












LEGEND

-  Upper sub-stage formed with rocks of Zhezkazgan, Zhidelisai and Kingir Formations
-  Lower sub-stage formed with rocks of Upper Devonian, low carbon and Taskuduk Formations
-  Border between sub-stages
-  Border between formations and sub-stages
-  Axis of anticlinal fold
-  Axis of syndinal fold
-  Brachy anticline
-  Structural line of deposition of  
a) upper sub-stage  
b) lower sub-stage
-  Flexural zone
-  Fracture
-  Element of rock deposition

- Individual structures in upper sub-stage
- ① Taskura brachy anticline
  - ② Zhaman-Aibat anticline
  - ③ Western syncline
  - ④ Anticline close to fracture
  - ⑤ Syncline close to fracture
  - ⑥ Agai trough
  - ⑦ Mynshukinskaja trough
  - ⑧ Zhetuktas uplift

- Structures in lower sub-stage
- ① Taskura dome
  - ② Central dome
  - ③ Eastern dome
  - ④ Azal dome
  - ⑤ Kulensk uplift
  - ⑥ Toprak brachy syncline

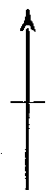
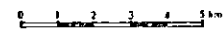
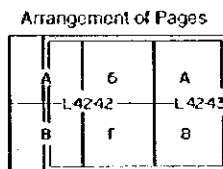
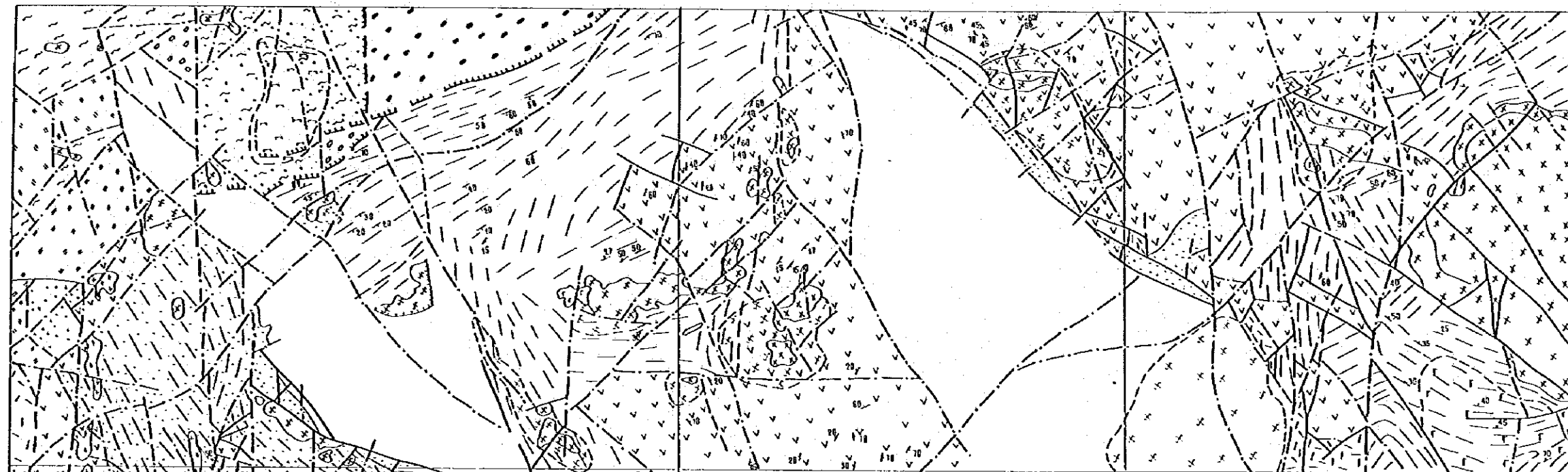
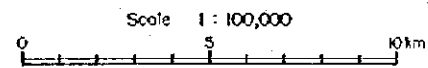


Plate 1-3-2-1 Tectonic Map of the Zhaman-Aibat Area (Scale 1:100,000)

Originally Prepared by Zhezkazgan Geological Exploration Expedition



A	B	A	B	A	B
1	2	3	4	5	6



Legend

- |   |  |  |   |
|---|--|--|---|
| <b>Geosynclinal Stage</b>                         |  | <b>Orogenic Stage</b>                      |   |
| <b>Folding Complex of Pre-Caledonian Basement</b> |  | <b>First Structural Stage</b>              |   |
|   | Quartzite-schist formation                           |  | Continental basalt-dacite formation   |
|   | Early Caledonides                                    |  | Continental dacite-rhyolite formation   |
|   | Volcanogenic-carbonate-silica formation              |  | Sub-volcanic bodies of rhyolites-andesite basalts                                       |
|   | Dunite-gabbro formation                              |  | Granodiorite formation (Karametfinsky complex)  |
|   | Sub-alkaline dunite clinopyroxenite formation        |  | Sub-alkaline granitoides formation (Kokodukhtyinsky complex)                            |
|   | Terrigenous silica formation                         | <b>Second Structural Stage</b>             |   |
|   | Terrigenous olistostroma formation                   |  | Continental upper molassa (molassa formation)   |
| <b>Later Caledonides</b>                          |  | <b>Sub-Platform Stage</b>                  |   |
|   | Flyshoid formation                                   |  | Carbonate-ferriogenic marine and carbonate-ferriogenic paralic & coal bearing formation |
|   | Flyshoid olistostroma formation                      | <b>Stages of Epi-Caledonian Activation</b> |   |
|   | Marine molassa formation (lower molassa)             |  | Sub-alkaline diorite formation (Vishnevsky complex)                                     |
|   | Clinopyroxenite-gabbro formation (Tuzdinsky complex) |  | Sub-alkaline gabbroide formation (Monyteysky complex)                                   |
|   |  |  | Normal granite formation (Koytassky complex)  |


Originally Prepared by Joint Stock Company "Karagandageology"

**Plate I-3-2-2 Tectonic Map of the Samarsky Area (Scale 1:100,000)**

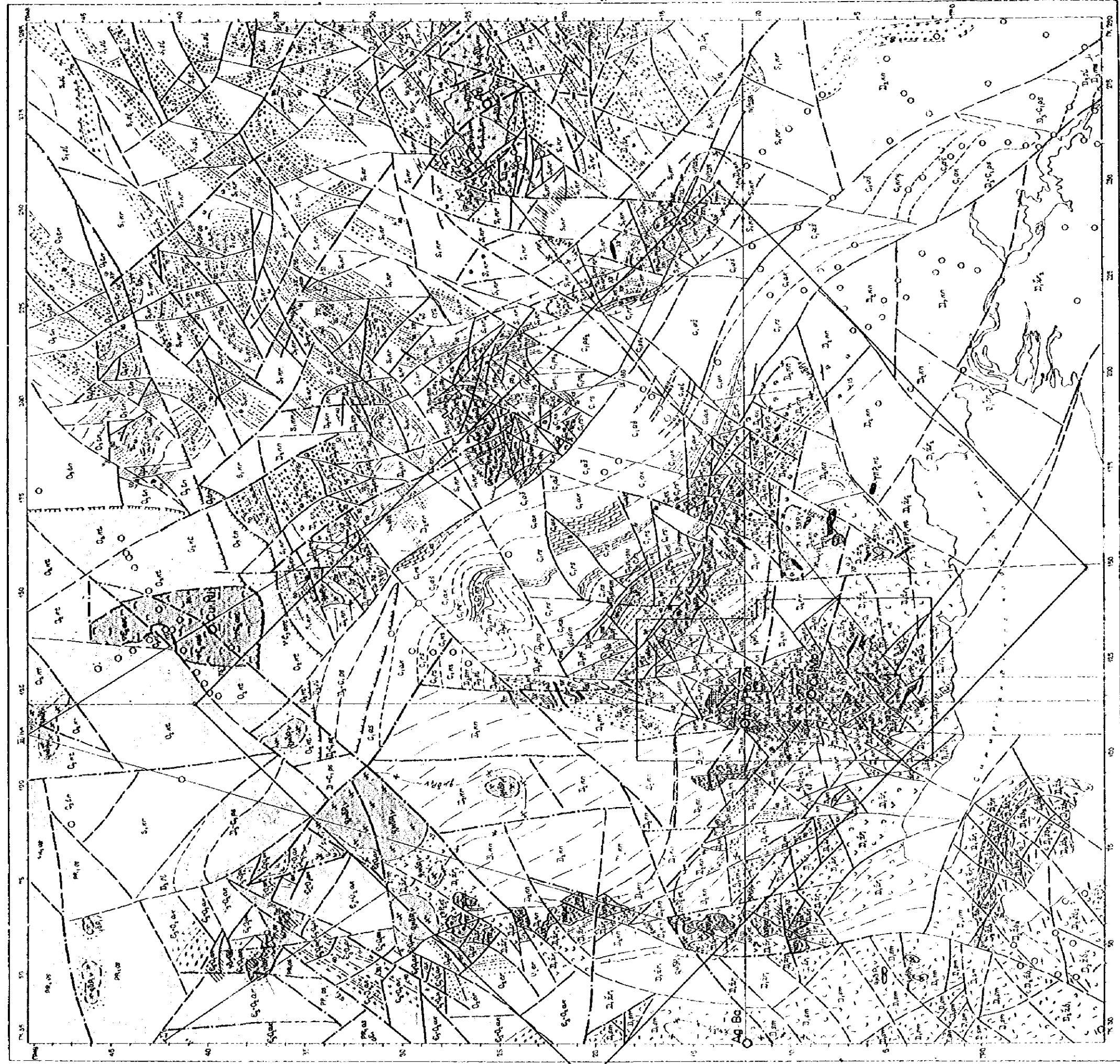
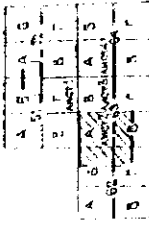


Схема районирования АЭС-2



Условные обозначения см. Приложение АЭС-1

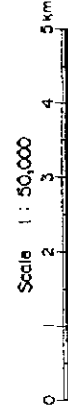
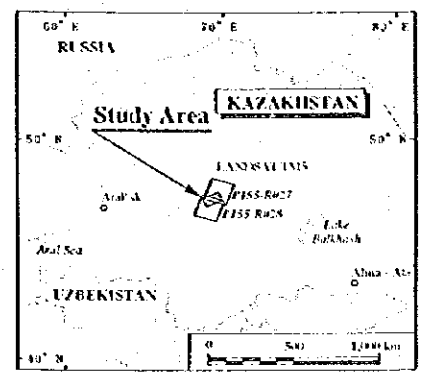


Plate I-3-3-1 Distribution Map of Ore Deposits in the Samarsky Area (Scale 1:50,000)  
Originally Prepared by Central Prospecting Survey Expedition, 1994

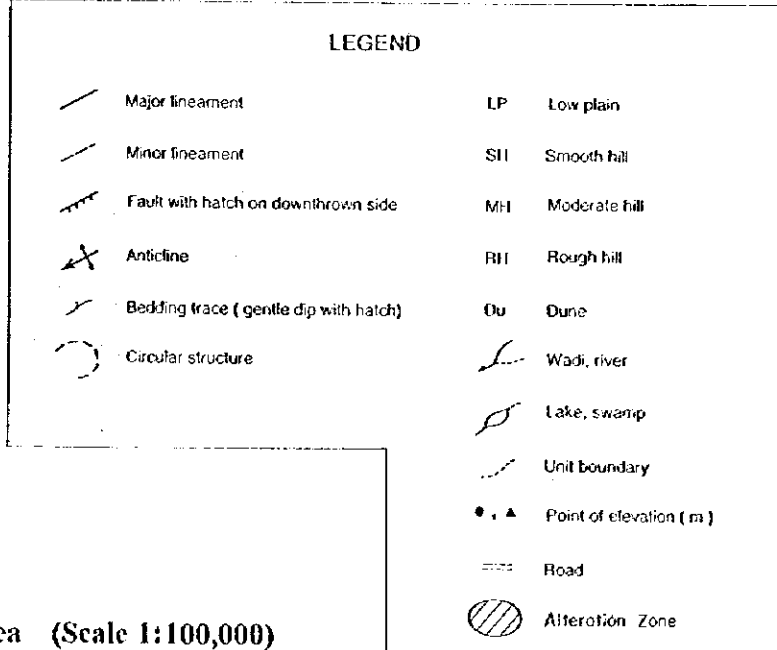
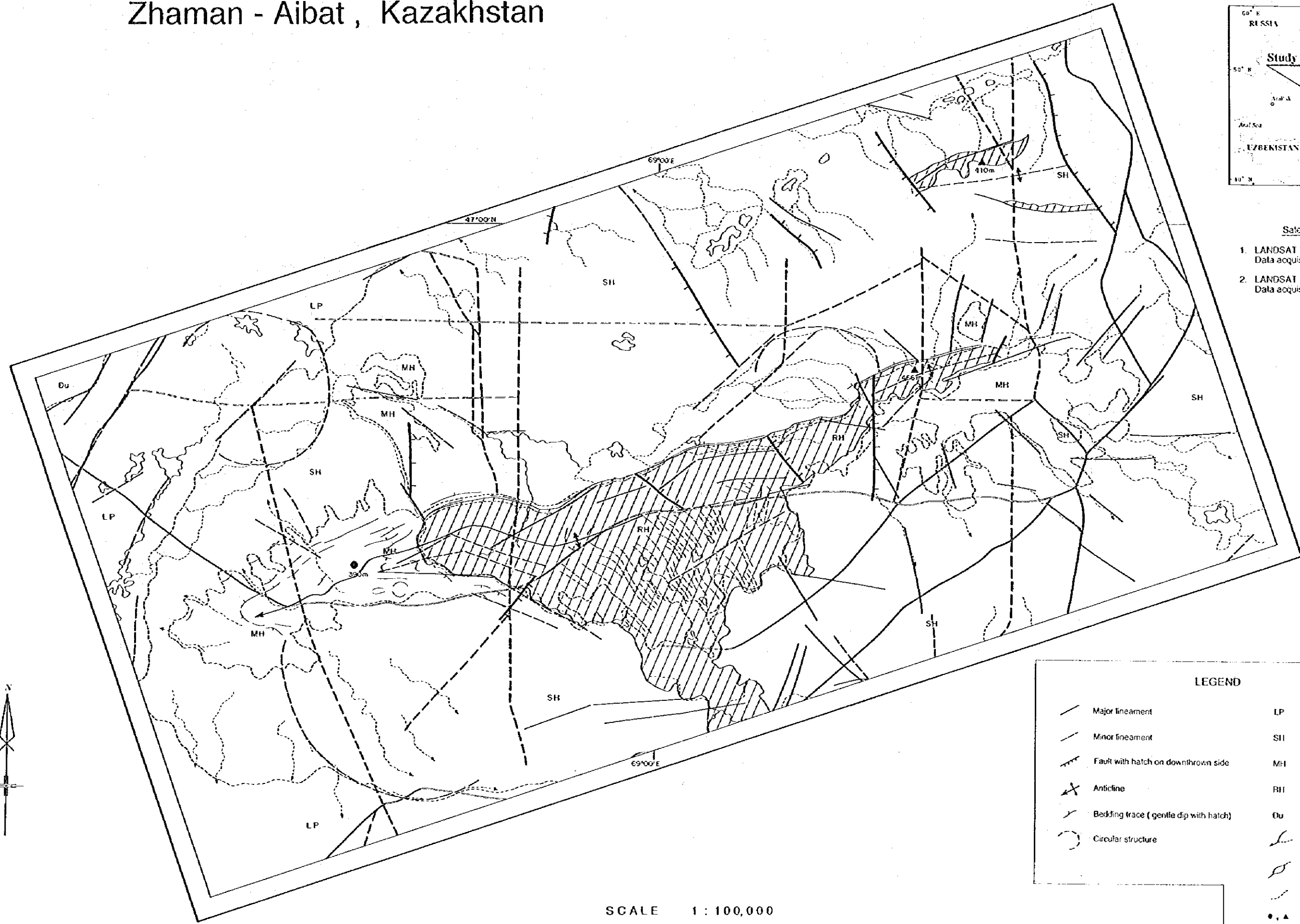
Центральная геологическая экспедиция	Очерк геологической районировки заклада масштаба 1:50000 на площади АЭС-2 М-43-51-52, Г. 52, 7, 6, 62, 6-8, 8, Г. 5, 63-А, 63-В, 64-А, 64-В, 1994 г.
Исполнитель исследования	Удмуртский государственный университет Институт геологии 1904
Получено АЭС-2	ГЕОЛОГО-ГЕОДИНАМИЧЕСКАЯ КАРТА ПЯТОГО ПОРЯДКА Масштаб 1:50,000, 63-А, 63-В, 64-А, 64-В
Масштаб 1:50000 Лист АЭС-2	Копирование материалов из ГИС (геоинформационная система) АЭС-2 Лист АЭС-2
Государственный геологический институт ИГиЛ	Составитель: А. И. Жданов Редактор: Т. С. Калыгина

# Zhaman - Aibat , Kazakhstan



### Satellite images used

1. LANDSAT TM5 Path 155 - Row 027  
Data acquisition : 04 / Aug / 91
2. LANDSAT TM5 Path 155 - Row 028  
Data acquisition : 01 / Aug / 91



