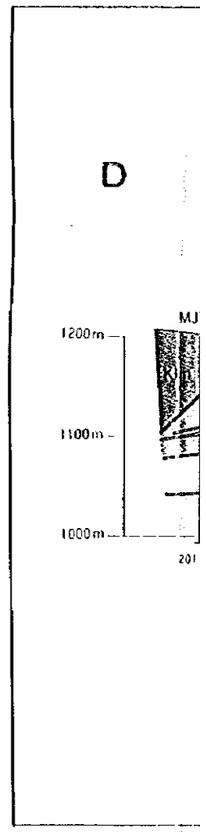
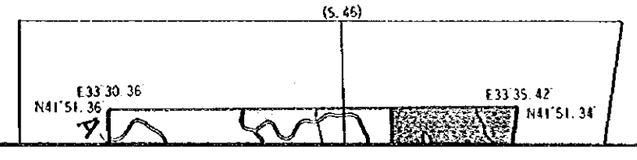








Dikmendağ Zone



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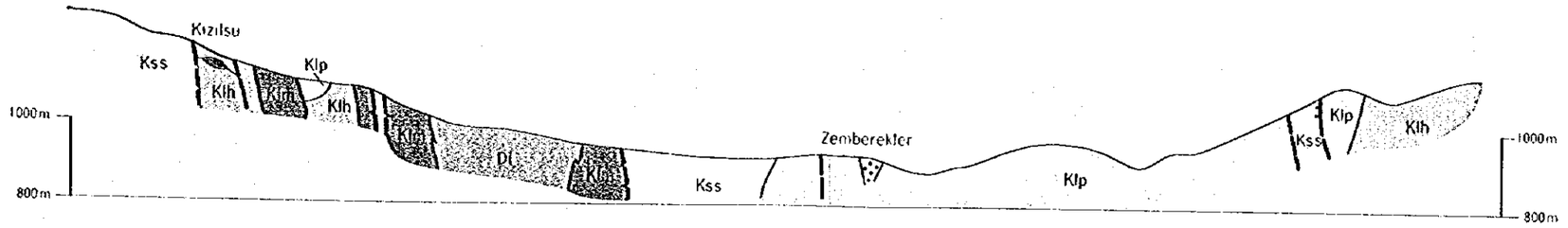
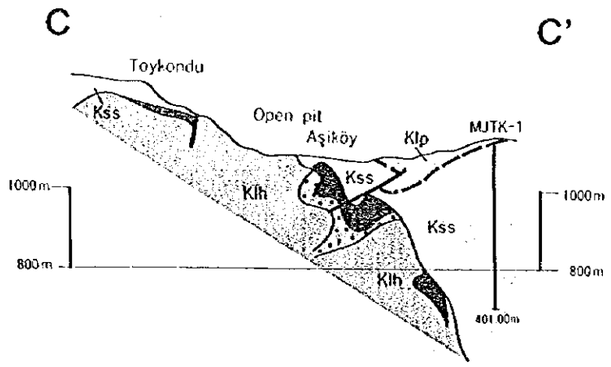
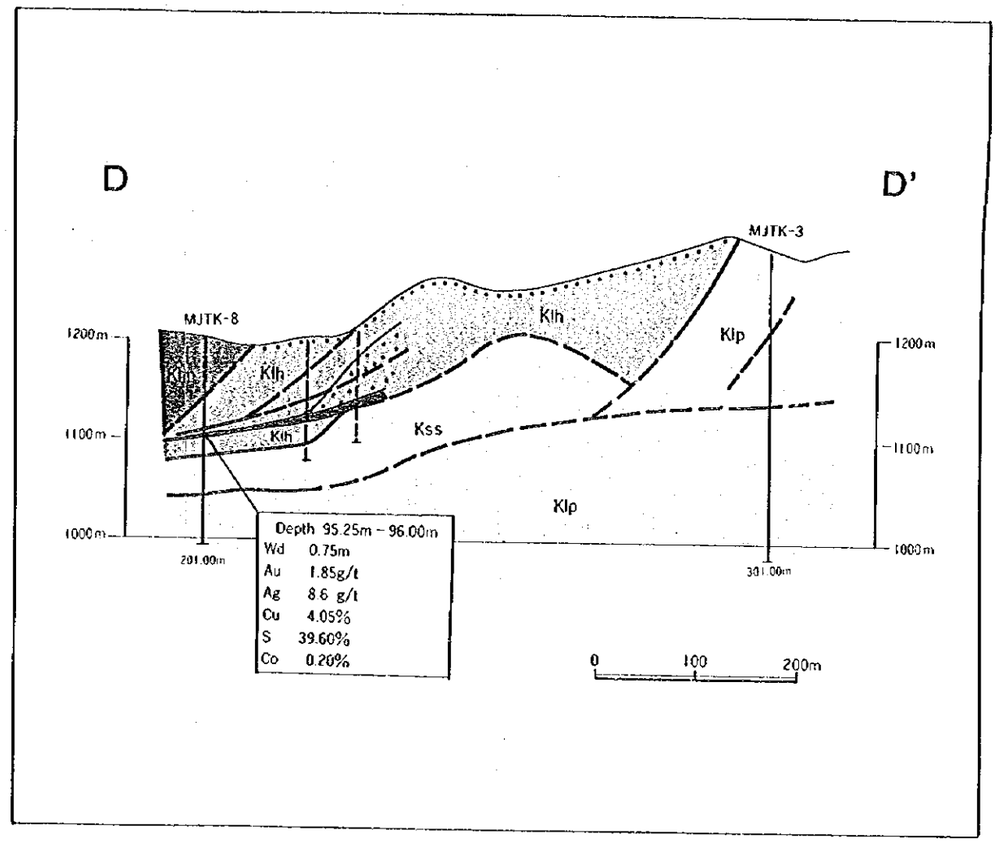
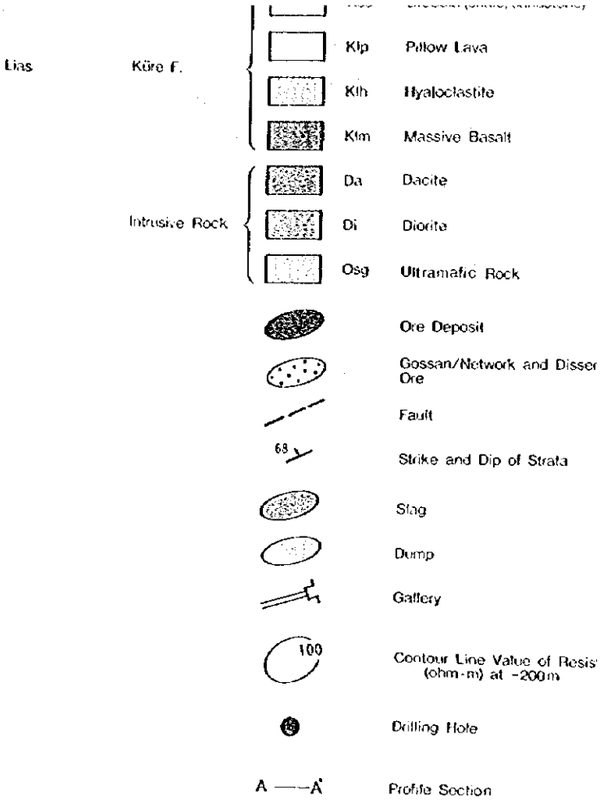
Dikmendağ Zone









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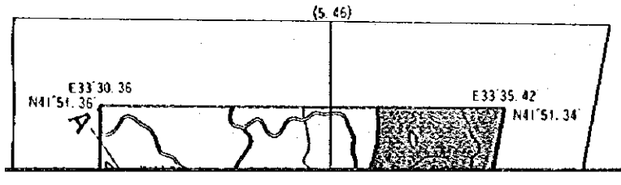
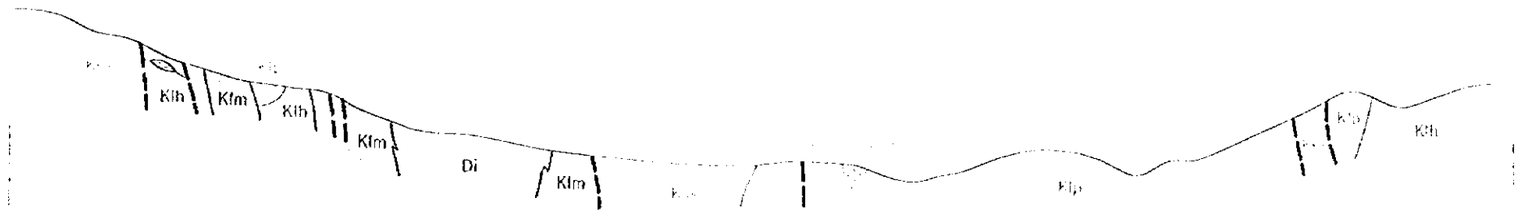


L E G E N D

Upper Cretaceous	Setikoy F.		Ccs	Sandstone and mudstone
Lower Cretaceous	Köştekcifor F.		Kcl	Limestone
Lias	Küre F.		Kls	Breccia (shale, sandstone)
			Klb	Basic rock
	Intrusive rocks		Cd	Dacite
			Di	Diorite

Masköy Prospect



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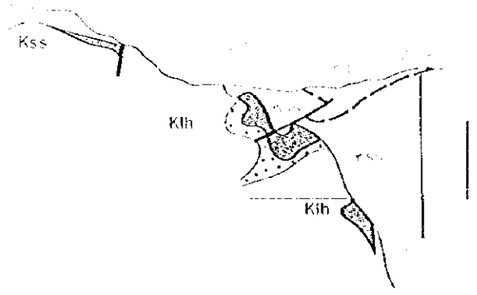

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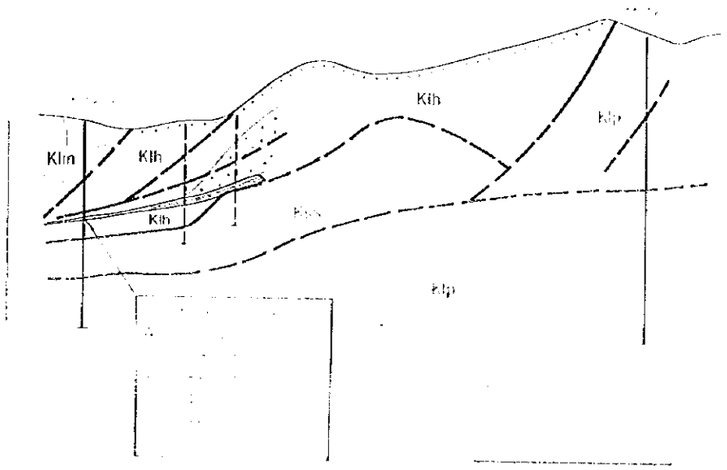

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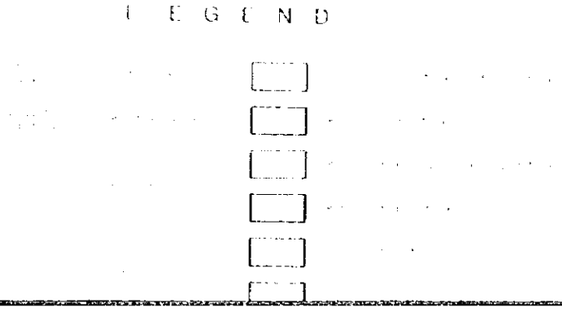
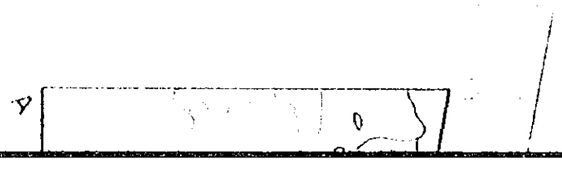
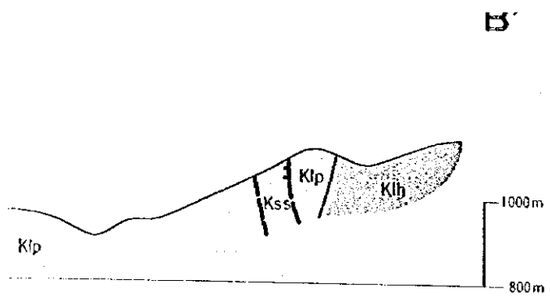
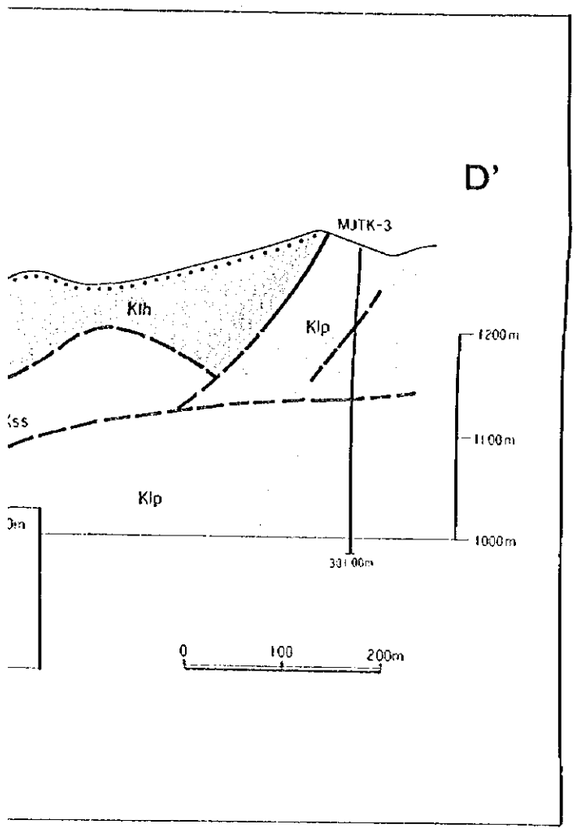




