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*The geology and geochemistry of the ultrabasic rocks
ad associated chromite deposits of the
andizlik-zimparalik area, fethiye, southwest Turkey*

T. Engin

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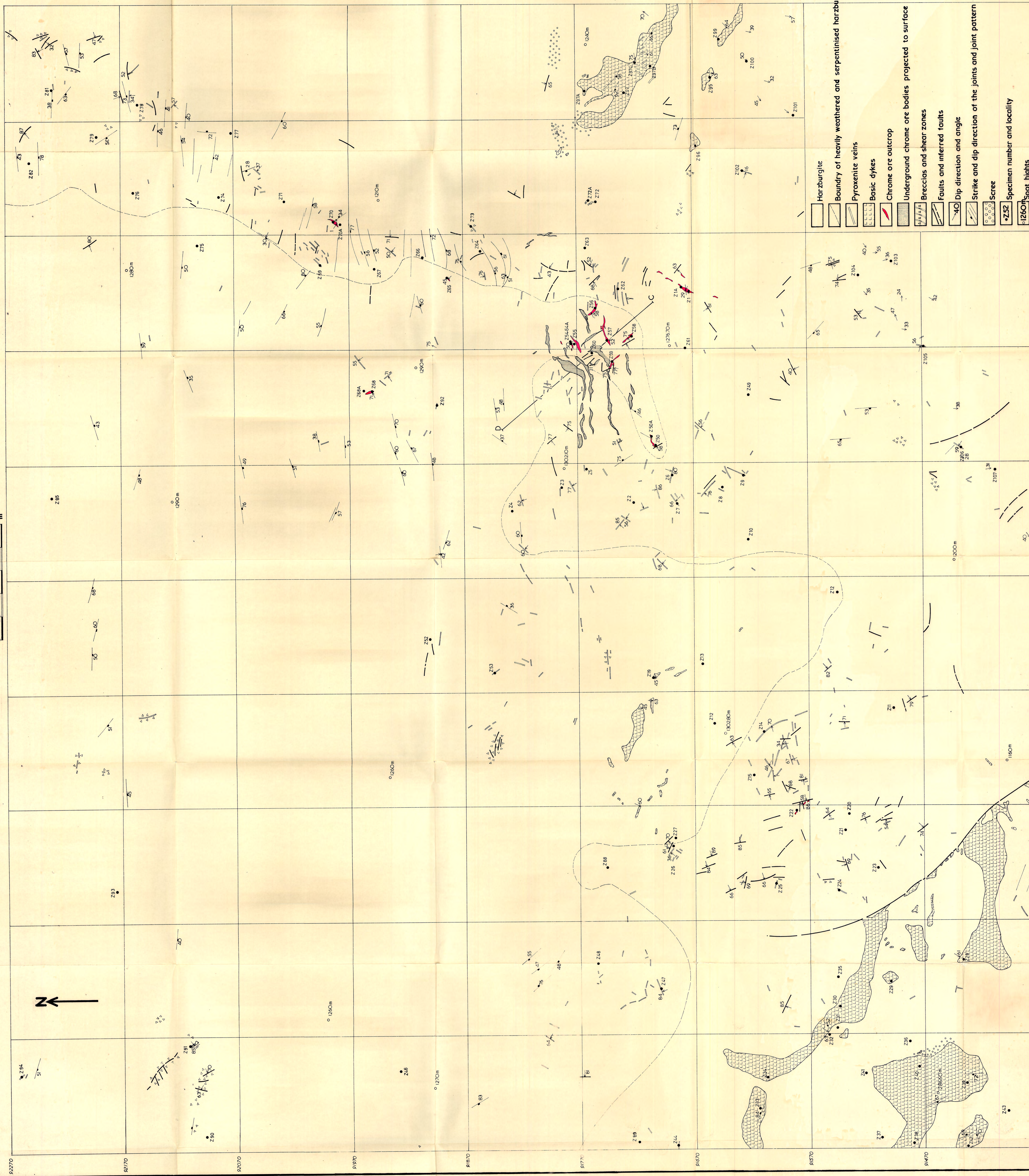
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DETAILED SURFACE GEOLOGY OF THE ZIMFARALIK MINE AREA

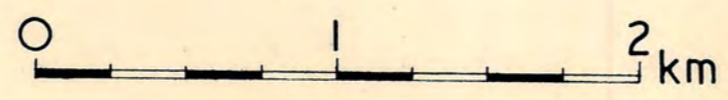
0 20 40 60 80 100 m



- Harzburgite
- Boundary of heavily weathered and serpentinized harzburgite
- Pyroxenite veins
- Basic dykes
- Chromite ore outcrop
- Underground chromite ore bodies projected to surface
- Breccias and shear zones
- Faults and inferred faults
- Dip direction and angle
- Strike and dip direction of the joints and joint pattern
- Scree
- Specimen number and locality
- Spot heights

