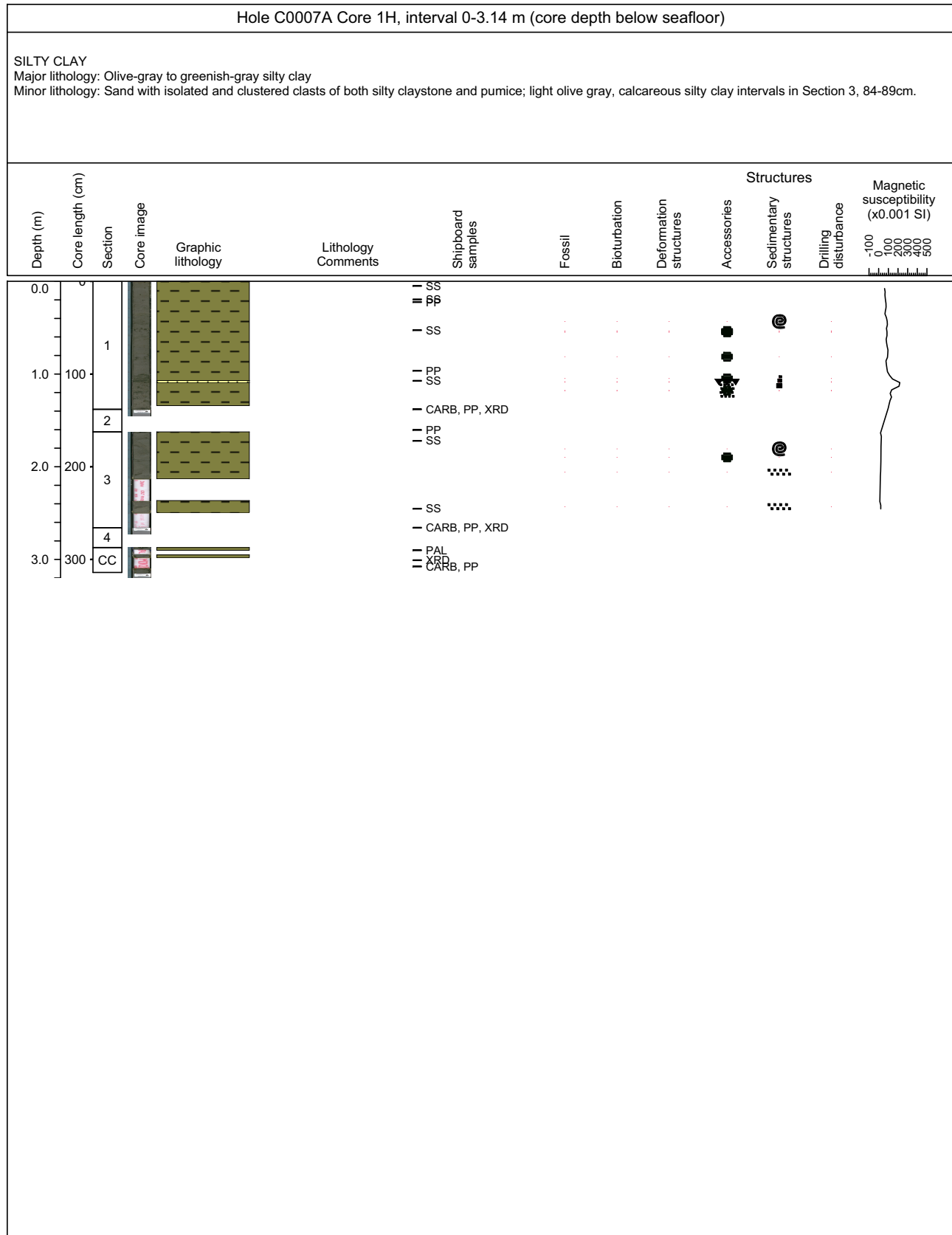
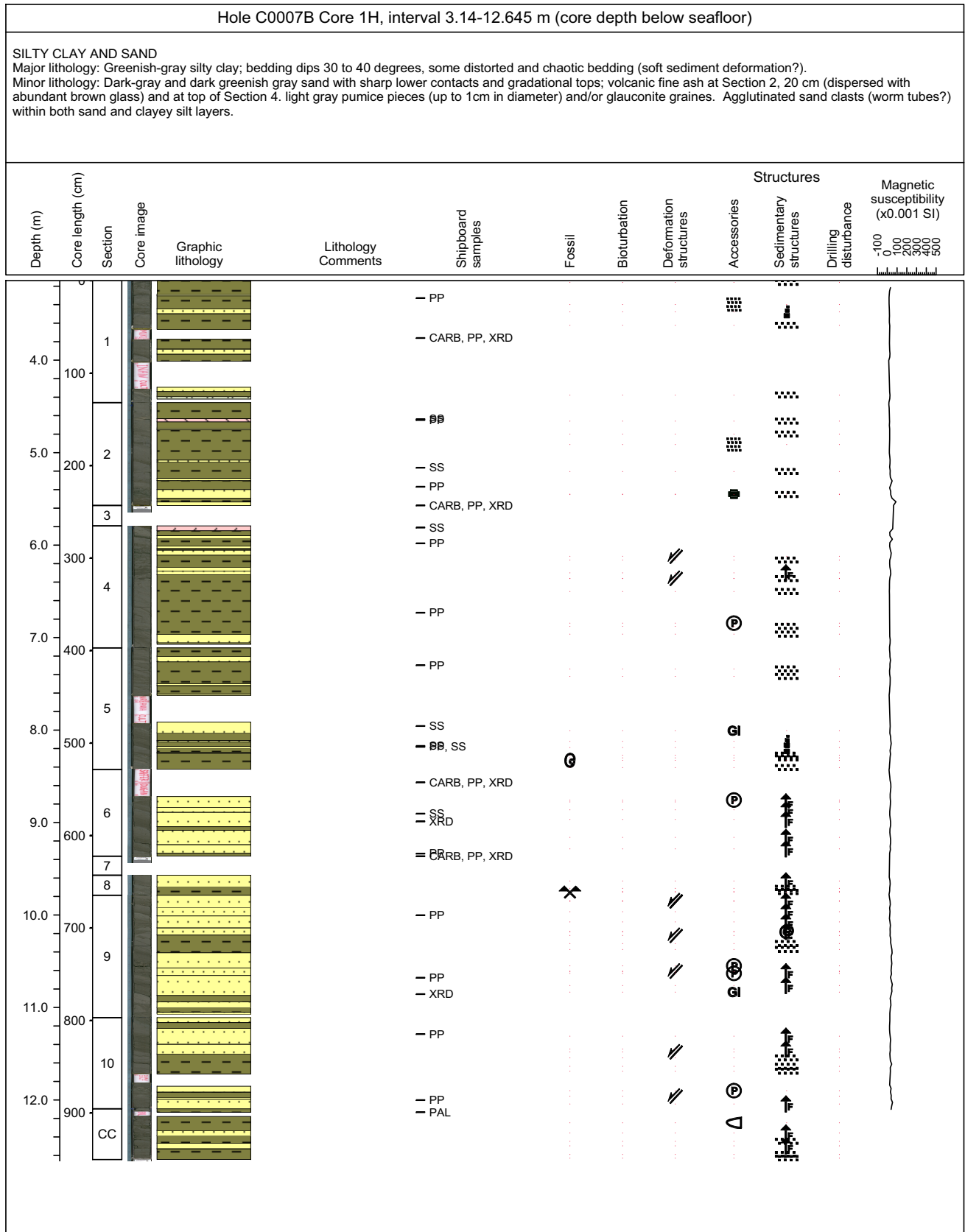


