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FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

Caveira Mine

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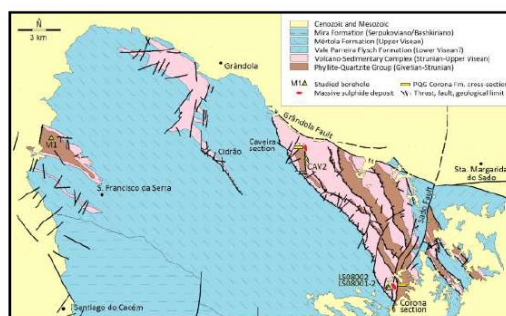
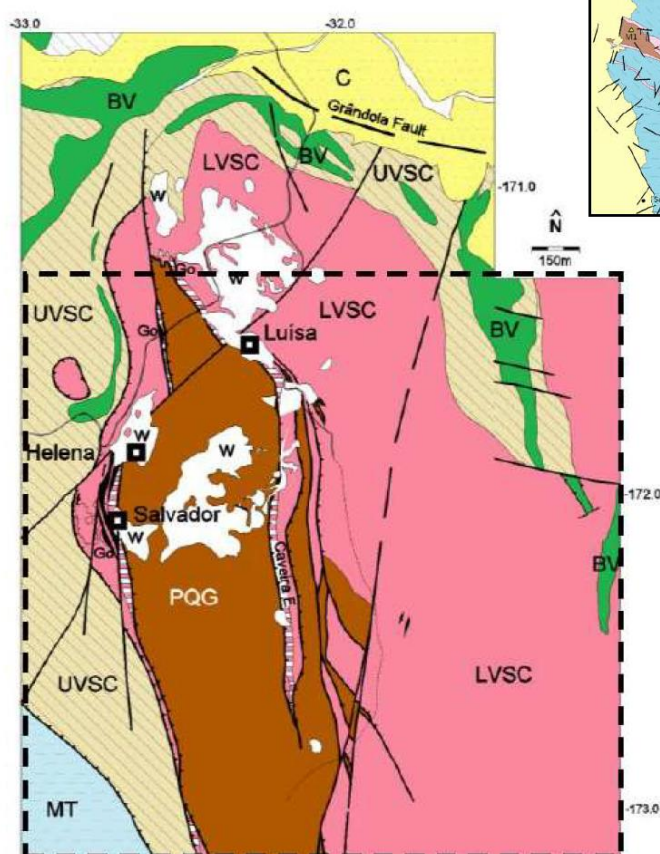




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Name of deposit Caveira mine (Iberian Pyrite Belt)



Caveira geological map: PQG - Phyllite-Quartzite Gr.;
LVSC - Lower VSC, pink/white lines:
Lousal-Caveira Fm. (Strunian age); Go - Gossan;
UVSC - Upper VSC, BV - basic volcanics;
MT - Mértola Flysch; C – Cenozoic; W - mining waste.
Hayford-Gauss D73 coordinates in km.

Ad. Matos et al., 2014, 2015

Location	Country	(nearest) Town	Coordinates	
	Portugal	Canal Caveira	Latitude	Longitude
			38.1228	-8.5018

Main Commodity/ies	Cu	Pyrite	
By-products	Zn, Pb		
CRM potential	Au, Ag, In, Se	As, Hg, Sb, Co	



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Type of deposit	Mine waste					
Mine Status	closed					
Period of activity	Start	End				
	Roman	1969				
Production	Annual production	Tonnage	type	Cumulative historic production (period)	Tonnage	Type
				1907-1916	5 000t	Ore conc. 70-80% Cu
				1907-1916	16 447	Pyrite conc. <1 % Cu
Regional Geology						
Host rock(s)		Age of host rock				
Acid volcanic rocks and black shales		Strunian (Upper Famennian)				
Mineralization						
Ore forming minerals		Age of mineralization			Ore grade	
Pyrite, chalcopyrite, sphalerite, galena		Strunian			43,07-46,54% S e 0,35-0,89% Cu	
Deposit Type		Massive sulphide and stockwork				
						
Caveira stockwork mineralization (Matos et al., 2015).						

Reserves	Reserves (t metal)	Code	Category/ies
Resources	Resources (t metal)	Code	Category/ies
	< 10 Mt (sulphides)		

Access restrictions	yes	no	unknown
	x		
	Type of restrictions		
	Part of the mining area is closed to visits		
Ownership	Type of owner	Name	
	Agriculture company		



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References	Literature	Links
	Matos et al., 2014, ISSN: 0873-948X, e- ISSN: 1647-581X. Matos et al., 2015, ISBN 978-989-675-039-8	www.lneg.pt http://www.lneg.pt/iedt/unidades/16/paginas/26/30/185 www.researchgate.net/publication/289203530

Remarks
Mine in rehabilitation study by the EDM public company Geological and mining heritage Iberian Pyrite Belt site included in the <i>Pyrite Route</i>