SCALE 1 : 100,000

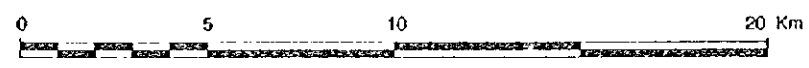
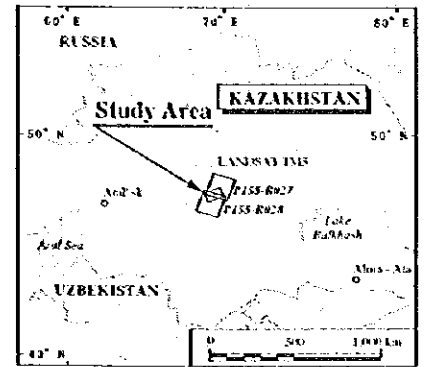
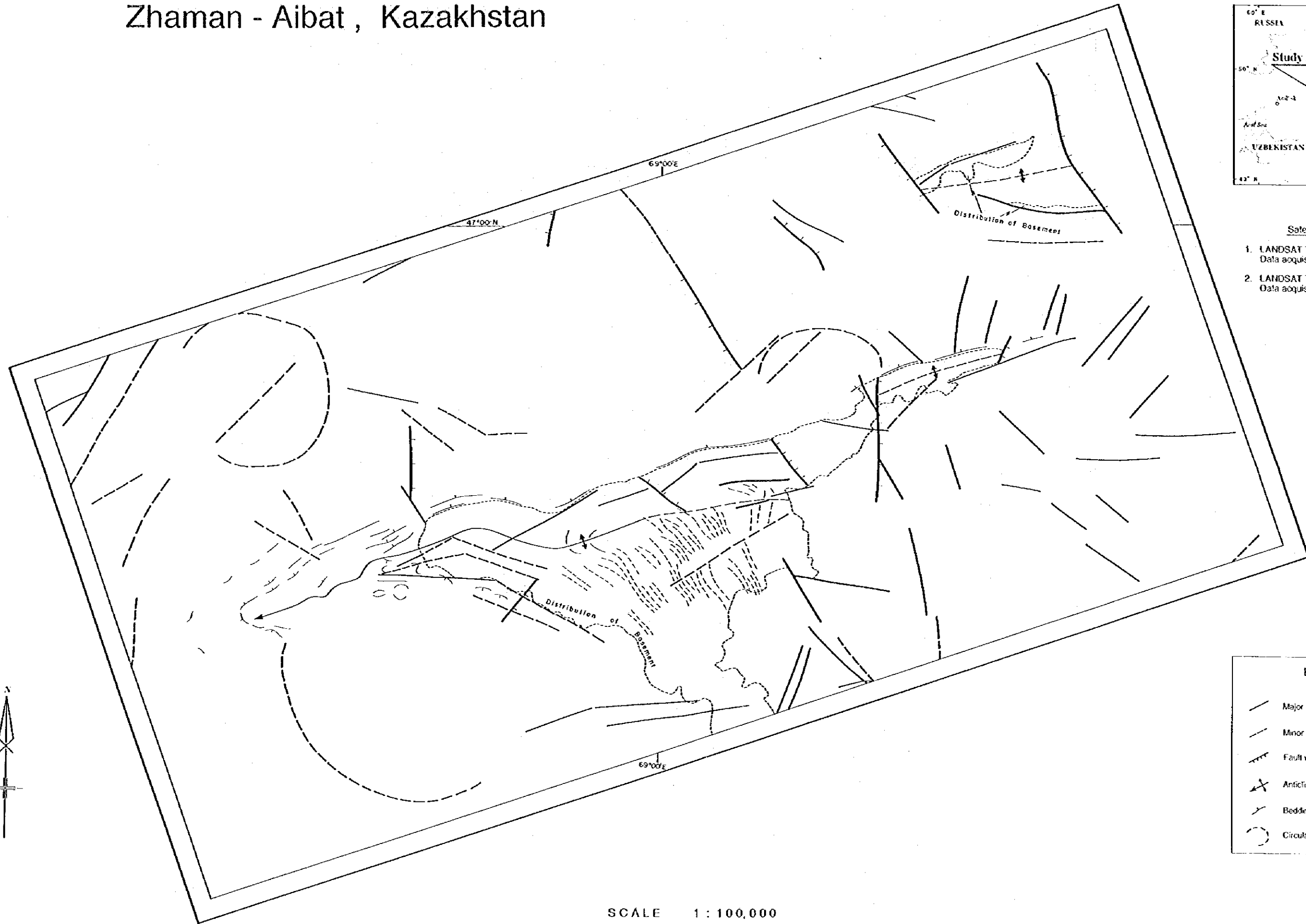


Plate I-4-1-1 Interpretation Map of Satellite Image Analysis in the Zhaman-Aibat Area (Scale 1:100,000)

# Zhaman - Aibat , Kazakhstan



### Satellite images used

1. LANDSAT TM5 Path 155 - Row 027  
Data acquisition : 04 / Aug / 91
2. LANDSAT TM5 Path 155 - Row 028  
Data acquisition : 04 / Aug / 91

### LEGEND

- Major lineament
- Minor lineament
- Fault with hatch on downthrown side
- Anticline
- Bedding trace ( gentle dip with hatch)
- Circular structure

SCALE 1 : 100,000

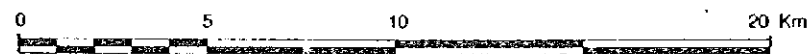
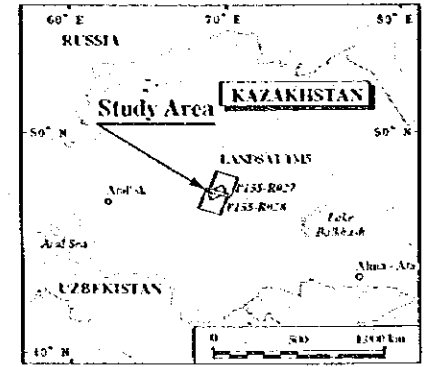


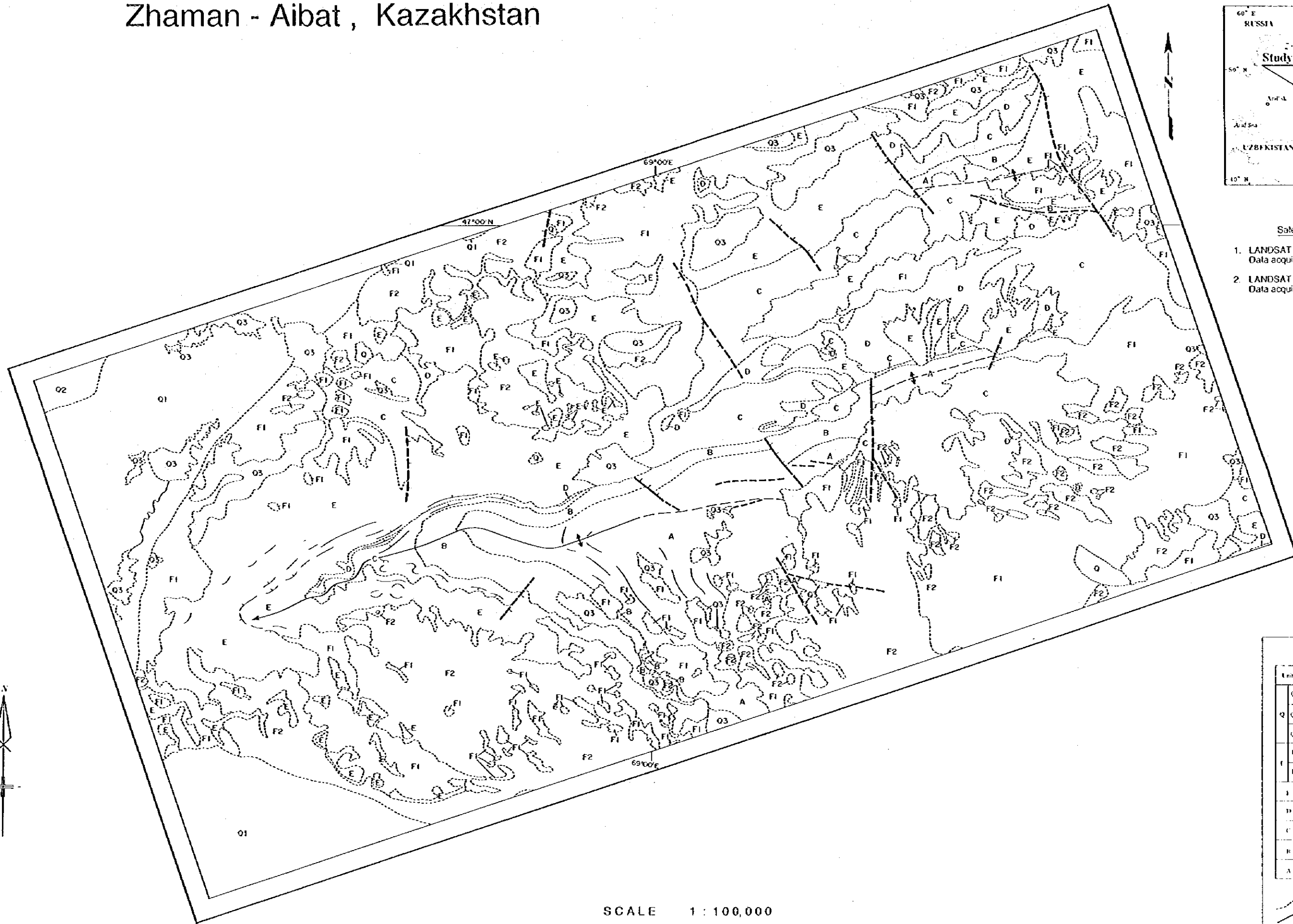
Plate II-3-1-1 Lineament Analysis of Satellite Image in the Zhaman-Aibat Area (Scale 1:100,000)

# Zhaman - Aibat , Kazakhstan



Satellite images used

1. LANDSAT TM5 Path 155 - Row 027  
Data acquisition : 04 / Aug / 91
2. LANDSAT TM5 Path 155 - Row 028  
Data acquisition : 04 / Aug / 91



**LEGEND**

Unit	Formation
Q <sub>3</sub>	Quaternary
Q <sub>2</sub>	
Q <sub>1</sub>	
F <sub>2</sub>	Pre-Quaternary
F <sub>1</sub>	
D	
C	
B	
A	

Unit boundary  
 Fault with fault on downthrown side  
 Inferred fault  
 Anticline

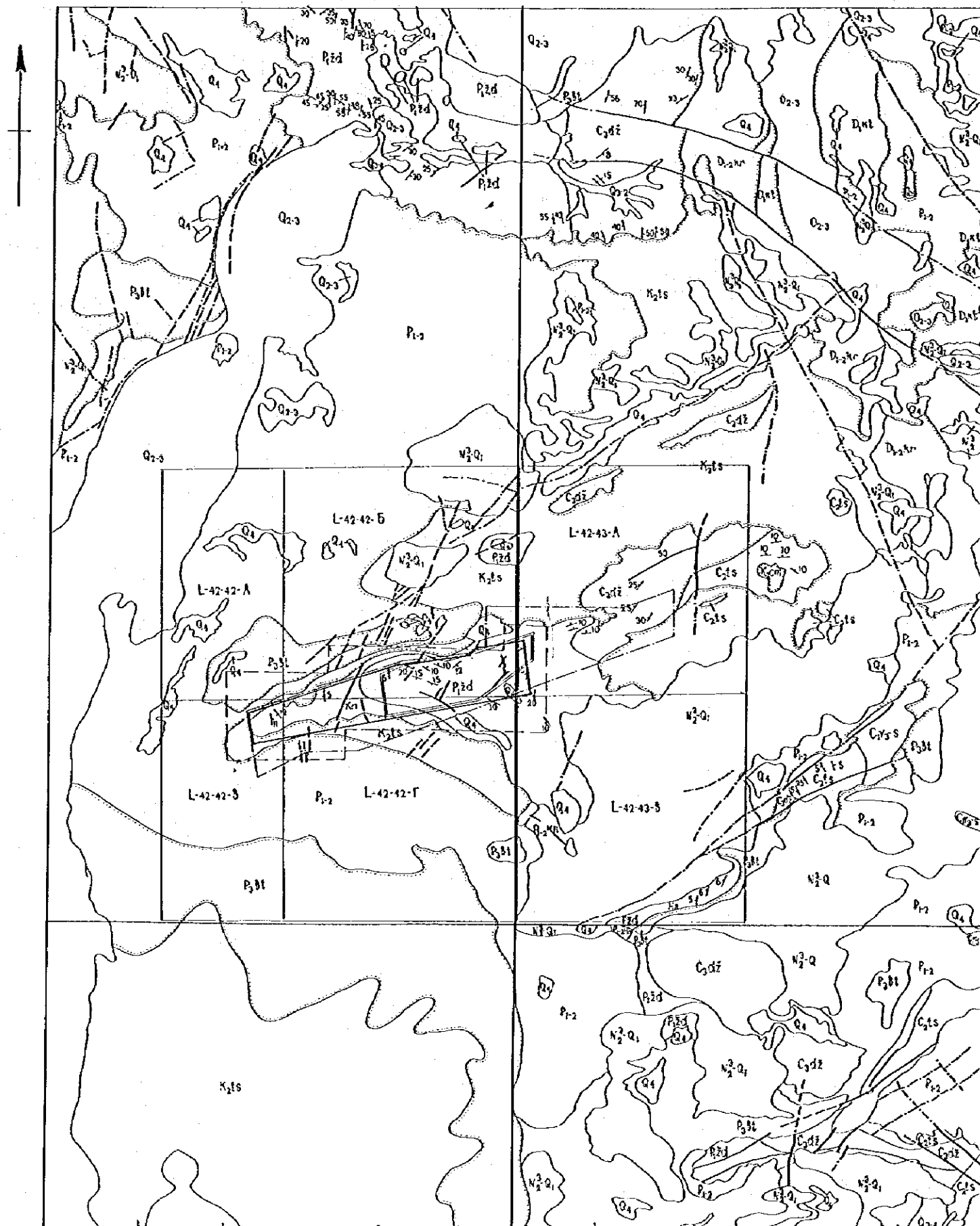
SCALE 1 : 100,000



Plate II-3-1-2 Geological Classification of Satellite Image in the Zhaman-Aibat Area (Scale 1:100,000)