GENERAL GEOLOGY OF THE ANDIZLIK ZIMPARALIK AREA

FIG.4

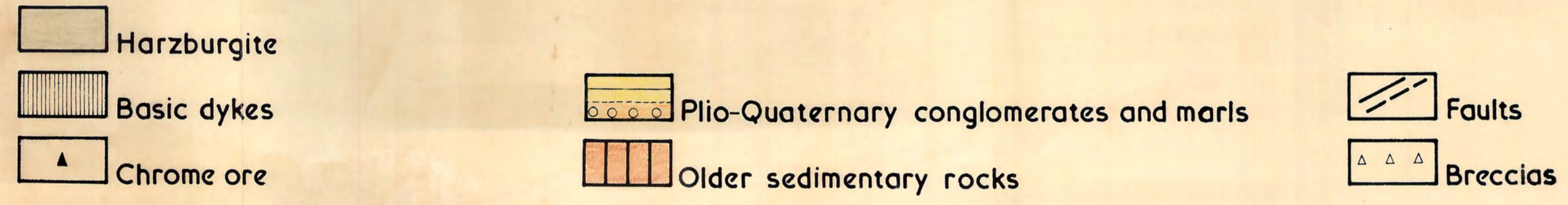
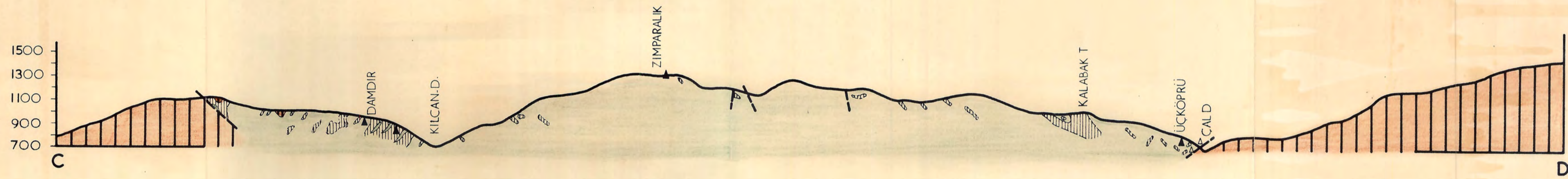


- al Alluvium
- Marls
- Conglomerates
- Limestone, flysch Eocene Miocene
- Limestone Upper Cretaceous
- Limestone Lower Cretaceous Upper Jurassic
- Dolomitic limestone quartzite arkose Triassic
- Limestone Permian Permo Carboniferous
- X X X R Radiolarian chert
- Am Amphibolite
- Mg Magnesite
- Basic dyke
- Peridotite
- Individual chromite outcrop
- Group of chromite outcrops
- Breccias
- 45 Dip direction and angle
- Lineation
- Joints
- Faults
- Spot height

SEDIMENTARY UNITS IN THE SOUTH WERE MODIFIED FROM AN UNPUBLISHED MAP BY P.de GPACIANSKY (personal communication)

