

Sample ID and provenance

Sample ID: SP6_CSV

Outcrop: Cabo S. Vicente

Lithology: Chert

Unit/facies: Lower Jurassic

Collection: LusoLit

Macroscopic description

❖ COLOR

-The color distribution is Single and the color is Light gray (2.5Y 7/2).

❖ FABRIC

-The luster is Dull and the translucency is Opaque. The feel is Semi-smooth to Rough and the grain is fine. The distribution of the fabric is Even.

❖ INCLUSIONS AND FOSSIL CONTENT

-

❖ CORTEX

-The cortex is Outcrop type with a Gradual transition.

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

❖ QUALITY

-The fracture is Conchoidal with Fractures. The knapping quality is Medium.

❖ OBSERVATION

-

Petrography analysis form

❖ TEXTURAL COMPOSITION

Texture: Mudstone

Microstructure: Massive

❖ COMPOSITION

ORTHOCHM	Type	%	Description
MiC quartz (gr)	SE	90	-
Dolomite	SE	10	Dolomite crystals have different sizes.

ALLOCHEM	Freq	Description
Oxides	Uncommon	-

BIOCLASTS	Freq	Description
Ghosts	Uncommon	-
Echinoderm	Uncommon	-

❖ OTHER TEXTURAL CHARACTERISTICS

Total porosity (%): 5

Porosity type: Vuggy

Other sedimentary structures: -

Observations

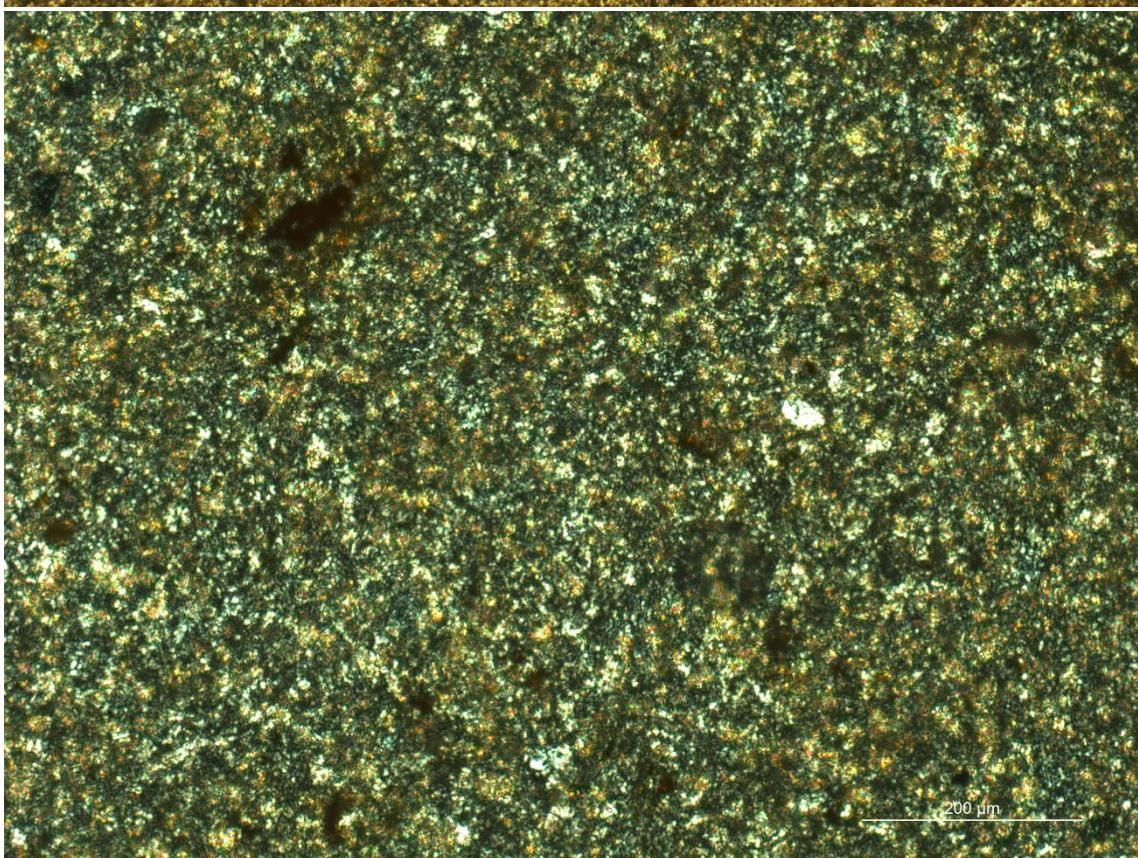
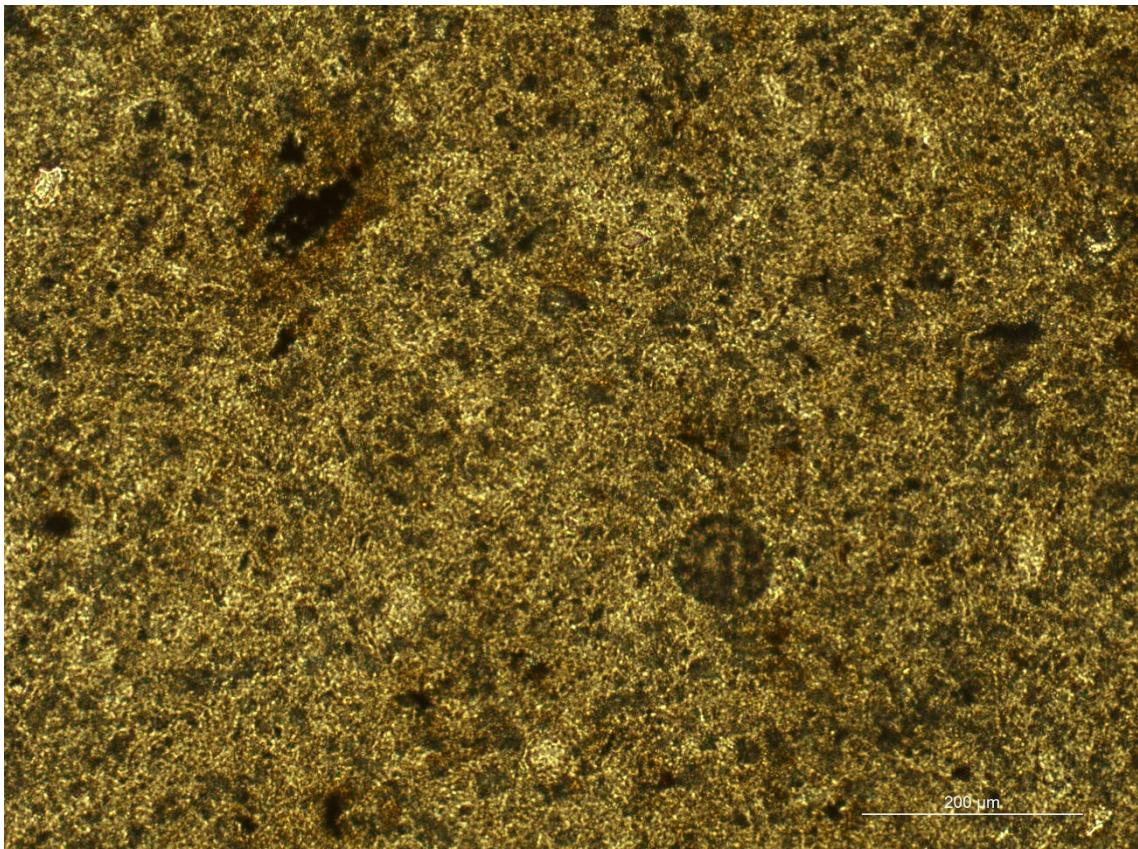
- ❖ Ghosts are filled with microcrystalline quartz and poorly preserved.

