

# Expedition 401

## Visual core description legend

### Lithology

	Conglomerate		Breccia		Highly disturbed mixed sediment
	Mud		Calcareous mud		Silty mud
	Sandy mud		Calcareous sandy mud		Calcareous silty mud
	Sand		Calcareous sand		Muddy sand
	Silty sand		Calcareous silty sand		Biogenic silty sand
	Sandstone		Calcareous sandstone		Cemented silty sand
	Silt		Sandy silt		Calcareous sandy silt
	Calcareous silt		Biogenic silt		Calcareous siltstone
	Dolostone		Dolomitic sandy silt		Dolomitic silt
	Dolomitic silty mud		Silty calcareous ooze		
	Calcareous ooze		Clayey calcareous ooze		
	Calcareous clay		Calcareous silty clay		
	Cemented carbonate		Aragonite		

### Drilling disturbance type

- Biscuiting
- Brecciated
- Core extension
- Crack
- Extruded
- Flow-in
- Gas expansion
- Mixed sediment
- Pulverized
- Slurry
- Soupy
- Up arching
- Void

### Drilling disturbance degree

- Slightly disturbed
- Moderately disturbed
- Strongly disturbed
- Severely disturbed

### Sedimentary structures

- Cross-lamination
- Normal grading
- Inverse grading
- Lamina
- Lamination
- Lens

Graphic keys for VCDs, Expedition 401. Top: lithology patterns. Bottom: sedimentary structure, bedding, and bioturbation symbols.

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Patterns	Colors
□ Nannofossil mud	Grayish brown/Reddish (2.5Y 3/1, 2.5Y 4/2, 10YR 5/1, 10YR 6/1)
▨ Calcareous silty mud	Greenish gray/Dark greenish gray/Olive-gray (5GY 4/1, 5Y 4/1, 5Y 4/2, 10Y 4/1, 10Y 5/1, 10GY 4/1)
▢ Sandy silt/Sandy mud	Very dark greenish gray (10Y 3/1)
▢ Silty bioclastic sand	
▢ Debrete	
SS Contorted strata/Slump	
▢ Granules/Pebbles	
~ Bioturbation	
↷ Shell fragment	
↷ Shell	
leaf Plant/Wood debris	
== Parallel lamination	
↖ Cross-lamination	
— Sharp contact	
— Irregular contact	
~~ Erosional contact	
Py Pyrite	

Graphic key for hand-drawn sedimentary logs, Expedition 401. Legends may vary slightly between sites.