

Sample ID and provenance

Sample ID: SP57_JOR

Outcrop: Jordana

Lithology: Chert

Unit/facies: Upper Jurassic

Collection: LusoLit

Thinsection: No

Macroscopic description

❖ COLOR

The color distribution is Mix diffuse. Main colors are two shades of light gray (10YR 7/1 and 2.5Y 7/1).

❖ FABRIC

The luster is Dull and the translucency is Opaque. The feel is Semi-smooth and the grain is Fine. It has an Uneven structure with a Gradual and Abrupt variation. Patterns are Spots. These are Splotched and Speckling, with Uneven distribution and present in 1-49% of the sample.

❖ INCLUSIONS AND FOSSIL CONTENT

Oxide grains are present in clusters, but are uncommon.

Fossils are common, but are unidentifiable. Fossils are not monotypical, have different colorations and show no organization.

There are areas with different silicification (semi-translucent) that contain opaque, white and oval/circular fossils.

There is a small fracture filled with quartz or chalcedony.

❖ CORTEX

Cortex is of Outcrop type, Thin and naturally rounded, with a Sharp transition. The nodule outer edges are lighter and less smooth, which may be related to alterations that created the cortex. Contact with the encasing rock is sharp and the difference between rocks is obvious both in color and other fabric

characteristics. When tested with dilute hydrochloric acid (HCL 10%), the reaction was Strong. The parent rock may be a Limestone.

❖ **QUALITY**

The fracture is Conchoidal and there are Cleave plains. The knapping quality is Medium.

❖ **OBSERVATION**

The nodules are very small and oval in shape, with some irregularities. The encasing rock is very hard and obtaining the nodules can be difficult.

Patination seems to occur in the outer areas, in which the rock is covered in a yellow patina.

Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Primary

Visibility: Good

Accessibility: Easy

State of site: Bad

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Homogeneous

Frequency: Abundant

Nodule description: Oval, from 2 to 5cm. Obviously popping up from the parent rock, but hard and difficult to remove without shattering.

❖ SHORT DESCRIPTION

Small chert nodules (2-5cm) can be found in huge boulders, on an abandoned field next to recently built houses. The outcrop seems to be in dismantlement. The nodules are very abundant but difficult to remove from the parent rock without shattering into small pieces.

Macroscopic photos











