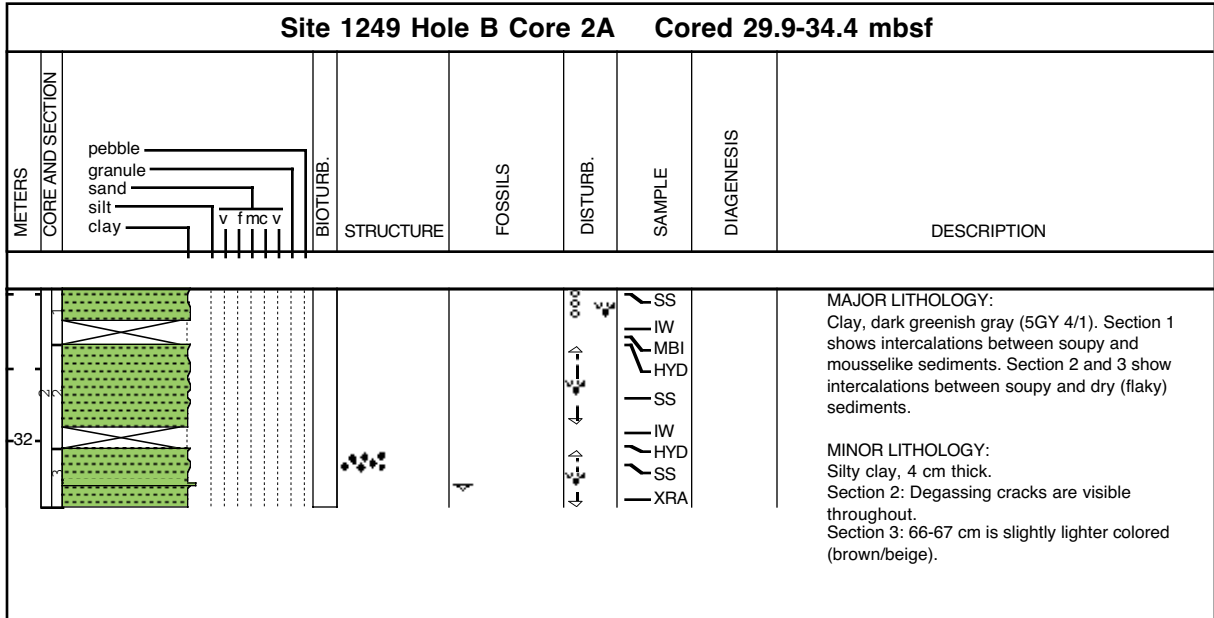


**Core Photo**

1249B-1B Wash Core



Hole A Drilled, but not cored.

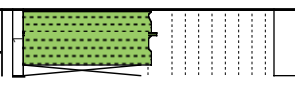
Core Photo

Site 1249 Hole B Core 3A Cored 34.4-38.9 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
36								MAJOR LITHOLOGY: Clay, dark greenish gray (5GY 4/1), with intercalations of mousselike and drier sediments.

Core Photo

Site 1249 Hole B Core 4A Cored 38.9-43.4 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
40								<p>MAJOR LITHOLOGY:                      Clay, dark greenish gray to greenish gray (5GY 4/1 and 5GY 5/1).                      Section 1: Intercalation of soupy, mouselike, and dry sediments.                      Section 2: 5- to 10-cm disseminated sulfide precipitates.</p>

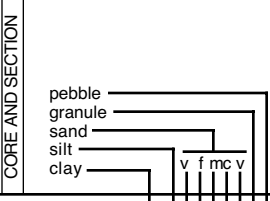
**Core Photo**

Site 1249 Hole B Core 5A Cored 43.4-47.9 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
44	 <p>pebble granule sand silt clay</p> <p>v fmc v</p>							<p>MAJOR LITHOLOGY:  Clay, dark greenish gray (5GY 5/1 to 5GY 4/1),  with mousselike and soupy layers from 15 to 30  cm.</p> <p>A shell horizon with seven shell fragments is at  72 cm.</p>

Core Photo

Site 1249 Hole B Core 6A Cored 47.9-52.4 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v							<p>MAJOR LITHOLOGY:                      Clay, dark gray (N3), rich with sulfide throughout whole core.</p> <p>Drilling disturbance is evident in the top 30 cm of Section 1.</p> <p>Section 1 and 2 have mouselike sediments.</p> <p>Section 2 has a dark greenish gray patch at 69 cm, and sponge spicules are dispersed throughout.</p>

**Core Photo**

Site 1249 Hole B Core 7A Cored 52.4-56.9 mbsf								
METERS CORE AND SECTION	pebble granule sand silt clay	BIOTURB. v f mc v	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
						IW		<p>MAJOR LITHOLOGY:                      Clay, dark greenish gray (5GY 4/1).</p> <p>Sulfides are concentrated at the top of Section 1,                      where the sediment is also dried out and flaky.</p>

Core Photo

Site 1249 Hole B Core 8A Cored 56.9-65.9 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v							
58							MAJOR LITHOLOGY: Clay, dark greenish gray (5GY 4/1) to dark gray (N3) where sulfide rich  MINOR LITHOLOGY: Quartz-rich sand occurs in Sections 1, 2, and 3 in thin layers and small lenses (1.5 cm X 0.5 cm)	
60								

**Core Photo**

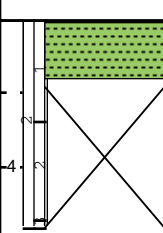
Site 1249 Hole B Core 9A Cored 65.9-74.9 mbsf									
METERS	CORE AND SECTION		BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v								MAJOR LITHOLOGY: Clay, dark greenish gray (5GY 4/1).  The core is soupy from core disturbance in the top 25 cm and sulfide rich from 40 to 52 cm.



