

(4) ディクメンダー地区マスキョイ区域

マスキョイ鉱化帯は、母岩が玄武岩であり、褐鉄鉱網状脈及び黄鉄鉱鉱染帯から構成されることはキューレ鉱床付近に見られる鉱化帯と同様である。本鉱化帯に隣接して珪化帯が分布し、さらに珪化帯はデイサイトと接する。本珪化帯はデイサイトの貫入に伴い形成されたとも解釈できるが、ディクメンダー地区内の他のデイサイトは珪化帯または鉱化帯を伴っていないことからデイサイトにその原因を求める根拠はない。本鉱化がキプロス型の鉱化であるか否かについて議論する十分なデータはないので、本鉱化帯はその可能性がある鉱化帯であることを指摘するに留める。

4-2 結 論

【キューレ地区】

キューレ地区では、初年度に地質調査、物理探査(CSAMT法及びIP法)が、第2年度にはボーリング調査及び電気検層が、第3年度にはボーリング調査が実施された。これらの調査により、以下の結論が得られた。

(1) 本地区の地質は、先ジュラ系の超マフィック岩類、ジュラ系キューレ層の玄武岩類及び堆積岩類、白亜系下部カラダナ層の灰白色含化石石灰岩、白亜系上部チャーラヤン層の淡褐色白色マール及び崖錐堆積物、さらに、貫入岩類である閃緑岩及びデイサイトよりなる。

(2) 本地区の大部分を占めるジュラ系キューレ層の玄武岩類は、枕状溶岩、ハイアロクラスタイト及び塊状玄武岩に区分される。キューレ層の堆積岩類は、黒色頁岩、砂岩などが構造的に破碎され、これらの角礫が混在した角礫岩よりなっている。キューレ層はメランジェと解釈される。

(3) 本地区の地質構造は多数の断層構造により特徴づけられ、N-S系断層とこれを切るE-W系断層が発達する。貫入岩類の地表における伸長方向は、近隣の断層走向方向、特に、キューレ層の堆積岩類と玄武岩類の境界方向と調和した方向である。玄武岩類はすべて鉱床下盤及び鉱床胚胎岩と考えられ、それらは平面的にN-SないしNNW-SSE方向に伸長する覆瓦構造を示している。

(4) 本地区に賦存する鉱床は、キプロス型銅鉱床である。既知鉱床は、ハイアロクラスタイトと泥質岩の境界部またはハイアロクラスタイト中に位置する塊状、礫状、網状及び鉱染状硫化鉱物鉱床である。

(5) メランジェ形成時及びその後の構造運動により鉱床は転位していると推定される。鉱床は鉱床下盤の鉱化帯及び鉱床上盤の泥質岩とともに転位していることが多いと考えられる。

(6) パキババ鉱床南西にて着鉱幅75cm, Cu4%の塊状鉱床を捕捉した。本地点及び深度はCSAMT法による低比抵抗帯にほぼ当たる。鉱石の特徴は既知鉱床と同様であり、新たなキプロス型鉱床の賦存を確認できた。

(7) ゼンベクレル鉱化帯の北北西に新たな鉱化帯の存在を把握した。本鉱化帯からゼンベクレル鉱化帯にかけて低比抵抗帯が分布しており、この間に新鉱床の賦存が期待できる。

(8) アシュキョイ鉱床南方に得られていた低比抵抗帯は、泥質岩及び断層破砕帯を表したものと考えられる。アシュキョイ鉱床南方では塊状鉱床が断層により変位して浅部に胚胎することが期待されたが、既知鉱床と同規模の塊状鉱床が浅部に賦存する可能性は低いと判断される。

(9) パキババ鉱床では、現在の鉱床上位に網状脈帯及び鉱染帯が分布することから、鉱床周辺では逆転構造が想定される。クズルス鉱床は網状脈帯がその主体である。パキババ鉱床-クズルス鉱床間に露出するゴッサンは、本地区に賦存が期待される塊状鉱床の下盤の鉱化変質帯を意味している可能性が高いと考えられる。

(10)本地区においてCSAMT法により把握された低比抵抗帯は、鉱床の賦存を表現している場合もあるが、泥質岩または玄武岩中の破砕帯を捉えていることが多いと考えられる。岩石及びボーリングコアの物性測定から、低比抵抗異常は塊状鉱床、網状脈、黒色頁岩、一部の砂岩で生じることが多いと言える。このため本地区の鉱床探査にはIP探査の方が好ましいと考えられる。本地区に賦存が期待される塊状鉱床は、一般にその規模が小さいと考えられるので、IP探査に当たっては電極間隔及び測線間隔を密にして測定を実施することが必要と考える。

【タシュキョブル地区】

本地区では、初年度に地質調査が、第2年度には物理探査(IP法)が実施された。これらの調査により、以下の結論が得られた。

(1)本地区の地質は、下位より、デブレカーニ変成岩類、チャンガル・メタオフィオライト、カヤディビ層、ムズルツ層、クザジック層、アラチャム層及びチャイキョイ層からなる。

(2)本地区の鉱微地として、ジョゾール、ジュヌール、アラユレック、ボヤル、ムサソザルムット、セイセイラ、ケベス及びジュヌール東部鉱化帯がある。いずれもチャンガル・メタオフィオライト中の銅・亜鉛を伴う鉱化作用である。既存資料解析結果及び地質調査結果からジョゾール及びジュヌールが鉱床賦存有望地域として抽出された。

(3)ジョゾール区域には、旧坑口が2箇所あり、多量の鉱滓及びズリが見られる。これら

はいずれもチャンガル・メタオフィオライト中に分布する。本区域の地表露頭には、ごく小規模な黄鉄鉱鉱染を除き、鉄微は認められない。物理探査により、旧坑口、鉄滓などが分布する範囲からさらに東方にかけて高充電率異常帯が把握された。本異常帯の断面上の形態及び地質から、本異常帯は急傾斜の層状含銅硫化鉄鉄床の賦存を示唆するものと解釈される。

(4) ジュヌール区域に認められる鉄化帯は、緑色片岩中に見られる8箇所のレンズ状ないしは層状のゴッサンよりなる。これらのゴッサンは石英-褐鉄鉄-黄鉄鉄網状脈及び褐鉄鉄鉄染帯よりなる。ゴッサンには脱色珪化または粘土化が認められる。タイムドメインIP法による調査の結果、ゴッサンの下部の比抵抗値はバックグラウンド程度であり、充電率は周囲より低い値を示すことから、ゴッサン下部に期待できる鉄化帯は小規模と考えられる。区域内に広く分布する珪化帯の下部については、その充電率が地表に露出する珪化帯の充電率と同程度であるため、硫化鉄物の潜頭性鉄化帯の存在は期待しにくい。本区域南部の珪化帯に隣接する範囲に認められた高充電率異常帯は、その異常形態、充電率及び比抵抗値、さらに周囲の地質から、硫化鉄物鉄染帯であろう。

【ディクメンダー地区】

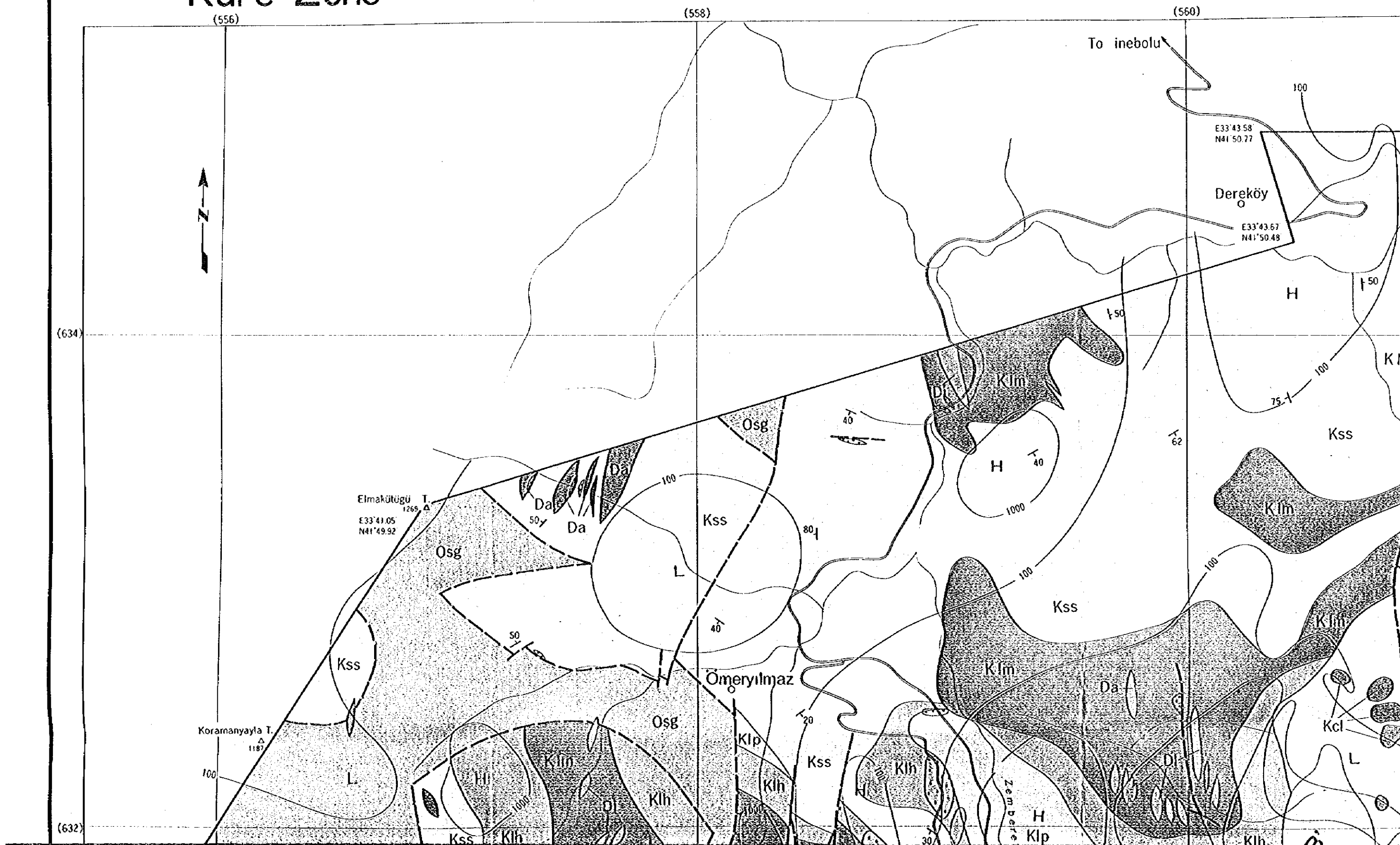
本地区では、初年度に地質調査が実施された。この調査により、以下の結論が得られた。

(1) 本地区の地質は、下位より、ライアス統のキューレ層、白亜系のキョステックジレル層及びサツキョイ層、貫入岩としての閃緑岩及びデイサイトからなる。

(2) マスキョイ鉄化帯はNE-SW方向に延びる、面積300×50mの広がりを持つ褐鉄鉄網状脈及び黄鉄鉄鉄染帯またはゴッサンよりなる。母岩は玄武岩であり、黄鉄鉄鉄染帯では珪化し暗灰色を呈する。鉄化帯周辺にはデイサイトが見られるが、新鮮で変質鉄化は認められない。マスキョイ鉄化帯がキプロス型の鉄化であるか否かについて議論する十分なデータはない。

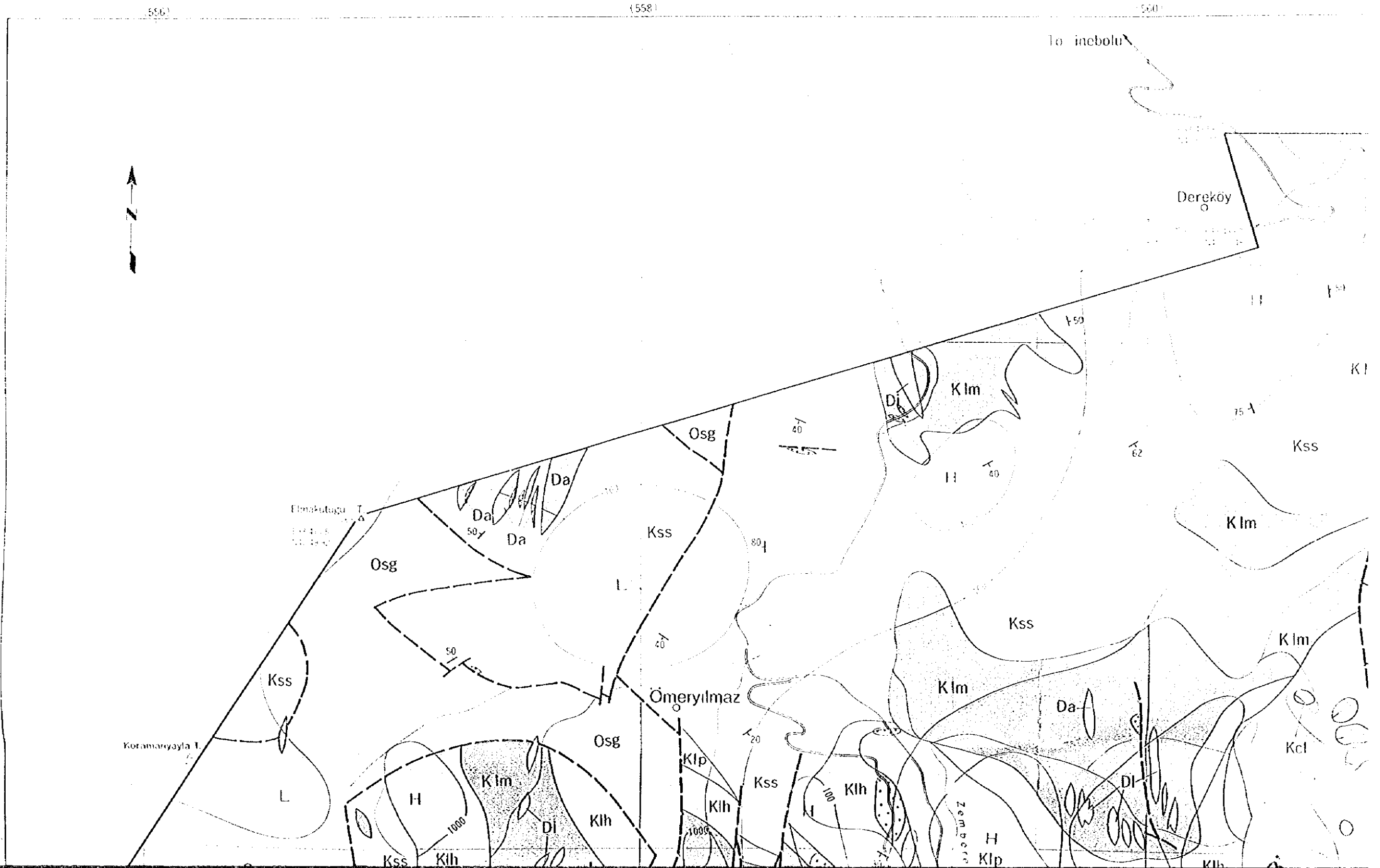
GEOLOGY AND ORE DEPOSITS OF

Küre Zone

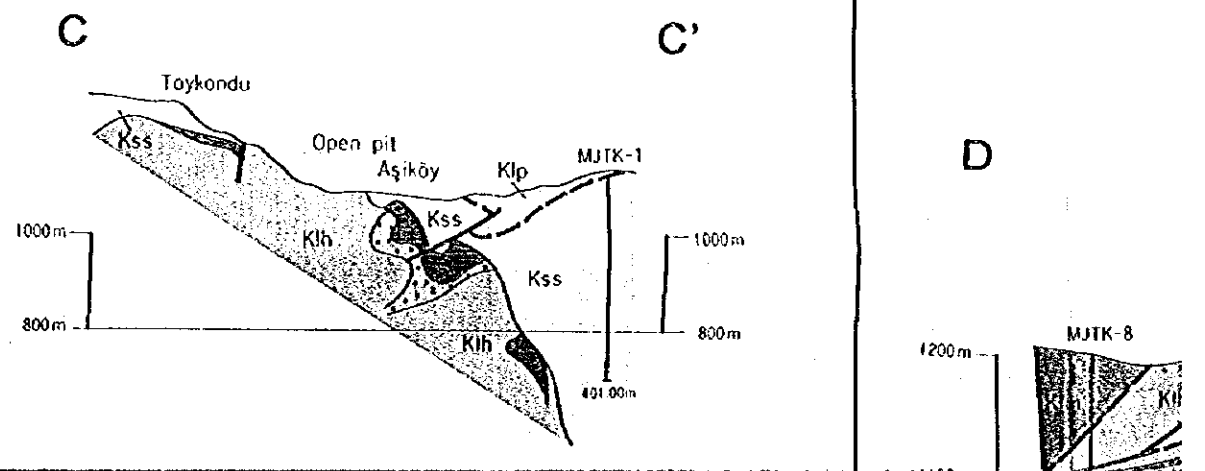
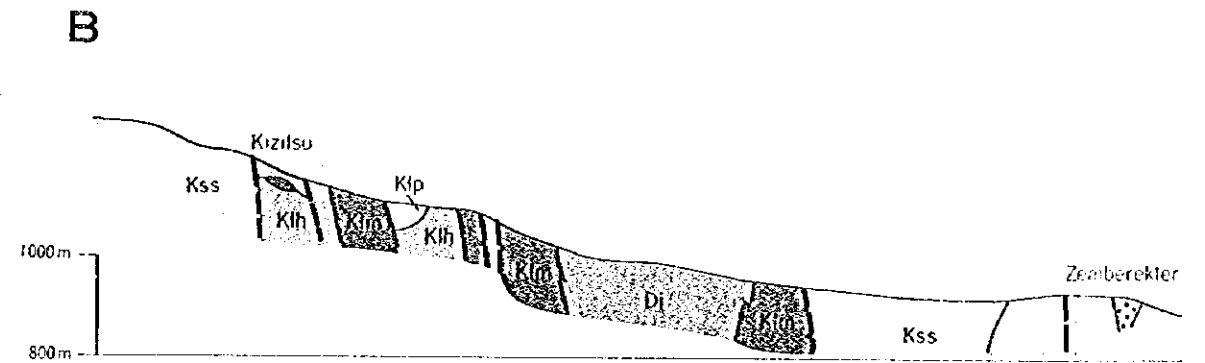
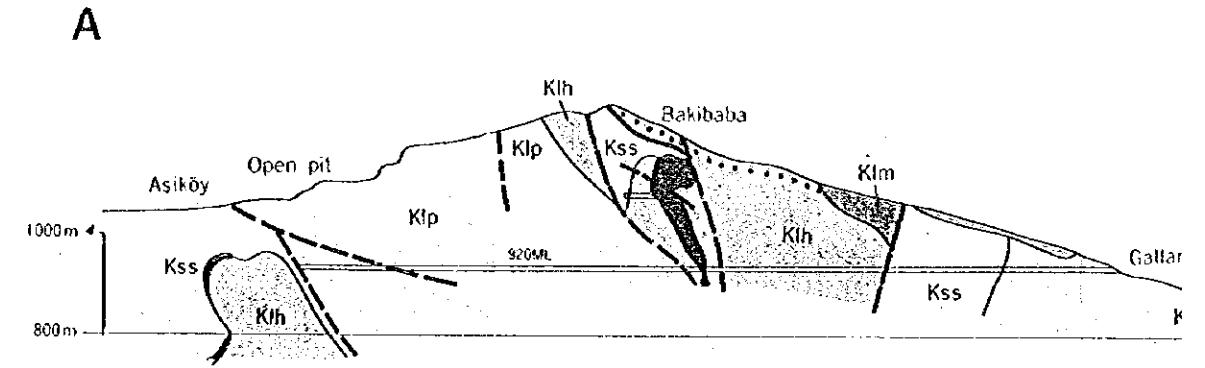
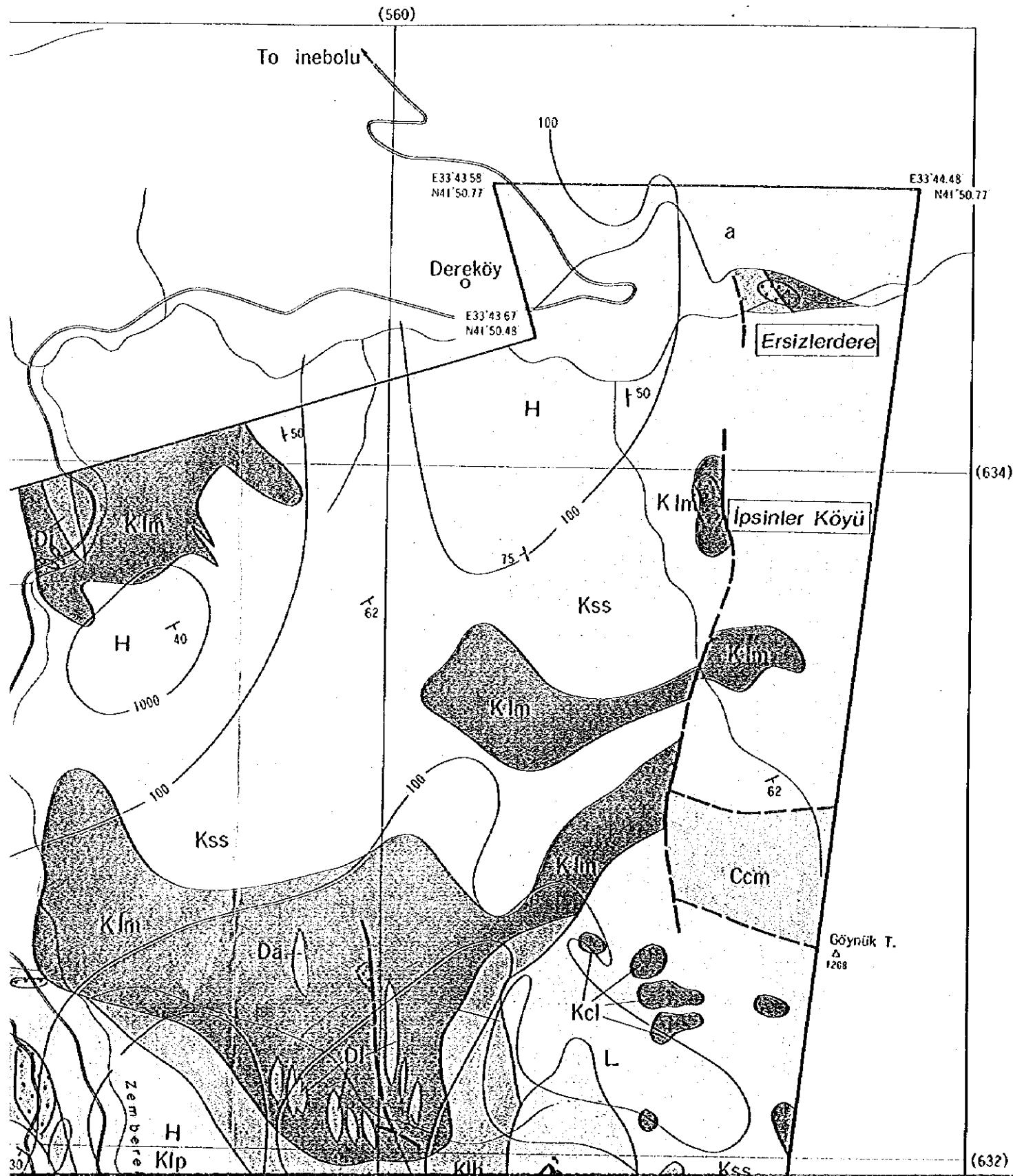