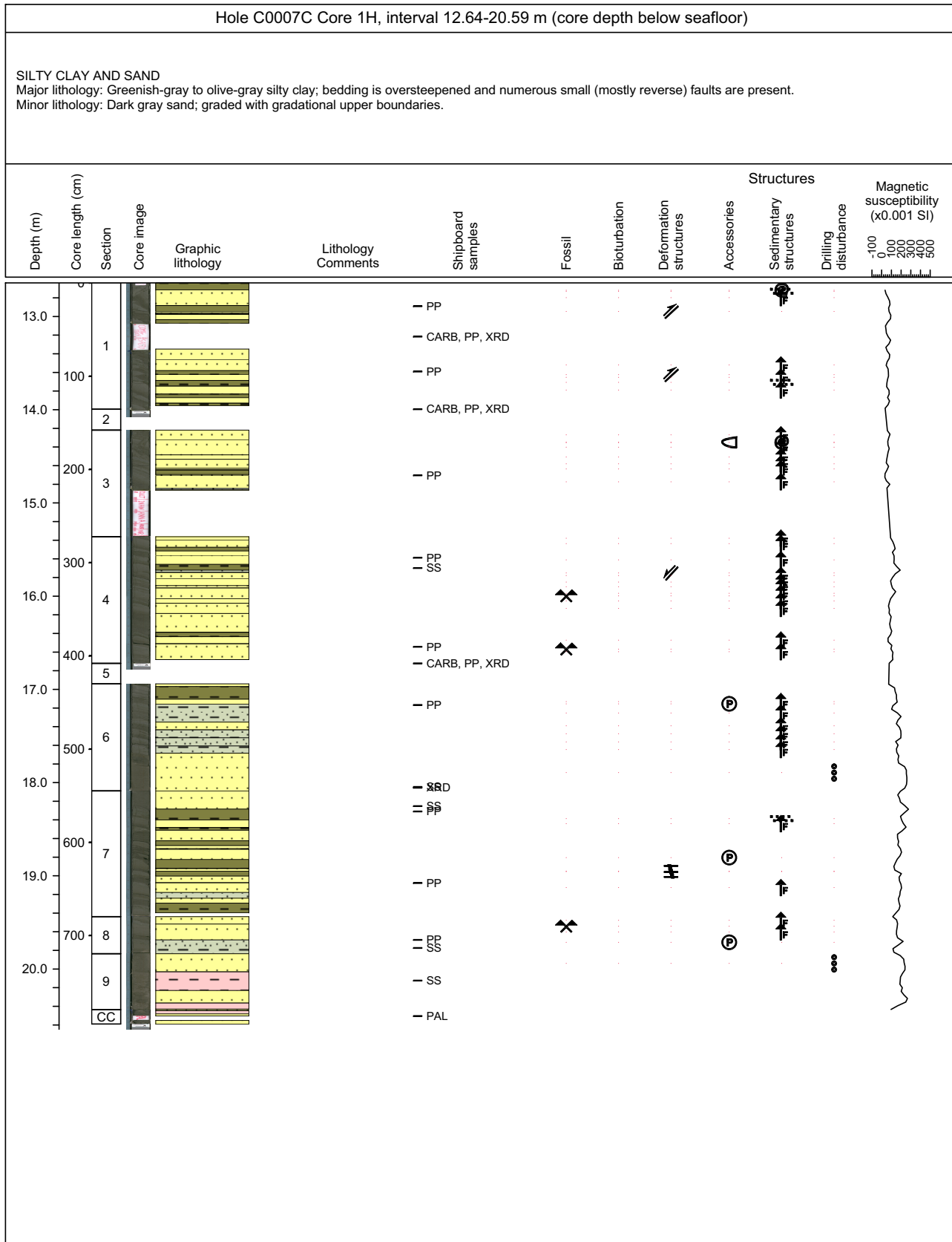
### Core Photo



### Core Photo



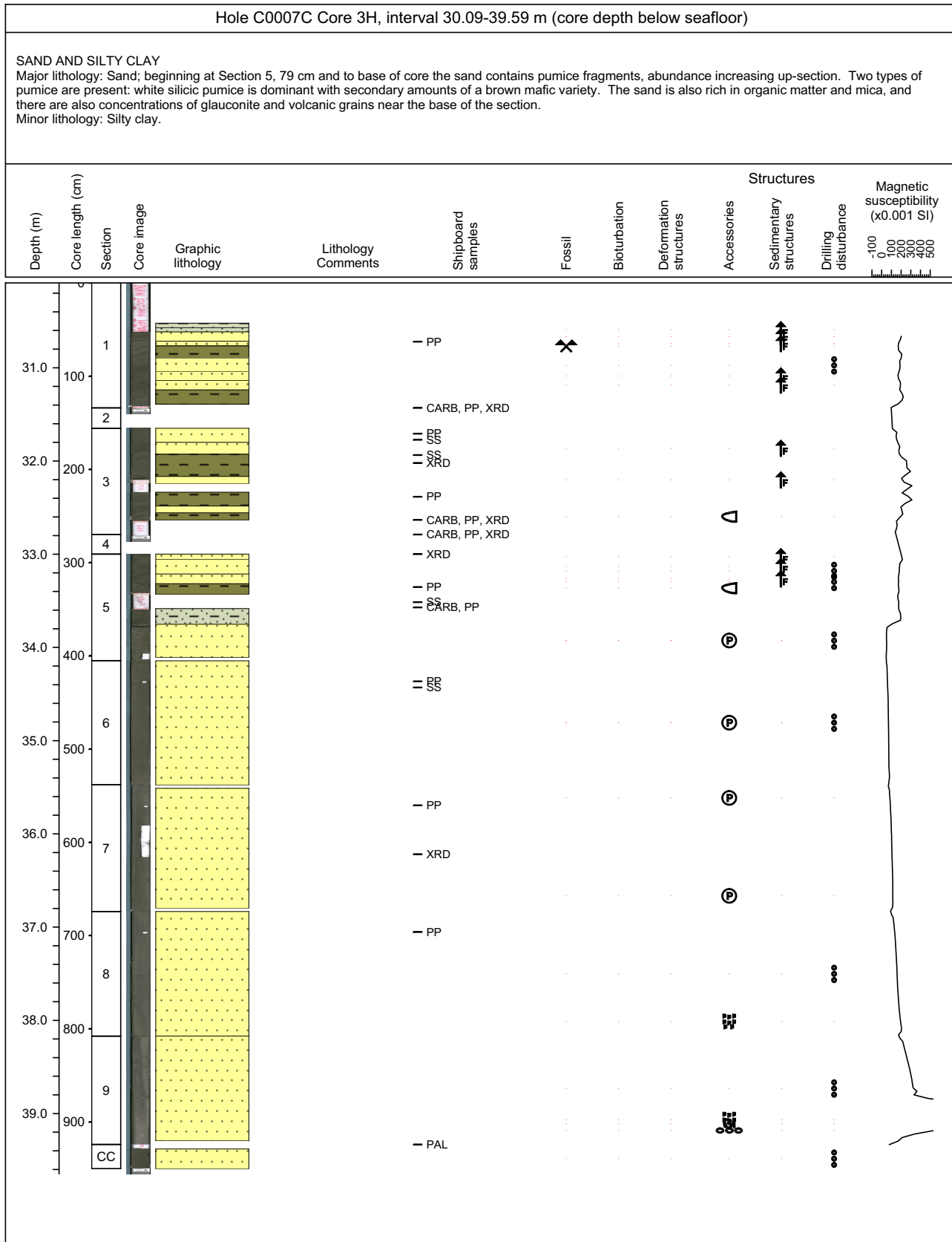
### Core Photo



Hole C007C Core 2H No recovery



### Core Photo

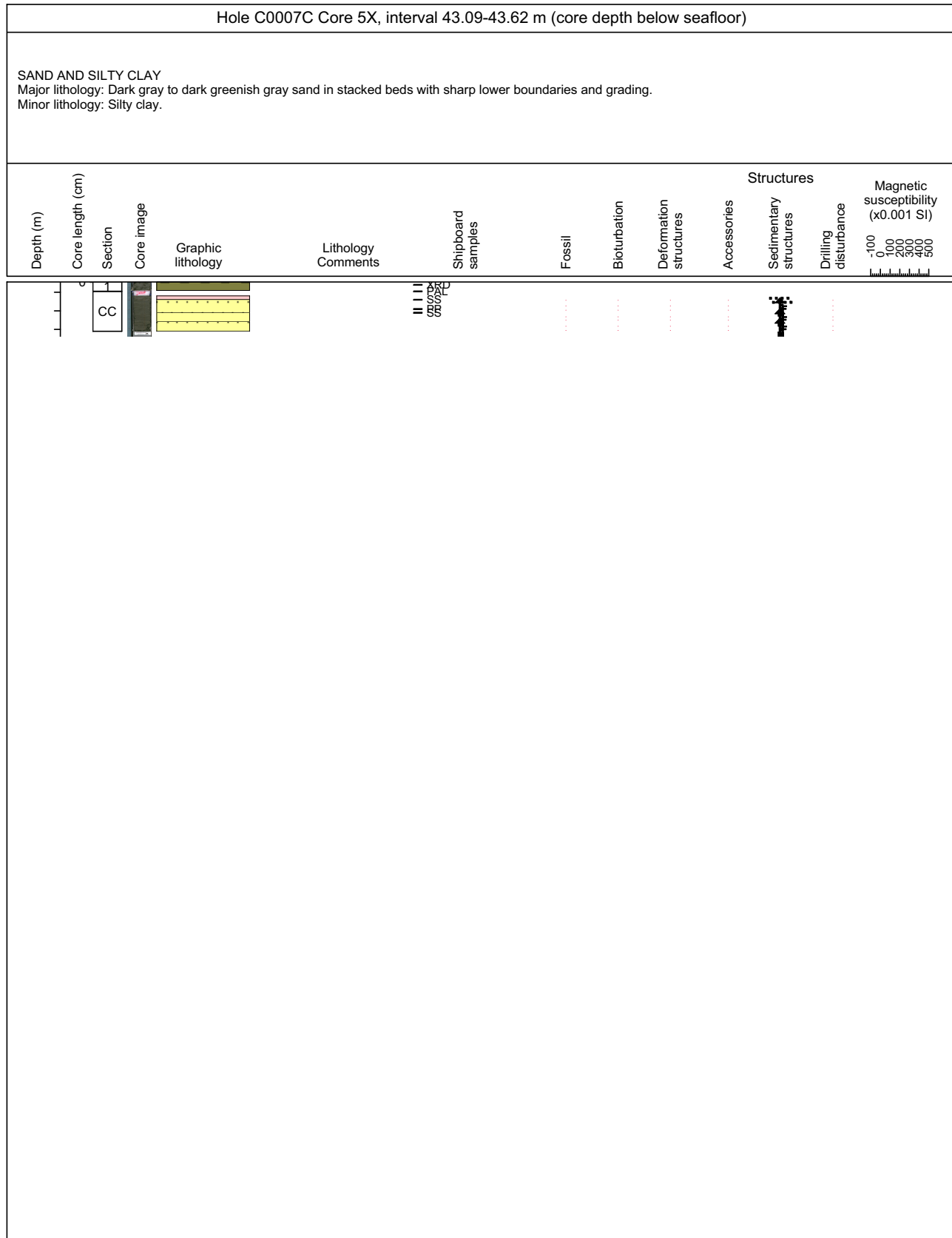


Hole C007C Core 4H No recovery

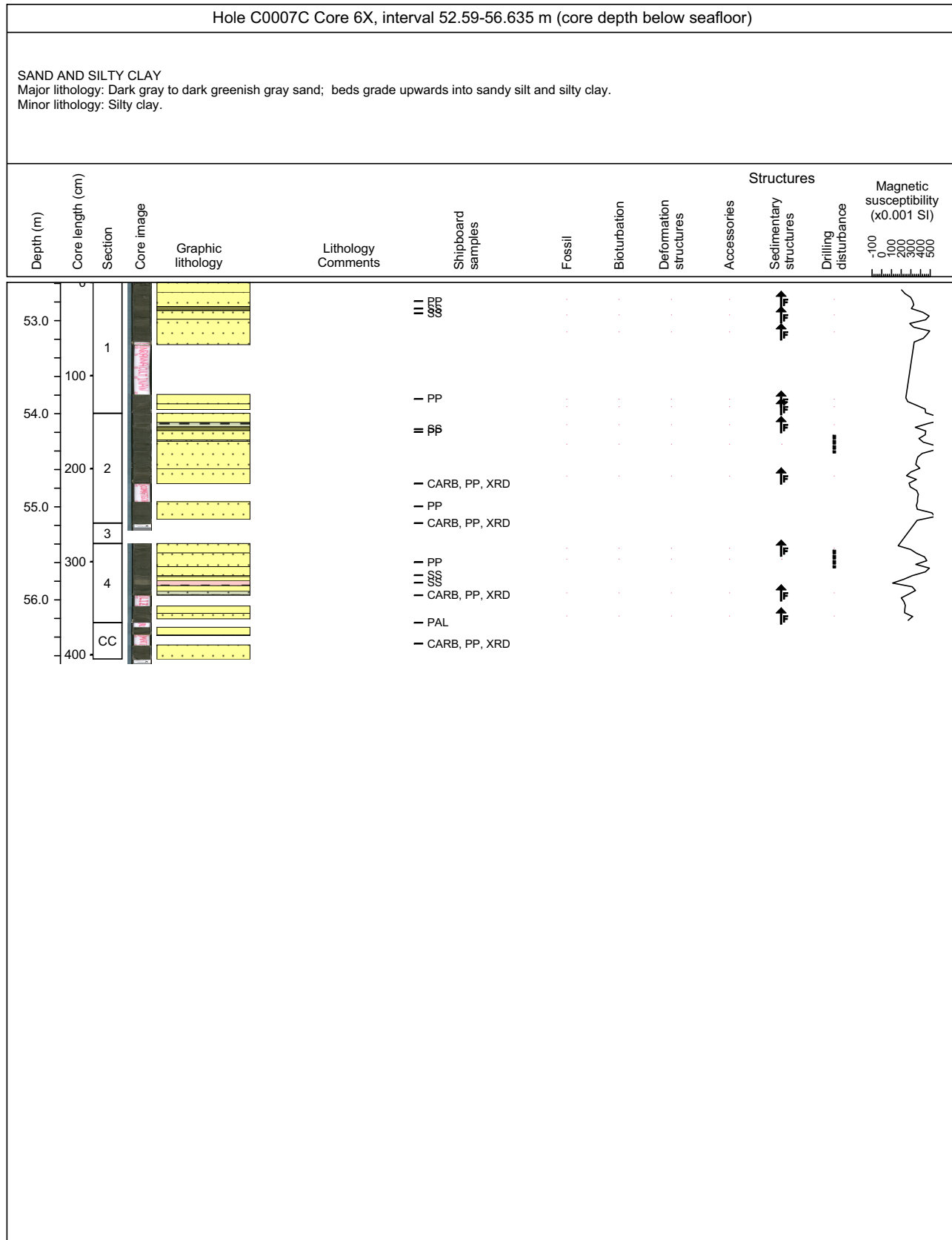




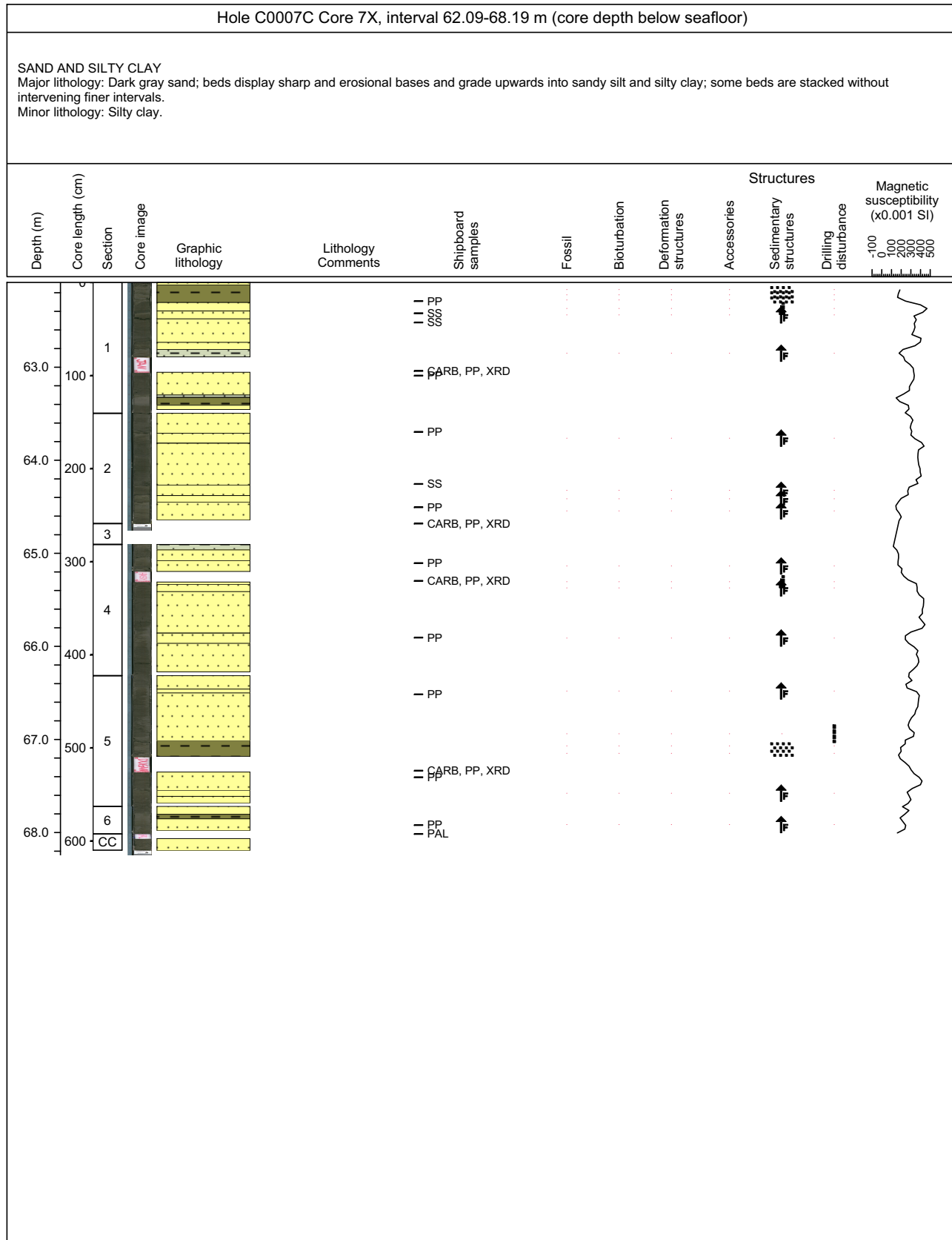
## Core Photo



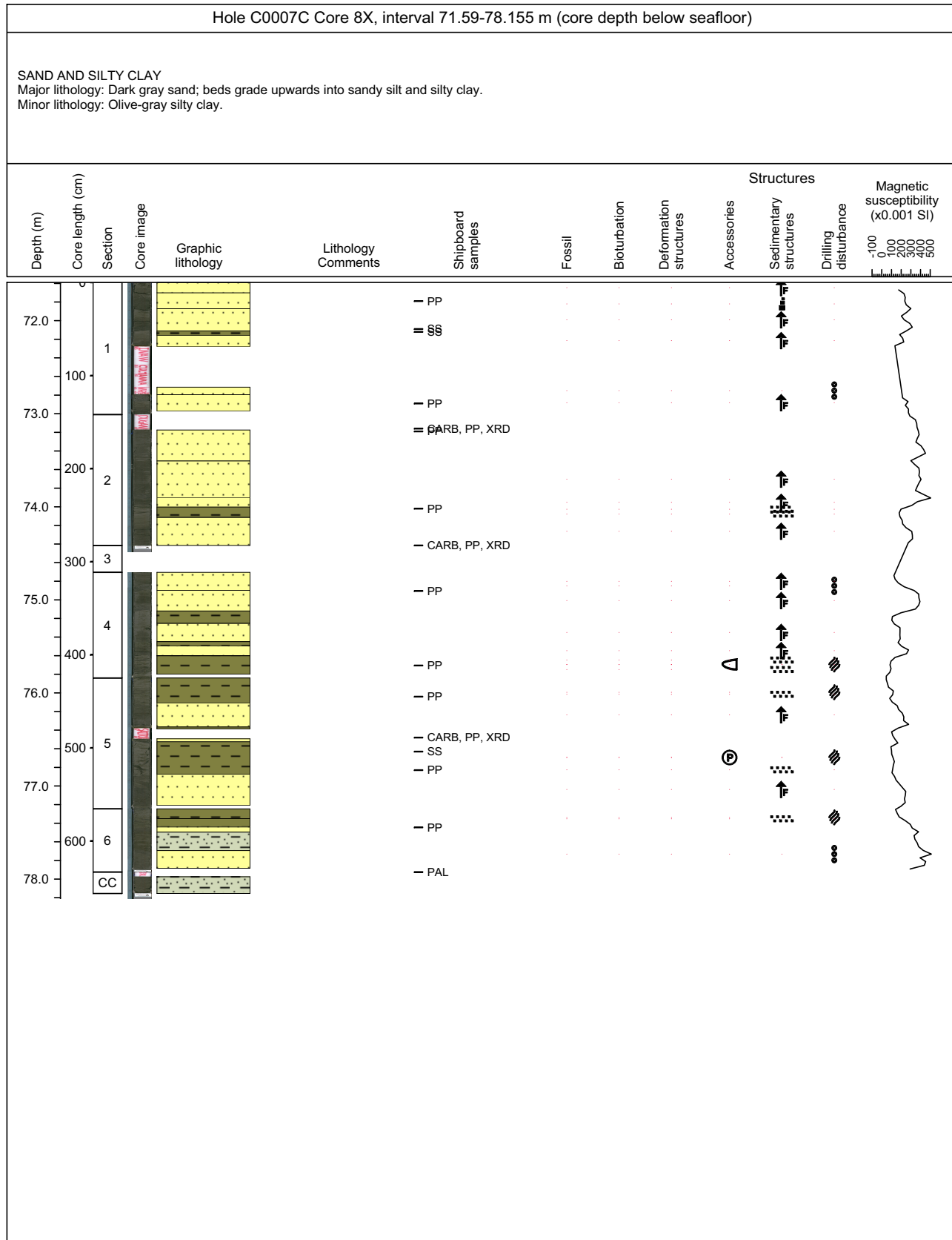
### Core Photo



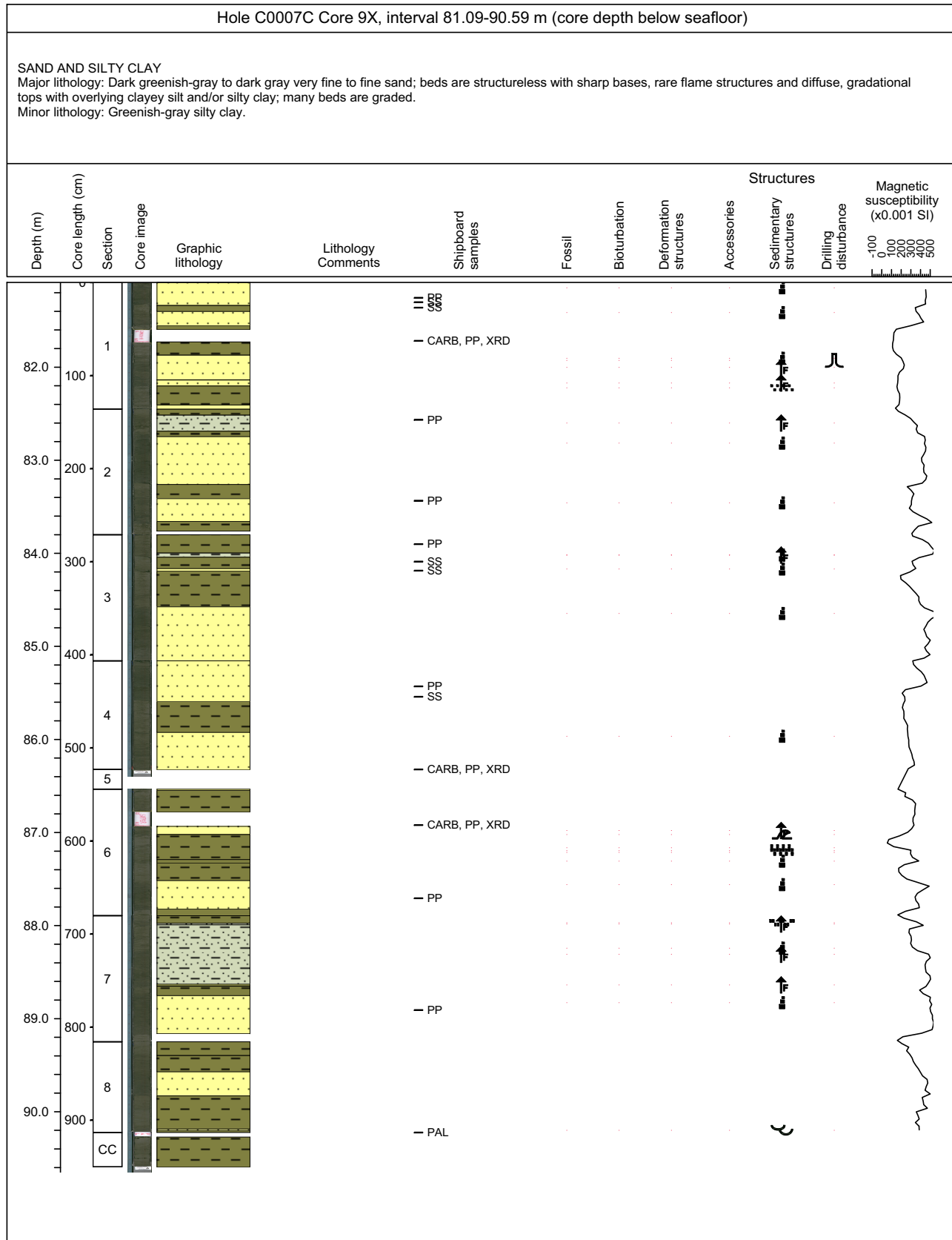
### Core Photo



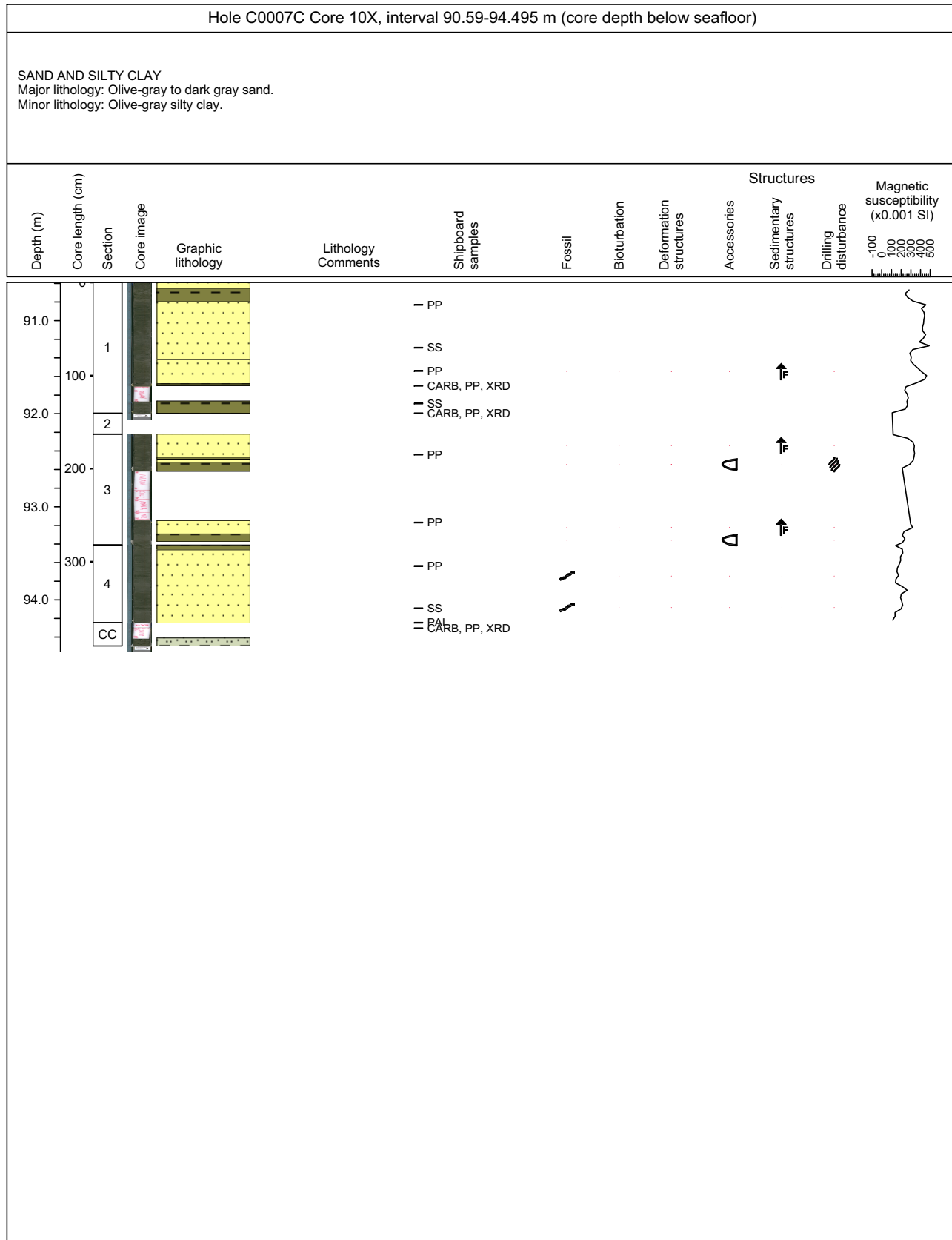
### Core Photo



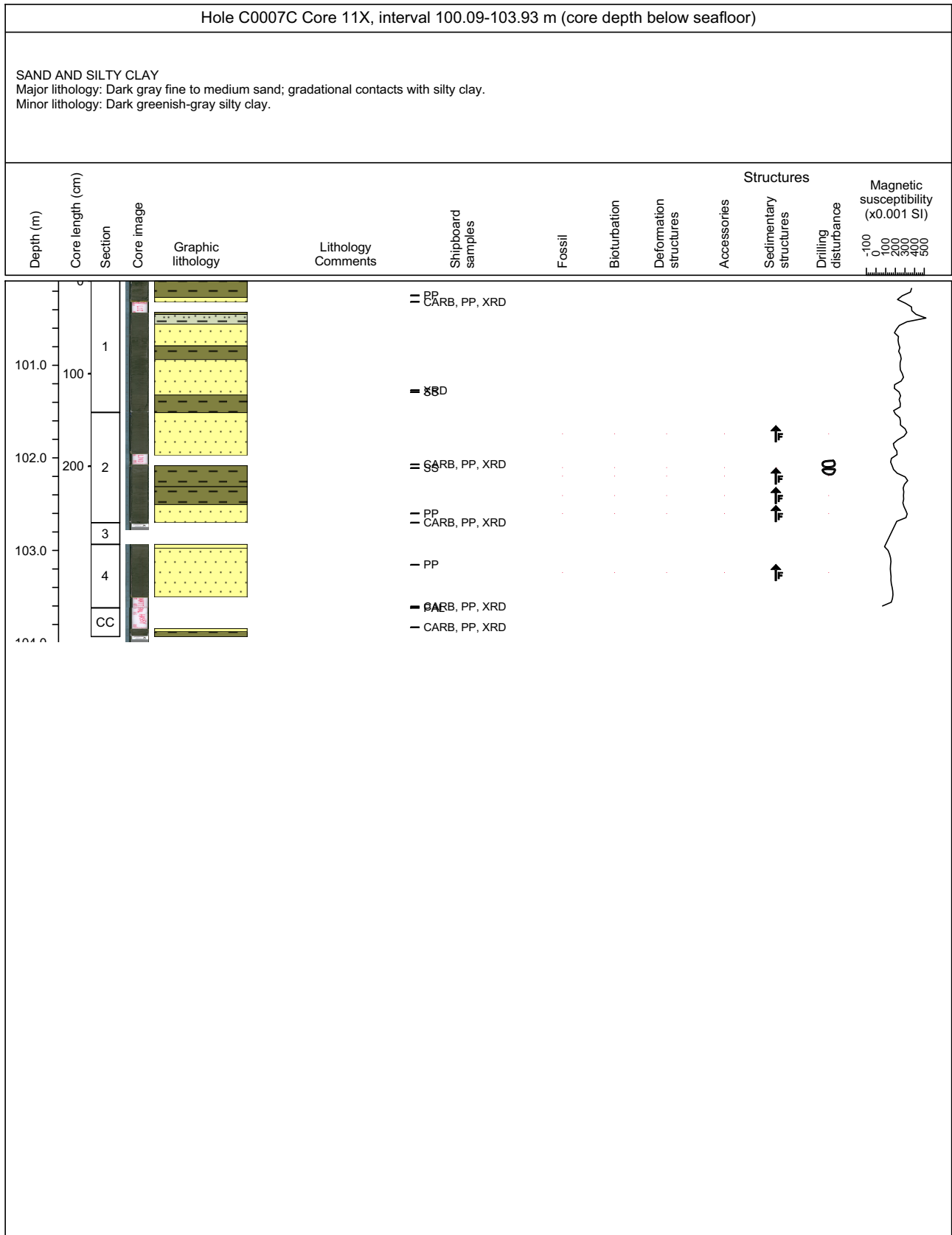
### Core Photo



### Core Photo



### Core Photo



## Core Photo

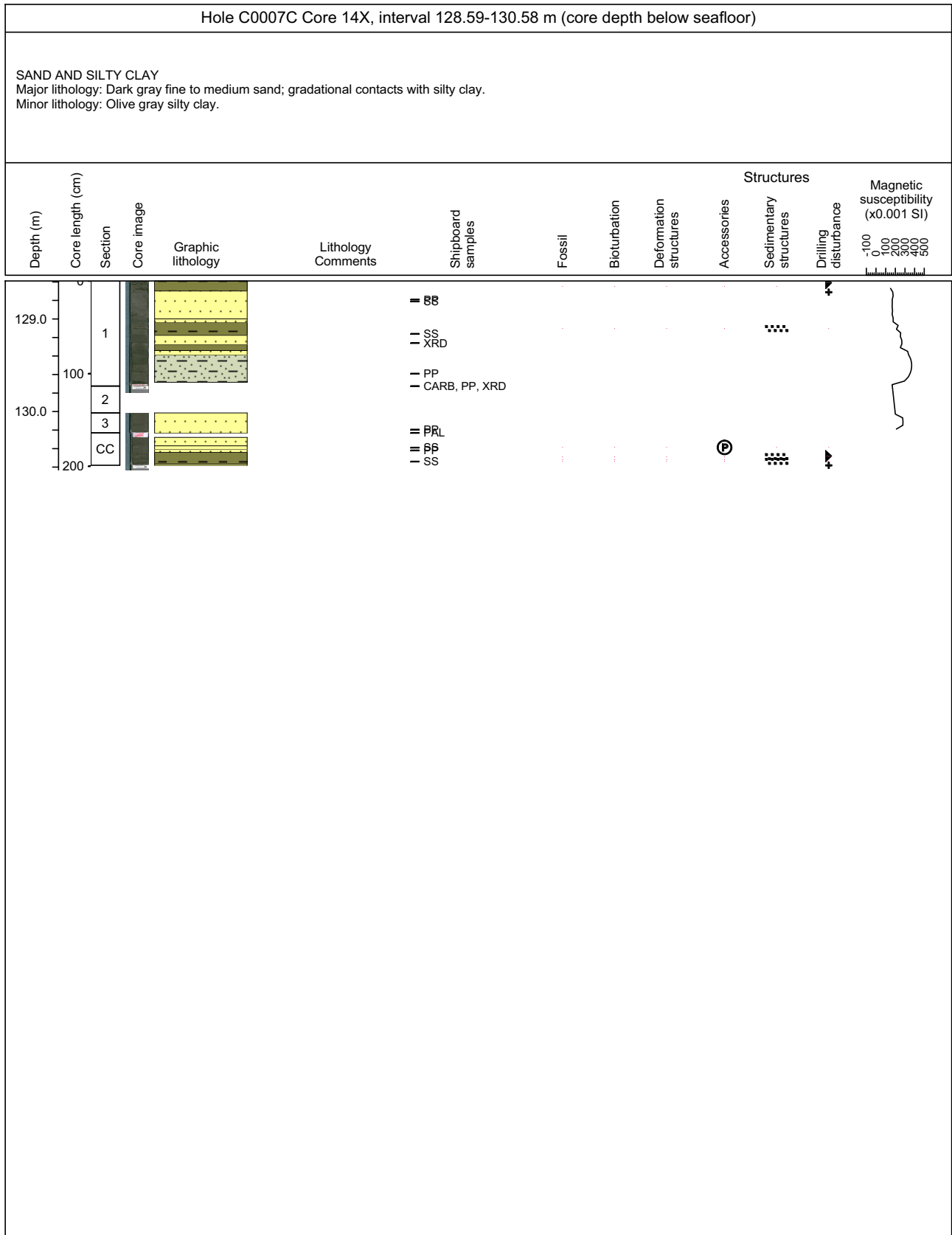