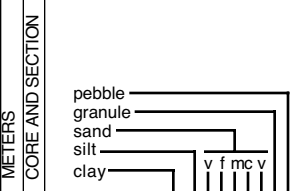

**Core Photo**

Site 1249 Hole C Core 1H Cored 0.0-2.0 mbsf								
METERS CORE AND SECTION		BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
								<p><b>MAJOR LITHOLOGY:</b>  Clay, dark greenish gray (5GY 4/1), with the characteristic moussey and soupy textures of hydrate-bearing sediments.</p> <p>Hydrate samples were taken at:  Section 1: 0-25 and 25-55 cm  Section 2: 125-142 cm  Section 3: 145-150 cm</p>

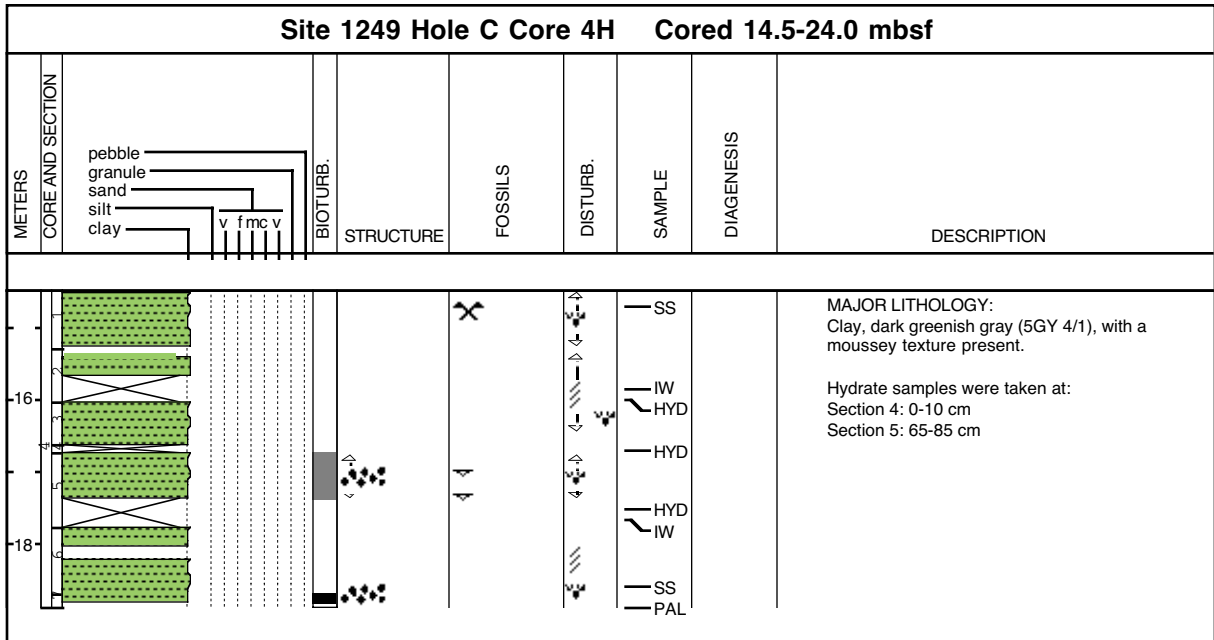
**Core Photo**

Site 1249 Hole C Core 2H Cored 2.0-5.0 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
4	 <p>pebble granule sand silt clay</p> <p>v f mc v</p>							<p>MAJOR LITHOLOGY: Clay, dark greenish gray (5GY 4/1), with moussey and soupy textures characteristic of hydrate-bearing sediments.</p> <p>MINOR LITHOLOGY: Silty clay.</p> <p>Hydrate samples were taken at: Section 1: 91-108 and 108-140 cm Section 2: 30-49 cm, 49-90, and 90-136 cm Section 3: 0-4 cm</p>