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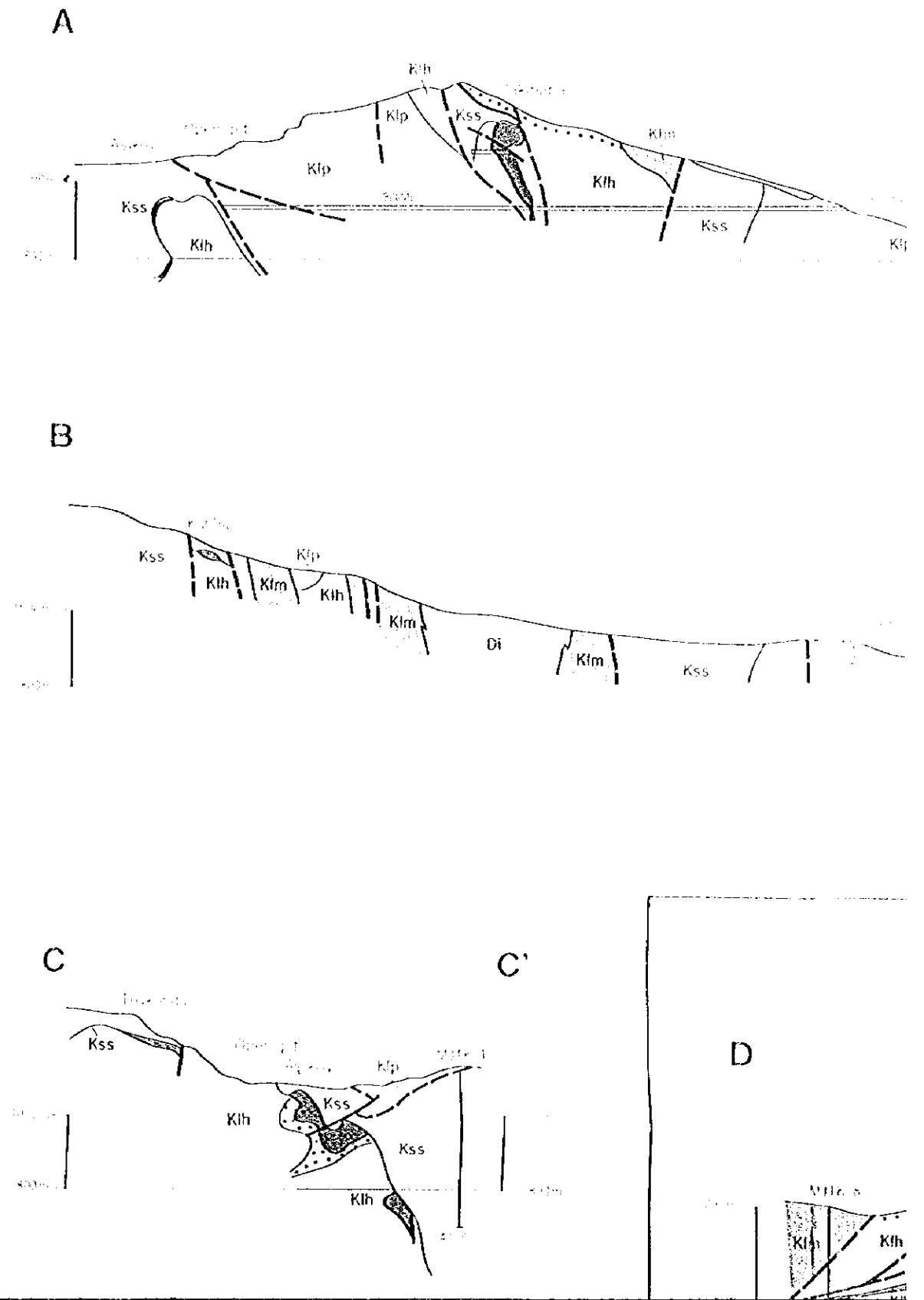
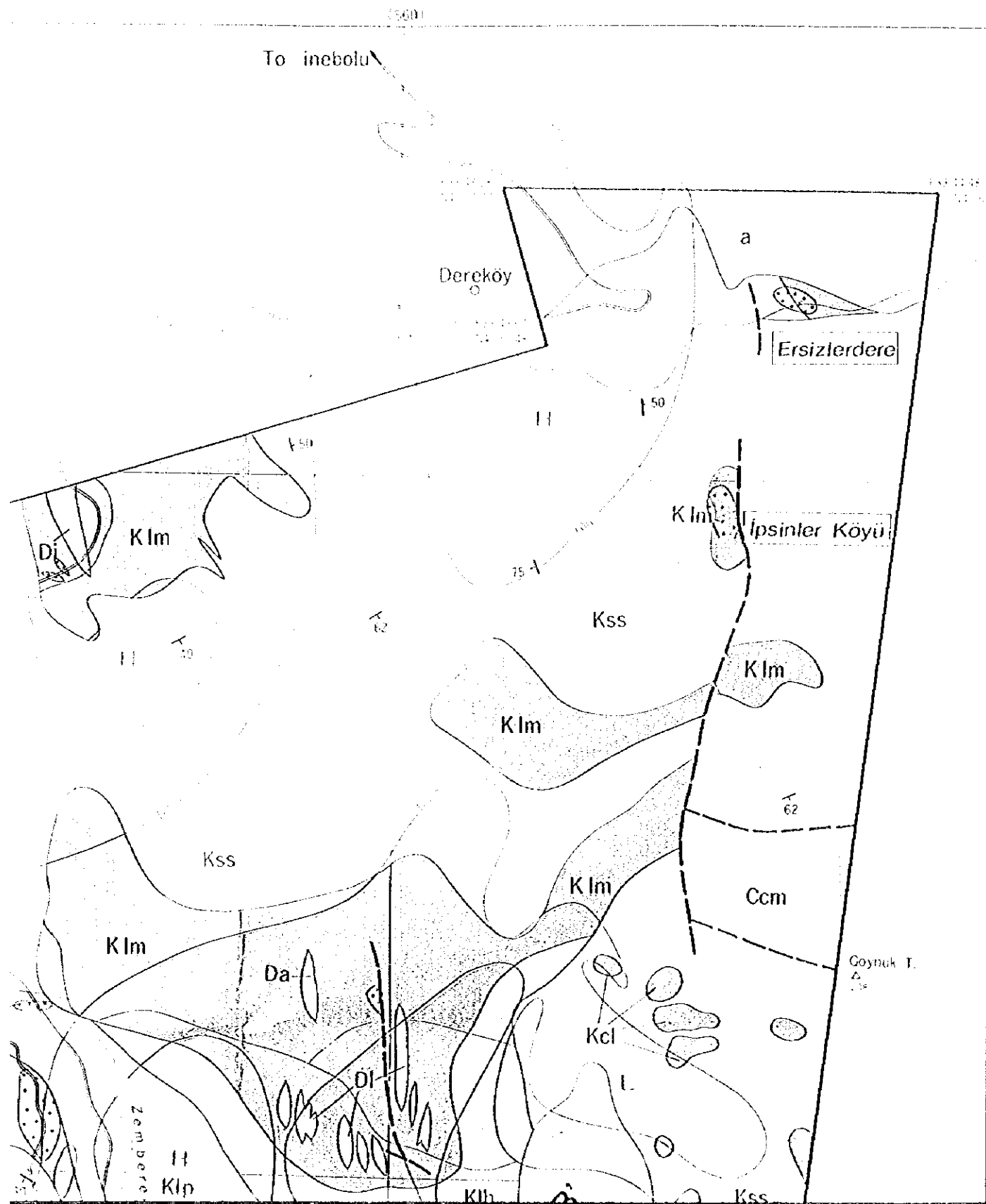
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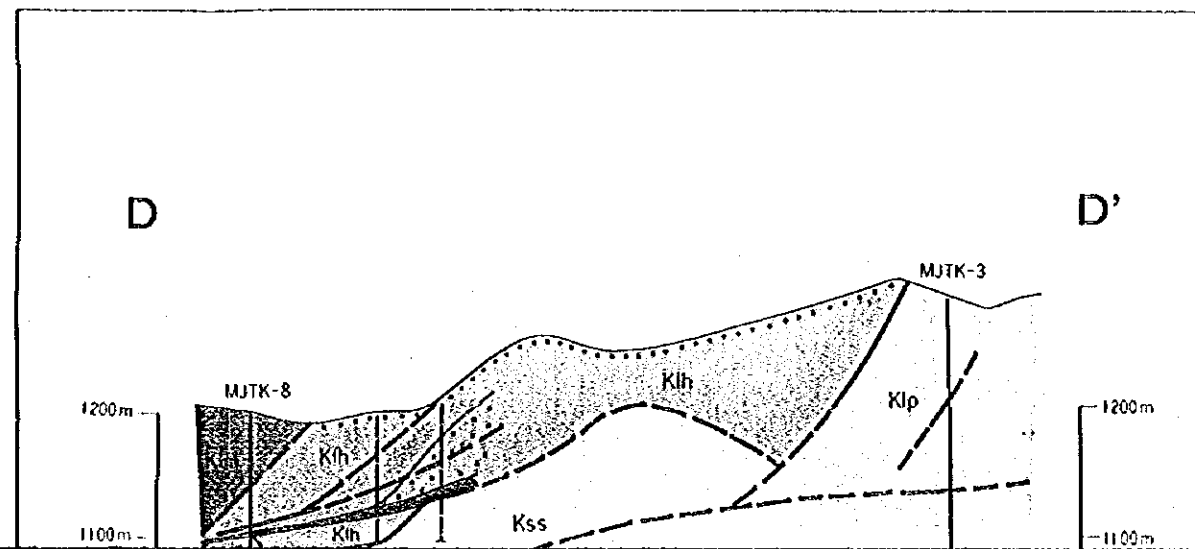
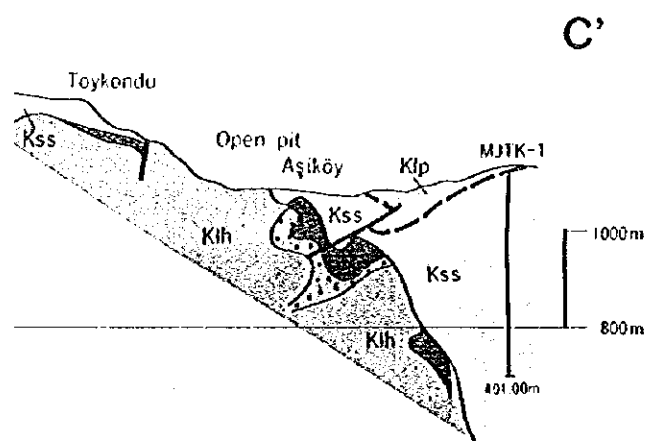
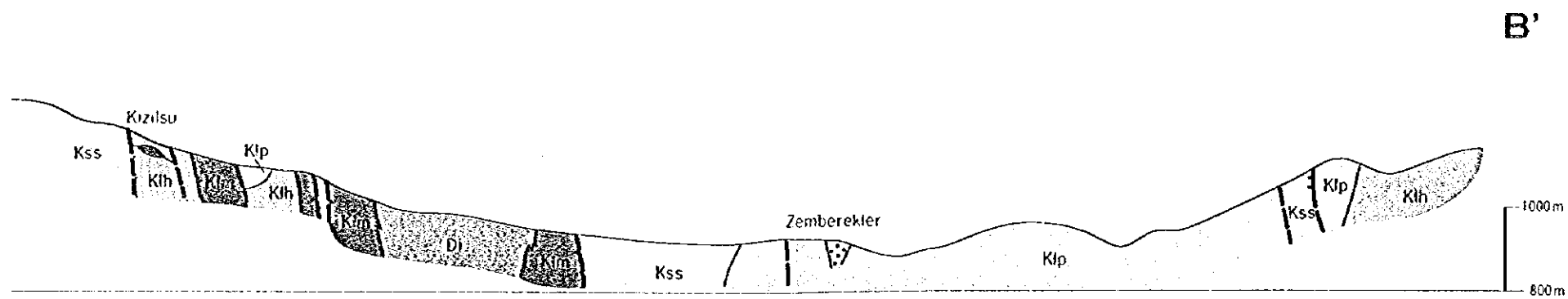
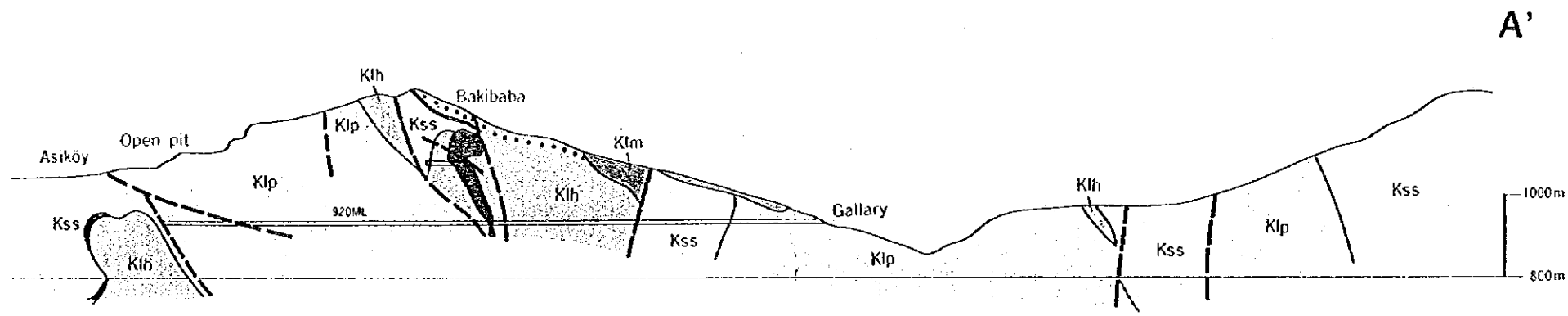
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ORE DEPOSITS OF THE KÜRE AREA, THE REPUBLIC



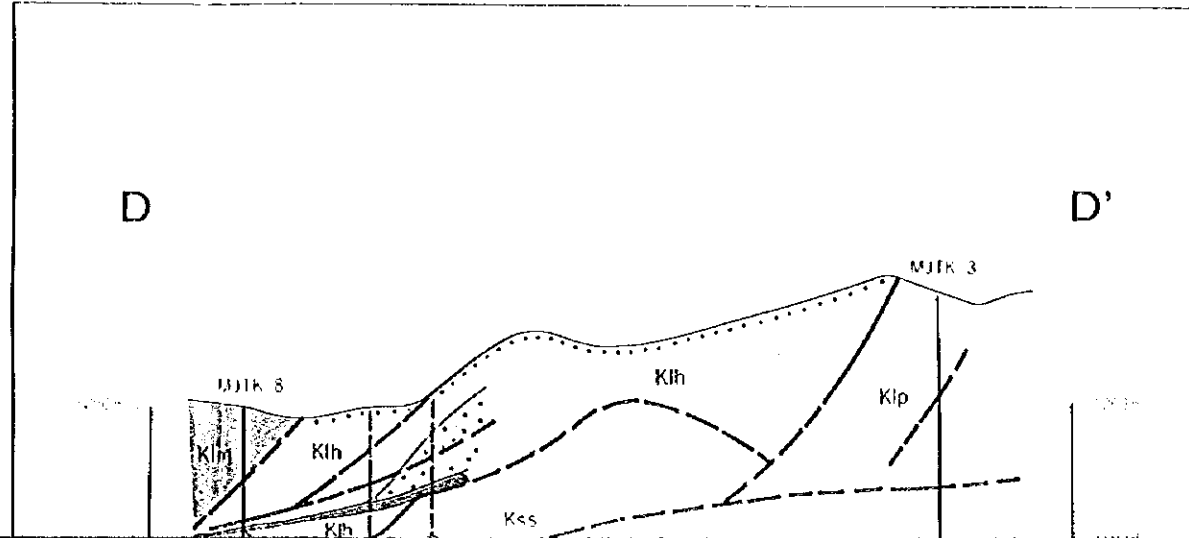
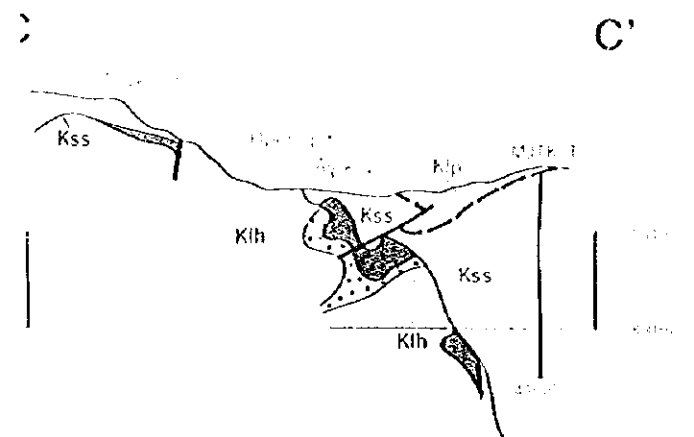
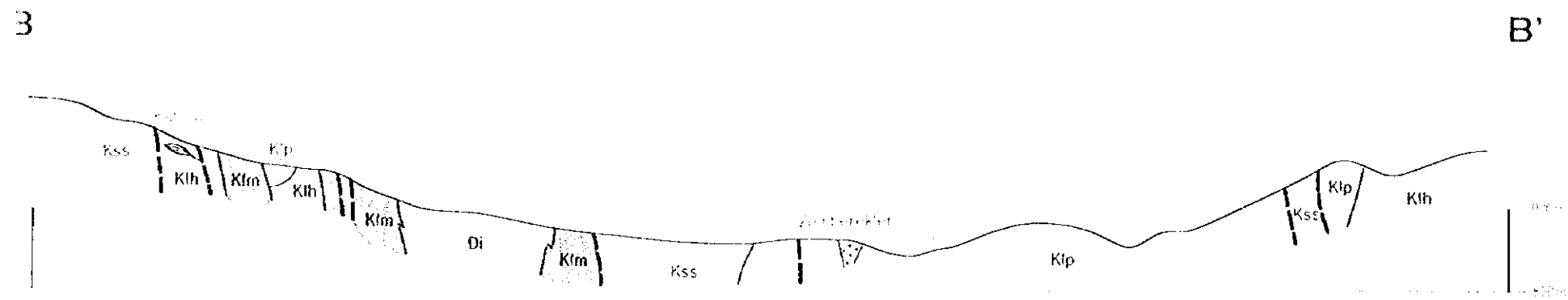
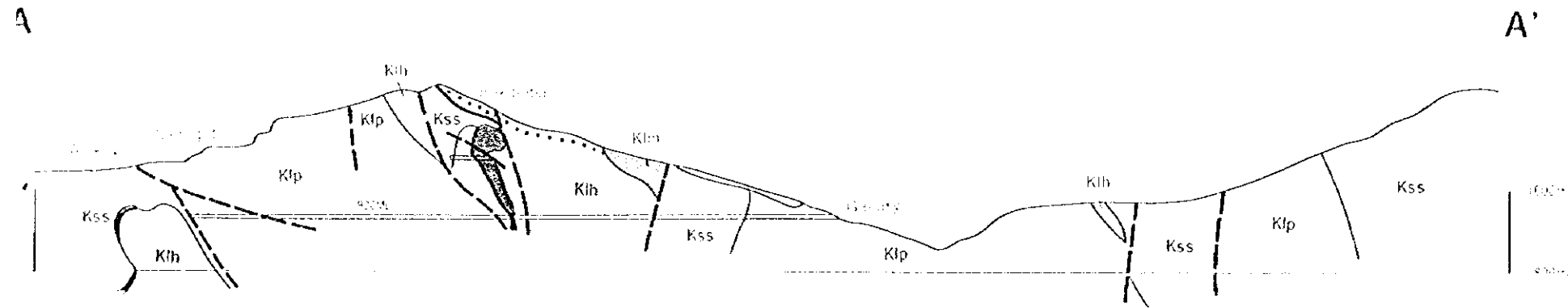
REA, THE REPUBLIC OF TURKEY



LEGEND

Quaternary		a	Talus Deposit
Upper Cretaceous	Çağlayan F.	Ccm	Marl
		Kcl	Limestone
Lower Cretaceous	Karadana F.	Kss	Breccia (shale, sandstone)
Lias	Küre F.	Klp	Pillow Lava
		Kih	Hyaloclastite
		Klm	Massive Basalt
		Da	Dacite
Intrusive Rock		Di	Diorite
		Osg	Ultramafic Rock
			Ore Deposit
			Gossan/Network and Disseminated Ore
			Fault
		68	Strike and Dip of Strata
			Shag
			Dump
			Gallery
		100	Contour Line Value of Resistivity (ohm-m) at -200m
			Drilling Hole
		A—A'	Profile Section

AREA, THE REPUBLIC OF TURKEY

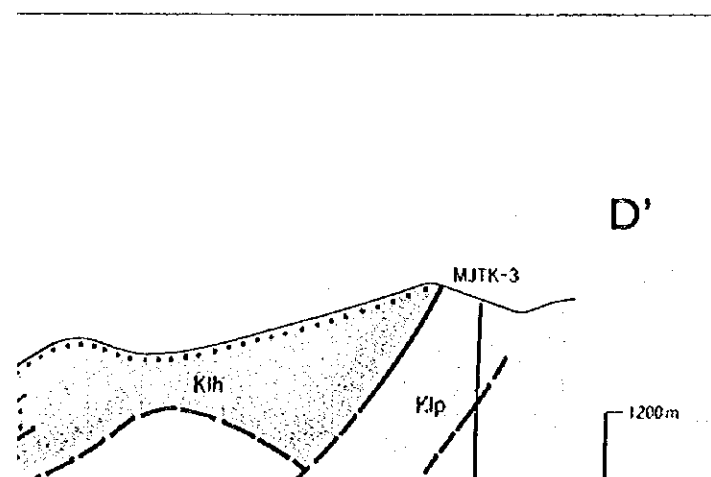
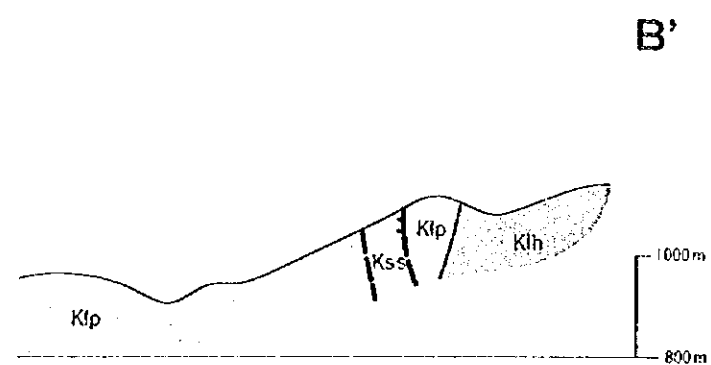
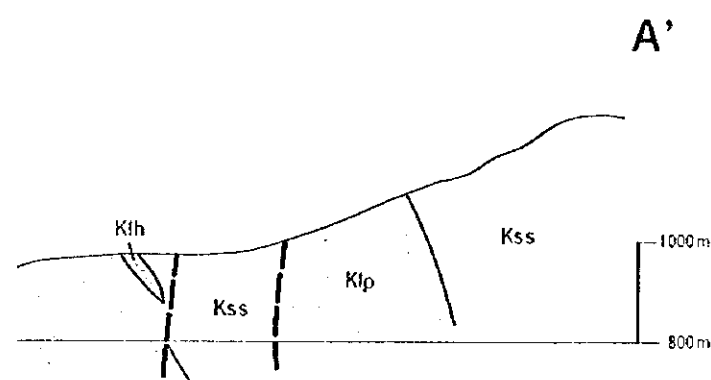


LEGEND

Quaternary		Q1	Quaternary
Upper Cretaceous	Cretaceous	C1	Upper Cretaceous
		C2	Lower Cretaceous
Lower Cretaceous	Cretaceous	C3	Lower Cretaceous
		C4	Lower Cretaceous
Eocene	Eocene	E1	Eocene
		E2	Eocene
		E3	Eocene
		E4	Eocene
		E5	Eocene
		E6	Eocene
		E7	Eocene
Miocene	Miocene	M1	Miocene
		M2	Miocene
		M3	Miocene
			Quaternary
			Upper Cretaceous
			Lower Cretaceous
			Eocene
			Miocene
			Fault
			Unconformity
			Sea level
			Topography
			Geological boundary
			Drilling hole
A	A'		Cross-section

F TURKEY

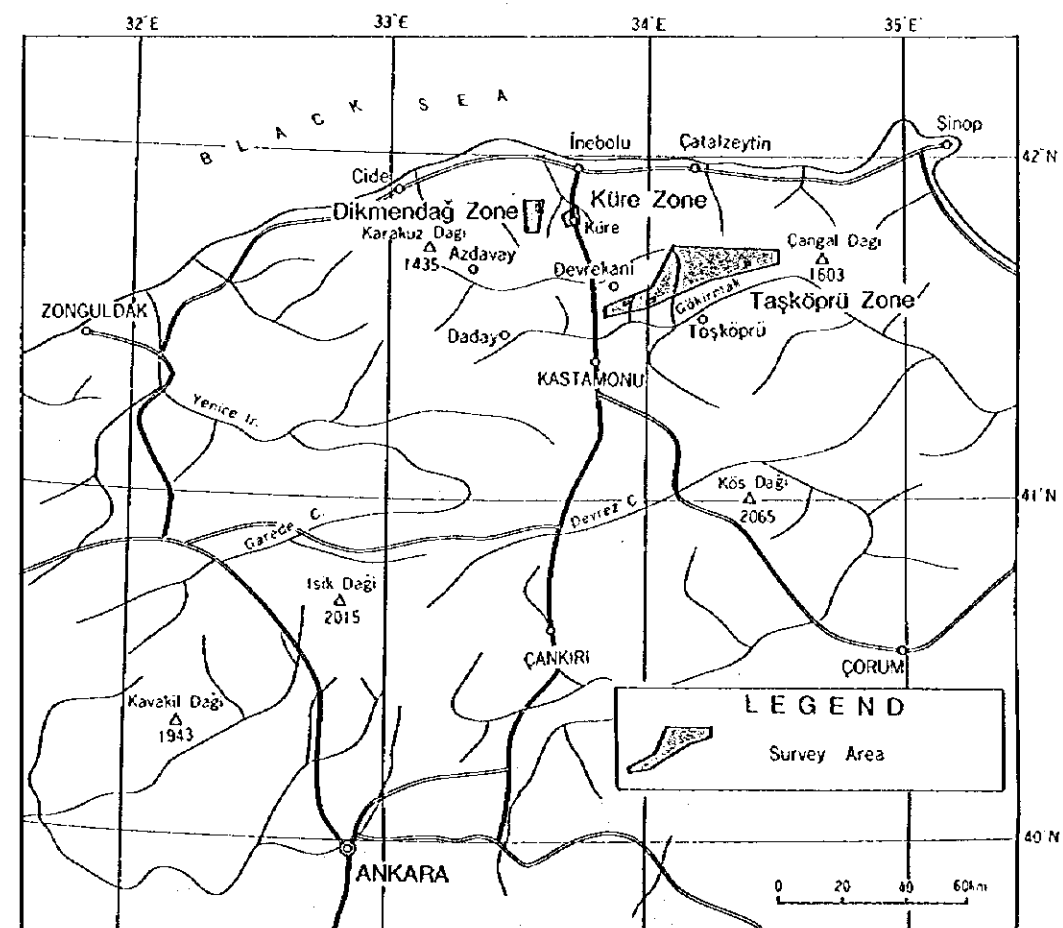
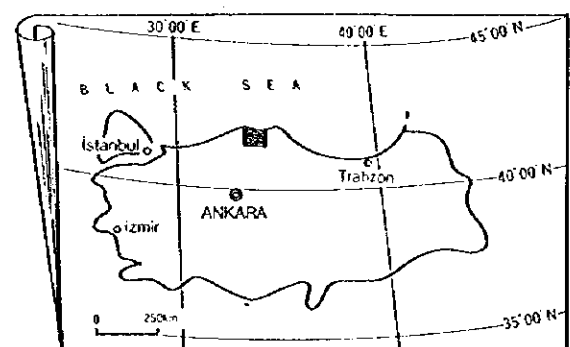
THE COOPERATIVE MINERAL EXPLORATION BY JICA/MMAJ-ETİBANK, 1992-1994



LEGEND

Quaternary		a	Talus Deposit
Upper Cretaceous		Ccm	Marl
		Kcl	Limestone
Lower Cretaceous		Kss	Breccia (shale, sandstone)
Lias		Klp	Pillow Lava
		Kih	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
			Slag
			Dump
			Gallery
		100	Contour Line Value of Resistivity (ohm-m) at -200m
			Drilling Hole
		A—A'	Profile Section

Index Map

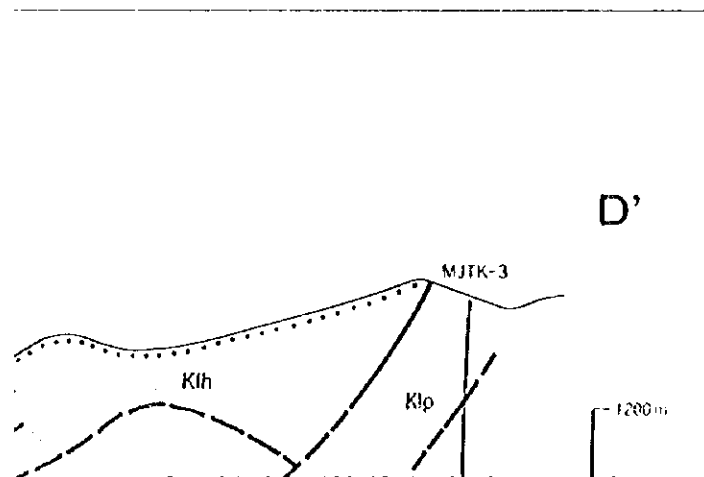
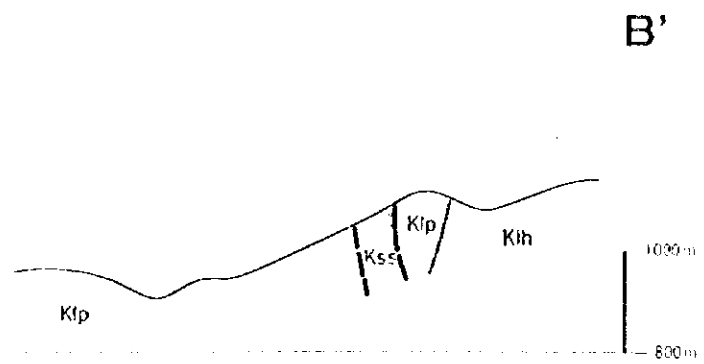
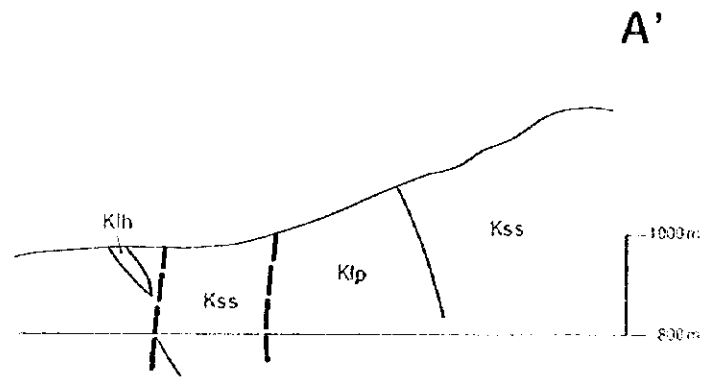