Masköy Prospect





Cretaceous — Kcl — Limestone

Kss — Breccia (shale, sandstone)

Lias — Küre F. — Klp — Pillow Lava

Klh — Hyaloclastite

Klm — Massive Basalt

Intrusive Rock — Da — Dacite

Di — Diorite

Osg — Ultramafic Rock

Ore Deposit

Gossan/Network and Disseminated Ore

Fault

68 — Strike and Dip of Strata

Slag

Dump

Gallery

100 — Contour Line Value of Resistivity (ohm-m) at -200m

Drilling Hole

A —— A' — Profile Section

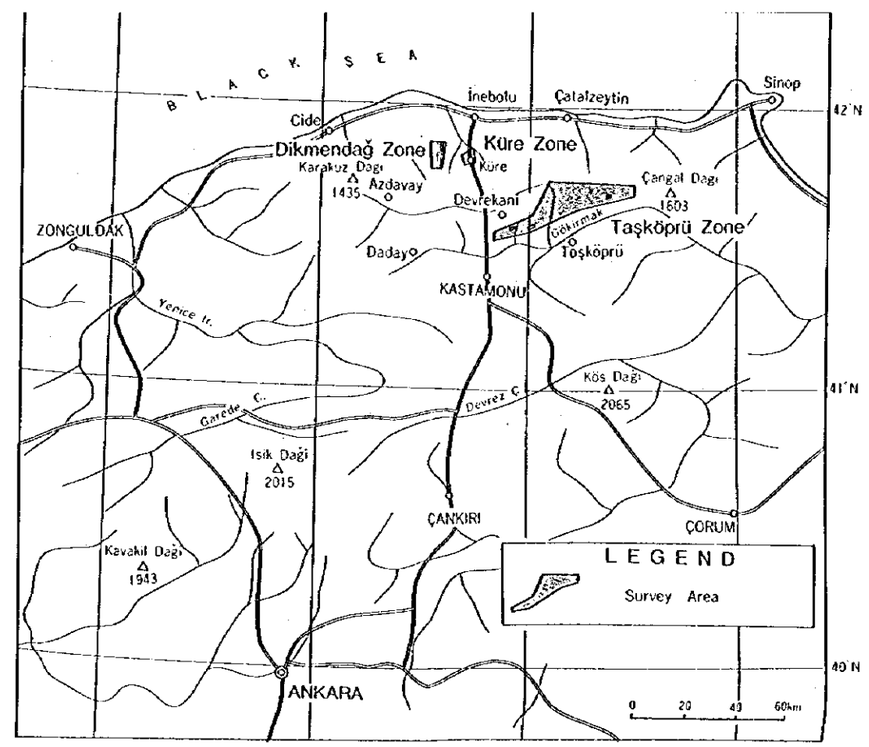
Sandstone and mudstone

Limestone

Breccia (shale, sandstone)

Basic rock

Masköy Prospect



Members of the Survey Team

Phase 1

[Metal Mining Agency of Japan]
Takafumi TSUJIMOTO (Coordinator Geophysicist)
Kazuko MATSUMOTO (Coordinator)
Nobuyuki OKAMOTO (Coordinator Geologist)
[Turkish Members]
Ahmet ÜNSAL (ETiBANK) Coordinator
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Necmettin ÇELİK (ETiBANK) Geologist
Mürsel ÖZTÜRK (Küre Mine) Geologist
Tayfun AKKUŞ (ETiBANK) Geophysicist
Orhan ERSÖZ (ETiBANK) Geophysicist
[Japanese Members]
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Kazuyasu SUGAWARA (NED) Geologist
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Shinichi SUGIYAMA (NED) Geophysicist

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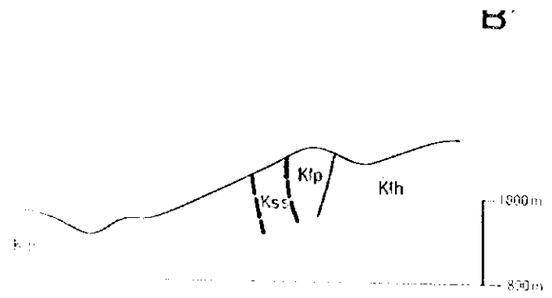
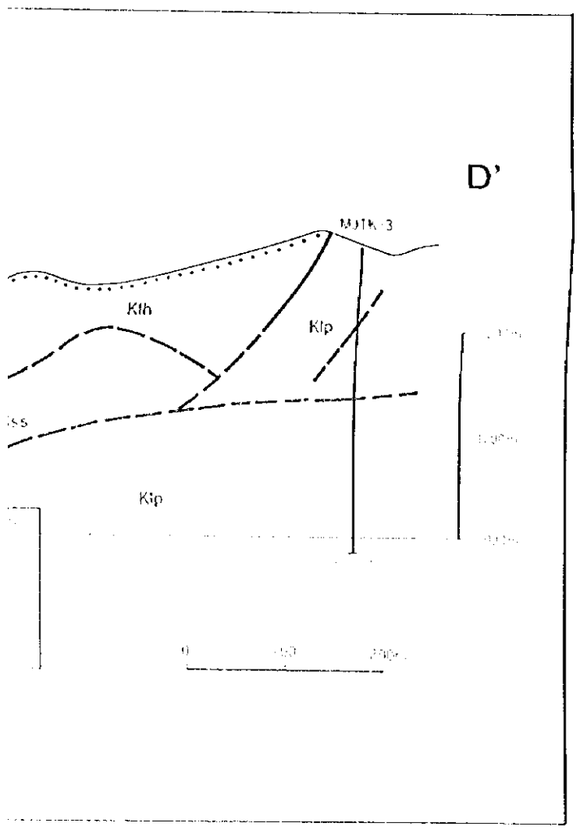
Cemalettin SOLAK (ETiBANK) Ass. Manager
Ahmet TÜNCER (ETiBANK) Chief Driller
Tayfun AKKUŞ (ETiBANK) Geophysicist
Orhan ERSÖZ (ETiBANK) Geophysicist





Cretaceous

Kuş — Kure F.

Kss — Breccia (shale, sandstone)

Klp — Pillow Lava

Klh — Hyaloclastite

Klm — Massive Basalt

Intrusive Rock

Da — Dacite

Di — Diorite

Osg — Ultramafic Rock

Ore Deposit

Gossan/Network and Disseminated Ore

Fault

Strike and Dip of Strata

Shaft

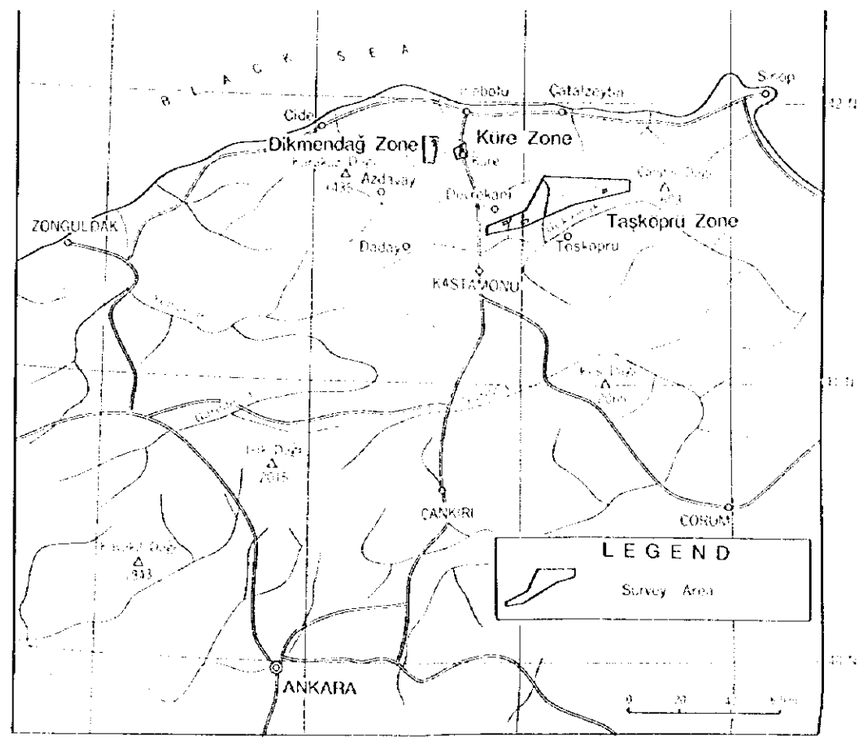
Dump

Gallery

Contour Line Value of Resistivity (Ohm-m) at -200(m)

Drilling Hole

A ——A' Profile Section



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Muaset OZTURK (Kure Mine) Geologist
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Noburyuki OKAMOTO (Coordinator Geologist)