Analysis information

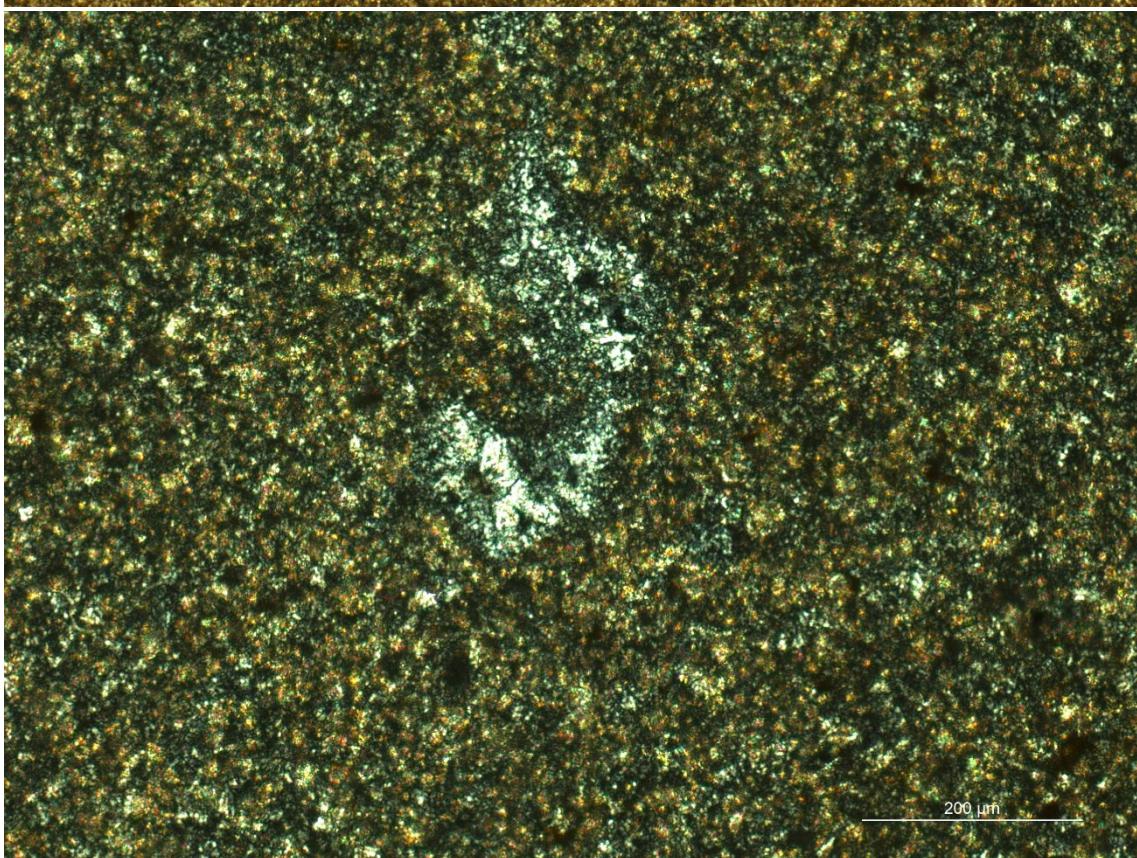
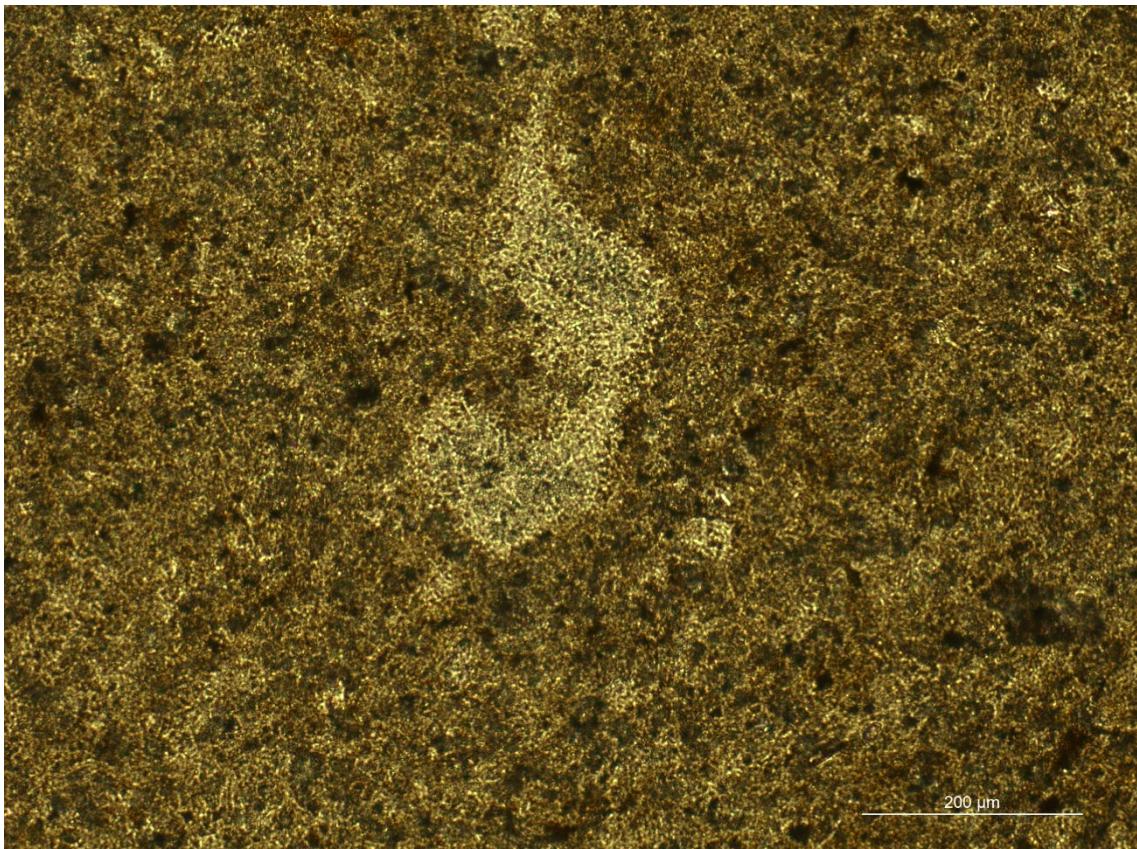
- ❖ ANALYST: JB
- ❖ DATE: 02.23.2022
- ❖ EQUIPMENT: Leica DM2500 P