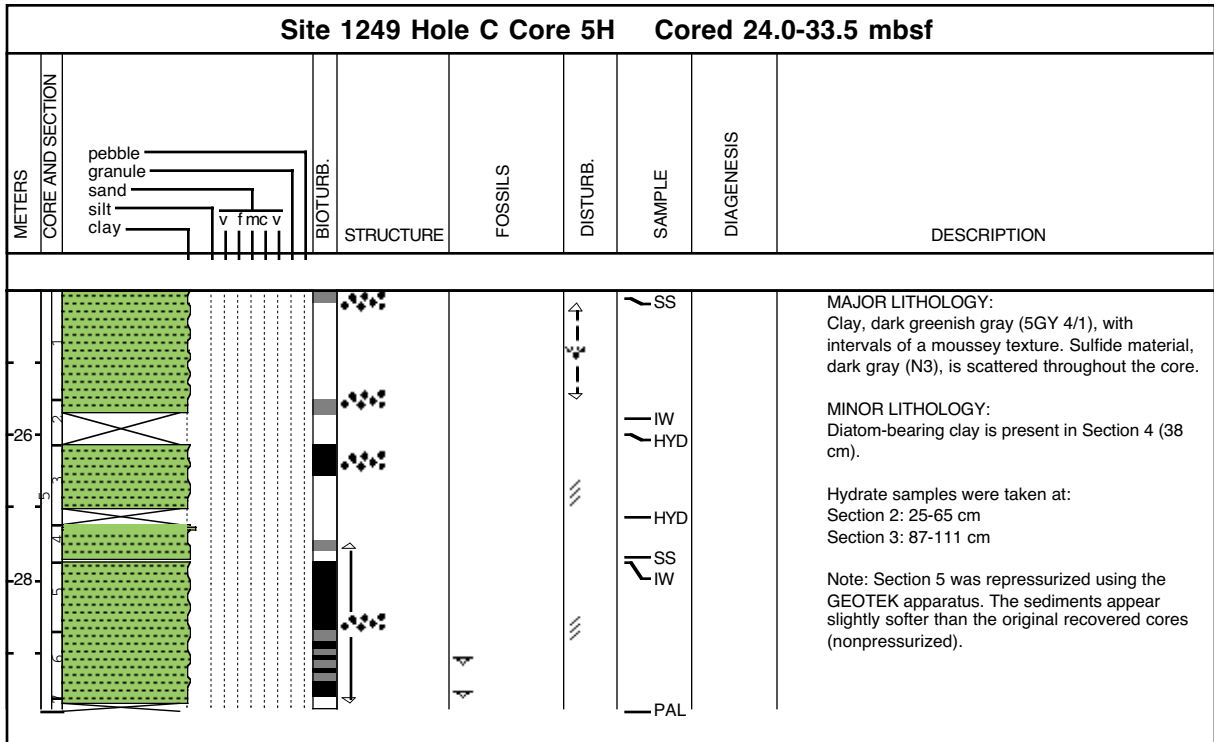
Core Photo

Site 1249 Hole C Core 3H Cored 5.0-14.5 mbsf								
METERS CORE AND SECTION	pebble granule sand silt clay	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
6 5 4 3 2 1						IW HYD HYD HYD HYD IW HYD PAL		MAJOR LITHOLOGY: Clay, dark greenish gray (5GY 4/1), with a moussey texture.  Hydrate samples were taken at: Section 1: 89-106 and 106-131 cm Section 2: 0-10 cm and 10-41 cm Section 3: 9-12 cm