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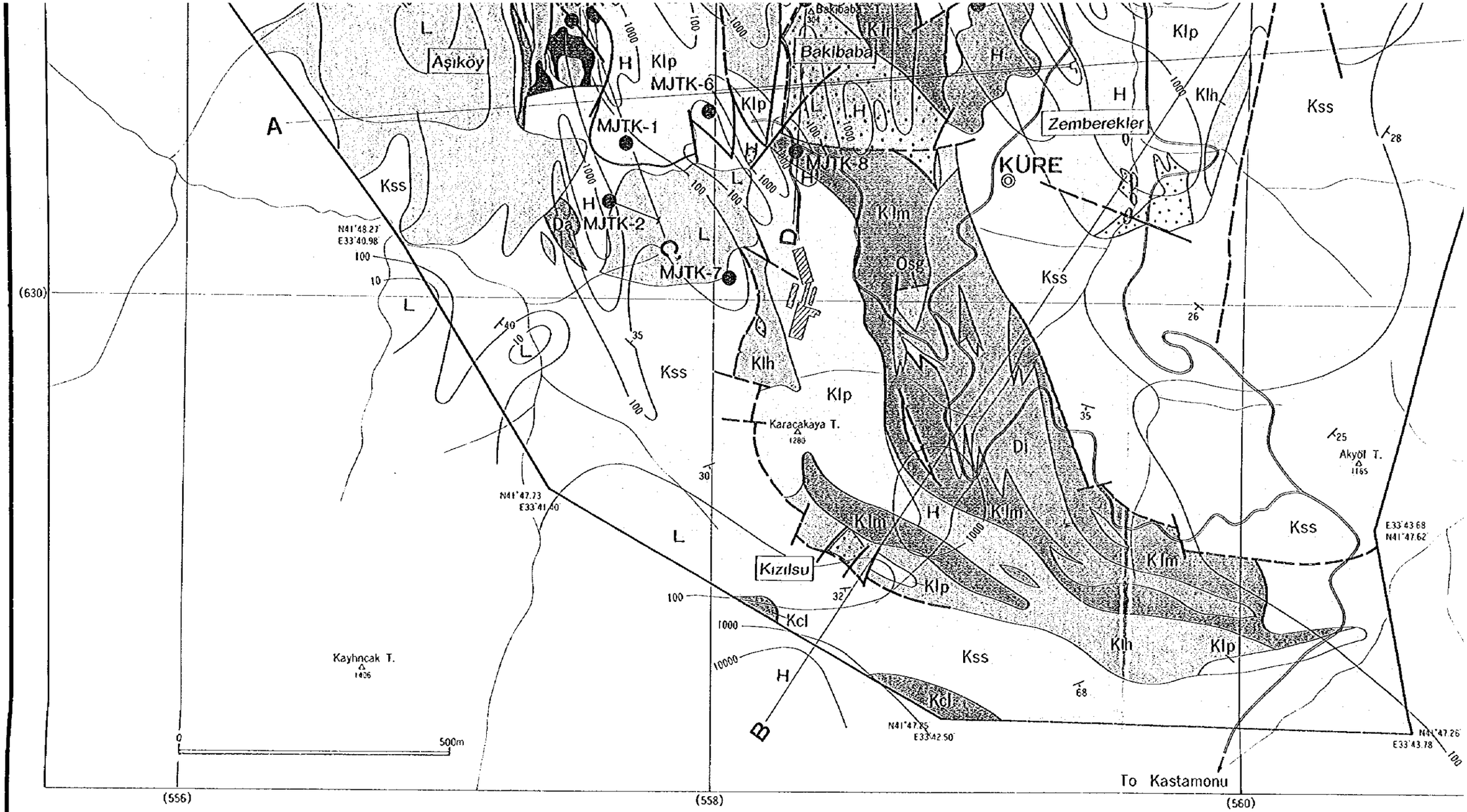
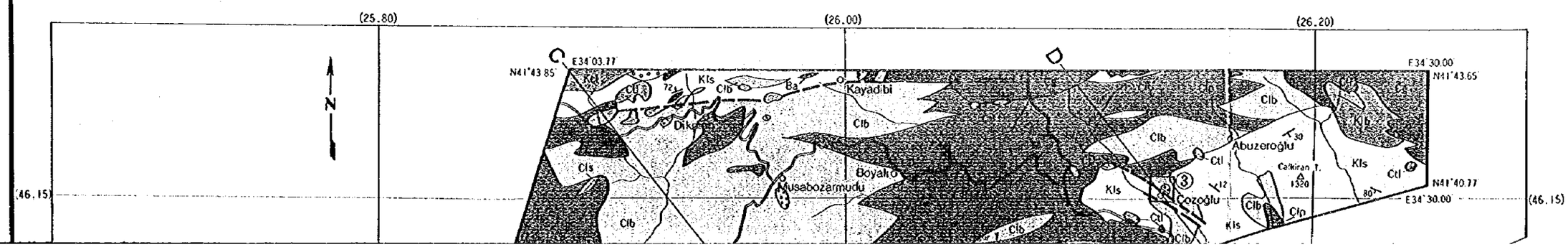
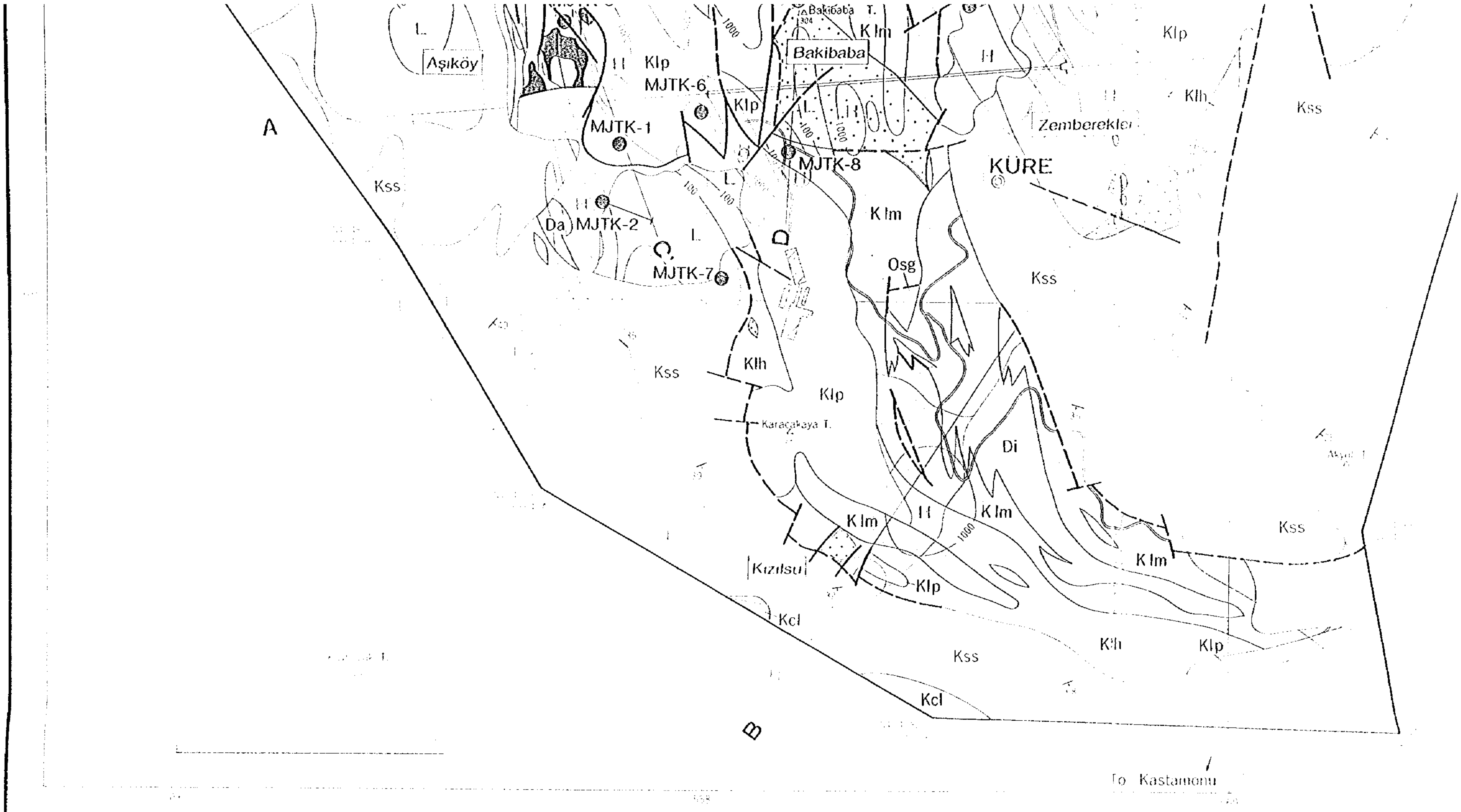
Ahmet TUNCER (ETiBANK) Chief Driller
Tayfun AKKUS (ETiBANK) Geophysicist
Orhun ERSOZ (ETiBANK) Geophysicist

Masköy Prospect

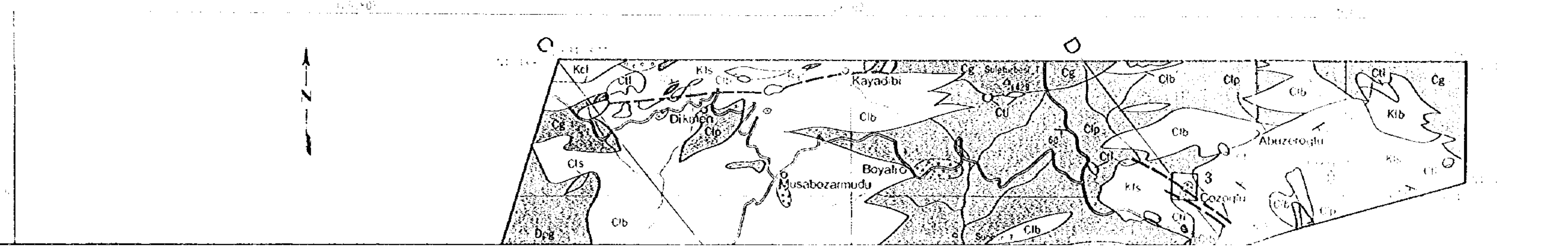


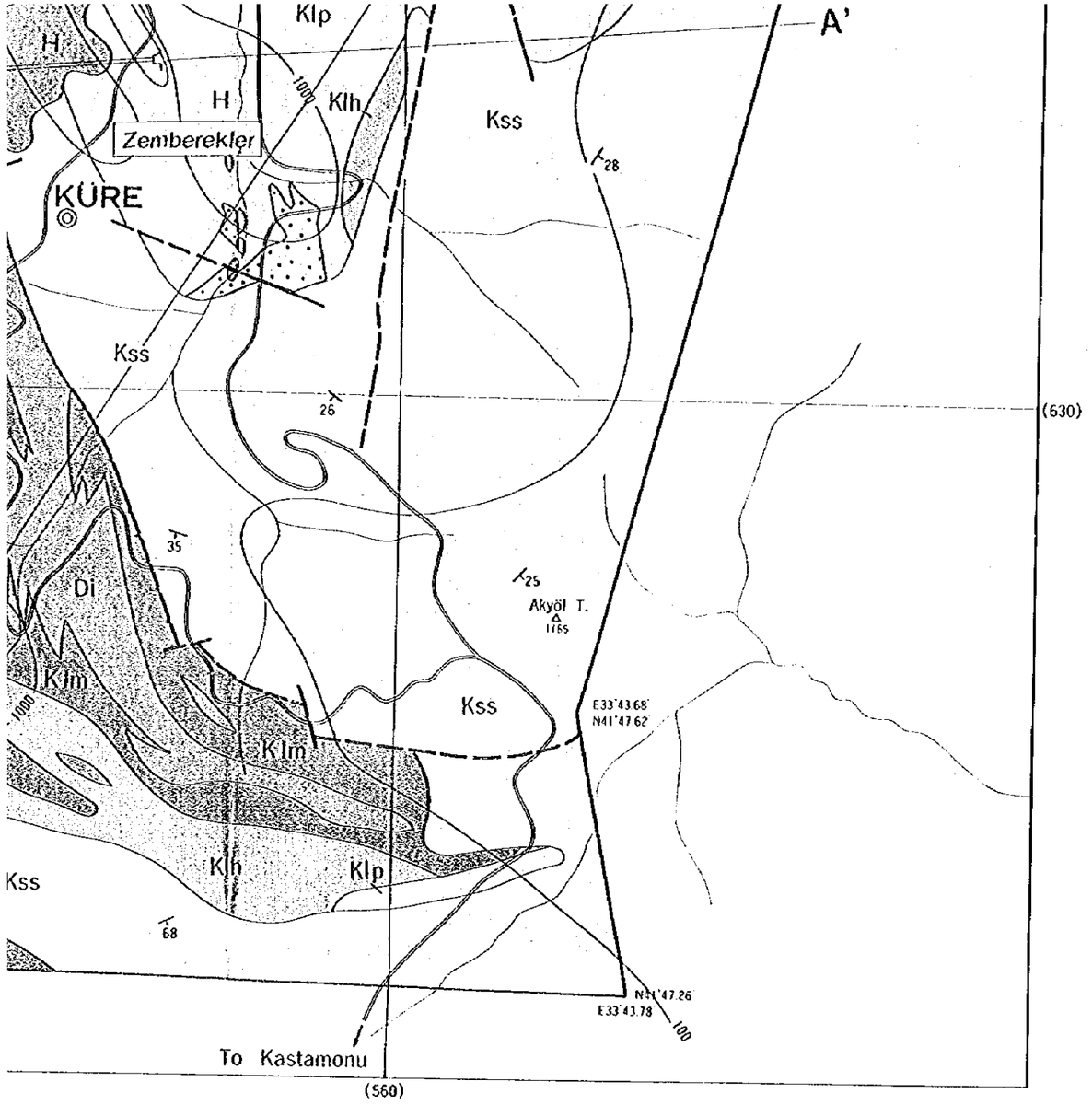
Taşköprü Zone



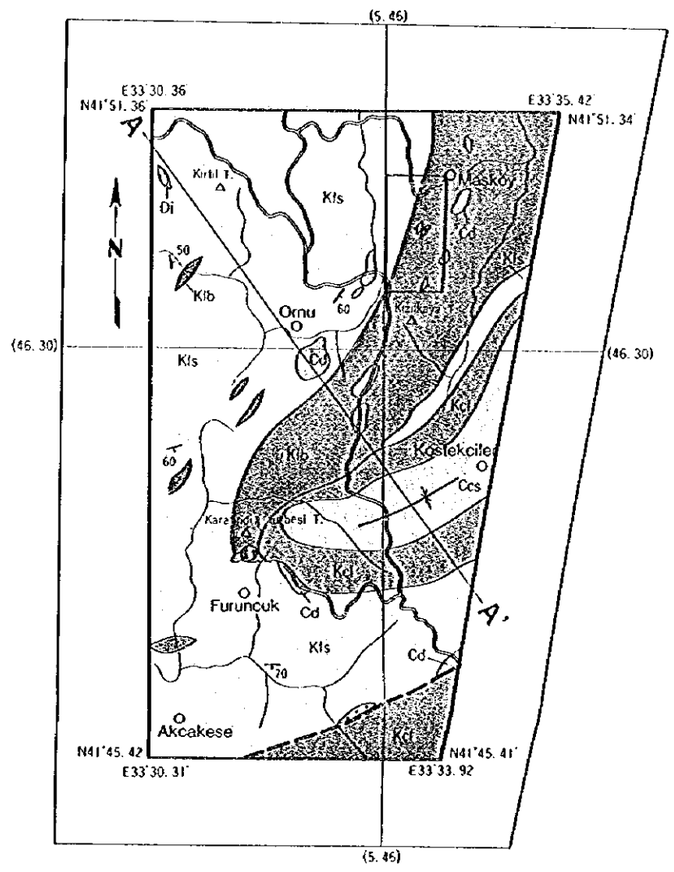


Taşköprü Zone



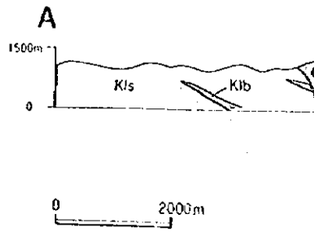


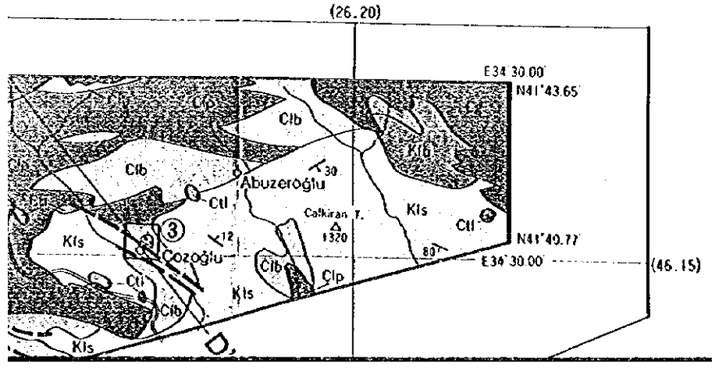
Dikmendağ Zone



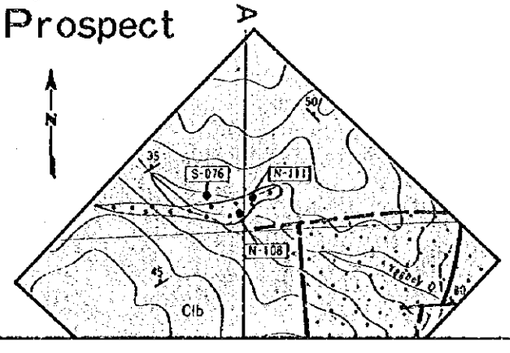
L E G

Upper Cretaceous	Sahkoy F.
Lower Cretaceous	Köstekciler F.
Lias	Küre F.
Intrusive rocks	