Photos

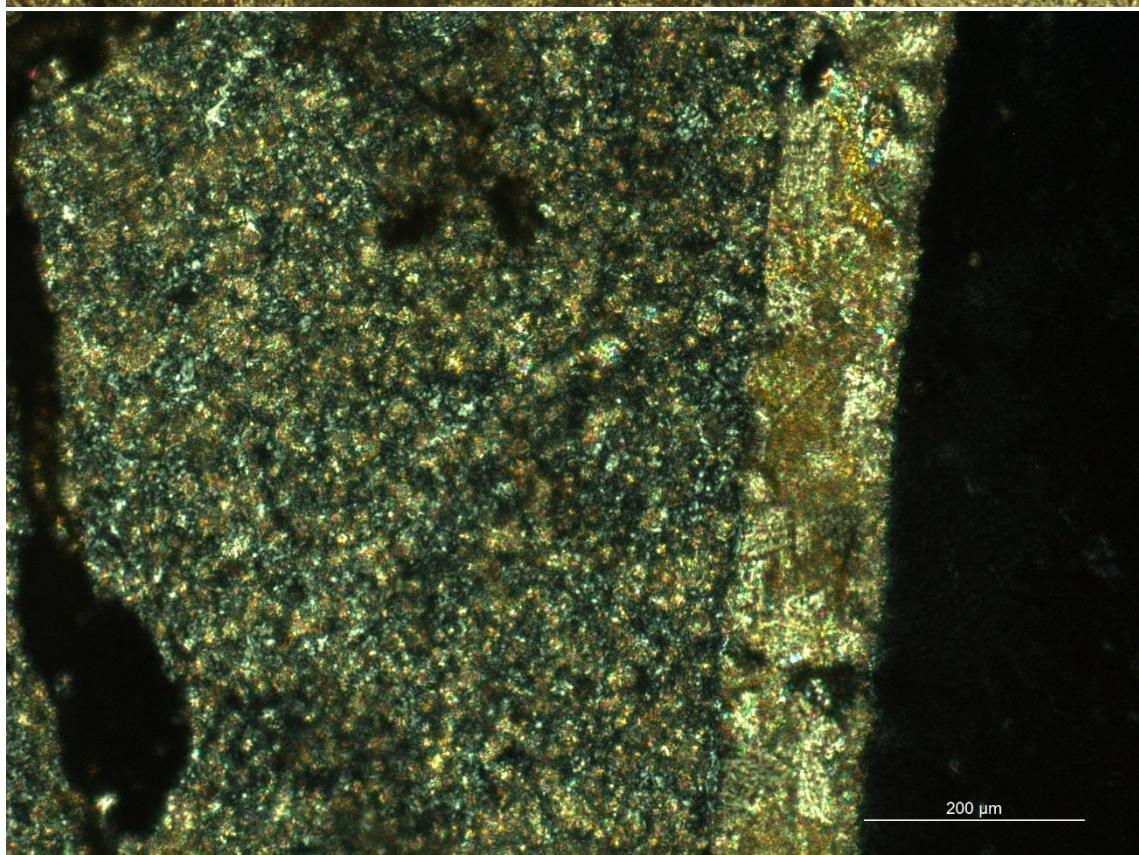
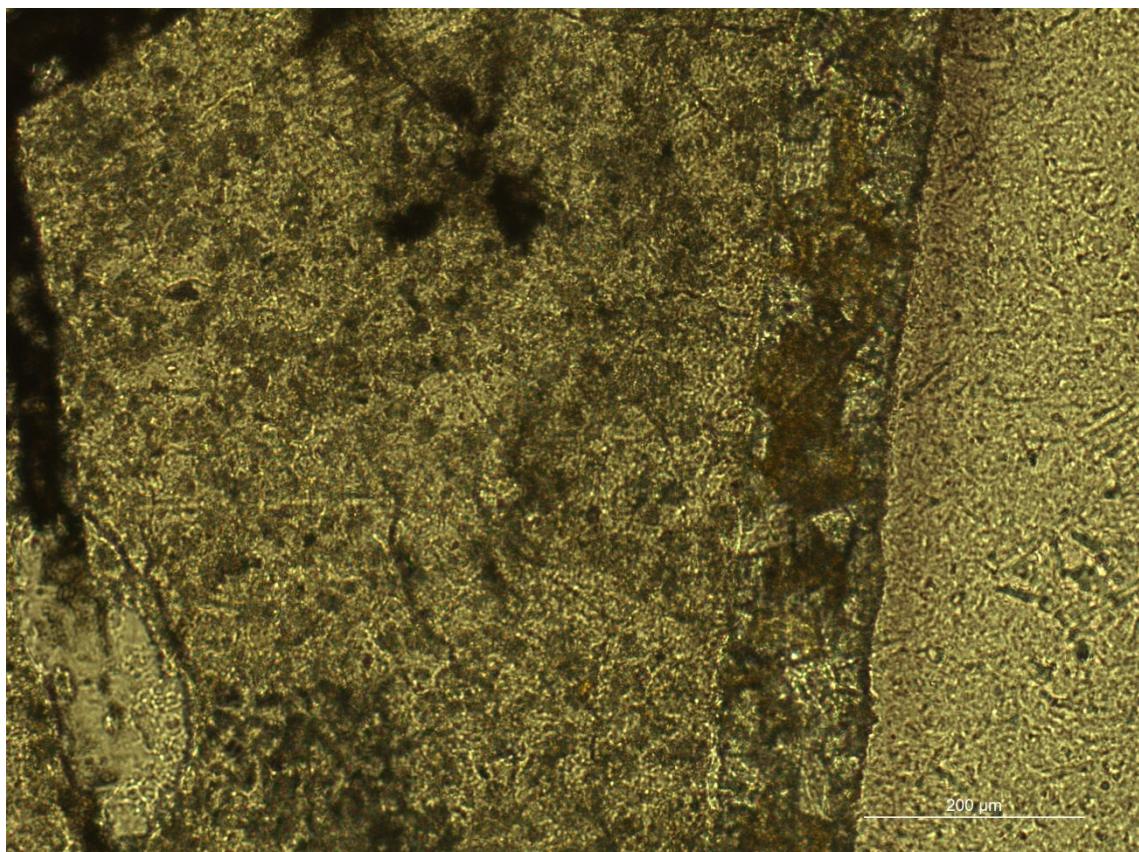
Photo ID	Aug.	Description
SP6_001_P	10x	General view of oxides and a possible Echinoderm spine.
SP6_002_P	10x	Ghosts with quartz filling.
SP6_003_P	10x	Limit between chert and dolomitic limestone (cortex.)
SP6_004_P	10x	Possible Echinoderm spine.
SP6_005_P	20x	Detail of rhomboid dolomite crystals close to the edge of the sample.



