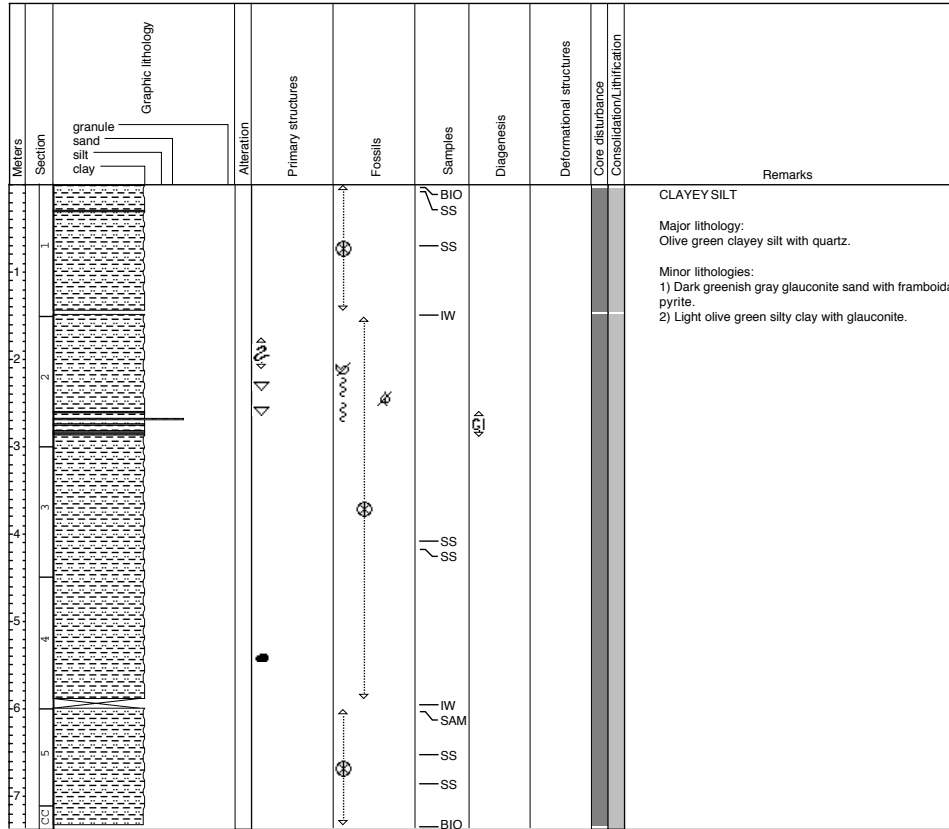


Site 1041, Hole A, Core 1H - Cored: 0.00 - 7.40 mbsf

1041A-1H

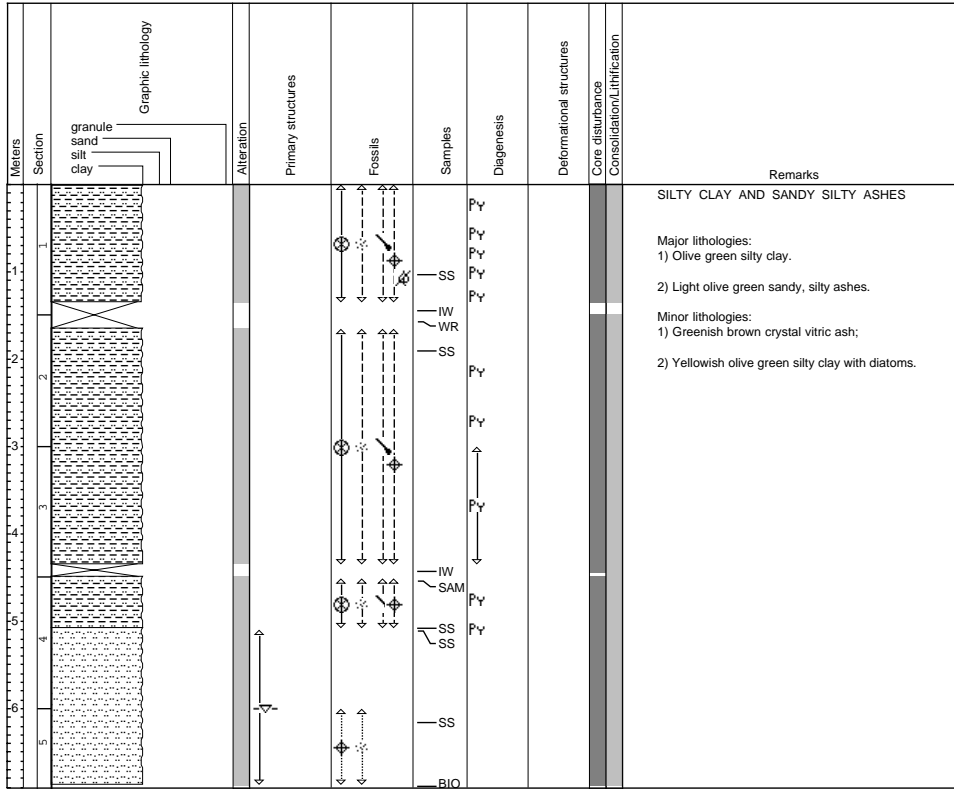


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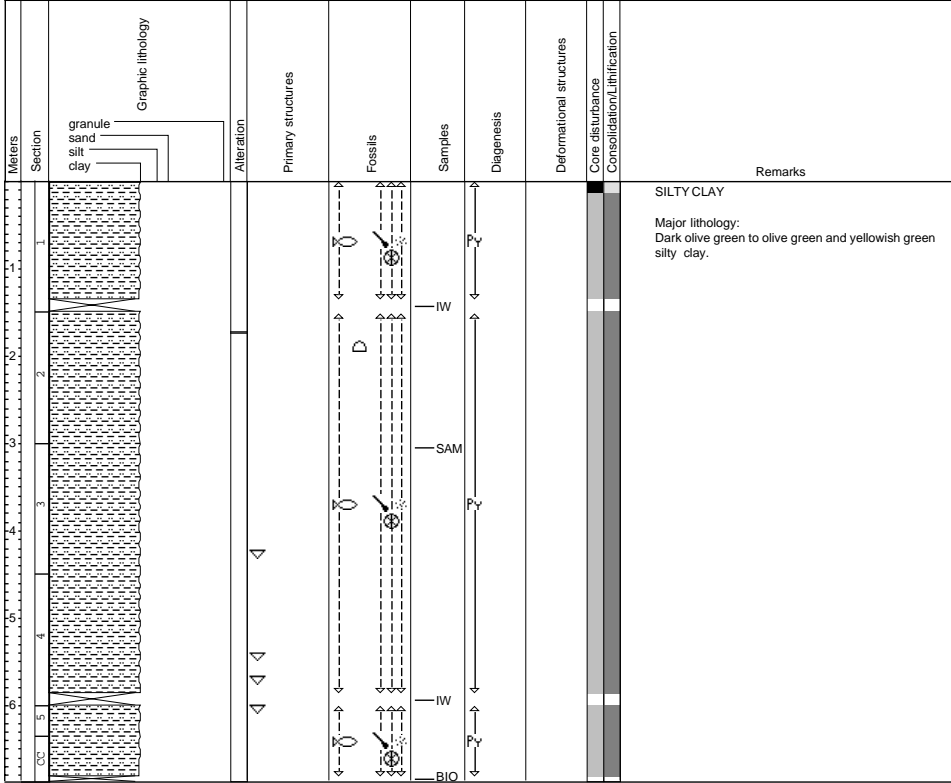
Site 1041, Hole A, Core 2H - Cored: 7.40 - 14.30 mbsf



1041A-2H

Site 1041, Hole A, Core 3X - Cored: 14.30 - 23.40 mbsf

1041A-3X



Site 1041, Hole A, Core 4X - Cored: 23.40 - 32.40 mbsf

Meters	Section	Graphic lithology	Alteration	Primary structures	Fossils	Samples	Diagenesis	Deformational structures	Core disturbance Consolidation/Lithification	Remarks
1	CC	granule sand silt clay				SAM IW BIO				<p>SILTY CLAY</p> <p>Major lithology: Dark olive green silty clay.</p> <p>Minor lithology: Dark gray vitric ash with framboids.</p>

1041A-4X

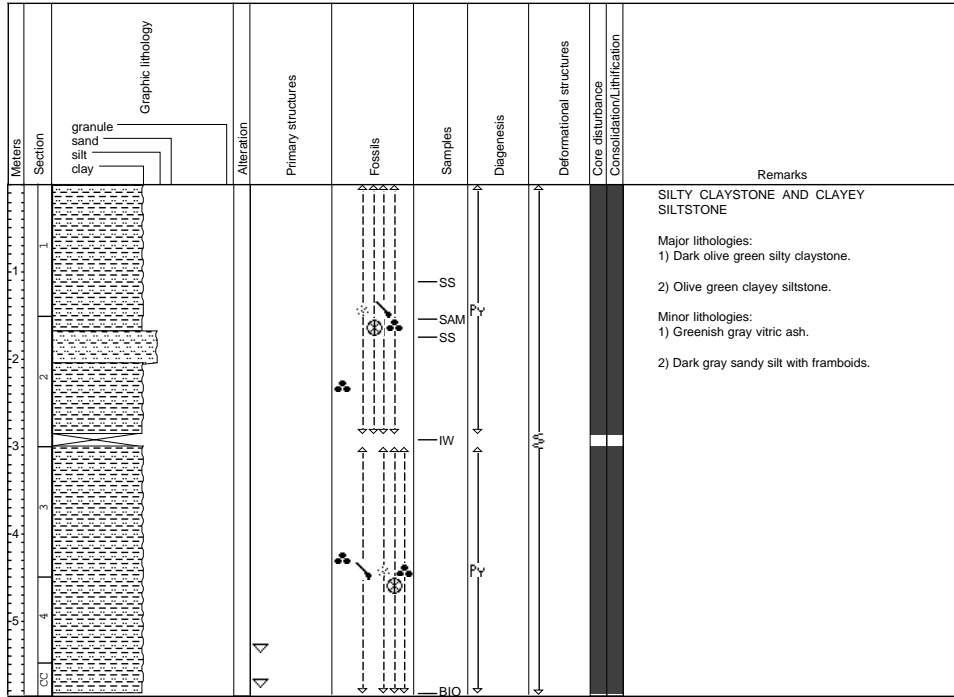
1041A-5X

Site 1041, Hole A, Core 5X - Cored: 32.40 - 35.40 mbsf

Meters	Section	Graphic lithology	Alteration	Primary structures	Fossils	Samples	Diagenesis	Deformational structures	Core disturbance Consolidation/Lithification	Remarks
1	CC	granule sand silt clay				SAM BIO				<p>SILTY CLAY AND CLAYEY SILT</p> <p>Major lithologies: 1) Olive green silty clay. 2) Dark olive green clayey silt.</p>