Core Photo



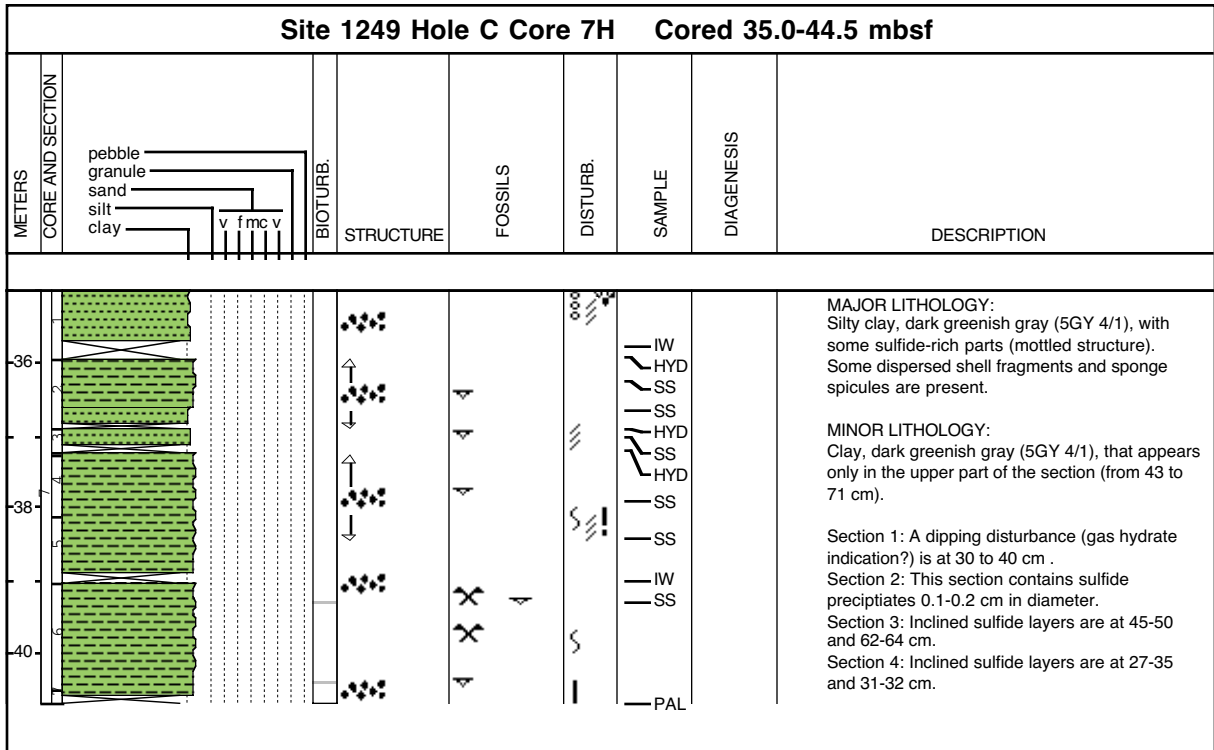
Core Photo



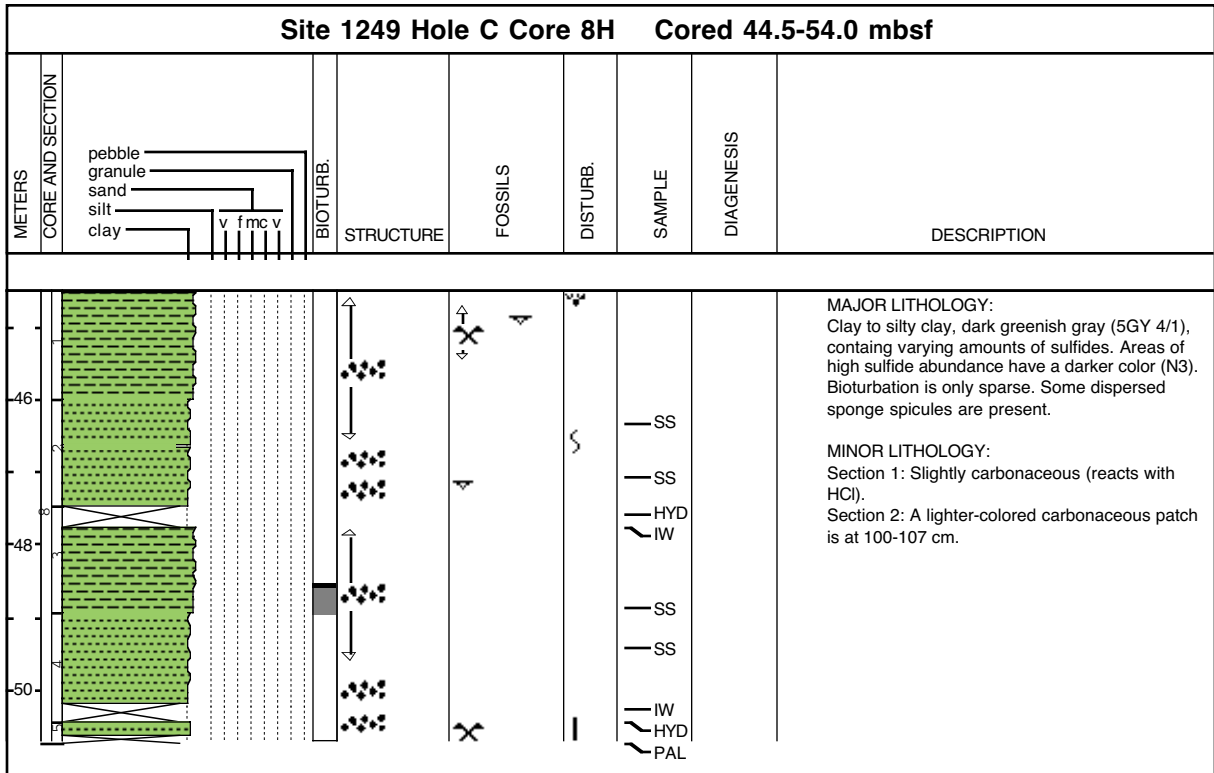
**Core Photo**

Site 1249 Hole C Core 6P Cored 33.5-34.5 mbsf								
METERS CORE AND SECTION	pebble granule sand silt clay	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
								<p>MAJOR LITHOLOGY:  Clay, dark greenish gray (GY5 4/1). The pressure core is highly disturbed.</p>