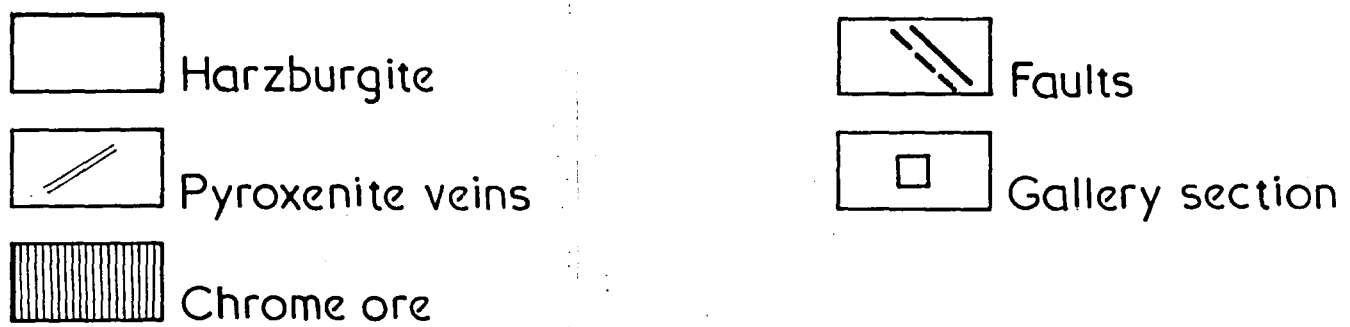
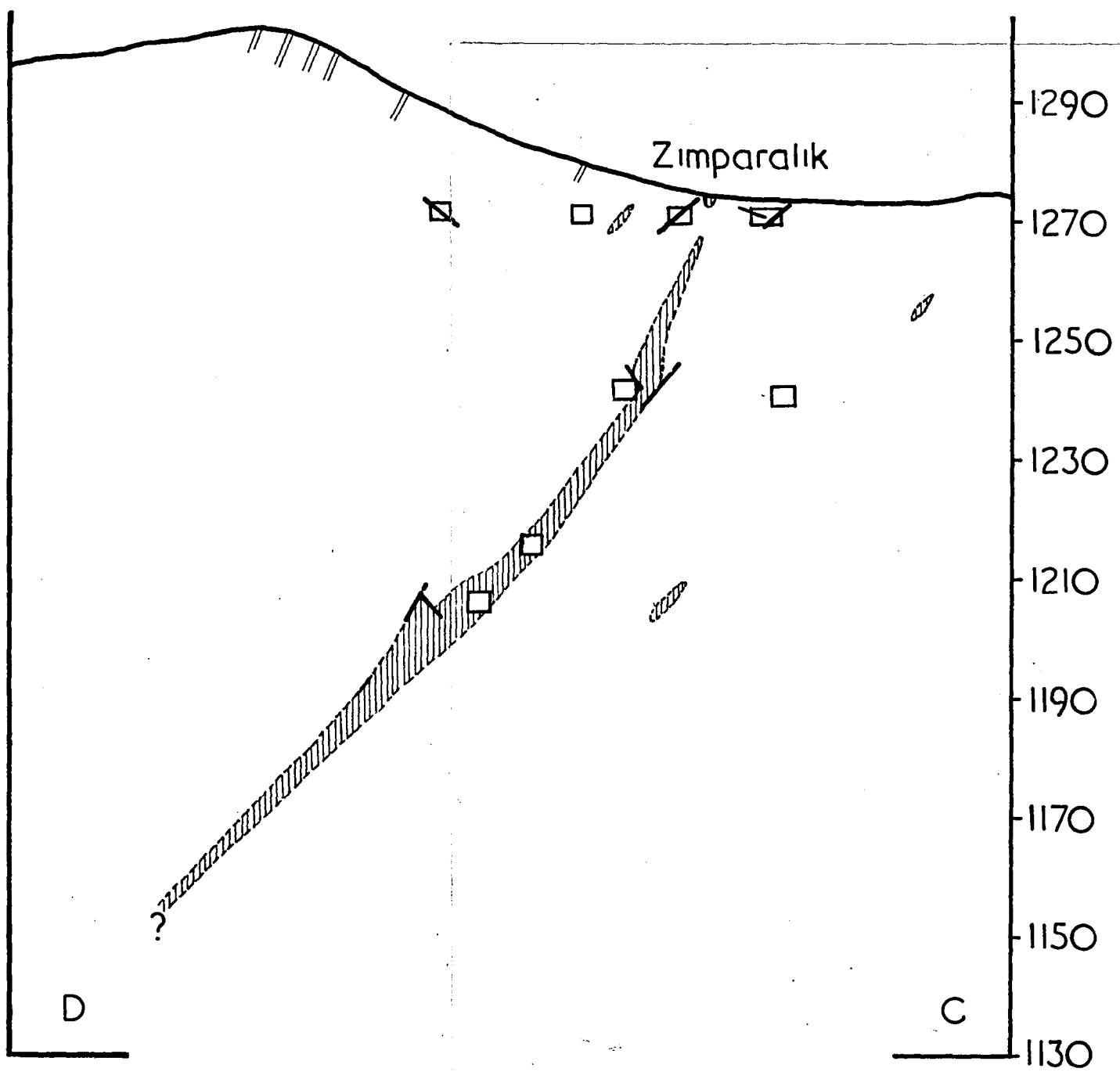
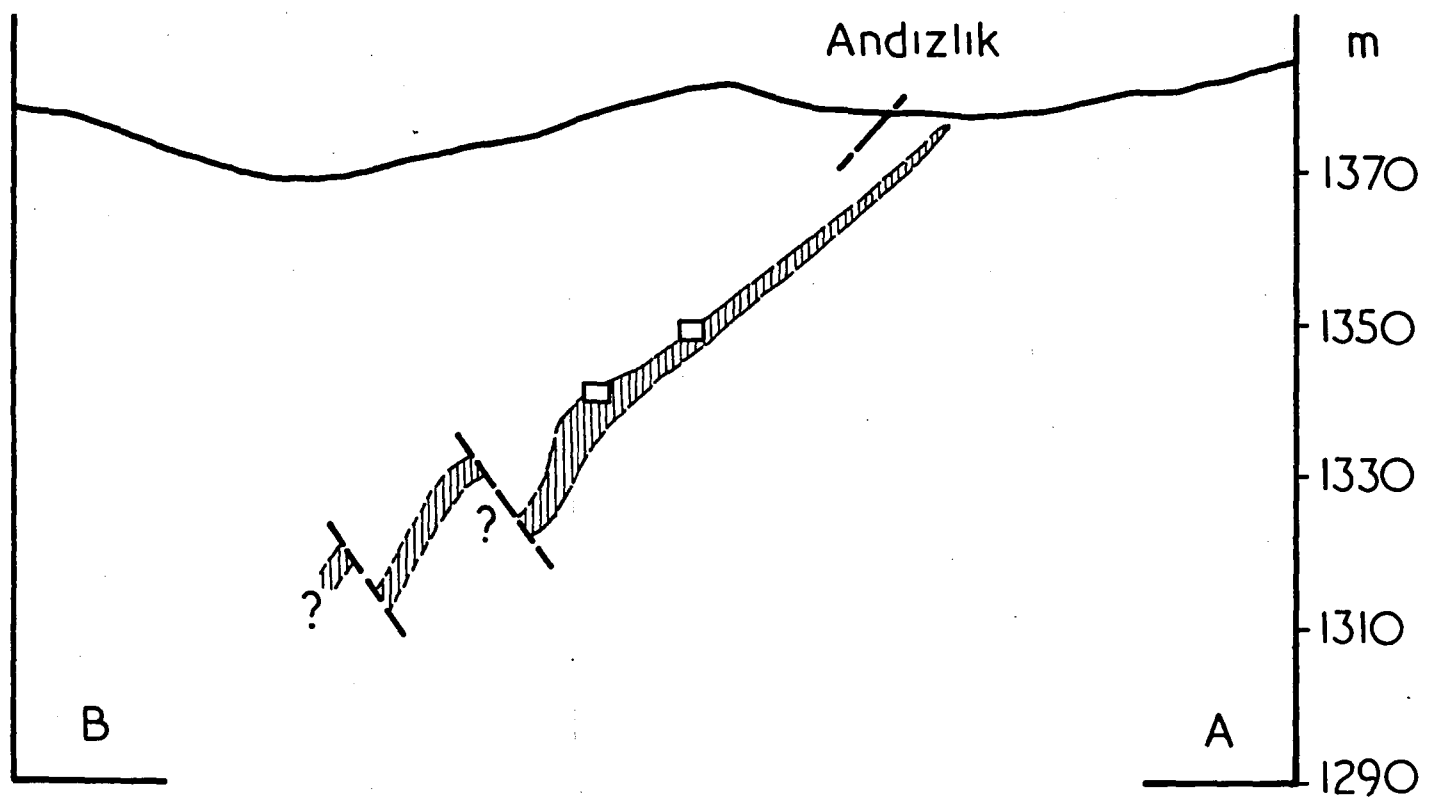
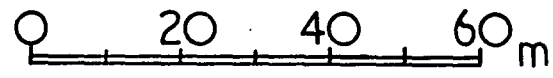
CROSS SECTIONS FROM THE ANDIZLIK_ZIMPARALIK AREA