Hole C0007C Core 12X, interval 109.59-110.135 m (core depth below seafloor)												
SAND Major lithology: Dark gray medium to coarse sand; contains pumice pebbles												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)
110.0	1	CC										

Hole C0007C Core 13H No recovery





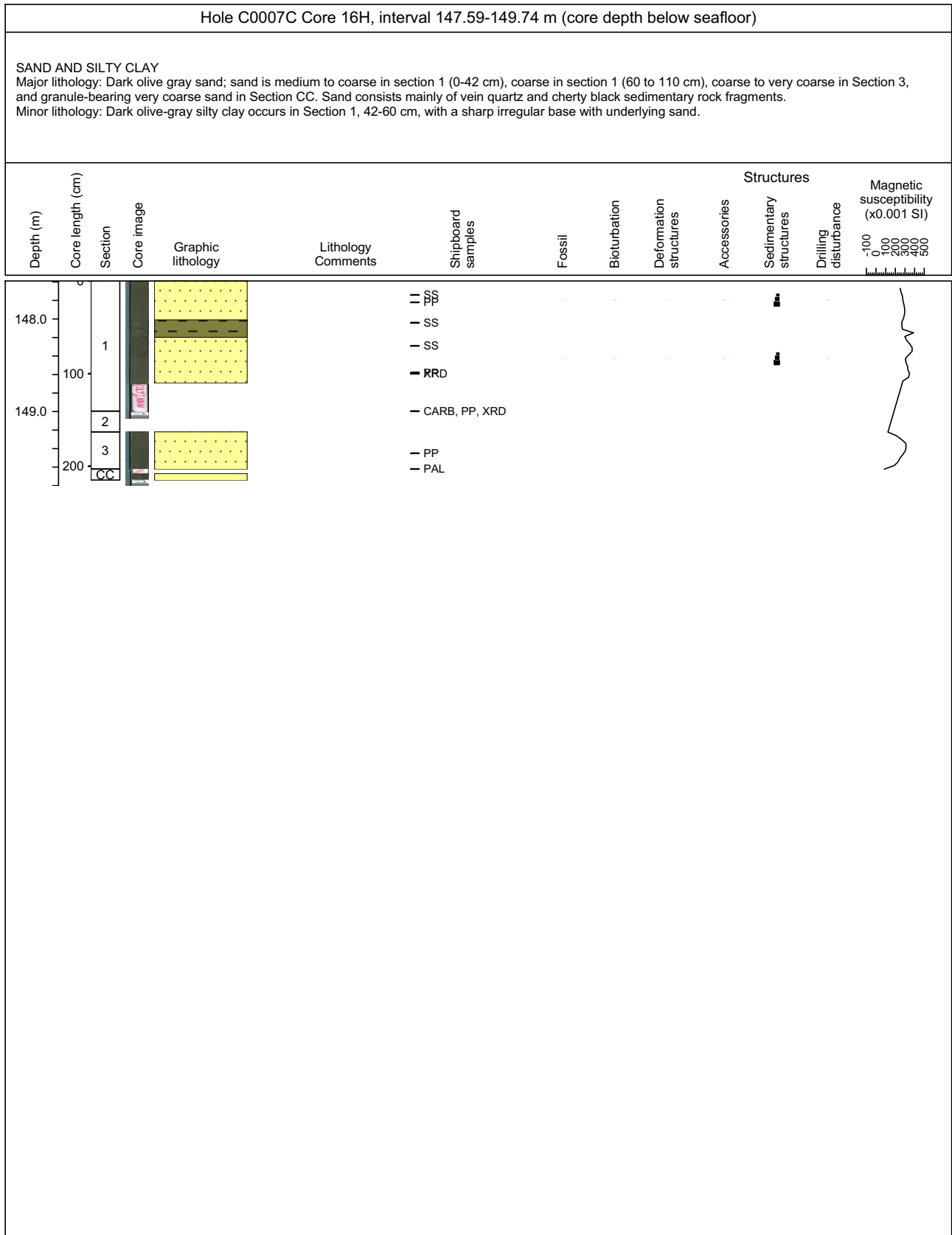
### Core Photo



Hole C0007C Core 15H No recovery



### Core Photo



### Core Photo



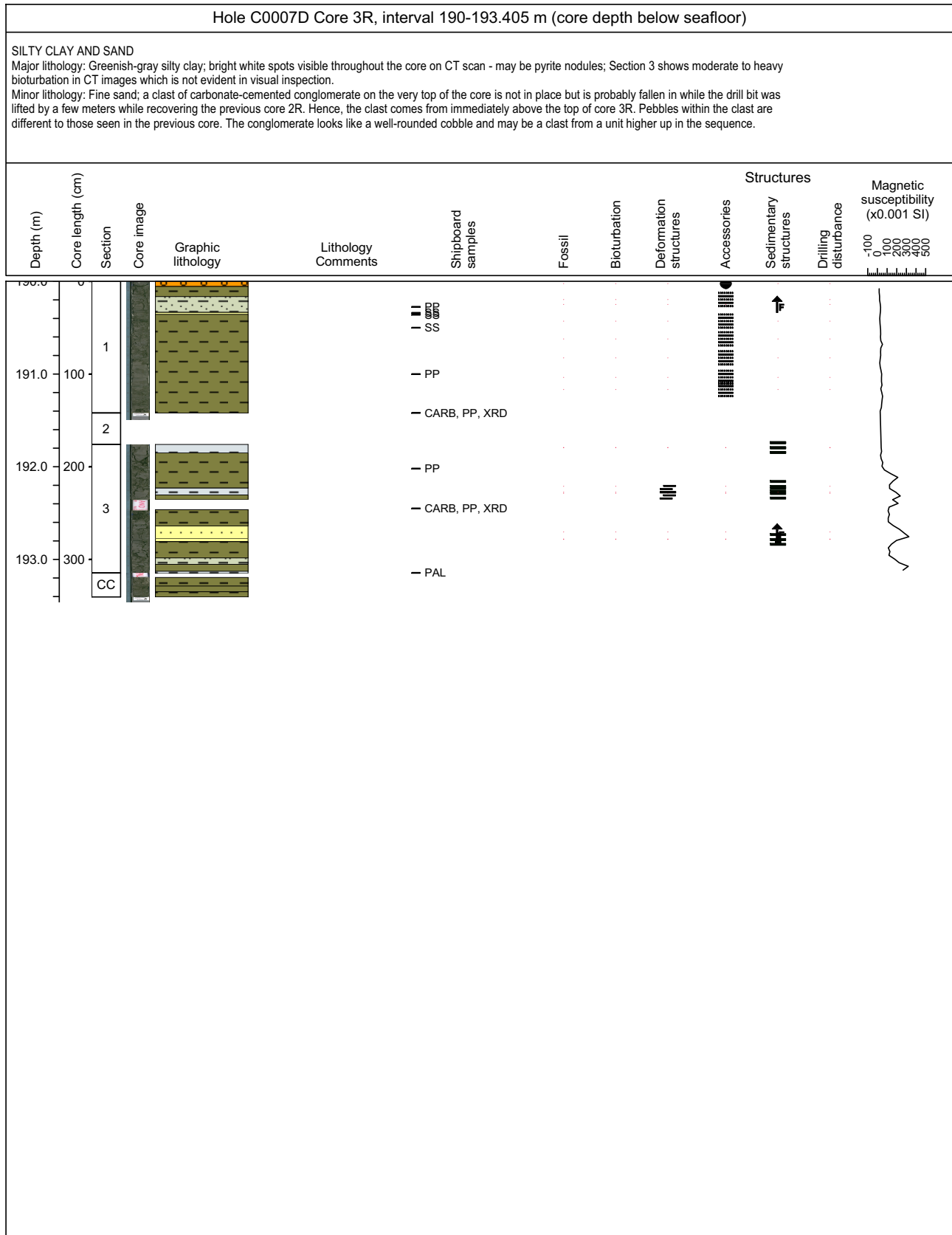
## Core Photo

Hole C0007D Core 1R, interval 175-175.16 m (core depth below seafloor)												
SANDY SILT Major lithology: Sandy silt with mudstone clasts. Minor lithology: Greenish-gray silty sand												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)
175.00	0	CC										

