

Alanya Massif

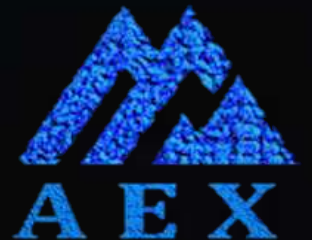
YT AREA #F3

Q1 2020

***POLYTECTONIC
POLYMETAMORPHIC
POLYMETALLIC***

***From Precambrian to Cenozoic
&
From Mantle to Crust***

(Base Metal - Precious Metal – Minor Metal -Rare Earth Metal)



Alanya Massif
YT Area #F3
Polymetallic Ore
Q1 2020

Base Metal

Nickel(Ni)

Cobalt(Co)

Copper(Cu)

Lead(Pb)

Zinc(Zn)

Precious Metal

Gold(Au)

Silver(Ag)

Palladium(Pd)

Minor Metal

Lithium(Li)

Gallium(Ga)

Rubidium(Rb)

Titanium(Ti)

Rare Earth Metal

Scandium(Sc)

Neodymium(Nd)

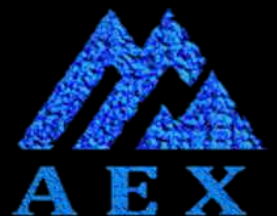
Praseodymium(Pr)

Dysprosium(Dy)

Europium(Eu)

Terbium(Tb)

Note: NEUTRON ACTIVATION-PLATINUM GROUP ELEMENTS-SOLID
(NA-PGE-S) method, PGM and Au-Ag analysis will be performed separately.



SUMMARY

- **As a result of the exploration work carried out since June 2016 in 9 License Areas covering 16,000 hectares within the Alanya Masiff, the foresee in the beginning of AEX PROJECT has been realized and Economic Polimetalic Ore body has been discovered.**
 - **Within the vast license areas this discovery has been made in YT Area where the highest anomalies were identified and as a result focused exploration was carried.**
 - **The first discoveries in this area were made in #F1 Cu, Au, Ag and #F2 Fe, Cu, Au, Ag zones.**
 - **In November 2019, #F3 Polimetalic Ore Zone (Base Metals, Precious Metals, Minor Metals, REEs) has been discovered after completion of a 3 month Mineral Technology tests and analysis, performed to 70tons of rock chip gathered from the 200mt depth drilling.**
- Detailed studies are still ongoing.**



#F3

Polymetallic Ore

(Base Metal - Precious Metal – Minor Metal -Rare Earth Metal)

- Systematic Sample : ~70t Rock Chip , Homogen , Grain size D50 ~2mm,
(Ø 20cm – 200mt.depth Rotary Air Blast RAB Drilling)
- Major Minerals : Chlorite, Mica (Muscovite), White Quartzite, Feldspar (Albit),
Phyrrotite, Chalcopyrite, Pentlandite, Pyrite
- Total Heavy Mineral : ~10% Average of 25 samples
(HLS – Tetrabromoethane 2,97 g/cm³, Diiodomethane 3.32 g/cm³)
- Minerals Liberation : +90% = 500 mesh / 25µ
- Predicted Deposit Type : Magmatic Sulfide Deposit
- Predicted Mineral Deposit : Porphyry (Potential :Tectonics based high grade mineralization)



- Magnetic Separation (Heavy Minerals / ~10%) :

- (FM) Ferro Magnetic (Major Pyrrhotite & Fe,Ni,Co,Cu,Zn,Pb,Ag).....50-60%
- (WM) Weakly Magnetic (Minor Metals & HREE).....40-50%
- (NM) Non Magnetic (Investigation).....5-10%

- Magnetic Separation (Bulk Sample / -100μ) :

(Washing-Grinding-Screening-Dry separation with Nd magnet)

- (FM) Ferro Magnetic (Major Pyrrhotite & Fe,Ni,Co,Cu,Zn,Pb,Ag).....~7%
- (WM1) Weakly Magnetic-High (Minor Metals & HREE).....~10%
- (WM2) Weakly Magnetic-Low . (Investigation).....~15%
- (WM3) Weakly Magnetic-Very Low + NM (Investigation).....~70%



#F3 70t Rock Chip , Homogen, Systematic Samples (Ø 20cm – 200mt Rotary Air Blast RAB Drilling)



100% pure native Metallic Nickel found for the first time in the World



A photograph showing a large number of small, white, crystalline mineral specimens. The specimens are irregular in shape and size, with some showing distinct cleavage planes. They are set against a dark, almost black background. The text "#F3 Quartzite, Calc-Silicate, Albite & Metals" is overlaid in the upper center of the image.