LEGEND
Survey Area

Members of the Survey Team

F TURKEY

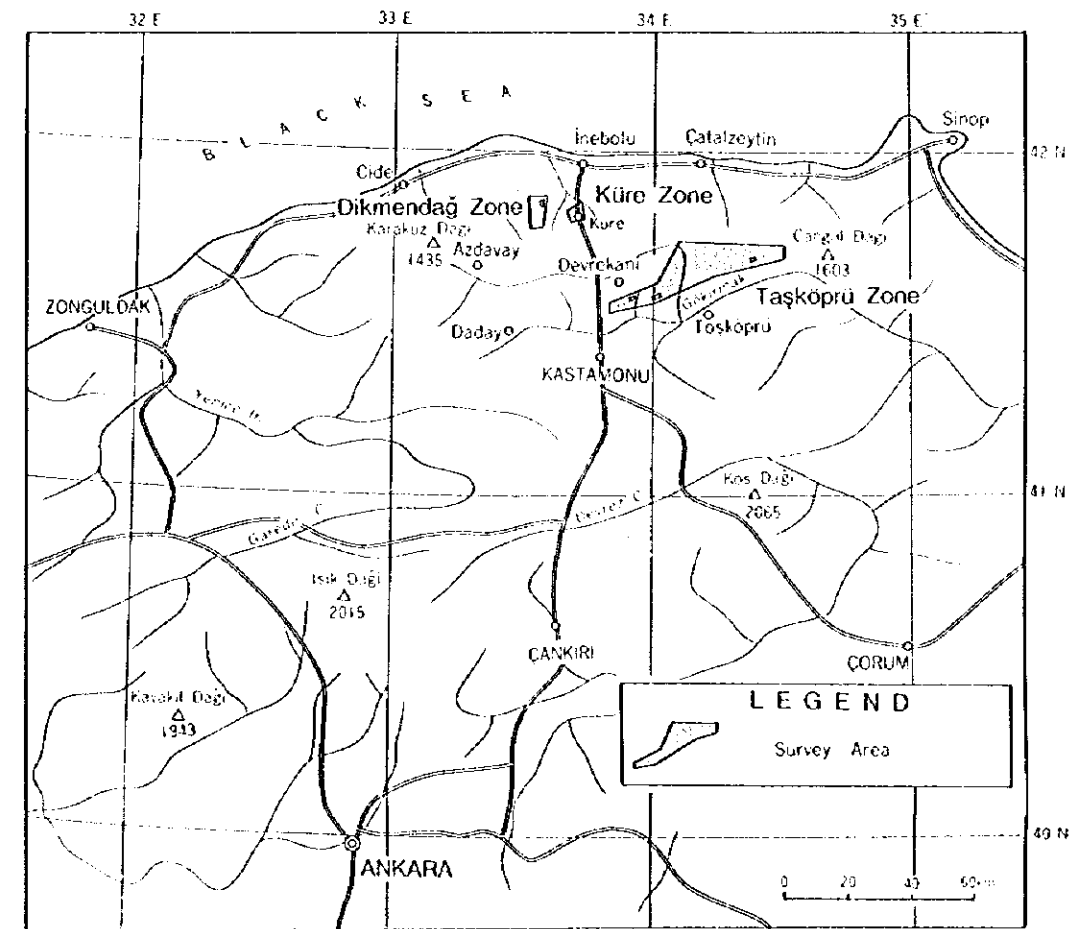
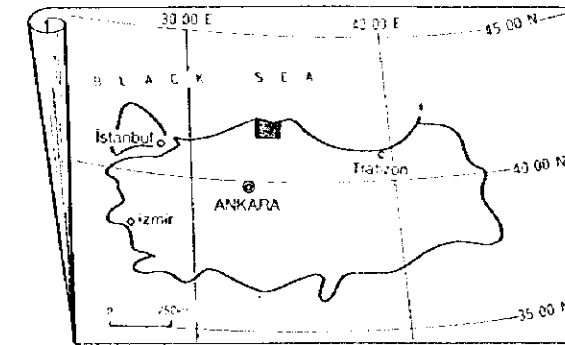
THE COOPERATIVE MINERAL EXPLORATION BY JICA/MMAJ-ETİBANK, 1992-1994



LEGEND

- | | | | |
|------------------|--|-----|--|
| Quaternary | | a | Talus Deposit |
| Upper Cretaceous | | Com | Marl |
| | | Kct | Limestone |
| Lower Cretaceous | | Kss | Breccia (shale, sandstone) |
| Eocene | | Klp | Pillow Lava |
| | | Kih | Hyaloclastite |
| | | Klm | Massive Basalt |
| Intrusive Rock | | Da | Dacite |
| | | Di | Diorite |
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| | | | Ore Deposit |
| | | | Gossan/Network and Disseminated Ore |
| | | | Fault |
| | | | Strike and Dip of Strata |
| | | | Slag |
| | | | Dump |
| | | | Gallery |
| | | | Contour Line Value of Resistivity (ohm-m) at -200m |
| | | | Drilling Hole |
| | | | Profile Section |

Index Map



Members of the Survey Team

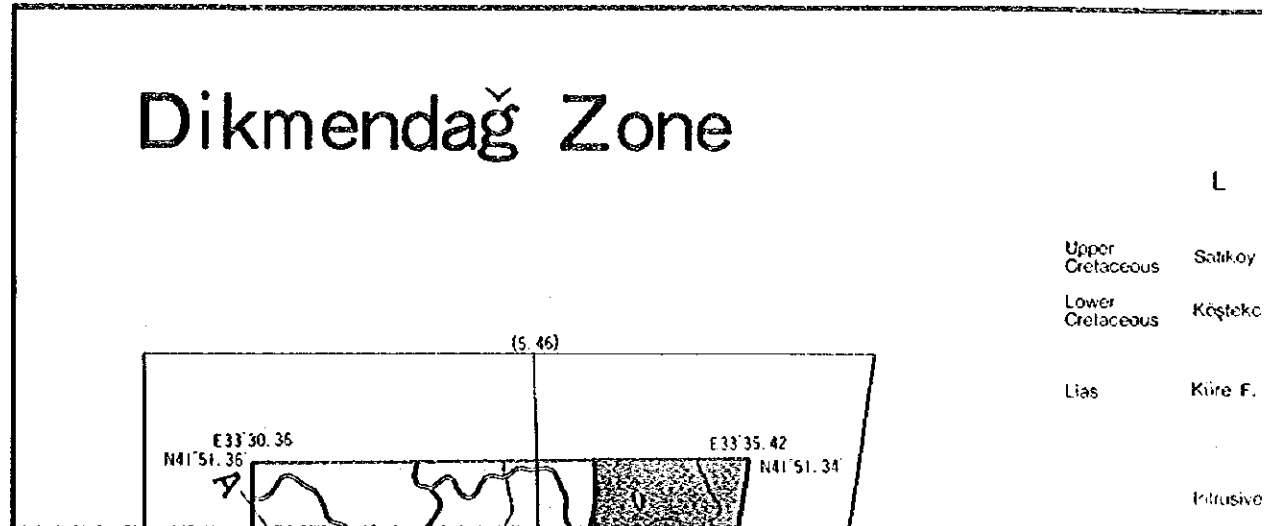
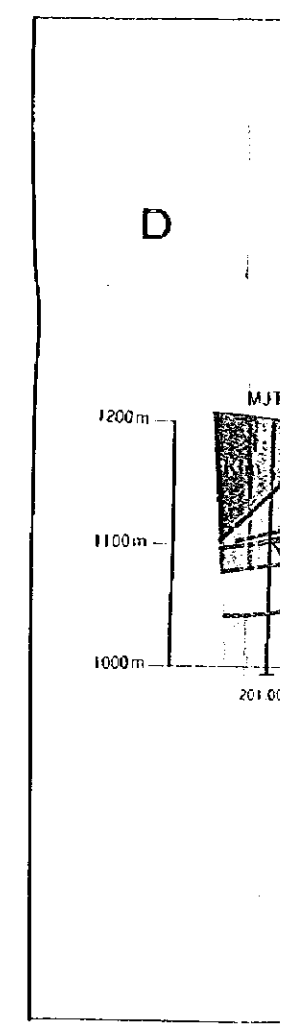
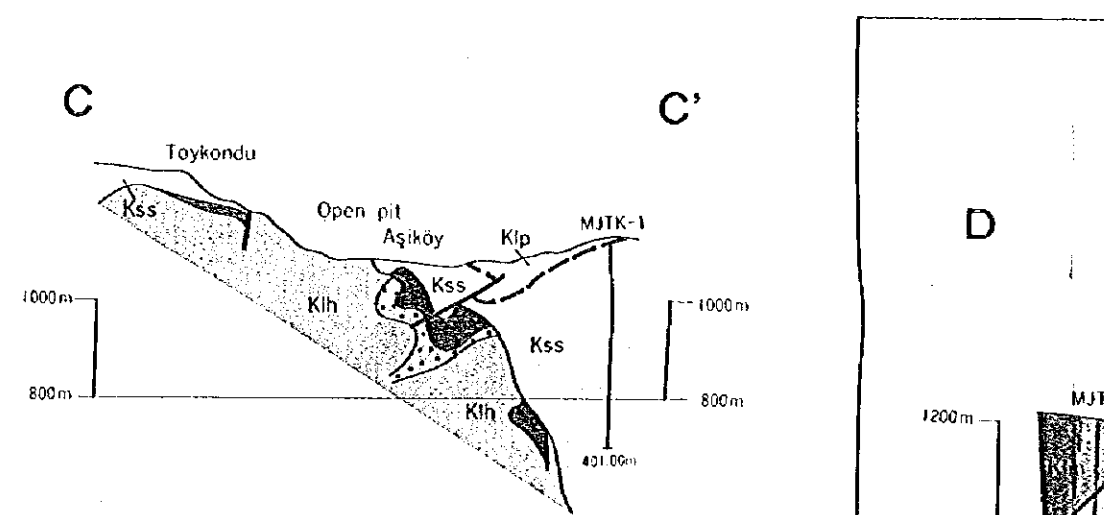
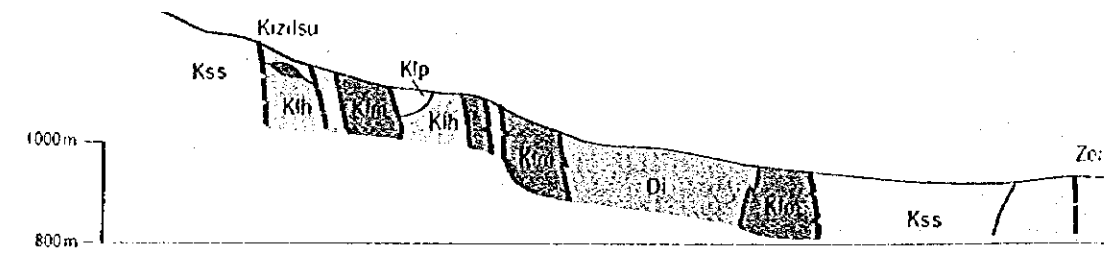
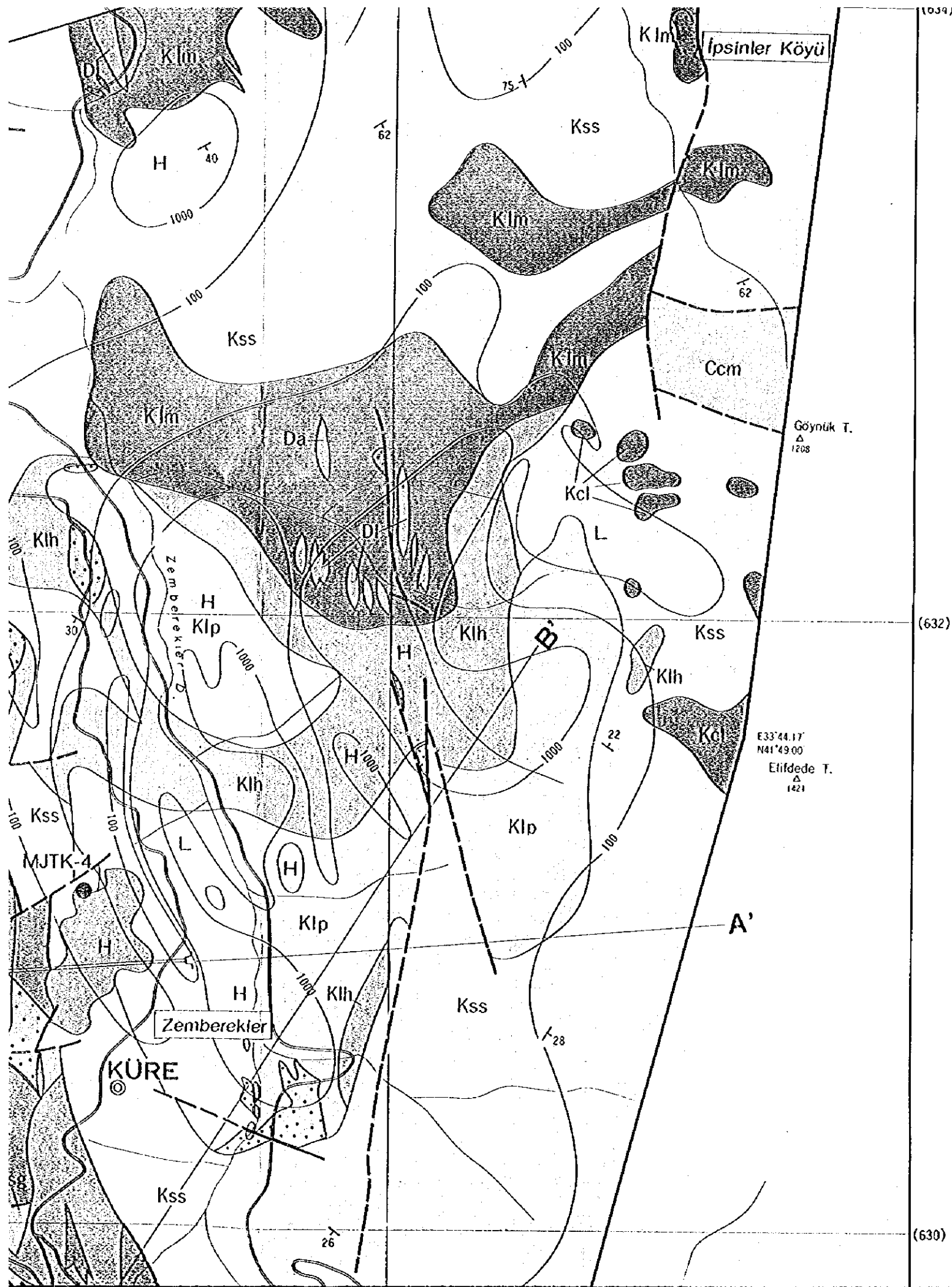
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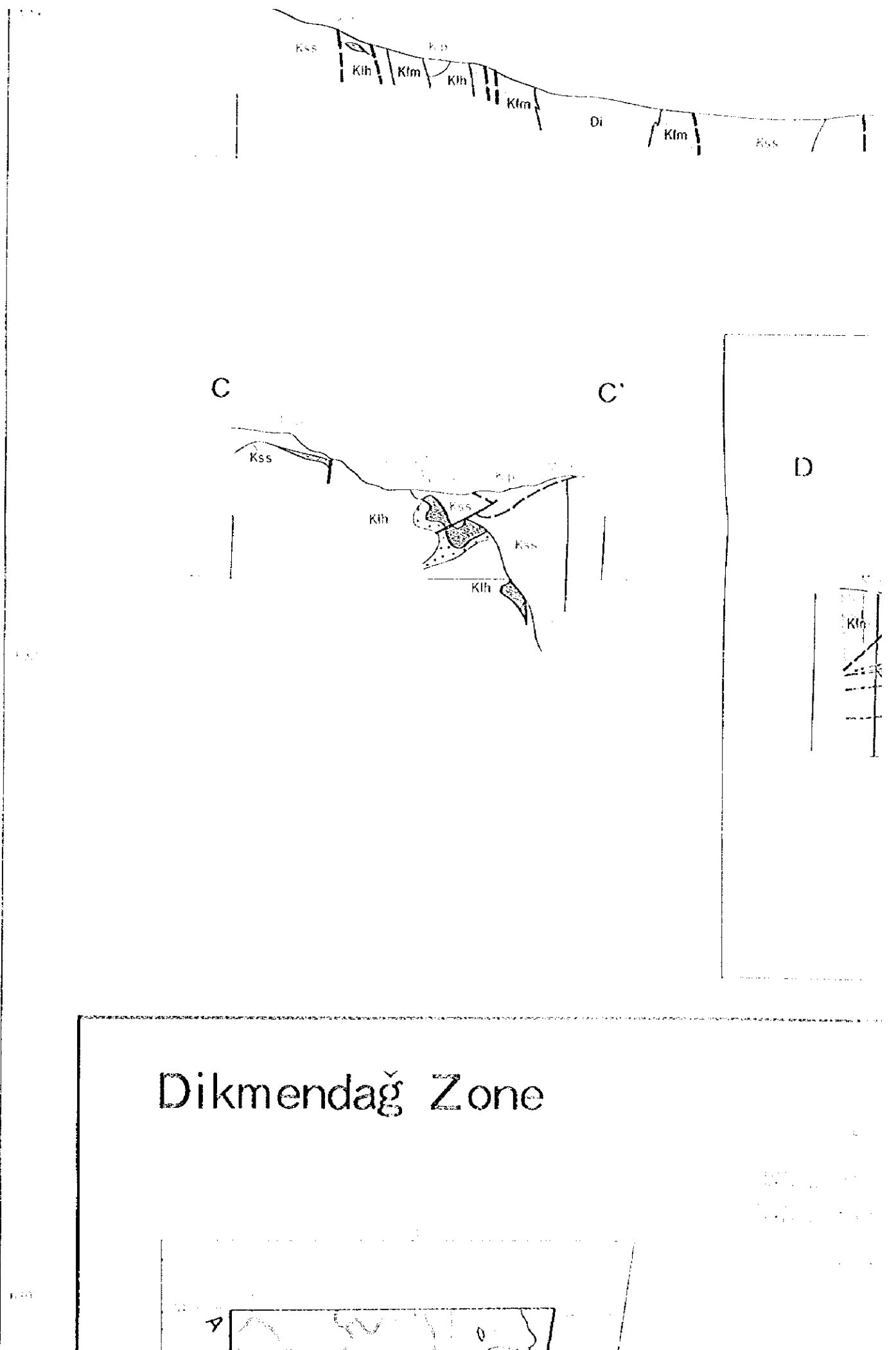
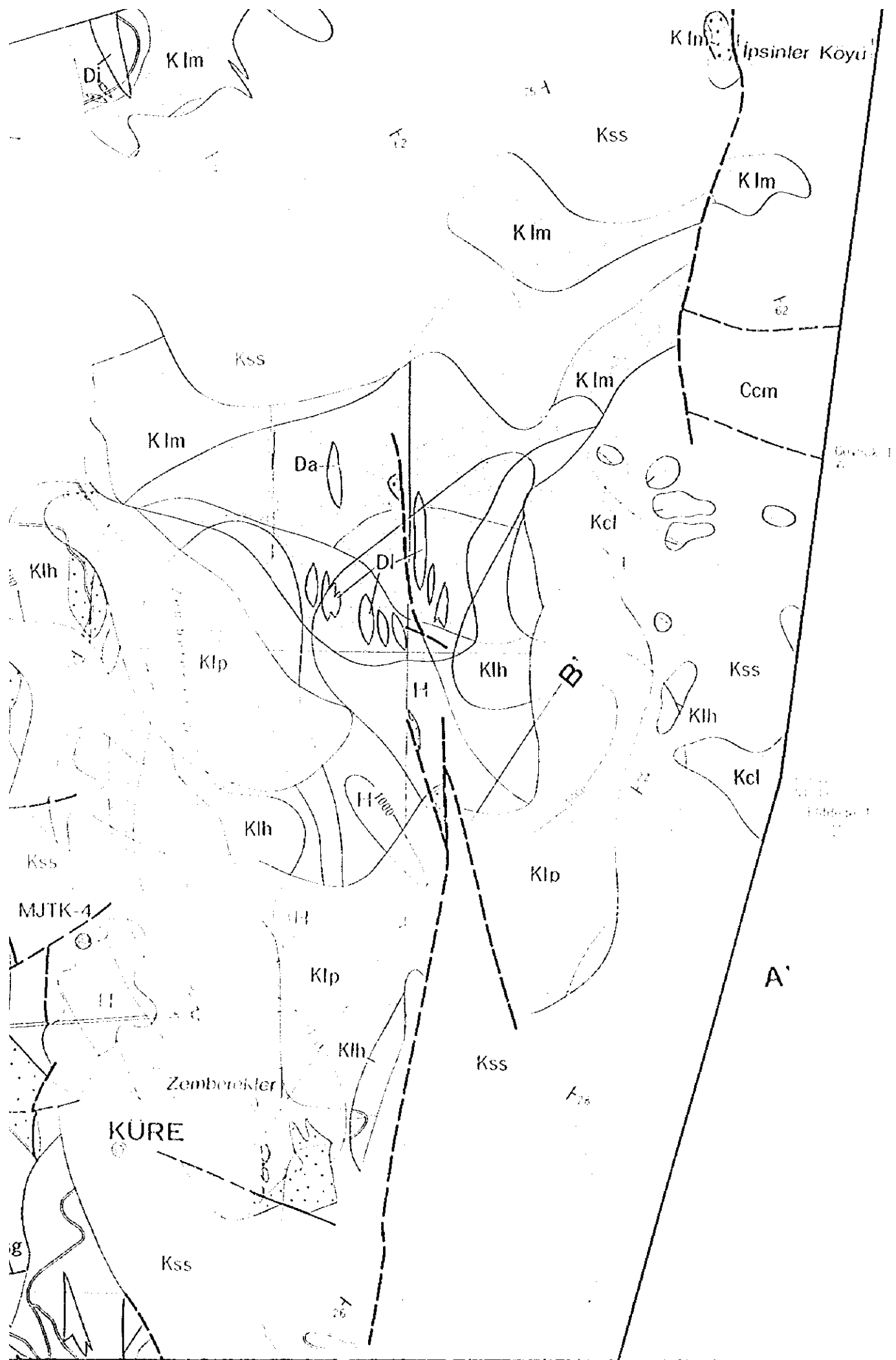
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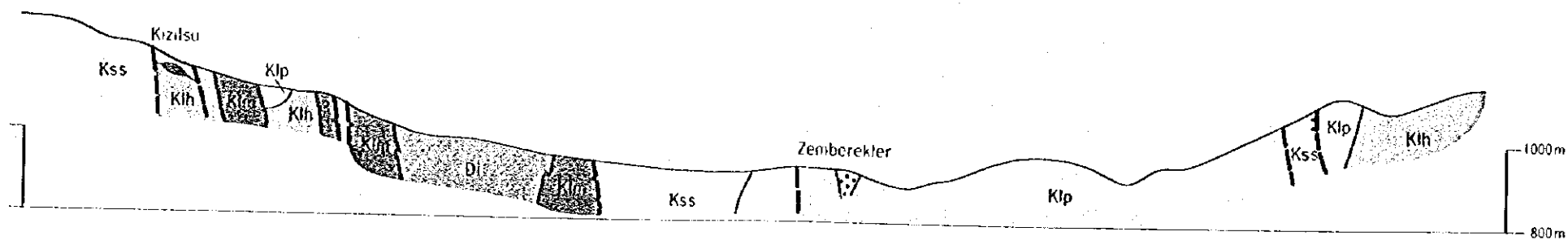
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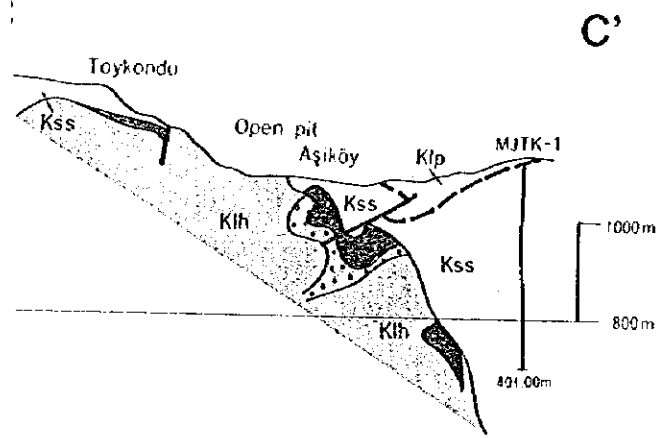


Lias

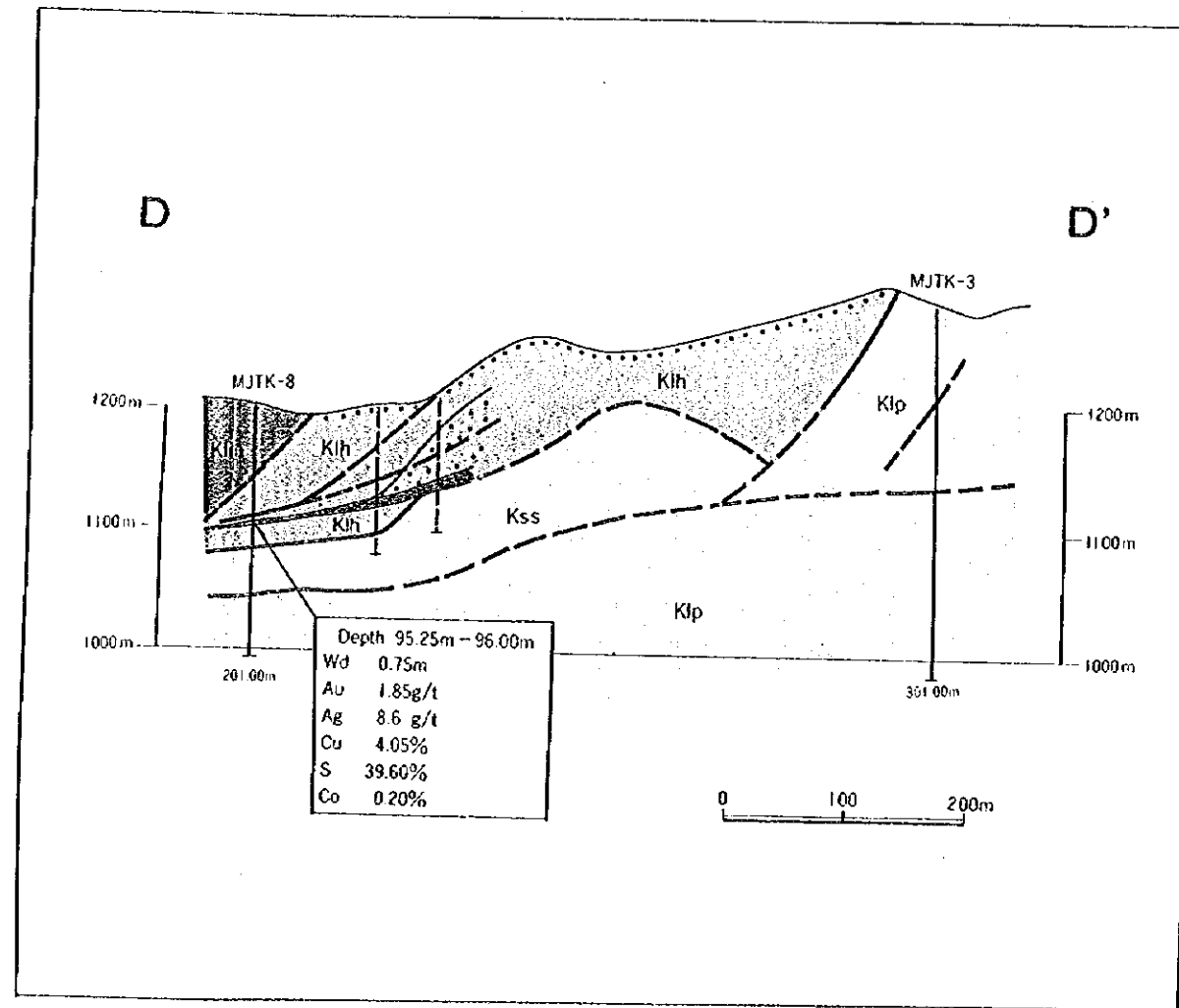
Küre F.