FIG. 4A



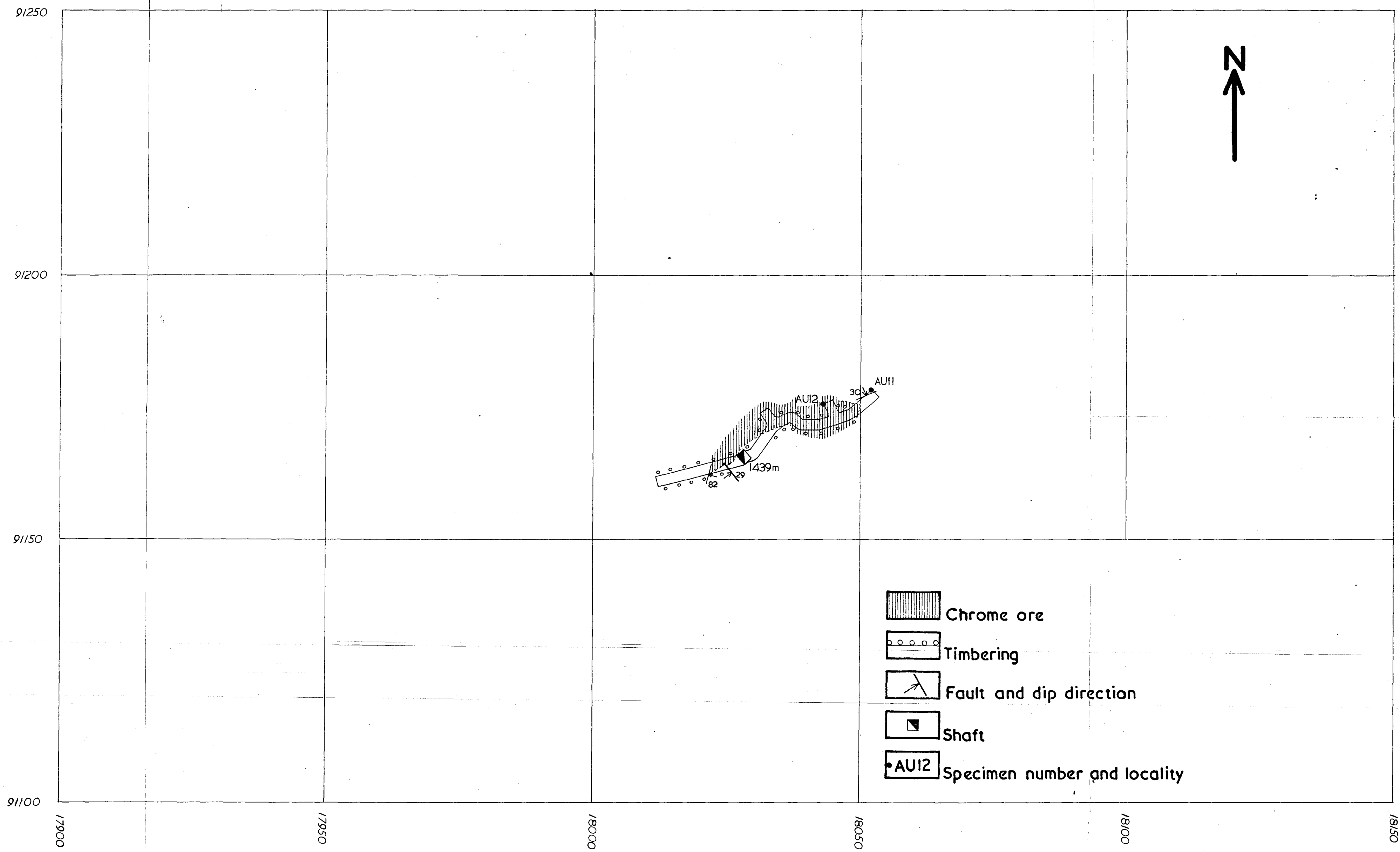
SUBSURFACE CONTINUATION OF CHROME ORES IN GALLERIES AND BOREHOLES IN THE ANDIZLIK AND ZIMPARALIK MINES