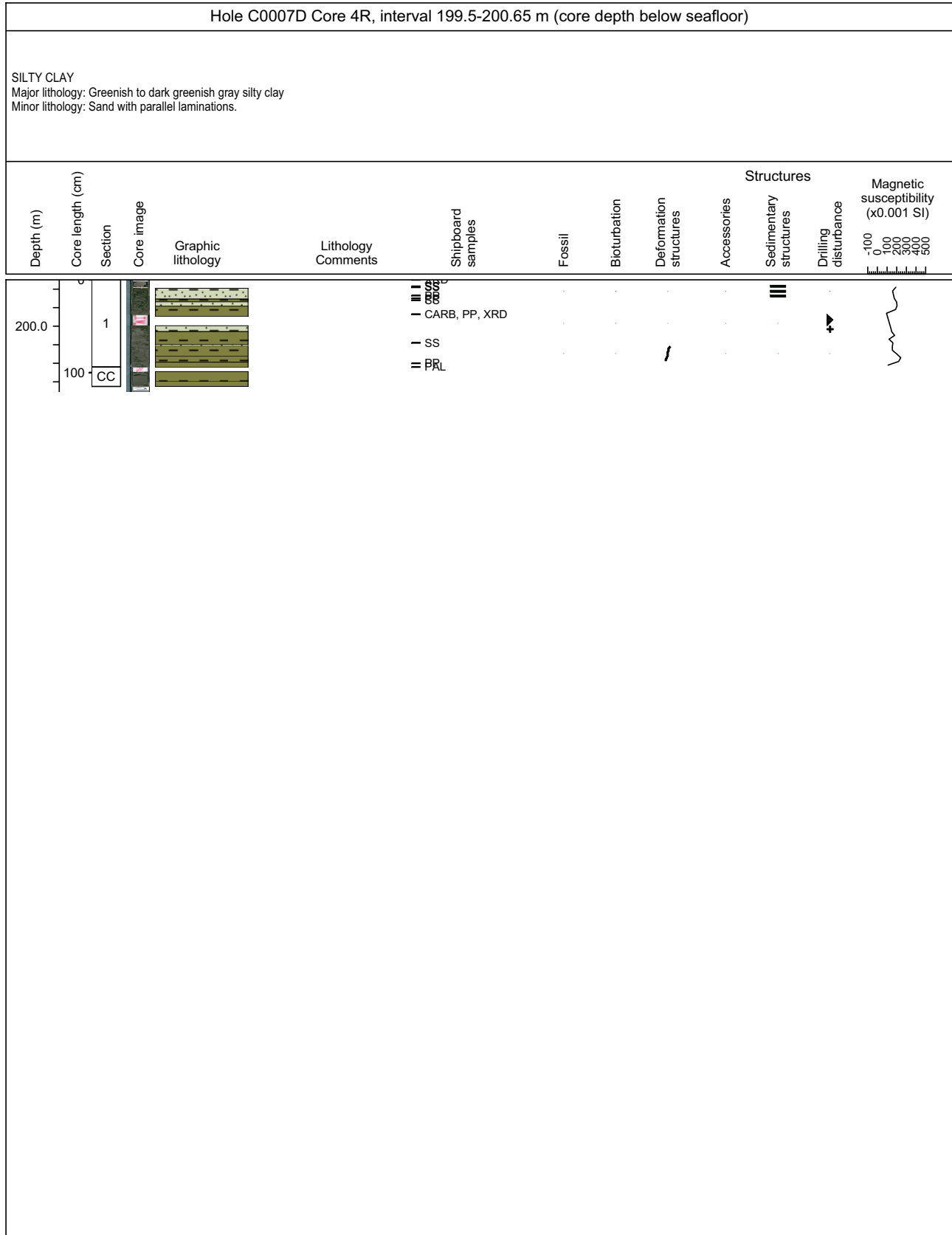
Hole C0007D Core 2R No recovery



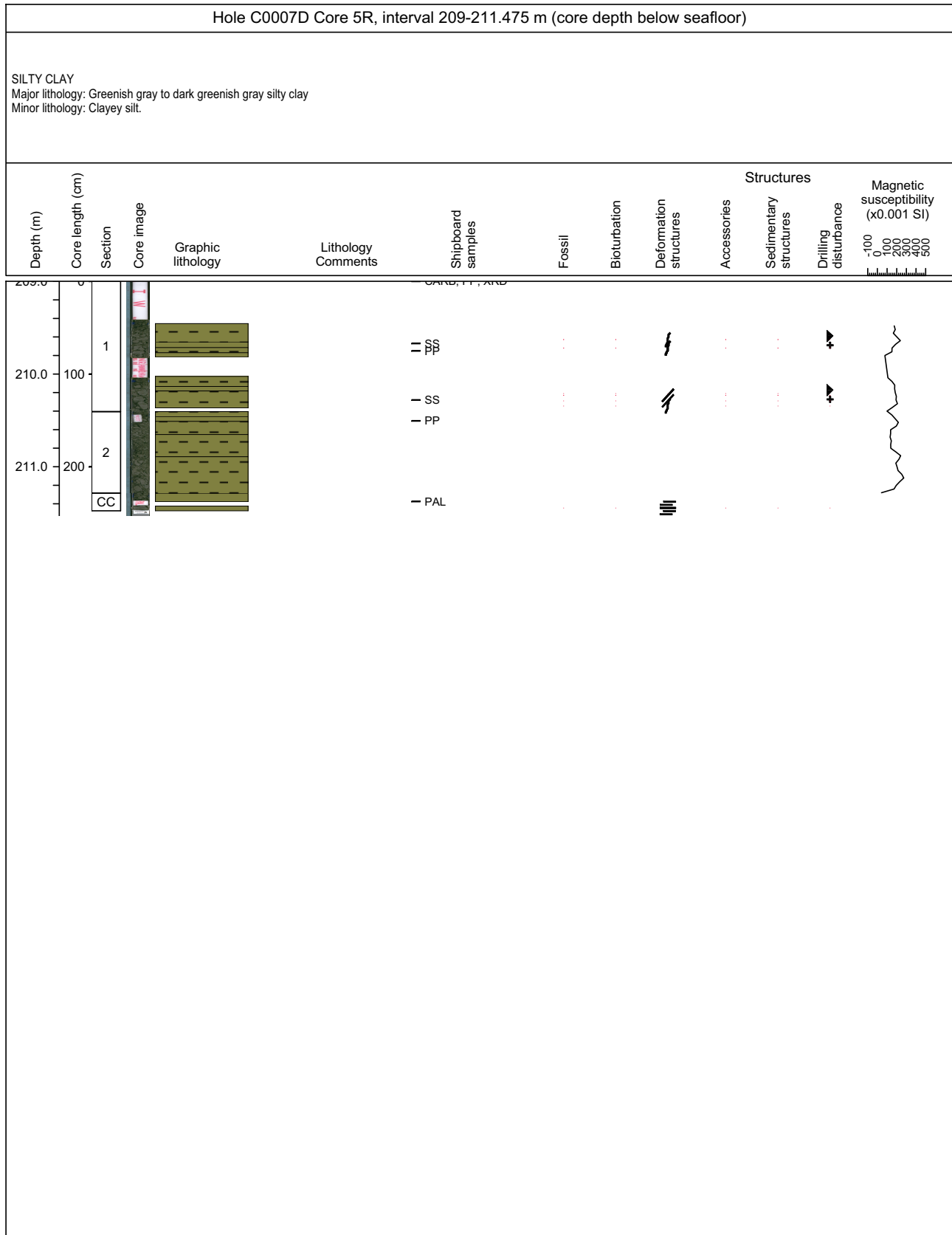
### Core Photo



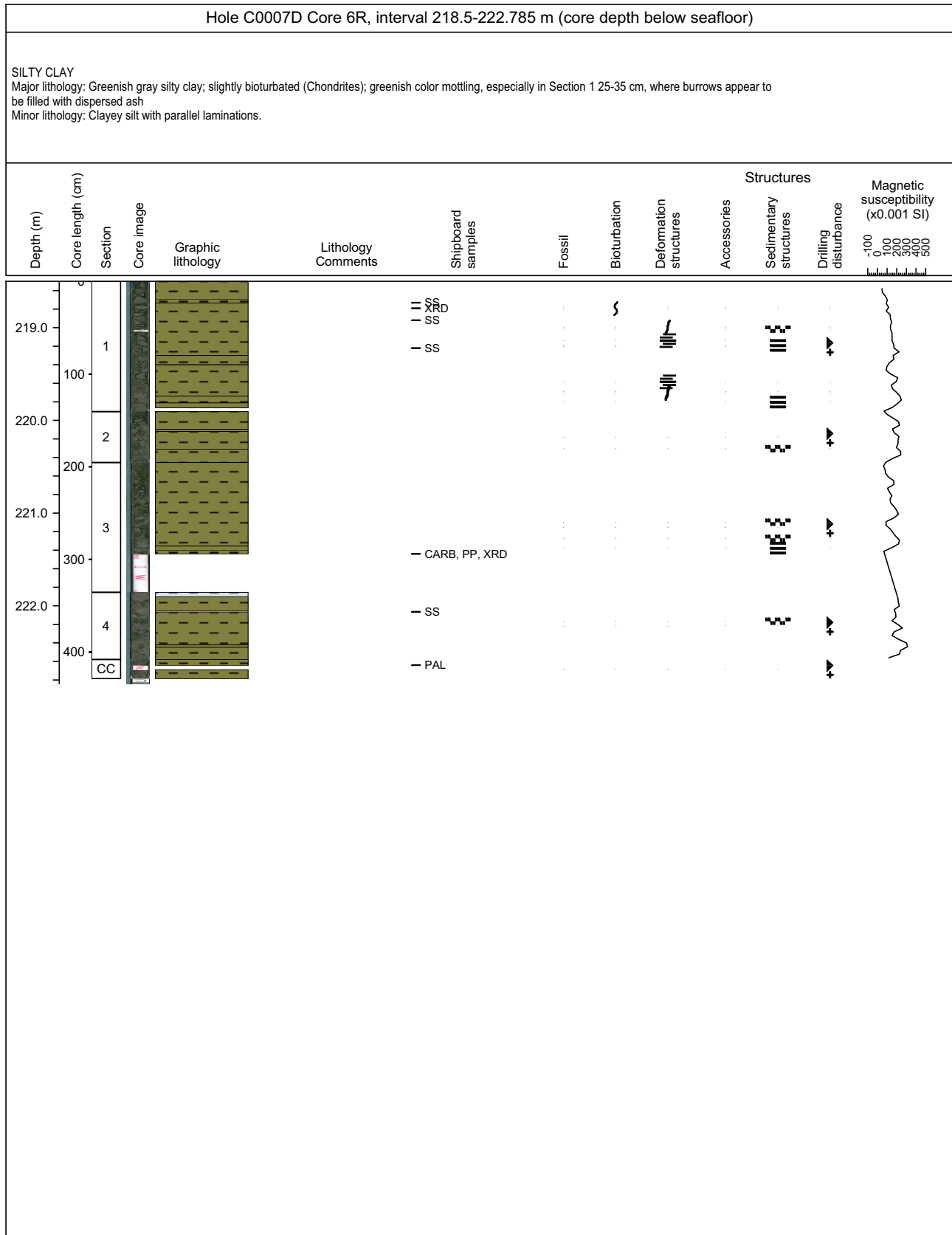
### Core Photo



### Core Photo

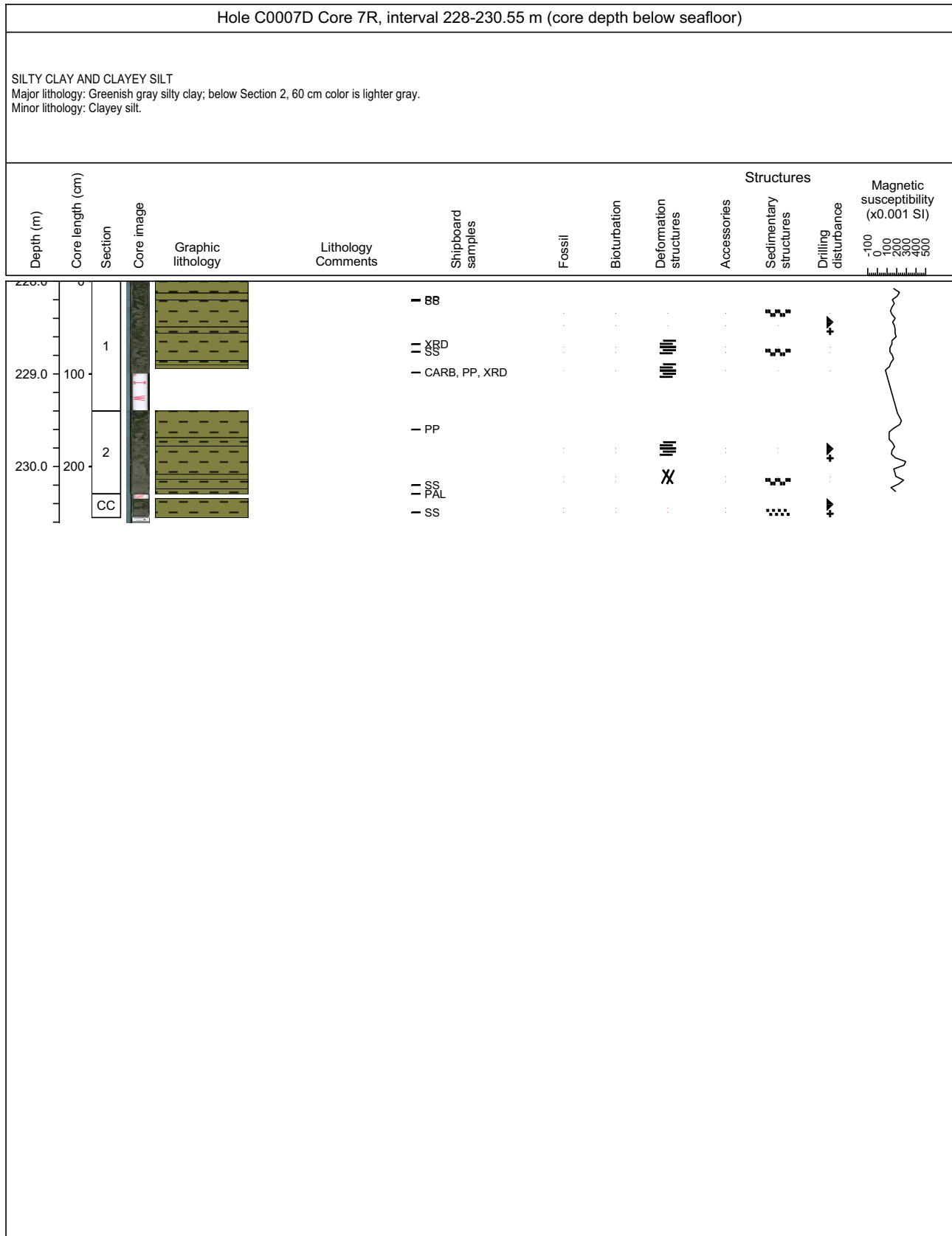


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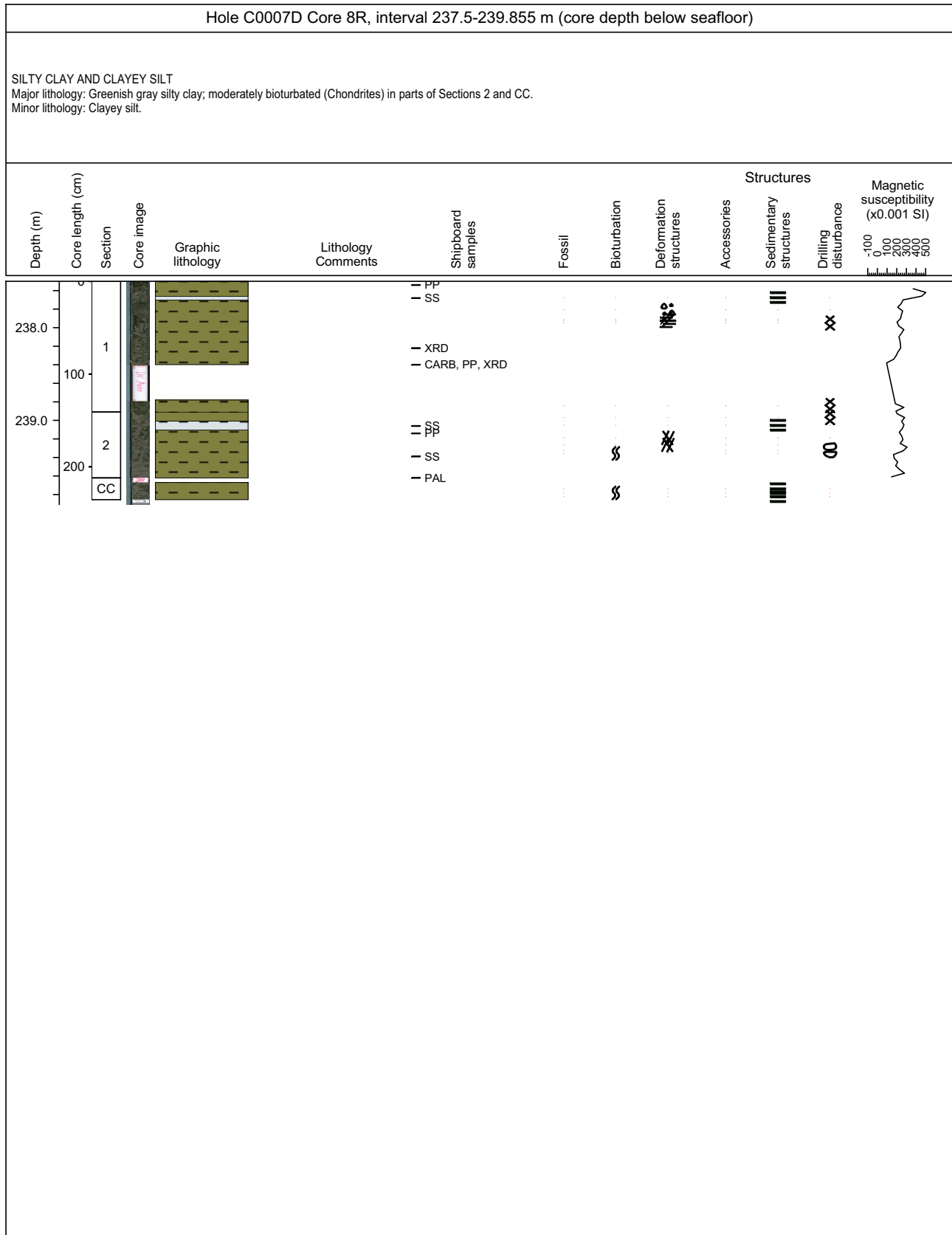