**#F3 Quartzite, Calc-Silicate, Albite
&
Metals**



**#F3 Chlorite, Quartzite, Calc-Silicate
&
Metals**



Eclogite

Blueschist

Greenschist

#F3

Drilling-200mt
Rotary Air Blast (RAB)

● #F3

Fe-Ni-Co-Cu-Pb-Zn

Ag-Au-Pd

MinorMetal-REEs

● #F2

#F2

BIF&Fe-Cu-Au-Ag-Pt-Pd

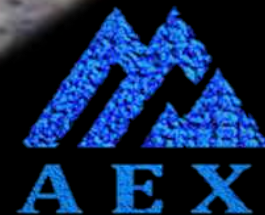
● #F1

#F1

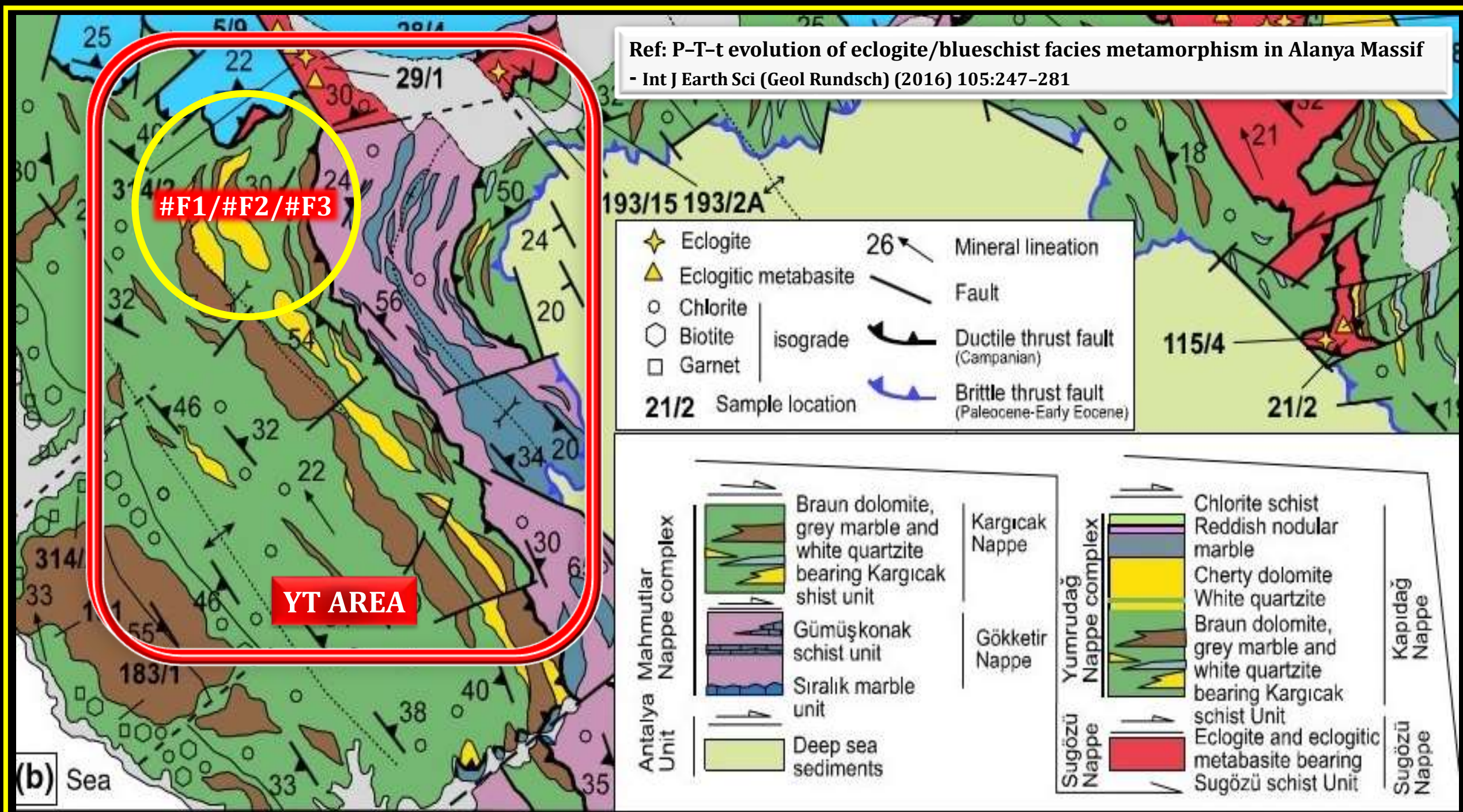
Cu-Au-Ag

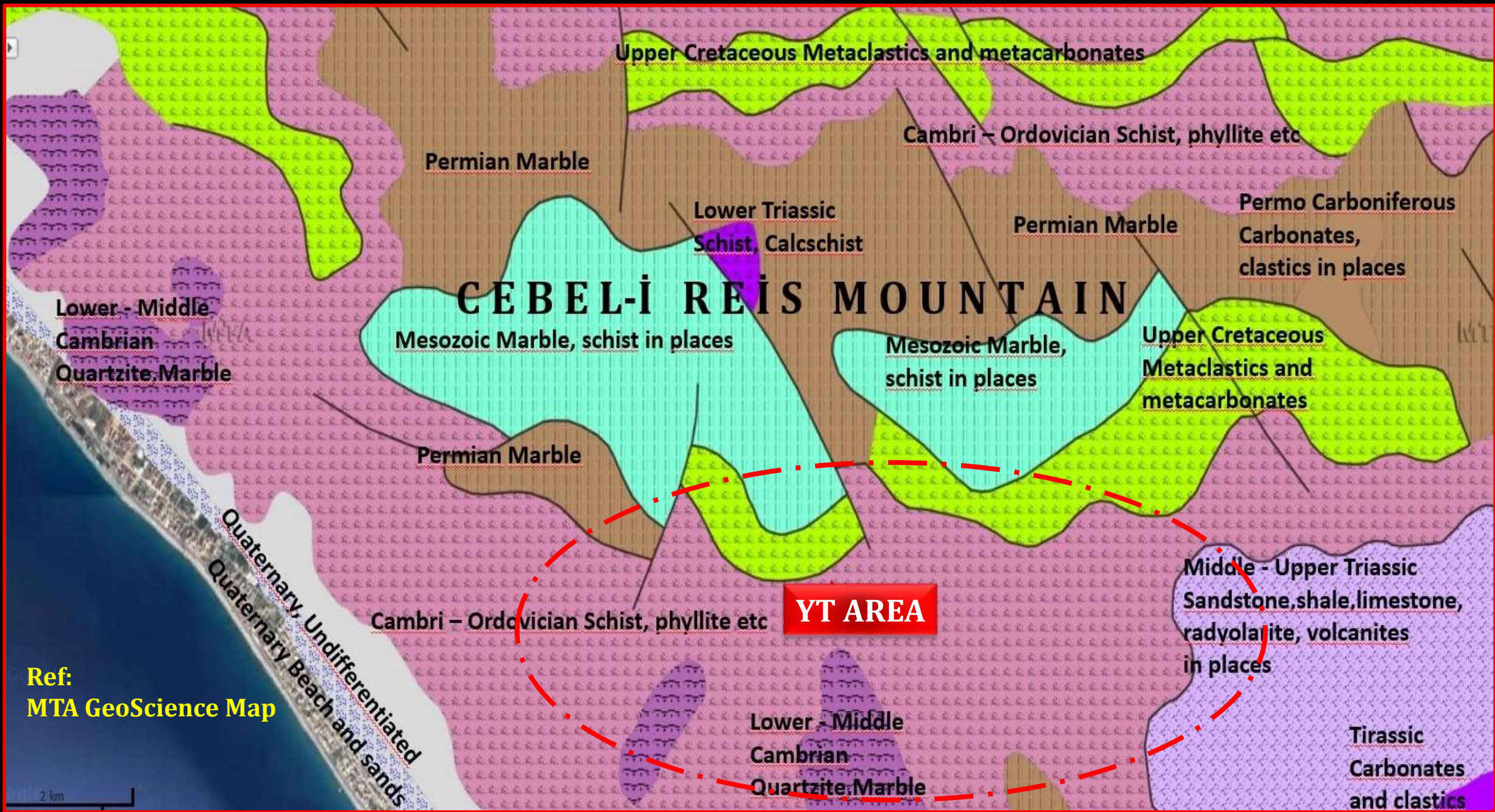
500 mt

Google



Ref: P-T-t evolution of eclogite/blueschist facies metamorphism in Alanya Massif
 - Int J Earth Sci (Geol Rundsch) (2016) 105:247-281





Ref:
MTA GeoScience Map

2 km