### LEGEND

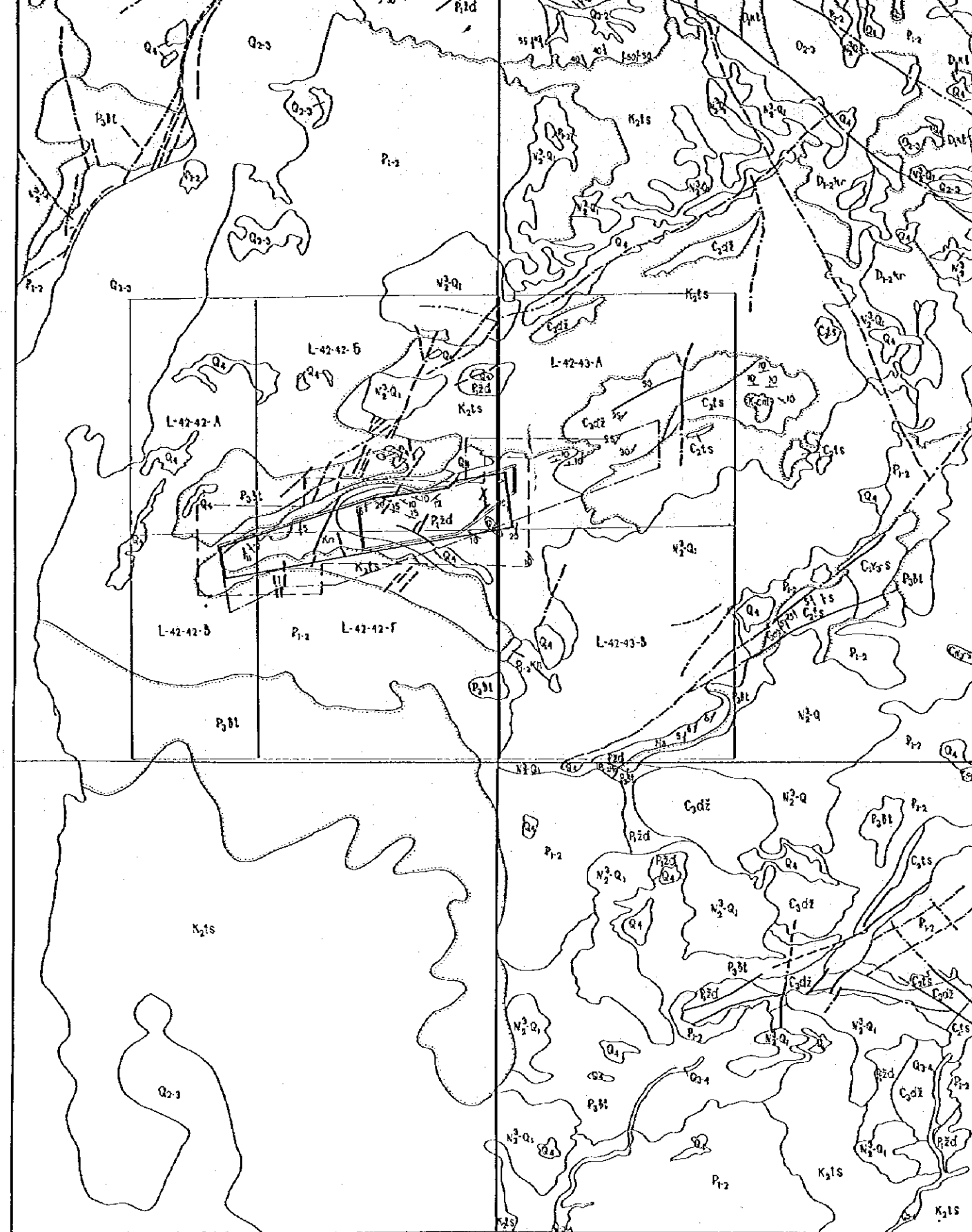


- Quaternary**
  - Q<sub>4</sub>** Modern deposition: Salty clay, aleurolite
  - Q<sub>3-4</sub>** Upper Quaternary-modern deposition: Gravel, sand, loam
  - Q<sub>2-3</sub>** Middle-Upper Quaternary deposition: Quartz-feldspar, quartz, inequigranular yellow sands
  - N<sub>2</sub>-Q** Upper Pliocene-Low Quaternary deposition: Polymict, inequigranular yellow loam, gravel
- Paleogene**
  - P<sub>3</sub>bt** Low Oligocene: Belpakdalin Formation: Red-brown clay with gypsum druse
  - P<sub>1-2</sub>** Paleocene-Eocene: Clay, quartz, and ferruginous sandstone, rubble
- Cretaceous System**
  - K<sub>2</sub>ts** Upper section: Cenomanian-Turon stages: Taskura series: Quartz-limestone sandstone, opoka-like clays
- Permian**
  - P<sub>1-2</sub>kn** Low-upper section: Kengir Formation: Limy sandstone aleurolite, horizons of oolitic limestone
  - P<sub>1</sub>zd** Low section: Zhidetsai Formation: Red coloured sandstone, aleurolite, argillite
- Carboniferous**
  - C<sub>3</sub>dz** Upper section: Dzhezkazgan Formation: Polymictic sandstone, inequigranular, brown, red-brown aleurolite and argillite
  - C<sub>2</sub>ts** Middle section: Taskuduk Formation: Polymict, inequigranular, brown, green-grey sandstone and red-brown argillite, below the horizon of flint
  - C<sub>1</sub>v3-5** Upper Vizei sub-stage - Serpukhov stage: Detritus and green-grey sandstone
- Devonian**
  - D<sub>1-2</sub>kr** Low-middle section: Karasai Formation: Coarse rubble, brown conglomerate, sandstone, andesite and andesite-basalt, porphyry and their tuff, quartz porphyry, liparitic porphyrite, ignimbrite
  - D<sub>1</sub>kt** Low section: Koktas Formation: Red-brown conglomerate, arkose, polymictic inequigranular sandstone, brown aleurolite, lenses of chernogenic limestone
- Q<sub>2-3</sub>** Middle-Upper section: Quartz-feldspar-mica sandstone, clayey shale, clayey mica, horizons of jasper and jasper-quartzite, lenses of dark grey marble limestone
- K<sub>2</sub>, D<sub>1</sub>kr, D<sub>1</sub>kt** Middle Devonian subvolcanic intrusion: Liparitic and quartz porphyry, diorite porphyry
- 
- 
- 
- 
- 

L-42-8	L-42-8
①	②
③	④

1 Belov G. V. 1959-61  
 2 Kiriaikov I. F. 1967-69  
 3 Belov G. V. 1961-63  
 4 Belov G. V. 1974-76

- Acting projects
- a) Exploration for new ore depositions on flanges of the Zhaman-Aibat deposit in 1989-95
  - b) Projected areal geophysical works, scale 1 : 10 000 in the Baskuduk project
  - Preliminary exploration of the Zhaman-Aibat area in 1988-95



- Paleogene
  - P<sub>3</sub>Bl Low Oligocene: Belpakdalin Formation: Red-brown clay with gypsum druse
  - P<sub>1-2</sub> Paleocene-Eocene: Clay, quartz, and ferruginous sandstone, rubble
- Cretaceous System
  - K<sub>2</sub>ts Upper section: Cenomanian-Turon stages: Taskura series: Quartz-limestone sandstone, opoka-like clays
- Permian
  - P<sub>1-2</sub>kn Low-upper section: Kengir Formation: Limy sandstone aleurolite, horizons of oolitic limestone
  - P<sub>1</sub>td Low section: Zhidetsal Formation: Red coloured sandstone, aleurolite, argillite
- Carboniferous
  - C<sub>3</sub>dz Upper section: Dzhezkazgan Formation: Polymictic sandstone, inequigranular, brown, red-brown aleurolite and argillite
  - C<sub>2</sub>ts Middle section: Taskuduk Formation: Polymictic, inequigranular, brown, green-grey sandstone and red-brown argillite, below the horizon of flint
  - C<sub>1</sub>v<sub>3</sub>-s Upper Vizei sub-stage - Serpukhov stage: Detritus and green-grey sandstone
- Devonian
  - D<sub>1-2</sub>kr Low-middle section: Karasai Formation: Coarse rubble, brown conglomerate, sandstone, andesite and andesite-basalt, porphyry and their tuff, quartz porphyry, liparitic porphyrite, ignimbrite
  - D<sub>1</sub>kt Low section: Koktas Formation: Red-brown conglomerate, arkose, polymictic inequigranular sandstone, brown aleurolite, lenses of chemogenic limestone
- Q<sub>2-3</sub> Middle-Upper section: Quartz-feldspar-mica sandstone, clayey shala, clayey mica, horizons of jasper and jasper-quartzite, lenses of dark grey marble limestone
- X<sub>1</sub>, E<sub>1</sub>O<sub>2</sub> Middle Devonian subvolcanic intrusion: Liparitic and quartz porphyry, diorite porphyry
- Border of unconformed deposition
- Border of normal stratigraphic contact - authentic
- Line of tectonic contact: a) authentic, b) hidden under Mesozoic-Cenozoic depositions
- The area
- Geological survey scale 1: 50 000

L-42-2	L-42-8	1 Belov G. V. 1959-61 2 Kirakov I. F. 1967-69 3 Belov G. V. 1961-63 4 Belov G. V. 1974-76
①	②	
③	④	
Acting projects		

- a) Exploration for new ore depositions on flanges of the Zhaman-Aibat deposit in 1989-95
- b) Projected areal geophysical works, scale 1: 10 000 in the Baskuduk project
- Preliminary exploration of the Zhaman-Aibat area in 1988-95

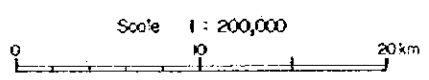


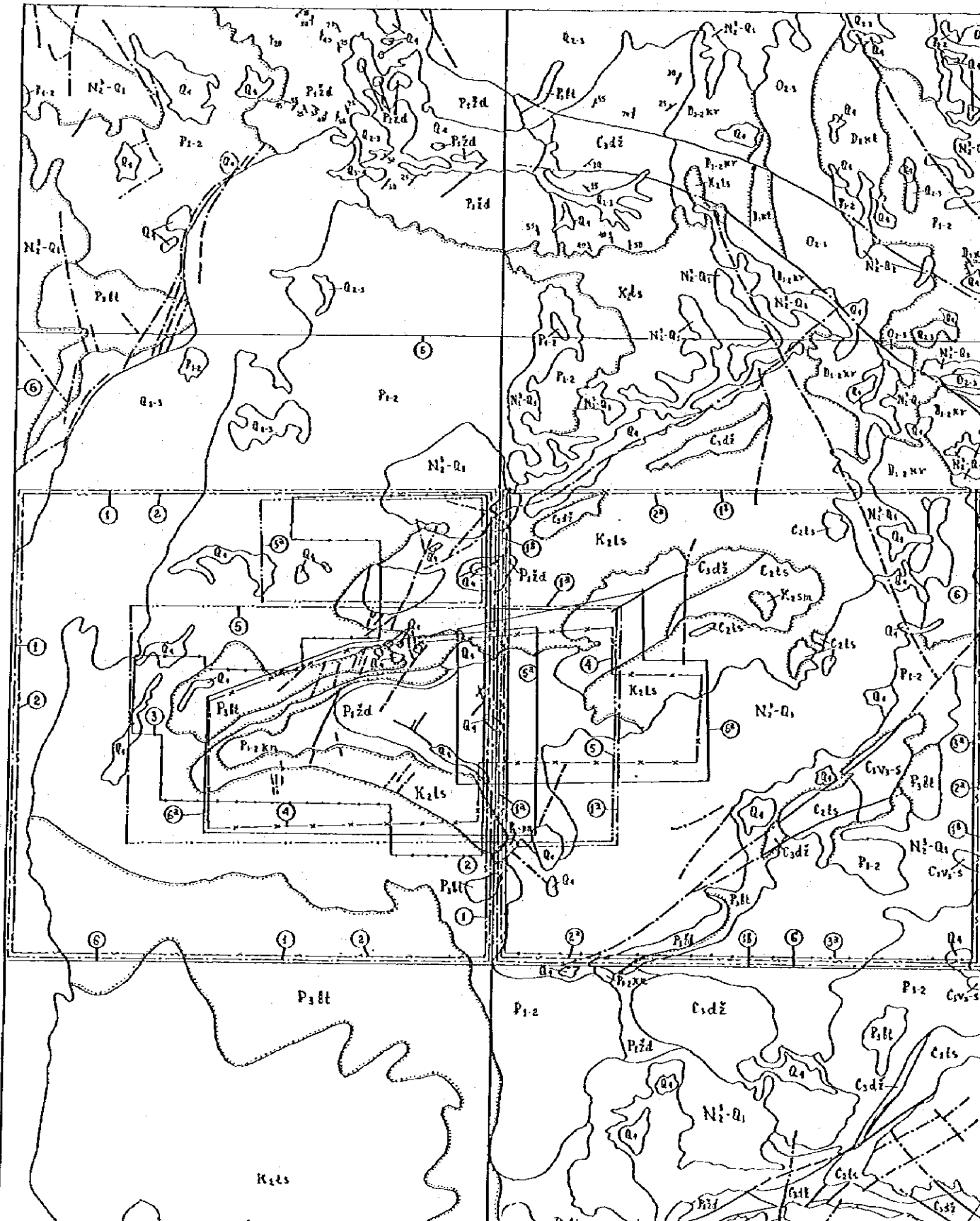
Plate III-1-2-1 Compiled Index Map of the Previous Geological Surveys in the Zhaman-Aibat Area (Scale 1:200,000)

Originally Prepared by Joint Stock Company "ZhezkazganGeologiya"



Legend

m-1-2-2



**Gravity Survey**  
 ① DGRE, Scheripov A. 1987-1990, scale 1:50,000  
 ② DGRE, Schuvalov T. 1981-1984, scale 1:50,000  
 ③ DKGRE, Kogan E. 1973-1974, scale 1:50,000

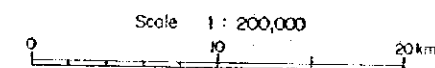
**Magnetic Survey**  
 ④ DGRE, Scheripov A. 1987-1990, scale 1:50,000  
 ⑤ DGRE, Schuvalov T. 1981-1984, scale 1:50,000

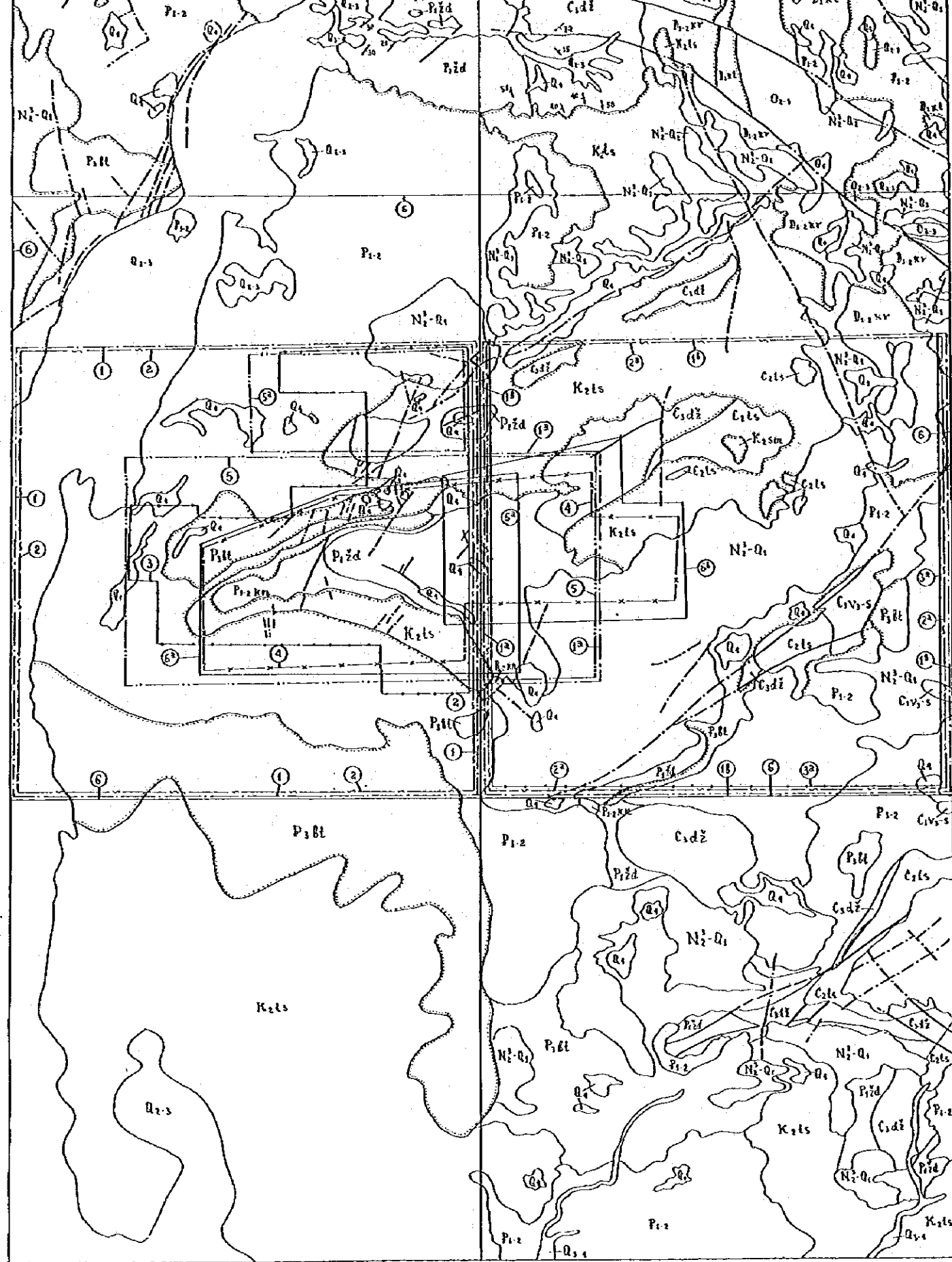
**Geochemical Survey**  
 ⑥ DGRE, Scheripov A. 1987-1990, scale 1:50,000  
 ⑦ DGRE, Schuvalov T. 1981-1984, scale 1:50,000

**Electrical Survey TEM**  
 ⑧ DGRE, Smirnova N., Scheripov A. 1986-1992

**Electrical Survey VES**  
 ⑨ DGPHE, Skalskii N. 1959, scale 1:50,000  
 ⑩ DGPHE, Skalskii N. 1960, scale 1:50,000

**Seismic Exploration**  
 ⑪ Lines MOV (Reflection), scale 1:200,000  
 ⑫ Lines MOGT (Common Depth Point)  
 a) with intermediate magnetic recording,  
 b) with digital recording





① DKGRE, Kogan E. 1973-1974, scale 1:50,000

**Magnetic Survey**

② DGRE, Scheripov A. 1987-1990, scale 1:50,000

③ DGRE, Schuvatov T. 1981-1984, scale 1:50,000

**Geochemical Survey**

④ DGRE, Scheripov A. 1987-1990, scale 1:50,000

⑤ DGRE, Schuvatov T. 1981-1984, scale 1:50,000

**Electrical Survey TEM**

⑥ DGRE, Smirnova N., Scheripov A. 1986-1992.

**Electrical Survey VES**

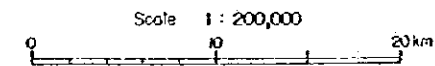
⑦ DGPHe, Skalskii N. 1969, scale 1:50,000.

⑧ DGPHe, Skalskii N. 1960, scale 1:50,000.