Intrusive Rock

- Kss Breccia (shale, sandstone)
- Klp Pillow Lava
- Kih Hyaloclastite
- Kim Massive Basalt
- Da Dacite
- Di Diorite
- Osg Ultramafic Rock
- Ore Deposit
- Gossan/Network and Disseminated Ore
- Fault
- Strike and Dip of Strata
- Slag
- Dump
- Gallery
- Contour Line Value of Resistivity (ohm-m) at -200m
- Drilling Hole
- Profile Section



C'

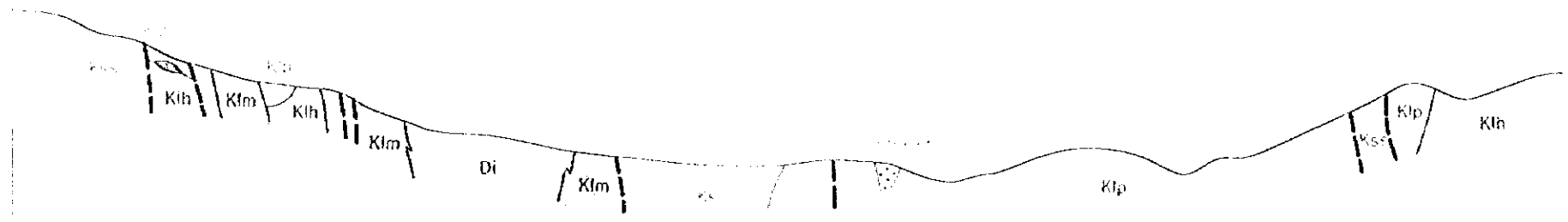


mendağ Zone

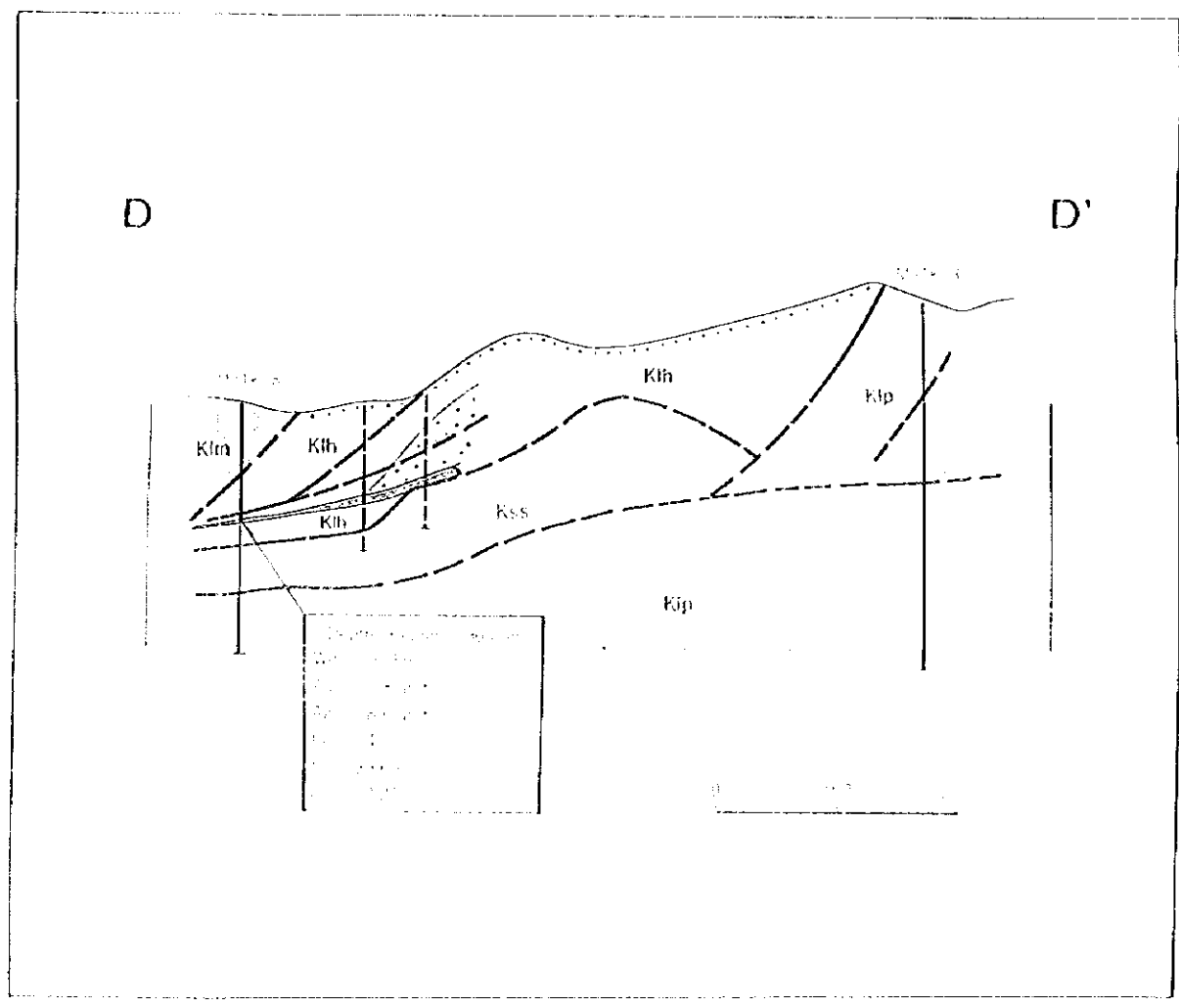
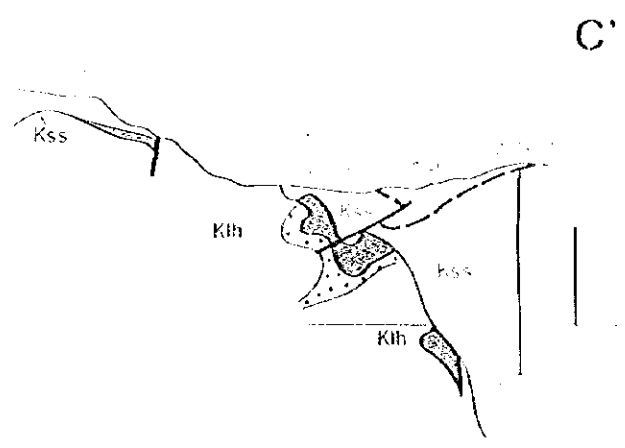
LEGEND

- Upper Cretaceous Satkoy F. Ccs Sandstone and mudstone
- Lower Cretaceous Köstekiçler F. Kcl Limestone
- Lias Küre F. Kls Breccia (shale, sandstone)
- Klb Basic rock
- Cd Dacite

Masköy Prospect



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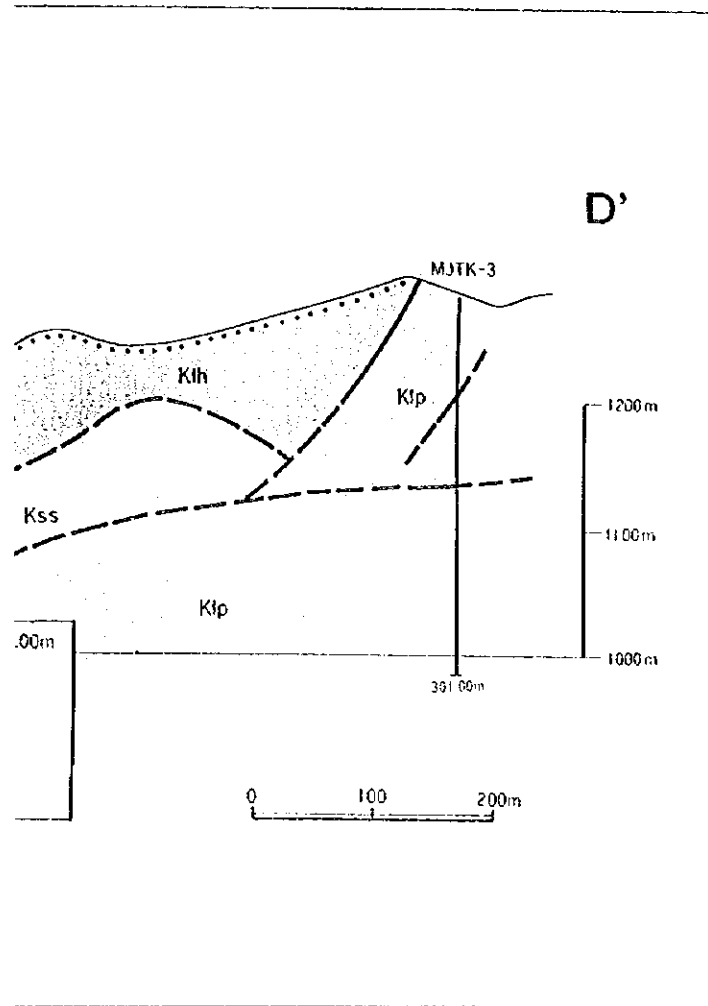
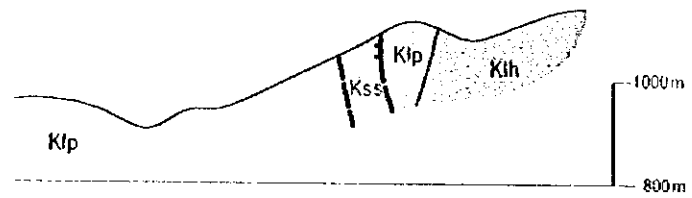


mendağ Zone

LEGEND

<p>Kfm Kih Kss Klp Di</p>	<p>Kfm Kih Kss Klp Di</p>	<p> Kfm Kih Kss Klp Di</p>	<p>Basal Kfm Kih Kss Klp Di</p>
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Masköy Prospect

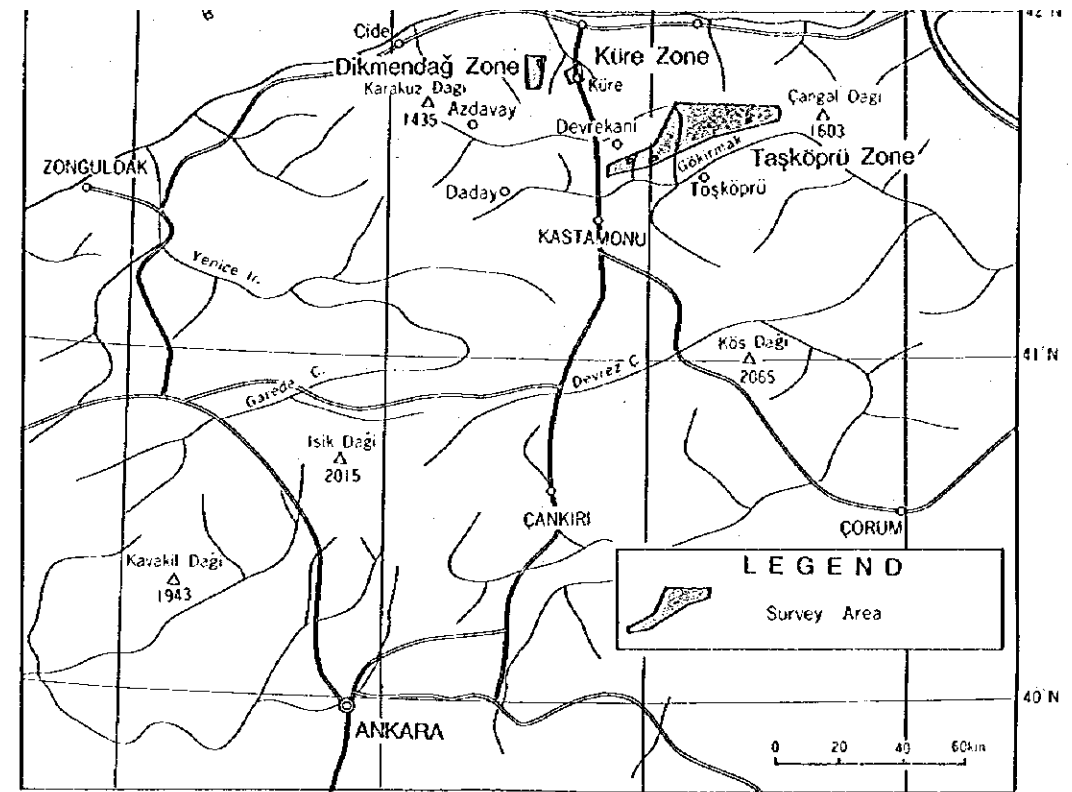


Lias

Küre F.

Intrusive Rock

- Klp Pillow Lava
- Kih Hyaloclastite
- Klm Massive Basalt
- Da Dacite
- Di Diorite
- Osg Ultramafic Rock
- Ore Deposit
- Gossan/Network and Disseminated Ore
- Fault
- Strike and Dip of Strata
- Slag
- Dump
- Gallery
- Contour Line Value of Resistivity (ohm-m) at -200m
- Drilling Hole
- Profile Section



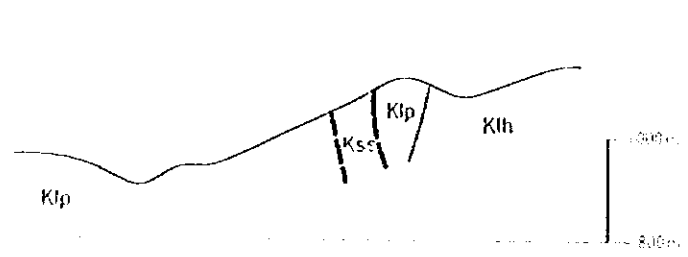
Members of the Survey Team

- Phase 1**
- [Metal Mining Agency of Japan]
 - Takafumi TSUJIMOTO (Coordinator Geophysicist)
 - Kazuko MATSUMOTO (Coordinator)
 - Nobuyuki OKAMOTO (Coordinator Geologist)
 - [Turkish Members]
 - Ahmet ÜNSAL (ETİBANK) Coordinator
 - Latif YİĞİT (ETİBANK) Geologist
 - Necmettin ÇELİK (ETİBANK) Geologist
 - Mürsel ÖZTÜRK (Küre Mine) Geologist
 - Tayfun AKKUŞ (ETİBANK) Geophysicist
 - Orhan ERSÖZ (ETİBANK) Geophysicist
 - [Japanese Members]
 - Hisashi MIZUMOTO (NED) Team leader
 - Yoneharu MATANO (NED) Geologist
 - Kengi SATO (NED) Geologist
 - Kazuyasu SUGAWARA (NED) Geologist
 - Masao YOSHIZAWA (NED) Geophysicist
 - Ikuo TAKAHASHI (NED) Geophysicist
 - Shinichi SUGIYAMA (NED) Geophysicist

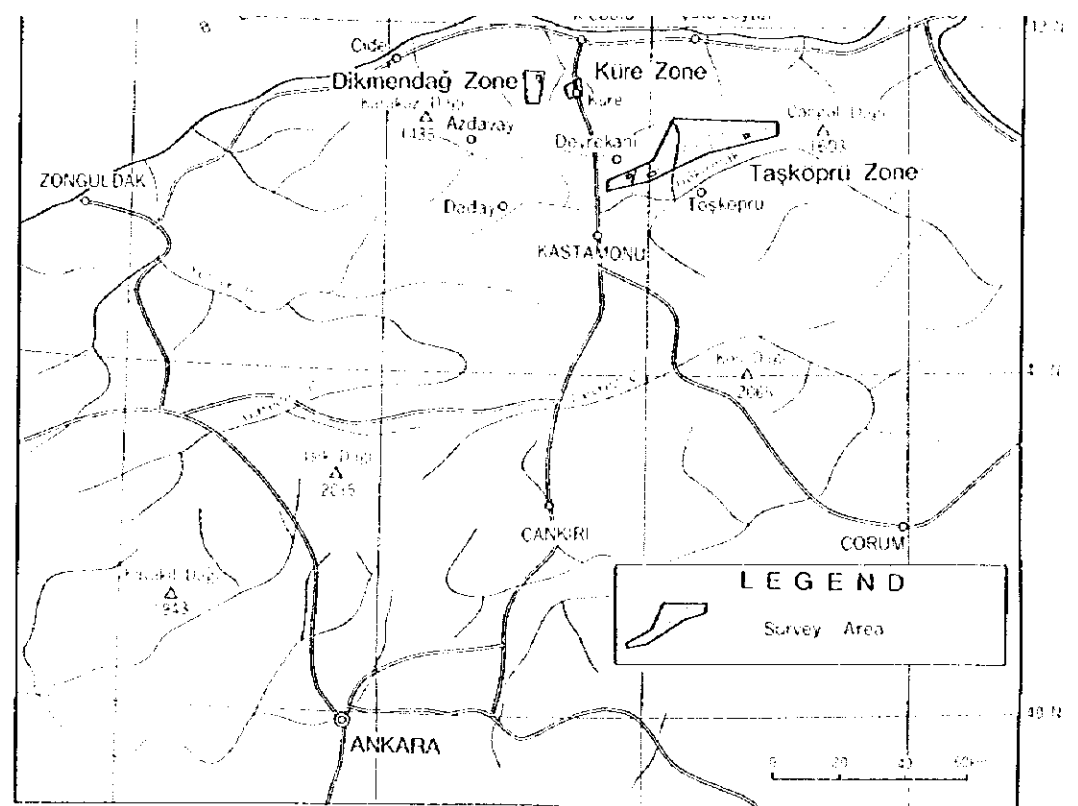
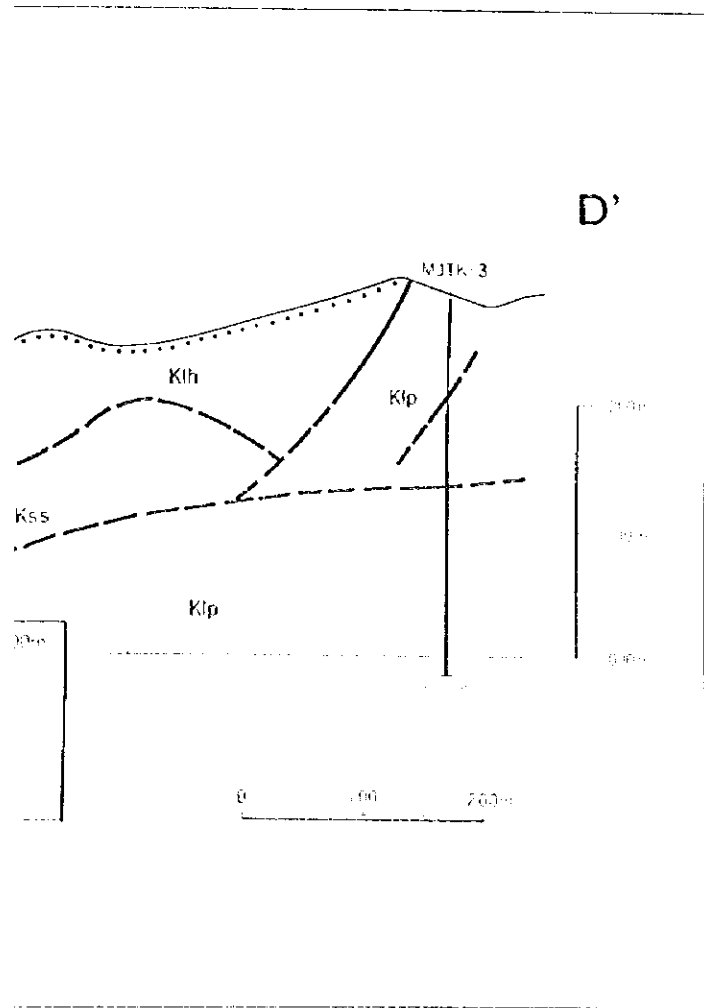
- Phase 2**
- [Metal Mining Agency of Japan]
 - Atsuhiko MINOWA (Coordinator Geologist)
 - Nobuyuki OKAMOTO (Coordinator Geologist)
 - [Turkish Members]
 - Ahmet ÜNSAL (ETİBANK) Coordinator
 - Necmettin ÇELİK (ETİBANK) Coordinator
 - Sadık KELEŞOĞLU (ETİBANK) Drilling Engineer
 - Cemalettin SOLAK (ETİBANK) Ass. Manager
 - Ahmet TÜNCER (ETİBANK) Chief Driller
 - Tayfun AKKUŞ (ETİBANK) Geophysicist
 - Orhan ERSÖZ (ETİBANK) Geophysicist
 - [Japanese Members]
 - Yoneharu MATANO (NED) Team leader

- Sandstone and mudstone
- Limestone
- Breccia (shale, sandstone)
- Basic rock
- Dacite
- Diorite

Masköy Prospect



- U-V
- Küre E.
- Klp Pillow Lava
 - Klh Hyaloklastite
 - Klm Massive Basalt
- Intrusive Rock
- Da Diante
 - Di Diante
 - Osg Ultramafic Rock
- Ore Deposit
 - Gossan/Network and Disseminated Ore
 - Fault
 - Strike and Dip of Strata
 - Strat
 - Dump
 - Gallery
 - Contour Line Value of Resistivity (ohm-m at 250m)
 - Drilling Hole
 - Profile Section



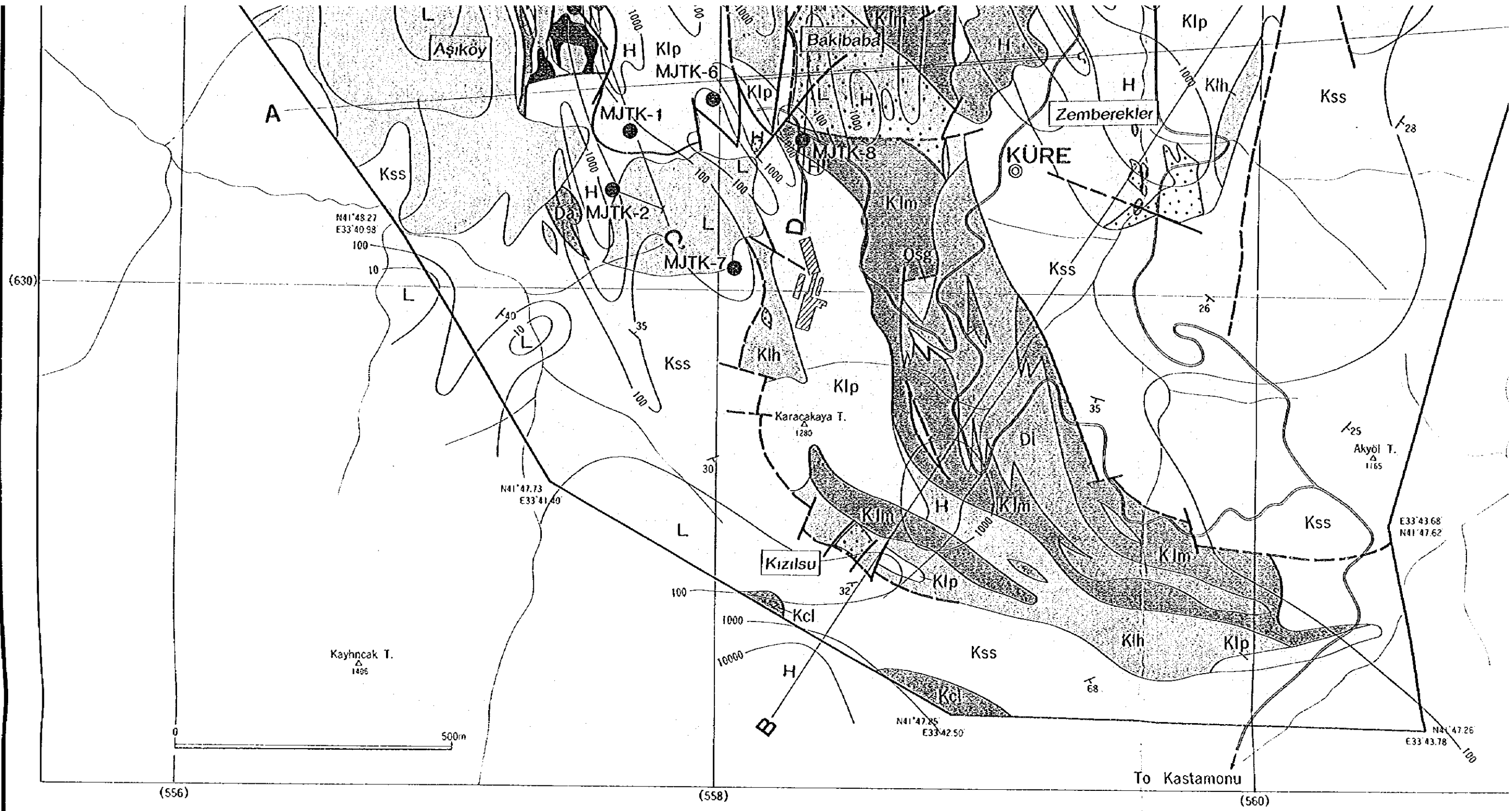
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 - Shinichi SUGIYAMA (NED) Geophysicist