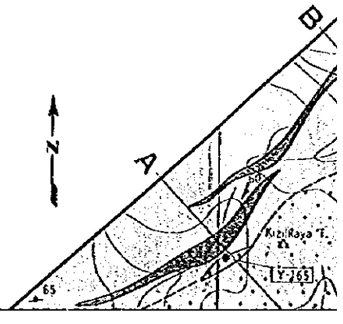


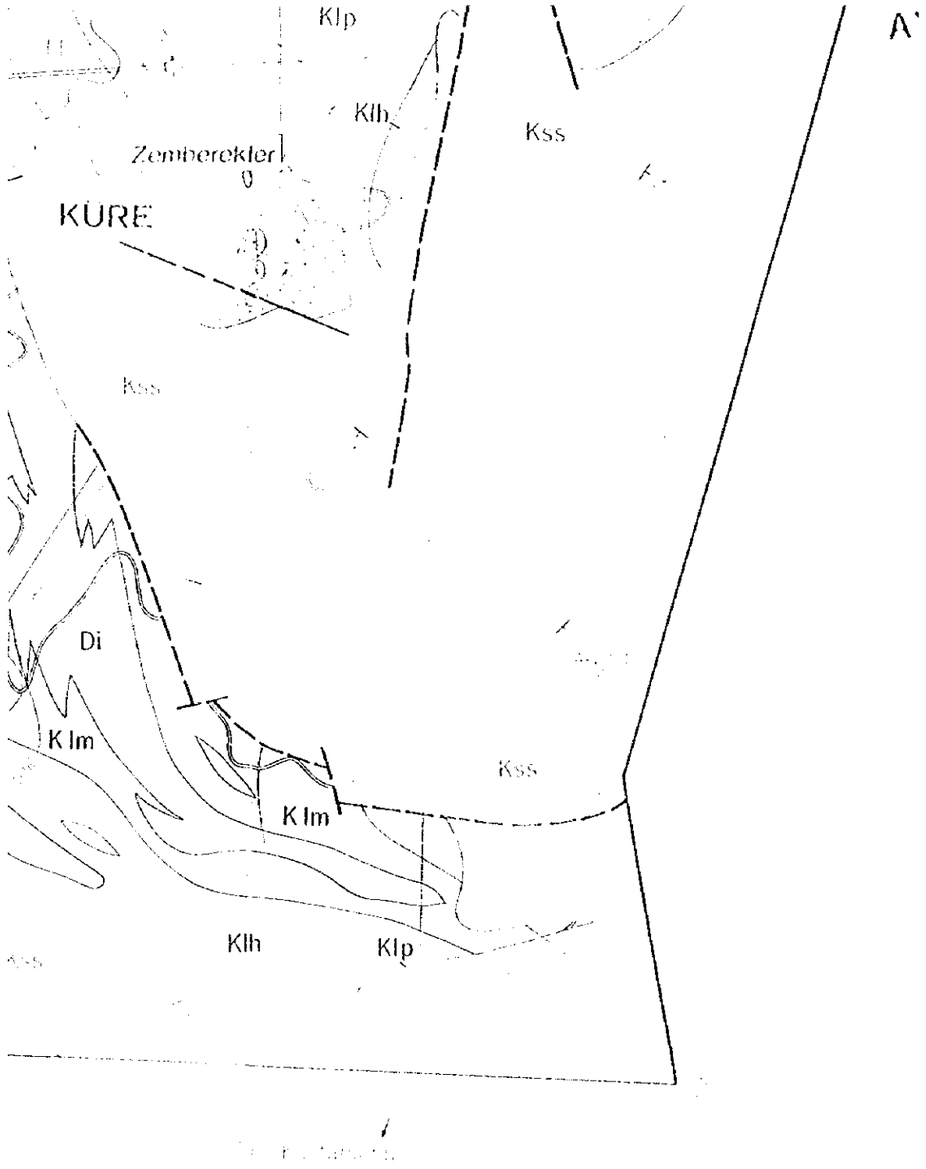


①Alayürek Prospect



②Cünür Prospect





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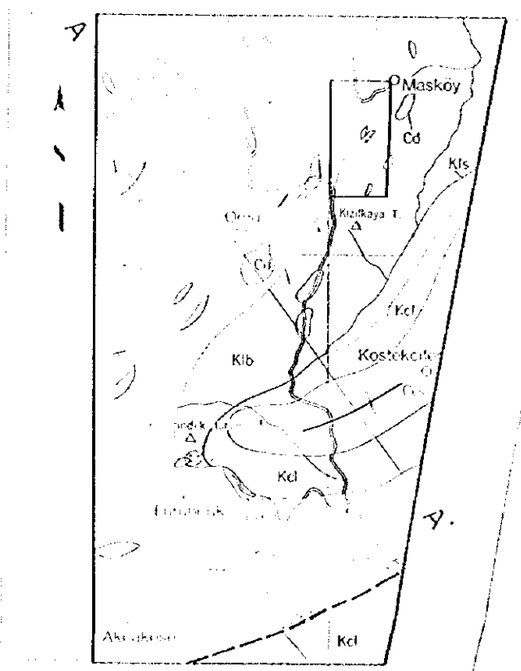
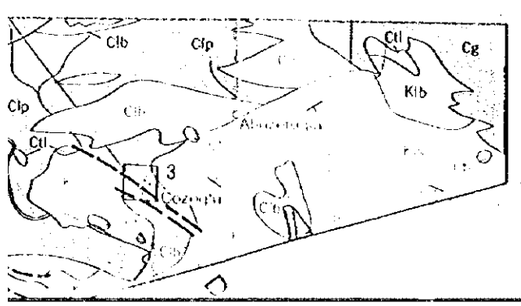
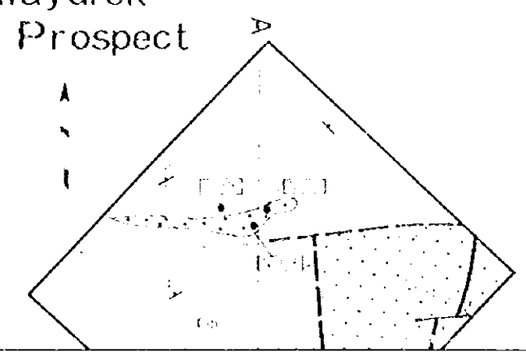




① Alayürek Prospect



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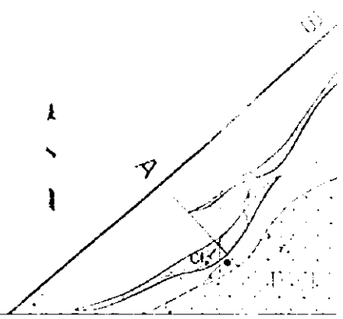

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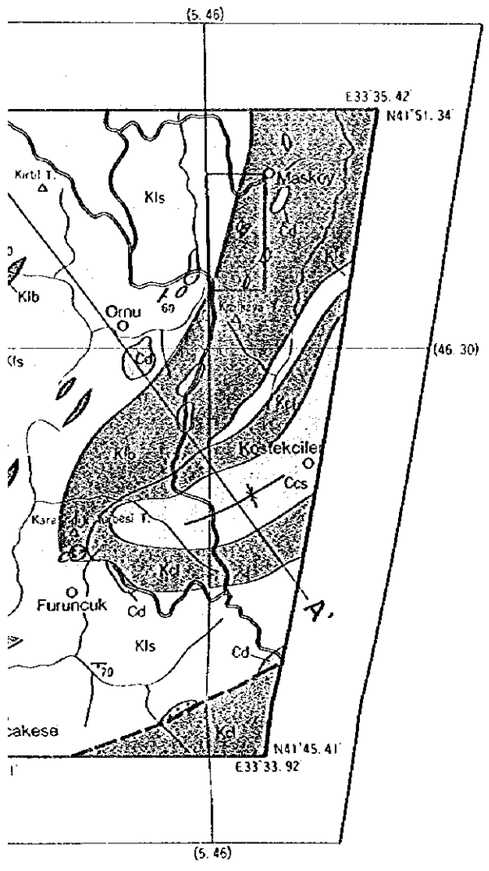
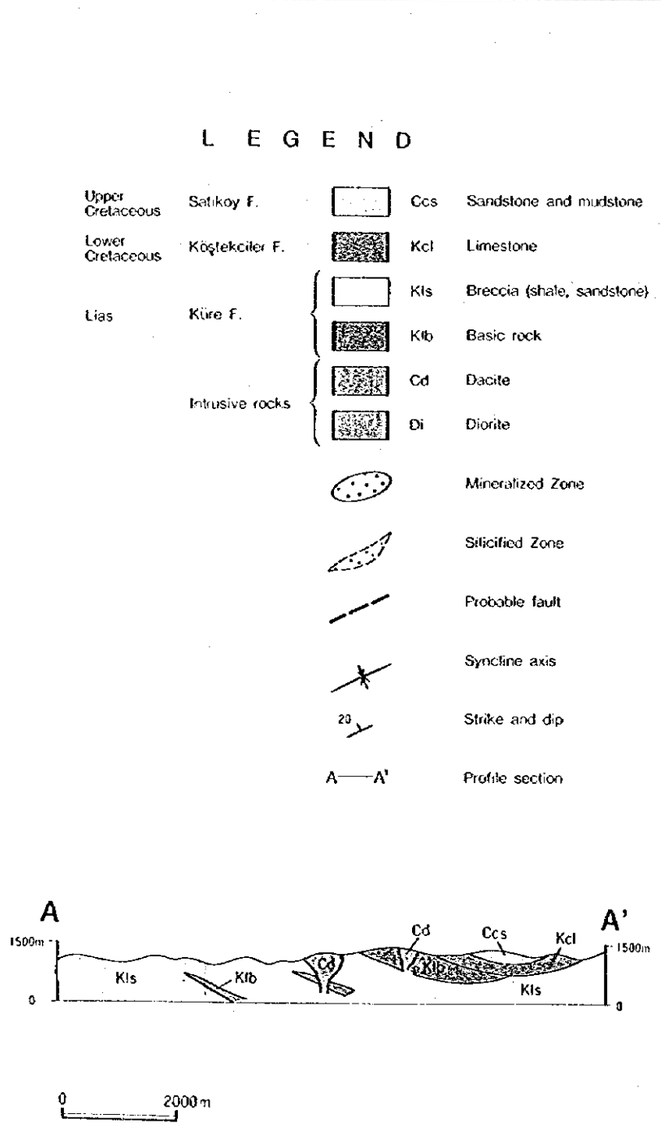
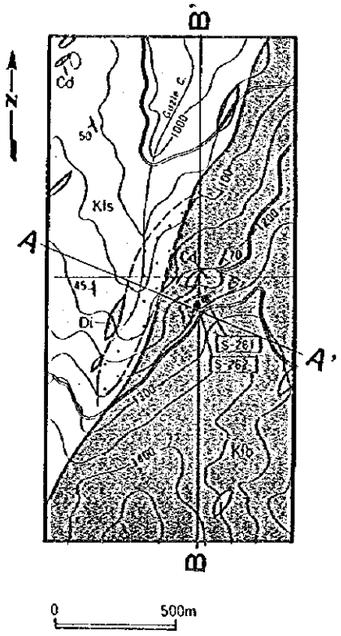


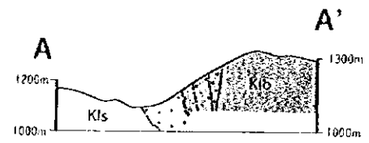
L E G E N D

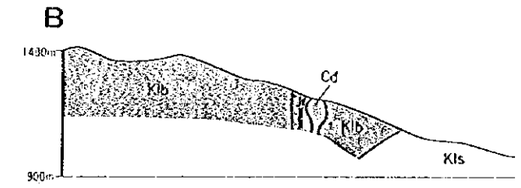
Upper Cretaceous	Satikoy F.		Ccs	Sandstone and mudstone
Lower Cretaceous	Köştekciler F.		Kcl	Limestone
Lias	Küre F.		Kls	Breccia (shale, sandstone)
			Klb	Basic rock
	Intrusive rocks		Cd	Dacite
			Di	Diorite
				Mineralized Zone
				Silicified Zone
				Probable fault
				Syncline axis
		20		Strike and dip
		A—A'		Profile section