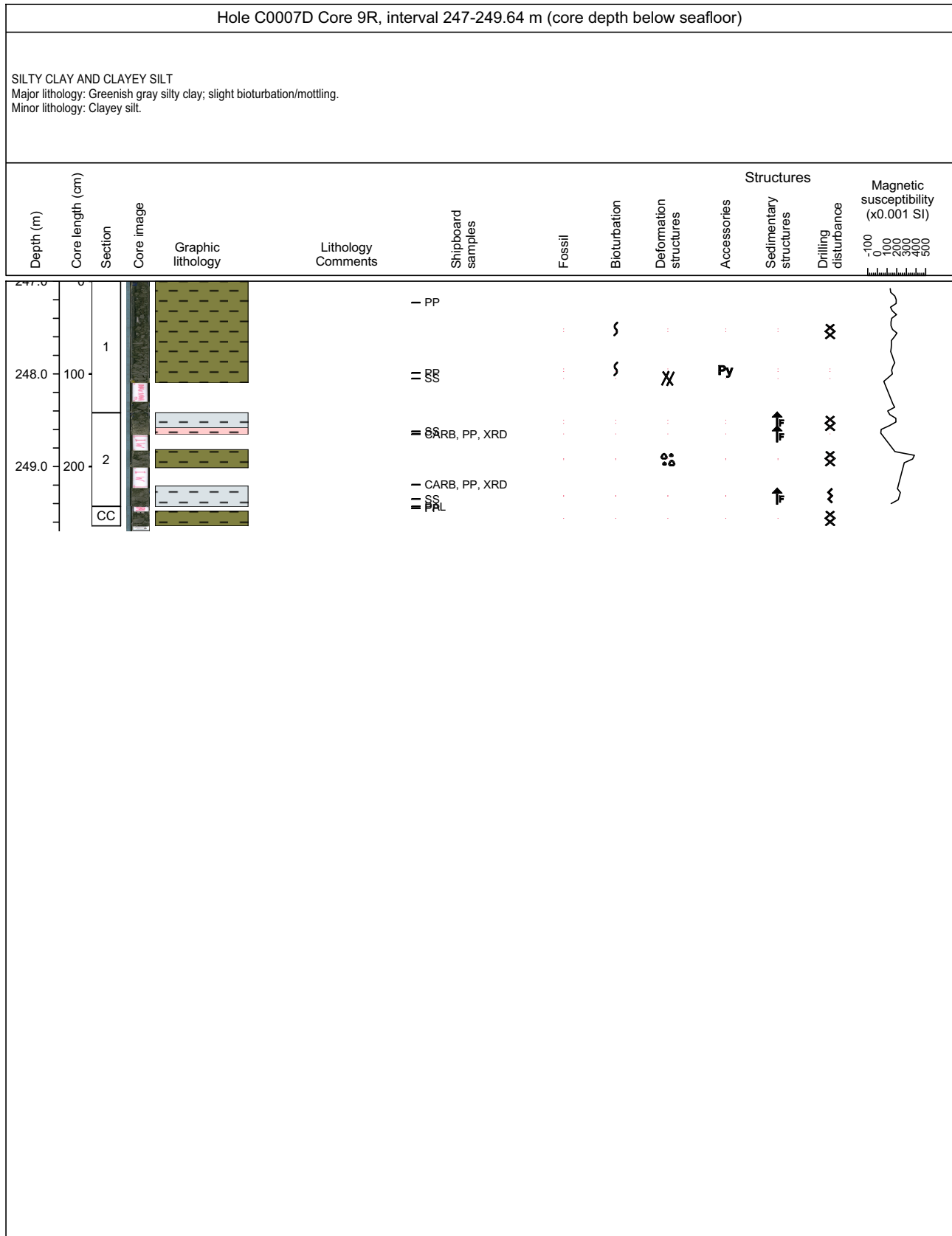
### Core Photo



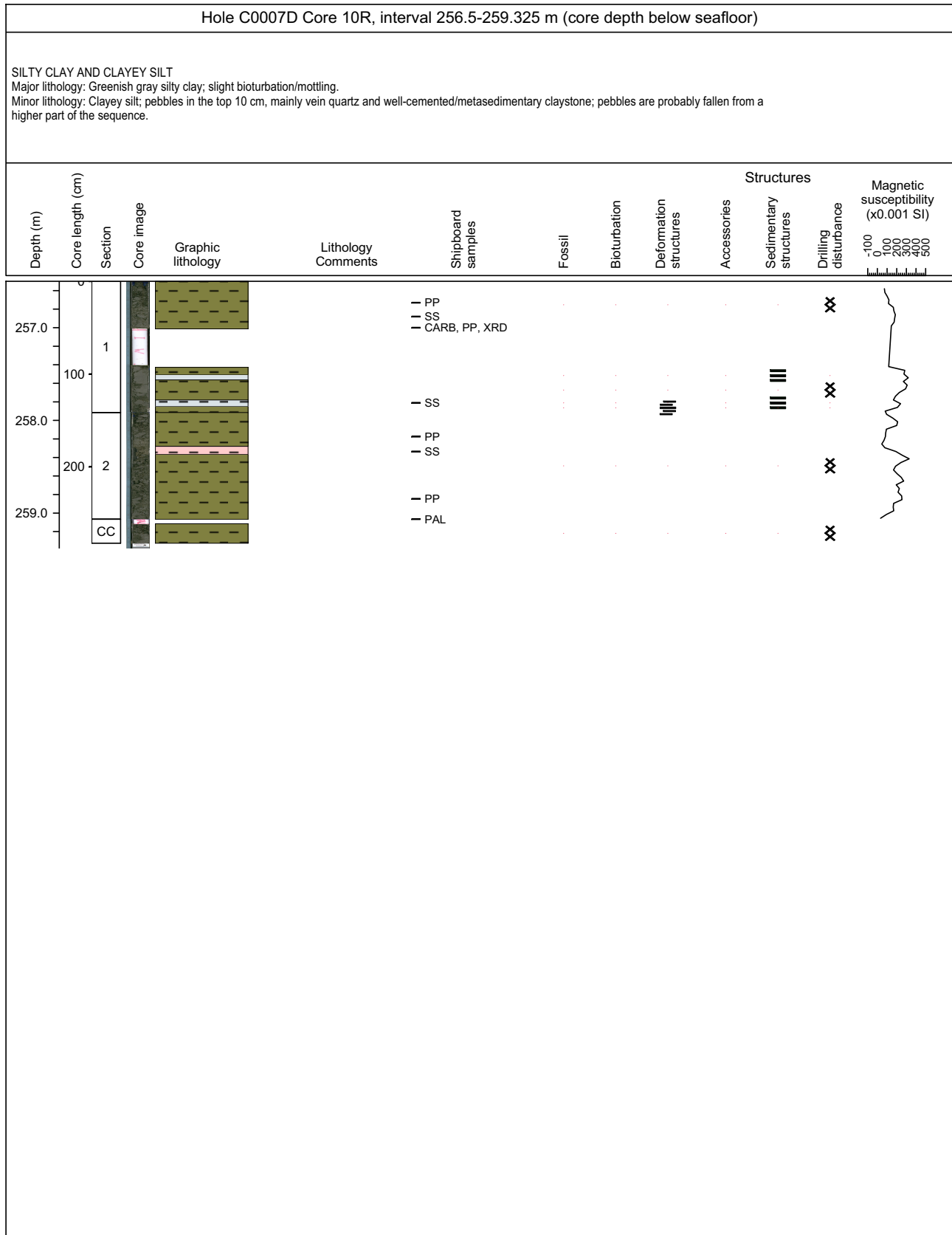
### Core Photo



### Core Photo



### Core Photo

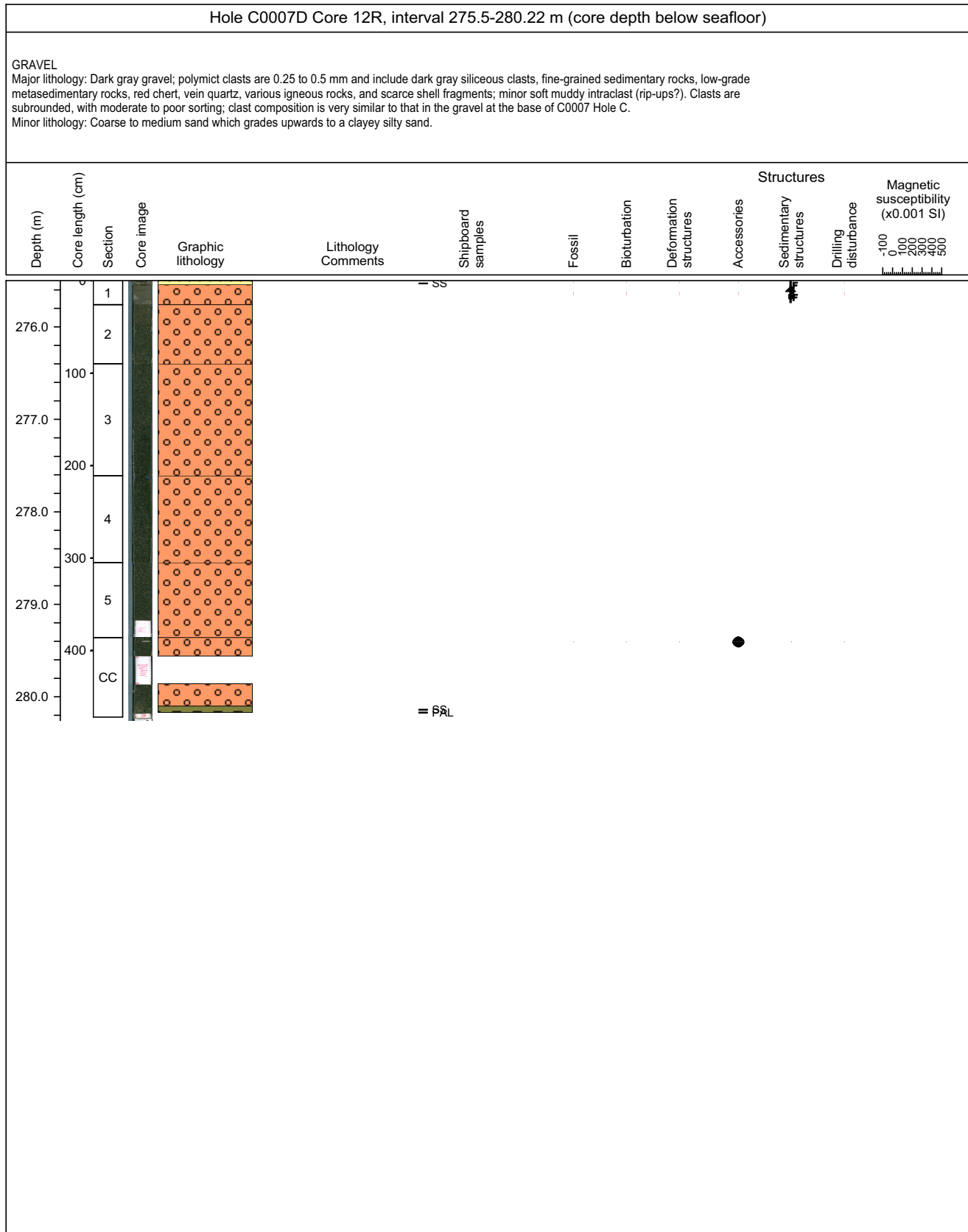


### Core Photo

Hole C0007D Core 11R, interval 266-266.765 m (core depth below seafloor)												
<p>SAND AND GRAVEL                      Major lithology: Sand.                      Minor lithology: Gravel with pebbles up to 1.5 cm; grades upwards into sand; the underlying silty clay is well-indurated.</p>												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures Sedimentary structures	Magnetic susceptibility (x0.001 SI)
266.0	1	CC			SS Silty clay							



