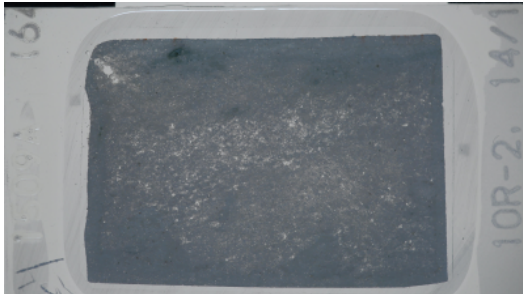


THIN SECTION LABEL ID: **371-U1509A-10R-2-W 14/16-TSB-TS64** Thin section no.: 64  
 Observer: MG Unit/subunit: Unit Ia  
 Thin section summary: Section from calcareous chalk with green spots. Intraclastic wackestone, with traces of rather recrystallized bioclasts. The green spots look like semi-opaque authigenic minerals

Plane-polarized: 43258851



Cross-polarized: 43258871



### Sediments and Sedimentary Rock

**Complete Lithology Name:** intraclastic wackestone

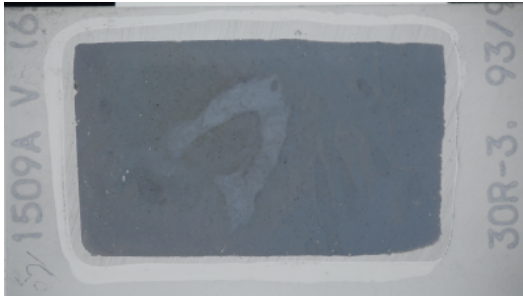
**Remarks:** Section from calcareous chalk with green spots. Bioclasts are rather recrystallized. The green spots look like semi-opaque authigenic minerals

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		25	5		70	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent		100		

THIN SECTION LABEL ID: **371-U1509A-30R-3-W 93/96-TSB-TS65** Thin section no.: 65  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Section from bioturbated nannofossil chalk. Wackestone with intraclasts and rare bioclasts. Intraclasts mainly derived from micritized bioclasts.

Plane-polarized: 43218571



Cross-polarized: 43218591



### Sediments and Sedimentary Rock

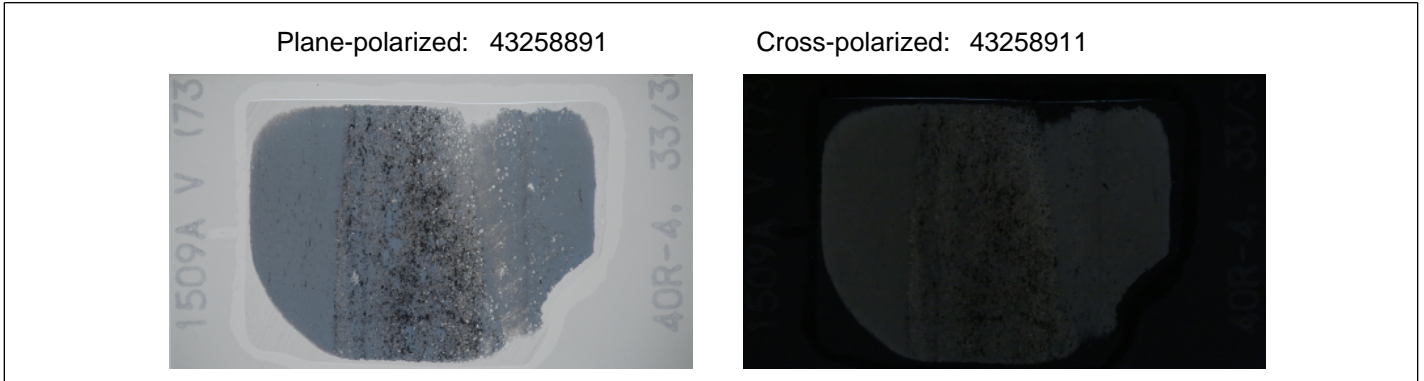
**Complete Lithology Name:** wackestone with intraclasts

**Remarks:** Section from bioturbated nannofossil chalk. Intraclasts mainly derived from micritized bioclasts.

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		20			80	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent		100		

THIN SECTION LABEL ID: **371-U1509A-40R-4-W 33/38-TSB-TS73** Thin section no.: 73  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Section from a coarse black layer within calcareous chalk. Foraminiferal packstone within wackestone with foraminifera. Dominant foraminifera, common micrite and cement, formed by authigenic sulfides locally filling the forams chambers and replacing the micrite.