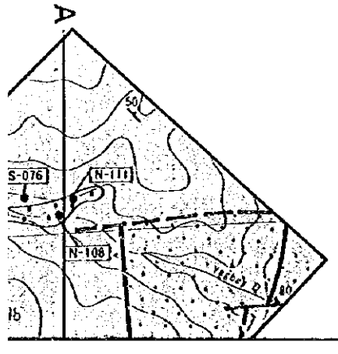
Masköy Prospect



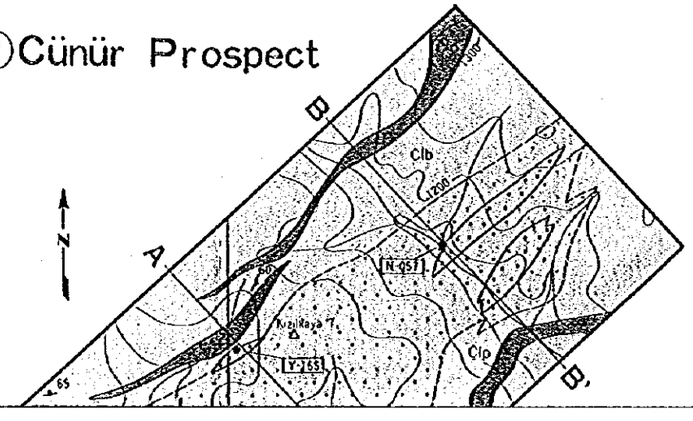




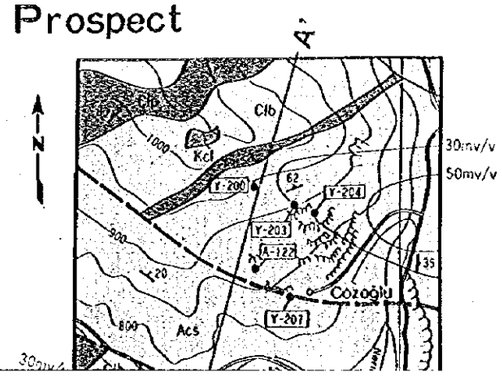
Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)
S-261	Argillized Rock	<0.1	<5	<0.01	<0.01	0.01
S-262	Silicified Rock	<0.1	<5	<0.01	0.01	0.01



②Cünür Prospect

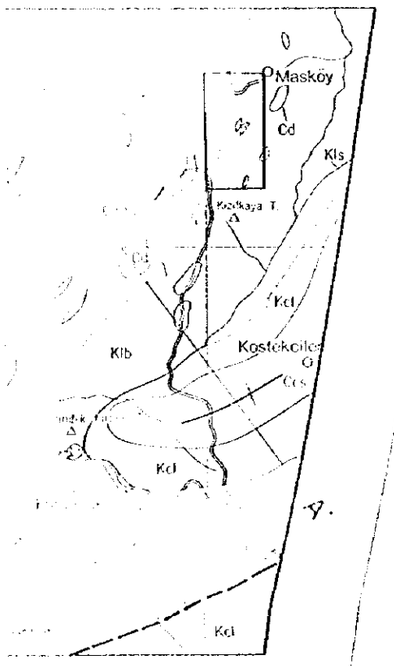


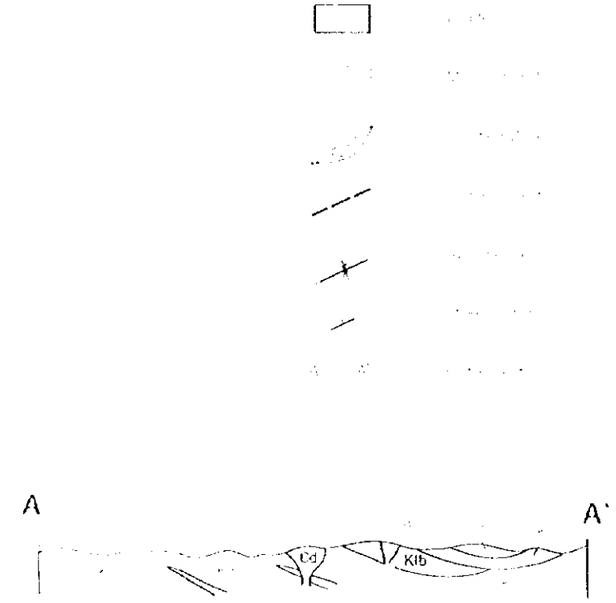
③Cozoğlu Prospect



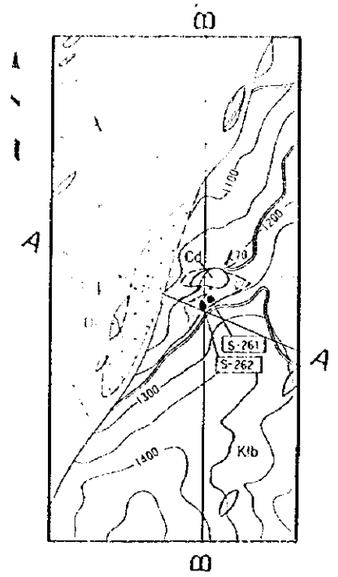
nendağ Zone

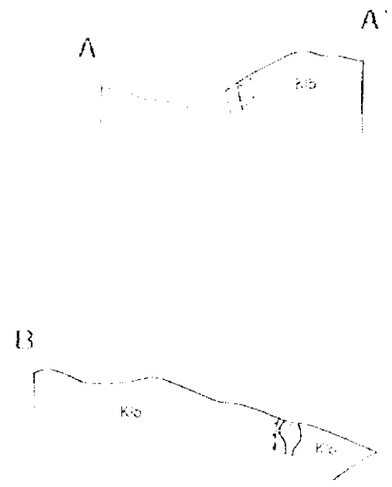
LEGEND

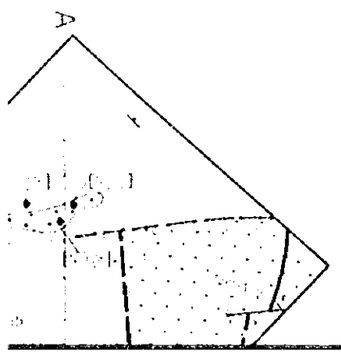




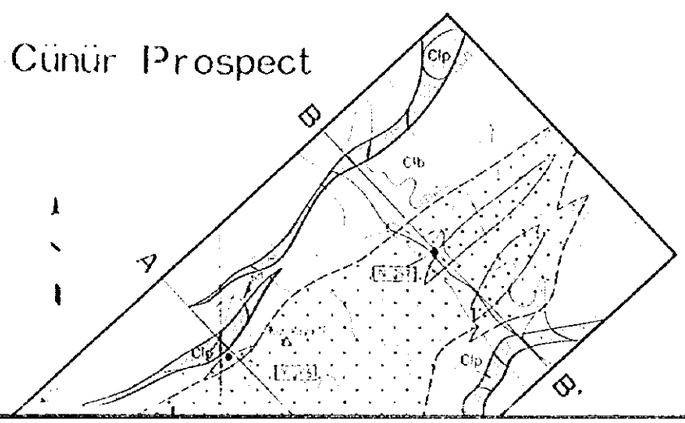
Masköy Prospect



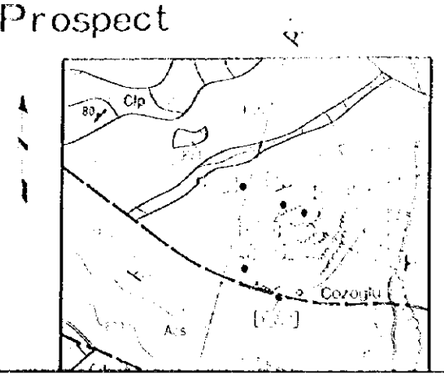




2 Cünür Prospect



③ Cozoğlu Prospect



s Sandstone and mudstone

l Limestone

s Breccia (shale, sandstone)

b Basic rock

l Dacite

Diorite

Mineralized Zone

Silicified Zone

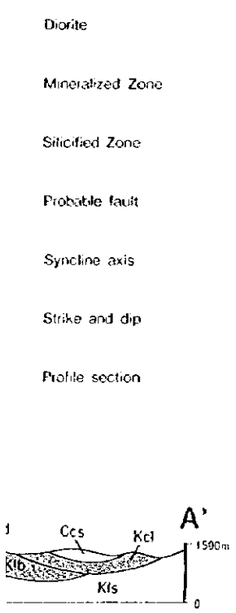
Probable fault

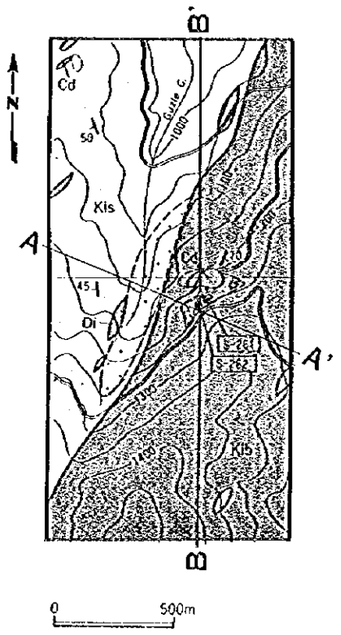
Syncline axis

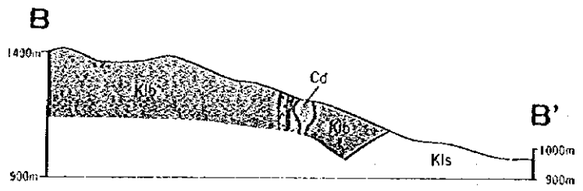
Strike and dip

Profile section

Masköy Prospect







Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
S-261	Argillized Rock	<0.1	< 5	<0.01	<0.01	0.01	<0.006	3.58
S-262	Silicified Rock	<0.1	< 5	<0.01	0.01	0.01	<0.006	4.46

Yoneharu MATANO (NED) Geologist
Kengi SATO (NED) Geologist
Kazuyasu SUGAWARA (NED) Geologist
Masao YOSHIZAWA (NED) Geophysicist
Ikuo TAKAHASHI (NED) Geophysicist
Shinichi SUGIYAMA (NED) Geophysicist

Phase 2 [Metal Mining Agency of Japan]
Atsuhiko MINOWA (Coordinator Geologist)
Nobuyuki OKAMOTO (Coordinator Geologist)
[Turkish Members]
Ahmet ÜNSAL (ETiBANK) Coordinator
Necmettin ÇELİK (ETiBANK) Coordinator
Sadik KELEŞOĞLU (ETiBANK) Drilling Engineer
Cemalettin SOLAK (ETiBANK) Ass. Manager
Ahmet TÜNCER (ETiBANK) Chief Driller
Tayfun AKKUŞ (ETiBANK) Geophysicist
Orhan ERSÖZ (ETiBANK) Geophysicist
[Japanese Members]
Yoneharu MATANO (NED) Team leader
Saichi ISHII (NED) Drilling Engineer
Itsuki HATAZAWA (NED) Drilling Engineer
Tadateru SUGIBUCHI (NED) Drilling Engineer
Soji KANNARI (NED) Drilling Engineer
Mitsuo NOMURA (NED) Drilling Engineer
Koichi TAMURA (NED) Drilling Engineer
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Norikiyo SUGIURA (NED) Geophysicist

Phase 3 [Metal Mining Agency of Japan]
Takahisa YAMAMOTO (Coordinator Geologist)
Yoshiaki IGARASHI (Coordinator Mining Engineer)
[Turkish Members]
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Sadik KELEŞOĞLU (ETiBANK) Drilling Engineer
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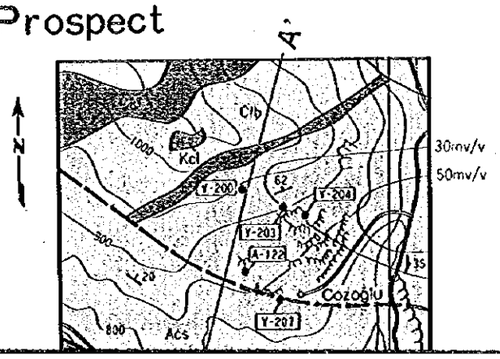
Tadateru SUGIBUCHI (NED) Drilling Engineer
Mitsuo SASAKI (NED) Drilling Engineer
Mitsuo NOMURA (NED) Drilling Engineer
Hiromasa INABE (NED) Drilling Engineer

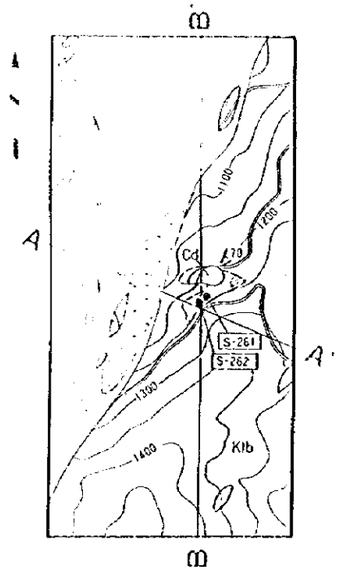
③Cozoğlu Prospect

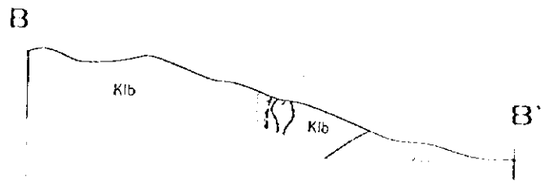


L E G E N D

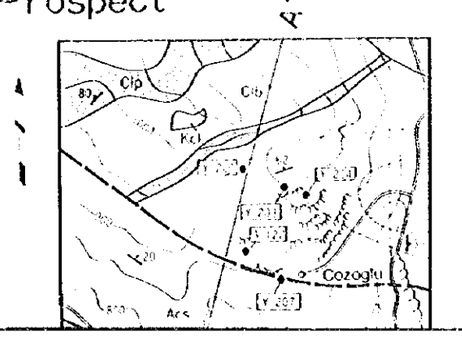
Tertiary	Çayköy F.	Ctl	Limestone
		Cta	Andesite
		Cts	Sandstone
Upper Cretaceous	Alaçam F.	Acs	Sandstone, mudstone, marl
Lower Cretaceous	Kızacik F.	Kcl	Limestone
Malm	Muzrup F.	Mmc	Conglomerate
Lias	Kayadibi F.	Kls	Sandstone, shale
		Klb	Basic rock

