Sample ID and provenance

Sample ID: SP30_FZF

Lithology: Chert

Collection: LusoLit

Outcrop: Foz dos fornos

Unit/facies: Lower Jurassic

Thinsection: No

Macroscopic description

- COLOR

The color distribution is Mix sharp. The colors are Pale red (10R 7/3), White (5YR 8/1) and Very pale brown (10YR 7/4).

- FABRIC

The luster is Dull and the translucency is Opaque. The feel is Smooth to Semi-smooth and the grain is Fine. The distribution is Uneven with an Abrupt variation. The patterns are Spots (50-99%) and Lines (1-49%). The spots are Broad mottling, Splotched and Speckling, with an Even distribution. The lines are Laminated, with a Concentric orientation.

- INCLUSIONS AND FOSSIL CONTENT

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- CORTEX

Cortex is from an Outcrop, Thin to Medium and with both a Sharp and a Gradual transition. Chert nodules are small and present within the parent rock, although not all nodules show a fine, smooth grain. There is instead a gradient of coarser chert transitioning into the finer nodule. Other cases, the nodules are easy to identify and without this transition. When tested with dilute hydrochloric acid (HCL 10%), the reaction was weak. The parent rock may be a dolomite or a dolomitic limestone.

- QUALITY

The fracture is Conchoidal and the surface has Fractures. The quality is Medium.

- OBSERVATION

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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: Homogeneous

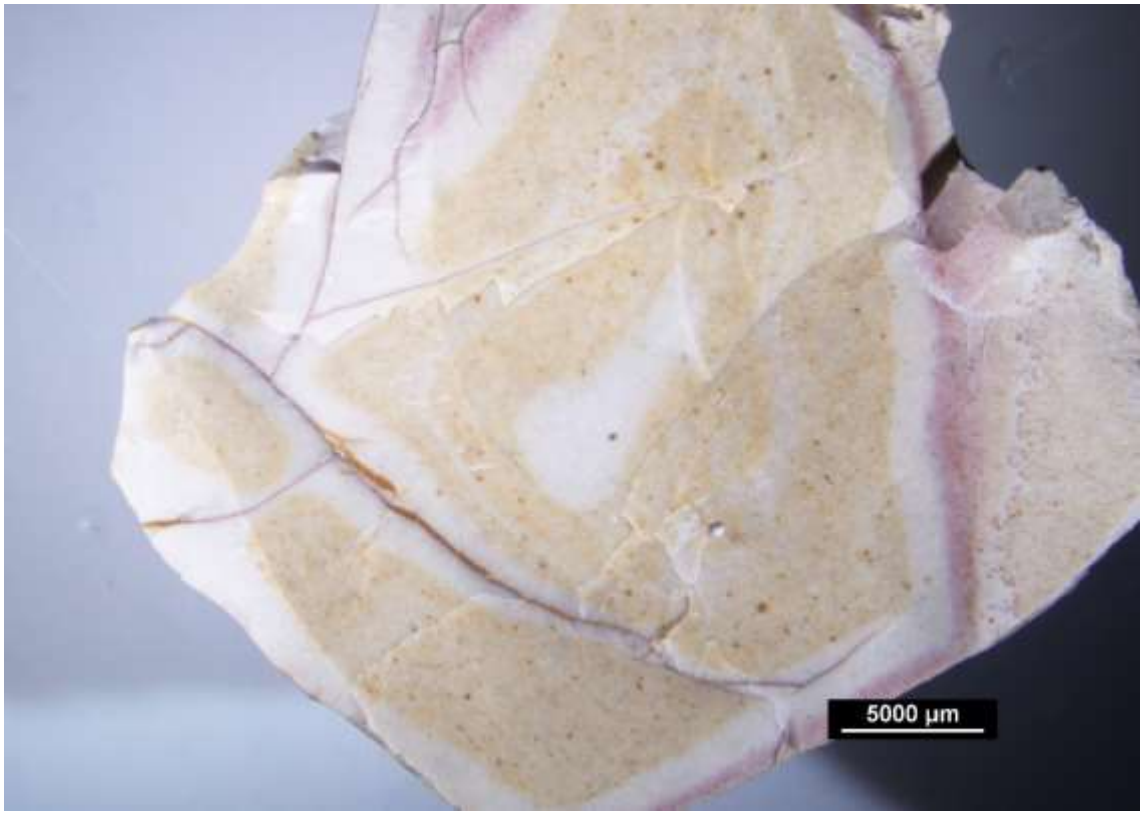
Frequency: Rare

Nodule description: The nodules are irregular, and brittle and can reach 15cm in width.