**Sediments and Sedimentary Rock**

**Complete Lithology Name:** foraminiferal packstone

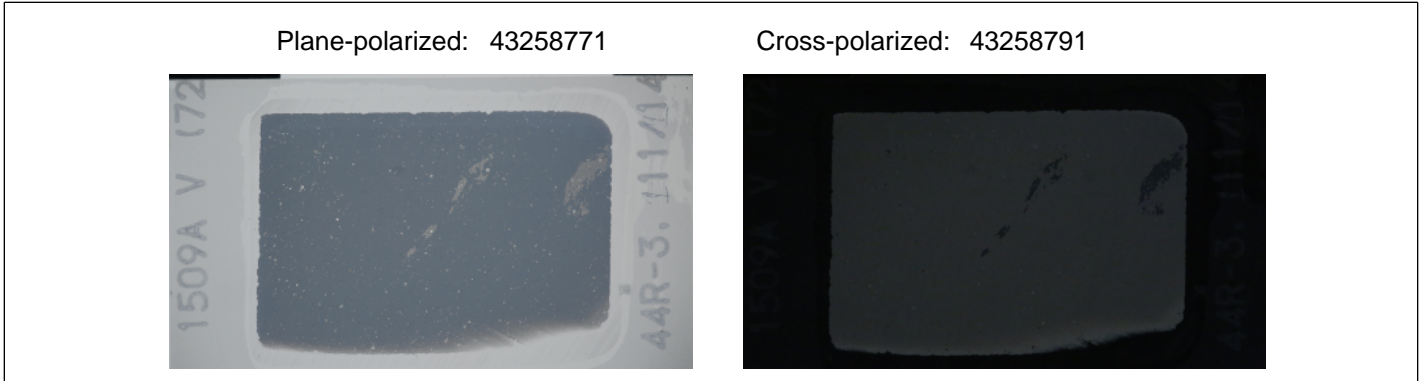
**Remarks:** Section from a coarse black layer within calcareous chalk. Cement is formed by authigenic sulfides locally filling the forams chambers and replacing the micrite.

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		70			20	10

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent		99		1

THIN SECTION LABEL ID:	<b>371-U1509A-44R-3-W 111/114-TSB-TS72</b>	Thin section no.:	72
Observer:	MG	Unit/subunit:	Unit Ic
Thin section summary:	Wackestone with foraminifera. Presence of irregular silicified spots and partly silicified bioclasts.		



### Sediments and Sedimentary Rock

**Complete Lithology Name:** wackestone with foraminifers

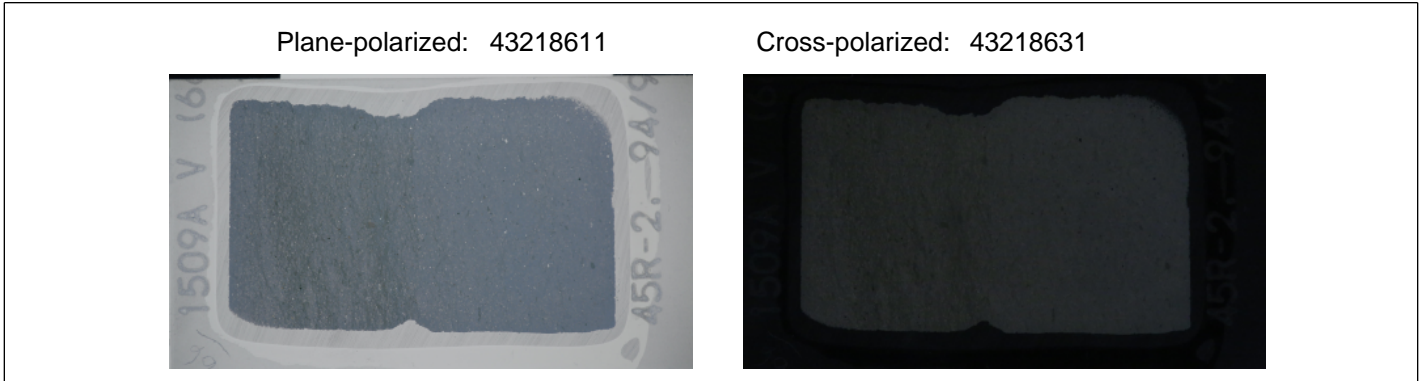
**Remarks:** Presence of irregular silicified spots and partly silicified bioclasts.