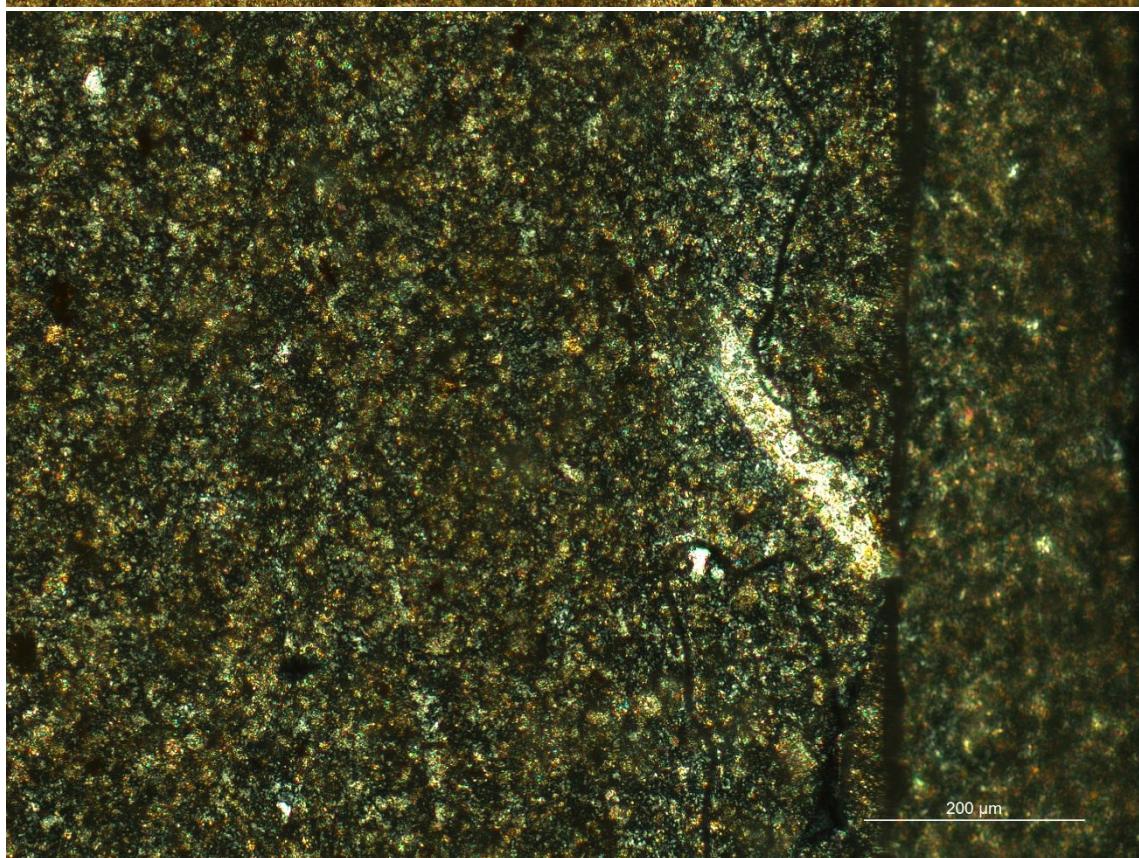
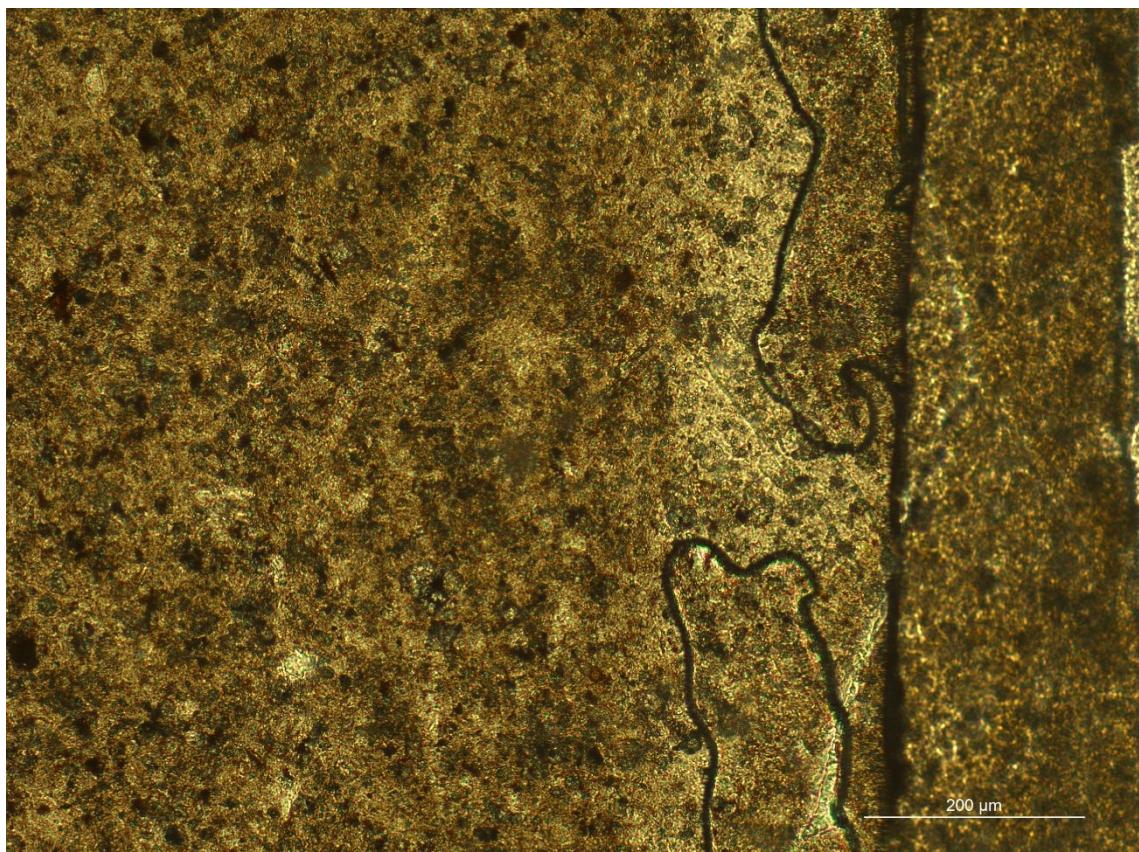
SP6_001 (PPL and XPL)