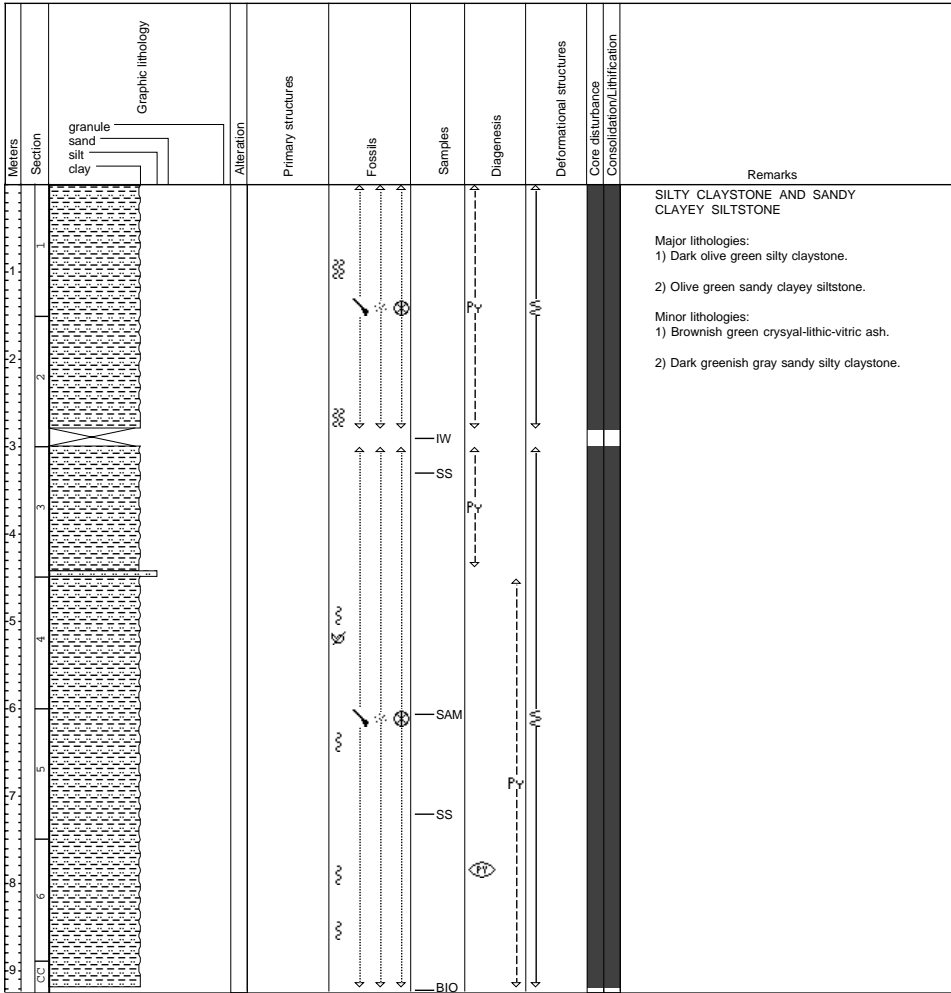
Site 1041, Hole A, Core 6X - Cored: 35.40 - 41.50 mbsf

1041A-6X



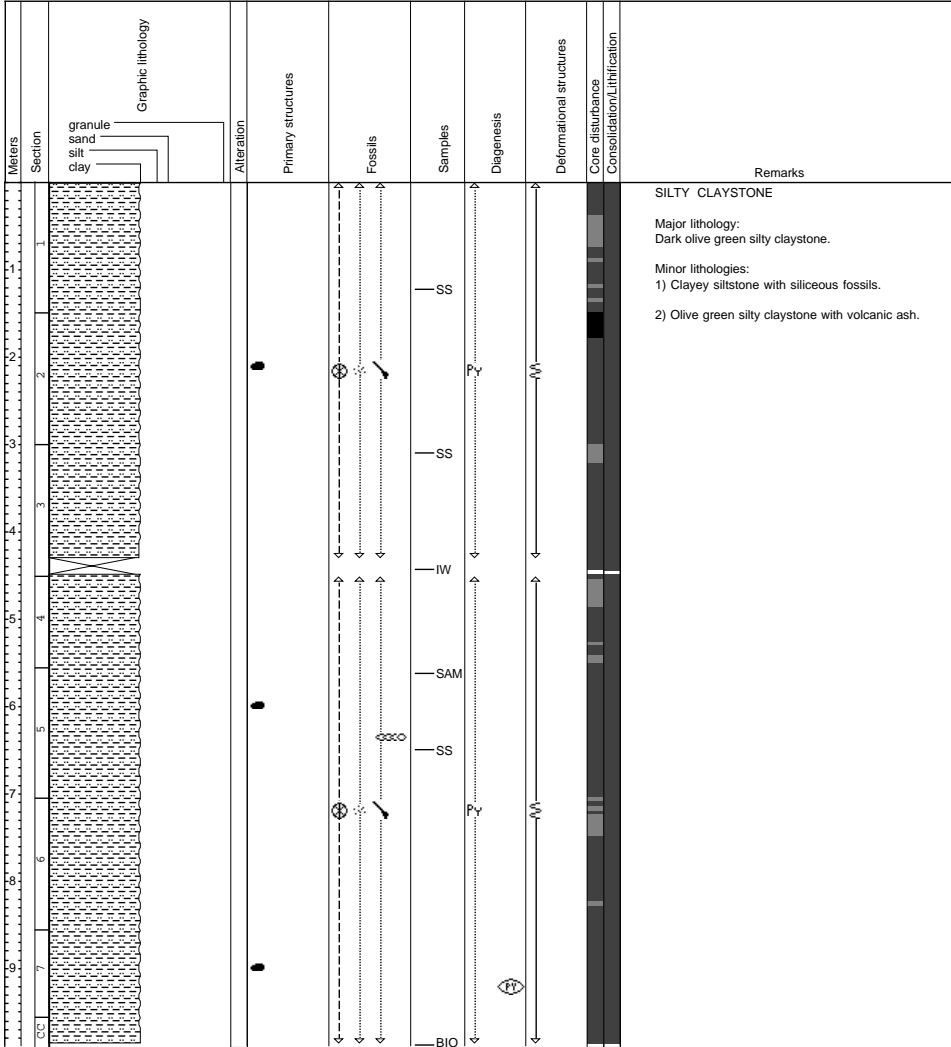
Site 1041, Hole A, Core 7X - Cored: 41.50 - 50.60 mbsf

1041A-7X



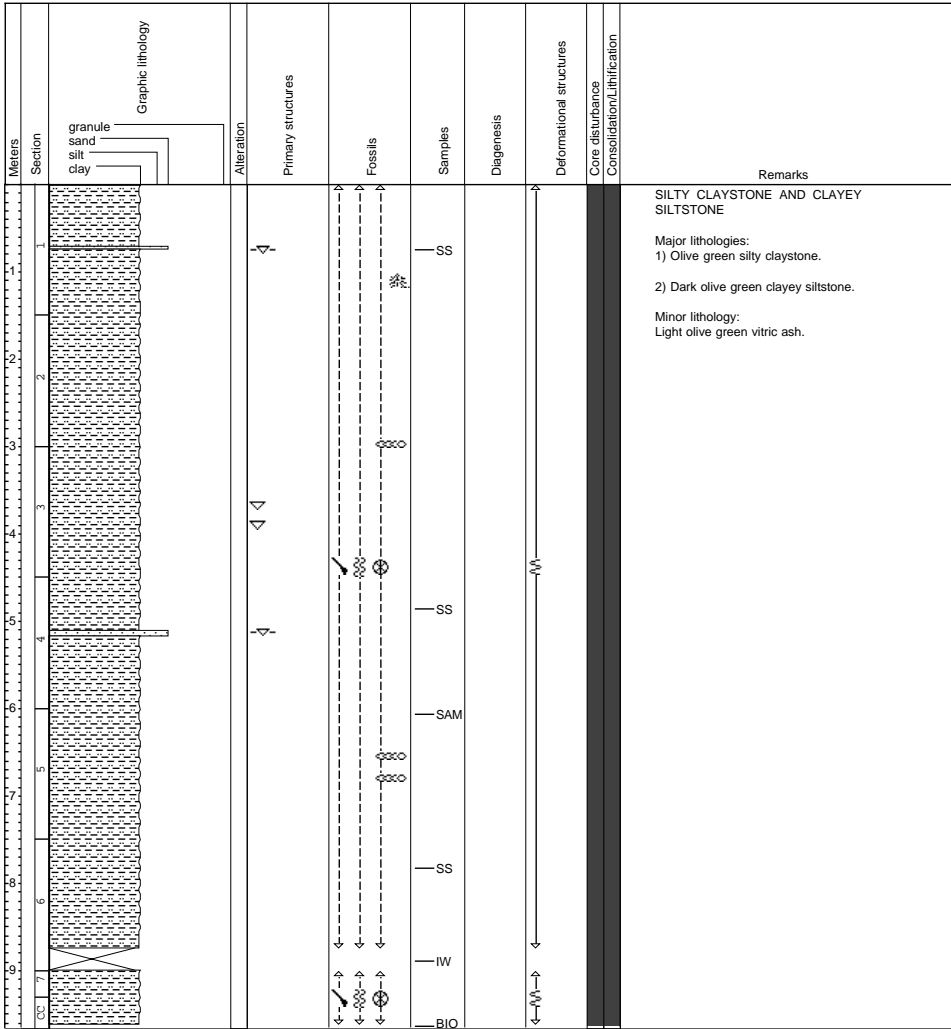
Site 1041, Hole A, Core 8X - Cored: 50.60 - 59.60 mbsf

1041A-8X



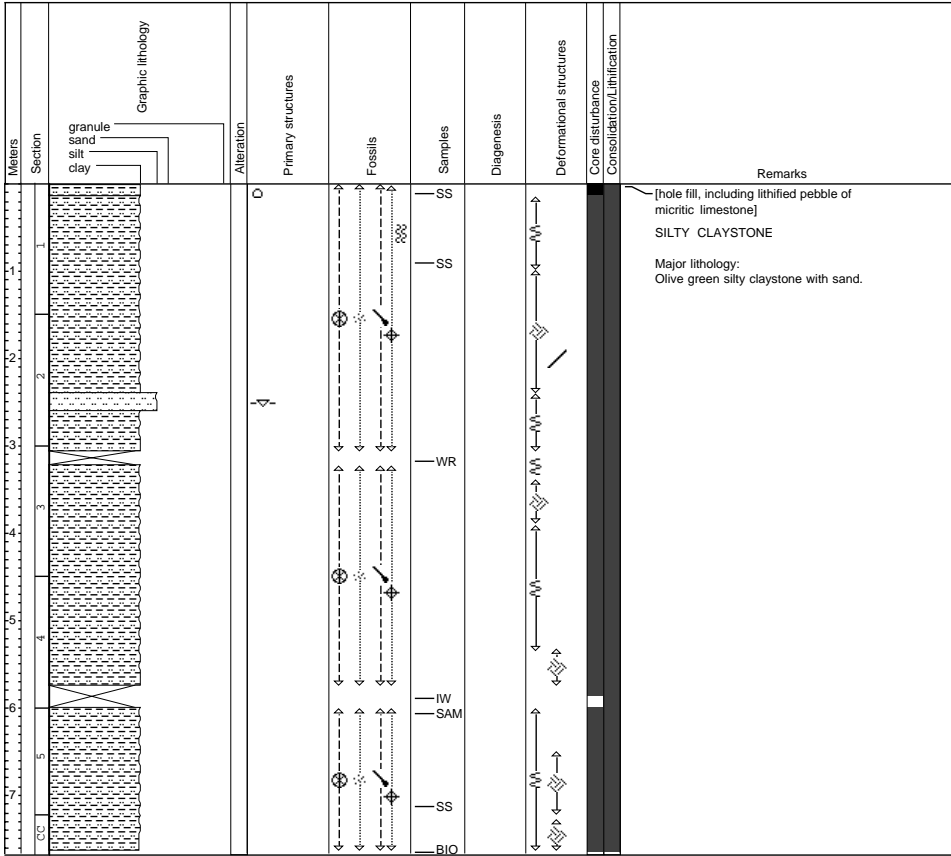
Site 1041, Hole A, Core 9X - Cored: 59.60 - 68.60 mbsf