**Seismic Exploration**

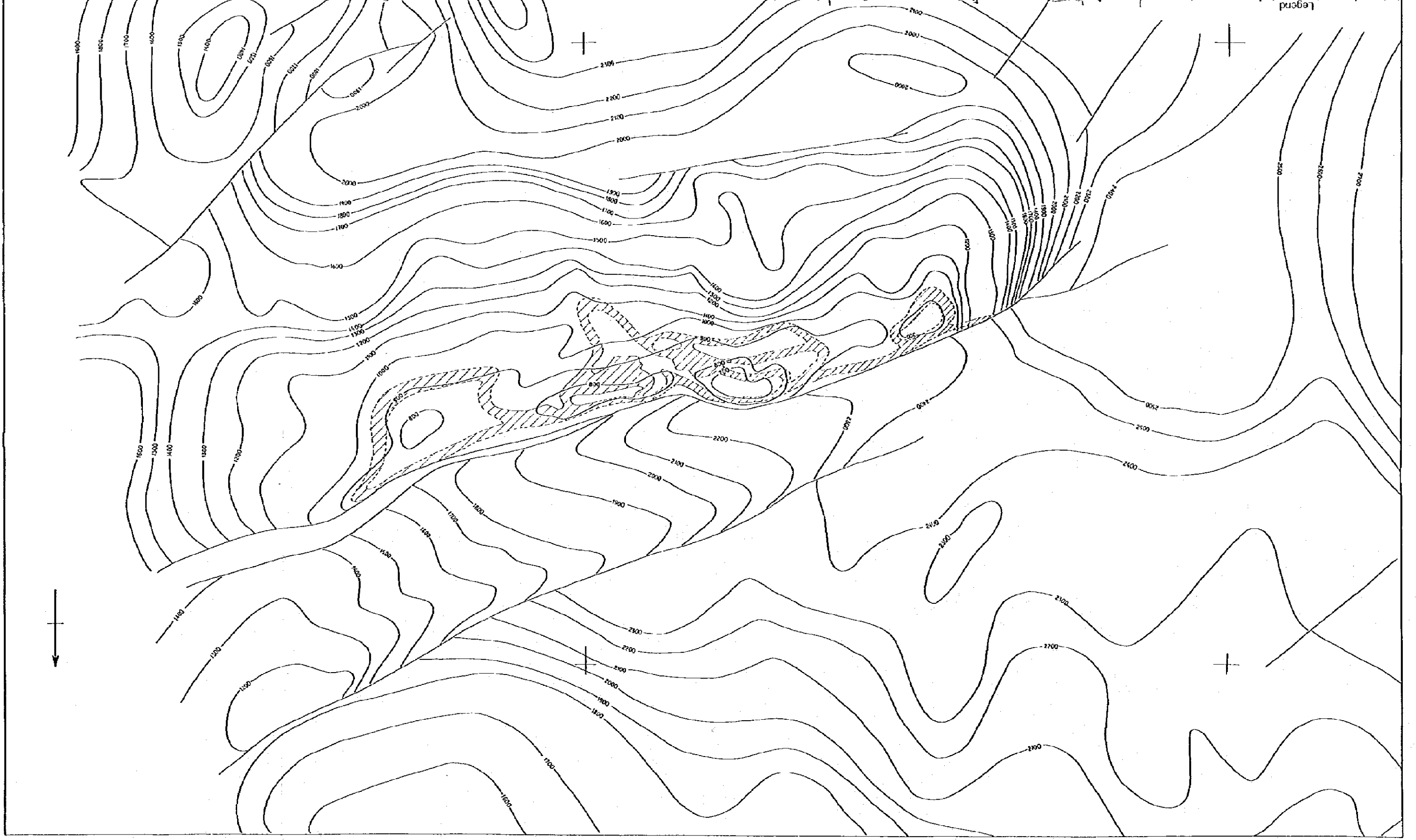
⑨ Lines MOV (Reflection), scale 1:200,000

⑩ Lines MOGT (Common Depth Point)  
a) with intermediate magnetic recording,  
b) with digital recording.

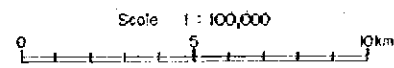
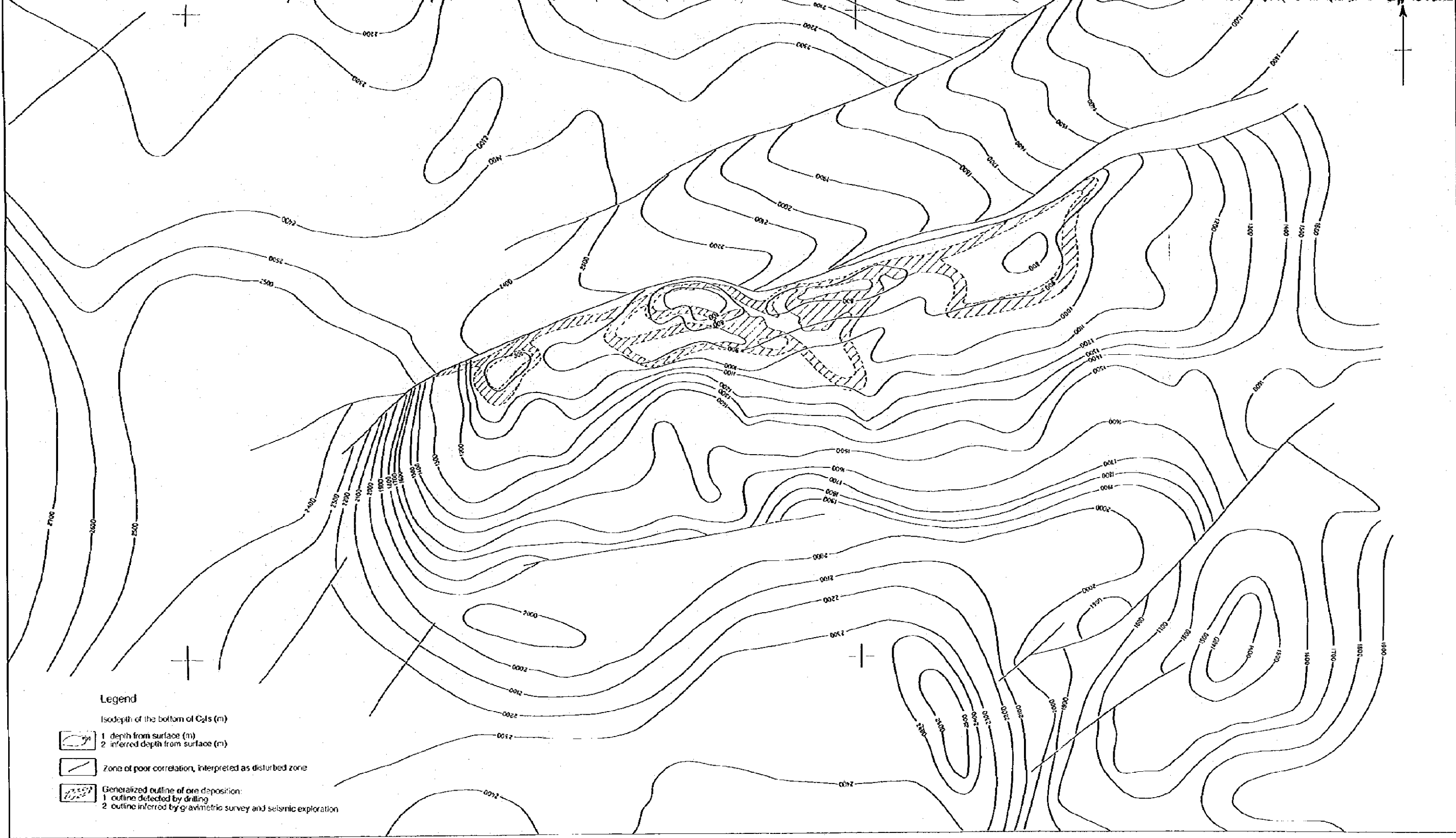


Originally Prepared by Joint Stock Company "Zhekhargangeologiya"

**Plate III-1-2-2 Compiled Index Map of the Previous Geochemical and Geophysical Surveys in the Zhaman-Aibat Area (Scale 1:200,000)**

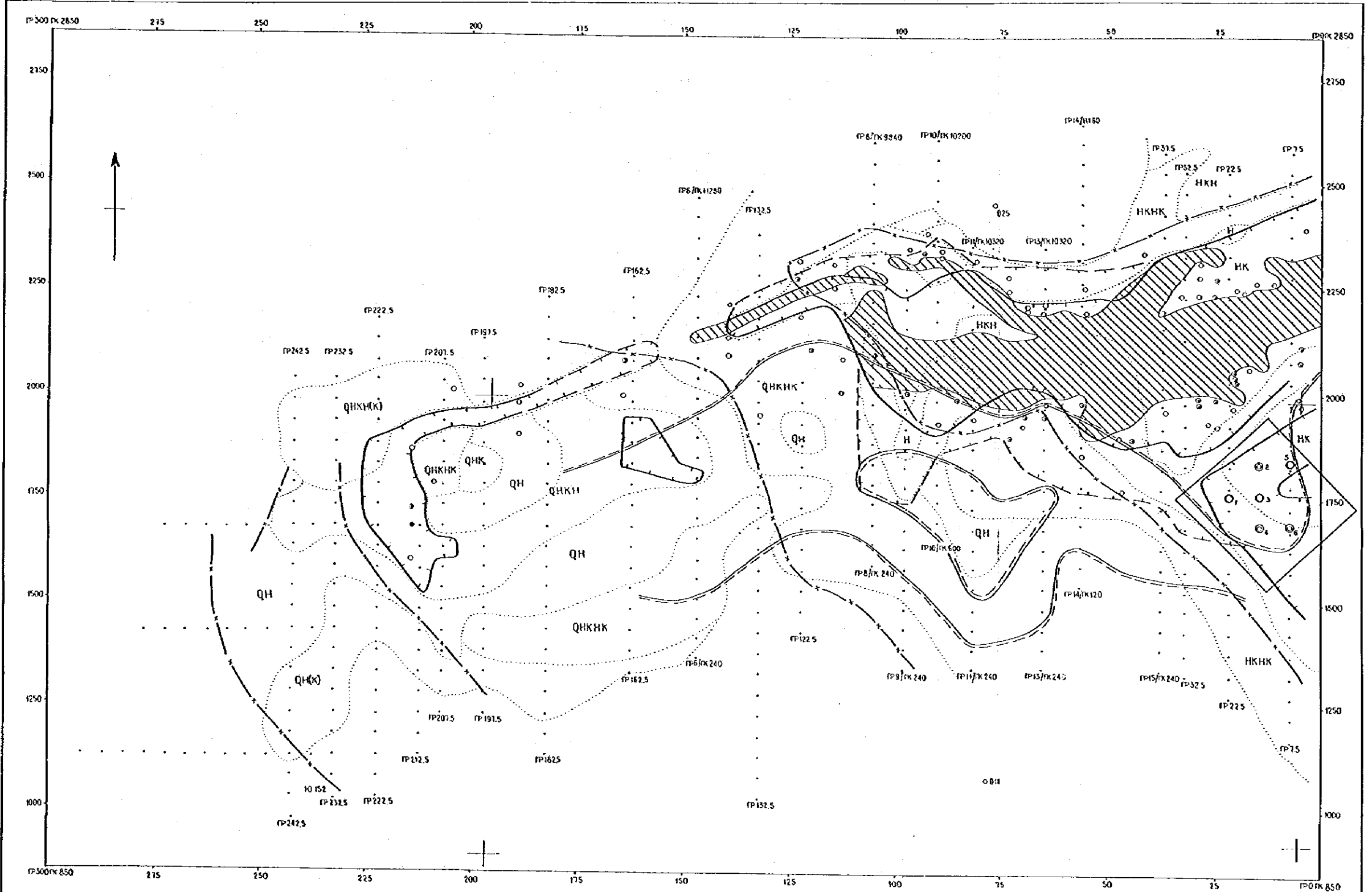


КАРТА ИЗОГИБЫН ПО ОРОФОНУ Р<sub>н</sub> (С<sub>2</sub>LS)  
 М-6-1:100000  
 УЧ-К ЖАНАН-АМНАТ (L-42-42,43)  
 Тосмения: Сирхон В.А.



Originally Prepared by Joint Stock Company "ZhezkazganGeologya"

Plate III-1-2-3 The Result of Seismic Survey in the Zhaman-Aibat Area (Scale 1:100,000)



Legend

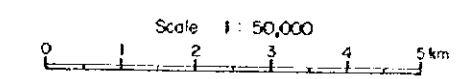
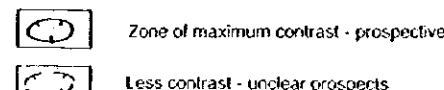
SCHEME L-42-42

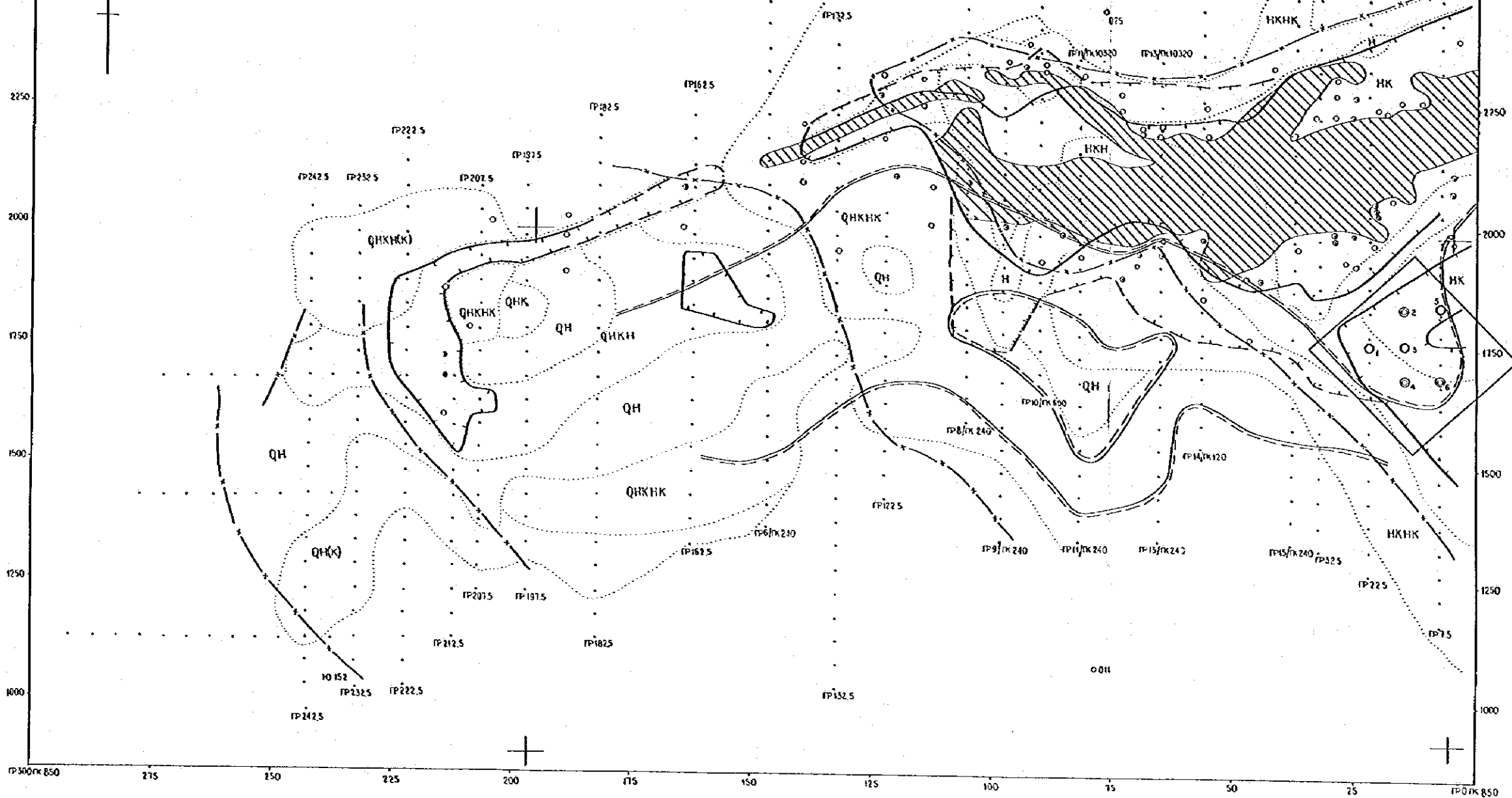


Types of curves  $\rho_t$  TEM. Characteristic deposition  $P_2Zd$  and  $C_{23}$



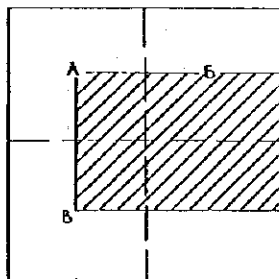
Zones of local rises of  $\rho_t$  curve TEM confined formations  $C_{23}$  of interbedding colours





Legend

SCHEME L-42-42



- Types of curves  $\rho_t$  TEM:  
Characteristic deposition  $P_2Zd$  and  $C_{23}$
- HK
  - HKH
  - HKHK, HKHKH
  - H
- Characteristic Deposition  $P_{12}$ ,  $P_1$  and partly  $C_{23}$
- QHK, QHKH
  - QHKHK, QHKHKH
  - QH
  - Other types of curves

Zones of local rises of  $\rho_t$  curve TEM confined formations  $C_{23}$  of interbedding colours

- Zone of maximum contrast - prospective
- Less contrast - unclear prospects
- Line of high gradient of value  $\rho_t$  ( $H = 600 - 700$ )
- Areas with anomalous seismic record
- General outline of the area of explored ore deposition in the Zhaman-Aibat deposit
- Wells outside ore body  
1) with ore, 2) with mineralization, 3) non-commercial, 4) commercial
- Outline of prospective area Kazibek
- Recommended exploration well sites  
a) first stage  
b) second stage