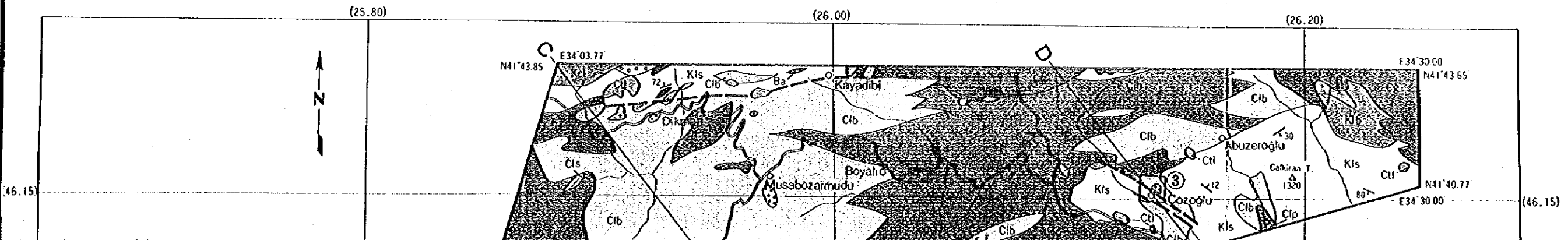
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 - Orhan ERİSOZ (ETİBANK) Geophysicist
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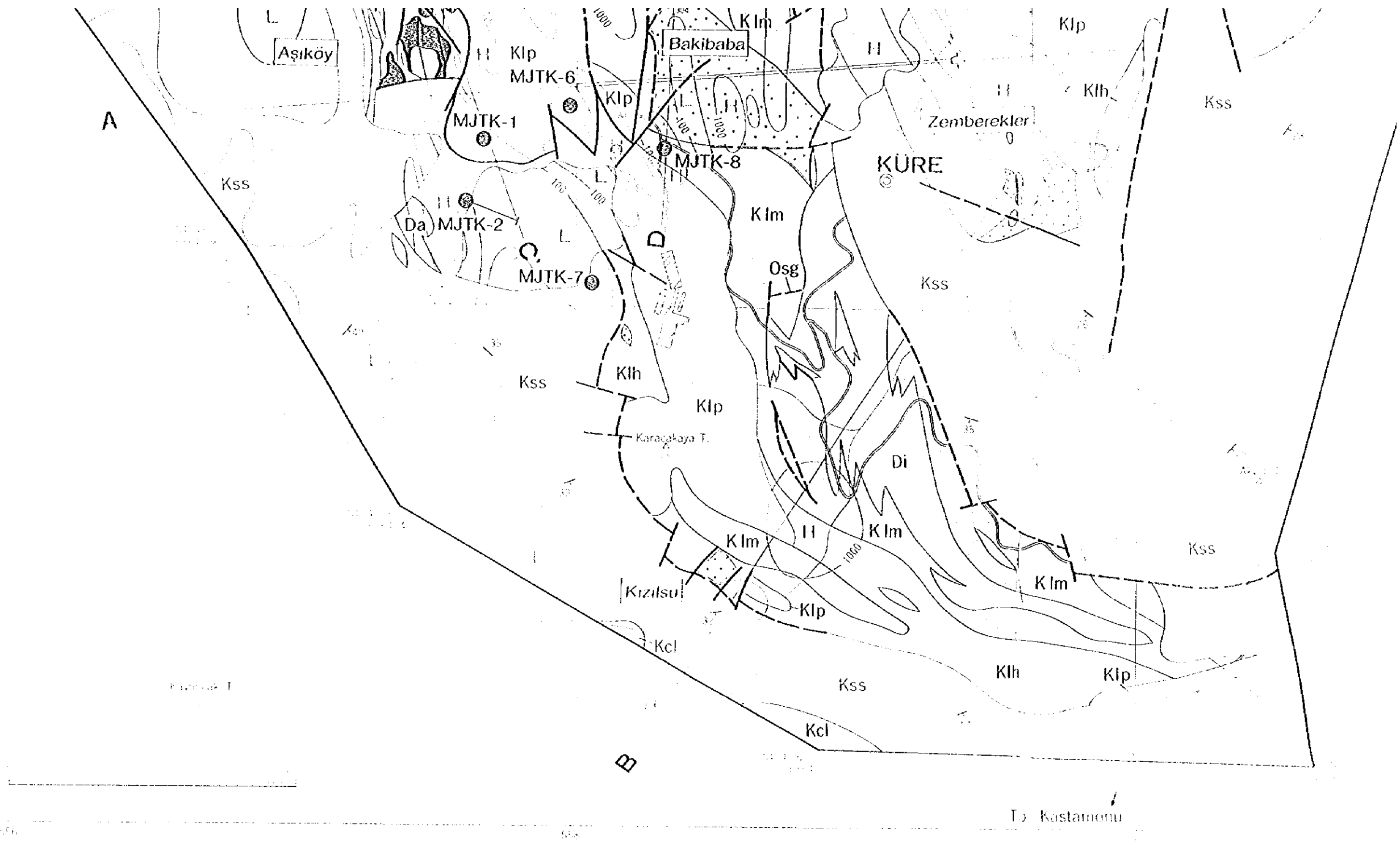
Masköy Prospect

Geological map of the Masköy Prospect
 Scale: 1:50,000
 Date: 1998
 Author: [Name obscured]



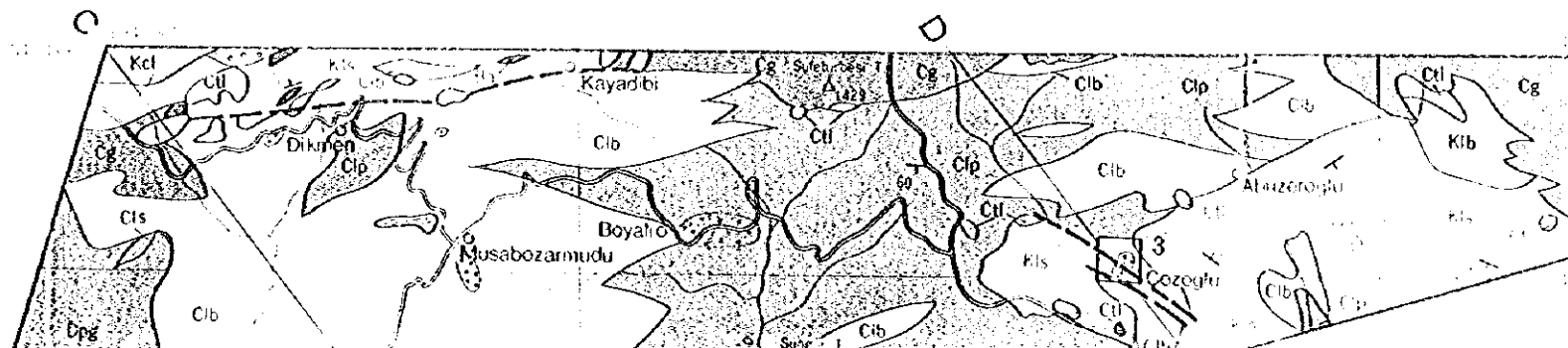
Taşköprü Zone

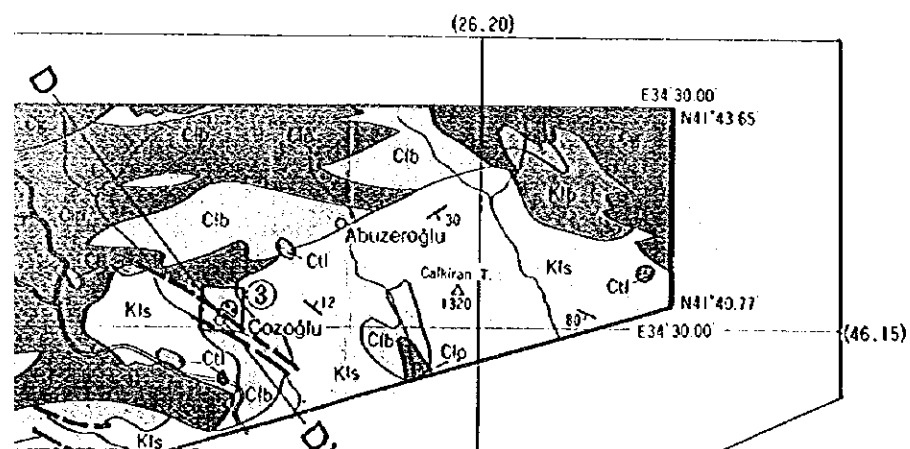
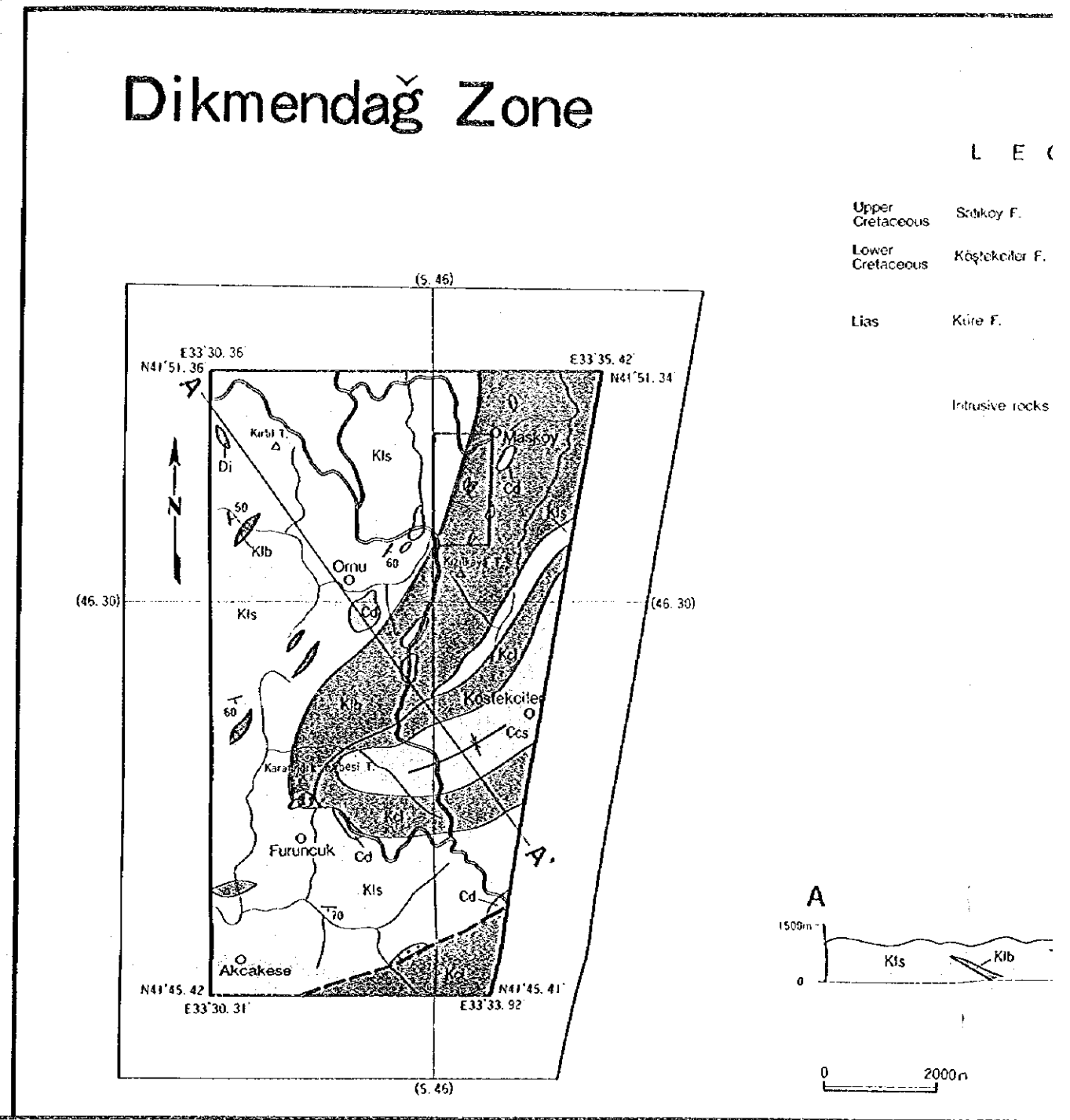
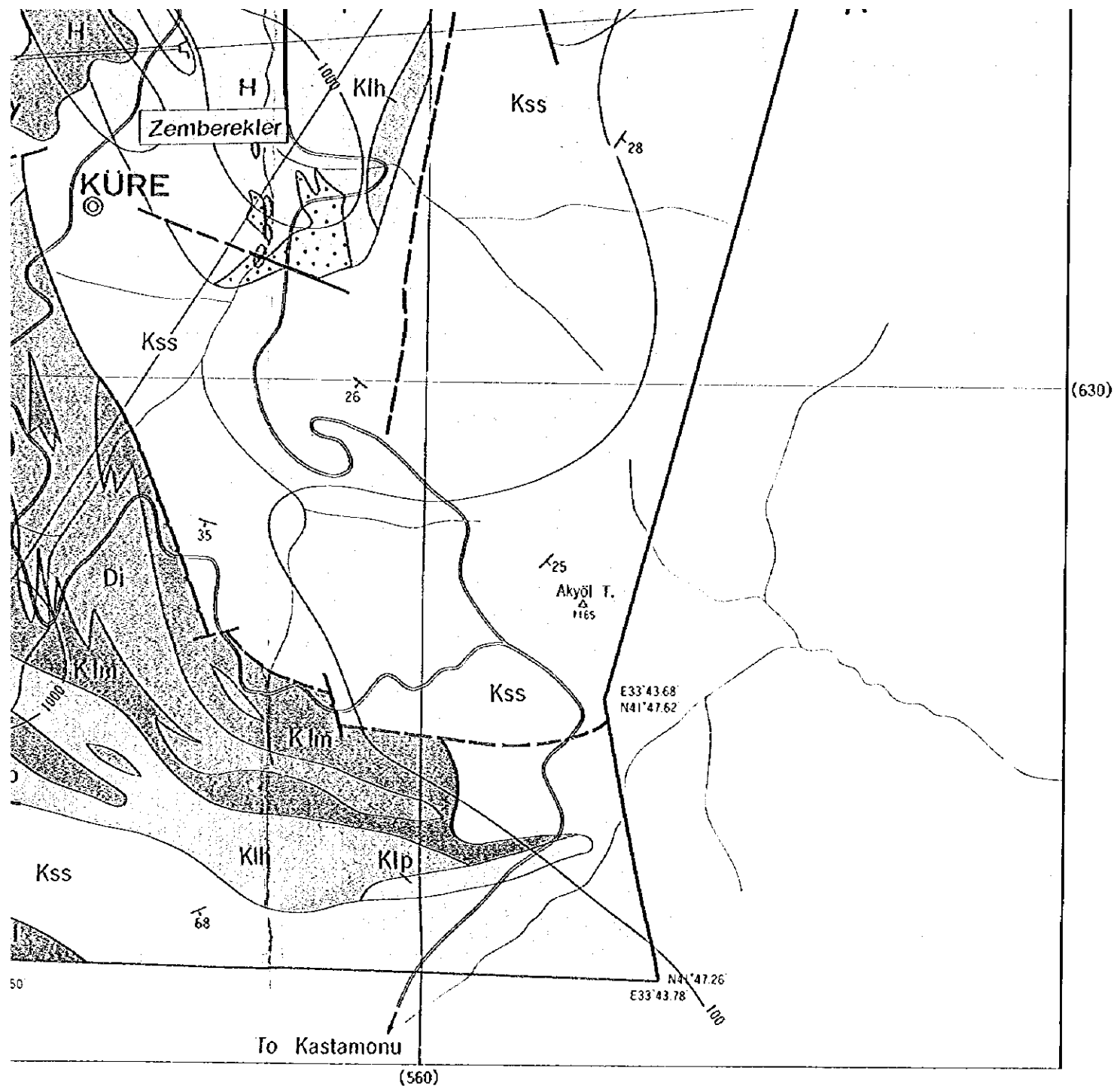




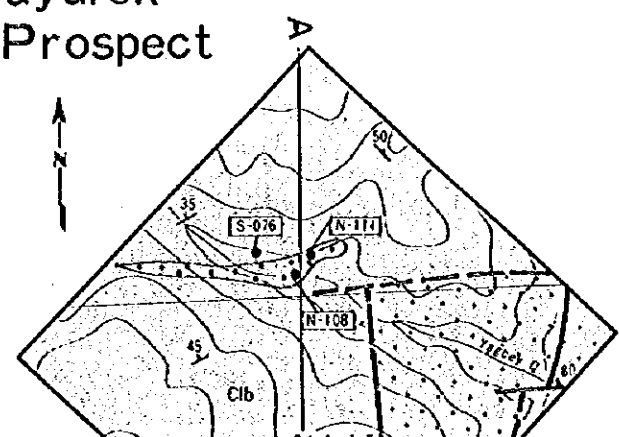
→ Kastamonu

Taşköprü Zone

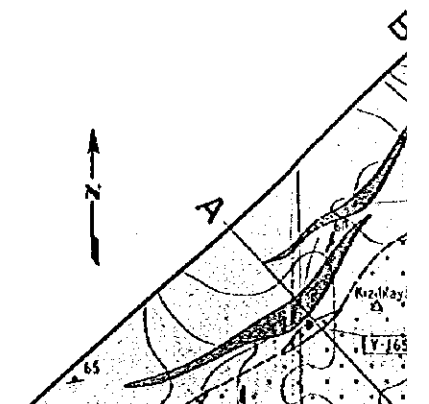


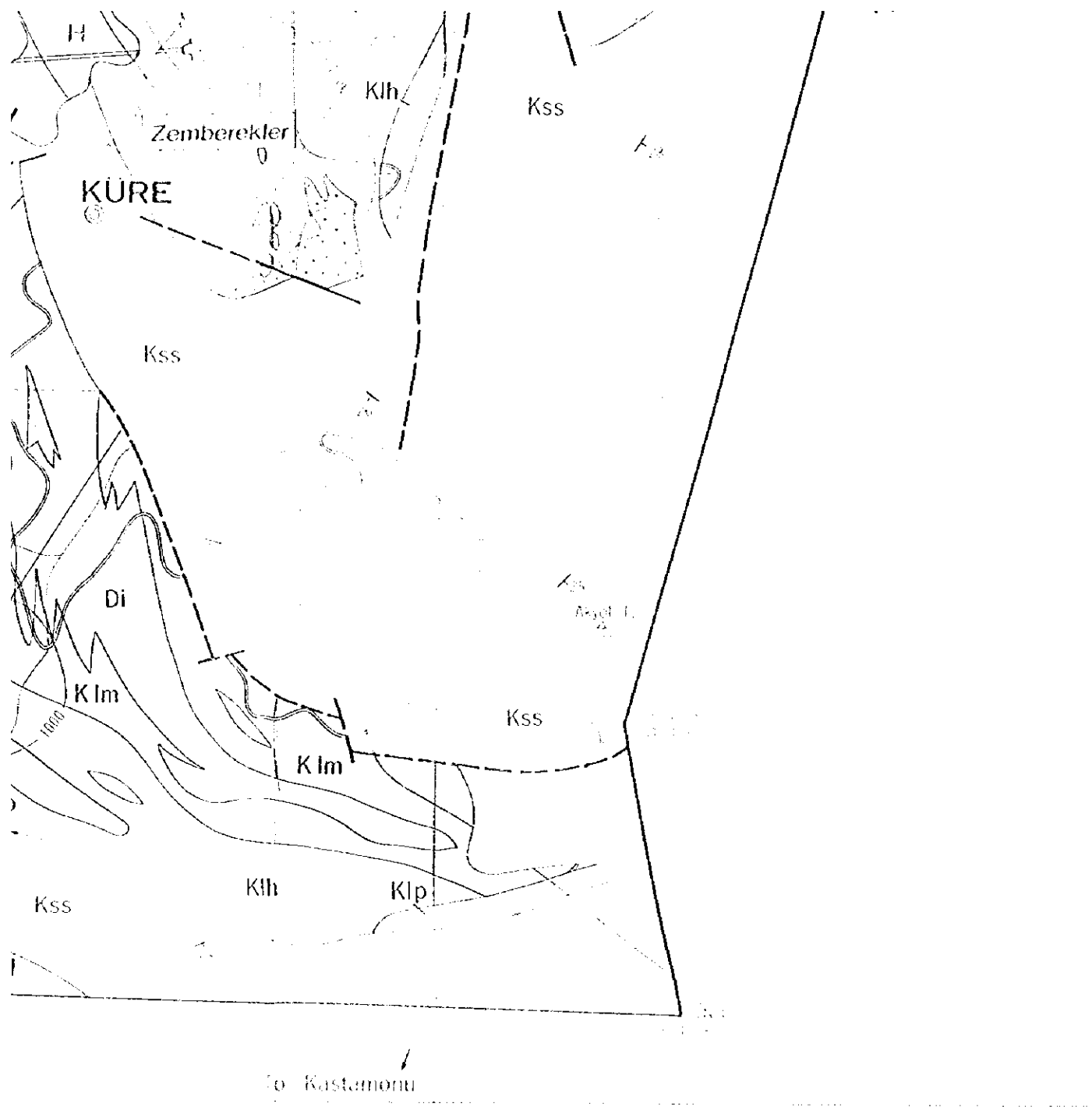


① Alayürek Prospect

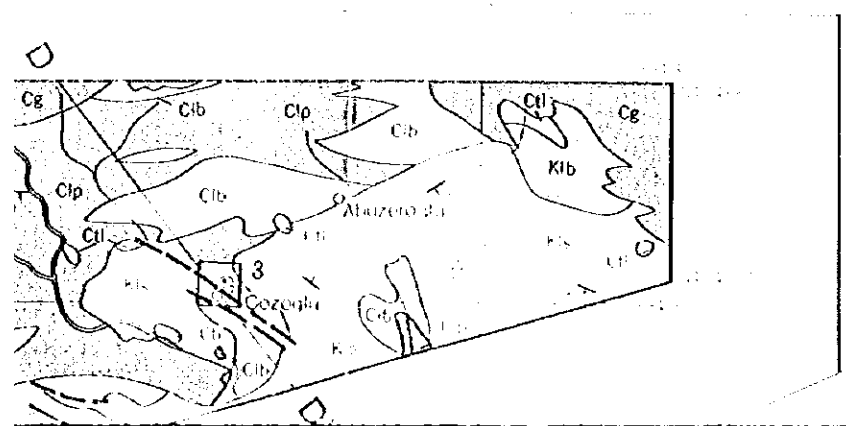
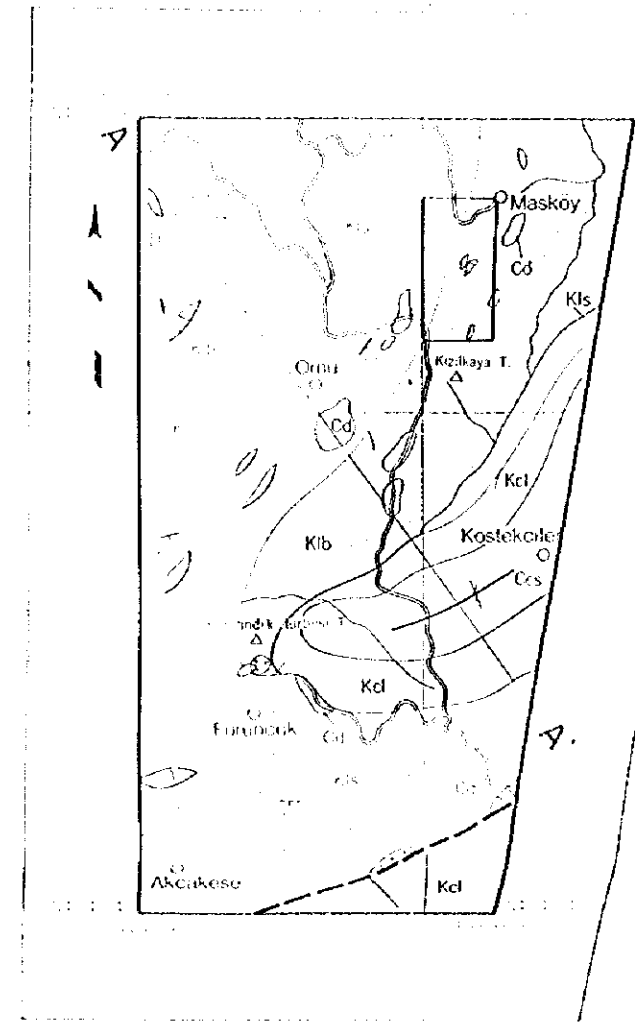


② Cünür Prospect

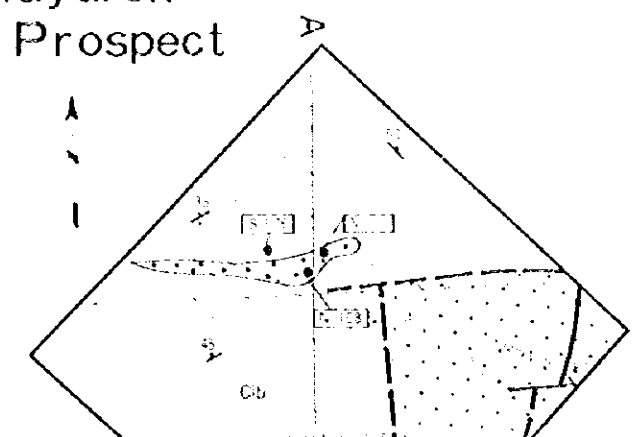




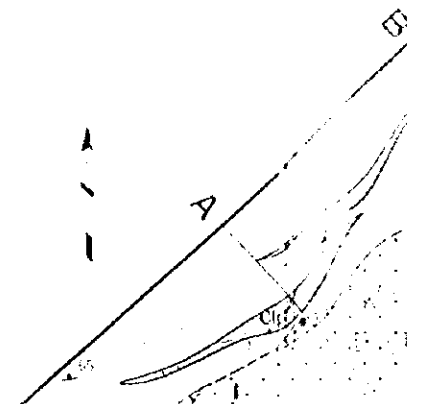
Dikmendağ Zone



① Alayürek Prospect



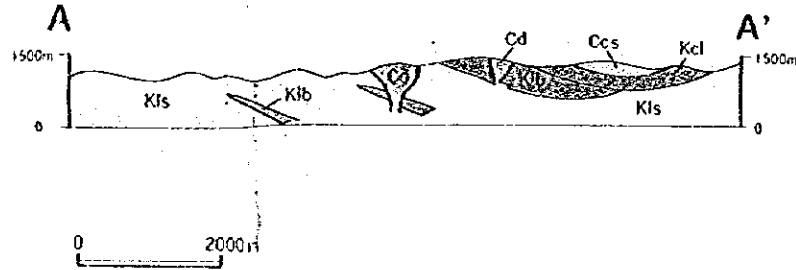
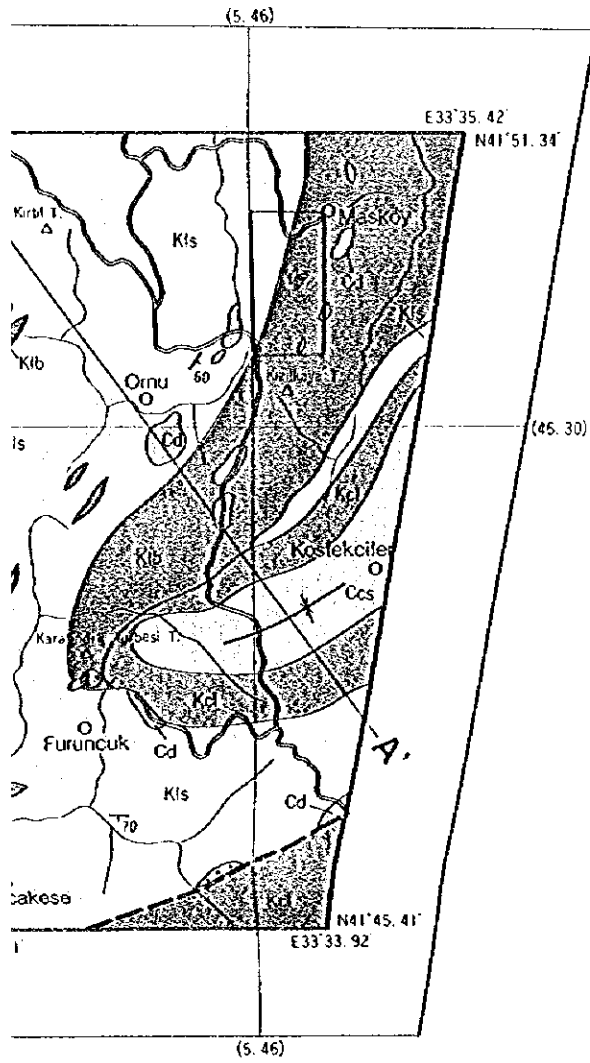
② Cünür Prospect