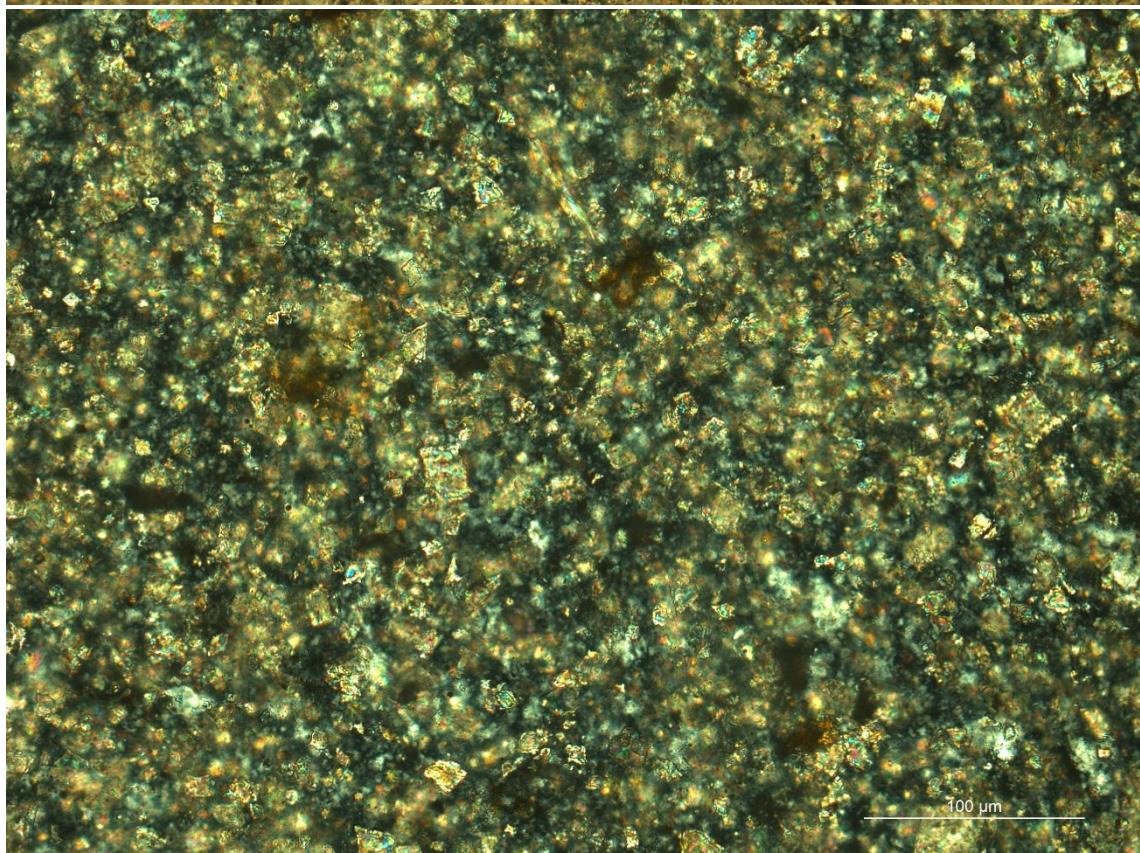
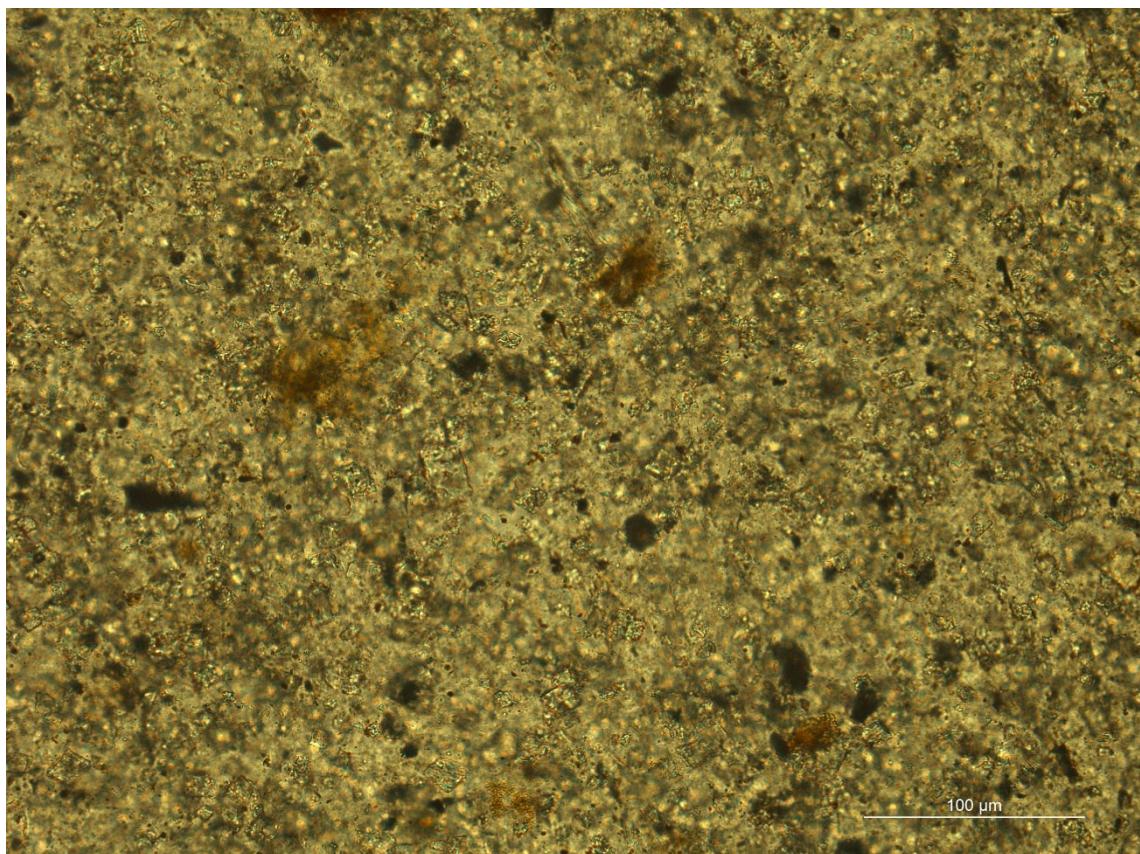
SP6_002 (PPL and XPL)