1041A-9X



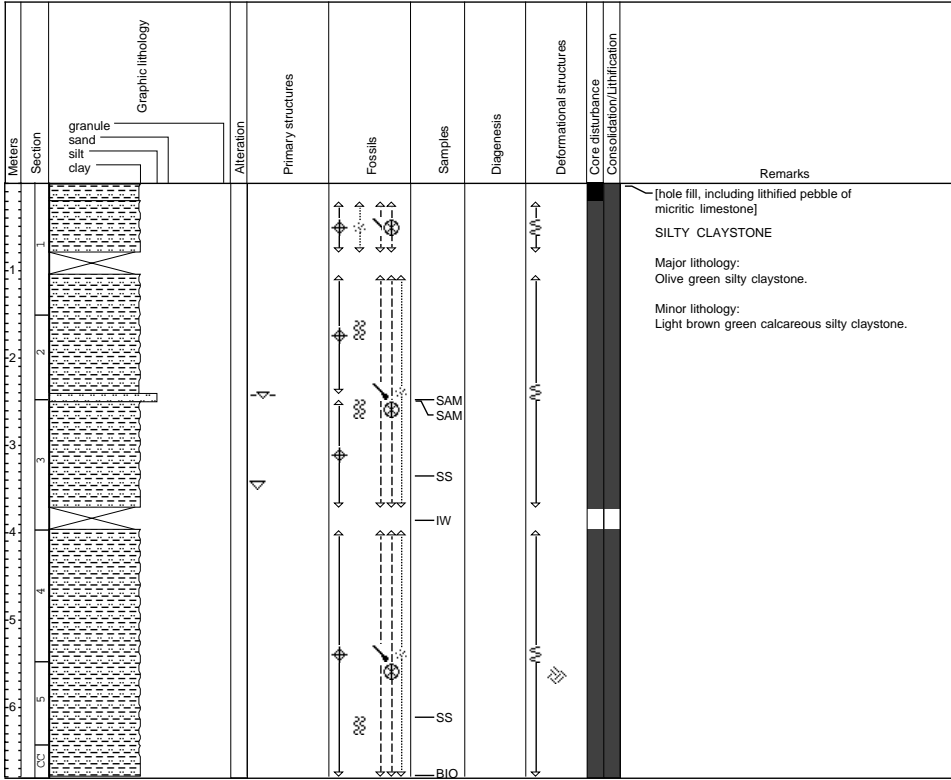
Site 1041, Hole A, Core 10X - Cored: 68.60 - 78.20 mbsf

1041A-10X



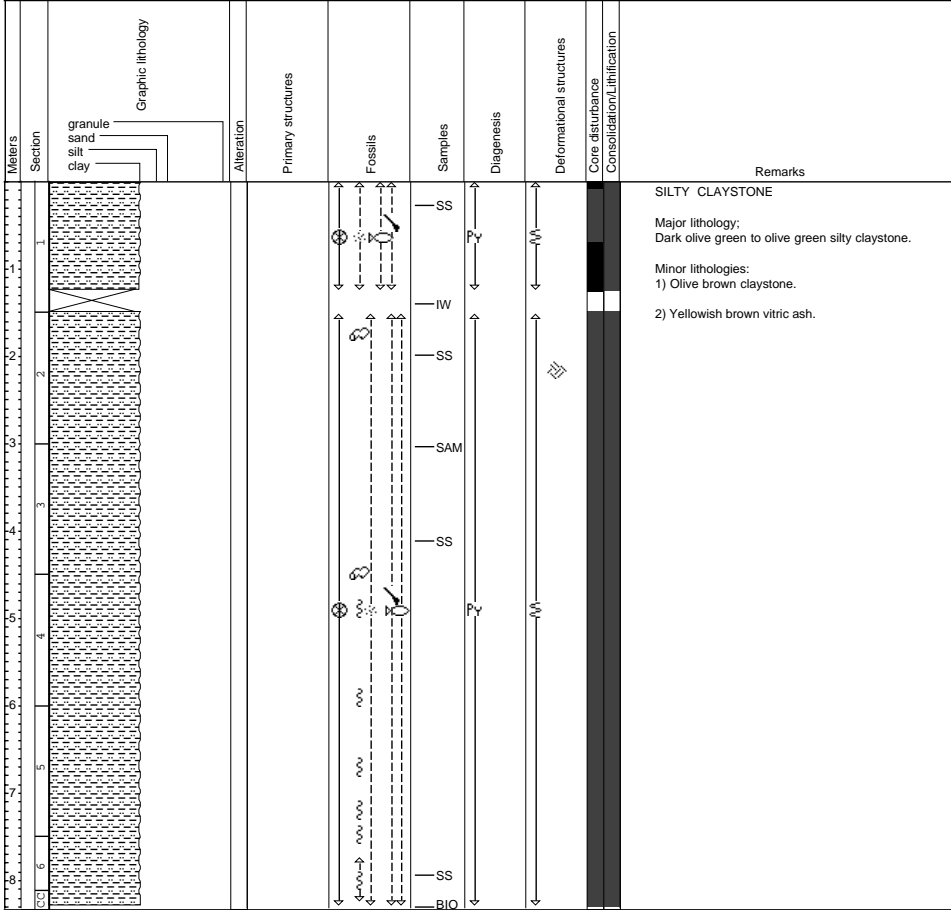
Site 1041, Hole A, Core 11X - Cored: 78.20 - 87.90 mbsf