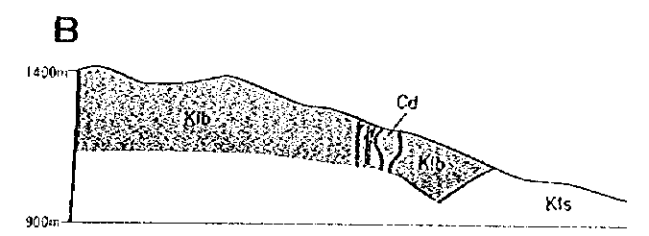
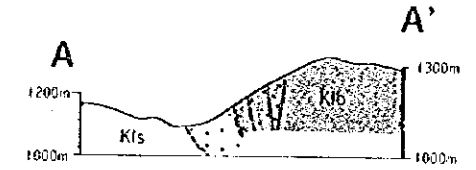
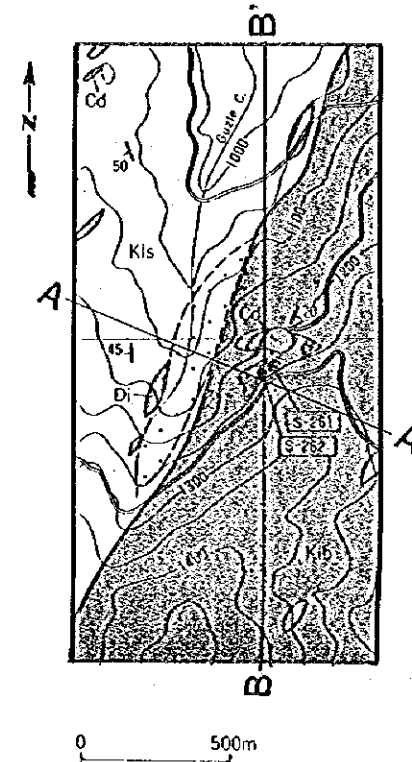
rendağ Zone

LEGEND

- | | | | |
|------------------|----------------|--------------------|----------------------------|
| Upper Cretaceous | Satköy F. | Ccs | Sandstone and mudstone |
| Lower Cretaceous | Köstekçiler F. | Kcl | Limestone |
| Lias | Küre F. | Kls | Breccia (shale, sandstone) |
| | | Klb | Basic rock |
| Intrusive rocks | | Cd | Dacite |
| | | Di | Diorite |
| | | (Dotted pattern) | Mineralized Zone |
| | | (Wavy pattern) | Silicified Zone |
| | | (Dashed line) | Probable fault |
| | | (Line with 'S') | Syncline axis |
| | | (Line with '20°') | Strike and dip |
| | | (Line with 'A-A'') | Profile section |

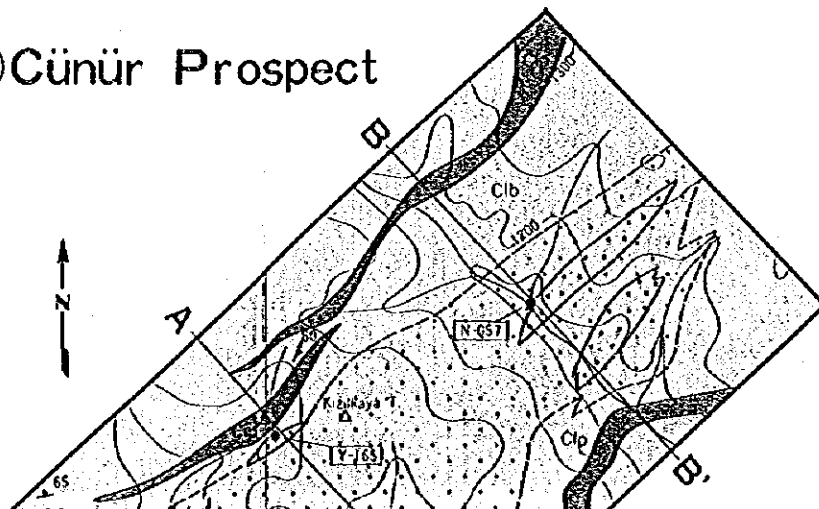
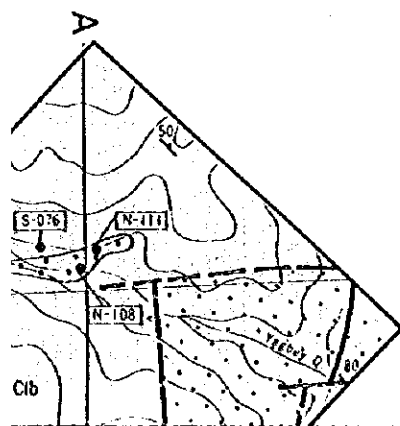


Masköy Prospect

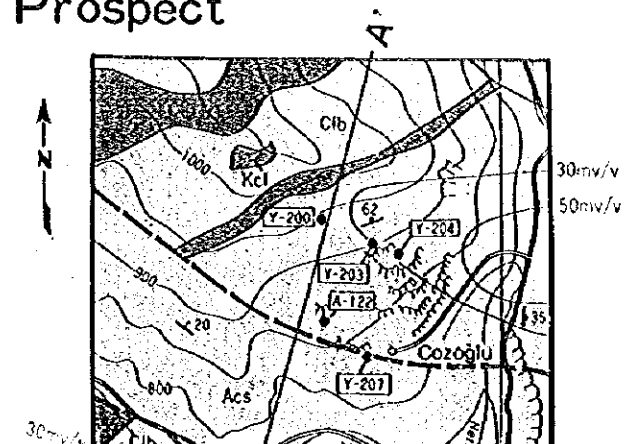


Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)
S-261	Argillized Rock	<0.1	<5	<0.01	<0.01	0.01
S-262	Silicified Rock	<0.1	<5	<0.01	0.01	0.01

② Cünür Prospect



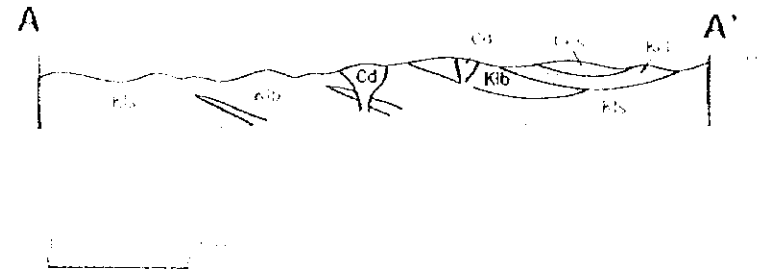
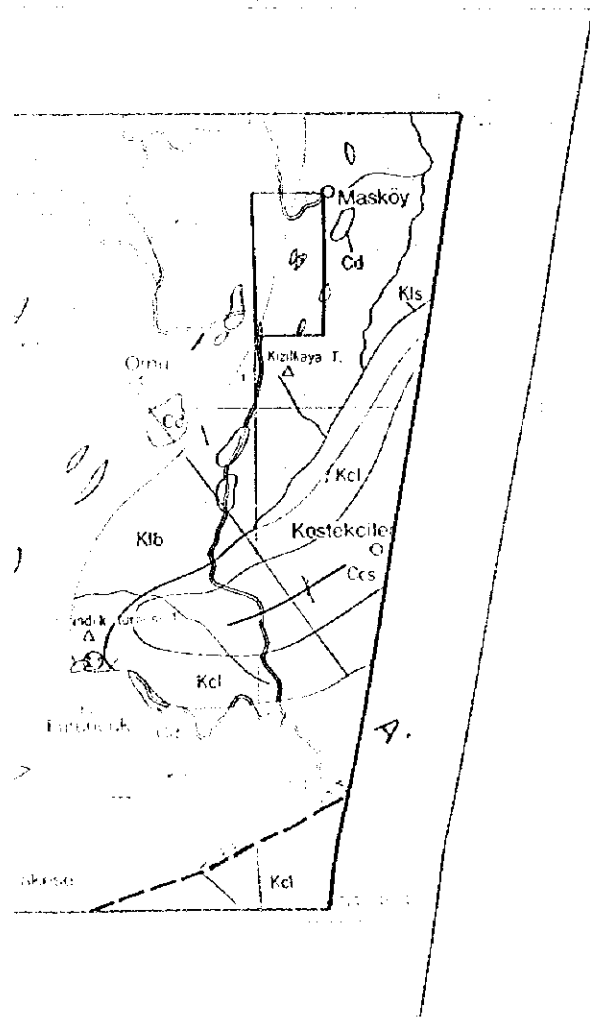
③ Cozoğlu Prospect



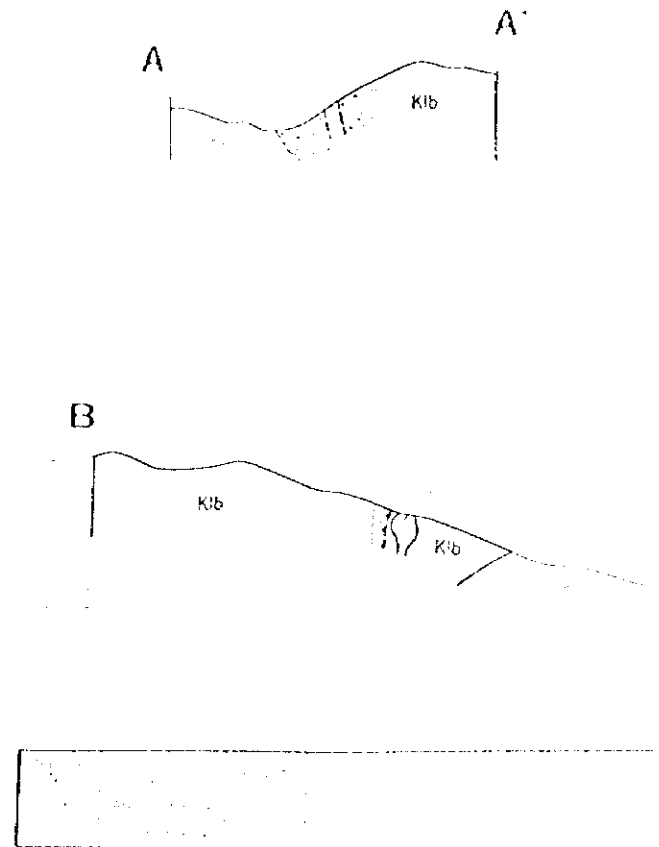
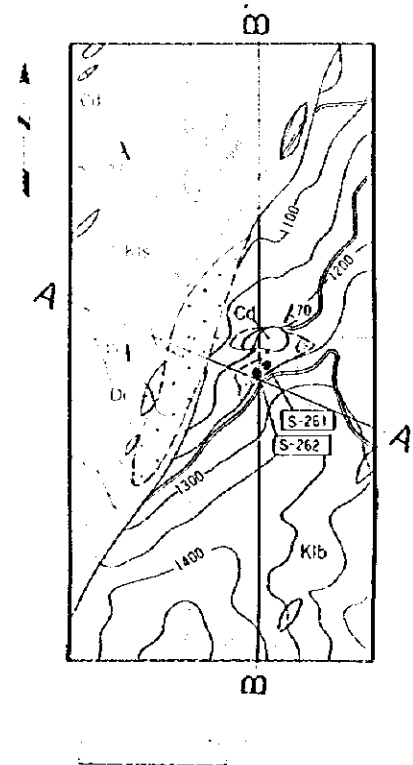
İrendağ Zone

LEGEND

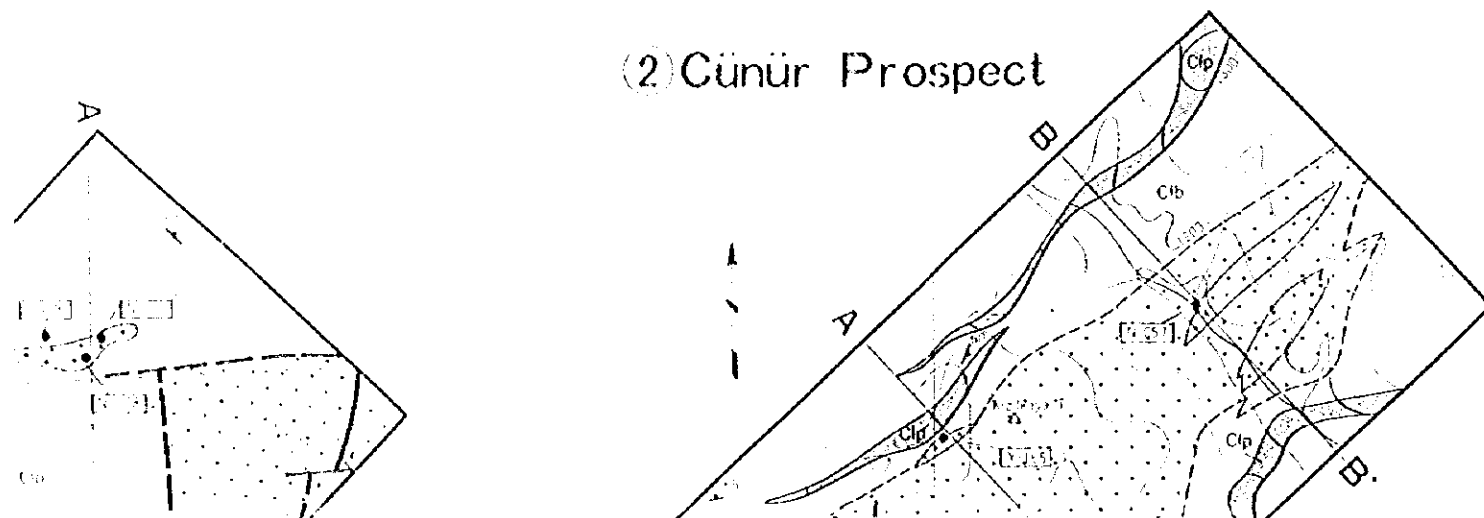
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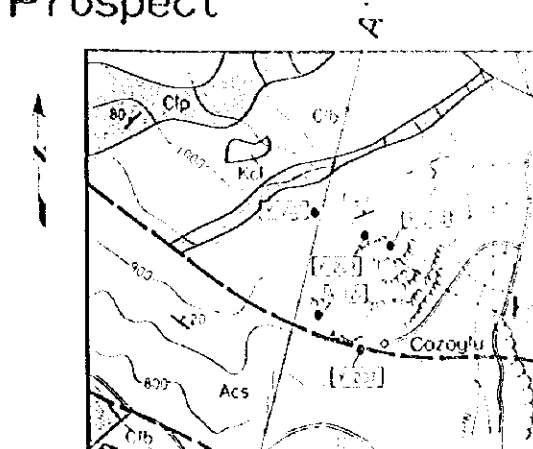
Masköy Prospect



② Cünür Prospect

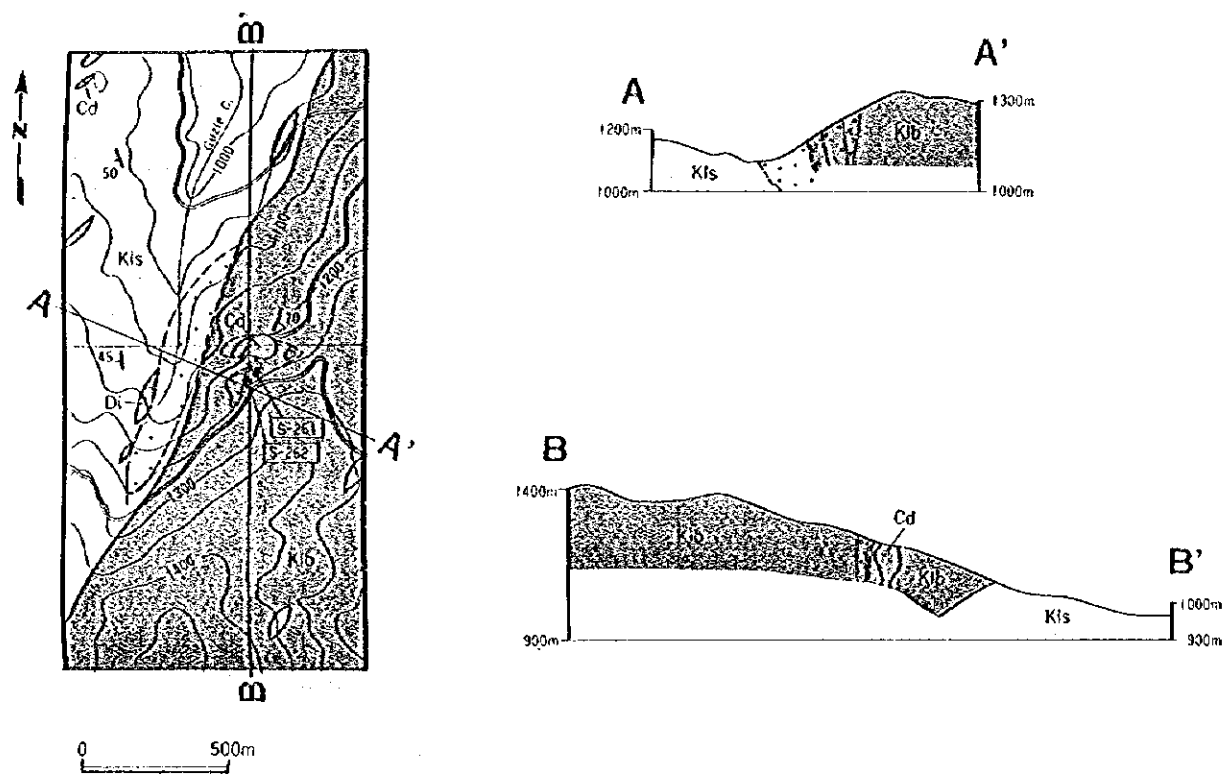


③ Cozoğlu Prospect



lone and mudstone
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 a (shale, sandstone)
 rock
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 alized Zone
 od Zone
 le fault
 ne axis
 and dip
 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	4.66

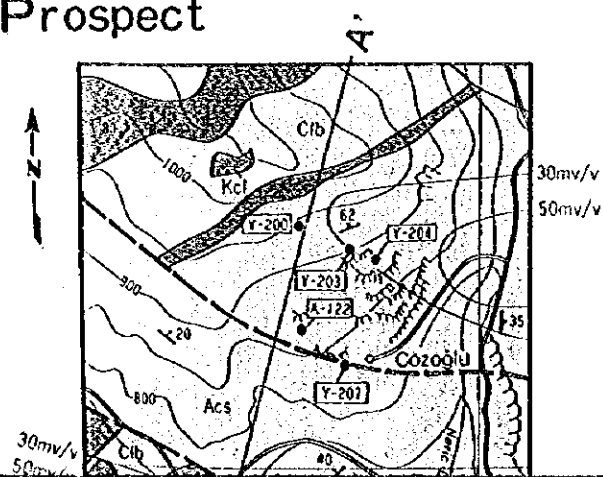
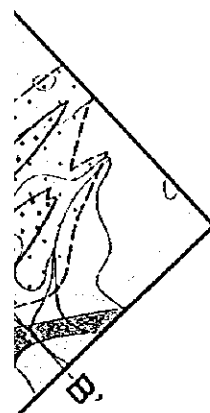
Masao YOSHIZAWA (NED) Geophysicist
 Ikuo TAKAHASHI (NED) Geophysicist
 Shinichi SUGIYAMA (NED) Geophysicist

Phase 2 [Metal Mining Agency of Japan]
 Atsuhiko MINOWA (Coordinator Geologist)
 Nobuyuki OKAMOTO (Coordinator Geologist)
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 Soji KANNARI (NED) Drilling Engineer
 Mitsuo NOMURA (NED) Drilling Engineer
 Koichi TAMURA (NED) Drilling Engineer
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 Takahisa YAMAMOTO (Coordinator Geologist)
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 Hiromasa INABE (NED) Drilling Engineer

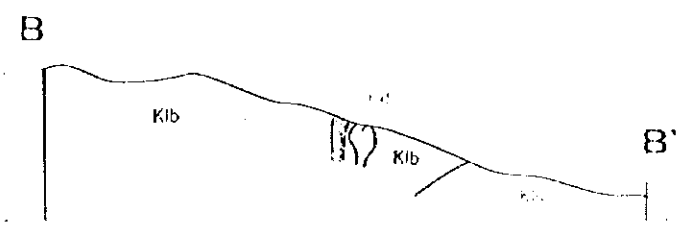
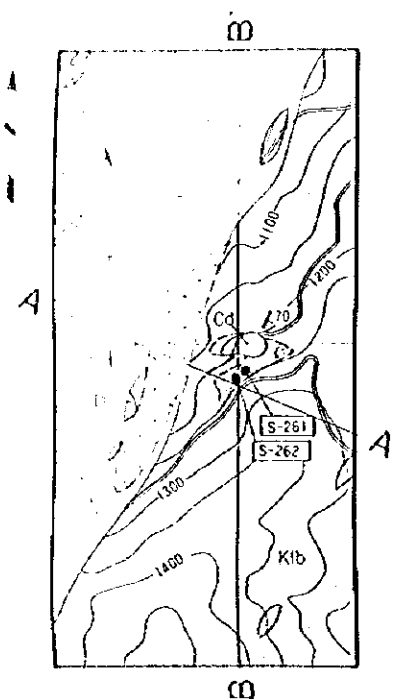
LEGEND

③ Cozoğlu Prospect



Tertiary	Çayköy F.	Cfl Limestone
		Cta Andesite
		Cts Sandstone
Upper Cretaceous	Ataçam F.	Acs Sandstone, mudstone, marl
Lower Cretaceous	Kızacık F.	Kcl Limestone
Malm	Muzrup F.	Mmc Conglomerate
Lias	Kayadibi F.	Kls Sandstone, shale
		Kib Basic rock
		Ctp Pelitic schist

Masköy Prospect



Geological map of Masköy Prospect. Scale: 1:50,000. Contour interval: 100m. Elevation in meters.