Masköy Prospect





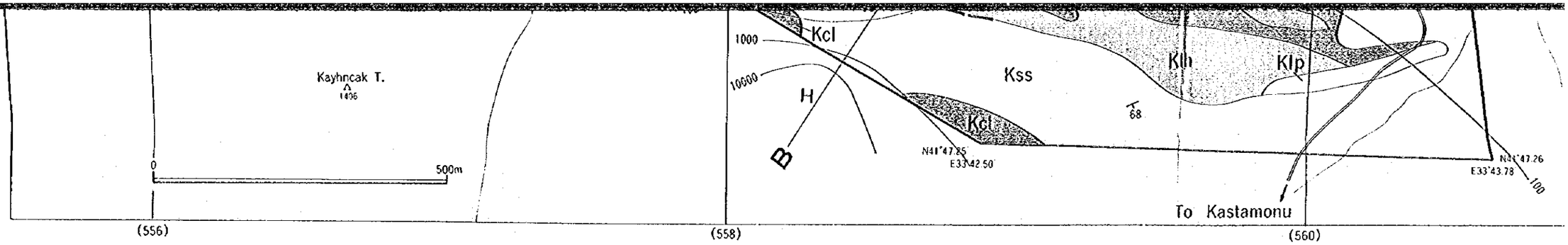
3 Cozoğlu Prospect



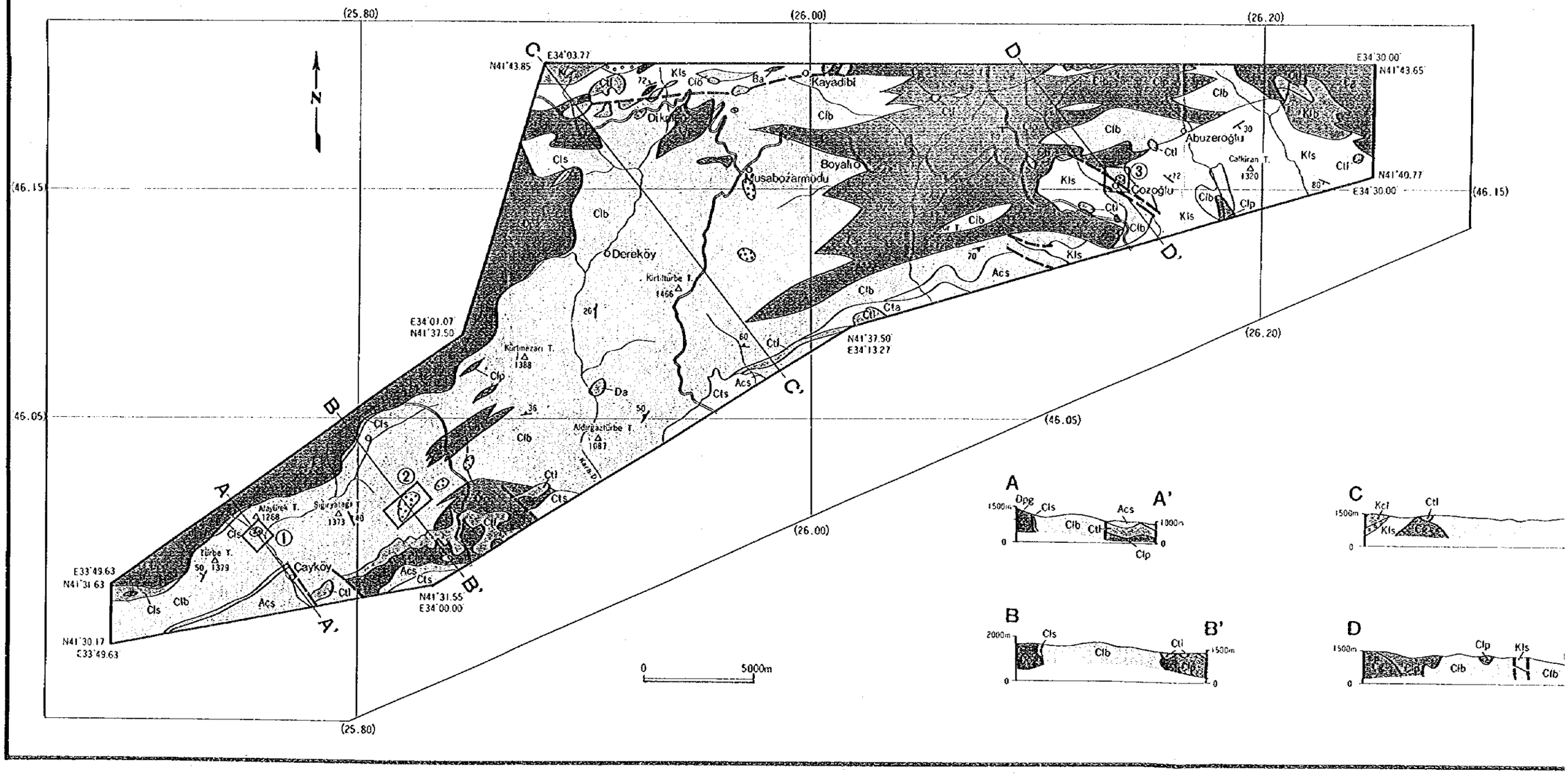
Phase 2

Phase 3

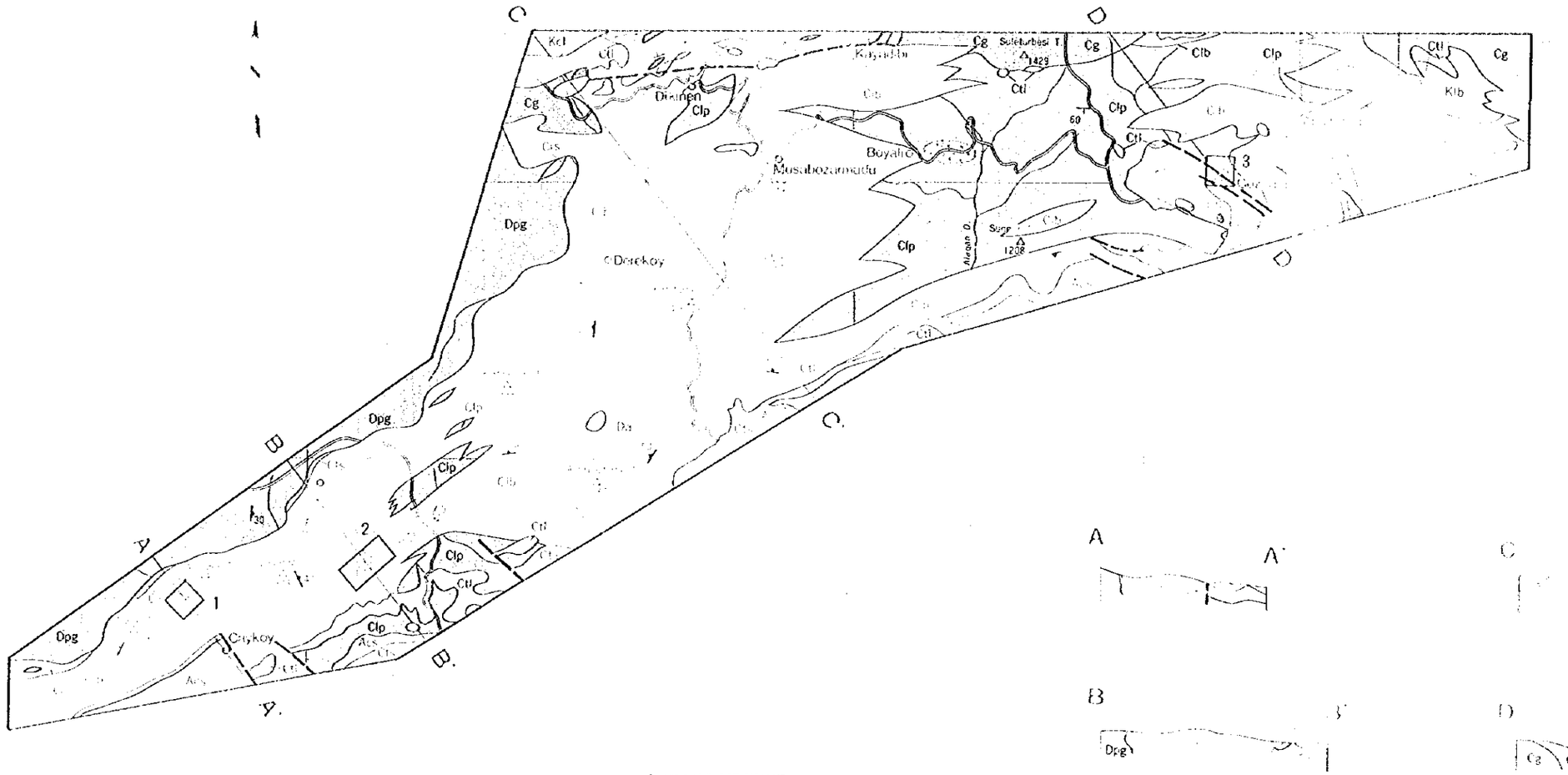
L E G E N D

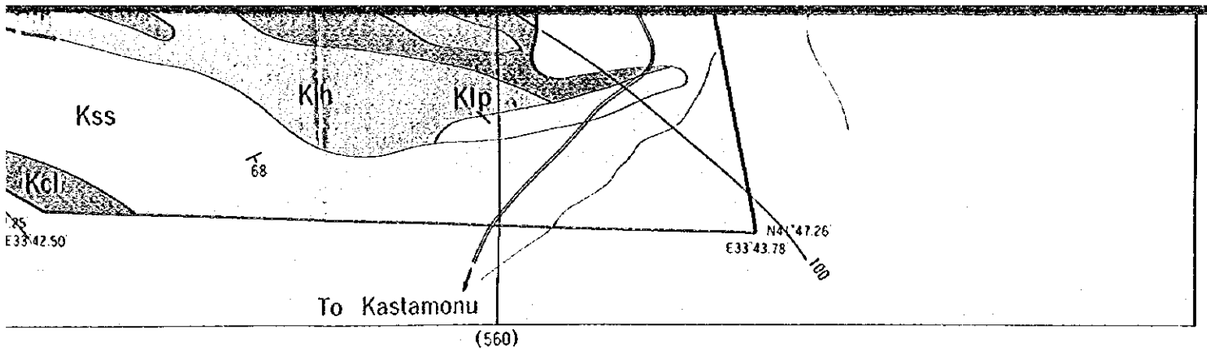


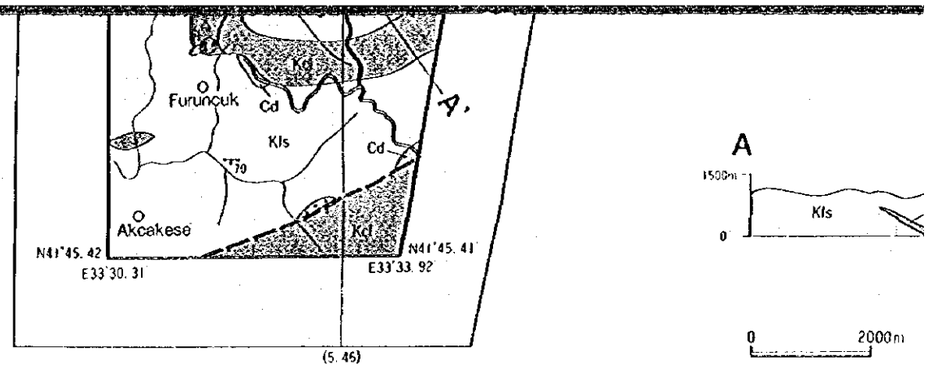
Taşköprü Zone

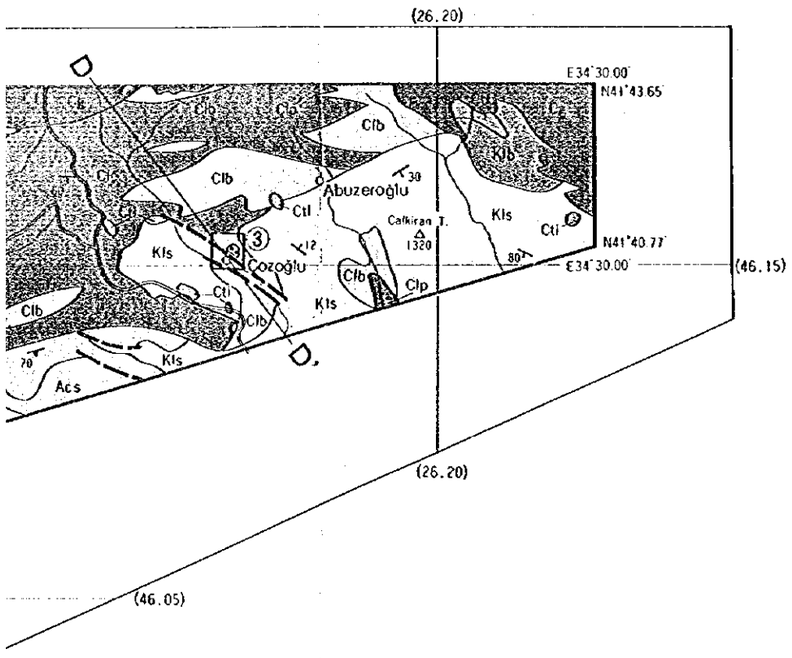


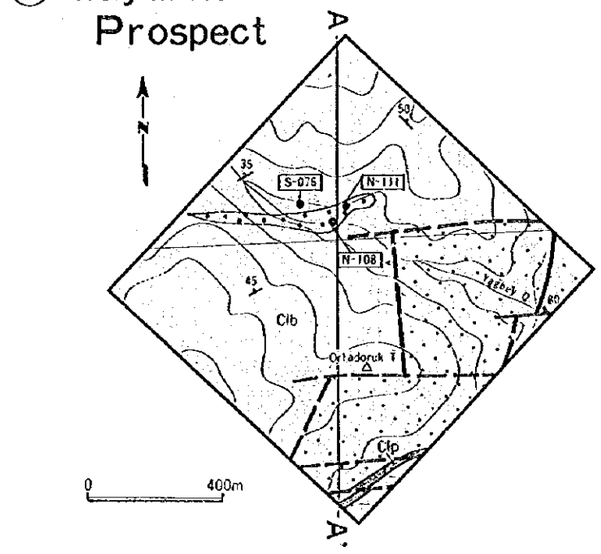
Taşköprü Zone

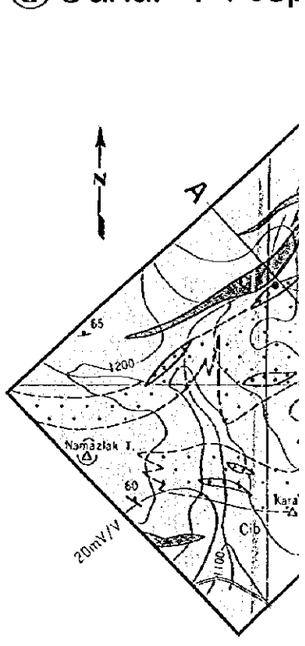


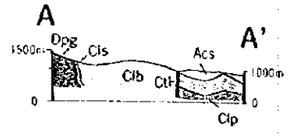


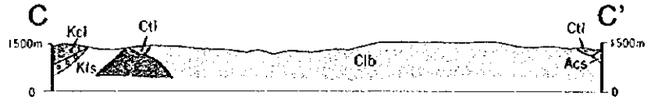


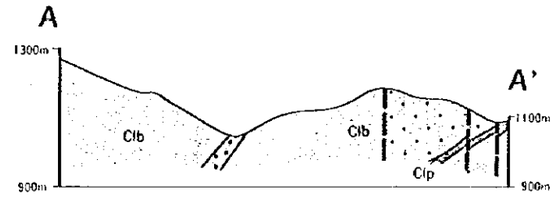


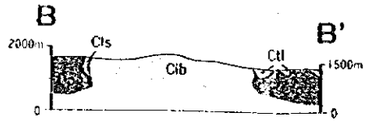


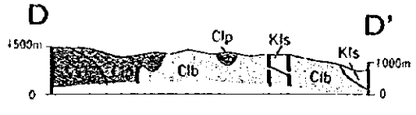






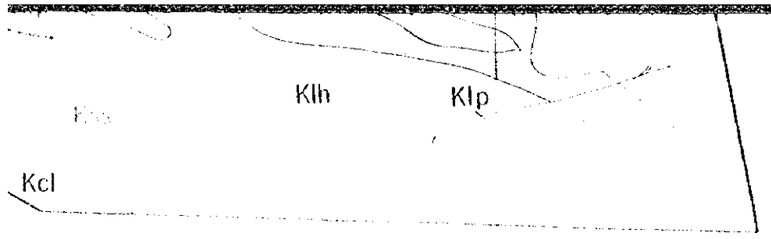


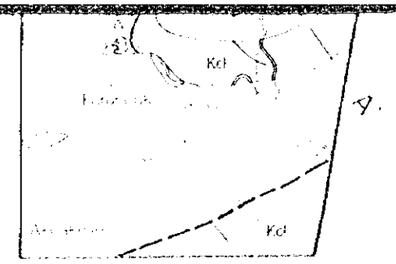


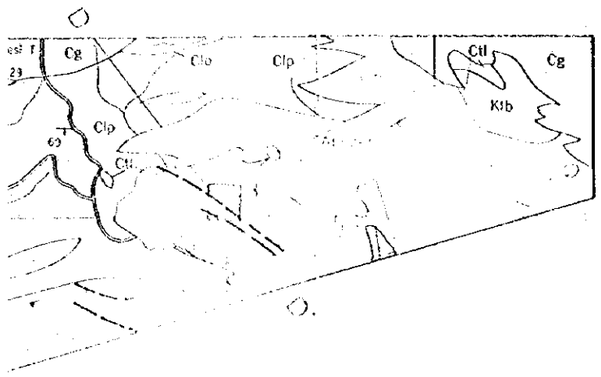


Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
N-168	Silicified Rock	0.2	< 5	0.91	<0.01	0.03	<0.006	12.81
N-111	Silicified Rock	1.5	100	0.17	0.39	0.03	<0.006	1.75
S-076	Slag	<0.1	15	1.02	0.04	1.56	<0.006	1.39