1041A-11X

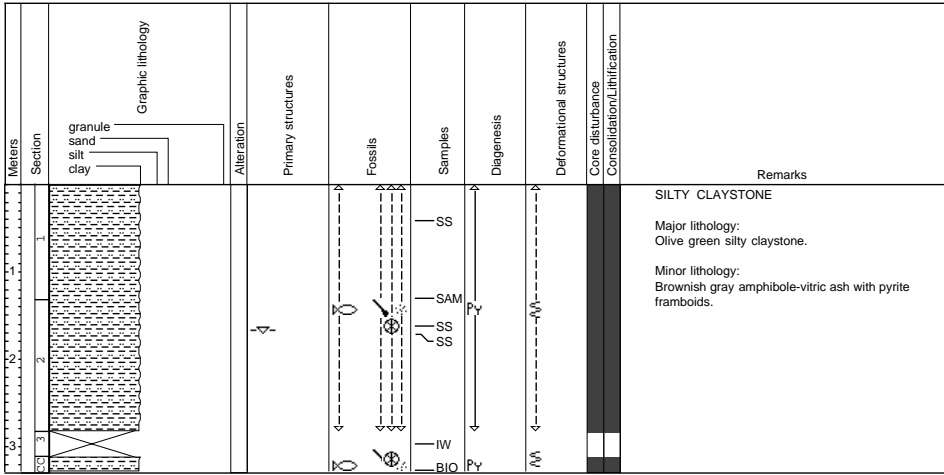


Site 1041, Hole A, Core 12X - Cored: 87.90 - 97.50 mbsf

1041A-12X



Site 1041, Hole A, Core 13X - Cored: 97.50 - 107.10 mbsf

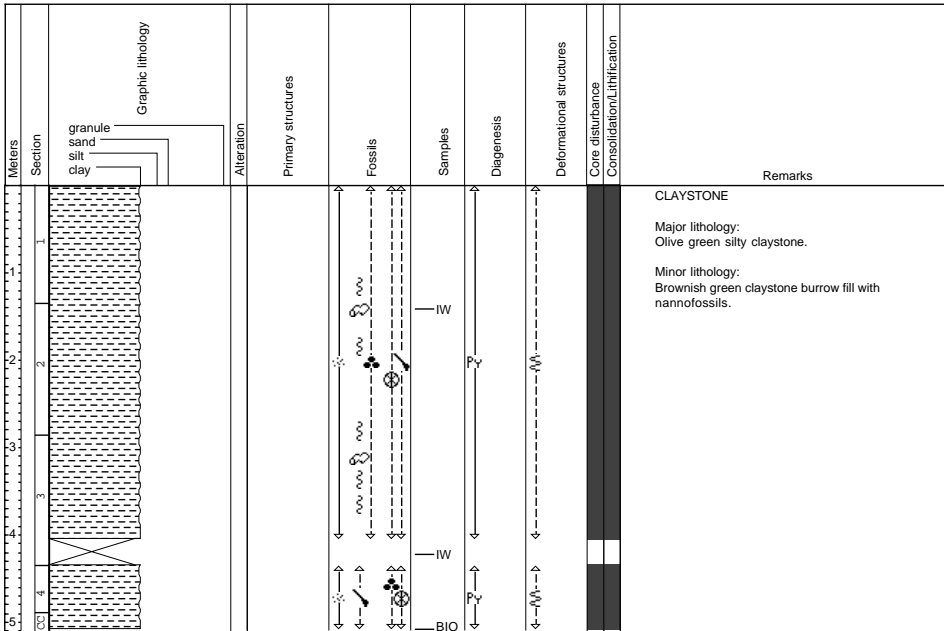


1041A-13X

1041A-14X

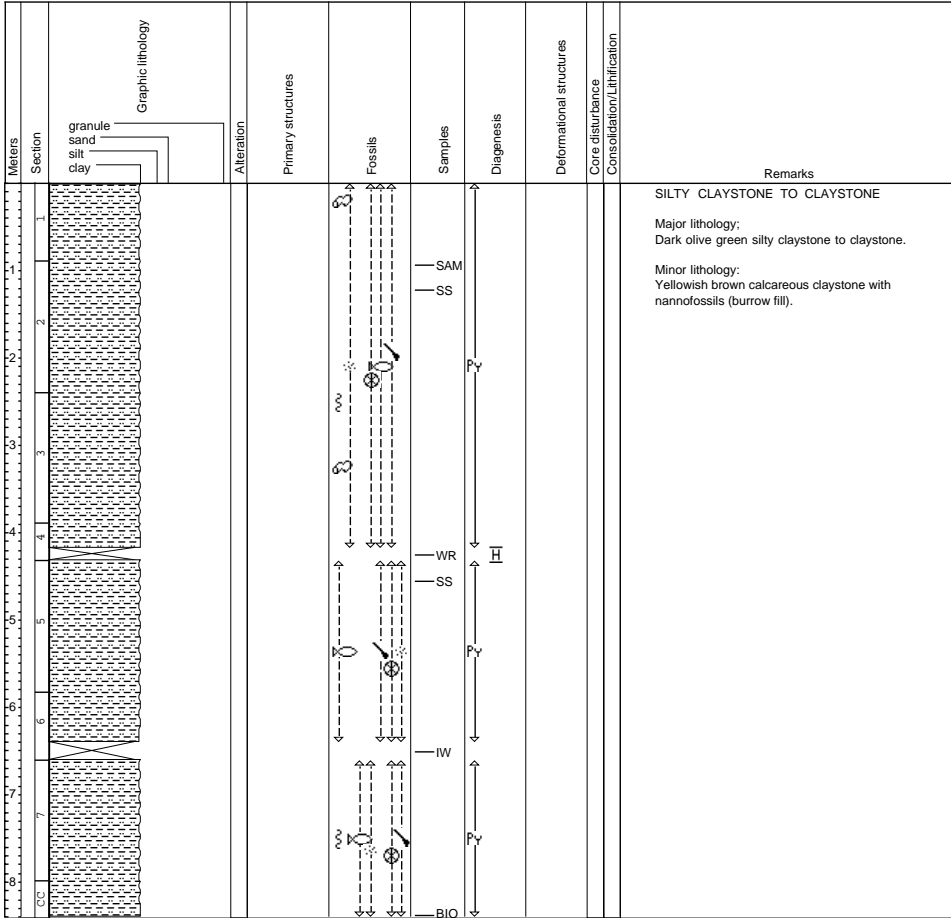
SITE 1041

Site 1041, Hole A, Core 14X - Cored: 107.10 - 116.70 mbsf

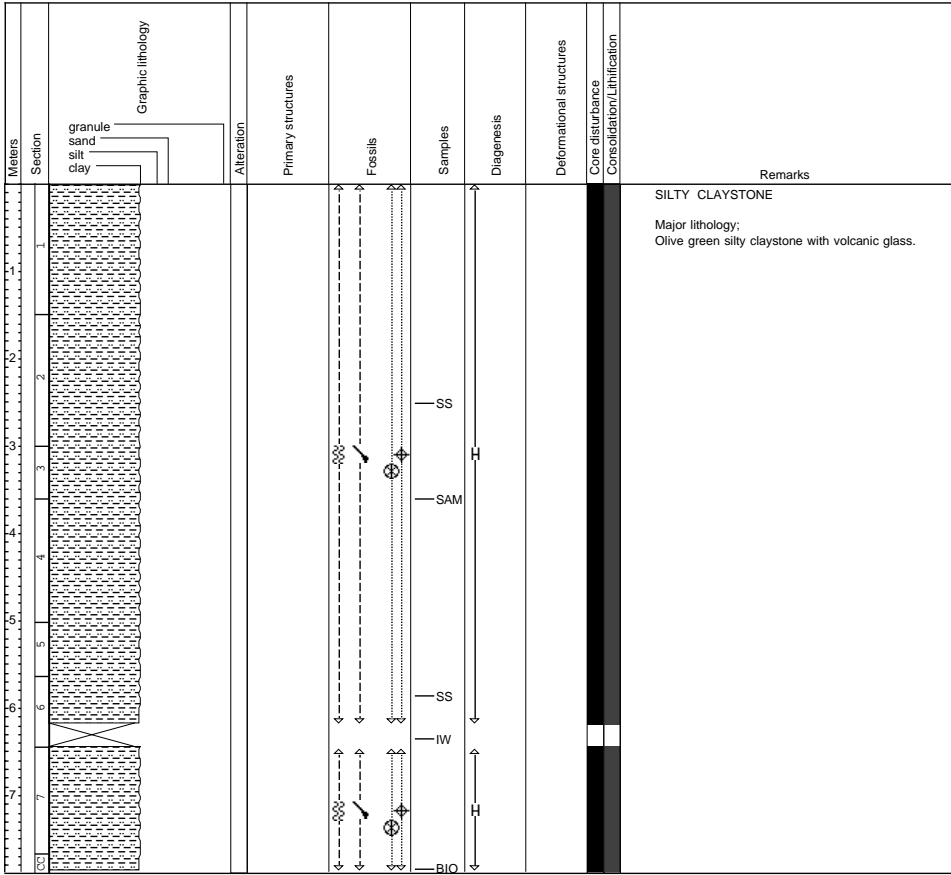


Site 1041, Hole A, Core 15X - Cored: 116.70 - 126.40 mbsf

1041A-15X



Site 1041, Hole A, Core 16X - Cored: 126.40 - 135.90 mbsf



1041A-16X

Site 1041, Hole A, Core 17X - Cored: 135.90 - 145.50 mbsf

1041A-17X

1041A-18X

Meters	Section	Graphic lithology	Alteration	Primary structures	Fossils	Samples	Diagenesis	Deformational structures	Core disturbance Consolidation/Lithification	Remarks
0	1	granule sand silt clay								CLAYSTONE Major lithology: Grayish olive green claystone. [hole fill, entire section 1 and top of section 2, including clast of dolomite]
1	2					SS IW SAM SS BIO				

Site 1041, Hole A, Core 18X - Cored: 145.50 - 155.10 mbsf

Meters	Section	Graphic lithology	Alteration	Primary structures	Fossils	Samples	Diagenesis	Deformational structures	Core disturbance Consolidation/Lithification	Remarks
0	1	granule sand silt clay				SS				SILTY CLAYSTONE Major lithology: Dark olive green to grayish olive green silty claystone with ash in fragments. In section 1 clast of carbonate cemented ash. Drillers reported 9 m of fill in the hole taking this core. The entire core is suspect and probably entirely hole fill.
1	2					SAM				
2	3					SS				
3	4					IW SAM				
4	5					SAM				

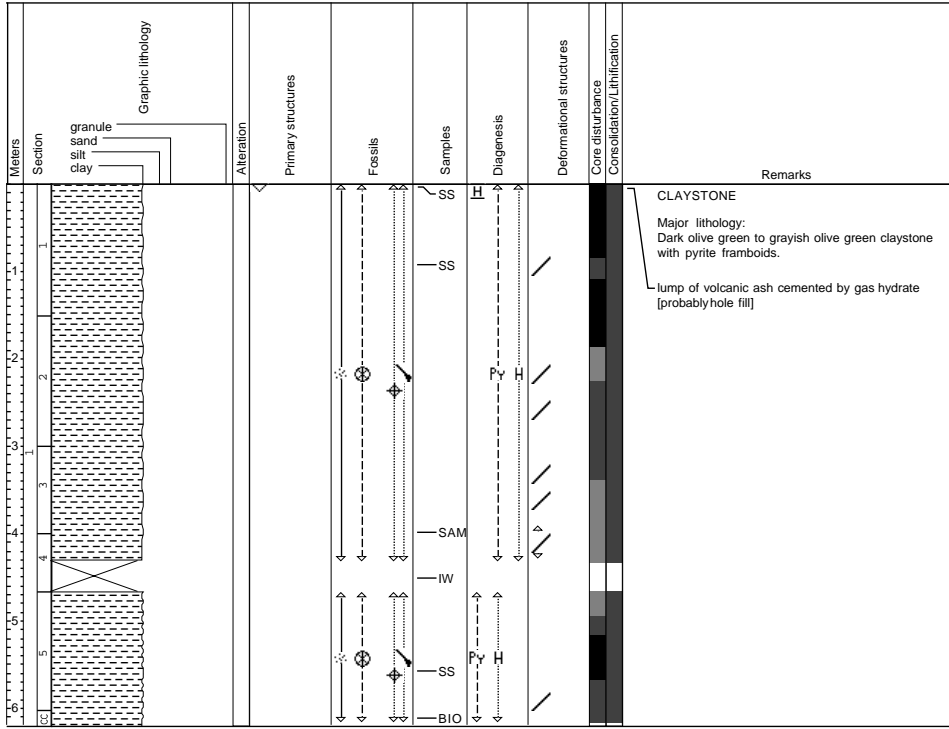
Site 1041, Hole B, Core 1R - Cored: 155.00 -164.60 mbsf

1041B-1R

Meters	Section	Graphic lithology	Alteration	Primary structures	Fossils	Samples	Diagenesis	Deformational structures	Core disturbance Consolidation/Lithification	Remarks
0	1	granule				SS				<p>CLAYSTONE</p> <p>Major lithology: Dark olive brownish green to grayish olive green claystone with carbonate and framboidal pyrite.</p> <p>Minor lithology: Clasts of light grayish olive green dolomite.</p>
1	2		◆							
2	3					SAM				
3	4					SAM				
4	5		◆			SS				
5	6					IW BIO				

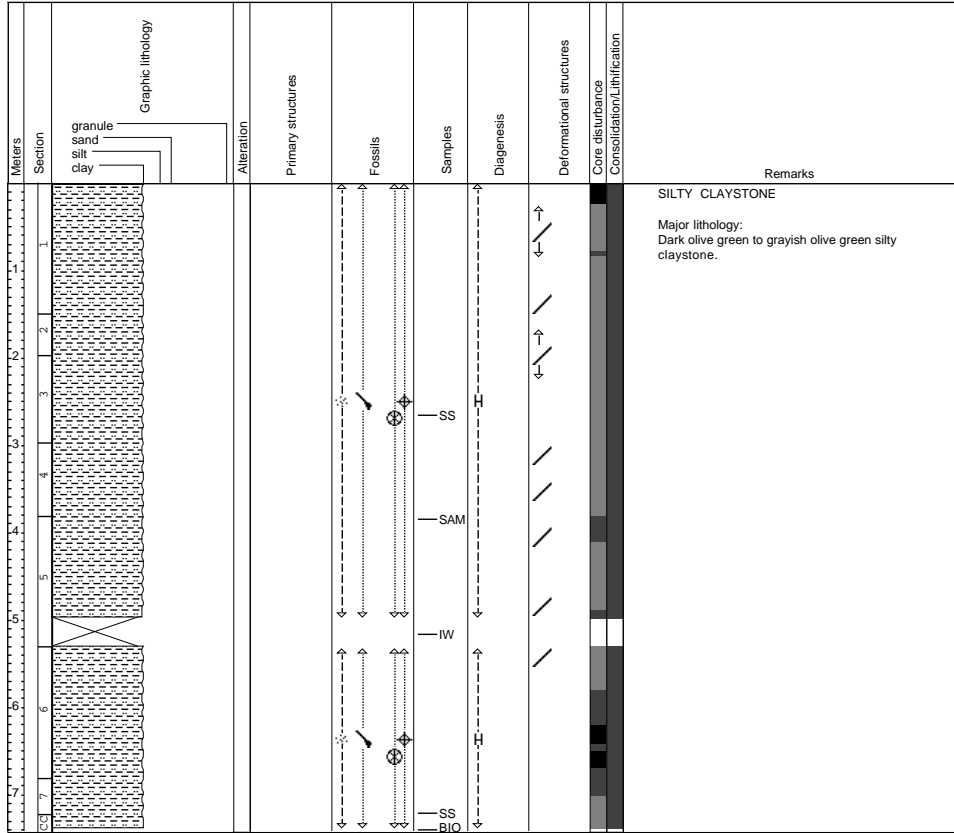
Site 1041, Hole B, Core 2R - Cored: 164.60 - 174.20 mbsf

1041B-2R



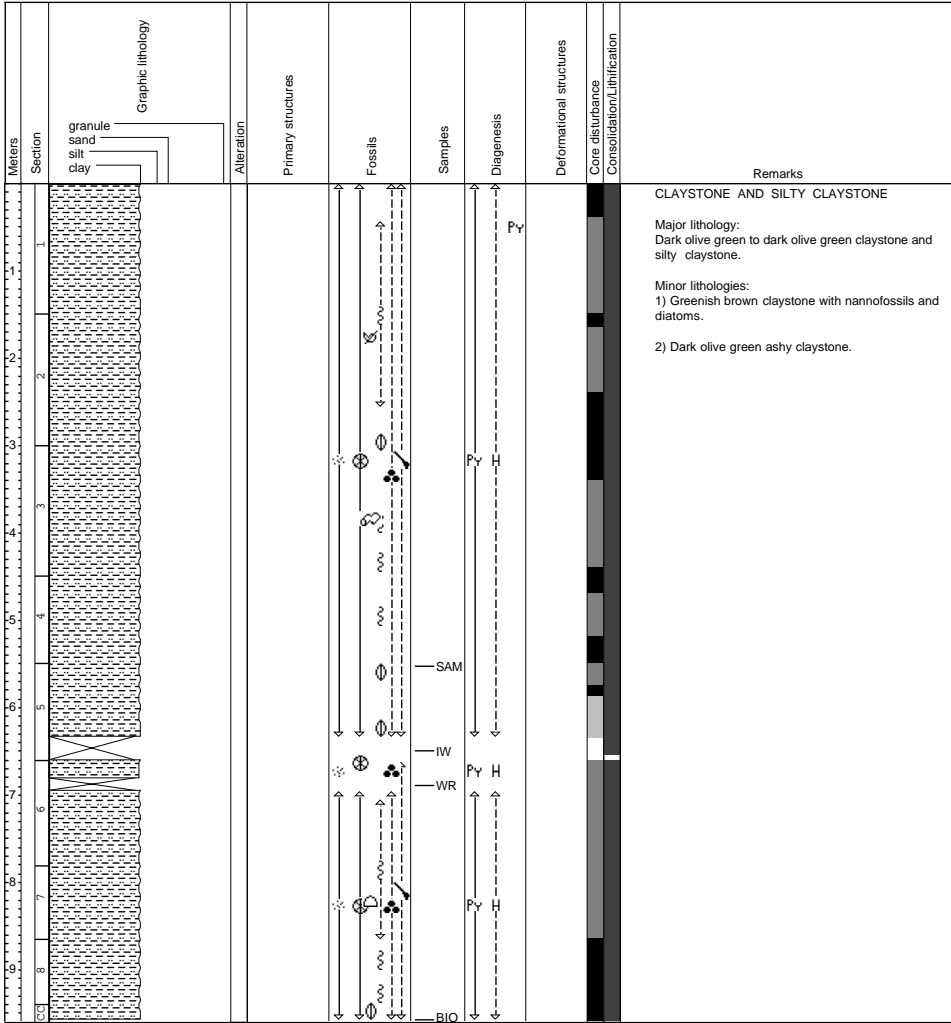
Site 1041, Hole B, Core 3R - Cored: 174.20 - 183.80 mbsf