Core Photo

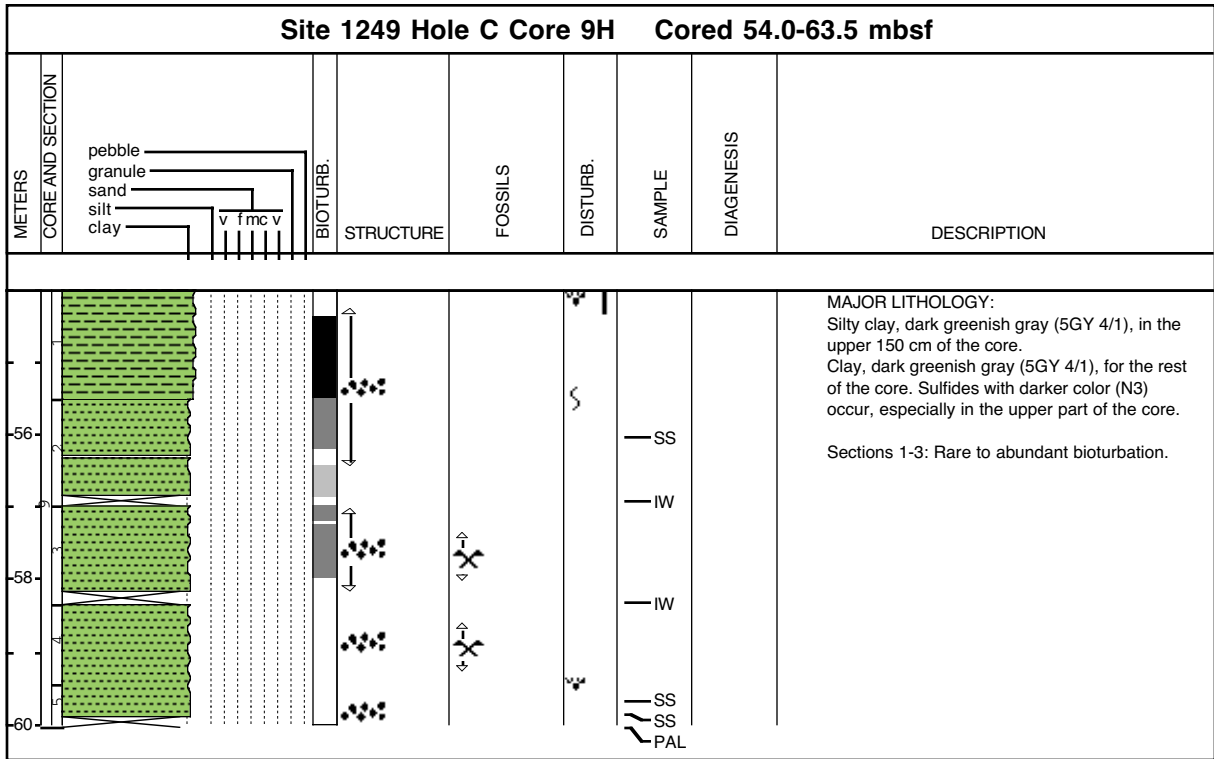


Core Photo





Core Photo

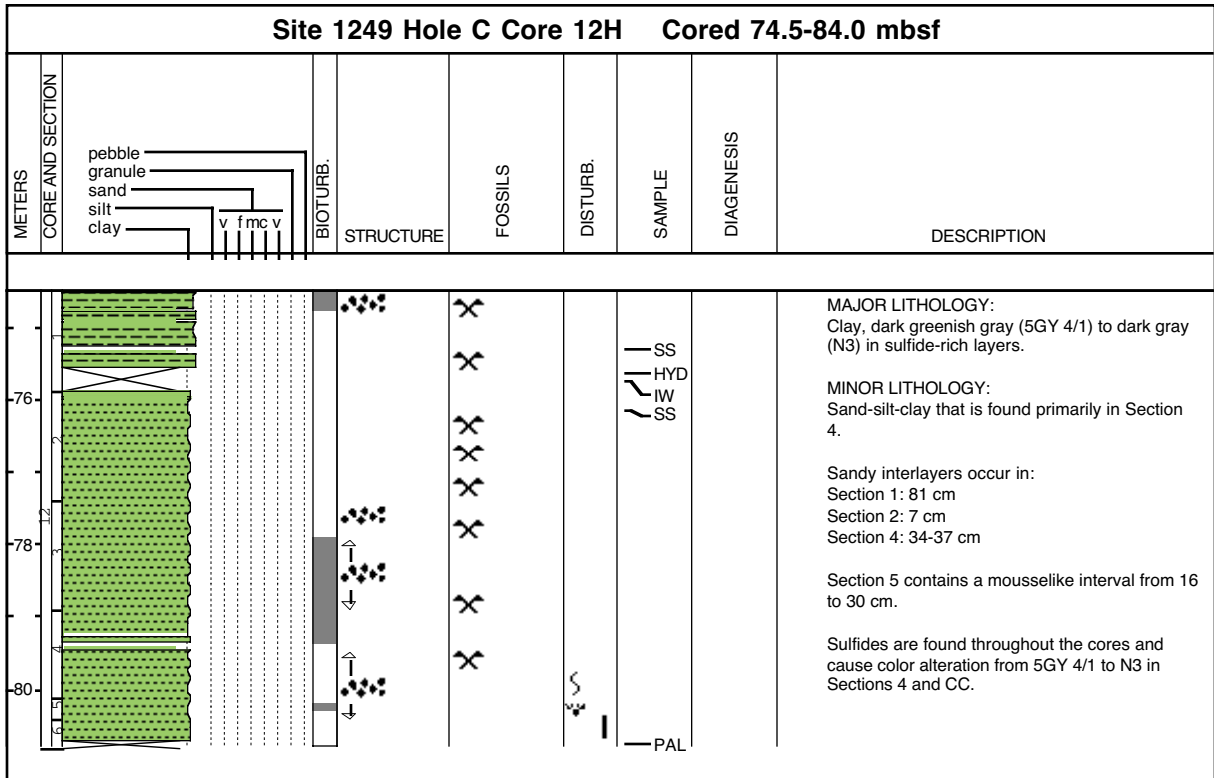


**Core Photo**

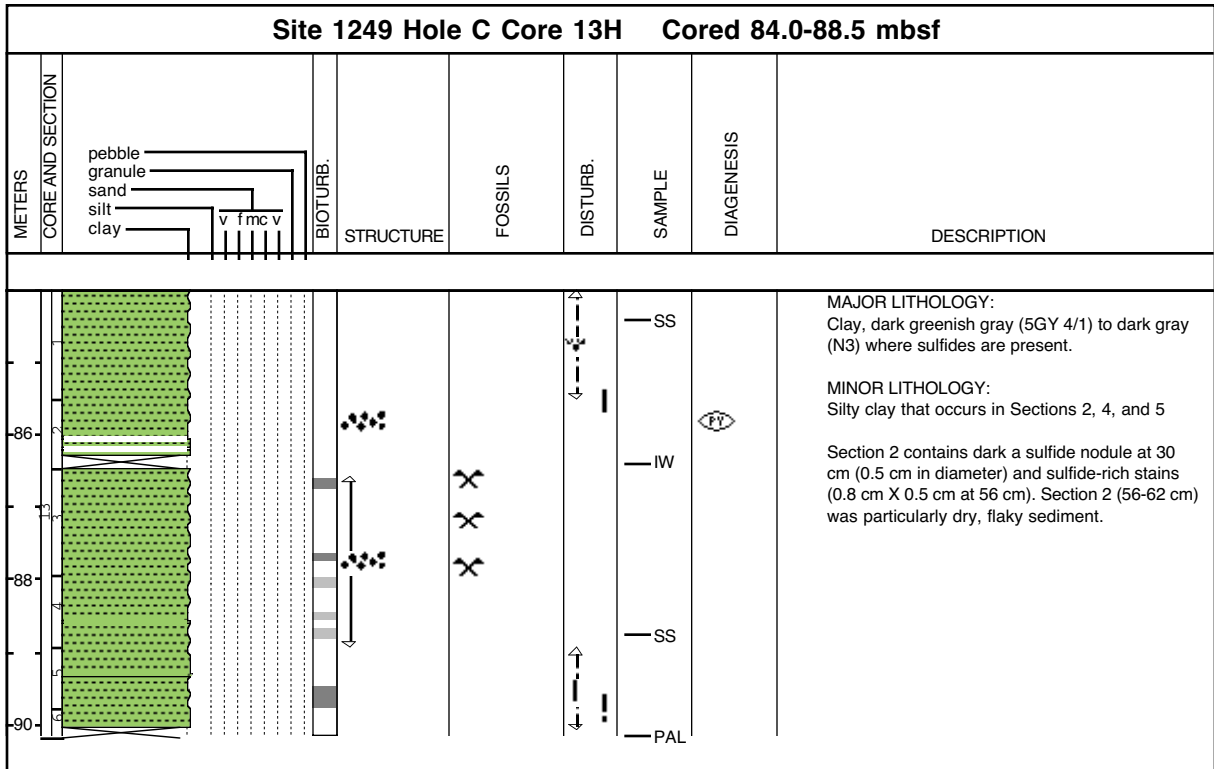
Site 1249 Hole C Core 10P Cored 63.5-64.5 mbsf									
METERS	CORE AND SECTION		BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
64									MAJOR LITHOLOGY: Clay, dark greenish gray (5GY 4/1).