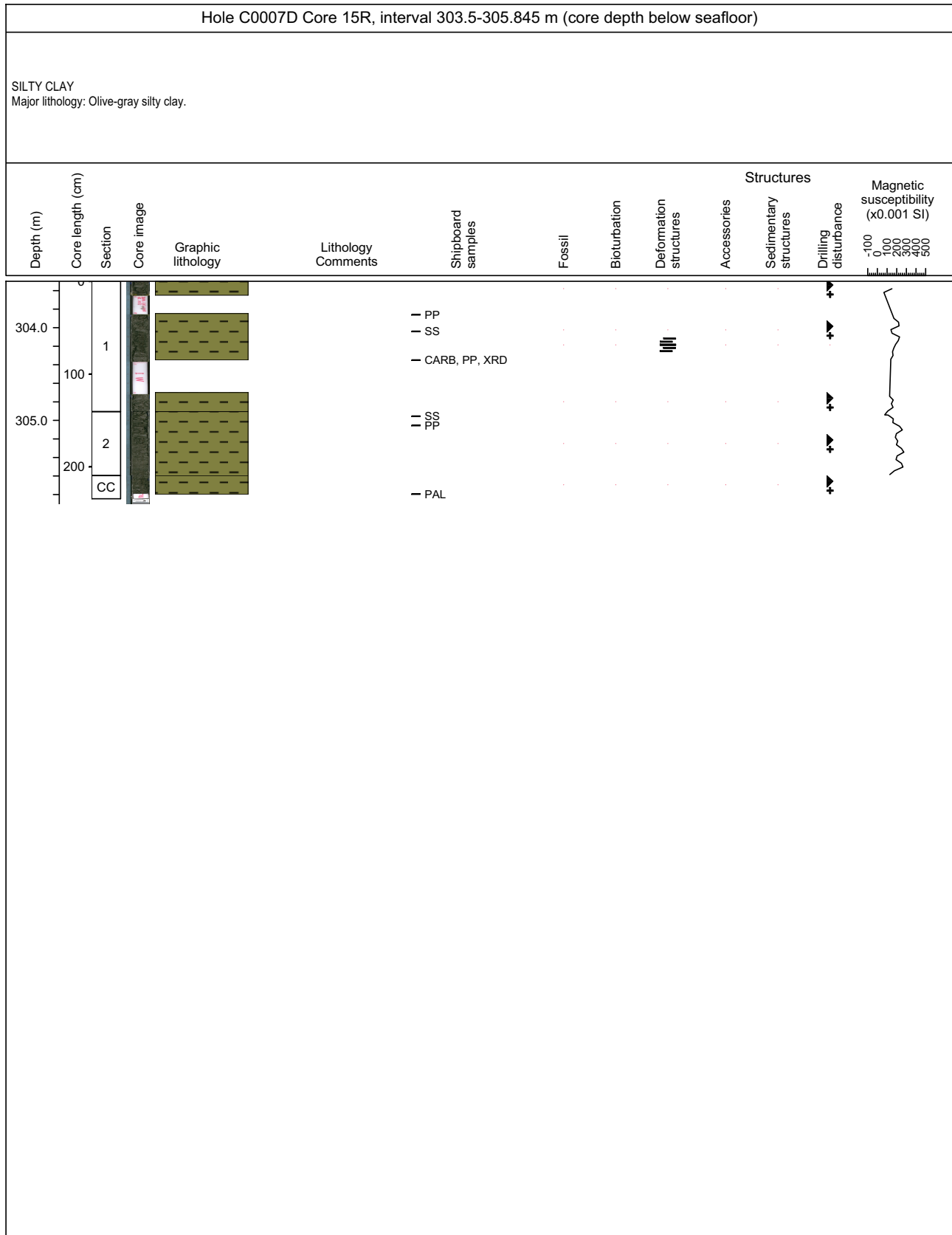
### Core Photo



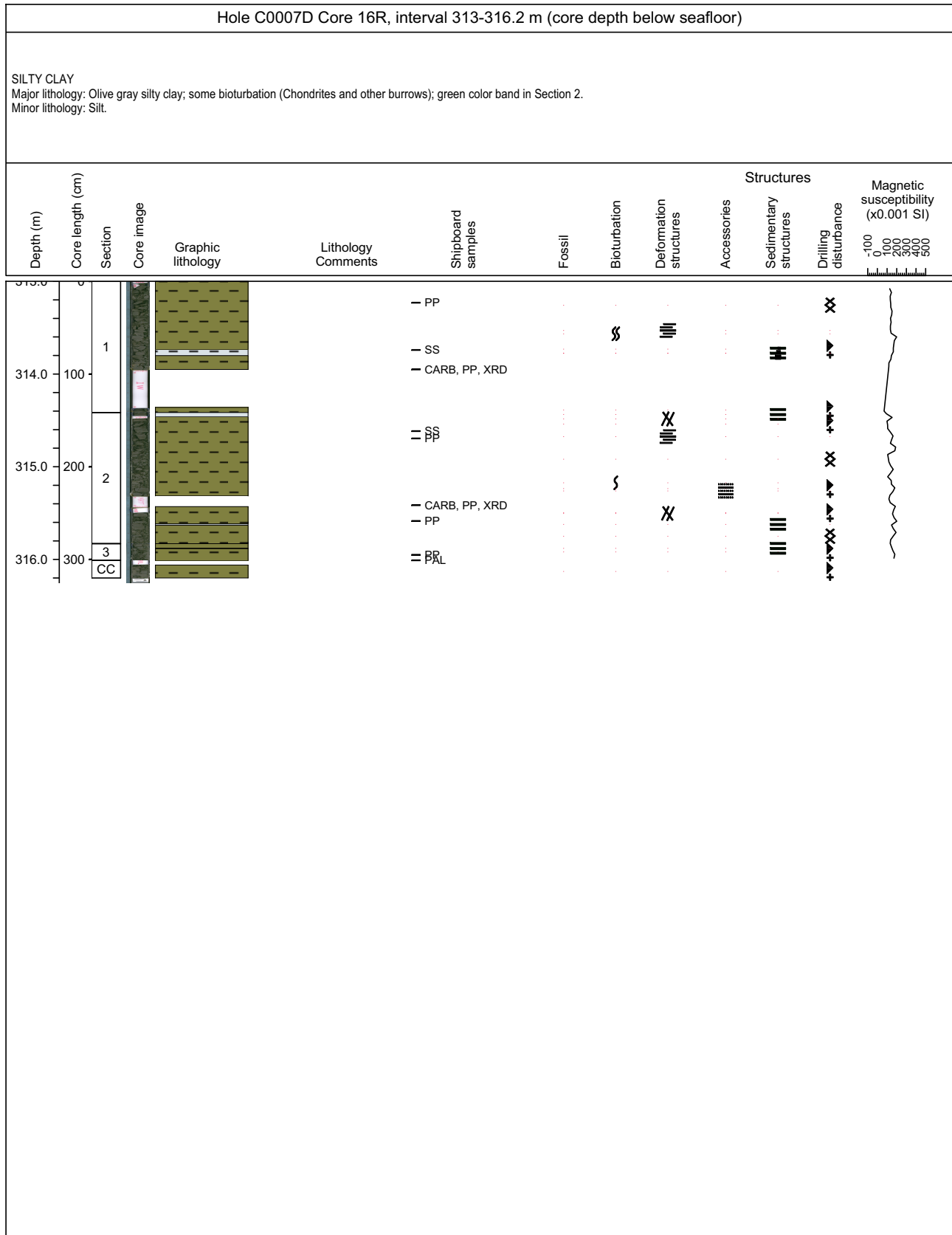
Hole C0007D Core 13R and 14R No recovery