1041B-3R

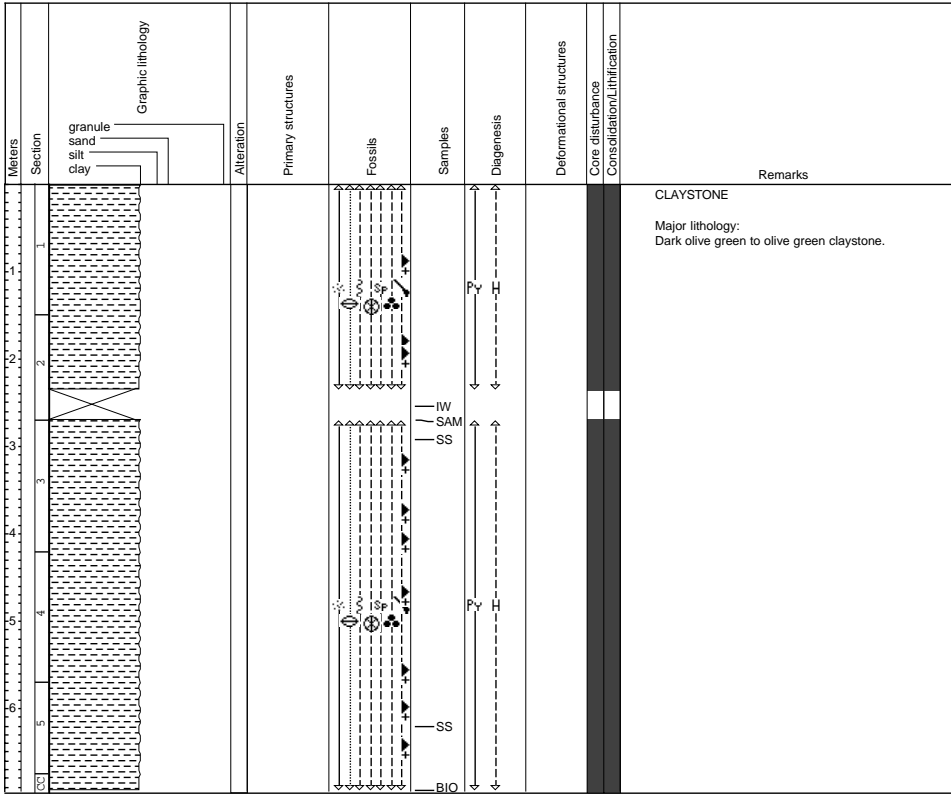


Site 1041, Hole B, Core 4R - Cored: 183.80 - 193.50 mbsf

1041B-4R



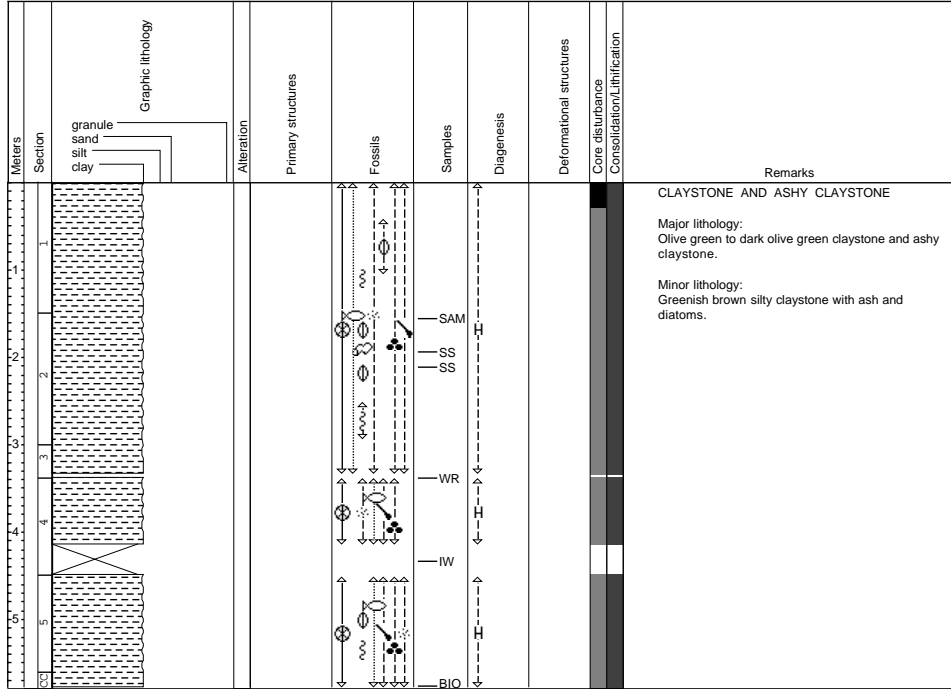
Site 1041, Hole B, Core 5R - Cored: 193.50 - 203.10 mbsf



1041B-5R

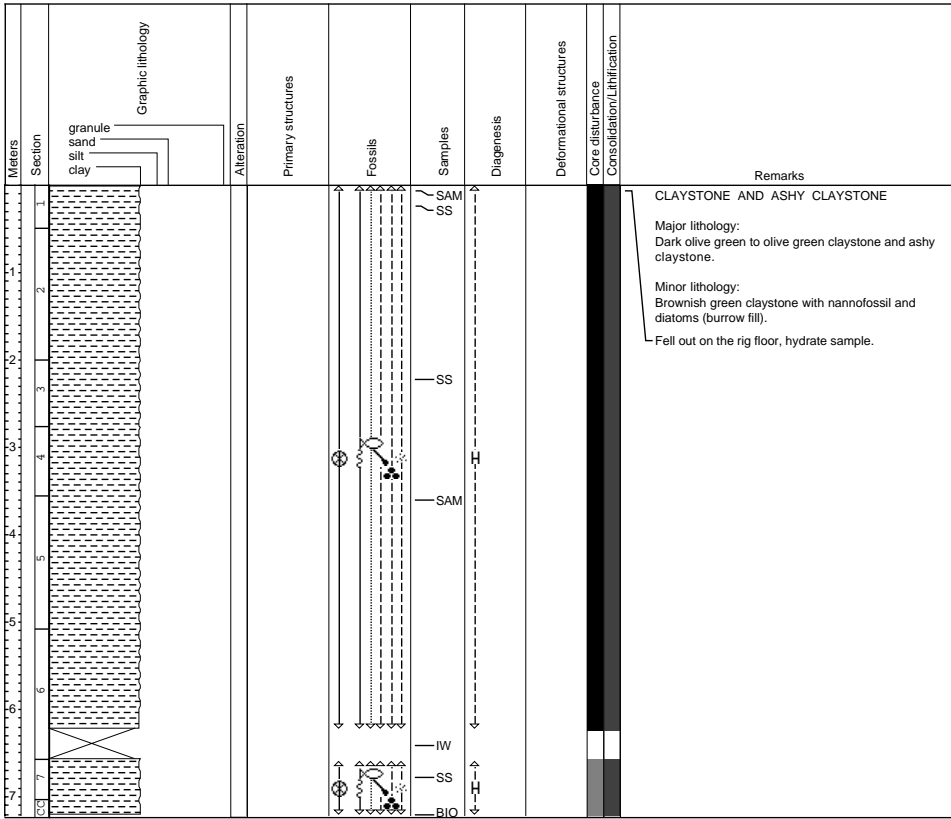
Site 1041, Hole B, Core 6R - Cored: 203.10 - 212.70 mbsf

1041B-6R



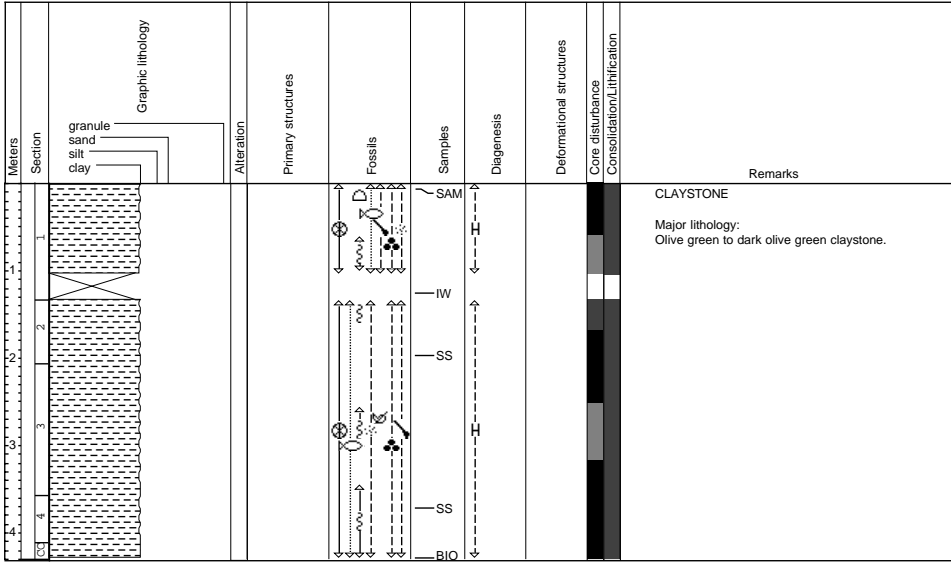
Site 1041, Hole B, Core 7R - Cored: 212.70 - 222.30 mbsf

1041B-7R

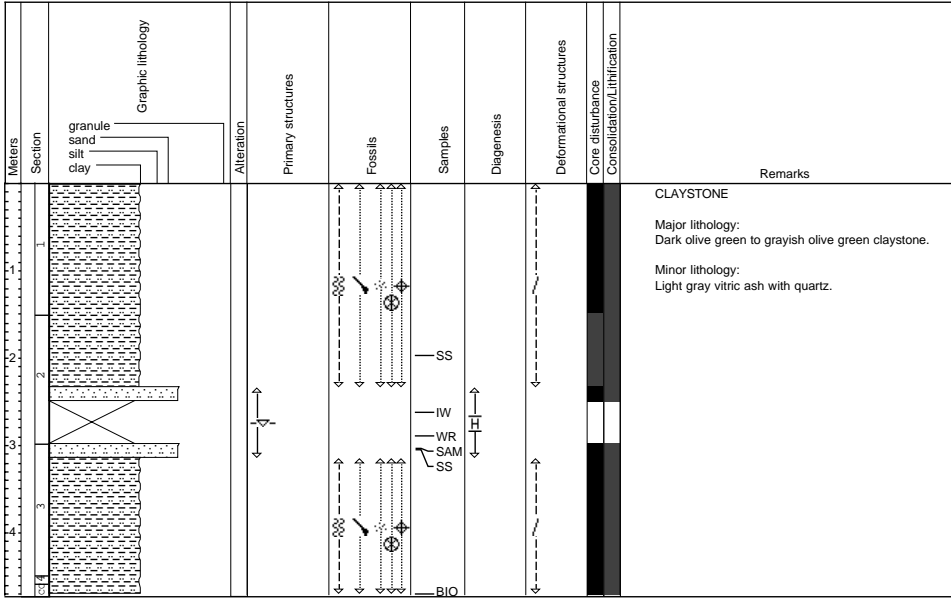


Site 1041, Hole B, Core 8R - Cored: 222.30 - 231.90 mbsf

1041B-8R



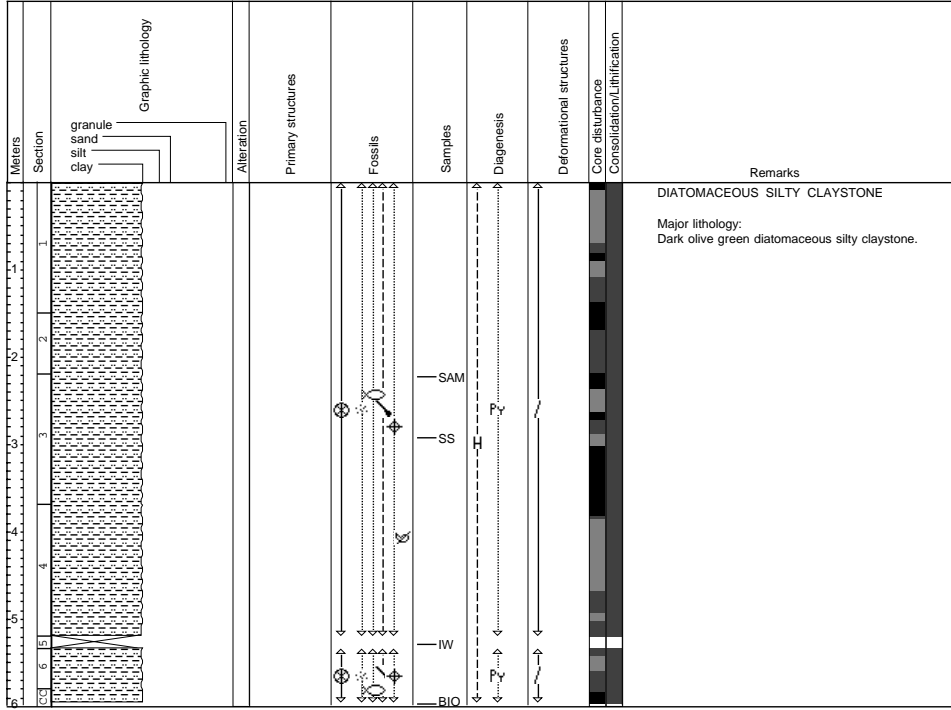
Site 1041, Hole B, Core 9R - Cored: 231.90 - 241.60 mbsf