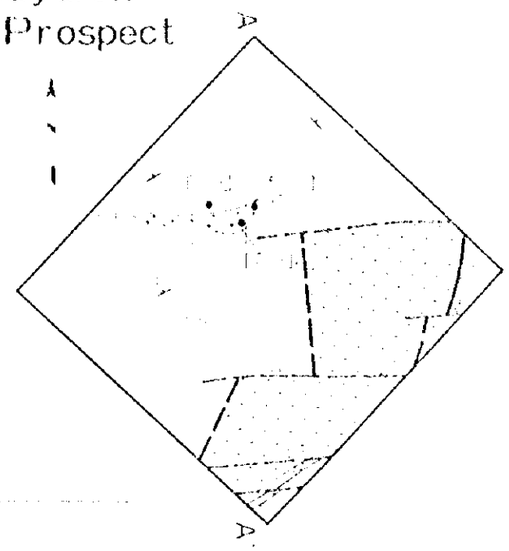
Sample No.	Sample Name	A
N-057	Pyrite Vein	
Y-165	Green Schist	<(



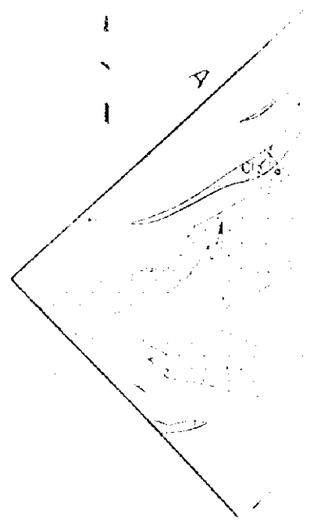


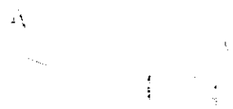


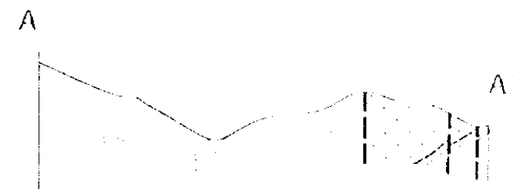
1 Alayürek
Prospect

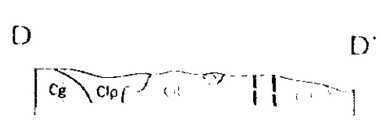


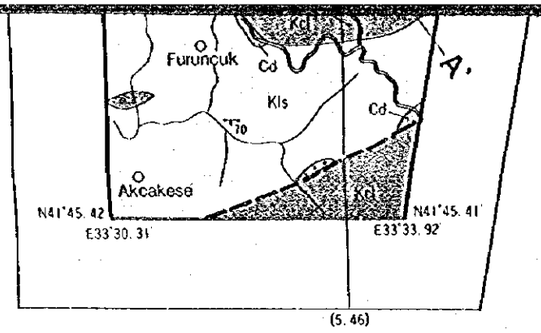
2 Cünür Prosp

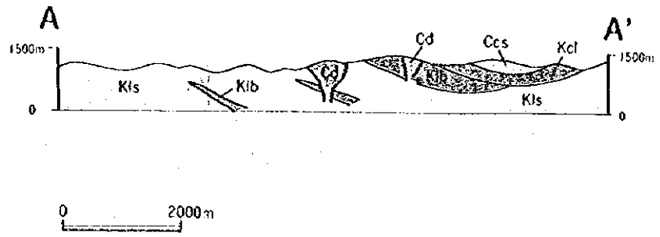


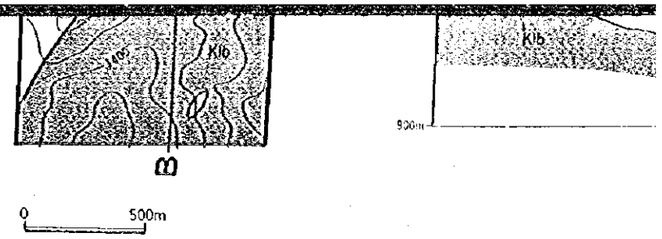






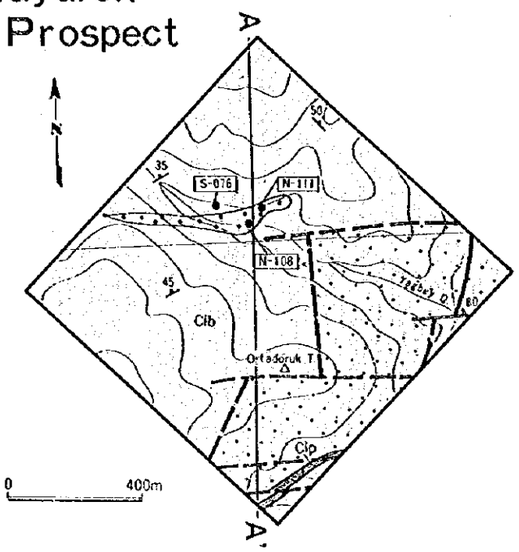


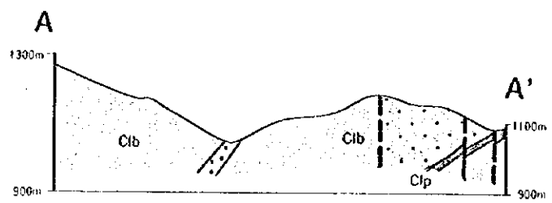




Sample No.	Sample Name	Au(g/t)	Ag(g/t)
S-261	Argillized Rock	<0.1	< 5
S-262	Silicified Rock	<0.1	< 5

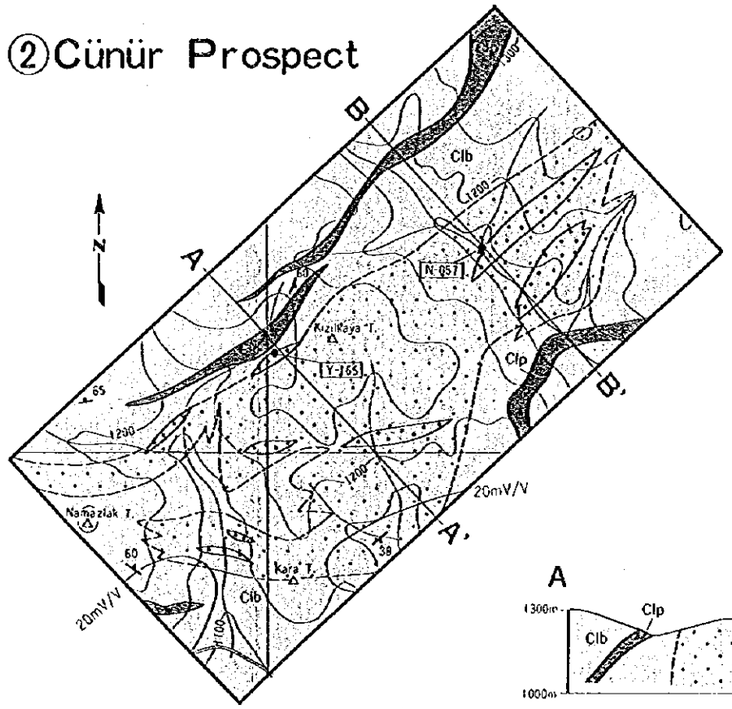
Alayürek Prospect

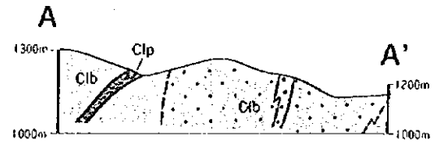


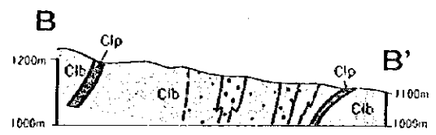


Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
N-108	Silicified Rock	0.2	< 5	0.91	<0.01	0.03	<0.006	12.81
N-111	Silicified Rock	1.5	100	0.17	0.39	0.03	<0.006	1.75
S-076	Slag	<0.1	15	1.02	0.04	1.56	<0.006	1.39