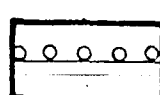



FIG.6E



DISPOSITION OF CHROME ORE BODIES IN THE 1439m SUB LEVEL AT THE ANDIZLIK MINE FIG.5C

0 10 20 30 40 50 60 70 80 90 100m

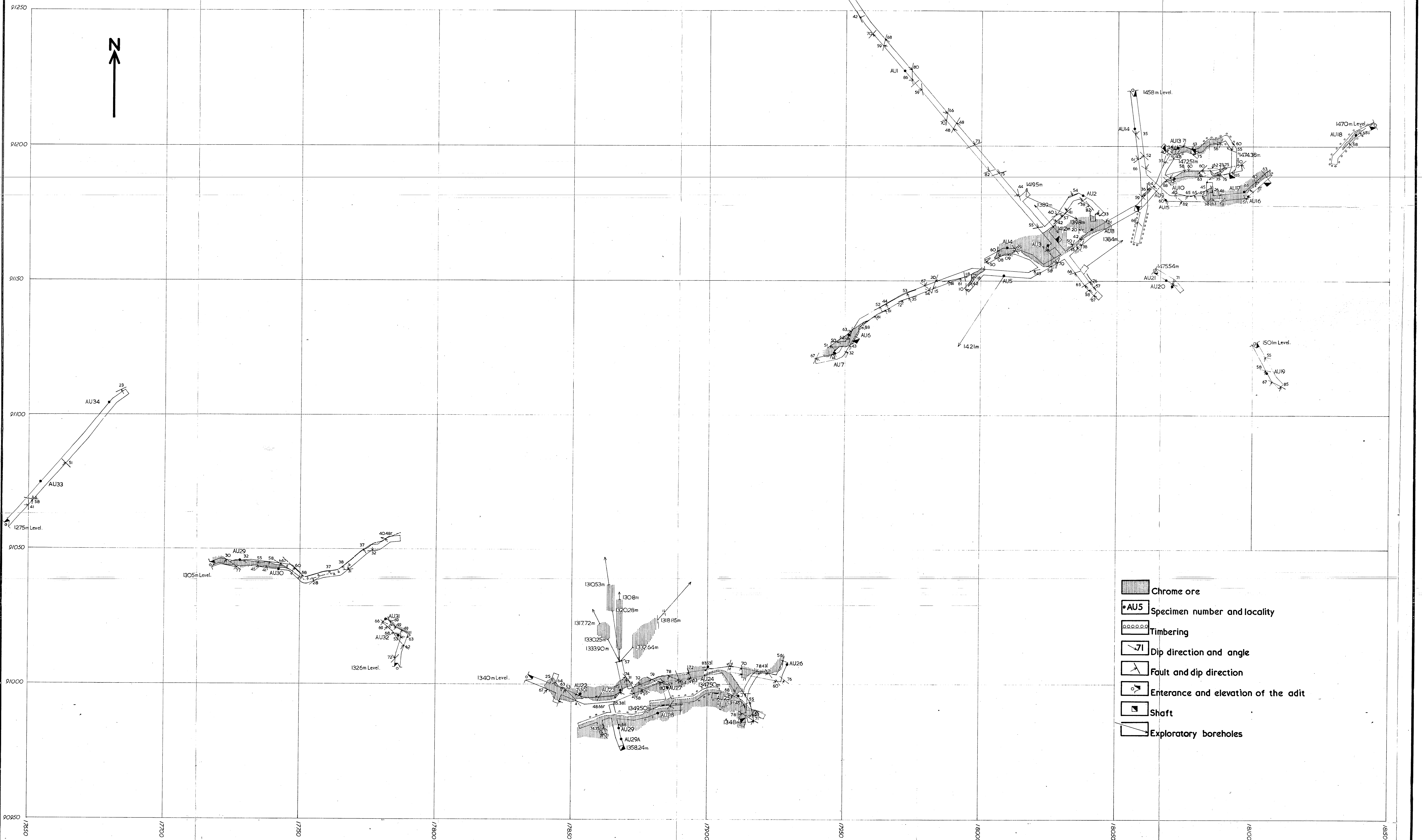




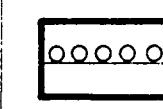





-  Chrome ore
-  Timbering
-  Fault and dip direction
-  Shaft
-  Specimen number and locality

DISPOSITION OF CHROME ORE BODIES IN THE UNDERGROUND WORKINGS AT THE ANDIZLIK MINE

FIG.5B

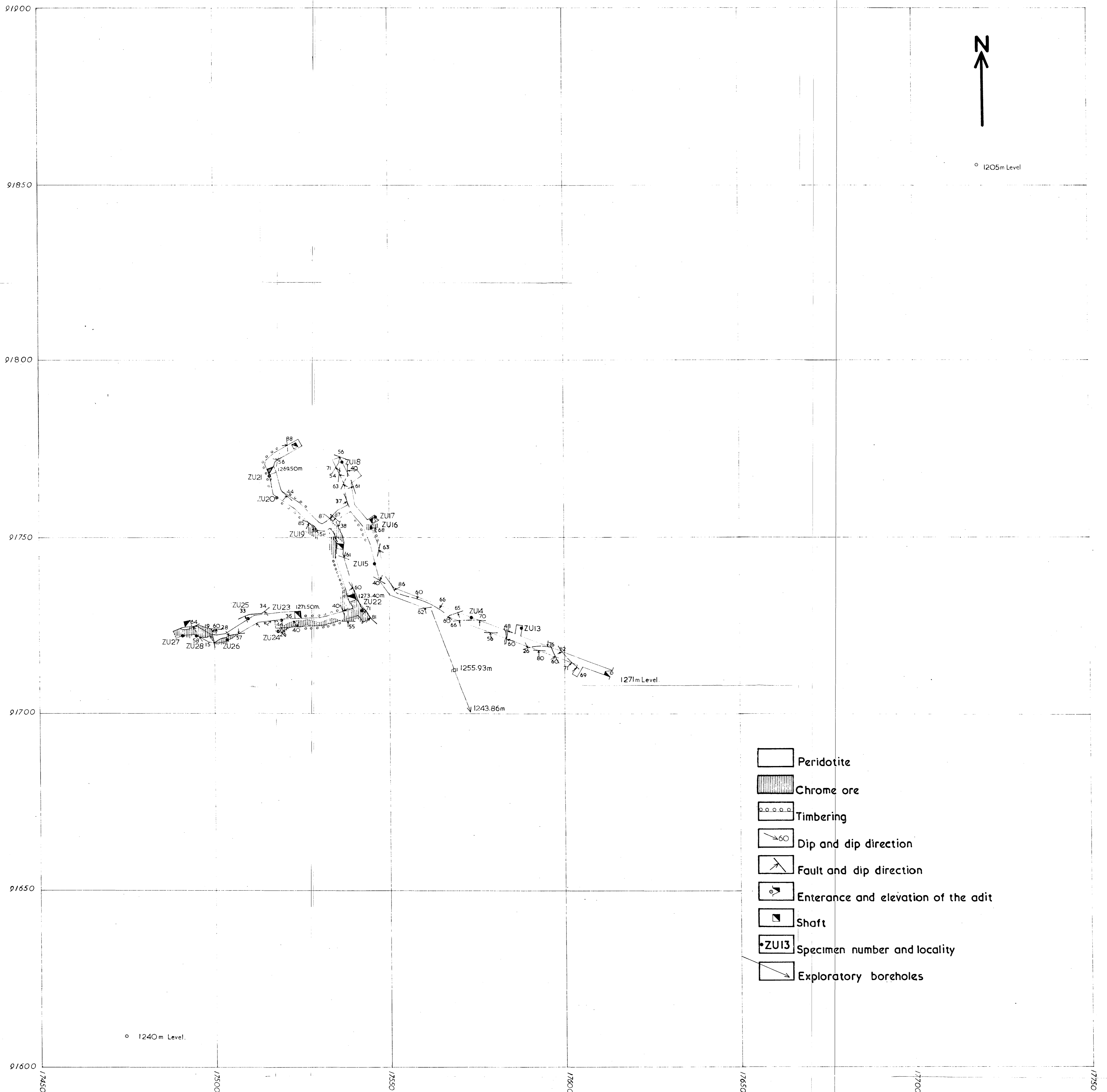
0 10 20 30 40 50 60 70 80 90 100 m



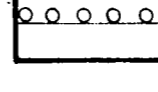
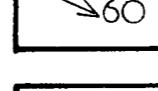
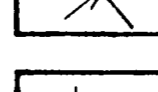
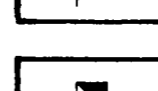
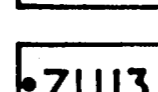
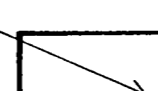