### Core Photo

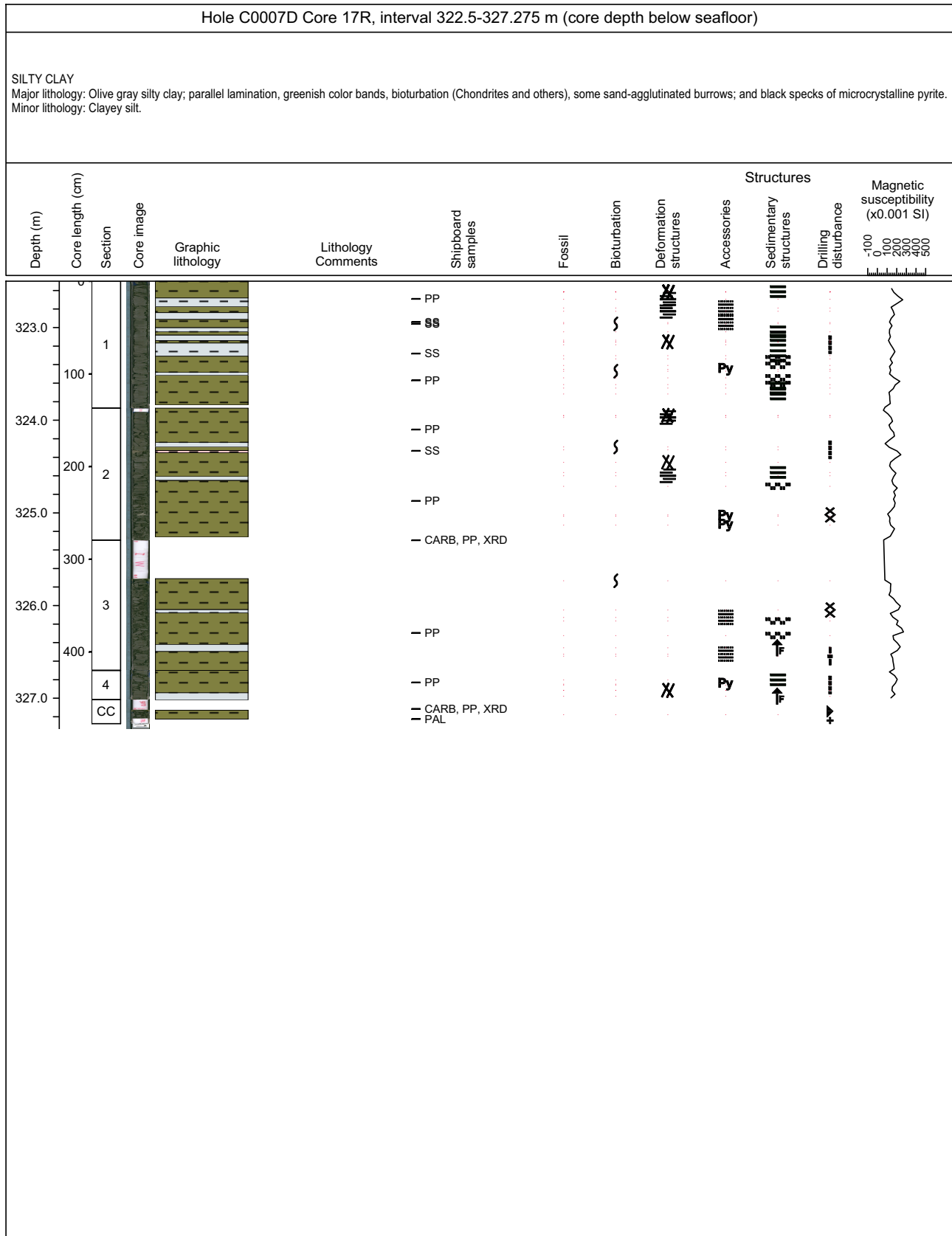


### Core Photo

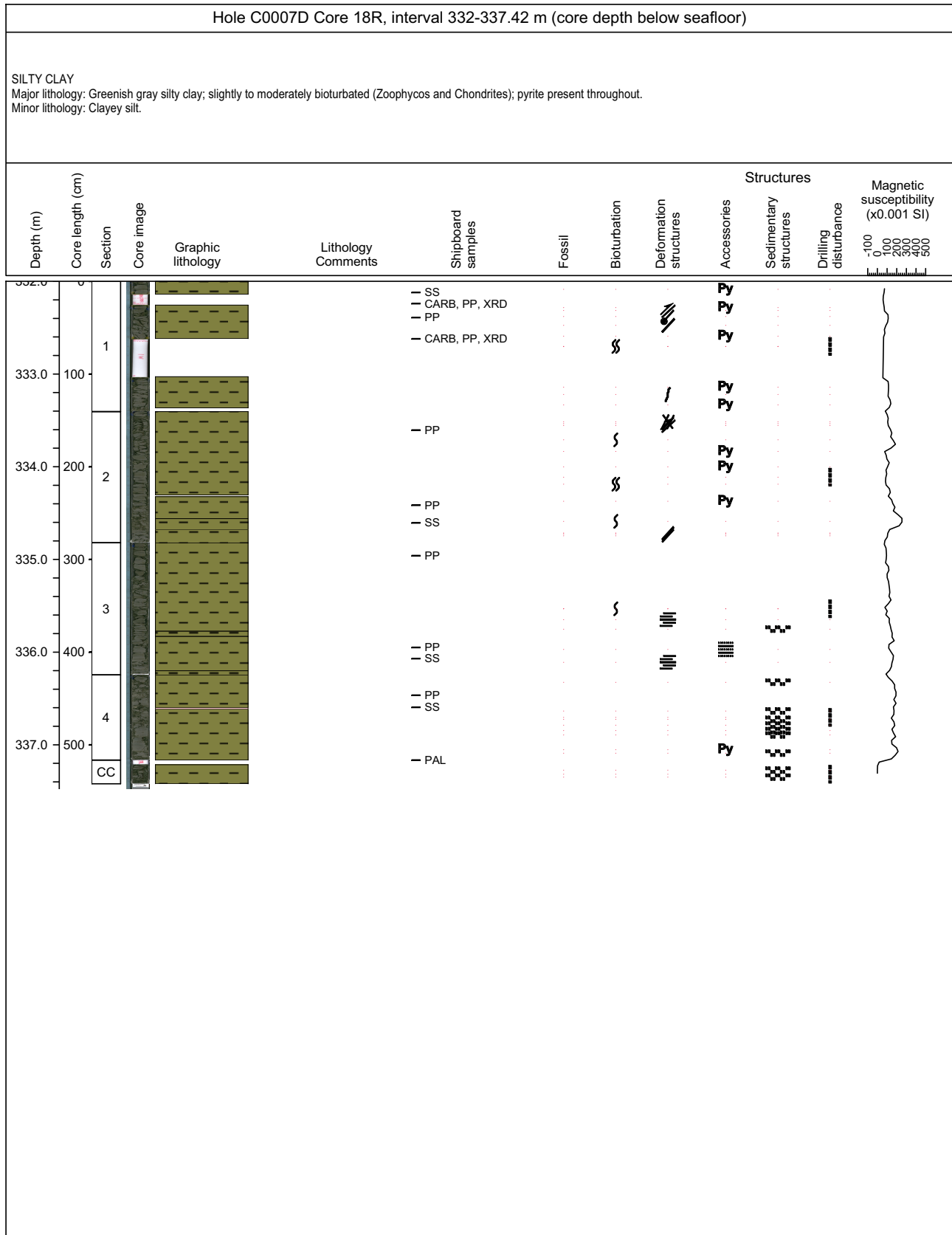




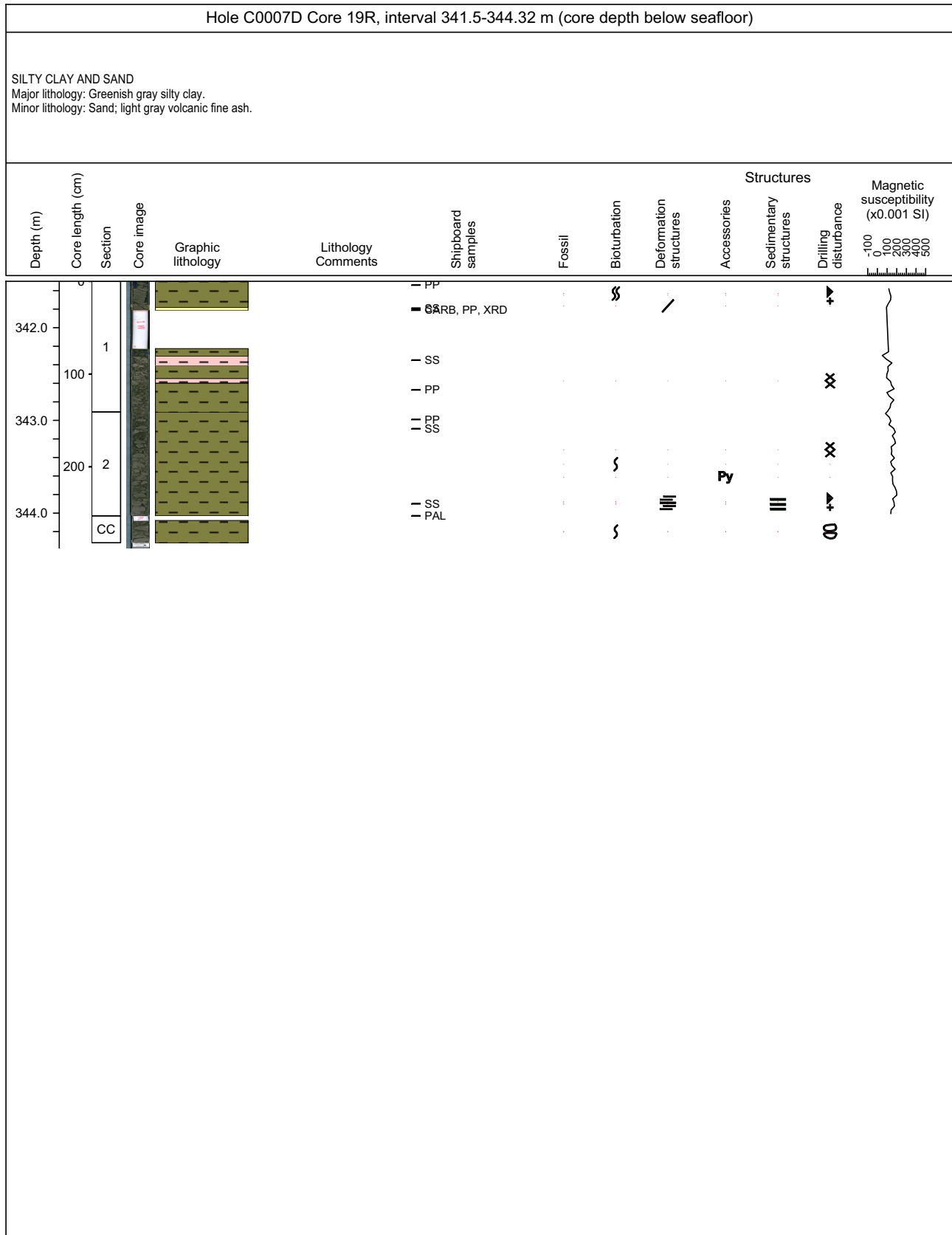
### Core Photo



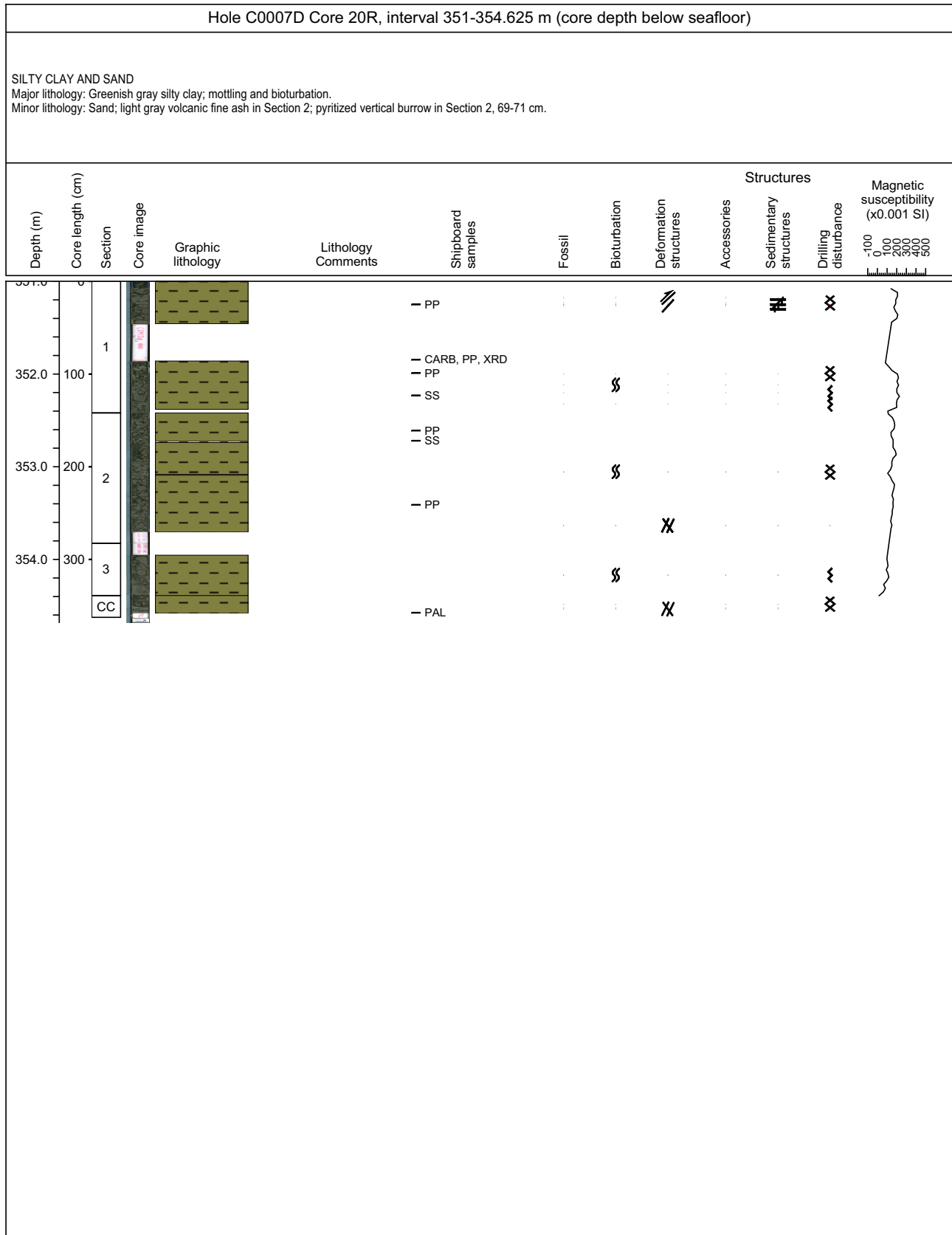
### Core Photo



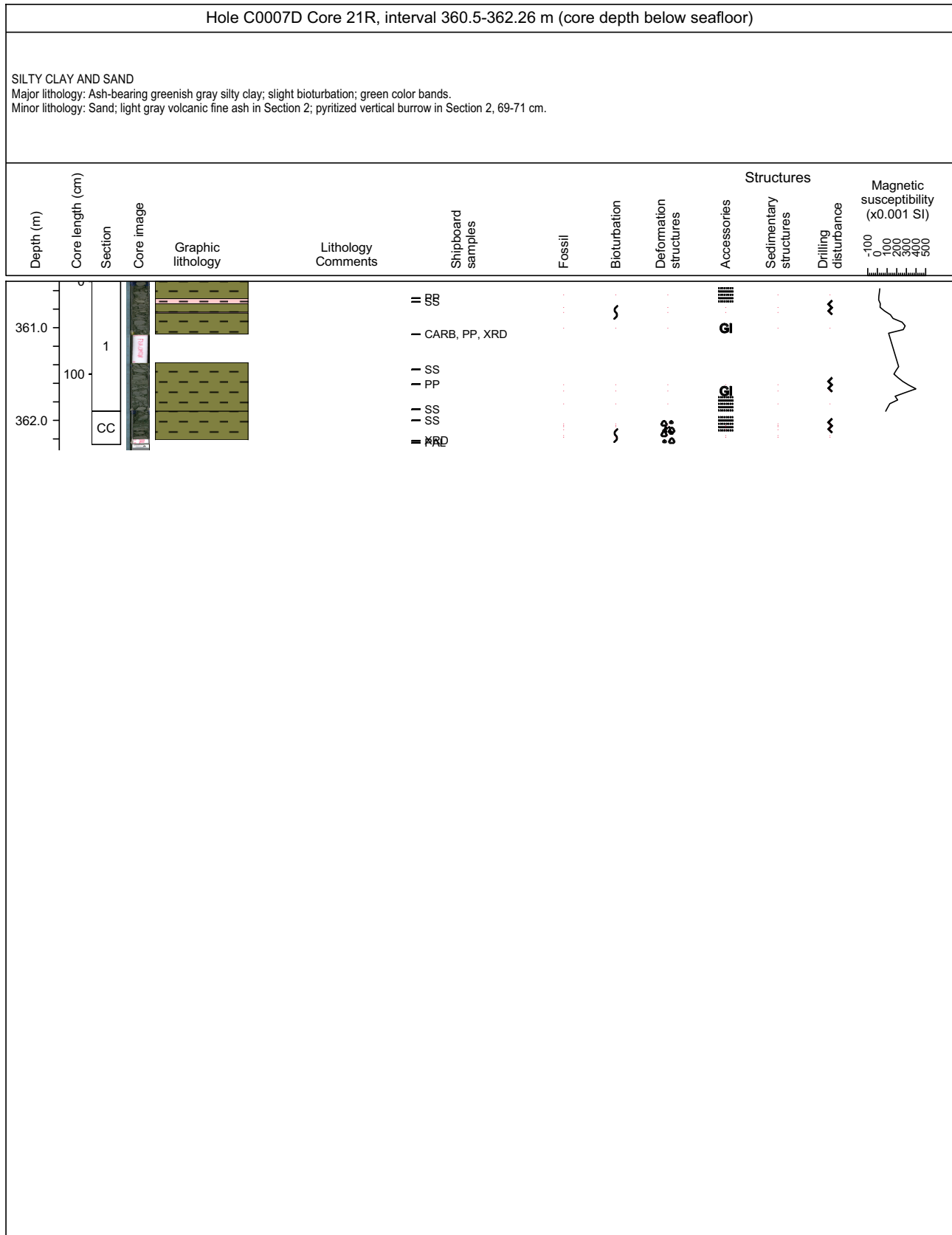
### Core Photo



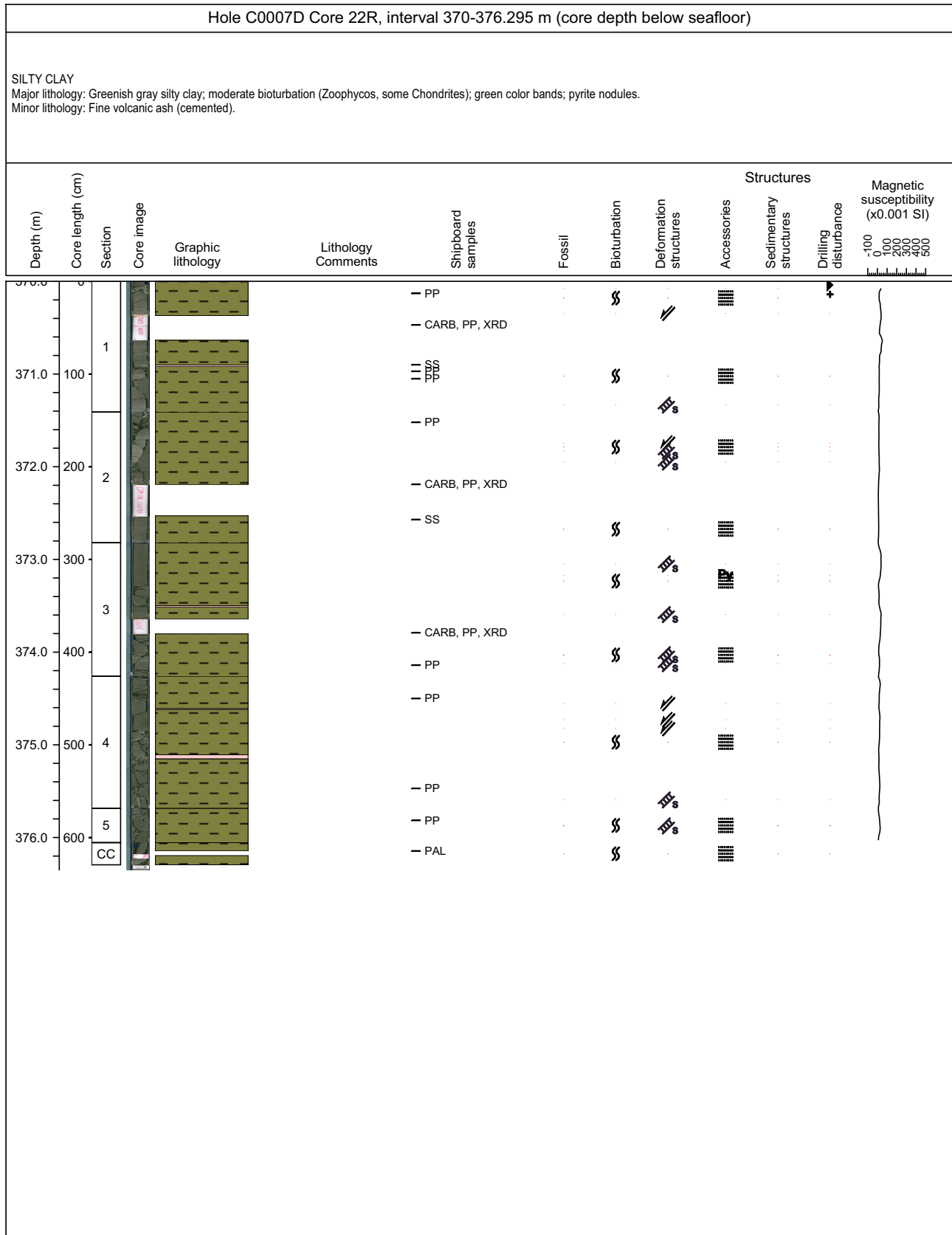
### Core Photo



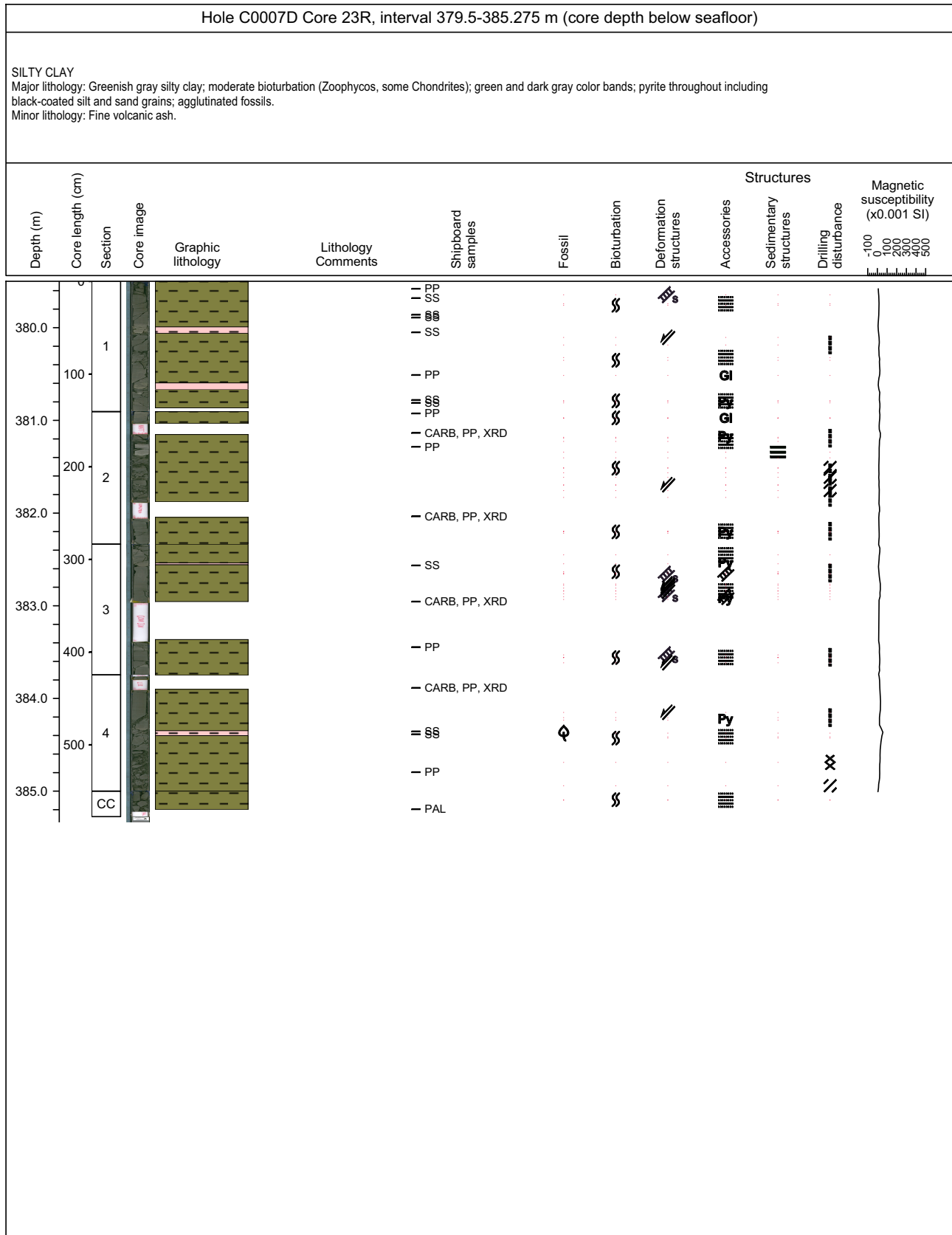
### Core Photo



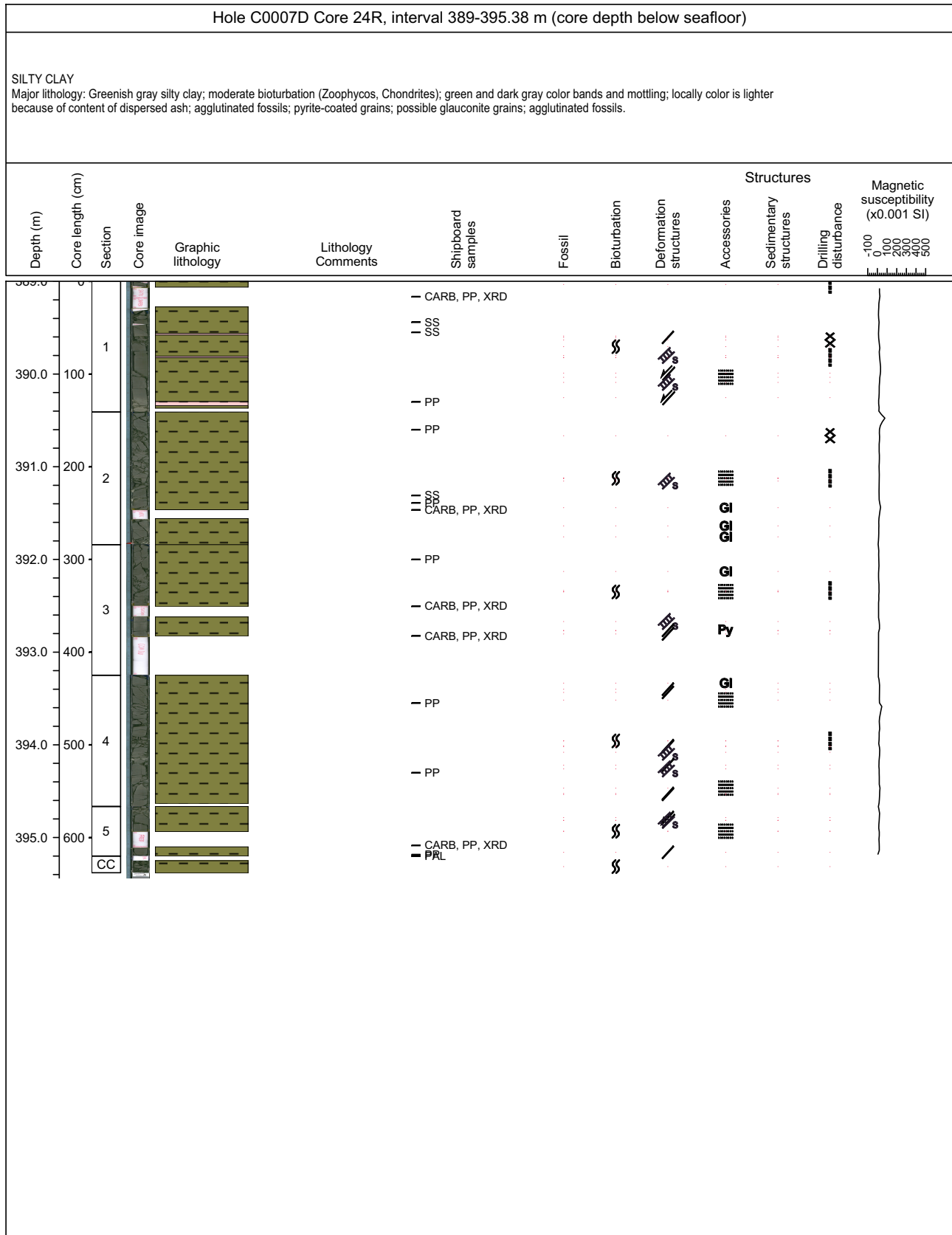
### Core Photo



### Core Photo

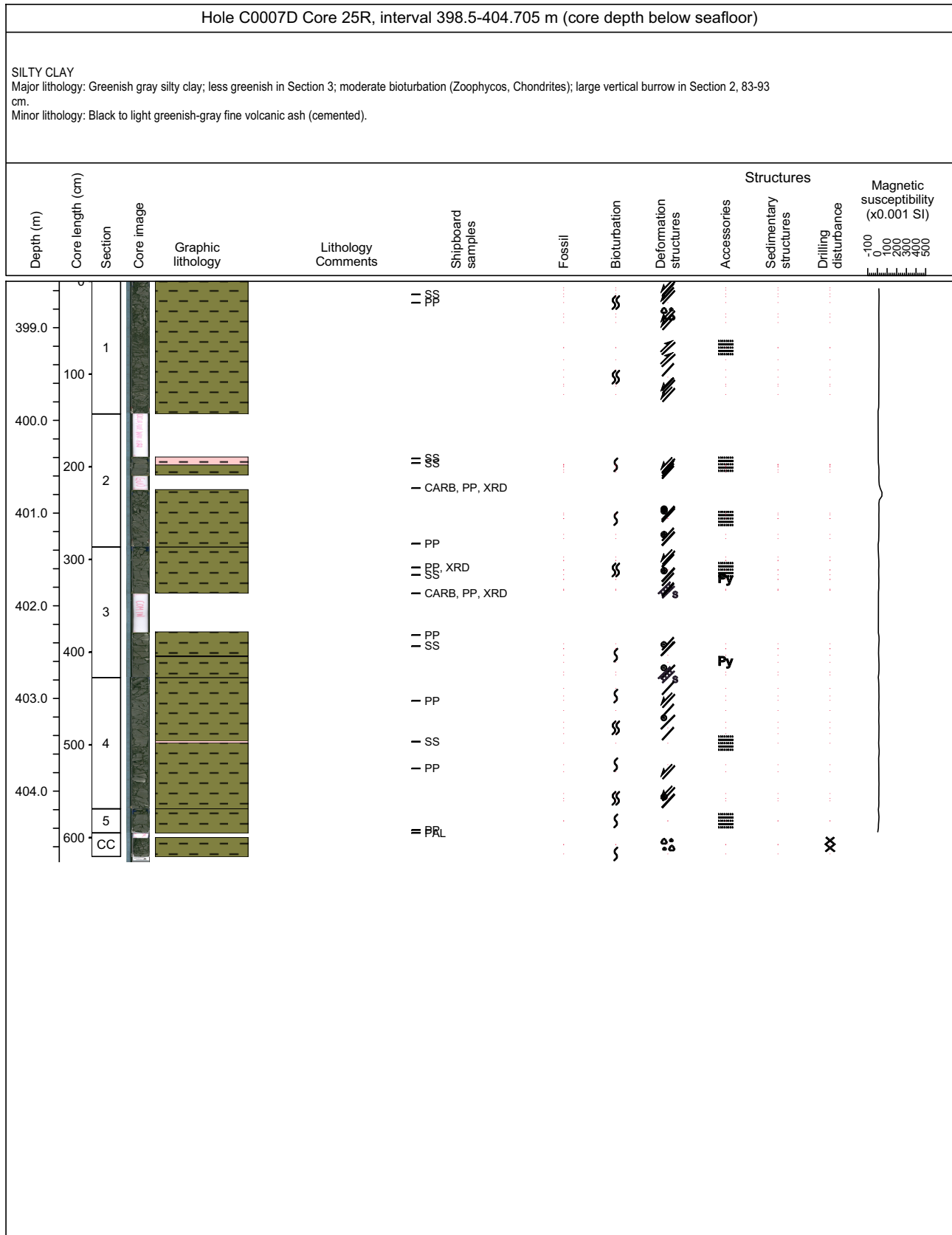


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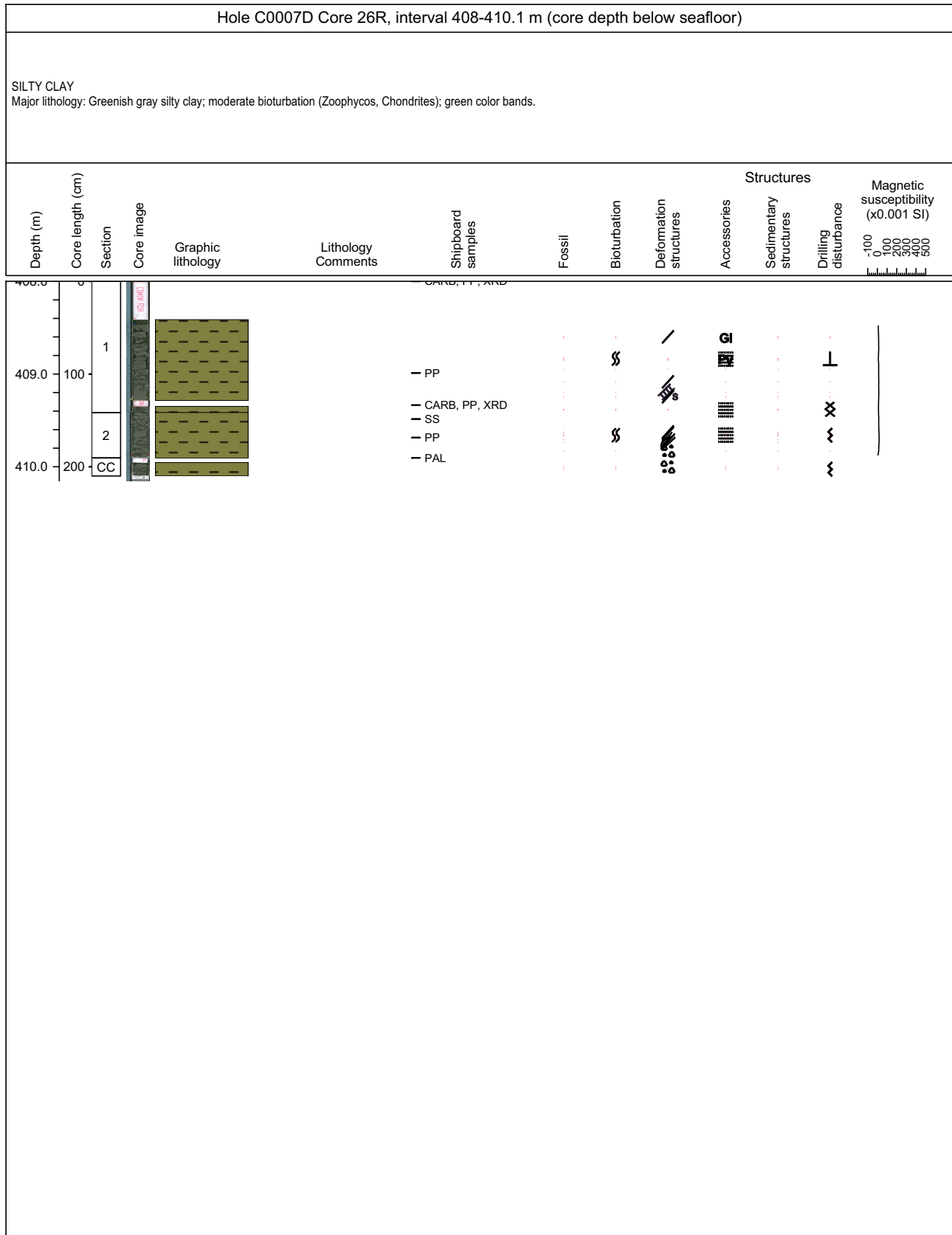




### Core Photo



### Core Photo

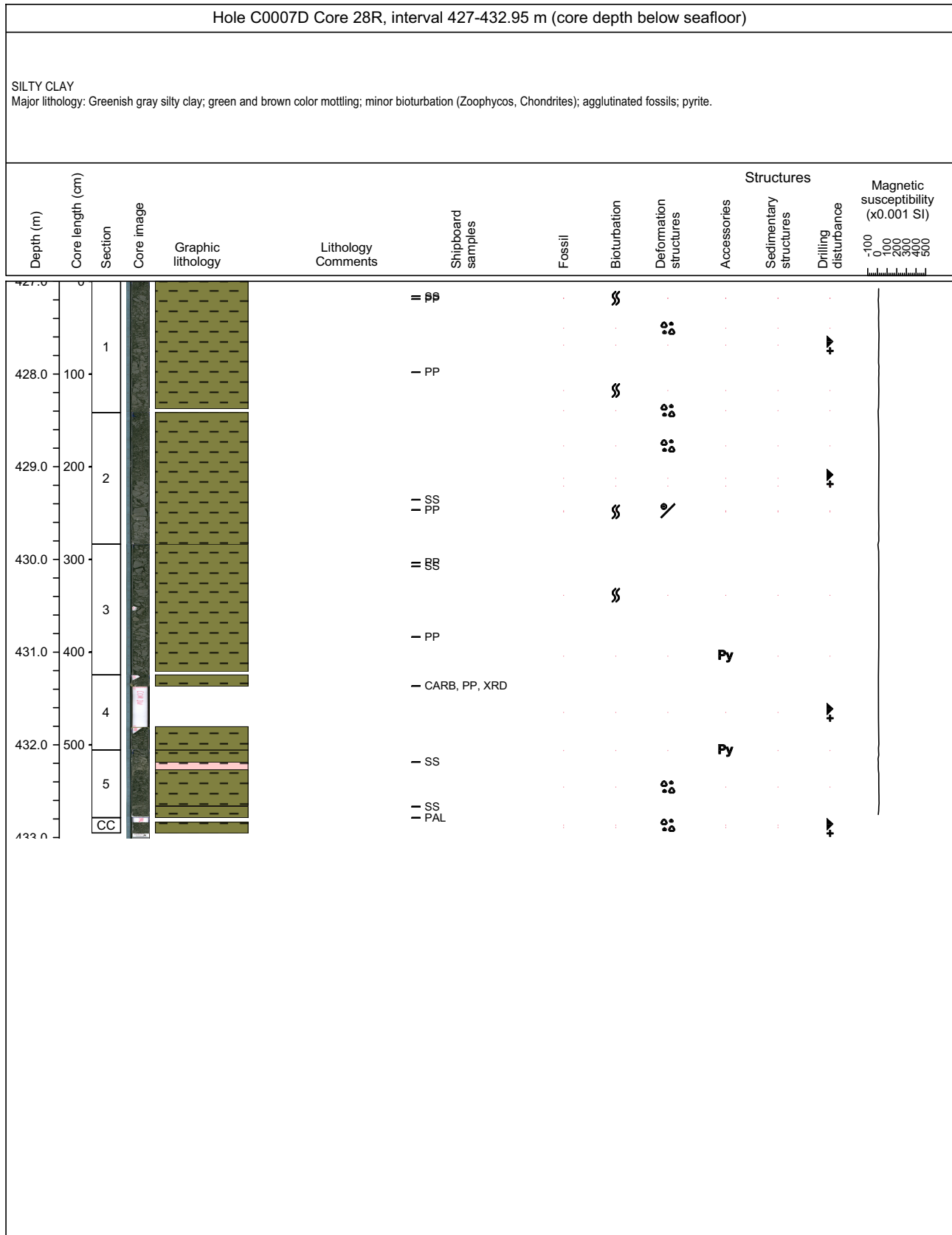


### Core Photo

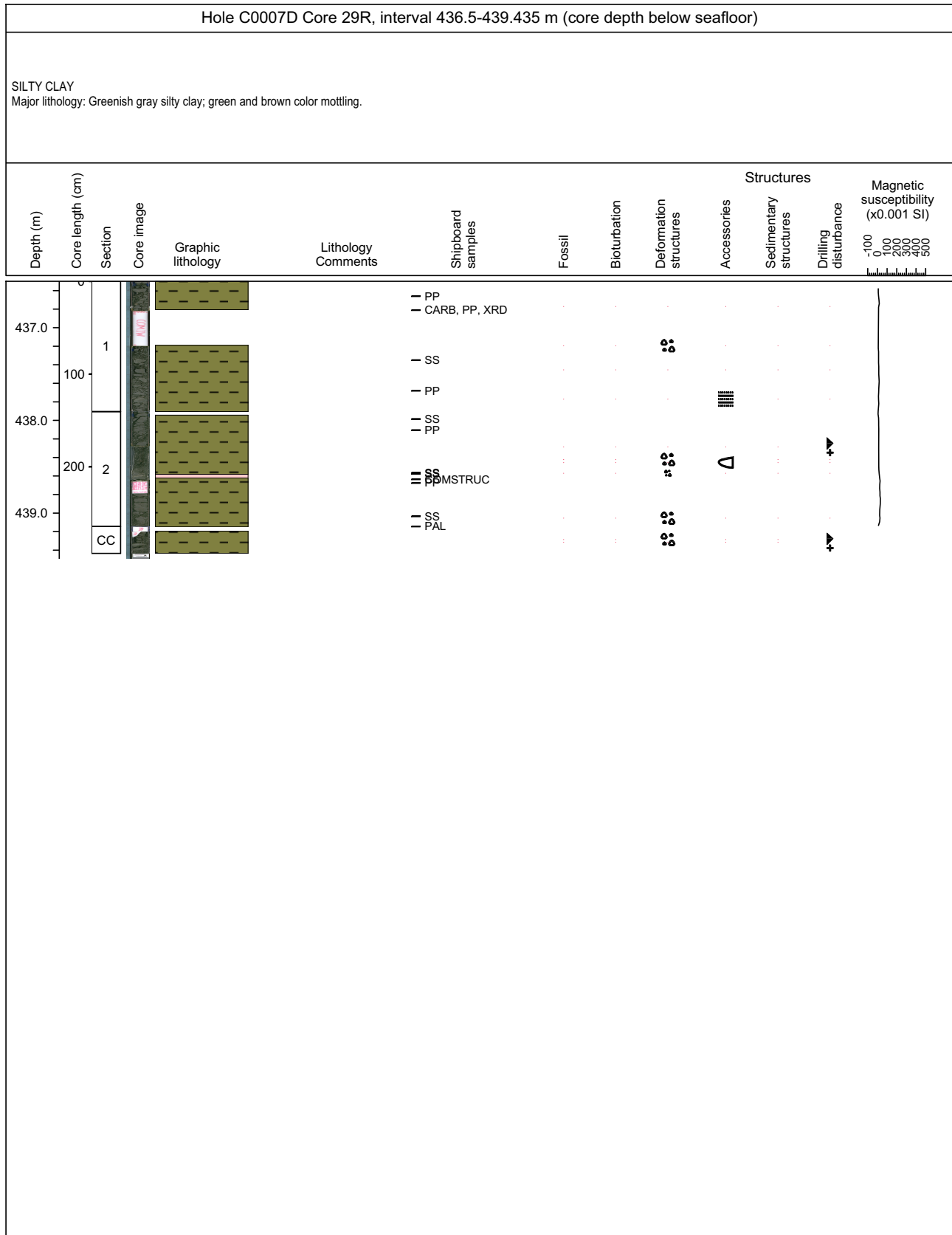
Hole C0007D Core 27R, interval 417.5-418.945 m (core depth below seafloor)													
SILTY CLAY Major lithology: Greenish gray silty clay.													
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Structures			Magnetic susceptibility (x0.001 SI)
										Accessories	Sedimentary structures	Drilling disturbance	
418.0	100	1				PP CARB, PP, XRD		§					
100						SS PP		§				△	
418.0		CC				SS CC			⊙			⊗	





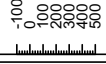
### Core Photo



### Core Photo



## Core Photo

Hole C0007D Core 30R, interval 446-446.125 m (core depth below seafloor)												
SILTY CLAY Major lithology: Greenish gray silty clay.												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)
446.0	0	CC										






## Core Photo

Hole C007D Core 31R, interval 455.5-455.9 m (core depth below seafloor)												