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		5	15		80	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent		100		

THIN SECTION LABEL ID: **371-U1509A-45R-2-W 94/97-TSB-TS66** Thin section no.: 66  
 Observer: MG Unit/subunit: Unit 1c  
 Thin section summary: Foraminiferal packstone with common micrite, and traces of lithics, bioclasts, and glauconite. Section from a contact between grayish and greenish micritic limestone with greenish grains, yet no major textural difference is observable in thin section. Foraminifera are rather recrystallized



**Sediments and Sedimentary Rock**

**Complete Lithology Name:** foraminiferal packstone

**Remarks:** Section from a contact between grayish and greenish micritic limestone with greenish grains, yet no major textural difference is observable in thin section. Foraminifera are rather recrystallized

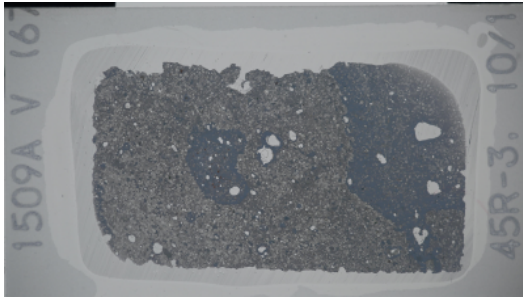
TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		75			25	

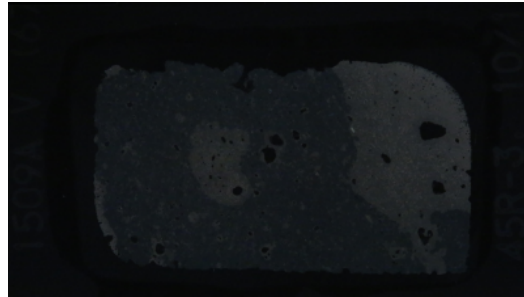
COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent		100		

THIN SECTION LABEL ID: **371-U1509A-45R-3-W 10/13-TSB-TS67** Thin section no.: 67  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Foraminiferal packstone with common micrite, rare intraclasts, and traces of bioclasts and glauconite. Section from a dark silicified stain with whitish non silicified parts. Both bioclasts and matrix are silicified, yet not destroyed. No textural difference between the silicified and non-silicified part.

Plane-polarized: 43218701



Cross-polarized: 43218721



### Sediments and Sedimentary Rock

**Complete Lithology Name:** foraminiferal packstone

**Remarks:** Section from a dark silicified stain with whitish non silicified parts. Both bioclasts and matrix are silicified, yet not destroyed. No textural difference between the silicified and non-silicified part.

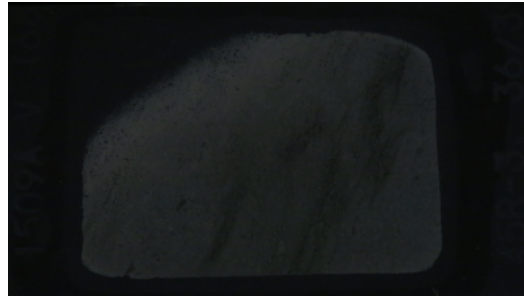
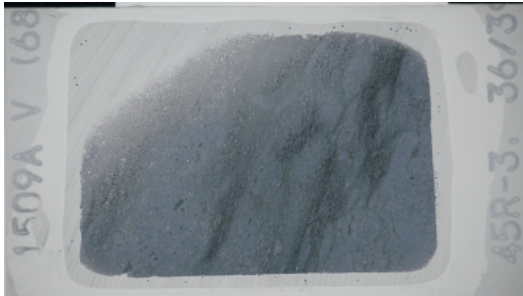
TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		70			30	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent		100		

THIN SECTION LABEL ID: **371-U1509A-45R-3-W 36/39-TSB-TS68** Thin section no.: 68  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Section from a slightly shear deformed calcareous chalk with green clay. Foraminiferal packstone with rare intraclasts and pyrite framboids, traces of lithics and other bioclasts. Bioclasts rather recrystallized.

Plane-polarized: 43218741

Cross-polarized: 43218761



### Sediments and Sedimentary Rock

**Complete Lithology Name:** foraminiferal packstone with pyrite

**Remarks:** Section from a slightly shear deformed calcareous chalk with green clay. Bioclasts rather recrystallized.

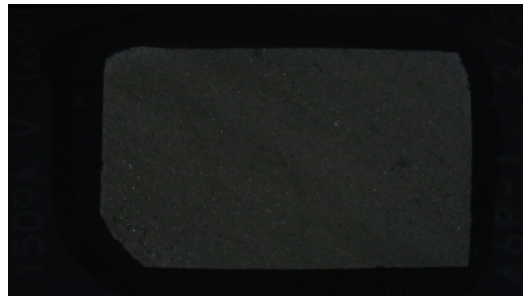
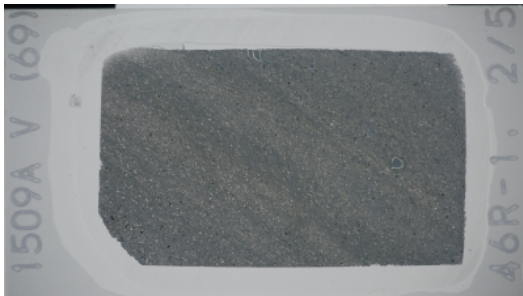
TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		50			50	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent	1	99		

