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THIN SECTION LABEL ID	369-U1515A-10R-1-W 40/44-	TSB-TS81	Thin section no	o.: 81		
Observer:	CW		Unit/subunit:	Unit I-b		
Thin section summary:	7: This limestone is classified as a foraminifer rich packestone with chert. The rock has been silicified during diagenesis with microcrystalline silica replacing micrite in about 10% of the sample. Components comprise abundant foraminfera and quartz, common glauconite and shell fragments, rare diatoms and radiolarians with trace amount of cephalopods and plagioclase feldspar. Components are either supported in a micritic matrix or in a microcrystalline chert cement (chert).					
Plane-	polarized: 44791021	Cross-polarized:	44791091			
10R-1. 4	1515A		A VELC			
40/4	7 (81	40/4				

### Sediments and Sedimentary Rock

Complete	Lithology	Name:
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foraminifer-rich packstone with chert

### **Remarks:**

GRAIN SIZE	Gravel		Sand		Silt		Clay
Percent	0		60		20		30
COMPOSITION		<u> </u>		6			D'
COMPOSITION		SIII	ciclastic	C	alcared	bus	Biosiliceous
Mineral grains (%)		5		90	)		5
Cement (%)		0		0			0
Mineral grain						Abu	ndance
Quartz						A	
Plagioclase feldspar	agioclase feldspar				Т		
Glauconite				C			
Calcite	Calcite					D	
Biogenic material						Abu	ndance
Foraminifers						A	
Radiolarians			R				
Diatoms						R	
Shell fragments						С	
Cephalopods				Т			

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THIN SECTION LABEL ID	369-U1515A-14R-1-W 23/25-TSB-TS82	Thin section no.: 82
Observer:	CW	Unit/subunit: Unit I-b
Thin section summary:	This limestone is classified as a silicified lime diagenesis with microcrystalline silica replacin Parallel laminations are visible within the less of the same age but from different environme suggests that the lighter shade (and small ligh more silicified portions are probably intraclast less variety of fossils with more foraminifera of silica. From core observations, this is unlikely individual clasts between 23 and 25 in core 1 wackestone include common foraminifera, co fragments and quartz with rare diatoms and g micritic matrix that has been partially cemente	ng micrite in at least half the sample. silicified portion. Mixed fossil assemblage nts (based on paleontologic observation) hter patches visible megascopically) or s. They show less preserved spicules and chambers that are completely filled with to be a breccia owing to the lack of 4R-1. Components in this silicified mmon radiolarians, sponge spicules. shell glauconite. Components are supported in a
Plane-p	polarized: 44773041 Cross-polariz	ed: 44773061



# Sediments and Sedimentary Rock

Complete Lithology Name: silicified wackestone

Remarks:

GRAIN SIZE	Gravel	Sand	Silt	Clay
Percent		20	20	60

COMPOSITION	Siliciclastic	Calcareous	Biosiliceous
Mineral grains (%)	5	80	15
Cement (%)	50	0	0

MINERAL GRAIN ROUNDNESS	MINERAL GRAIN SORTING		
subangular	moderate		
Mineral grain		Abundance	
Quartz		С	
Glauconite		R	
Calcite		D	

Biogenic material	Abundance
Foraminifers	A
Radiolarians	С
Diatoms	R
Shell fragments	С
Sponge spicules	С

THIN SECTION LABEL ID3Observer:0Thin section summary:1

#### 369-U1515A-15R-1-W 73/75-TSB-TS83

#### CW

Thin section no.: 83

Unit/subunit: Unit I-b

This sandstone is classified as a rounded, poorly sorted arkose with glauconite. Grains comprise abundant plagioclase feldspar, common glauconite, rare lithic fragments (siltstone and sandstone), quartz and foraminifera with traces of zircon and epidote (or biotite). Grains are supported in the sparitic cement. Many of the feldspar grains exhibit a microperthic texture.

Cross-polarized: 44773081

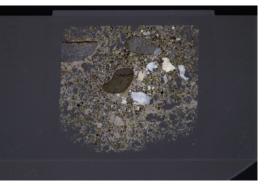


### Sediments and Sedimentary Rock

Complete Lithology Name:	arkose with glauconite
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**Remarks:** 

GRAIN SIZE	Gravel		Sand		Silt		Clay
Percent	10		50		40		
COMPOSITION		Sili	ciclastic	C	alcared	ous	Biosiliceous
Mineral grains (%)		90		1(	)		0
Cement (%)		0		1(	00		0
MINERAL GRAIN ROUNDNESS			MINERAL GRAIN SORTING			NG	
rounded			very poor				
Mineral grain						Abu	ndance
Quartz			R				
Plagioclase feldspar			A				



THIN SECTION LABEL ID:	369-U1515A-43R-CC-W 7/10-T	SB-TS84	Thin section no	.: 84
Observer:	CW		Unit/subunit:	Unit II-b
Thin section summary:	This igneous rock is a coarse g of abundant alkali feldspar (mic phanerocrystalline (crystals visi approximately the same size) a	rocline) and quartz wit ble to the naked eye),	h traces of zircon. Th equigranular (crystal	e granite is
Plane-p	polarized: 44811101	Cross-pola	arized: 44811121	
438-00,	1515A			1515A -

Igneous Pet	rology		
Lithology:	Granite	Avg. grain size:	Coarse grained
Texture:	phanerocrystalline	Max grain size:	4 mm

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THIN SECTION LABEL ID Observer: Thin section summary:	<b>369-U1515A-46R-2-W 84/86</b> CW This sedimentary rock is clas feldspar consisting of abunda feldspar and muscovite mica cement.	Thin section no.: 85 Unit/subunit: Unit II sified as a subangular, poorly sorted sandstone with ant quartz, common plagioclase feldspar, rare microcli with traces of haematite. Grains are bound by a calcit	
Plane-p	oolarized: 44811141	Cross-polarized: 44811161	
46R-2. 84/86	1515A (85)		

# Sediments and Sedimentary Rock

Complete Lithology Name:

sandstone with feldspar

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**Remarks:** 

Hematite

GRAIN SIZE	Gravel		Sand		Silt		Clay	
Percent	0		50		20		30	
							-	
COMPOSITION			Siliciclastic		Calcareous		Biosiliceous	
Mineral grains (%)			100		0		0	
Cement (%)					100		0	
MINERAL GRAIN ROUNDNESS MINERAL GRAIN S							NG	
subangular	poor							
Mineral grain						Abundance		
Quartz						A		
Plagioclase feldspar						C		
Microcline feldspar						R		
Muscovite mica						R		
Calcite						D		