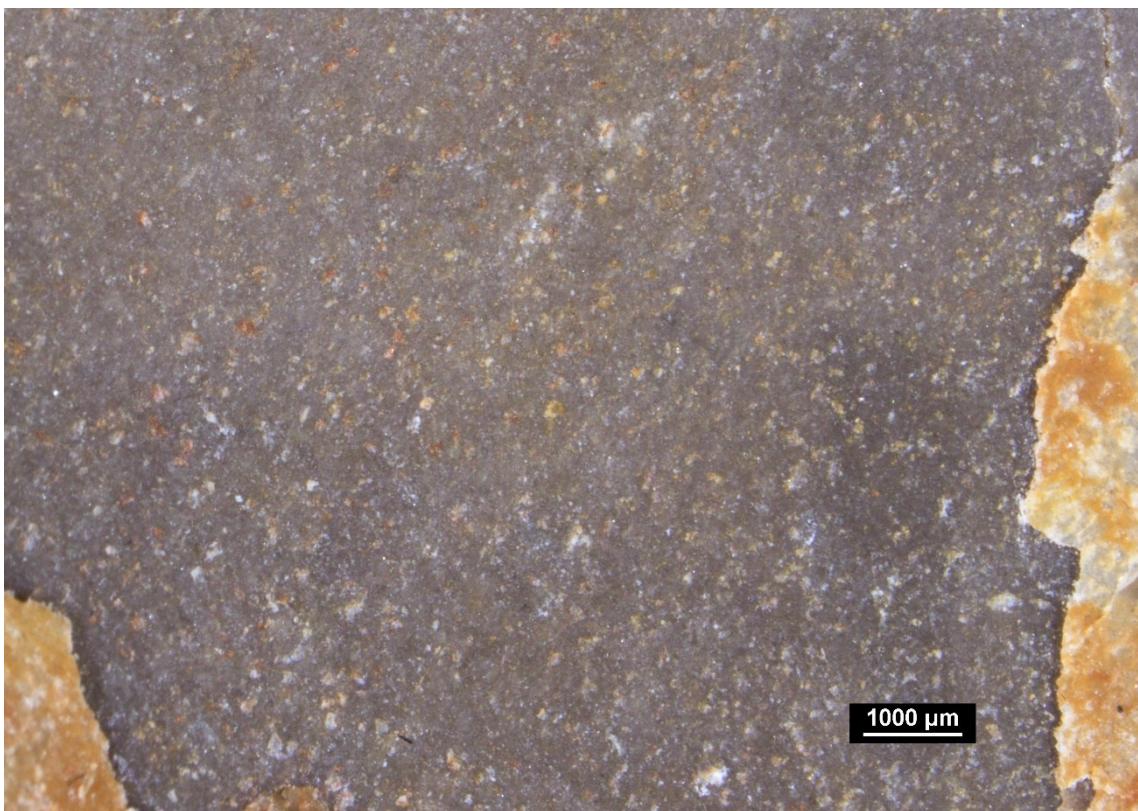
SP6_003 (PPL and XPL)