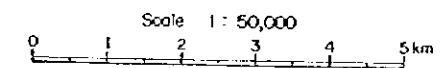
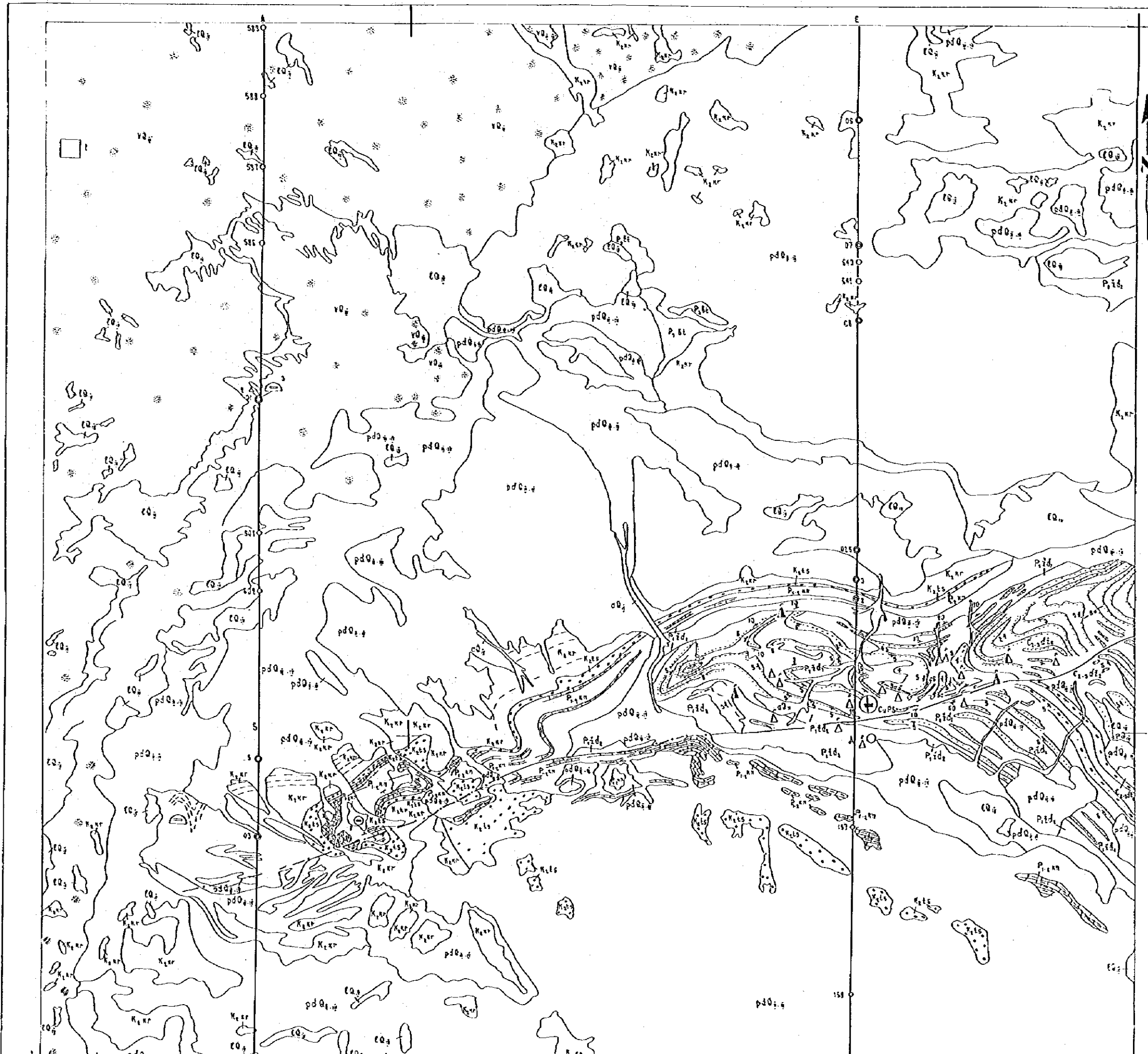


Plate III-1-2-4 The Result of Electric Survey in the Zhaman-Aibat Area (Scale 1:50,000)

Originally Prepared by Joint Stock Company "Zhezkazganologiya"





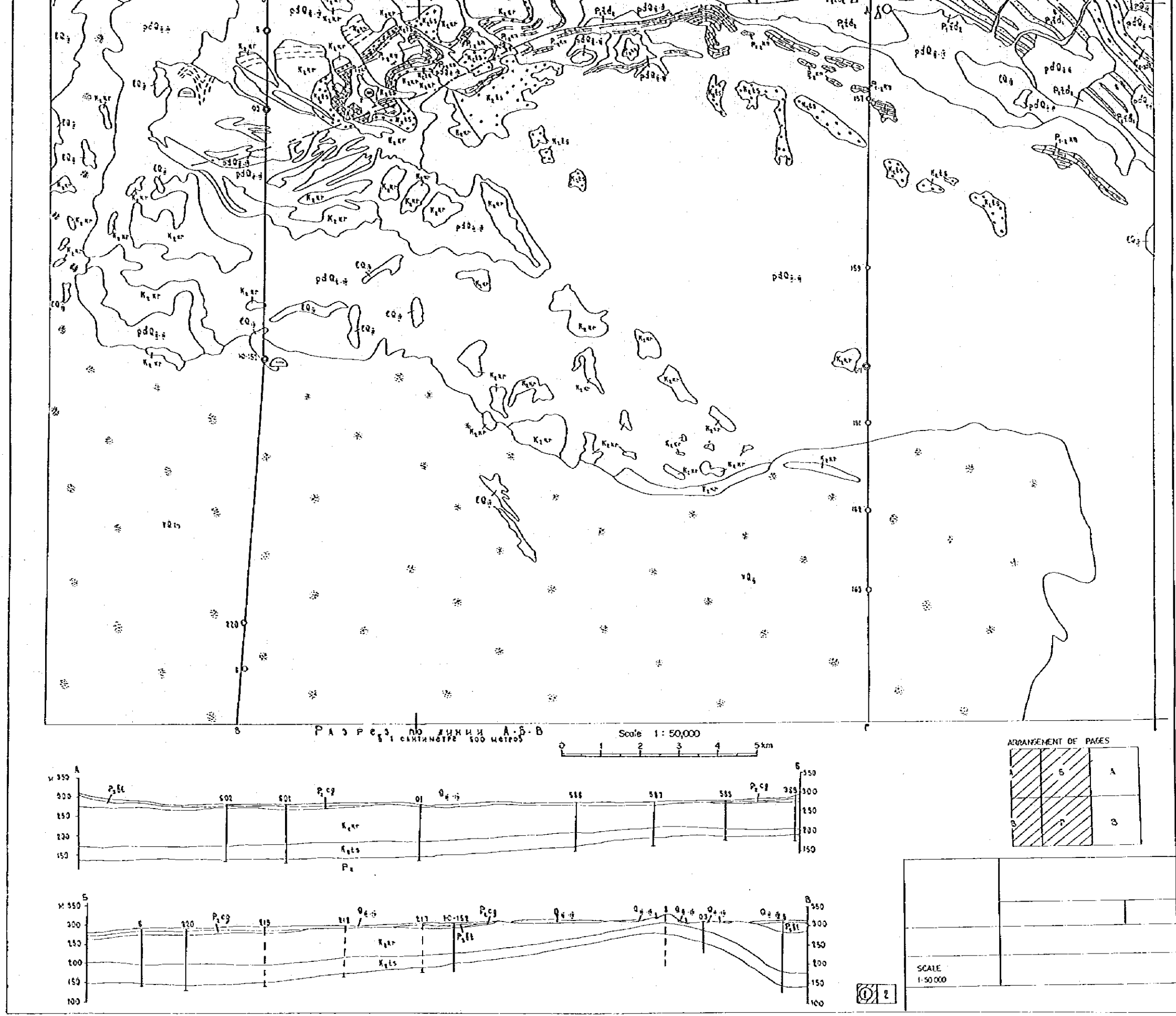
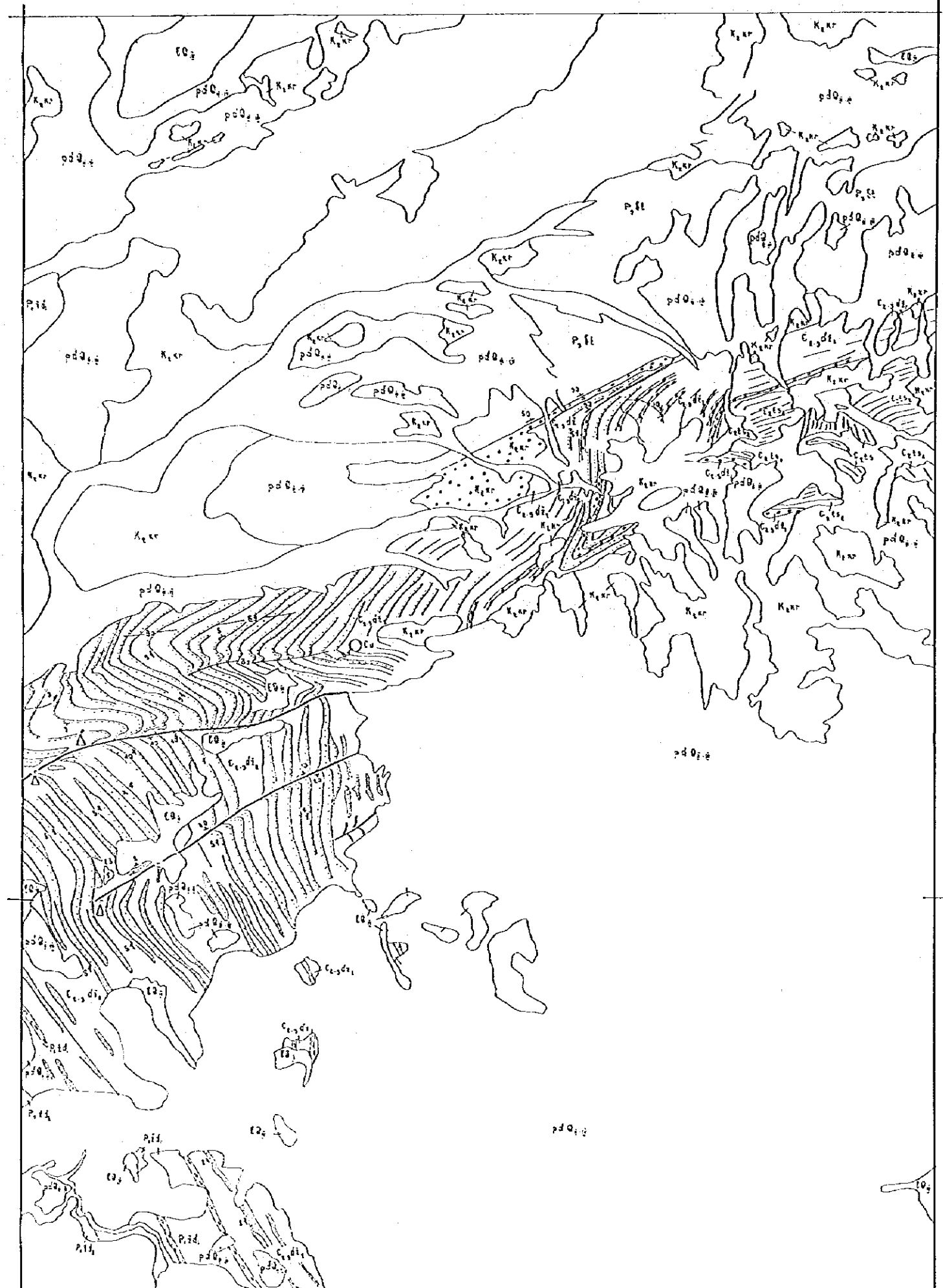


Plate III-1-3-1 Geological Map and Cross-Section of the Zhama-Aibat Area (Scale 1:50,000)



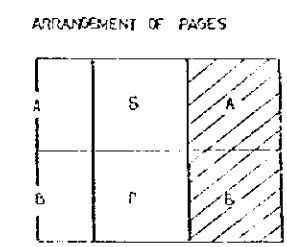
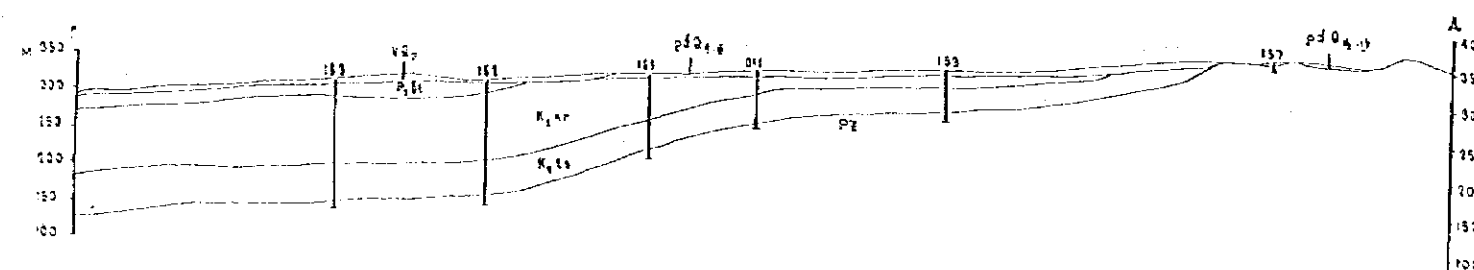
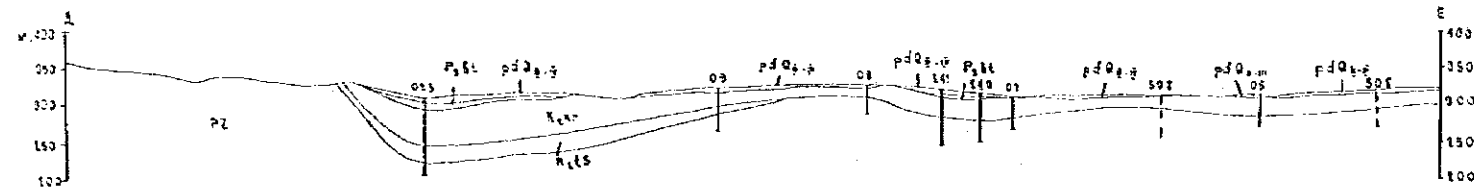
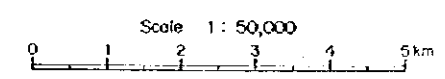
### LEGEND

- Quaternary System**
  - CO.iv Contemporary division: Takyr sediments, loam
  - pd0ii-v Upper Pleistocene-Holocene: Proluvium-deluvium sediments: sandy loam, loam
  - v0ii Upper Pleistocene: Eolian sediments, sand
  - pd0ii-w Middle-Upper Pleistocene: Proluvium-deluvium sediments: sandy loam, loam
- Cretaceous System**
  - P3st Paleogene system. Oligocene: Bo'pak-Dalin Formation
  - K2kr Clay of different colour sand, sandstone, thick horizon of gravel with remnants of burnt flora
  - K2ls Clay, sand, gravel, ferriginized gravel at the basement higher horizon of mica aleurolite with detritus (45m)
- Permian System**
  - P2sh Kingir Formation: Marl, limy aleurolite (150m)
  - P1zd2 Upper subformation: Bright lilac aleurolite with clean nests interlayers of gypsum anhydrite. Formations of rock salt on the west (190m).
  - P1zdr Lower subformation: Lilac red aleurolite, sandstone impregnation and strata of rock salt (610m)
- Carboniferous System**
  - C2sd2 Upper sub formation. Lilac aleurolite, sandstone, vein of selenite and nest of anhydrite (500m)
  - C2sd1 Lower sub formation. Lilac aleurolite, sandstone, gravel, conglomerate (460m)
  - C2ls Taskuduk Formation: Red aleurolite and spotty sandstone interlayers of intraformational conglomerate. Two horizons of flint in the lower part (940m)
  - C1vsS Upper Vizei substage - Serpukhov stage: Red and grey aleurolite and sandstone, interlayers of limestone with fauna (340m).
- MZ-KZ Mesozonic - Cenozoic deposition non-segmented (only in section).
- PZ Paleozoic deposition (only in section).
- Conglomerate
- Gravel
- Sandstone
- Aleurolite
- Marl
- Bante vein
- Occurrence of strata and surfaces of ruptured fault
  - + Horizontal
  - ∨ Dipped
- Border of stratigraphic sections of different ages
  - a. Authentic
  - b. Supposed
  - c. According to seismic data (only on geologic sections)
- Ruptured fault
- Supposed
- Flexures
- On geological maps
- 1. Exploration mapping drillhole
- 2. Mapping drillhole



- Marl
- Barite vein
- Occurrence of strata and surfaces of ruptured fault
- Horizontal Dipped
- Border of stratigraphic sections of different ages
  - a. Authentic
  - b. Supposed
  - c. According to seismic data (only on geologic sections)
- Ruptured fault
- Supposed
- Flexures
- On geological maps
- 1. Exploration mapping drillhole
- 2. Mapping drillhole

- Copper
- Sand
- Salt
- Copper
- Oil
- Bitumen
- Copper
- Rodusita asbestos
- Nitrogen, helium