1041B-9R

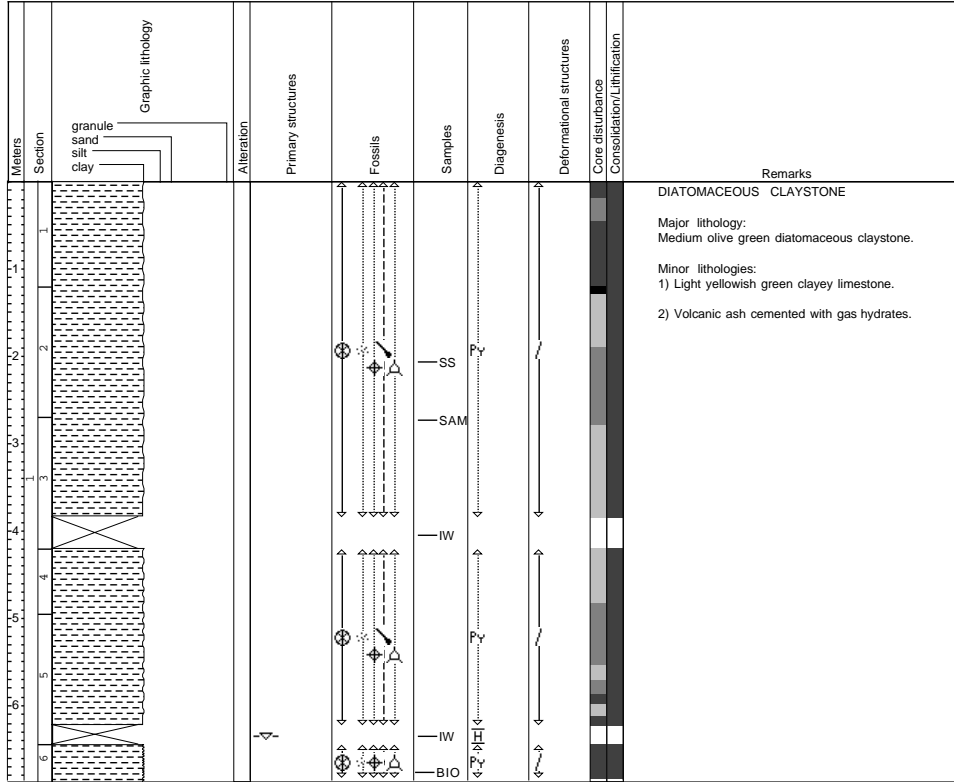
Site 1041, Hole B, Core 10R - Cored: 241.60 - 251.20 mbsf

1041B-10R



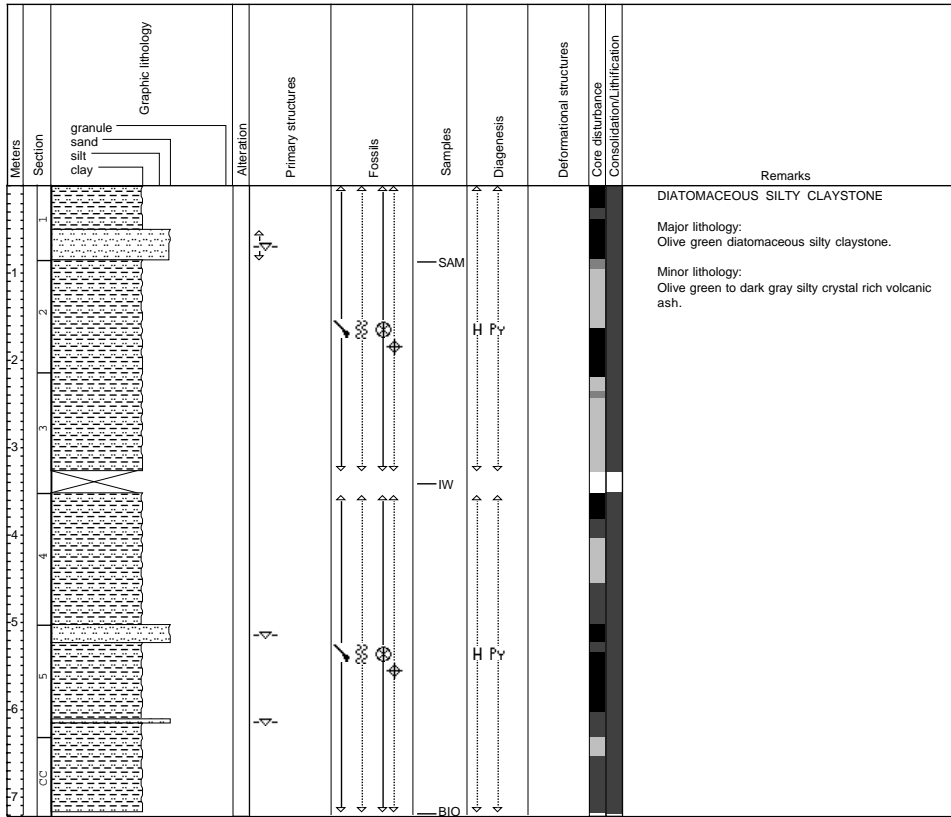
Site 1041, Hole B, Core 11R - Cored: 251.20 - 260.90 mbsf

1041B-11R



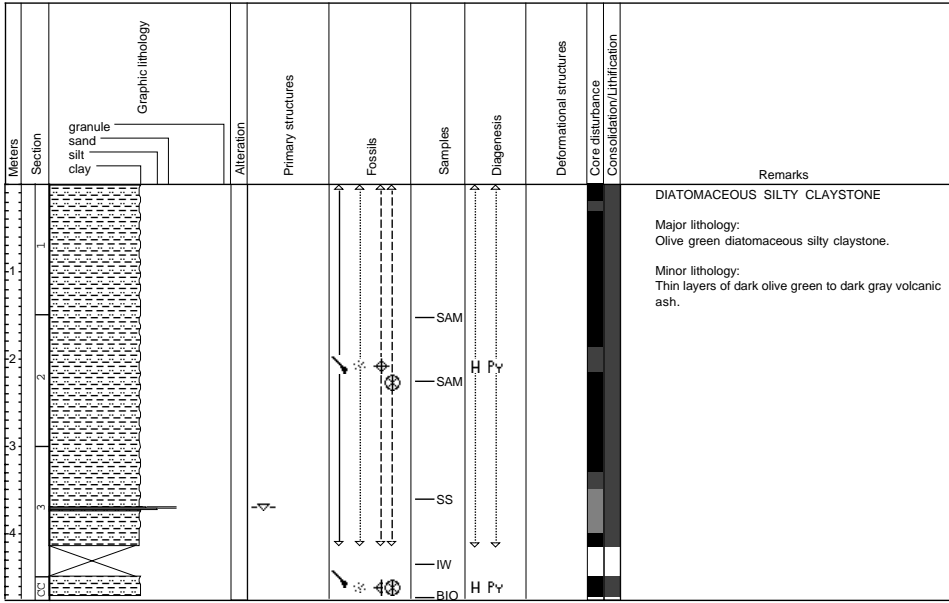
Site 1041, Hole B, Core 12R - Cored: 260.90 - 270.50 mbsf

1041B-12R

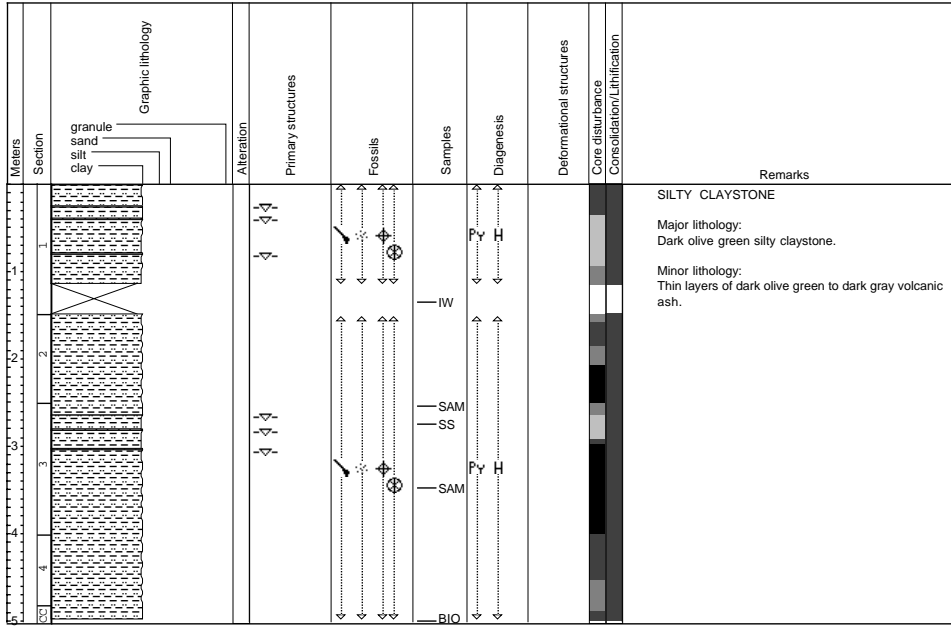


Site 1041, Hole B, Core 13R - Cored: 270.50 - 280.20 mbsf

1041B-13R



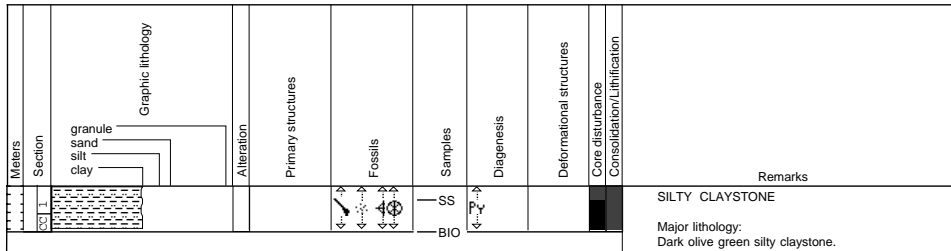
Site 1041, Hole B, Core 14R - Cored: 280.20 - 289.90 mbsf