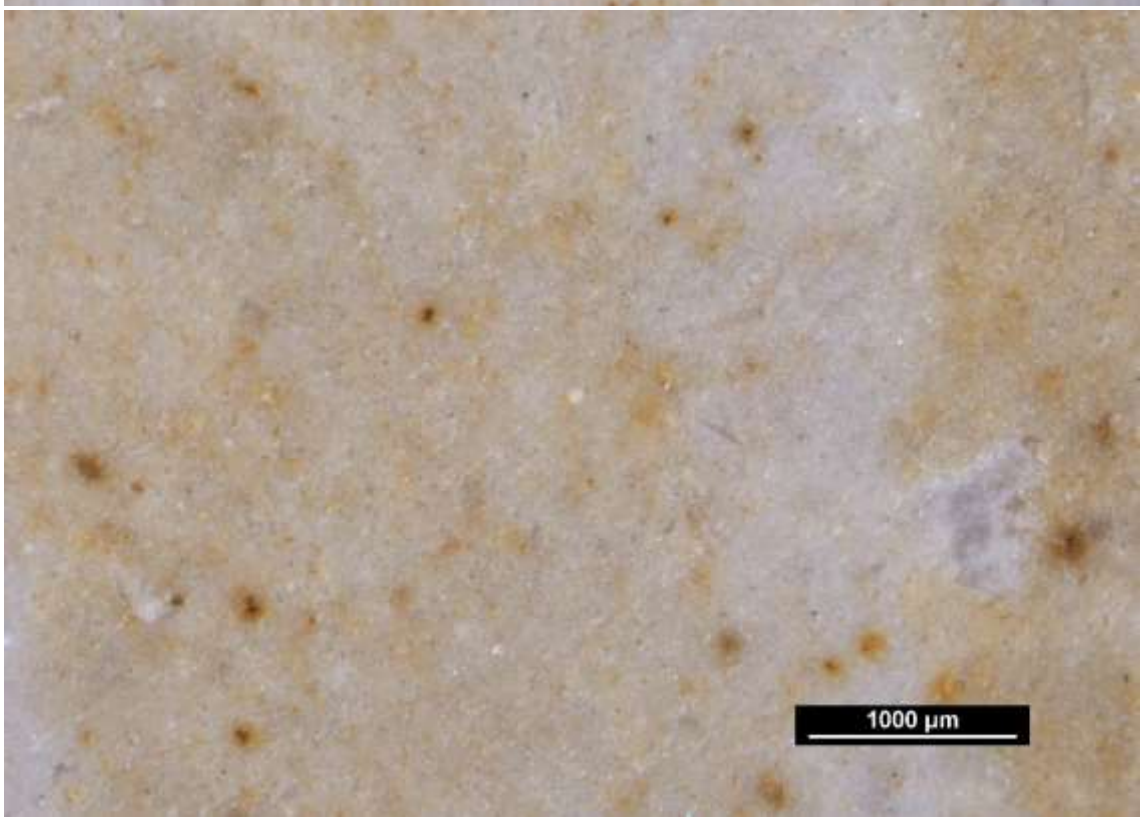
- SHORT DESCRIPTION

The chert is rare but can be found in parent rock outcropping from the floor. This section is located above the cliff, at the top, where the chert is rare instead of abundant, but access is easy. The nodules are irregular, as large as 15cm in width, but brittle and filled with fractures. This area of the outcrop might be in dismantlement.

Macroscopic photos




1000 µm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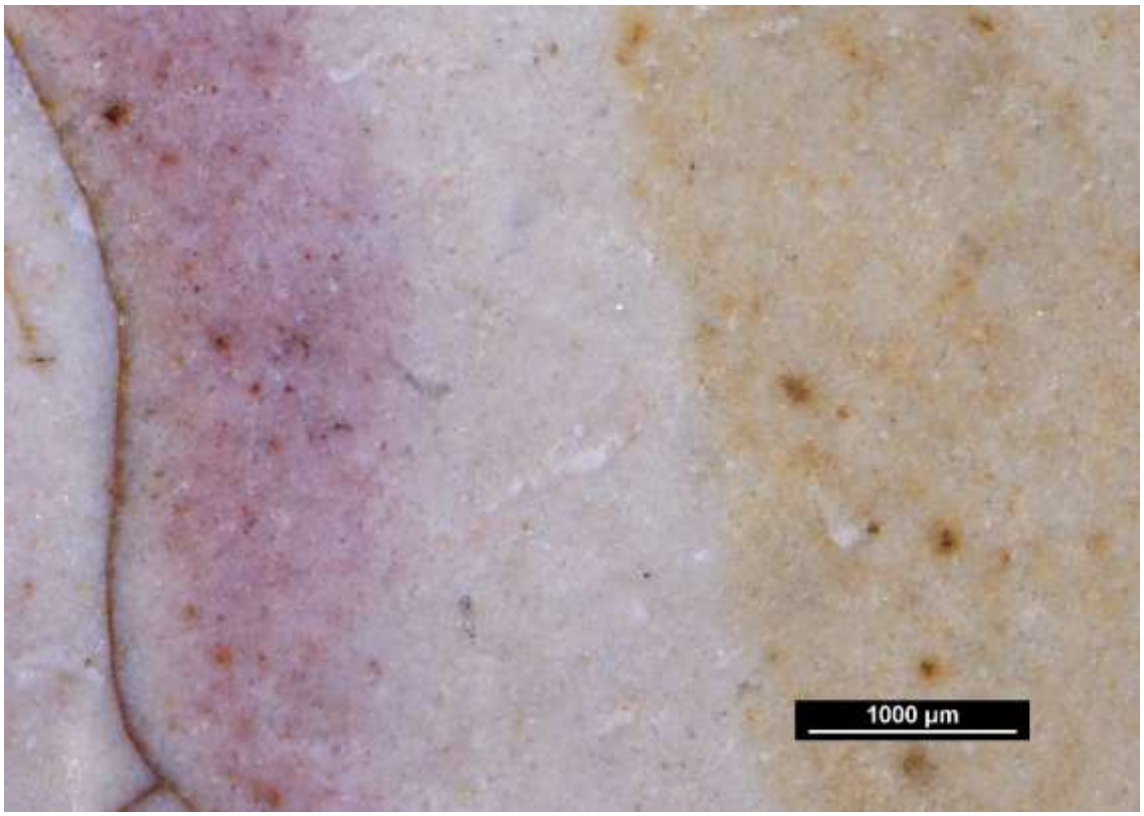
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