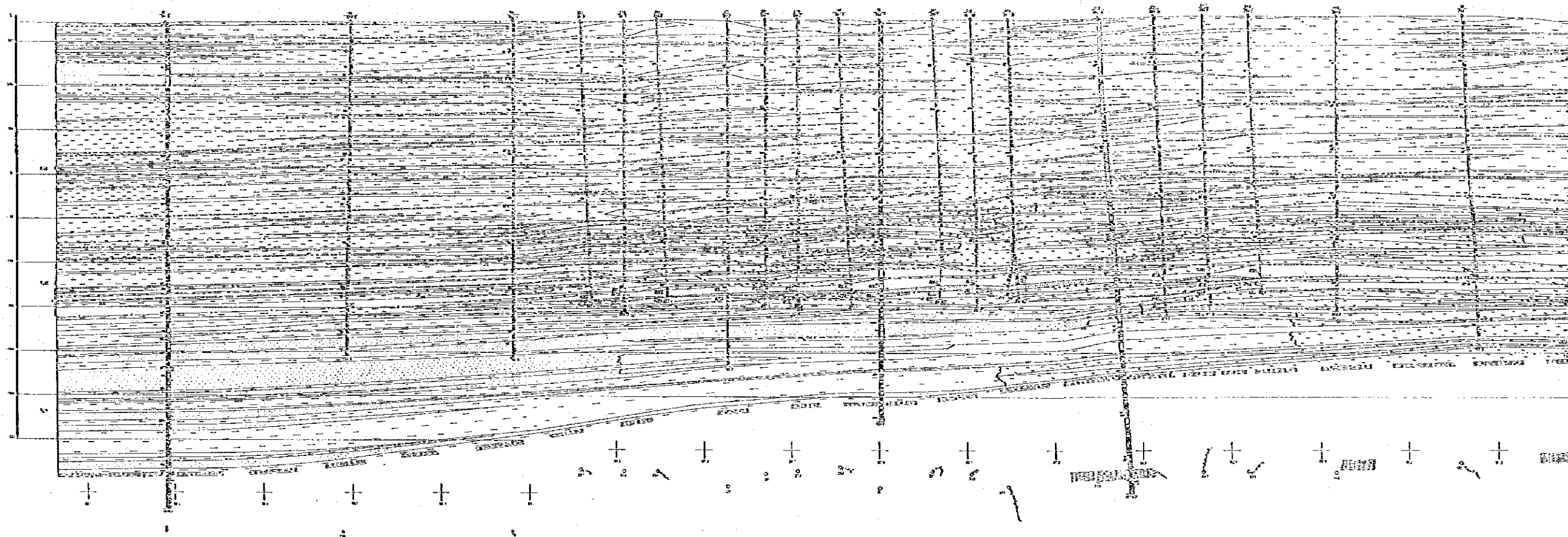



SCALE  
1:50,000

Plate III-1-3-2 Geological Map and Cross-Section of the Zhaman-Aibat Area (Scale 1:50,000)

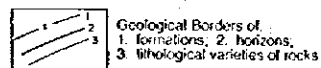
Originally Prepared by Zhezkazgan Geological Exploration Expedition



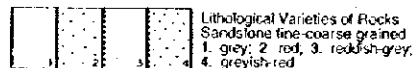


## LEGEND

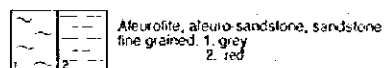
- Carboniferous System
- Pzd** Lower Permian Zheleznaiya Formation
  - Cdz** Upper Carboniferous Zhezkazgan Formation
  - Cts** Middle Carboniferous Taskuduk Formation
  - Cv-s** Lower Carboniferous Vize-Serpukhov Stage



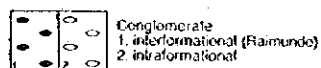
Geological Borders of:  
1. formations, 2. horizons,  
3. lithological varieties of rocks



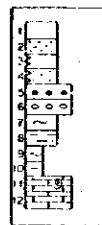
Lithological Varieties of Rocks  
Sandstone fine-coarse grained  
1. grey, 2. red, 3. reddish-grey,  
4. greyish-red



Aleurite, aleuro-sandstone, sandstone  
fine grained. 1. grey  
2. red

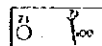


Conglomerate  
1. interformational (Raimundo)  
2. intraformational

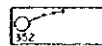


Lithological Varieties (for wells penetrating C1v-s organogenious limestone only)

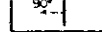
1. Grey fine-grained sandstone
2. Red fine-grained sandstone
3. Reddish-grey fine-grained sandstone
4. Greyish-red fine-grained sandstone
5. Conglomerates interformational (Raimundo)
6. Conglomerates intraformational
7. Aleuro-sandstone and sandstone fine-grained grey
8. Aleuro-sandstone and sandstone fine-grained red
9. Aleurite grey
10. Aleurite red
11. Organogenious limestone
12. Pellicomorphous limestone



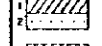
Exploration well with No. 100



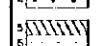
Horizontal projection of well



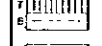
Angle of lamination or contact of rocks at core longer axis



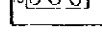
Copper ore: 1. balance, 2. off-balance



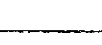
Complex ore: 3. balance, 4. off-balance



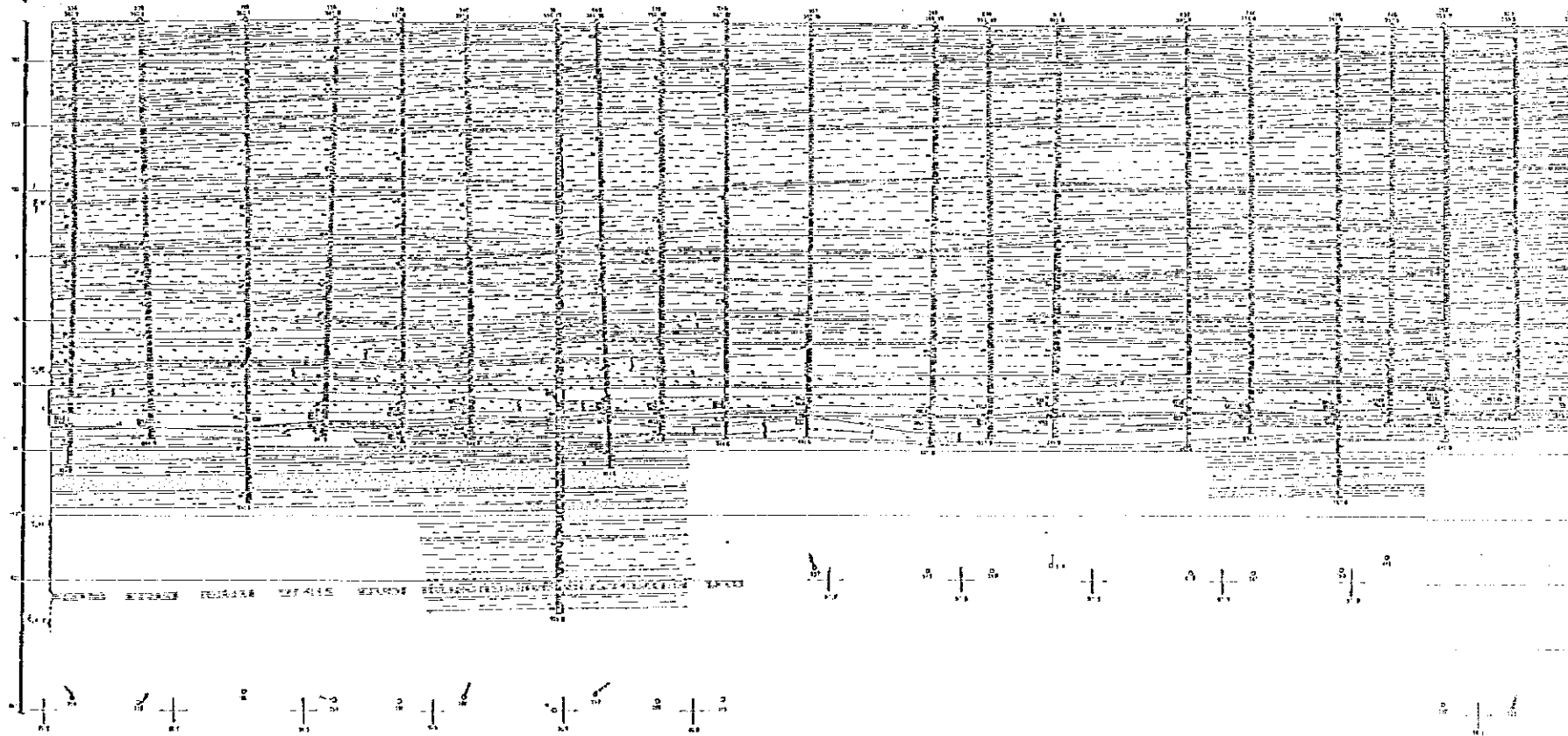
Lead ore: 5. balance, 6. off-balance

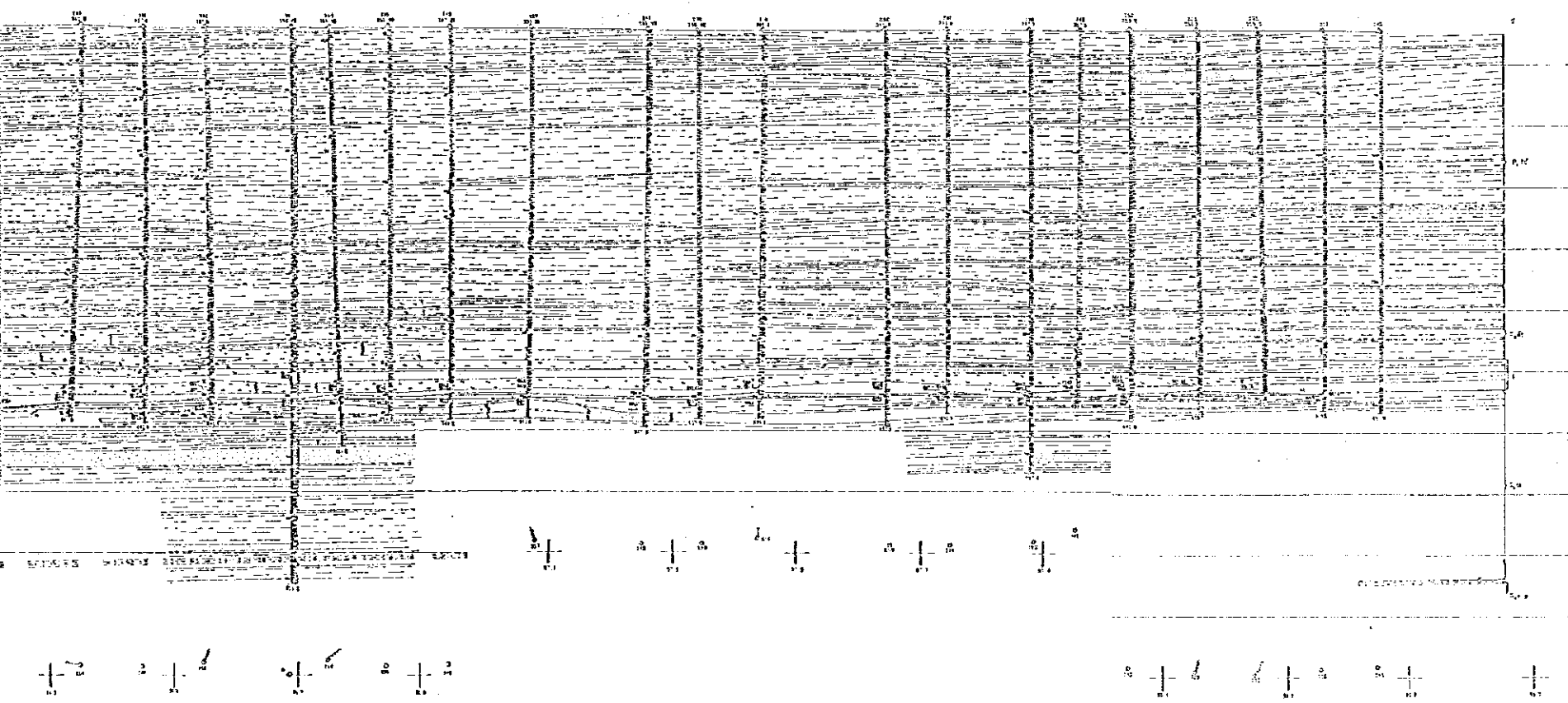
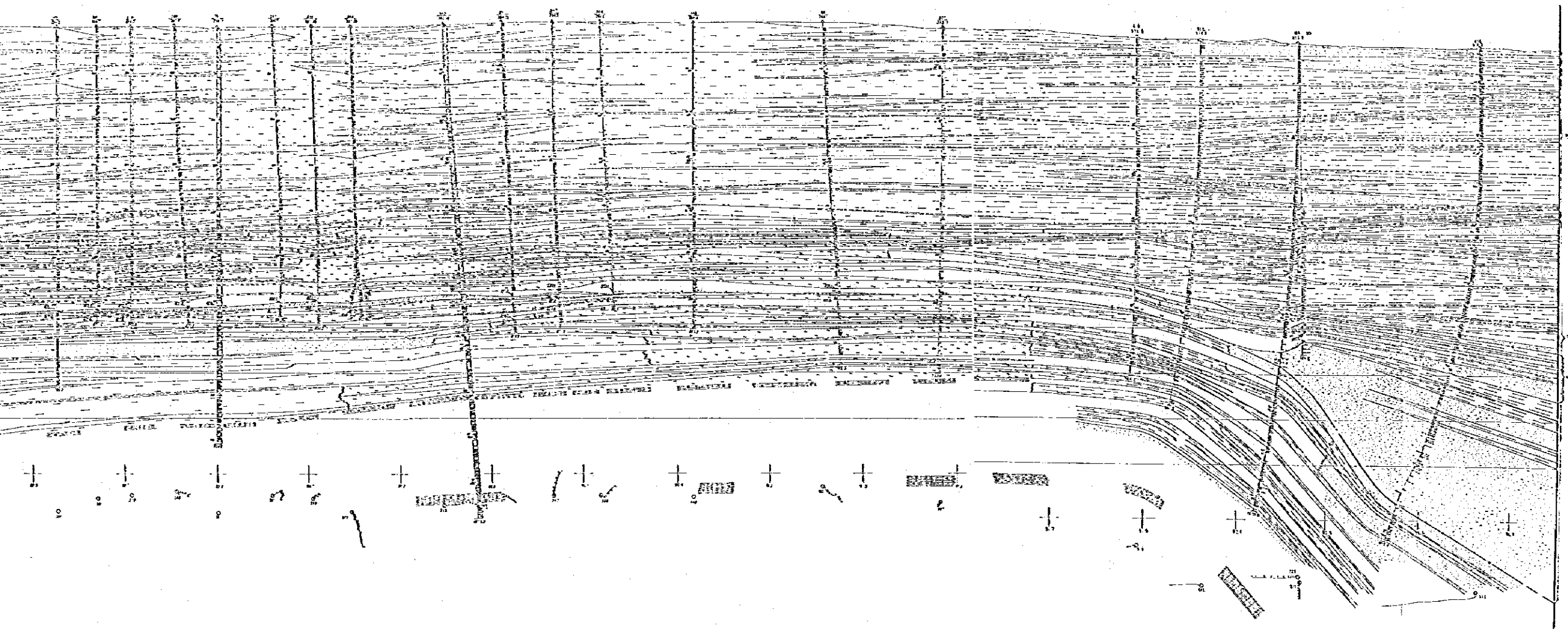


Zinc ore: 7. balance, 8. off-balance



Silver-containing ore: 9. balance, 10. off-balance



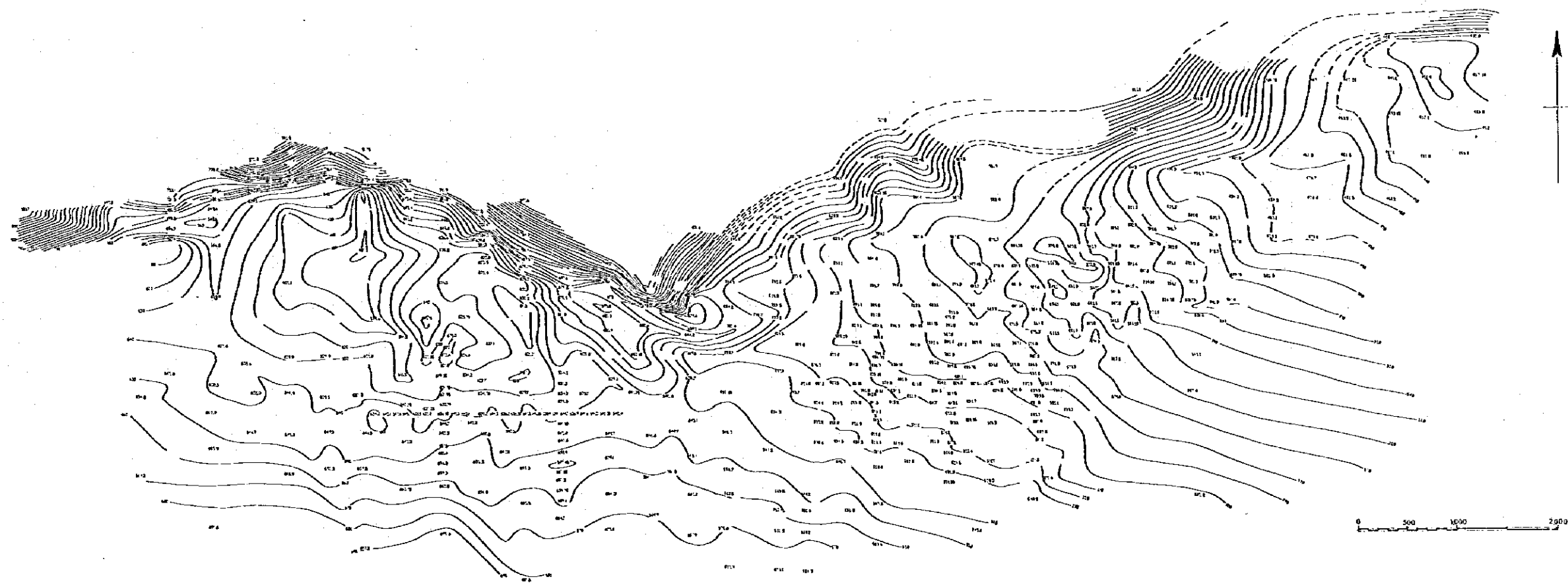


Scale 1:5,000  
0 100 200 300 400 500m

Plate III-1-3-3 Geological Cross-Section along the N-S line 195 and the E-W line 29 (Scale 1:5,000)