1041B-14R

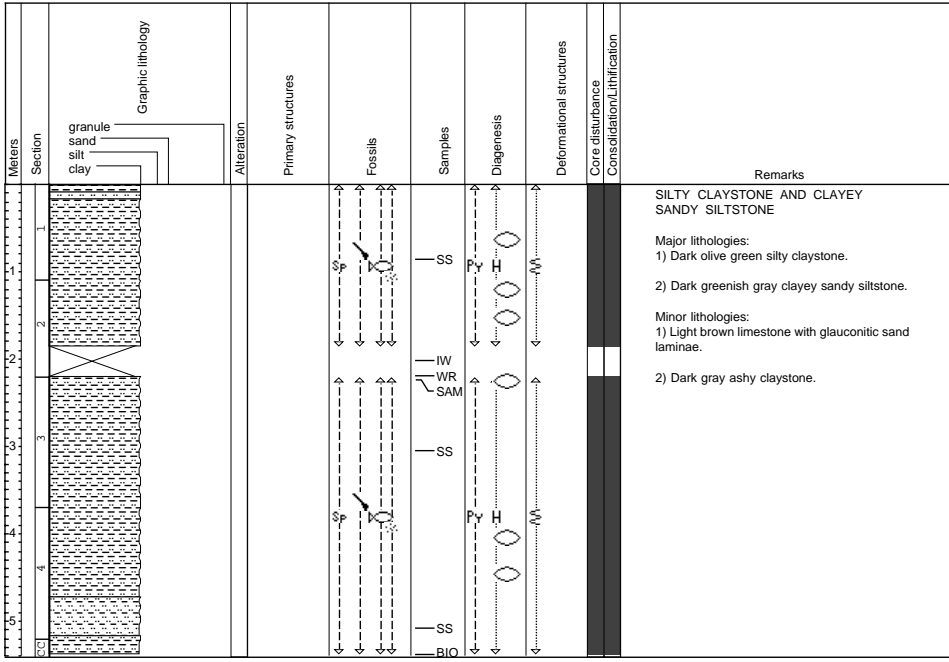
1041B-15R

Site 1041, Hole B, Core 15R - Cored: 289.90 - 299.50 mbsf



Site 1041, Hole B, Core 16R - Cored: 299.50 - 309.20 mbsf

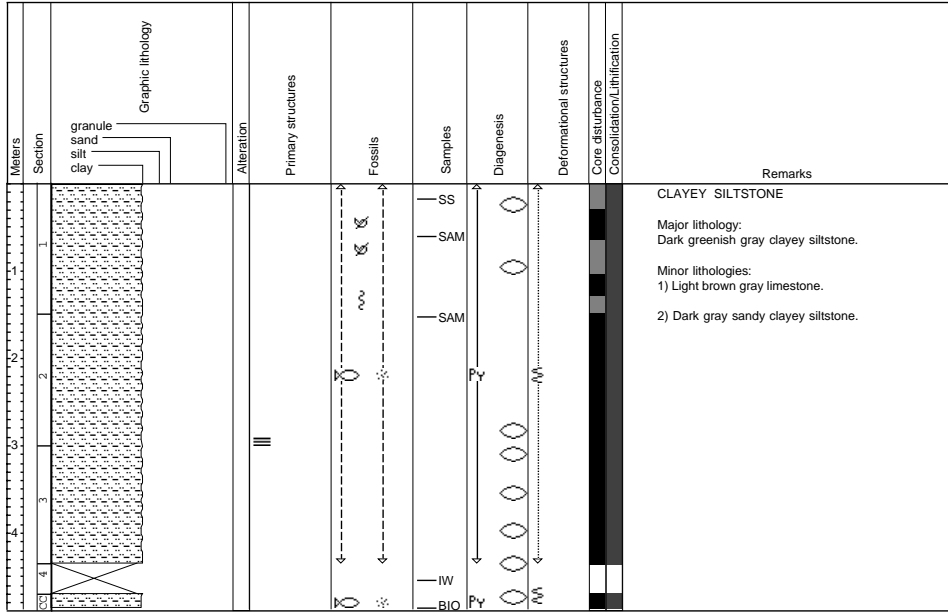
1041B-16R



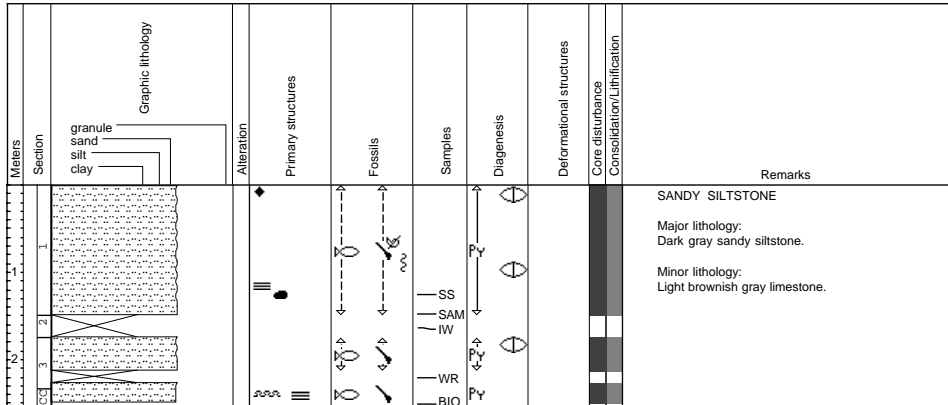
Site 1041, Hole B, Core 17R - Cored: 309.20 - 318.80 mbsf

1041B-17R

1041B-18R

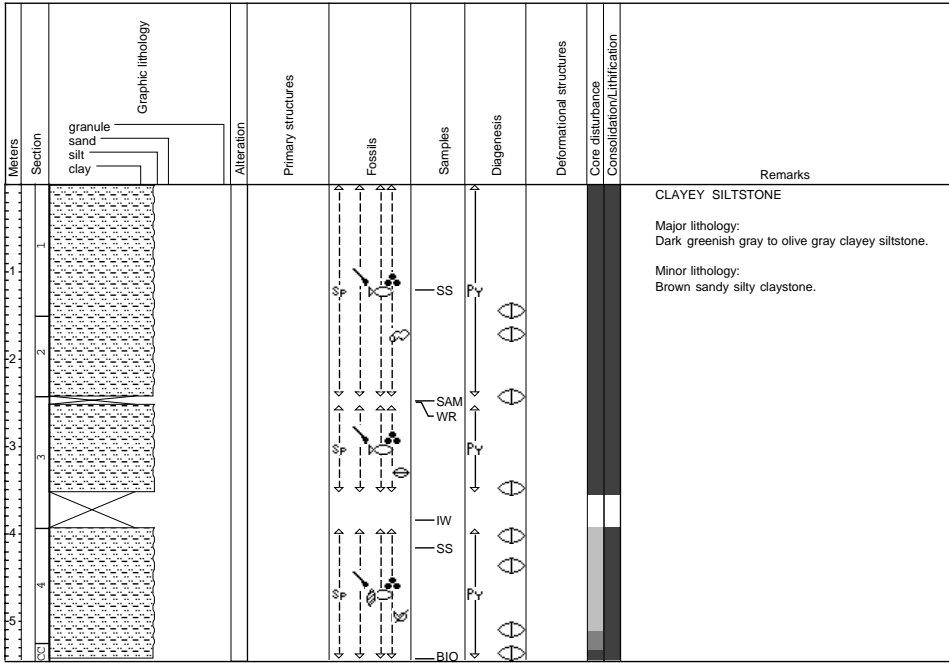


Site 1041, Hole B, Core 18R - Cored: 318.80 - 328.40 mbsf



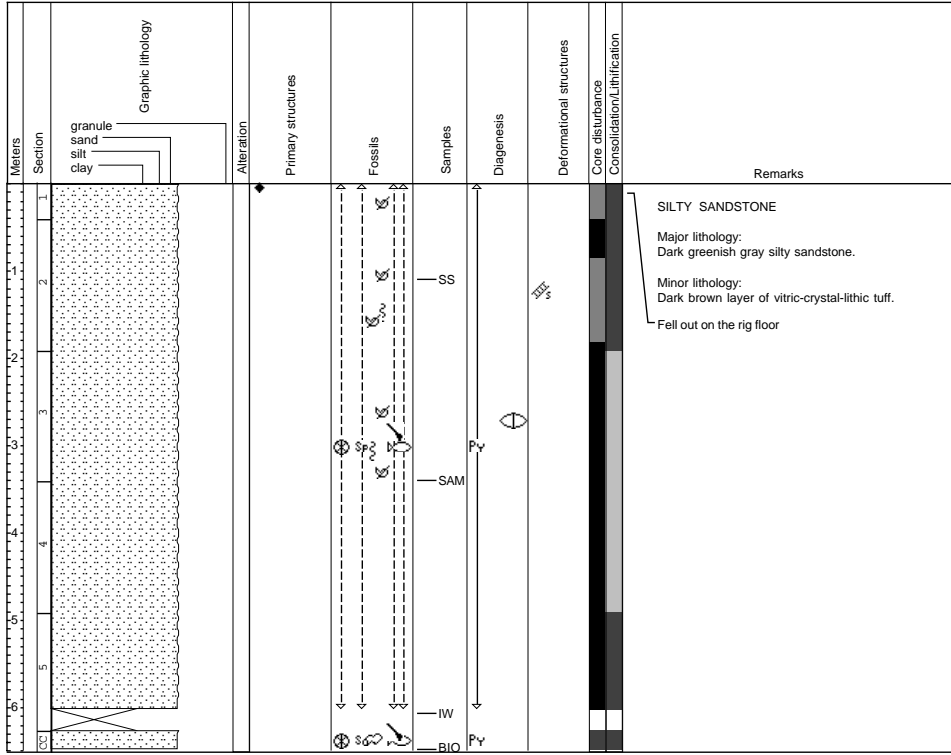
Site 1041, Hole B, Core 19R - Cored: 328.40 - 338.00 mbsf

