Sample ID and provenance

Sample ID: SP13_PBX

Lithology: Chert

Collection: LusoLit

Outcrop: Praia de Belixe

Unit/facies: Lower Jurassic

Thinsection: No

Macroscopic description

- COLOR

The color distribution is Mix sharp. The colors are Dark purple, Weak red (10R 4/2) and White (5YR 8/1).

- FABRIC

The luster is Dull and the translucency is Opaque. The feel is Coarse and the grain is Fine. The structure is Uneven with an Abrupt variation. The patterns are Shaded, Spots (1-49%) and Lines (1-49%). The spots are Speckling with an Even distribution. The Lines are Horizontal Laminated.

- INCLUSIONS AND FOSSIL CONTENT

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- CORTEX

The presence of cortex is difficult to access. The dolomitization within the chert makes the limits between the chert and the dolomite difficult to ascertain. When tested with dilute hydrochloric acid (HCL 10%), there was no reaction. The parent rock is a dolomite.

- QUALITY

The fracture is Uneven and the surface has Fractures. The knapping quality is Low.

- OBSERVATION

These samples are dolomitized and have poor quality. However, they are present as nodules mixed with the better quality chert nodules. Their poor quality is visible in the nodule, without the necessity of testing.

Outcrop description

- OUTCROP CHARACTERISTICS

Type of outcrop: Primary

Visibility: Good

Accessibility: Easy

State of site: Good

- CHERT NODULES/BEDS DESCRIPTION

Type of chert nodule: Nodule

Sample variability: Variable

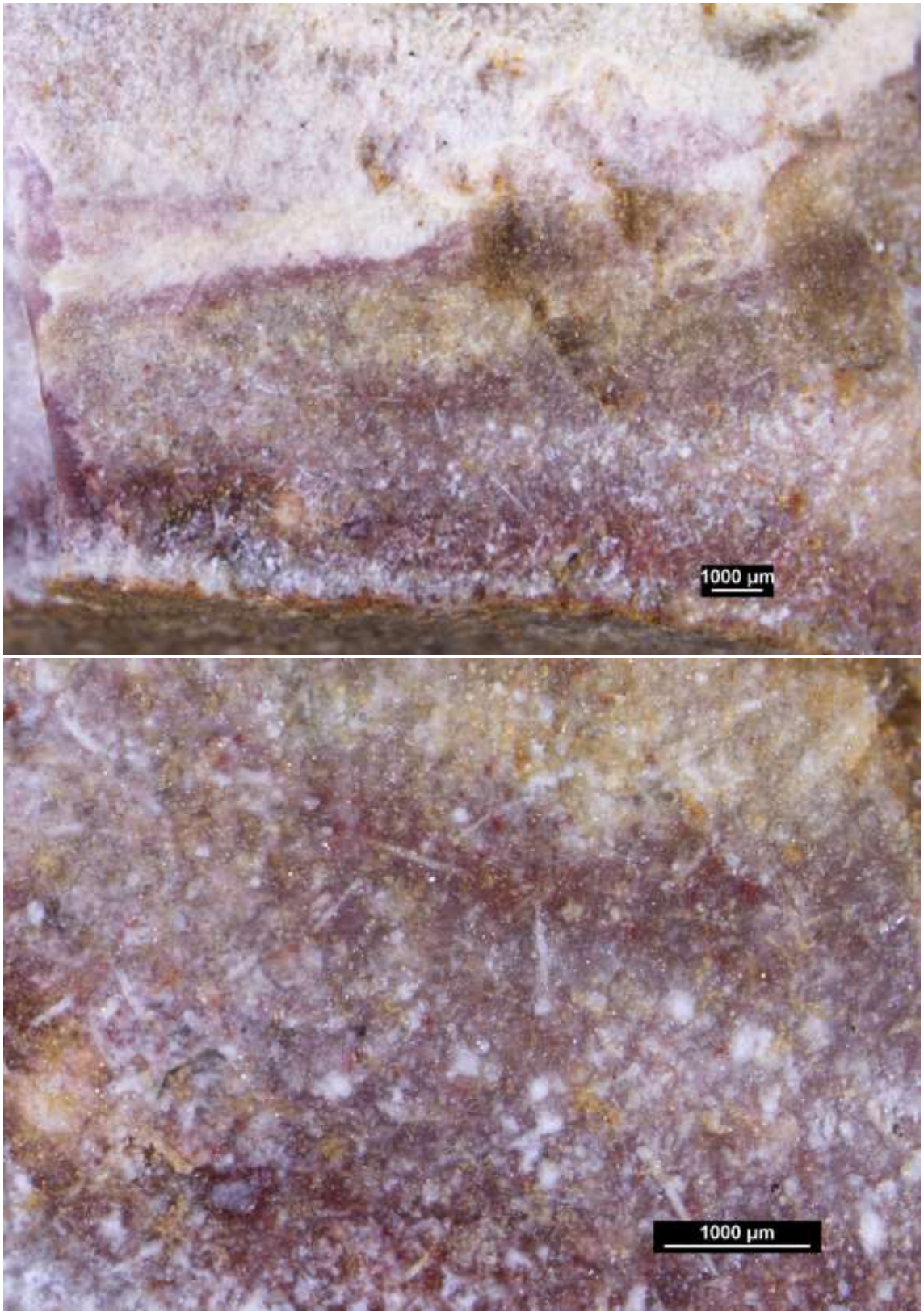
Frequency: Abundant

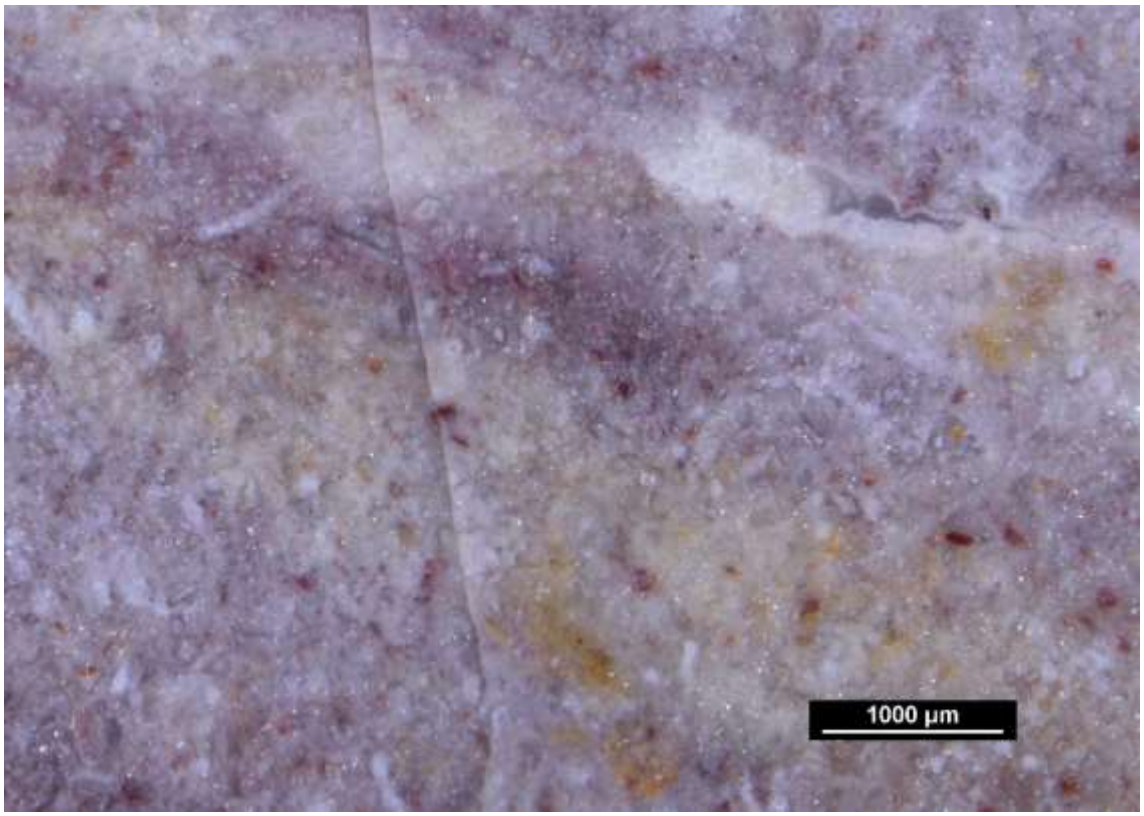
Nodule description: The cherts can be found as nodules, often oval but also irregular, as large as 15cm, but also as bedded cherts.

- SHORT DESCRIPTION

The cherts are embedded in the cliffs, appearing as nodules of varying shapes and sizes, but also bedded. Whenever bedded, the chert seems to be more brittle and fractured. The nodules are more abundant than the bedded cherts. Despite these differences, these cherts are similar.

Macroscopic photos




1000 µm