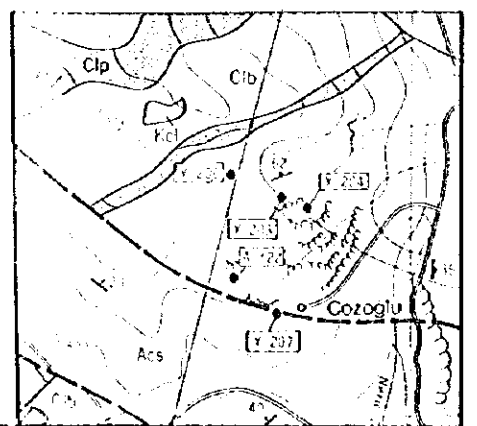
Masköy PROSPECT NEP Geology
 1. TARKANCI NEP Geology
 2. SÜREYYA NEP Geology

- Phase 2**
- [Metal Mining Agency of Japan]
 - MASKÖY NEP Geology
 - TARKANCI NEP Geology
 - SÜREYYA NEP Geology
 - [Turkish Mentors]
 - AKIN ÖZALP NEP Geology
 - YERLİM ÖZALP NEP Geology
 - SERAP ÖZALP NEP Geology
 - ÖZALP ÖZALP NEP Geology
 - ÖZALP ÖZALP NEP Geology
 - [Japanese Mentors]
 - YASUHITO NEP Geology
 - YASUHITO NEP Geology
 - YASUHITO NEP Geology
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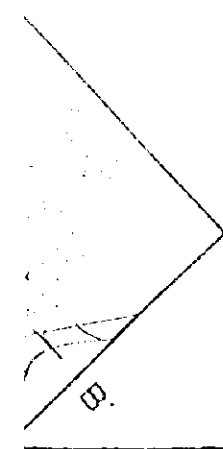
- Phase 3**
- [Metal Mining Agency of Japan]
 - YASUHITO NEP Geology
 - YASUHITO NEP Geology
 - [Turkish Mentors]
 - YASUHITO NEP Geology
 - YASUHITO NEP Geology
 - [Japanese Mentors]
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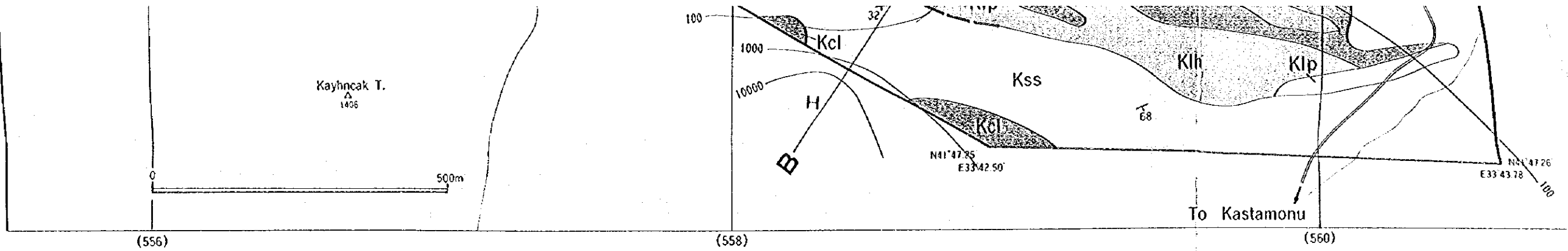
LEGEND

③ Cozoğlu Prospect

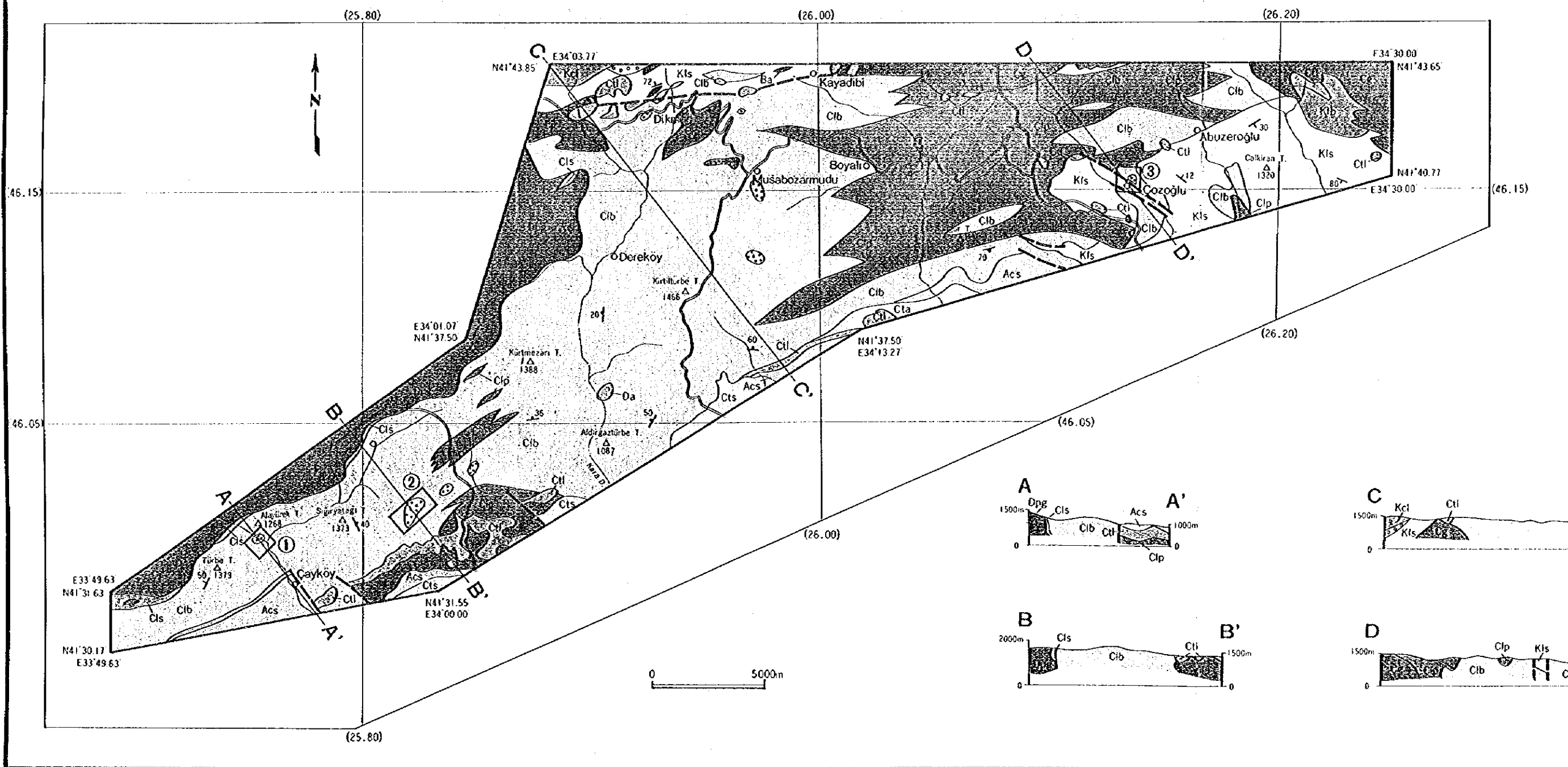


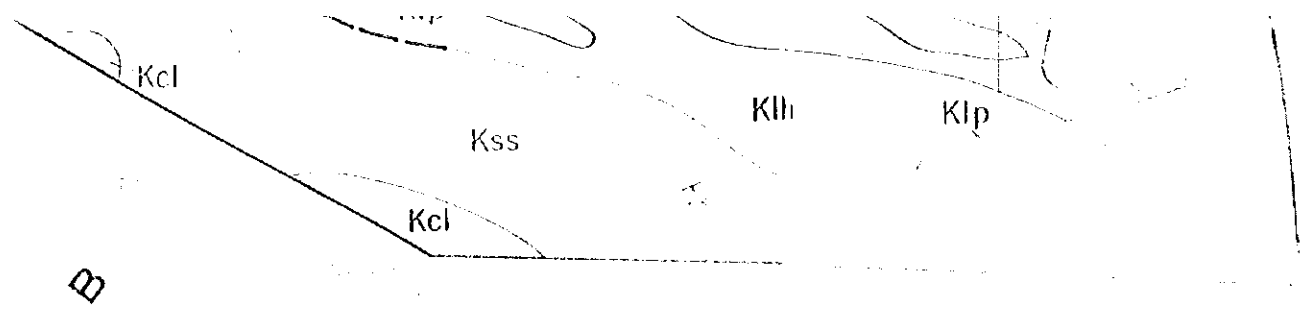
- | | | |
|---------|----------|-------------------------|
| Topsoil | Clay | Gr. Limestone |
| Clay | Aluminum | Gr. Marble |
| Lower | Reddish | Gr. Sandstone |
| Upper | White | Al. Sandstone (M. zone) |
| Mud | White | Gr. Limestone |
| Clay | White | M. Sandstone |
| | | Gr. Sandstone |
| | | Gr. Sandstone |
| | | Gr. Sandstone |



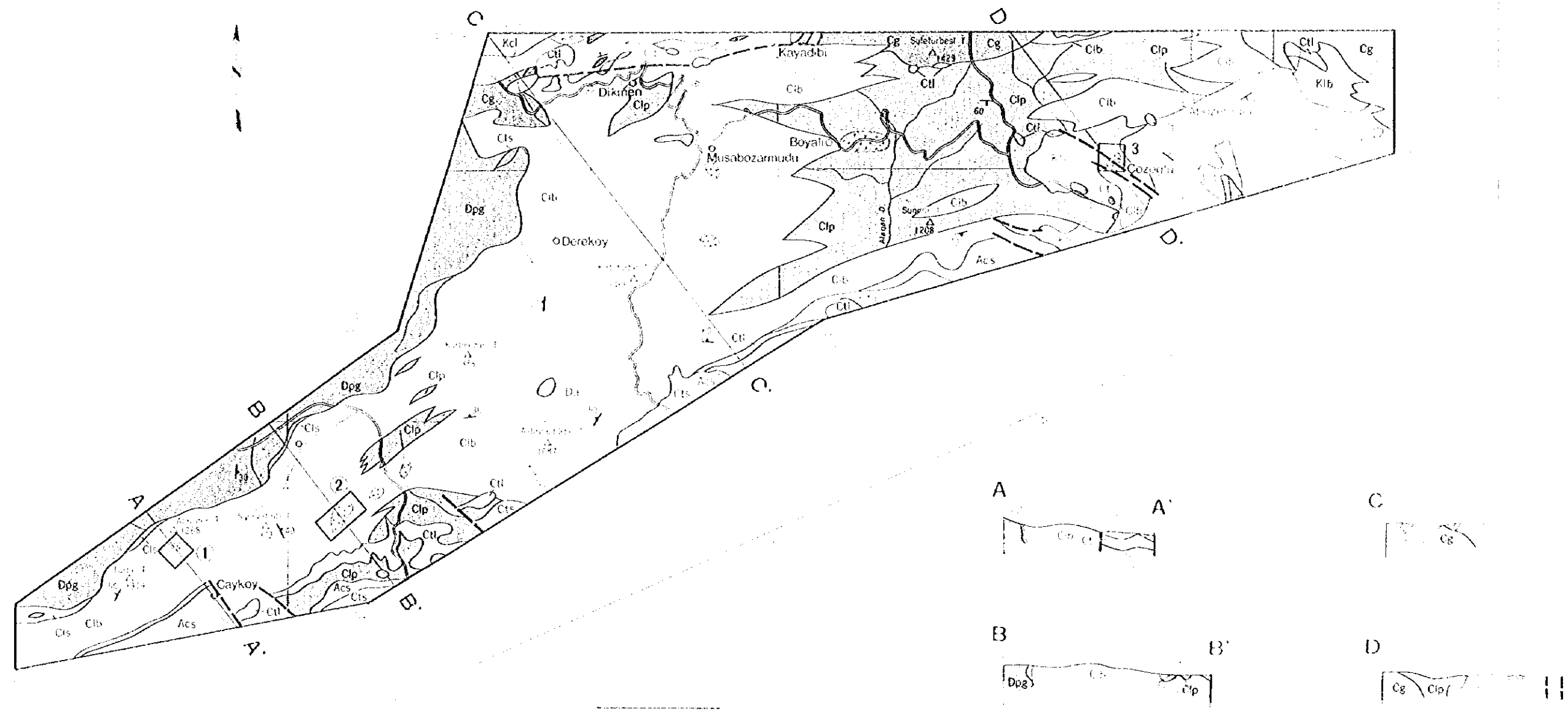


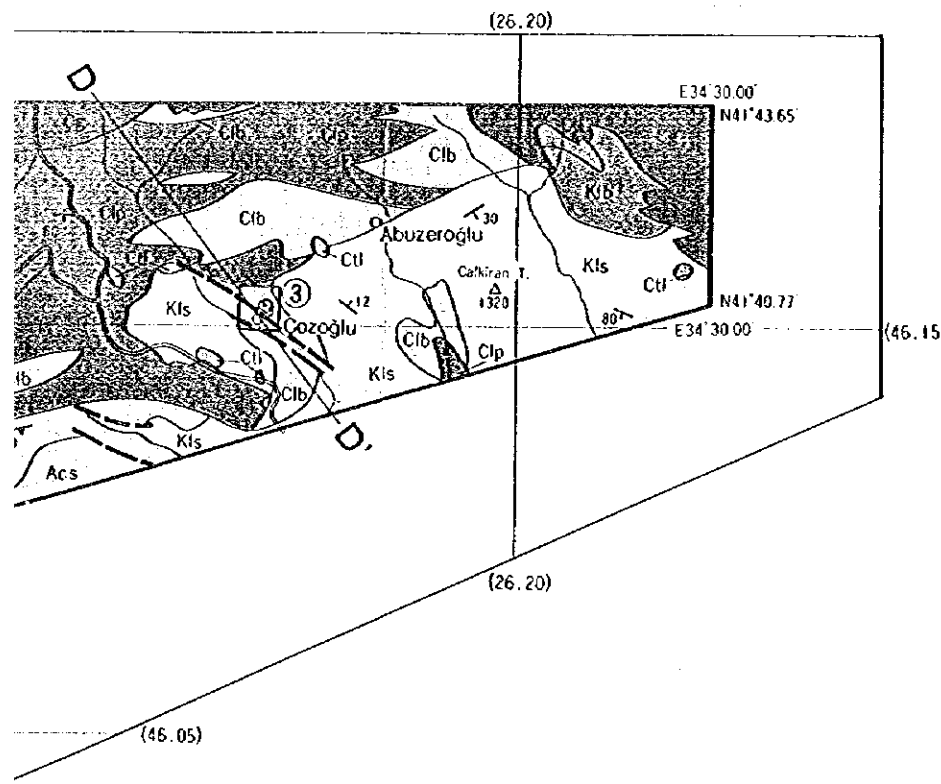
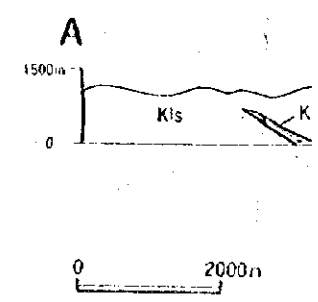
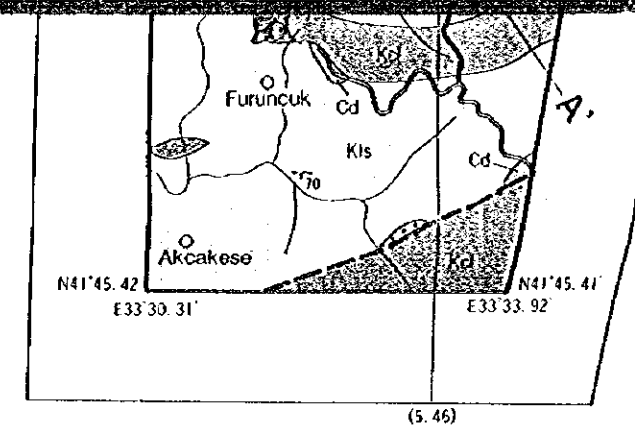
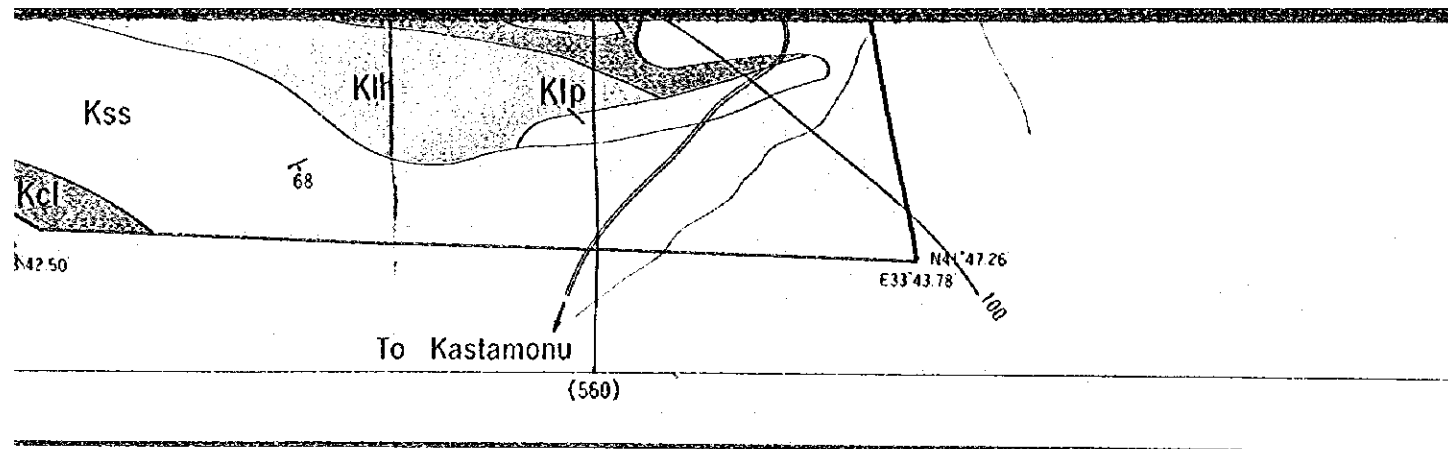
Taşköprü Zone



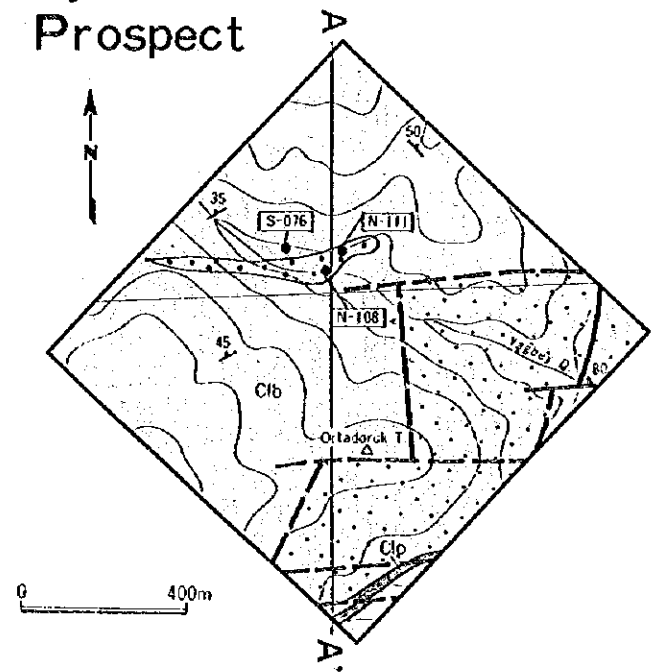


Taşköprü Zone

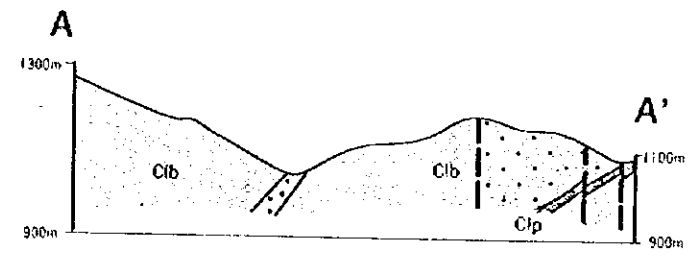
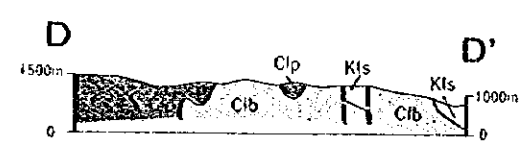
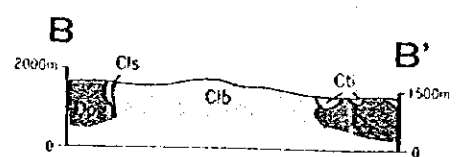
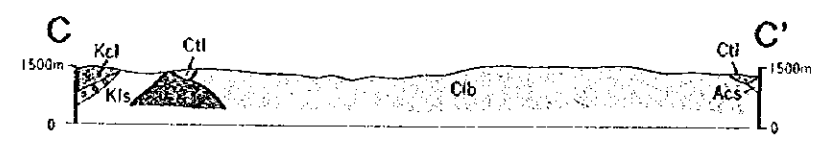
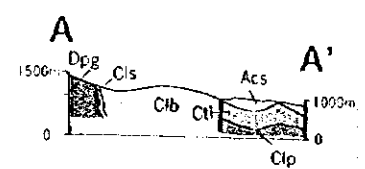
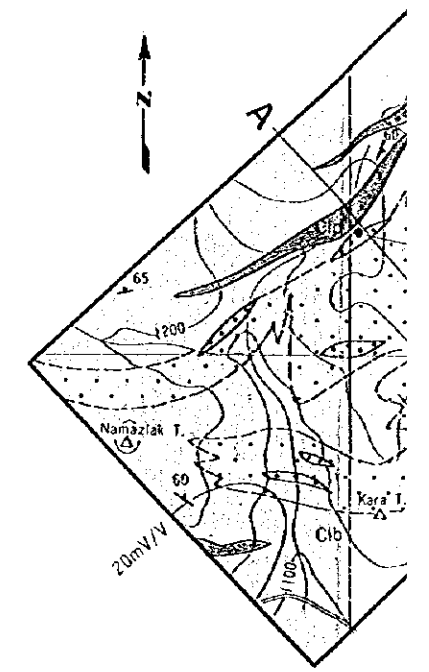




① Alayürek Prospect

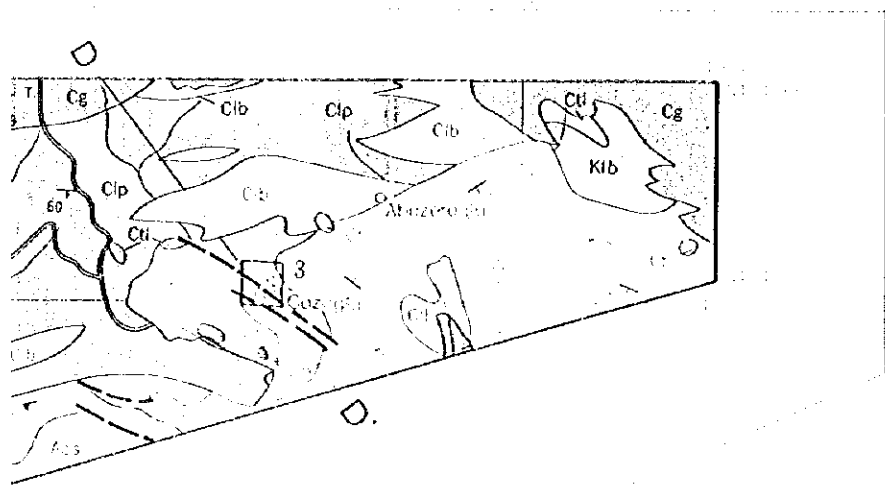
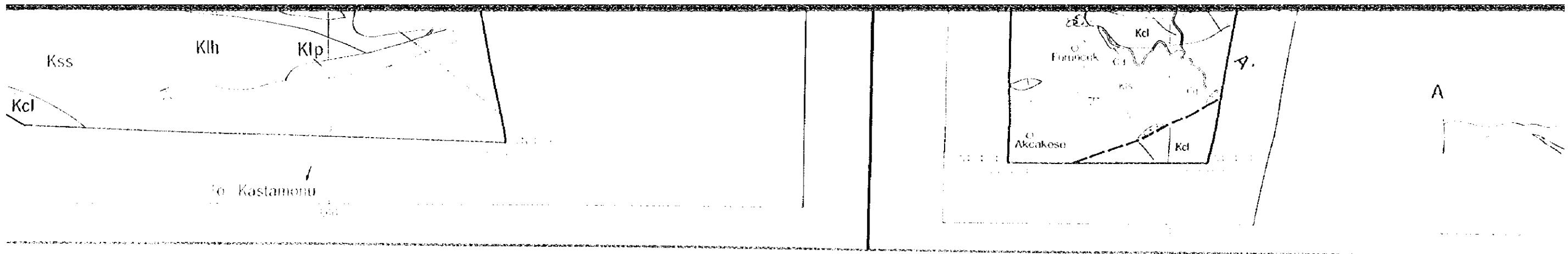


② Cünür Prospe

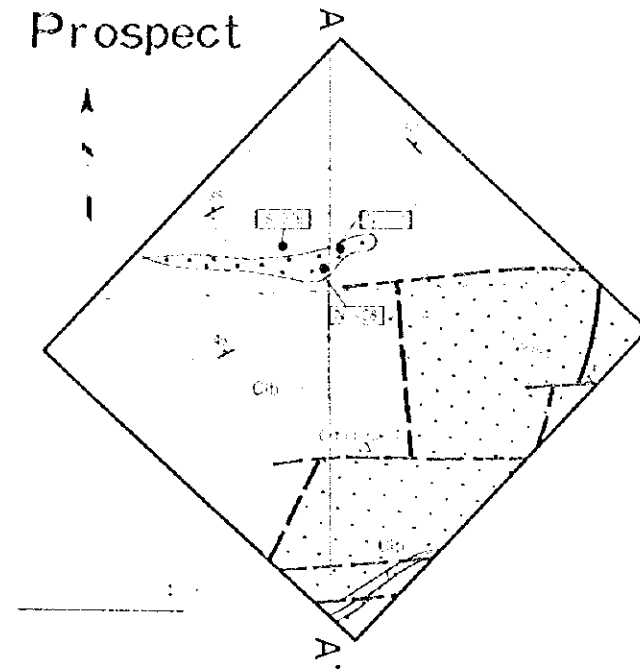


Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S(%)
N-108	Silicified Rock	0.2	< 5	0.91	< 0.01	0.03	< 0.005	12.81
N-111	Silicified Rock	1.5	100	0.17	0.39	0.03	< 0.006	1.75
S-076	Slag	< 0.1	15	1.02	0.04	1.56	< 0.006	1.39

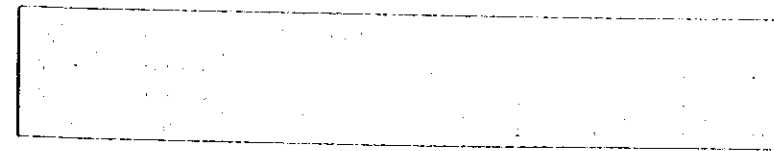
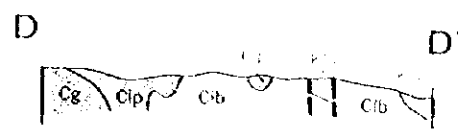
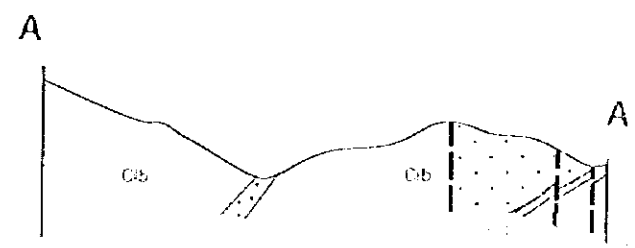
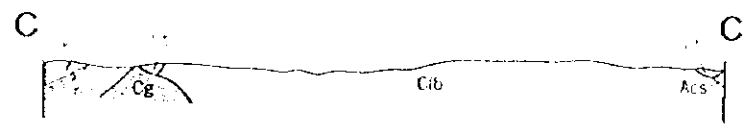
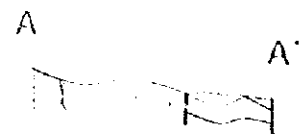
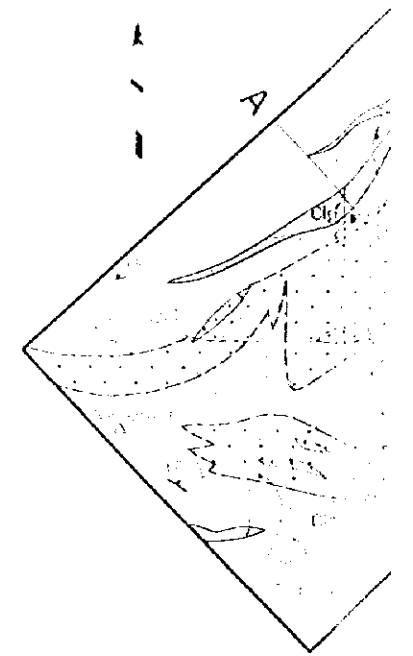
Sample No.	Sample Name	Au(g/t)
N-057	Pyrite Vein	1.9
Y-165	Green Schist	< 0.1

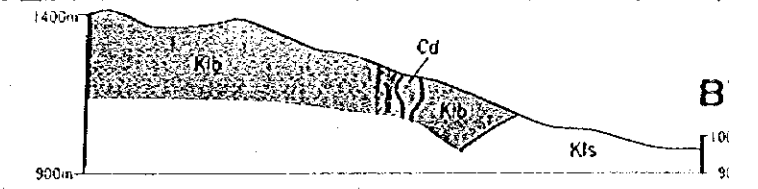
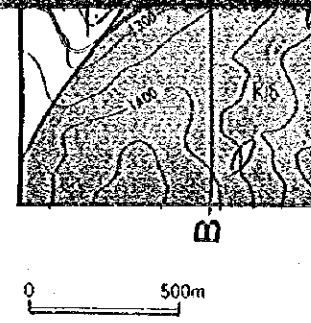
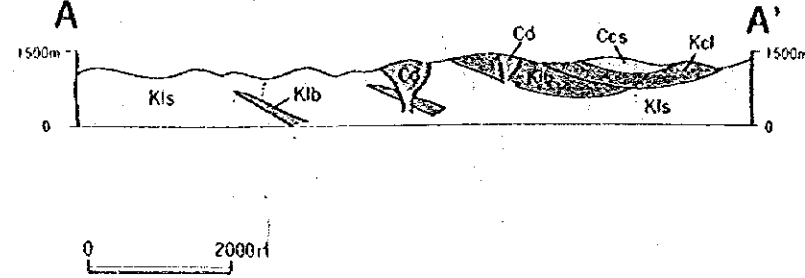
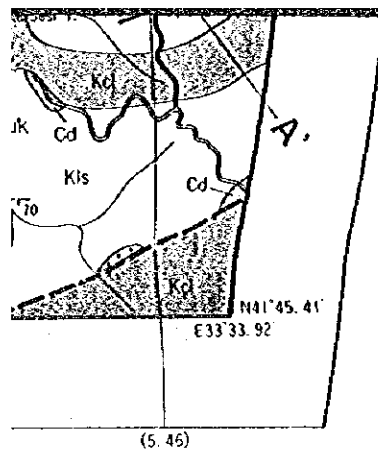


