

Sample ID and provenance

Sample ID: SP68_PEDR

Outcrop: Pedreira

Lithology: Chert

Unit/facies: N/A

Collection: LusoLit

Thinsection: No

Macroscopic description

❖ COLOR

The color distribution is Mix sharp. The colors are Very pale brown (10YR 8/2), White (10YR 8/1) and Light gray (10YR 7/1).

❖ FABRIC

The luster is Dull and the translucency is Opaque. The feel ranges from Semi-smooth (on the lesser altered areas of the chert) to Rough. The grain is Fine. The structure is Uneven with an Abrupt variation. The patterns are Spots (1-49%) which are Splotched with an Uneven distribution.

❖ INCLUSIONS AND FOSSIL CONTENT

-

❖ CORTEX

The cortex is Thin and barely noticeable in the contact between the chert and the parent rock. When tested with dilute hydrochloric acid (HCL 10%), the reaction was strong for the parent rock and the cortex. The parent rock may be a Limestone.

❖ QUALITY

The fracture is Conchoidal and Uneven, depending on the area of the nodule and it has more than one Fracture. The knapping quality is Low.

❖ OBSERVATIONS

The chert is very altered, and only a few restricted areas of the nodules seem to have preserved the original (pre-postdepositional) characteristics of the rock.

Outcrop description

❖ OUTCROP CHARACTERISTICS

Type of outcrop: Secondary

Visibility: Reasonable

Accessibility: Easy

State of site: Bad

❖ CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Homogeneous

Frequency: Rare

Nodule description: Irregular to oval, from 5cm to 10cm wide.

❖ SHORT DESCRIPTION

The chert nodules are embedded in lost chunks of parent rock in a terrain for rock exploration. Because of this, the frequency of chert nodules is rare. The visibility is reasonable, the accessibility is easy, and the outcrop preservation is bad.

Macroscopic photos









