

Sample ID and provenance

Sample ID: SP63_OLV

Outcrop: Oliveiras

Lithology: Chert

Unit/facies: Middle Jurassic

Collection: LusoLit

Thinsection: No

Macroscopic description

❖ COLOR

The color distribution is Mix diffuse. The colors are Med. light gray (N6), Grayish red purple (5RP 4/2) and Dusky red (5R 3/4).

❖ FABRIC

The luster is Dull and the translucency is Opaque. The feel is Smooth the Semi-smooth and the grain is Fine. The structure is Uneven with a Gradual variation. The patterns are Spots (50-99%), which are Splotches and Speckling with Uneven distribution.

❖ INCLUSIONS AND FOSSIL CONTENT

There is the presence of a large, silvery minerals.

❖ CORTEX

The cortex is Outcrop type, albeit looking smooth and rolled. It has Medium thickness and the transition is Sharp. When tested with dilute hydrochloric acid (HCL 10%), the reaction was Weak. The parent rock may be a Dolomite.

❖ QUALITY

The fracture type is Conchoidal and the samples have Cleavage plains and Fractures. The knapping quality is Medium.

❖ OBSERVATION

The sample breaks in preferential orientations, which may indicate several fractures in the chert. There are patinated surfaces, characterized by intense yellow and orange colors, as well as changes in luster.

Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Primary

Visibility: Reasonable

Accessibility: Easy

State of site: Bad

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Homogeneous

Frequency: Sporadic

Nodule description: Oval, from 2 to 15cm width

❖ SHORT DESCRIPTION

The chert nodules can be found in large outcrops by a road, in primary state. Some nodules are altered and brittle depending on the degree of exposure. The outcrop is in dismantlement. The nodules are sporadic, oval, and with widths ranging from 2 to 15cm.

Macroscopic photos













