

INTERPRETED PIMA-II SWR MINERALOGY

PLATE No. 2080.1

Rosia Montana Au-Ag

epithermal low sulphidation

European Epithermals & Porphyries

Sample	Mineral1	Mineral2	Mineral3	Mineral4	Possible Mineral1	Possible Mineral2	Dominant Illite/muscovite composition
001r	illite?						phengitic (i.e. Mg/Fe substituted and/or low octahedral Al)
001v	water	?					
002r	illite?						
003r	illite?	NH4 Alunite?					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
004r	illite?	NH4 Alunite?					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
005r	illite?	NH4 Alunite?					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
006r	illite?	NH4 Alunite?					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
007r	illite						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
008r	illite						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
009r	smectite-illite	carbonate					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
010r	illite				+/-carbonate		muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
0111	illite	carbonate					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
0112	illite	carbonate					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
012r	illite?						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
013r1	illite?						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
013r2	noise	water					
014r	kaolinite?						
016r	illite?						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
017c	illite?	kaolinite?					muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
017m	noise	water					
018r	illite?						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)
019c	illite?						muscovitic (i.e. potassic or of "normal" muscovite or illite compositions)

Samples on Lithotheque plates number left to right, commencing at top left. Samples are numbered 001-020. The letter after the number refers to the type of measurement made: r = representative; v = vein; vs = vein selvage; m = matrix; c = clast; l = layer; p = phenocryst (if large). Not all plates contain 20 samples; not all samples have been measured; some samples have multiple measurements. THIS PAGE IS DESIGNED TO BE PRINTED.

Summary of Rosia Montana Lithotheque Plate 2080

The Rosia Montana spectra are dominated by illite. Many spectra are noisy and only have a weak illitic signature suggesting minor illite in the samples. This observation is consistent with the samples mostly being silicified. The illites are typically muscovitic in composition.

The argillised dacite samples are characterised by illite-smectite and kaolinite.

The summary is based on a relatively small number of samples which are not spatially attributed. Observations are indicative rather than definitive of the spectral and mineralogical characteristics of this deposit.

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