1041B-19R

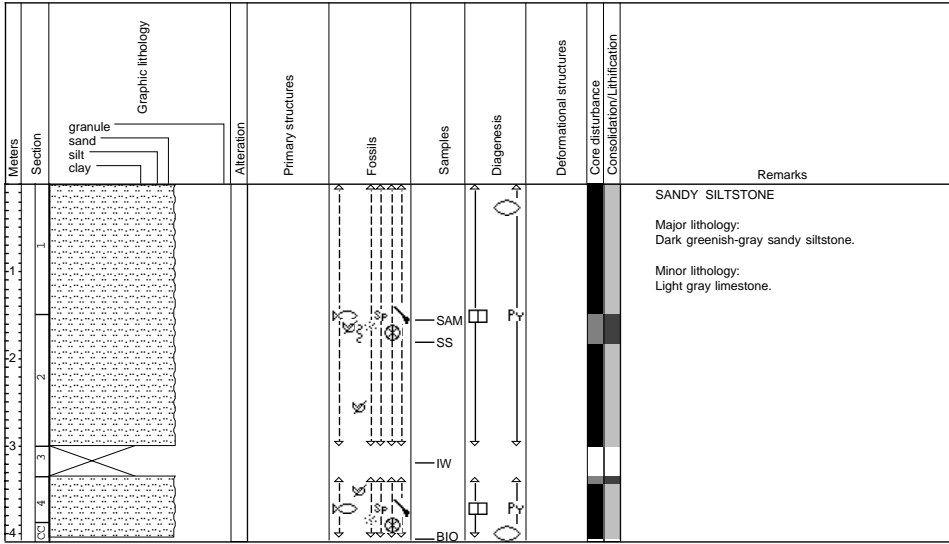


Site 1041, Hole B, Core 20R - Cored: 338.00 - 347.60 mbsf

1041B-20R



Site 1041, Hole B, Core 21R - Cored: 347.60 - 357.20 mbsf

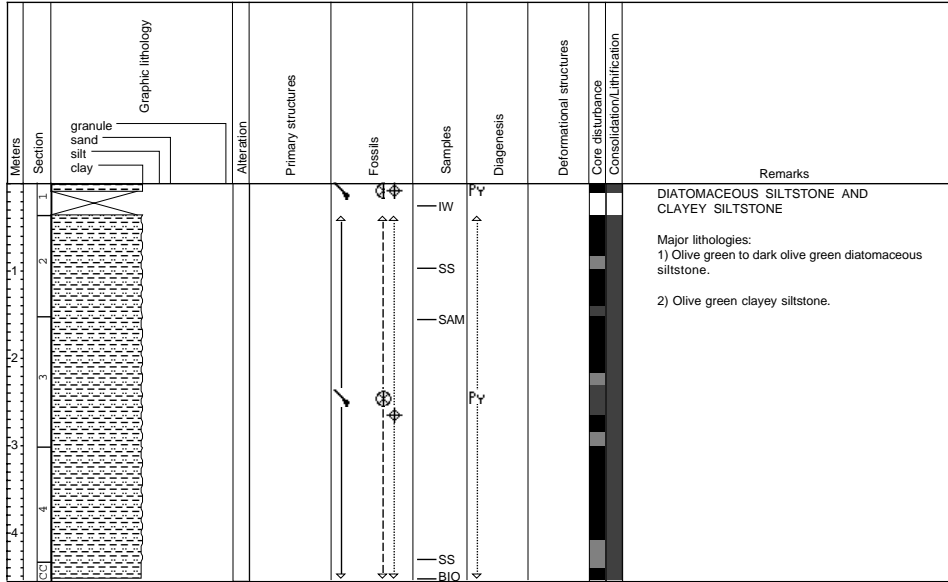


1041B-21R

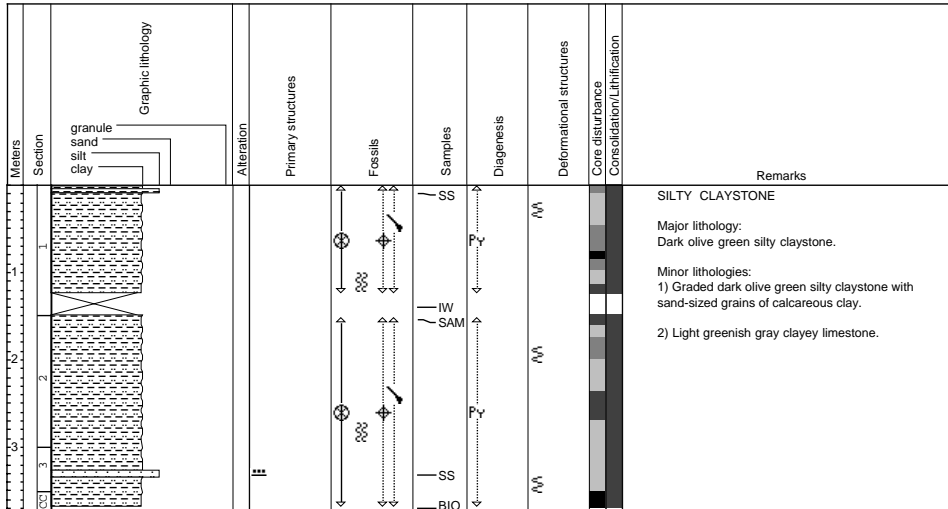
Site 1041, Hole B, Core 22R - Cored: 357.20 - 366.80 mbsf

1041B-22R

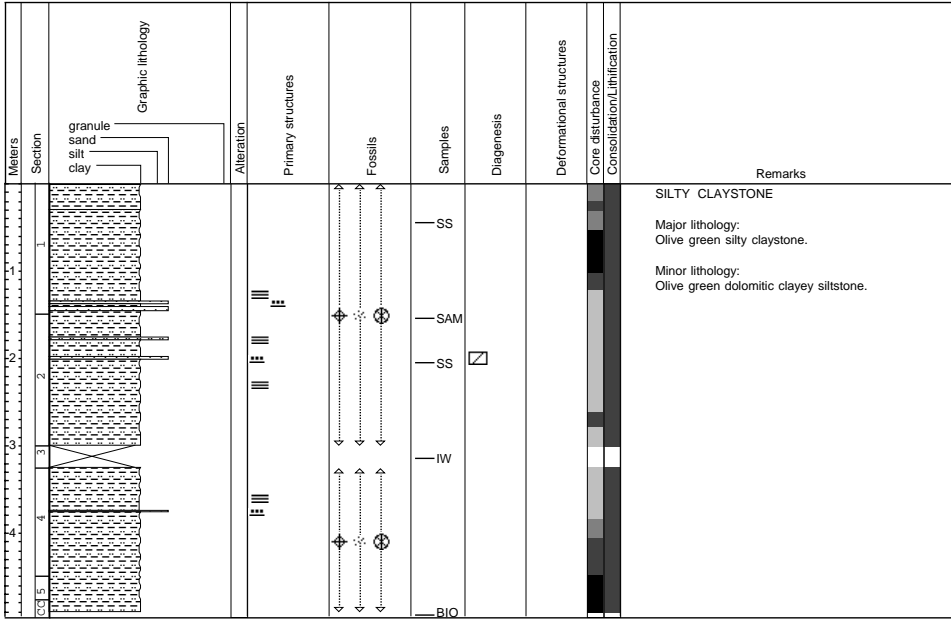
1041B-23R



Site 1041, Hole B, Core 23R - Cored: 366.80 - 376.40 mbsf



Site 1041, Hole B, Core 24R - Cored: 376.40 - 386.00 mbsf

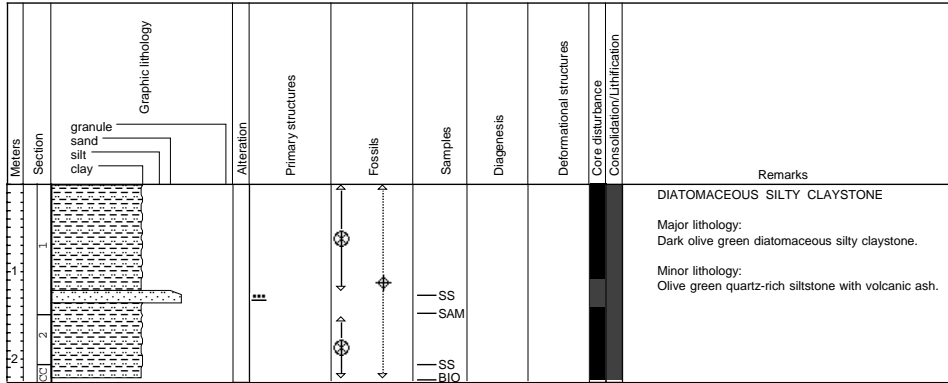


1041B-24R

Site 1041, Hole B, Core 25R - Cored: 386.00 - 395.60 mbsf

1041B-25R

1041C-1R



Site 1041, Hole C, Core 1R - Cored: 395.00 - 404.70 mbsf

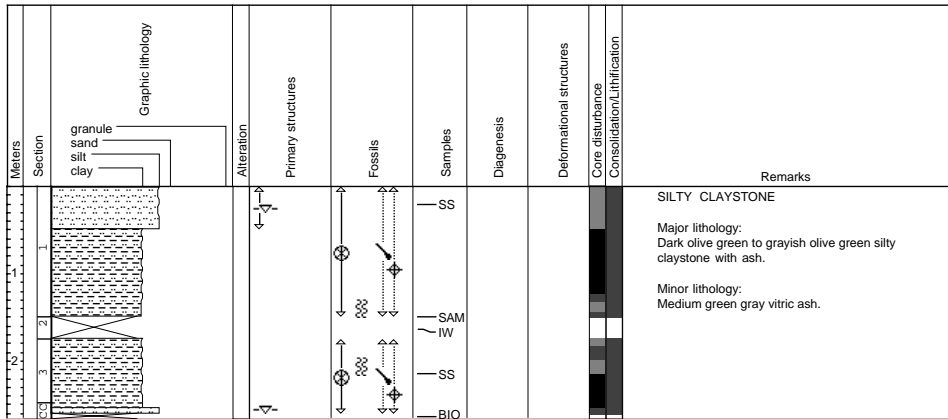


Figure 4, Chapter 2. Patterns and symbols used for lithology, abundance, structural features, fossils, and bioturbation in AppleCORE during Leg 170.

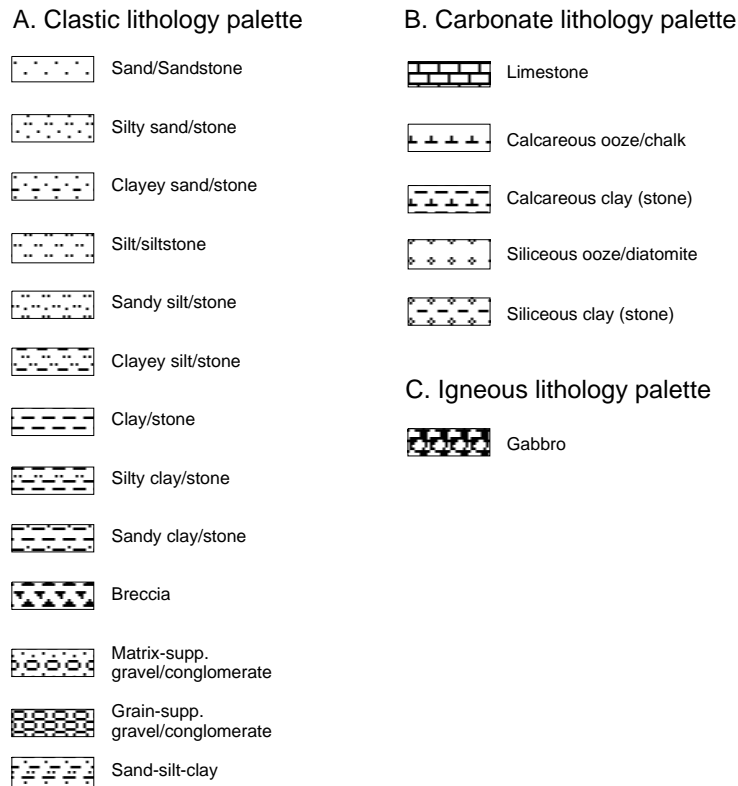


Figure 5, Chapter 2. Gray-scale patterns for three data types used with customized AppleCORE visual core description program.







	Alteration	Drilling disturbance	Lithification
Extreme 	75-100%	Flow-in; Rubble and slurry	Lithified
Strong 	50-75%	Disruption, contortion; Biscuits and slurry	Consolidated
Moderate 	25-50%	Some contortion, bending; Strongly fractured	Firm
Weak 	1-25%	Bending of layers; Slightly fractured	Soft
None 	0%	None	Soupy
Not indicated 			

Figure 6, Chapter 2. Symbols used with customized AppleCORE visual core description program.

PRIMARY STRUCTURES	FOSSILS	DIAGENETIC FEATURES	DEFORMATIONAL STRUCTURES
Contacts Sharp boundary Gradational boundary Scoured, sharp contact Scoured contact w/graded beds Intrusive contact Lamination Planar laminae Bedding Graded bedding Reverse graded bedding Trough cross-stratification Various accessories Tephra/tuff pod Tephra layer Reduction of particle abundance Imbrication Lithoclast Isolated pebbles Mud clast Coal clasts Soft sediment deformation Load casts Slump Water escape pipes Breccia Pebble/granule layer Vug Igneous textures Chilled margin	Microfossils Foraminifers (undifferentiated) Foraminifers (benthonic) Radiolarians Diatoms Calcareous Nannofossils Silicoflagellates Sponge spicules Spines Sponges Spores, pollen Fragments Plant Remains Wood Fragment Macrofossils Shell (unspecified) Shell fragments Gastropods Molluscs (undifferentiated) Fish Fossils Fish remains Fish tooth Trace Fossils Trace fossil (unspecified) Zoophycos Bioturbation Weak bioturbation Moderate bioturbation Strong bioturbation	Diagenetic minerals Disseminated pyrite Disseminated glauconite Disseminated dolomite Nodules and Concretions Nodule/concretion (general) Pyrite concretion Calcite concretion Dolomite concretion Cements Calcite cement Miscellaneous Diagenetic Features Disseminated gas hydrate Gas Hydrate nodule Layered gas hydrate Massive gas hydrate Reaction rim	Fracture Conjugate set of fractures Breccia zone Fault with brecciation Fault Reverse fault Normal fault Strike-slip fault Fracture network Stratal disruption Scaly fabric Boudinage Pinch and swell Stylolite Vein Calcite vein Sediment filled vein Deformation band Fold Fissility Sigmoidal vein Tectonized zone

Figure 7, Chapter 2. Abundance plots associated with symbols used with customized AppleCORE visual core description program.