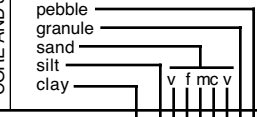
Core Photo



Core Photo



**Core Photo**

Site 1249 Hole C Core 14P Cored 88.5-89.5 mbsf								
METERS CORE AND SECTION	pebble granule sand silt clay	BIOTURB. v f mc v	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
								<p>MAJOR LITHOLOGY:                      Silty clay, dark greenish gray (5GY 4/1).</p> <p>This core is a pressure core. It lacks bedding, bioturbation, and sulfide mottles.</p>

1249D-1H Entire core used for Hydrate samples.

1249D-2Y Fugro Pressure Core not described.

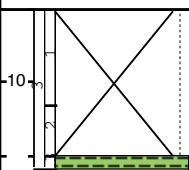
**Core Photo**

Site 1249 Hole D Core 3H Cored 9.0-18.5 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v							
10						IW HYD SS		MAJOR LITHOLOGY: Diatom-rich silty clay, dark greenish gray (5GY 4/1).  The entire hole core has mousseliike texture from the dissociation of gas hydrate.

1249E-1H Entire core used for Hydrate samples.

1249E-2H No Recovery

**Core Photo** 

Site 1249 Hole E Core 3H Cored 9.0-11.0 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v							
10						HYD HYD SS	MAJOR LITHOLOGY: Diatom-rich nannofossil-bearing silty clay, dark greenish gray (5GY 4/1).  The first two sections were sampled for hydrate, and the core catcher is disturbed with a mousse-like texture.	



Core Photo

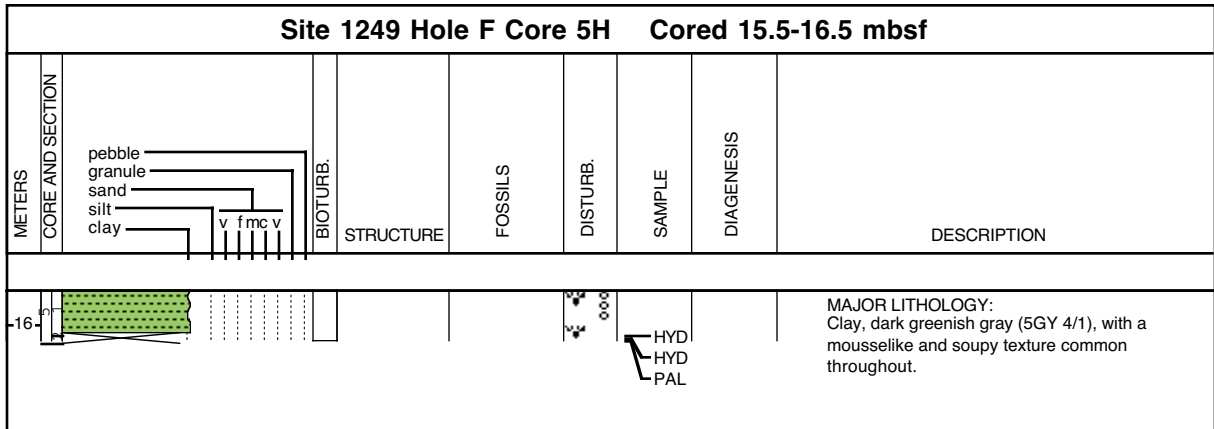
Site 1249 Hole F Core 1H Cored 0.0-6.0 mbsf								
METERS CORE AND SECTION	pebble granule sand silt clay	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
								<p>MAJOR LITHOLOGY:                      Diatom-rich, foraminifer-bearing,                      nannofossil-bearing silty clay, dark greenish gray                      (5GY 4/1).</p> <p>The entire core has mousse-like texture. Slightly                      drier and less disturbed intervals occur in Section                      1 (61-70 and 94-100 cm).</p>

1249F-2E HYACE Rotary Core was liquefied and not described.