Originally Prepared by Zhezkazgan Geological Exploration Expedition





Originally Prepared by Zhetysayn Geological Exploration Expedition

Plate III-1-3-4 Contour Map of the Depth to the Base of Taskuduk Formation (Scale 1:25,000)

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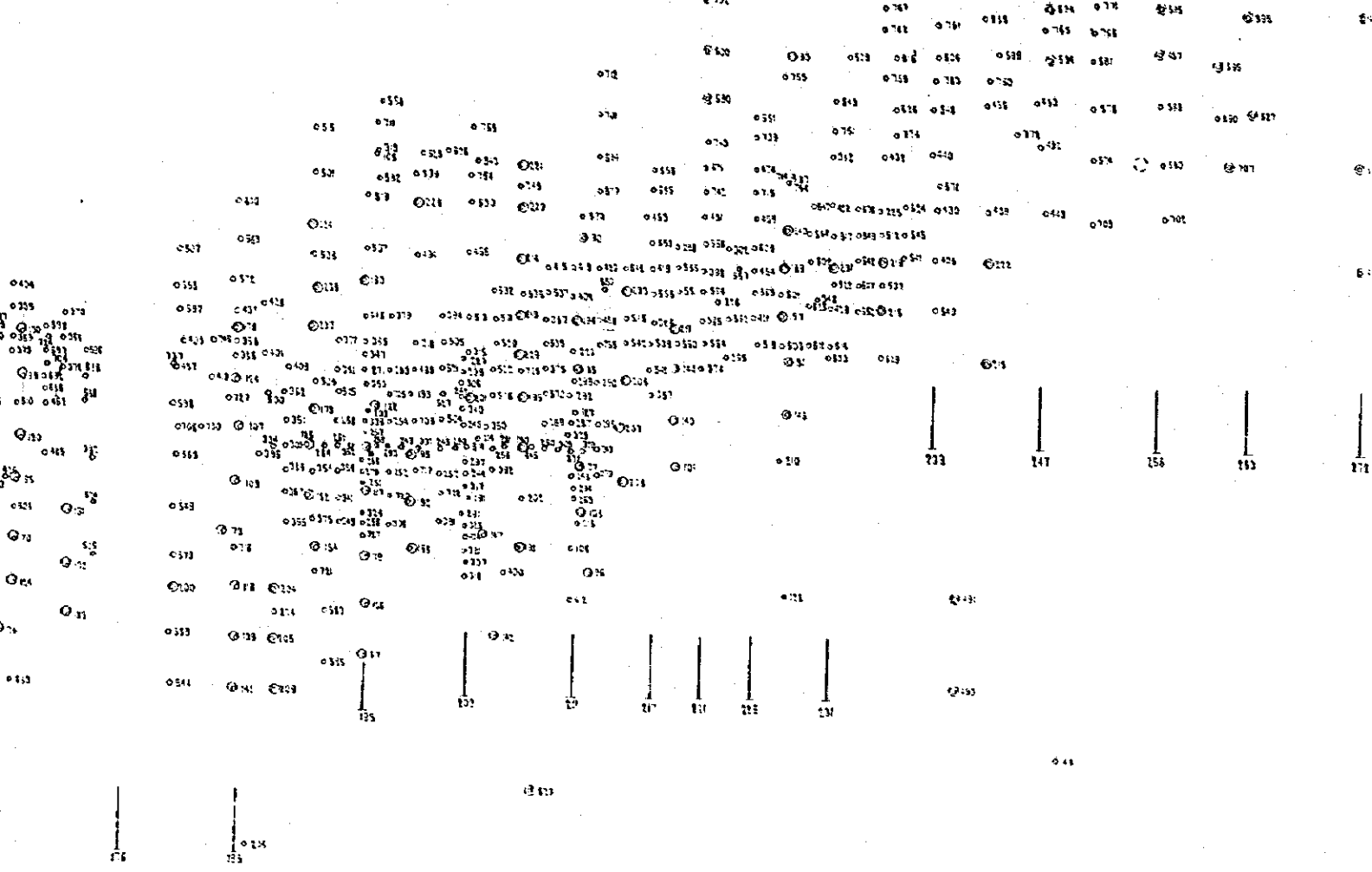
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

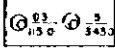




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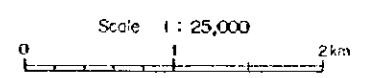
0 590



**Legend**

**Drillings**

-  As per general prospecting projects (1961 - 89) and prospecting (1985 - 87)
-  Prospecting estimation (Zhaman-Aibat 1987 - 89)
-  Drillings completed by CPSE according to the project of "Deep Geological Mapping and Geological Survey at the Scale 1:50,000" in 1988 - 92  
1 Prospecting mapping      2 Mapping
-  Prospecting (Berkutik project, 1989 - 94)
-  Exploration drillings as per exploration project (Taskurleskaya Geological exploration party)
-  Benchmark drilling
-  Exploration lines



Originally Prepared by Joint Stock Company "Zhelezgangeologiya"  
**Plate III-1-4-1 Drilling Location Map of the Zhaman-Aibat Area (Scale 1:25,000)**









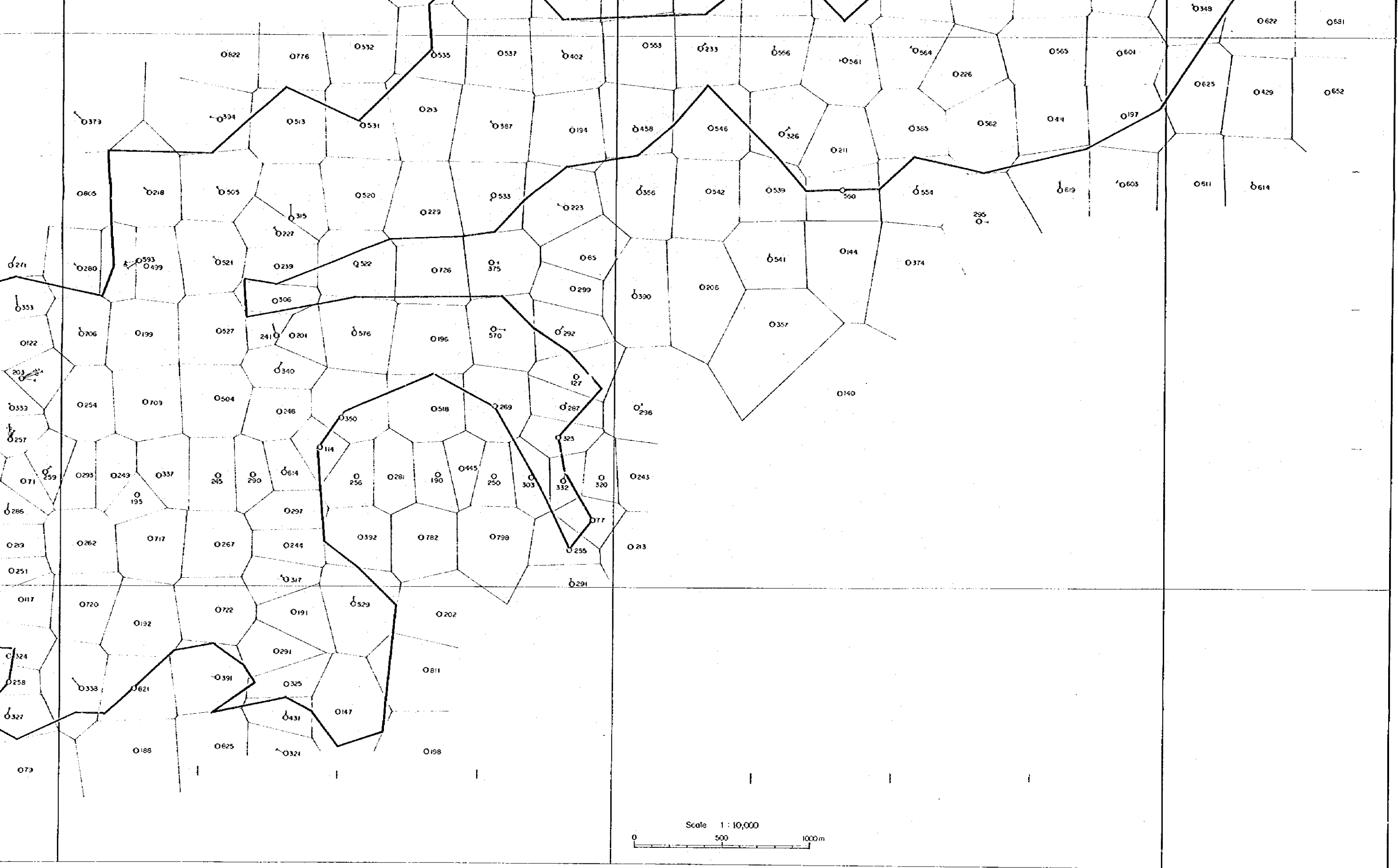
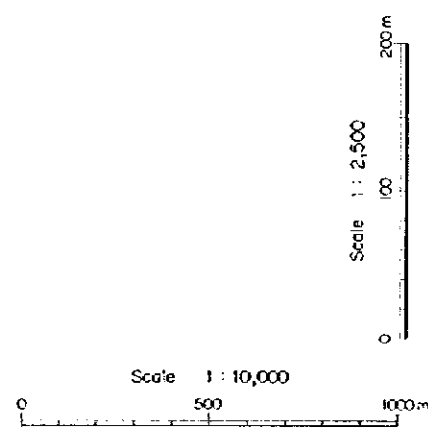
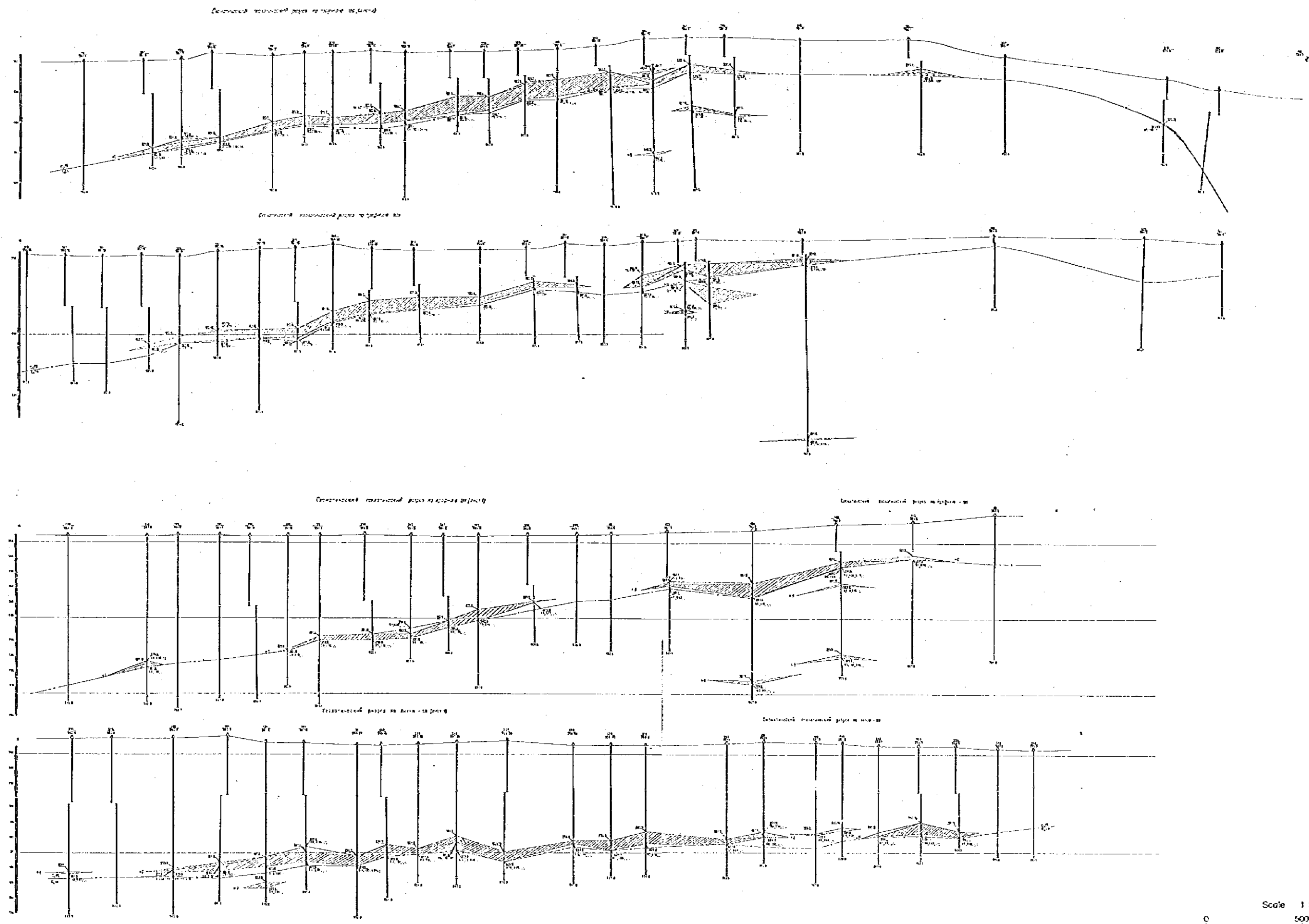


Plate III-1-4-2 Block-A Orebody and its Polygonal Sub-Blocks (Scale 1:10,000)



Originally Prepared by Zherkargan Geological Exploration Expedition  
 Plate III-1-4-3 Cross-Section of Block-A Orebody along the NS Line 195 and the EW Line 29







9.2

87.6

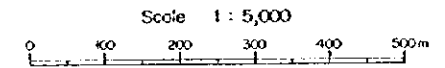
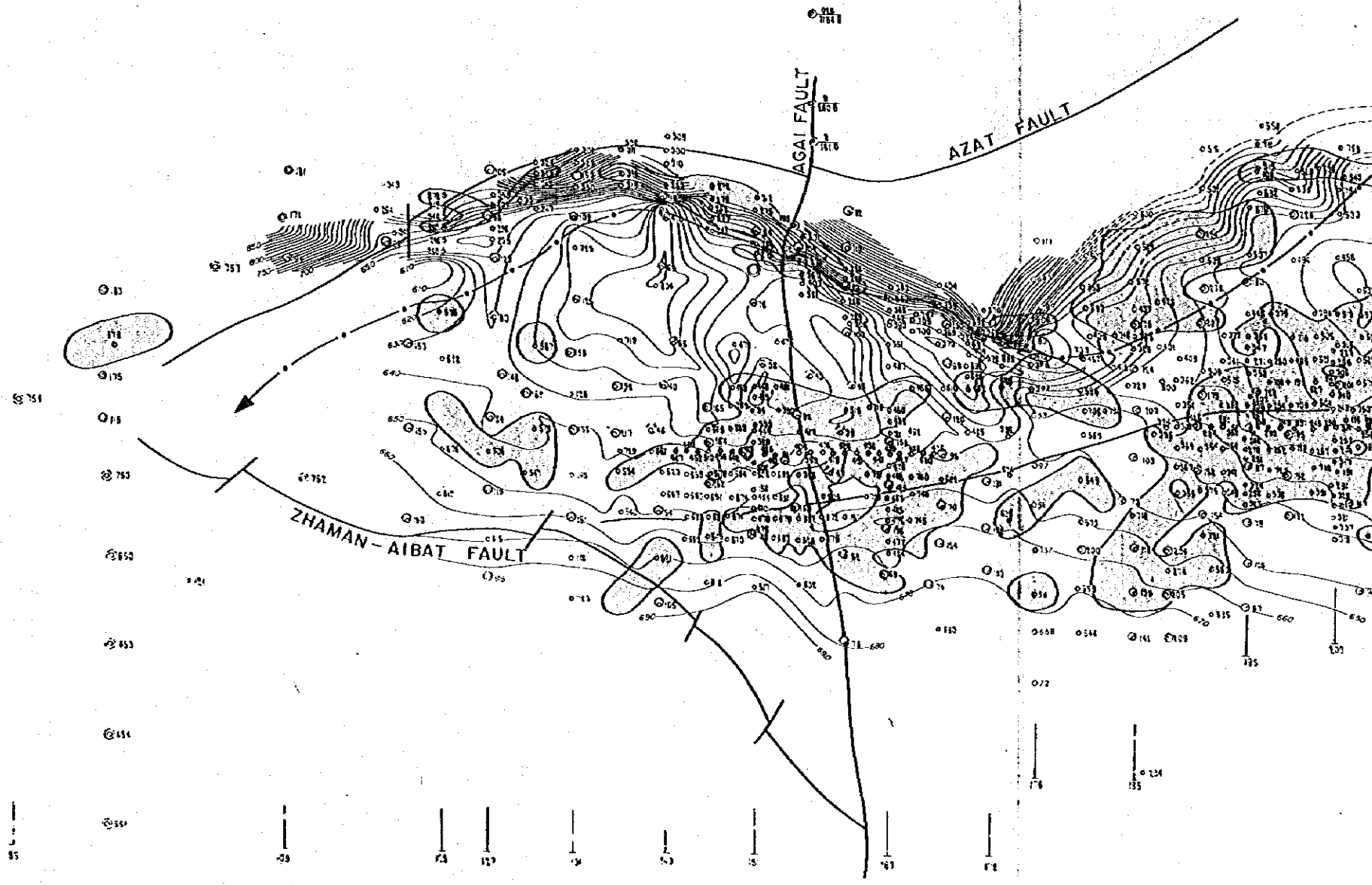