②Cünür Prospect

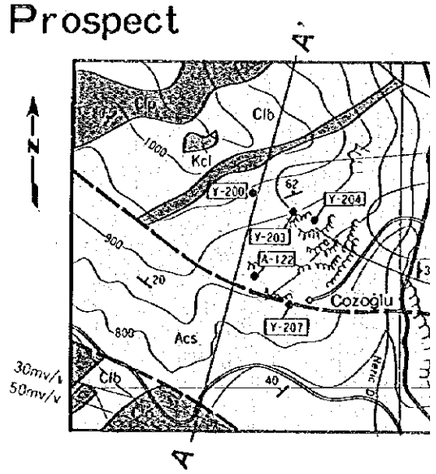


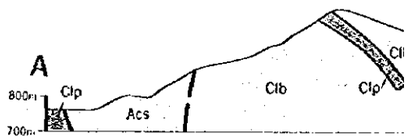




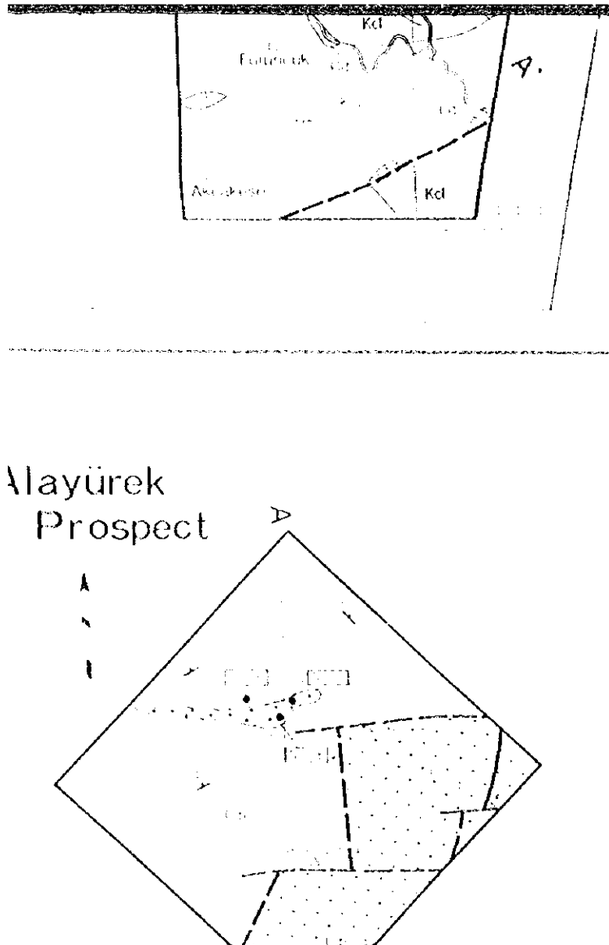
Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
N-057	Pyrite Vein	1.9	115	0.30	0.10	0.15	<0.006	40.26
Y-165	Green Schist	<0.1	—	8.31	<0.01	1.44	0.010	0.29

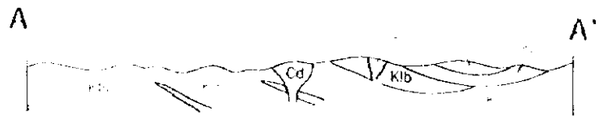
③Cozoğlu Prospect



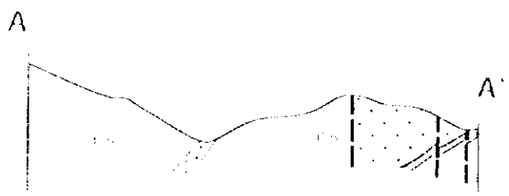


Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%
A-122	Slag	<0.1	< 5	1.19	0.07	0.1
Y-200	Quartz Vein	<0.1	5	2.50	<0.01	0.1
Y-203	Green Schist	<0.1	5	0.91	<0.01	0.1
Y-204	Slag	<0.1	5	4.81	<0.01	0.0
Y-207	Slag	<0.1	5	1.05	<0.01	0.1

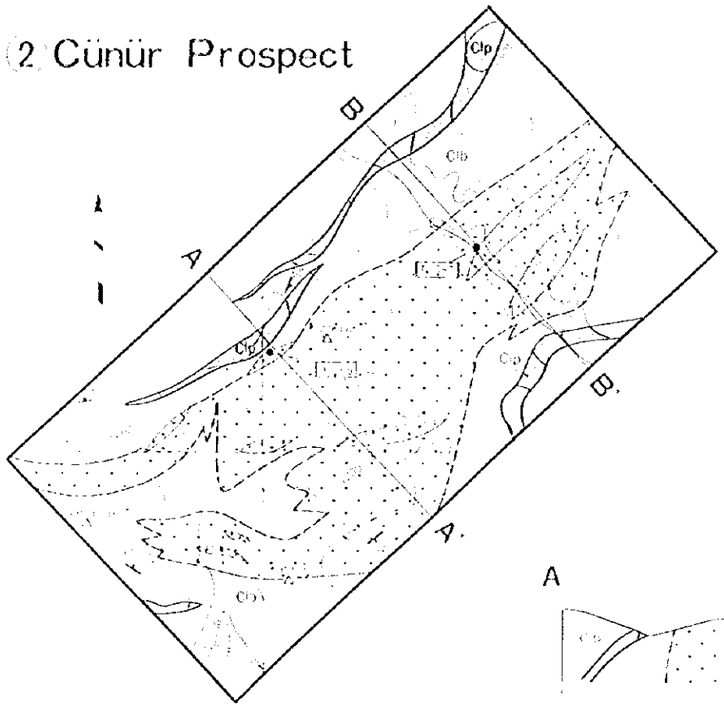




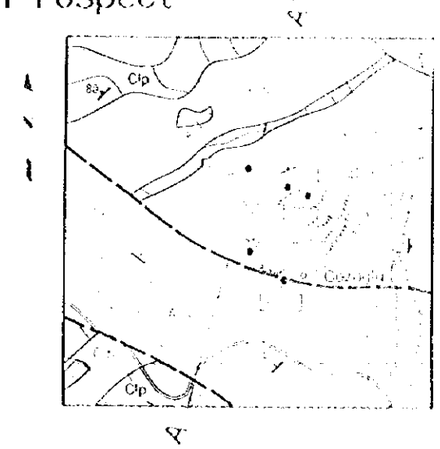
Alayürek Prospect

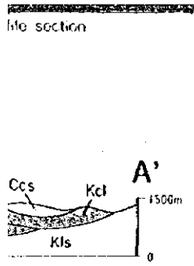


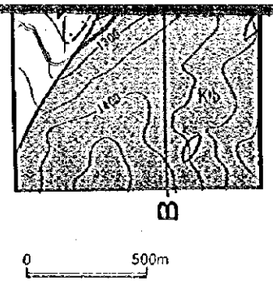
2 Cünür Prospect

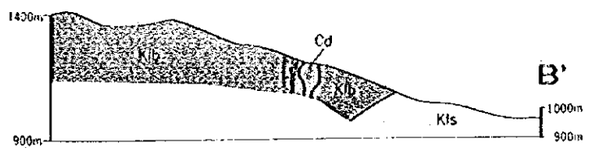


3 Cozoğlu Prospect









Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
S-261	Argillized Rock	<0.1	< 5	<0.01	<0.01	0.01	<0.006	3.58
S-262	Silicified Rock	<0.1	< 5	<0.01	0.01	0.01	<0.006	4.46

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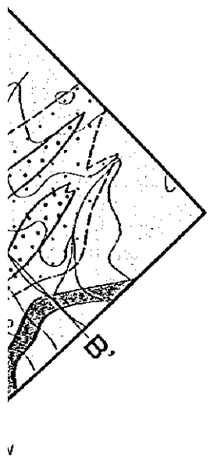
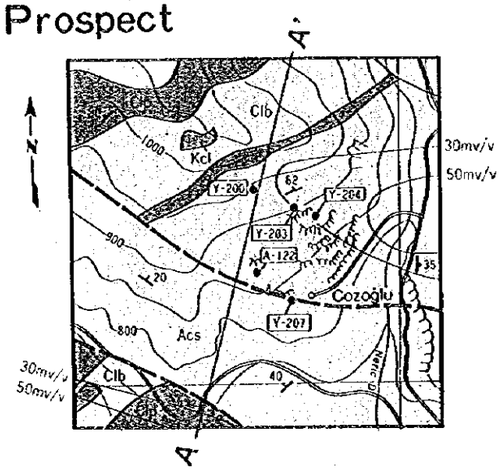
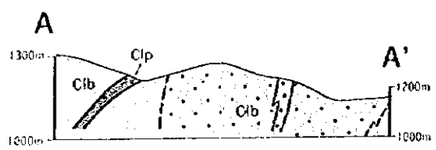
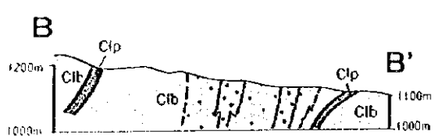
Mitsuo NOMURA (NED) Drilling Engineer
Hiromasa INABE (NED) Drilling Engineer

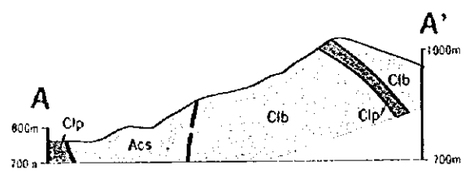


③Cozoğlu Prospect









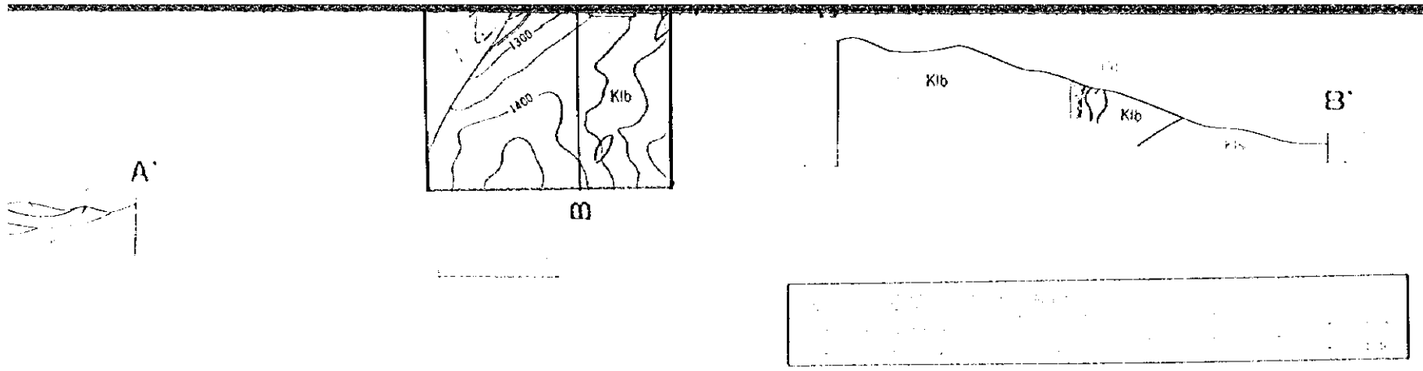
	Zn(%)	Co(%)	S (%)
	0.15	0.006	40.26
	1.84	0.010	0.29

Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
A-122	Slag	<0.1	< 5	1.19	0.07	0.19	0.170	0.35
Y-200	Quartz Vein	<0.1	5	2.50	<0.01	0.75	0.010	0.18
Y-203	Green Schist	<0.1	5	0.91	<0.01	0.16	0.010	1.22
Y-204	Slag	<0.1	5	4.81	<0.01	0.01	<0.006	0.49
Y-207	Slag	<0.1	5	1.05	<0.01	0.18	0.110	0.83

L E G E N D

Tertiary	Çaykoy F.	Ctl	Limestone
		Cta	Andesite
		Cts	Sandstone
Upper Cretaceous	Alaçam F.	Acs	Sandstone, mudstone, marl
Lower Cretaceous	Kızacik F.	Kcl	Limestone
Malm	Muzrup F.	Mmc	Conglomerate
Lias	Kayadibi F.	Kls	Sandstone, shale
		Klb	Basic rock
Pre-Lias	Çangal Metaophiorites	Clp	Pelitic schist
		Clb	Metabasic rock
		Cls	Serpentinite
Paleozoic	Devrekani Metomorphic	Dpg	Gneiss
Intrusive rocks		Da	Dacite
		Cg	Granitoid
		Ba	Basalt

Mineralized Zone
Silicified Zone
50mv/v — Contour Line Value of Chargeabi ! at 100m below surface
Sampling point
Fault
30 — Strike and dip of strata
Strike and dip of schistosity
A—A' Profile section



[Turkish Members]

[Japanese Members]

LEGEND

③ Cozoğlu Prospect