Core Photo

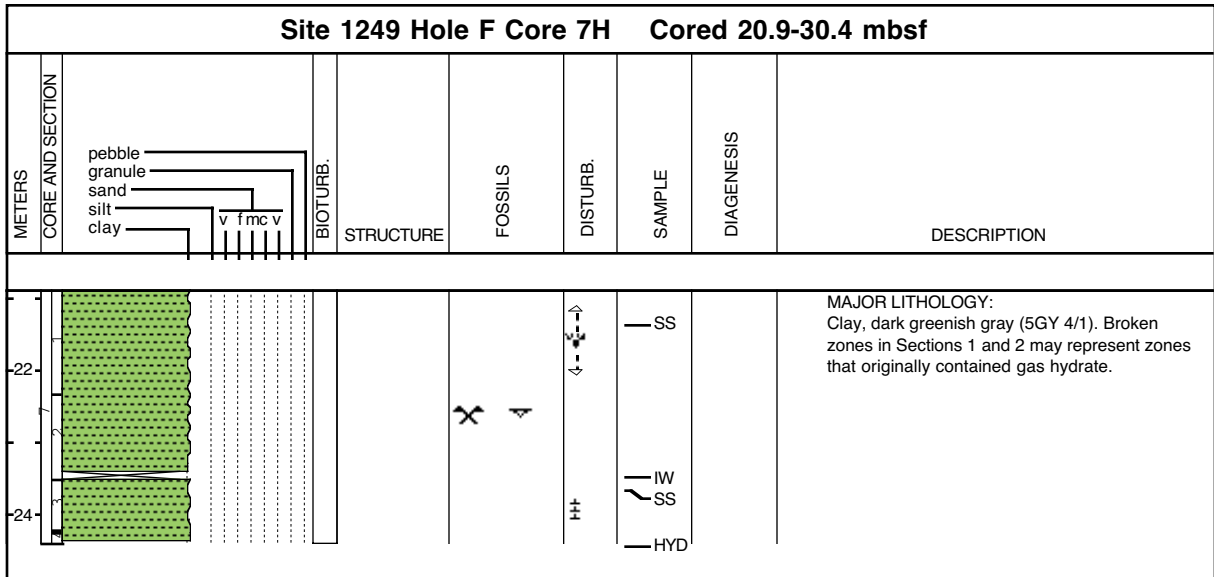
Site 1249 Hole F Core 3H Cored 9.0-11.0 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
10								<p><b>MAJOR LITHOLOGY:</b>                      Diatom-, foraminifer-, and nannofossil-bearing silty clay.</p> <p>The sediment is highly disturbed. This core was used in an experiment to document the location and structure of gas hydrate recovered at this site. The liner was split immediately upon recovery, and gas hydrate in both the archive and working halves was allowed to dissociate. During the dissociation process, sediment was removed from the zone immediately surrounding the gas hydrate in order to track the progress of the gas hydrate dissociation.</p>
						<p>— SS</p> <p>— HYD</p>		

**Core Photo**



1249F-6X Entire core used for Hydrate, Microbiology, and Paleontology.