THIN SECTION LABEL ID: **371-U1509A-46R-1-W 2/5-TSB-TS69** Thin section no.: 69  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Section from a greenish sandy calcareous layer. Packstone to grainstone with intraclasts. Dominant micrite, common intraclasts, traces of mafic volcanic grains, rather recrystallized bioclasts, and glauconite,

Plane-polarized: 43258811

Cross-polarized: 43258831



### Sediments and Sedimentary Rock

**Complete Lithology Name:** packstone with intraclasts

**Remarks:** Section from a greenish sandy calcareous layer. Carbonate rock with rather recrystallized grains, minor volcanic grains.

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		30	5		50	15

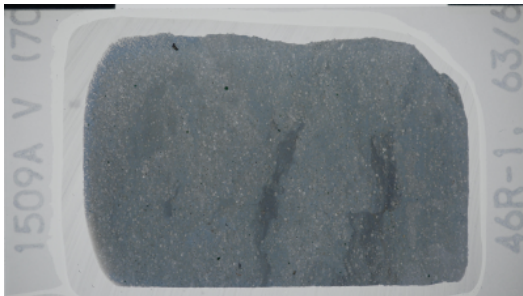
COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent	5	90		5



THIN SECTION LABEL ID: **371-U1509A-46R-1-W 63/66-TSB-TS70** Thin section no.: 70  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Section from a greenish slightly bioturbated micritic limestone. Foraminiferal wackestone with common intraclasts and traces of other bioclasts and glauconite, Bioclasts are rather recrystallized.

Plane-polarized: 43218781

Cross-polarized: 43218801



### Sediments and Sedimentary Rock

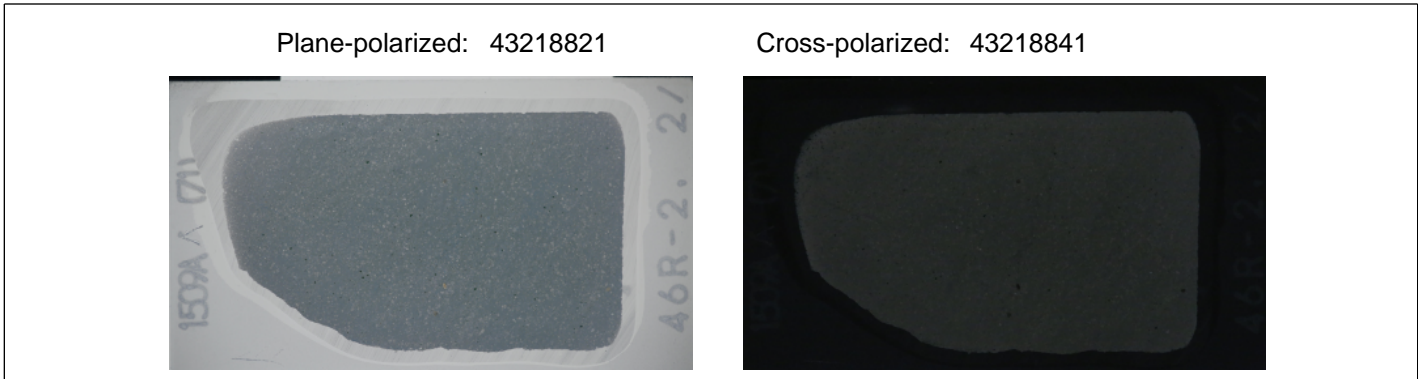
**Complete Lithology Name:** foraminiferal wackestone with intraclasts

**Remarks:** Section from a greenish slightly bioturbated micritic limestone. Bioclasts are rather recrystallized.

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		40			60	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent	1	99		

THIN SECTION LABEL ID: **371-U1509A-46R-2-W 2/5-TSB-TS71** Thin section no.: 71  
 Observer: MG Unit/subunit: Unit Ic  
 Thin section summary: Section from green micritic limestone 34cm above contact with unit II. Foraminiferal packstone with common intraclasts, traces of volcanic ash, other bioclasts, and glauconite. Bioclasts rather recrystallized



### Sediments and Sedimentary Rock

**Complete Lithology Name:** foraminiferal packstone with intraclasts

**Remarks:** Section from green micritic limestone 34cm above contact with unit II. Bioclasts rather recrystallized

TEXTURE	Gravel	Sand	Silt	Clay	Matrix	Cement
Percent		50			50	

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous	Ash
Percent	1	99		