Plate III-1-4-4 The Interpretation Map for the Result of





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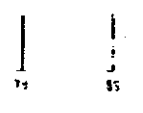
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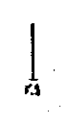
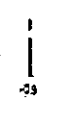
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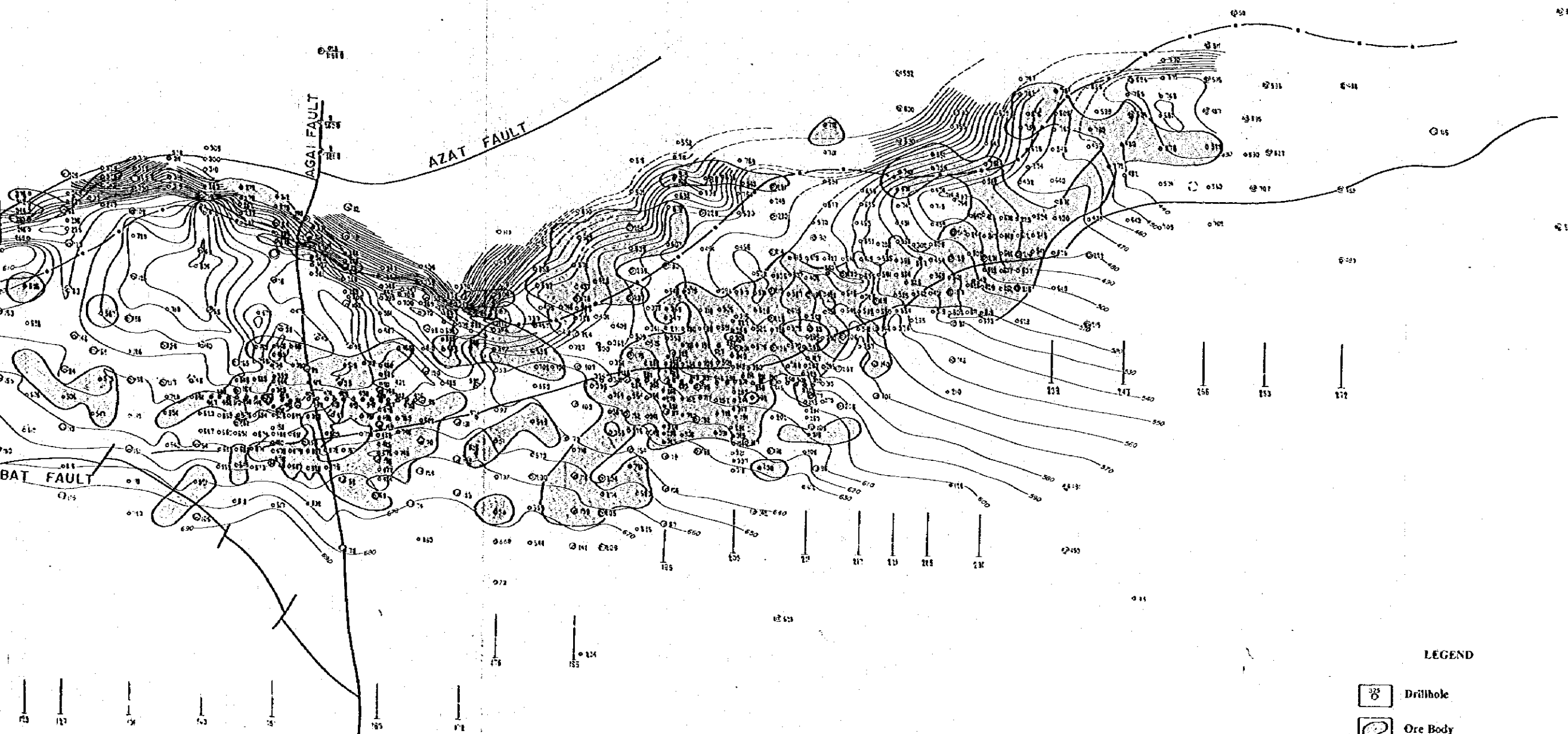


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**LEGEND**




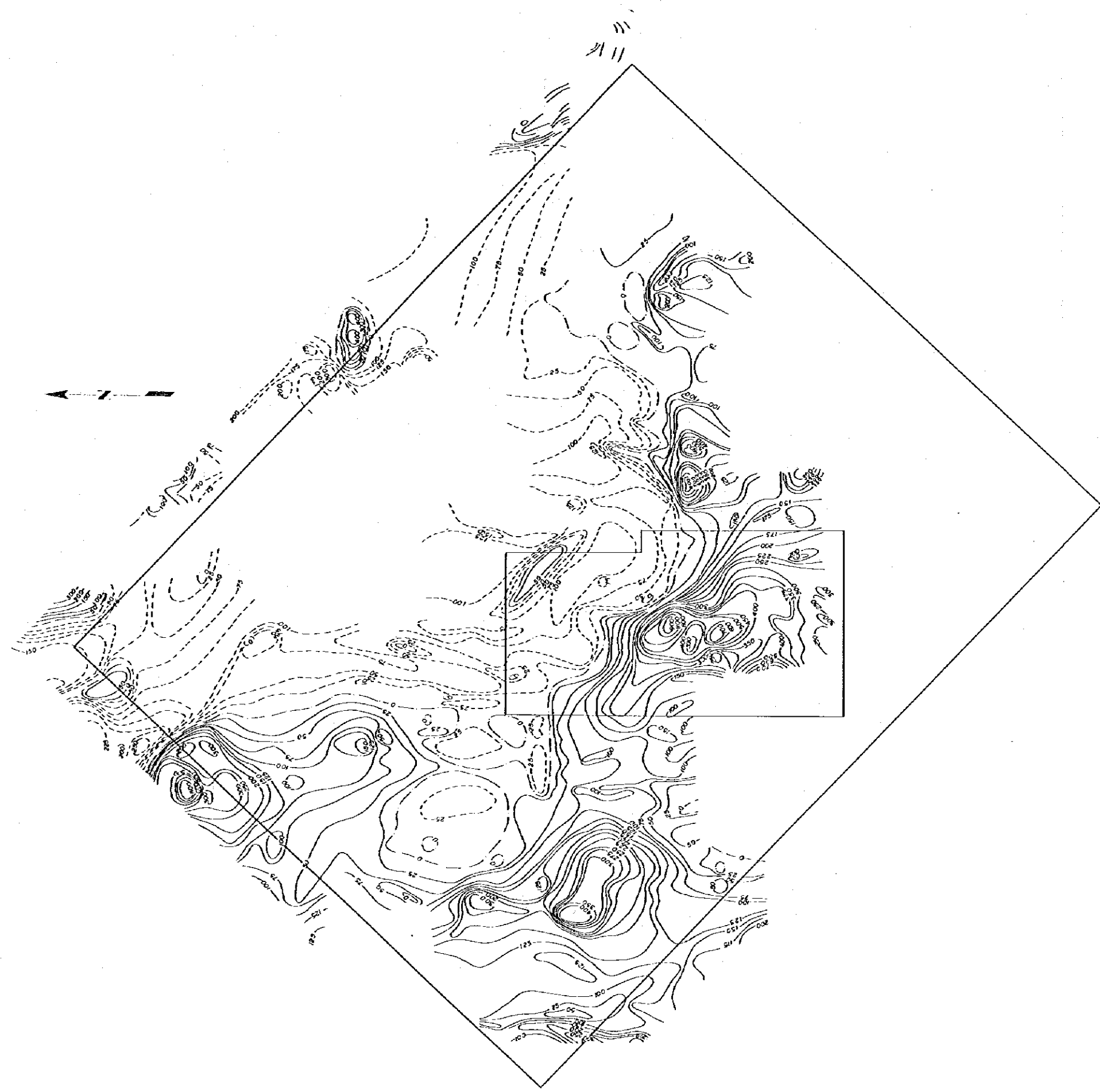
-  Drillhole
-  Ore Body
-  Meridian Line & No.

Plate III-1-4-5 Compiled Map of the Previous Data in the Zhaman-Aibat Area (Scale 1:25,000)

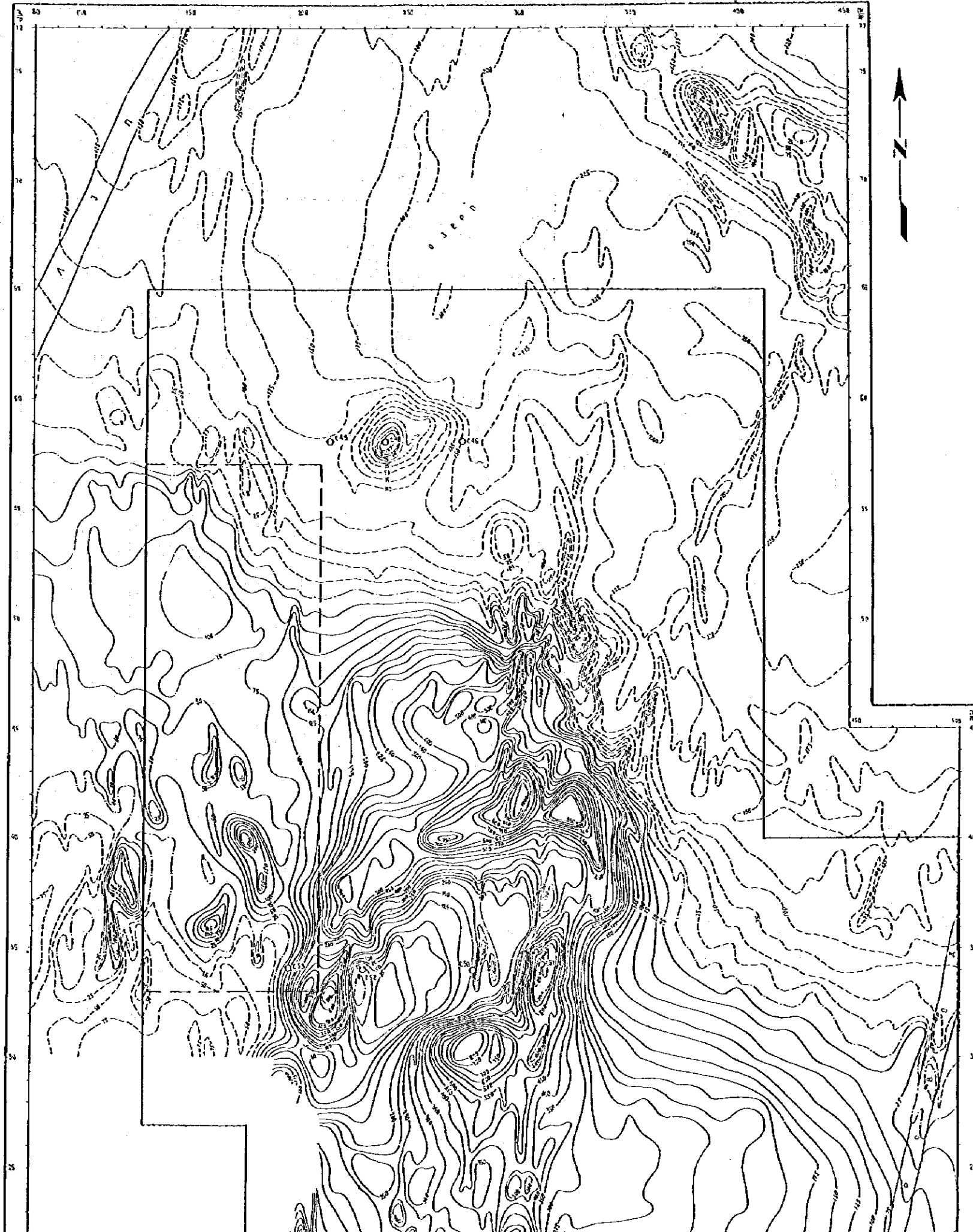
Magnetic Map in the Samarsky Area

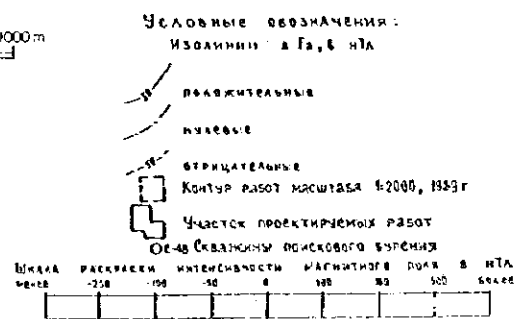
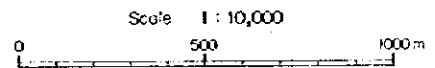
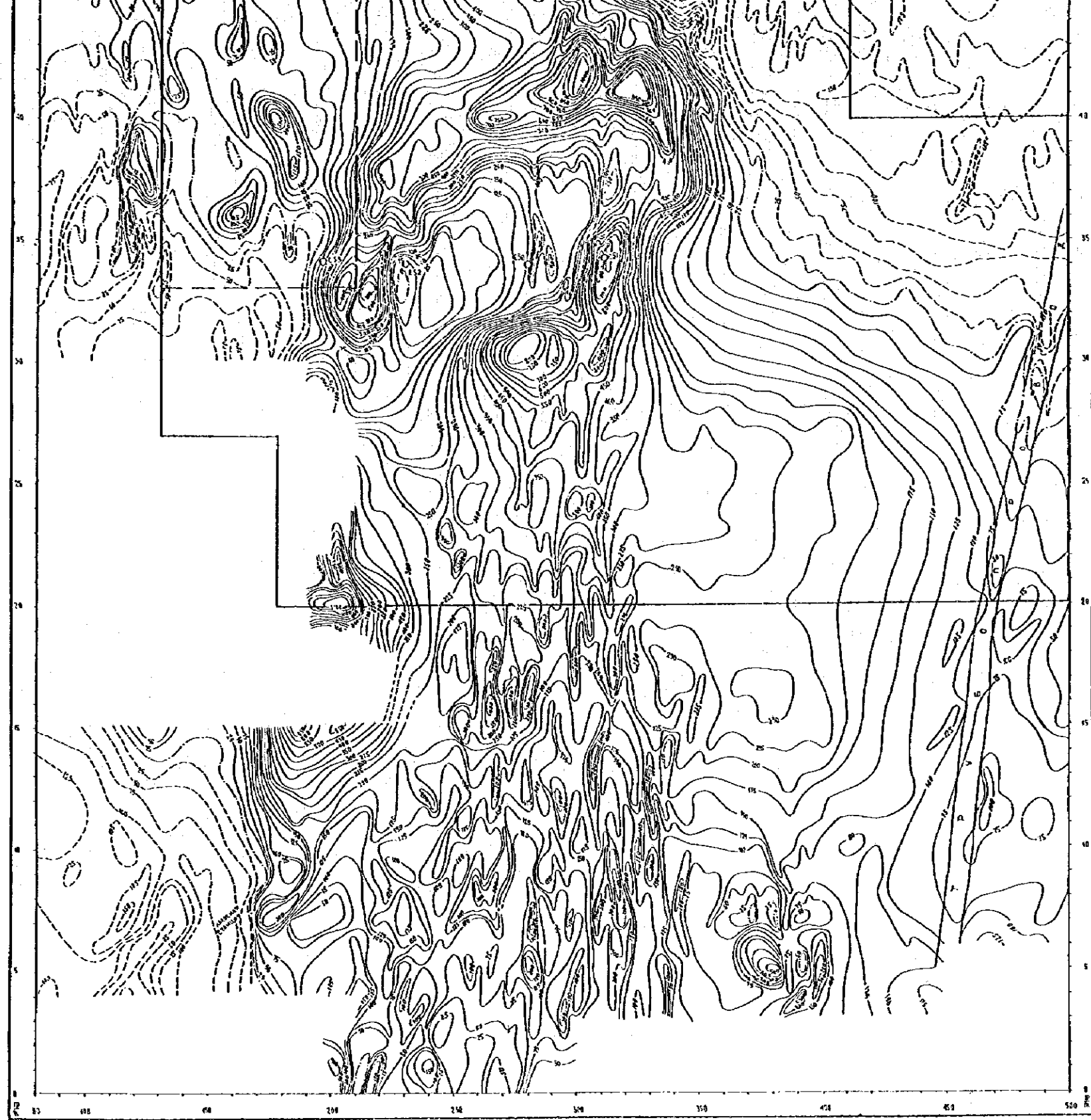


Центральная полюсная экспедиция	Ступь с региональных геомагнитных работок масштаба 1:50 000 на площади Аляска, Канада, Гренландия, Гватемала, -42-1-4, -40-1-13-1, -41-1-13-1, -41-1-13-1
Ответственный исполнитель	А.З. Шенников 1994
Геомагнитная лента	КАРТА ИЗОЛИНИЙ ДТ М-43-62-Б-4; М-43-62-Г-4; М-43-63-А-1; М-43-63-Б-2
Масштаб 1:50 000	
Составил: В.С. Шенников	Проф. А.М. Шенников
Чертил: Т.С. Шенников	Инж. А.Н. Шенников

Plate III-2-2-1 Magnetic Map in the Samarsky Area  
Originally Prepared by Central Research Geophysical Expedition

# Magnetic Map in the Samarsky Deposit Area





Центральная поисково- съемочная экспедиция	Ответственный исполнитель
	КАРТА ИЗОЛИНИЙ ΔT Участок Самарский
Приложение Лист 1	
Масштаб 1:10 000	
Составил: нач. партии Чертая: техник Вятт	Д.Г. Смольничков А.Н. Серванская

Plate III-2-2-2 Magnetic Map in the Samarsky Deposit Area (Scale 1:10,000)  
Originally Prepared by Central Research Geophysical Expedition

Л. 2-2-2