① Alayürek Prospect



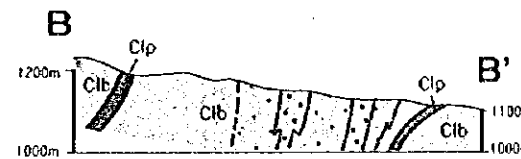
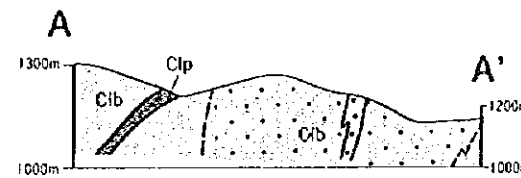
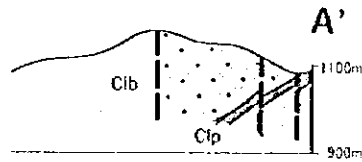
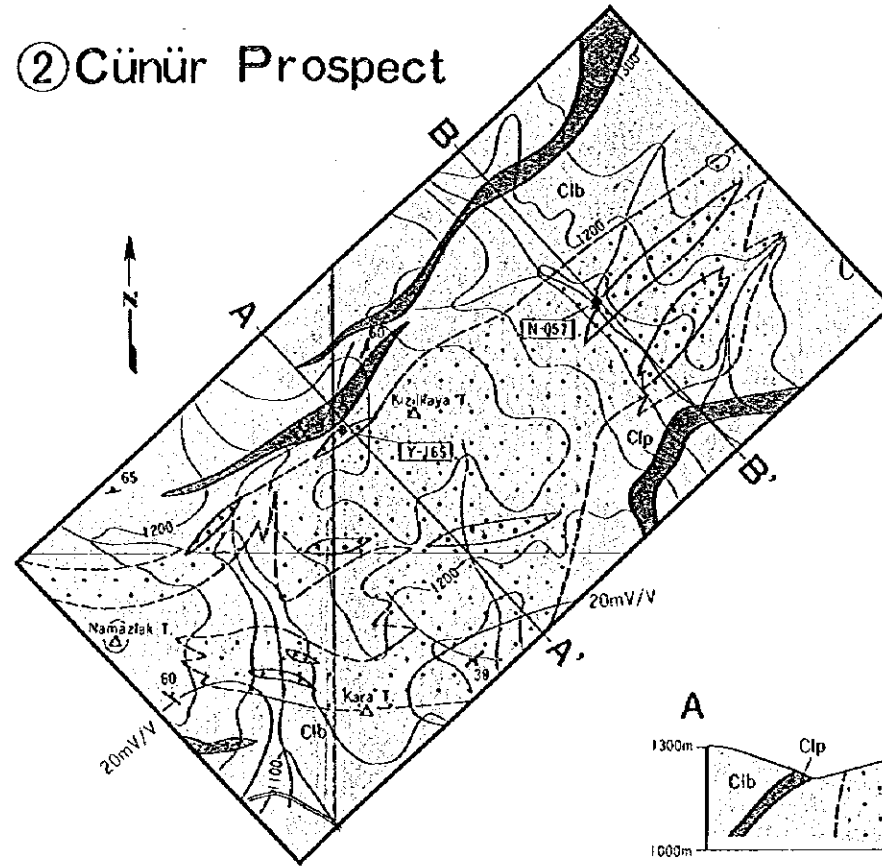
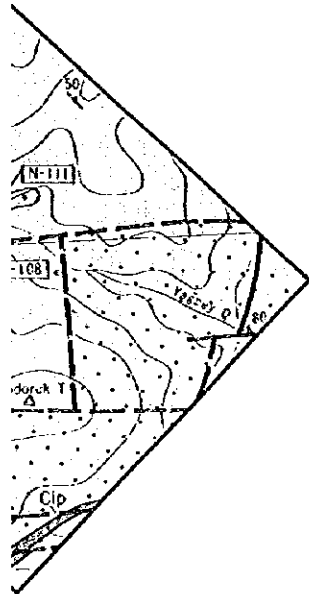
② Cünür Prospe





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

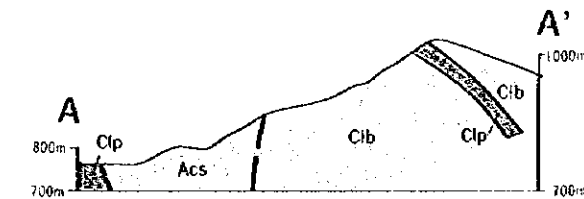
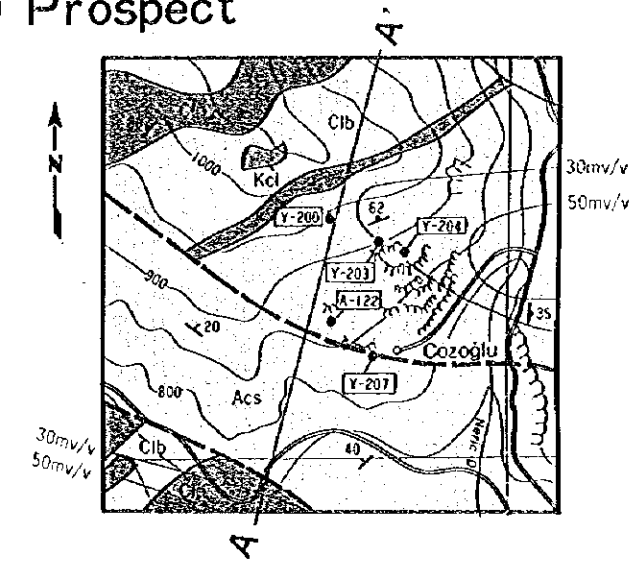
② Cünür Prospect



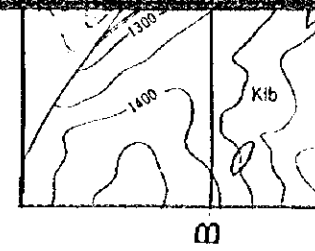
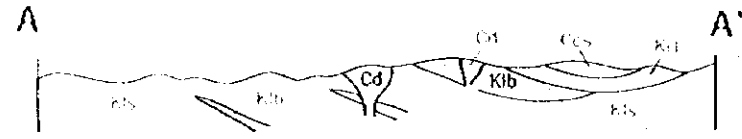
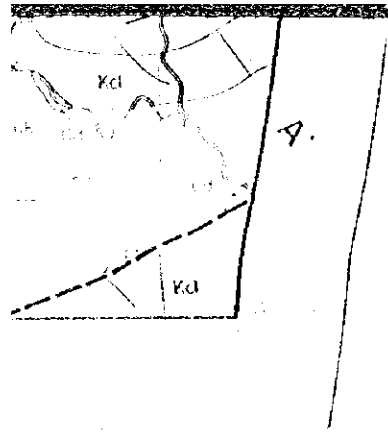
U(%)	Pb(%)	Zn(%)	Co(%)	S(%)
1.91	<0.01	0.03	<0.006	12.81
1.17	0.39	0.03	<0.006	1.75
1.02	0.04	1.56	<0.006	1.39

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	—	4.31	<0.01	1.44	0.010	0.29

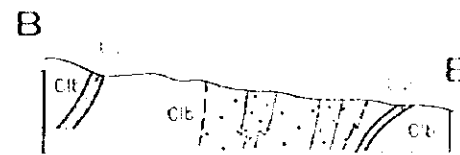
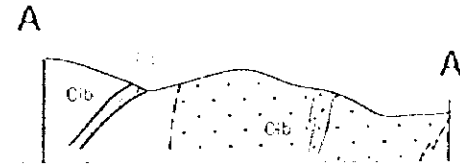
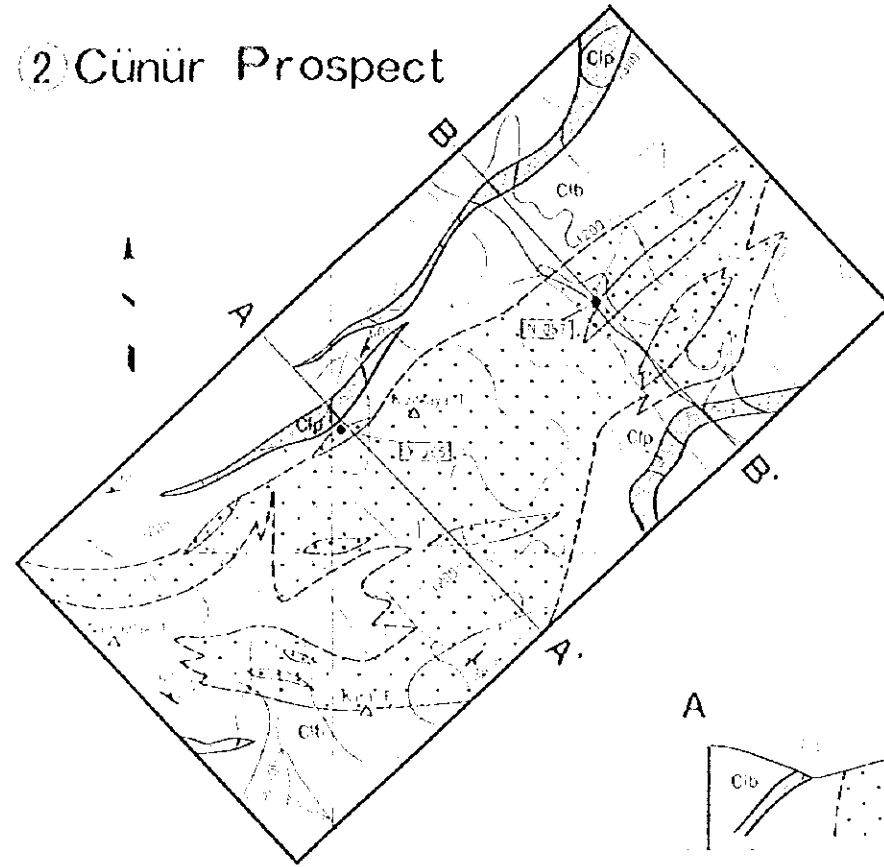
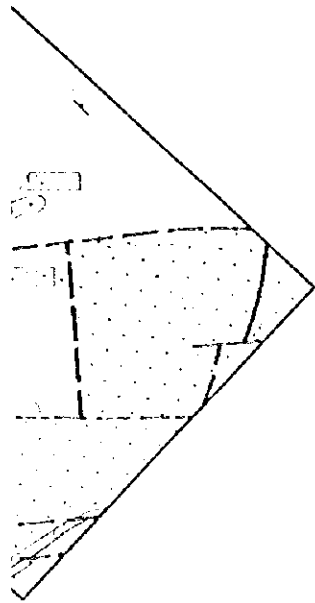
③ Cozoğlu Prospect



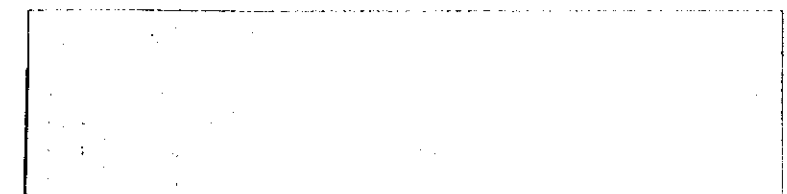
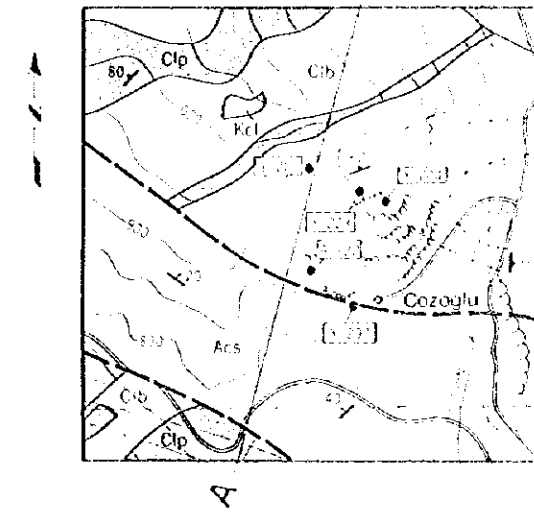
Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S(%)
A-122	Stag	<0.1	<5	1.19	0.07	0.19	0.170	0.35
Y-200	Quartz Vein	<0.1	5	2.50	<0.01	0.75	0.010	0.18
Y-203	Green Schist	<0.1	5	0.91	<0.01	0.16	0.010	1.22
Y-204	Stag	<0.1	5	4.81	<0.01	0.01	<0.006	0.49
Y-207	Stag	<0.1	5	1.05	<0.01	0.18	0.110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

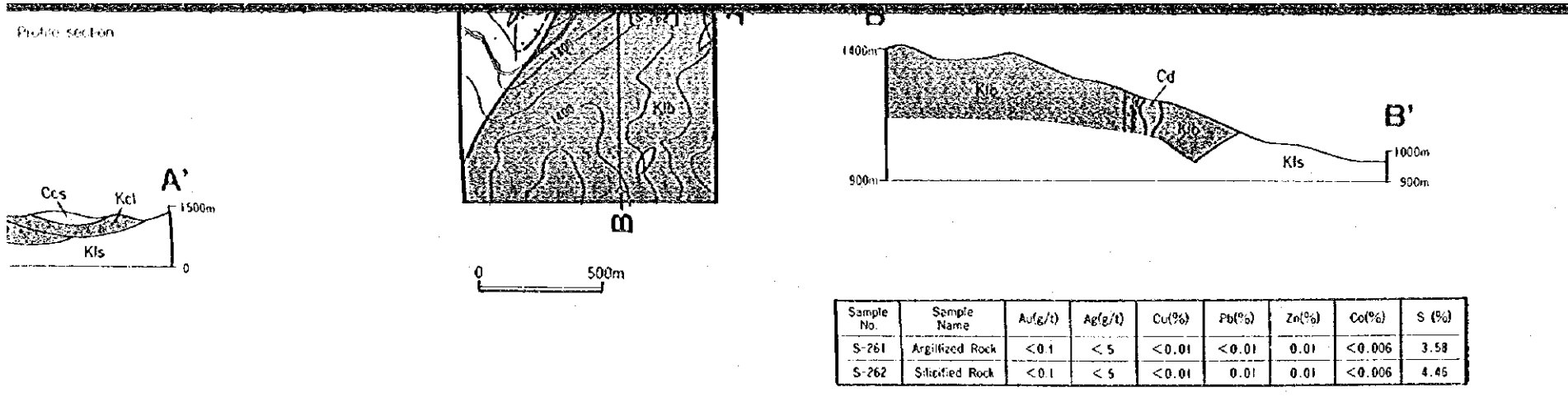


② Cünür Prospect



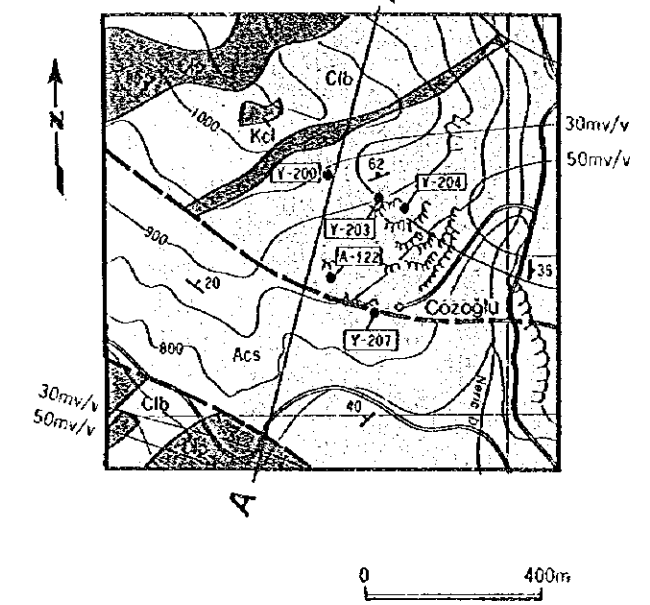
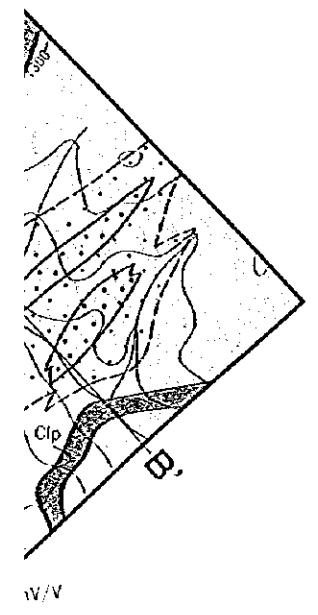
③ Cozoğlu Prospect



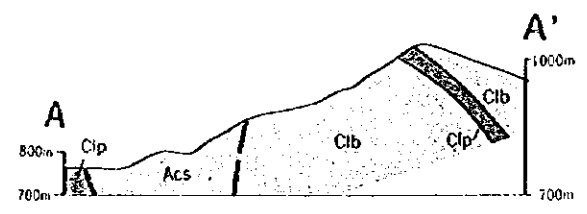
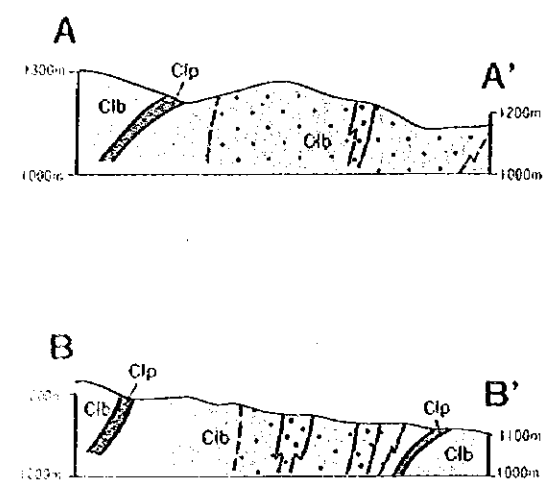


Yoshiaki IGARASHI (Coordinator Mining Engineer)
 (Turkish Members)
 Necmettin ÇELİK (ETİBANK) Coordinator
 Sadık KELEŞOĞLU (ETİBANK) Drilling Engineer
 Cemalettin SOLAK (ETİBANK) Ass. Manager
 (Japanese Members)
 Yoneharu MATANO (NED) Team Leader
 Saichi ISHII (NED) Drilling Engineer
 Yoshio SASAKI (NED) Drilling Engineer
 Tadateru SUGIBUCHI (NED) Drilling Engineer
 Mitsuo SASAKI (NED) Drilling Engineer
 Mitsuo NOMURA (NED) Drilling Engineer
 Hiromasa INABE (NED) Drilling Engineer

③ Cozoğlu Prospect

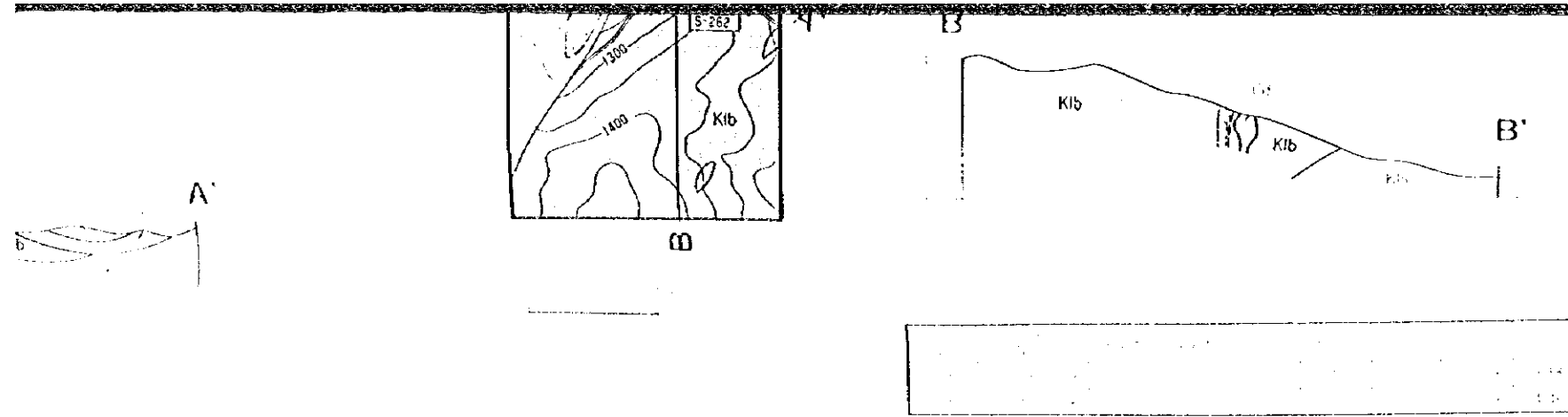


- #### LEGEND
- Tertiary
 - Çayköy F.
 - Ctl Limestone
 - Cta Andesite
 - Cts Sandstone
 - Upper Cretaceous
 - Ataçam F.
 - Acs Sandstone, mudstone, marl
 - Lower Cretaceous
 - Kızıcık F.
 - Kcl Limestone
 - Malm
 - Muzrup F.
 - Mmc Conglomerate
 - Lias
 - Kayadibi F.
 - Kls Sandstone, shale
 - Klb Basic rock
 - Pre-Lias
 - Çangal Metaporphites
 - Clp Pelitic schist
 - Clb Metabasic rock
 - Cls Serpentine
 - Paleozoic
 - Devrekani Metamorphic
 - Dpg Gneiss
 - Intrusive rocks
 - Da Dacite
 - Cg Granitoid
 - Ba Basalt
 - Mineralized Zone
 - Silicified Zone
 - Contour Line Value of Chargeability at 100m below surface
 - Sampling point
 - Fault
 - Strike and dip of strata
 - Strike and dip of schistosity
 - Profile section



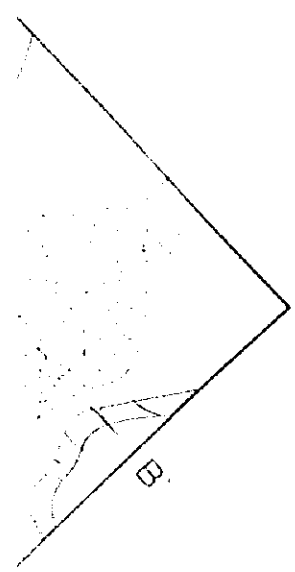
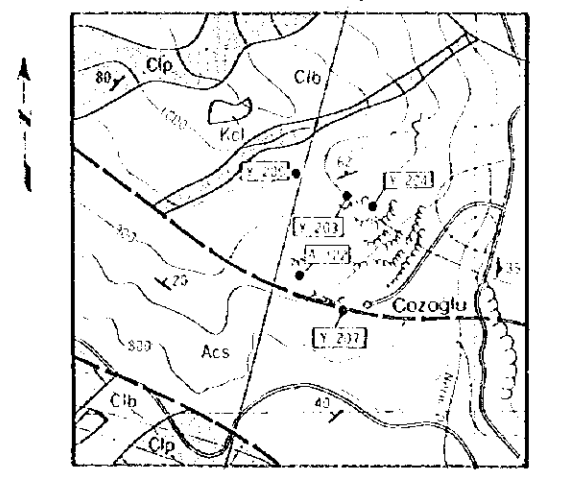
Cu(%)	Zn(%)	Co(%)	S (%)
1.19	0.15	<0.006	0.26
1.01	1.44	0.010	0.23

Sample No.	Sample Name	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	Co(%)	S (%)
A-122	Steg	<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	Steg	<0.1	5	4.81	<0.01	0.01	<0.006	0.49
Y-207	Steg	<0.1	5	1.05	<0.01	0.18	0.110	0.83



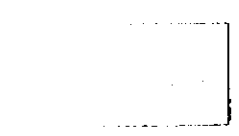
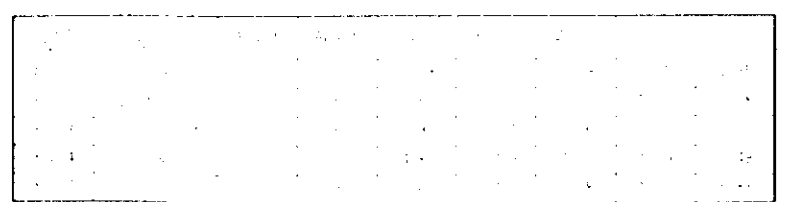
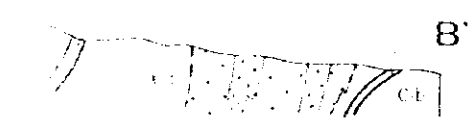
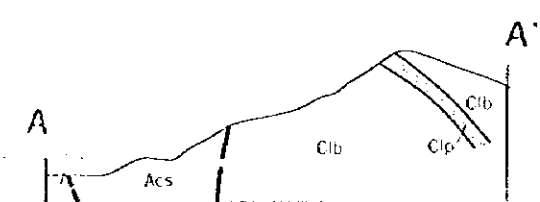
	Onli-Turkish Members
	Niğde-Turkish Members
	Sivas-Turkish Members
	Erzurum-Turkish Members
	Trabzon-Turkish Members
	Van-Turkish Members
	Malazgirt-Turkish Members
	Mush-Turkish Members
	Bitlis-Turkish Members

③ Cozoglu Prospect



LEGEND

	Onli		Onli
	C1b		C1p
	Kc1		Acs
	K1b		K2b
	K3b		K4b
	K5b		K6b
	K7b		K8b
	K9b		K10b
	K11b		K12b
	K13b		K14b
	K15b		K16b
	K17b		K18b
	K19b		K20b
	K21b		K22b
	K23b		K24b
	K25b		K26b
	K27b		K28b
	K29b		K30b
	K31b		K32b
	K33b		K34b
	K35b		K36b
	K37b		K38b
	K39b		K40b
	K41b		K42b
	K43b		K44b
	K45b		K46b
	K47b		K48b
	K49b		K50b
	K51b		K52b
	K53b		K54b
	K55b		K56b
	K57b		K58b
	K59b		K60b
	K61b		K62b
	K63b		K64b
	K65b		K66b
	K67b		K68b
	K69b		K70b
	K71b		K72b
	K73b		K74b
	K75b		K76b
	K77b		K78b
	K79b		K80b
	K81b		K82b
	K83b		K84b
	K85b		K86b
	K87b		K88b
	K89b		K90b
	K91b		K92b
	K93b		K94b
	K95b		K96b
	K97b		K98b
	K99b		K100b



JICA