-  Chrome ore
-  AUS Specimen number and locality
-  Timbering
-  Dip direction and angle
-  Fault and dip direction
-  Entrance and elevation of the adit
-  Shaft
-  Exploratory boreholes

DISPOSITION OF CHROME ORE BODIES IN THE 1271m LEVEL AT THE ZIMPARALIK MINE FIG. 6B

0 10 20 30 40 50 60 70 80 90 100m



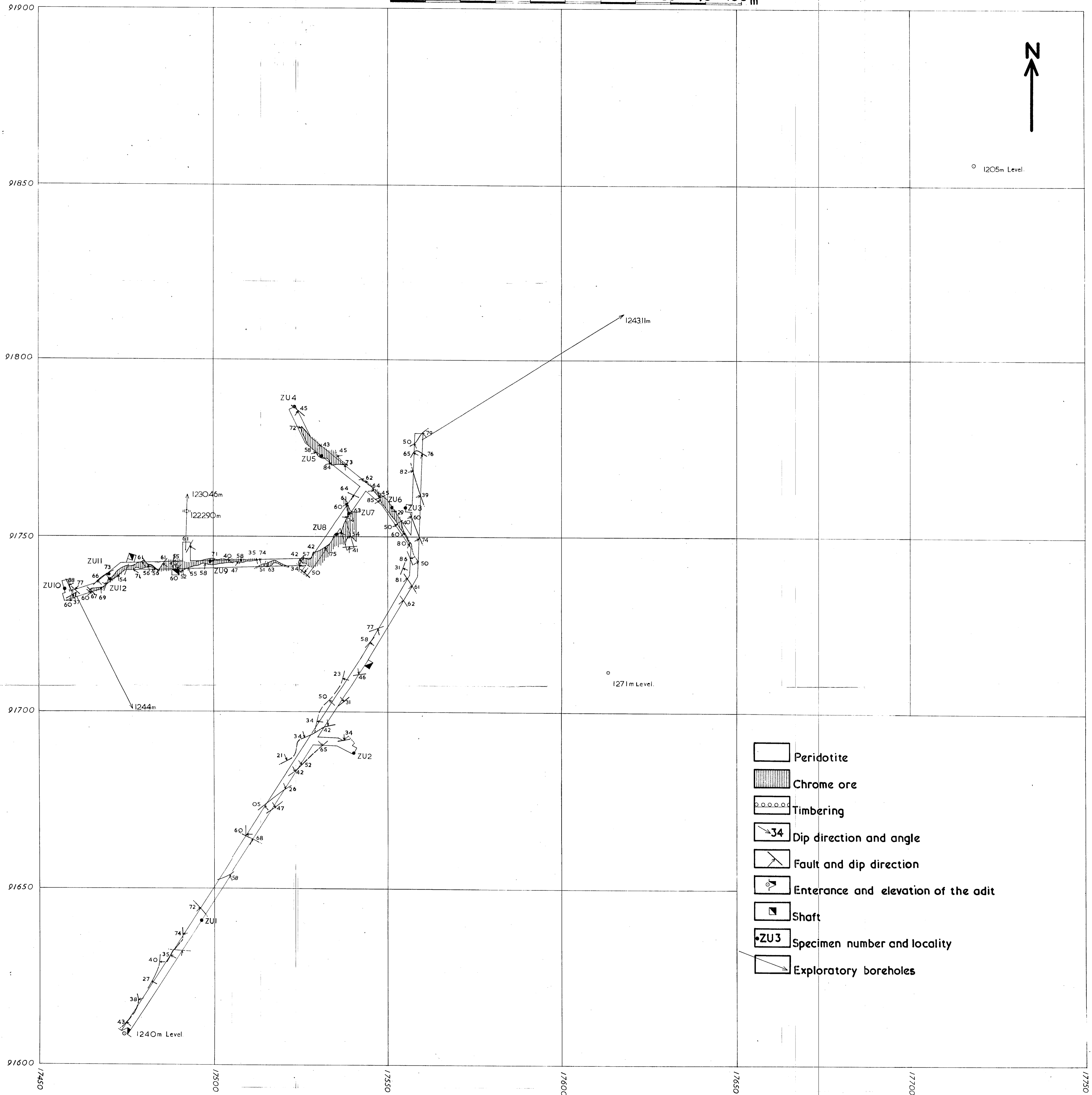
-  Peridotite
-  Chrome ore
-  Timbering
-  Dip and dip direction
-  Fault and dip direction
-  Entrance and elevation of the adit
-  Shaft
-  ZU13 Specimen number and locality
-  Exploratory boreholes