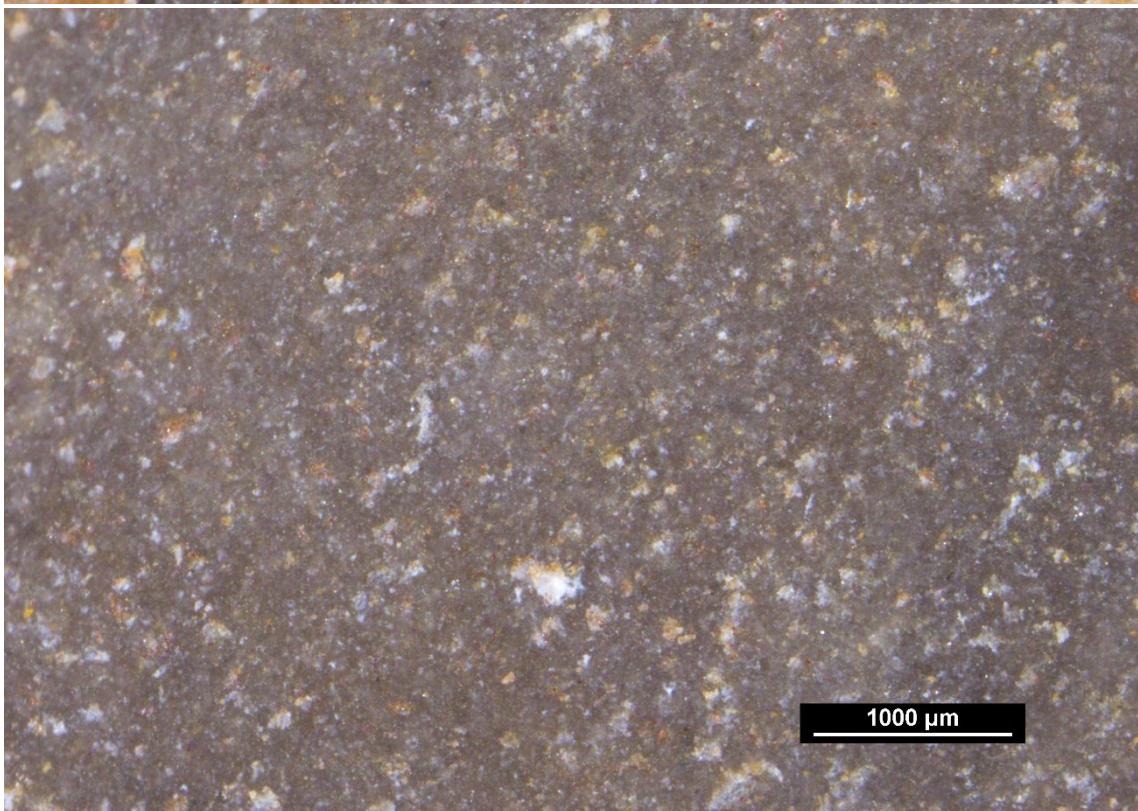
SP6_004 (PPL and XPL)



SP6_00 (PPL and XPL)



1000 μm



1000 μm



1000 μm



1000 μm