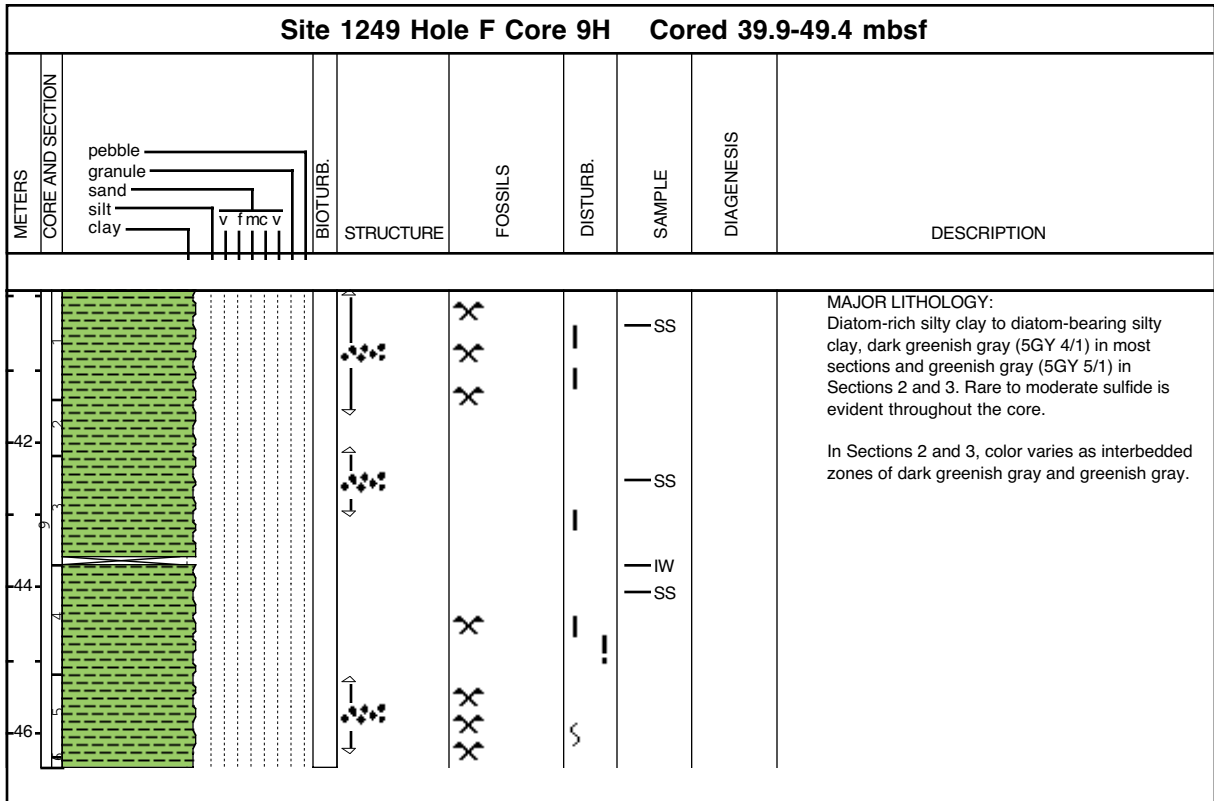
Core Photo



Core Photo

Site 1249 Hole F Core 8H Cored 30.4-39.9 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v							
32								MAJOR LITHOLOGY: Diatom-rich silty clay, dark greenish clay (5GY 4/1), with rare scattered sulfide material.
34								

Core Photo



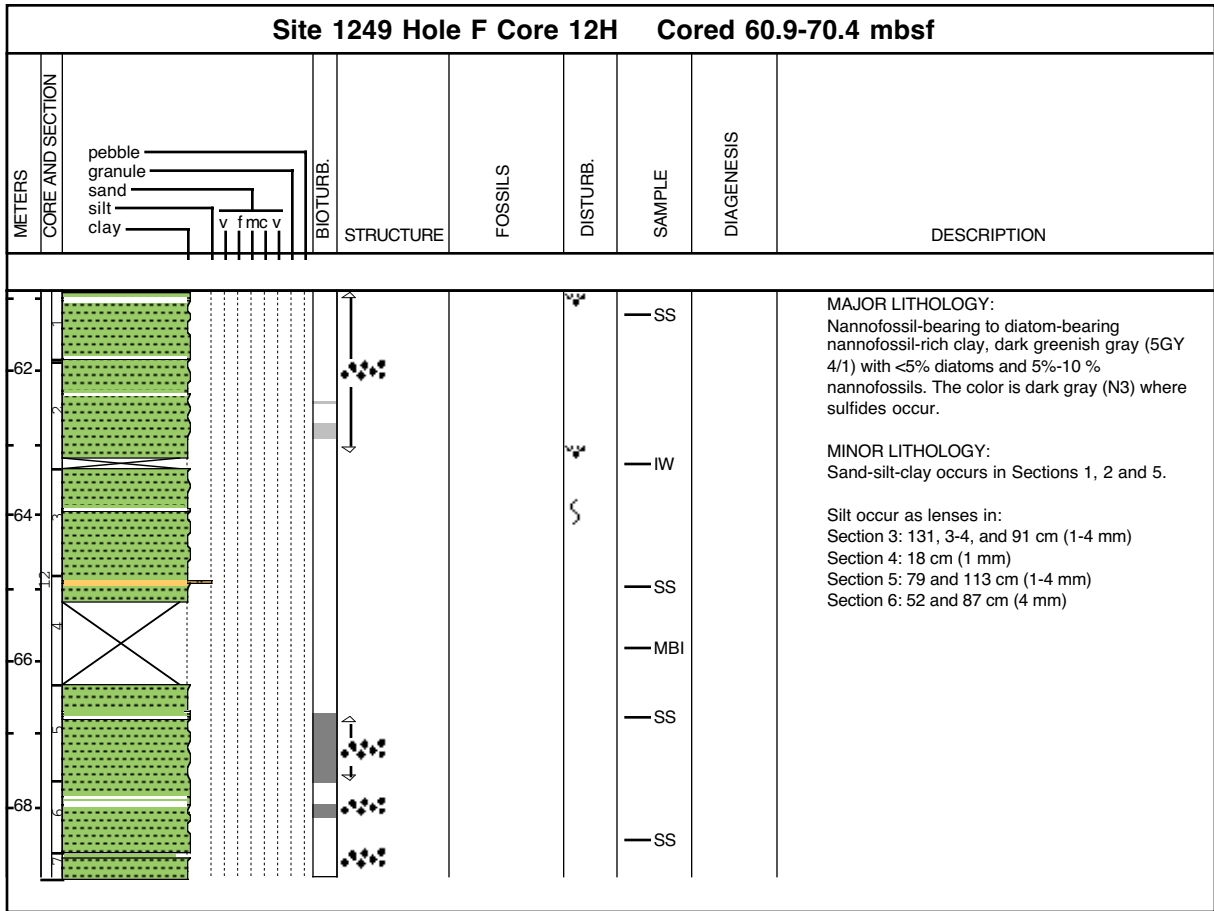


Core Photo

Site 1249 Hole F Core 11P Cored 58.9-59.9 mbsf								
METERS CORE AND SECTION	pebble granule sand silt clay	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
								MAJOR LITHOLOGY: Clay, dark greenish gray (5GY4/1) and homogeneous.

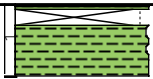




Core Photo



1249F-13Y Fugro Pressure Core not described.

**Core Photo**

Site 1249 Hole F Core 14P Cored 71.4-72.4 mbsf								
METERS	CORE AND SECTION	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	SAMPLE	DIAGENESIS	DESCRIPTION
	pebble granule sand silt clay v fmc v							
72				X		 IW		<b>MAJOR LITHOLOGY:</b> Silty clay, dark greenish gray (5GY 4/1).  The core is disturbed and broken into 5- to 10-cm blocks.