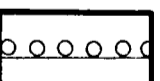
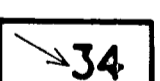



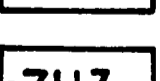
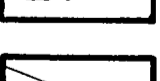
DISPOSITION OF CHROME ORE BODIES IN THE 1240m LEVEL AT THE ZIMPARALIK MINE FIG.6C

0 10 20 30 40 50 60 70 80 90 100 m



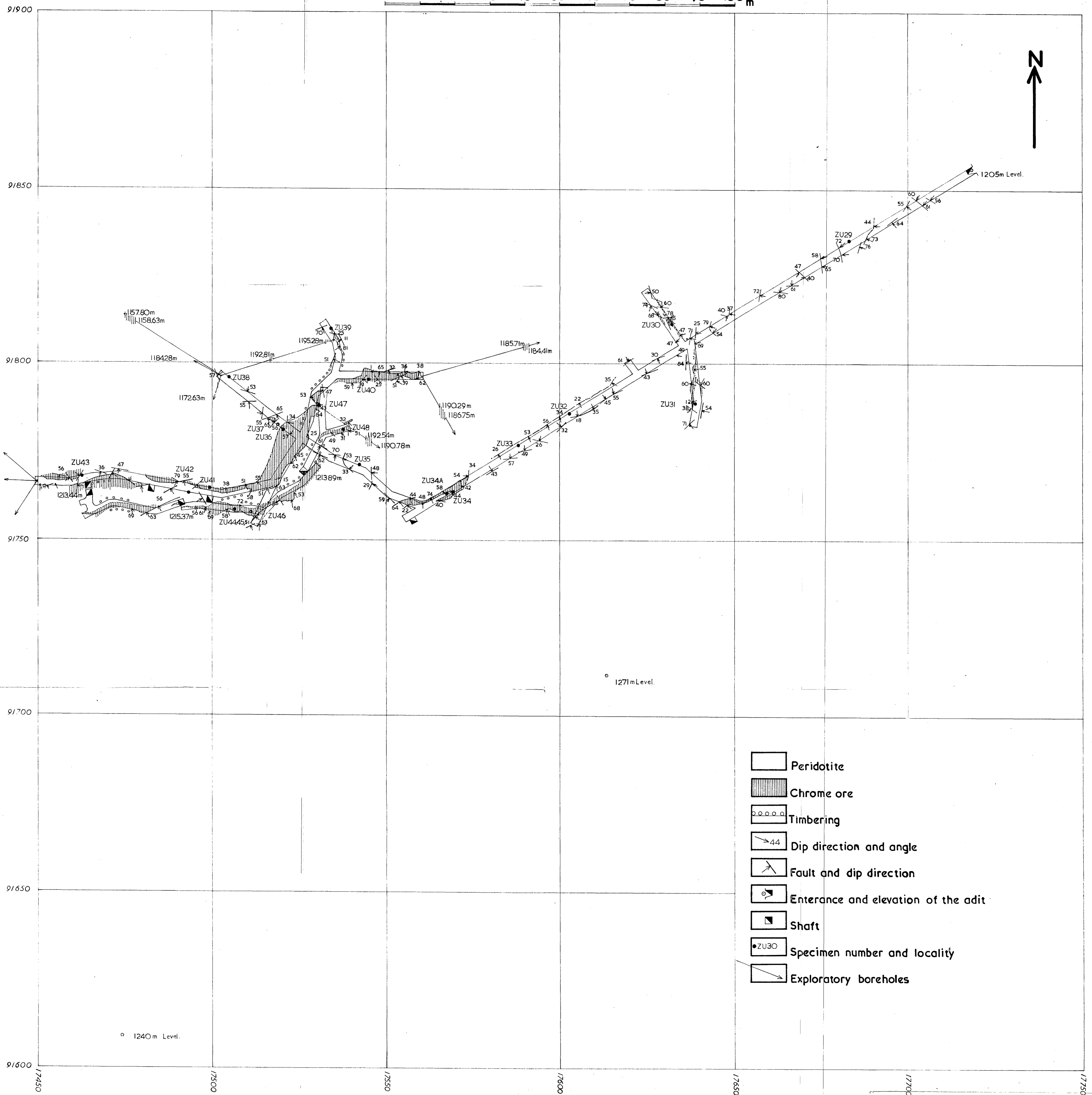
○ 1205m Level.



-  Peridotite
-  Chrome ore
-  Timbering
-  Dip direction and angle
-  Fault and dip direction
-  Entrance and elevation of the adit
-  Shaft
-  Specimen number and locality
-  Exploratory boreholes

DISPOSITION OF CHROME ORE BODIES IN THE 1205m LEVEL AT THE ZIMPARALIK MINE FIG.6D

0 10 20 30 40 50 60 70 80 90 100 m



- Peridotite
- Chrome ore
- Timbering
- Dip direction and angle
- Fault and dip direction
- Entrance and elevation of the adit
- Shaft
- Specimen number and locality
- Exploratory boreholes