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FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

St. Phillip, Kirki Mine

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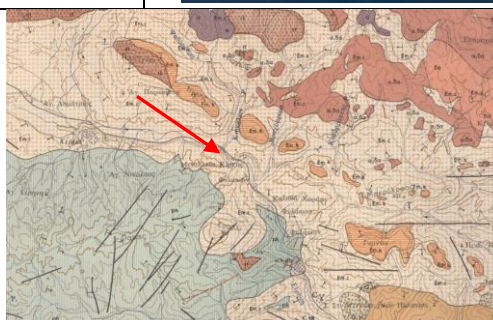
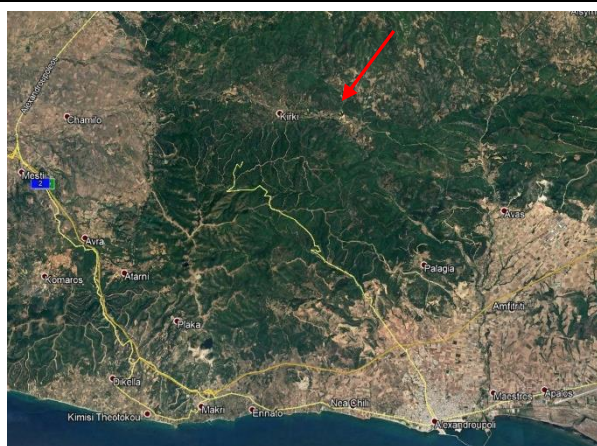
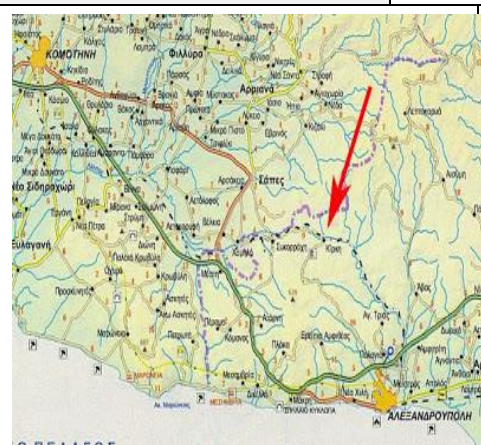




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Name of deposit St. Phillip, Kirki Mine



Location	Country	(nearest) Town	Coordinates	
	Greece	Alexandroupolis	Latitude 40,98000	Longitude 25,81500

Main Commodity/ies	By-products	CRM potential	
Pb, Zn	Ag	Bi, Cu, Mn	

Type of deposit	Mine waste- Old industrial mine		
Mine Status	abandoned		
Period of activity	Start	End	1880- work under Turkish invasion 1923-1936 Intensive exploration activity started in the area by some English companies.
	1880	1993	



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			exploitation of the deposit during the periods 1973-1981 and 1989-1993 by private Greek companies
Production, Metal content	Tonnage 252.000 t	type metal content	

Regional Geology	
Host rock(s)	Mineralization
Volcaniclastic sandstone Quartz monzodiorite	- Sphalerite, galena, tennantite, arsenopyrite, bismuthinite - Brittle fault related vein and silicified breccias deposit (sphalerite, pyrite, galena, chalcopyrite) and /or F, Ba
Deposit Type	St.Phillip is an epigenetic vein-type mineralization hosted by tertiary volcano-sedimentary formations (fine-grained tuffs, conglomerates, sandstones, etc. of Priabonian age). During the Oligocene, subvolcanic masses of andesite-dacite composition are intruded. In the middle Oligocene the monzodioritic pluton is emplaced, followed by rhyolitic dykes. According to Skarpelis (1995) St.Phillip ore deposit represents the base metal part of an epithermal system of which the precious metals zone has been eroded St.Phillip, is the most significant mine of base metals mineralization of Eastern Greek Rhodope region.   Σχ. 3: Μολασσική σειρά. Εναλλαγές πηλινών, ψαμμιτών, μικρολατυποκροκαλοπαγών και μαργαϊκών αποθέσεων. Σχ. 2: Στρωσίγενή βασικά λατυποκροκαλοπαγή (banded breccioconglomerate)



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Reserves	Reserves (t metal)	Code	Category/ies
	1.400.000		
Resources	Resources (t metal)	Code	Category/ies

Access restrictions	no
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Pictures



Panoramic view of open pit mine lake



Figure 1 Mineral Processing area- Crushing plant

References	Literature	Links
		www.igme.erga.gr (in greek) Promine Anthropogenic Data base