<p>SILTY CLAY                      Major lithology: Greenish gray silty clay; major admixture of volcaniclastic debris in Section 1, 5-15 cm.                      Minor lithology: Volcanic fine ash (cemented) in Section 1, 15-20 cm; sand in CC</p>												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures Sedimentary structures	Magnetic susceptibility (x0.001 SI)
												100 0 100 200 300 400 500
		1 CC				 TGS 2000	.	~	.	.		

Hole C007D Core 32R and 33R No recovery



## Core Photo

Hole C0007D Core 34R, interval 474.5-474.59 m (core depth below seafloor)												
SILTY CLAY AND SAND Major lithology: Gray silty clay. Minor lithology: Medium sand; lithic-rich.												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures Sedimentary structures	Magnetic susceptibility (x0.001 SI)
												





### Core Photo

Hole C0007D Core 35R, interval 484-484.435 m (core depth below seafloor)													
<p>SAND AND SILTY CLAY                      Major lithology: Dark gray to black sand; graded, medium at base to fine at top.                      Minor lithology: Greenish gray gravel of mud clasts in Section 1, lower 2.5 cm.</p>													
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures Sedimentary structures	Drilling disturbance	Magnetic susceptibility (x0.001 SI)
484.0	100	1 CC			- SS = SAL								





Expedition 316 Site C0007 Smear Slides

Sample Identification			Texture (%)			Siliciclastic Grains								Lithic Grains/Ash					Pelagic Grains							Comment				
Hole-Core-Sec	Int. (cm)	Depth (mbsf)	Sand	Silt	Clay	Quartz	Feldspar	Mica	Fe-Mg Mins.	Glauconite	Clay Mins.	Zeolite	Heavy Mins.	Calcite	Sed. Lithic	Ign. Lithic	Meta. Lithic	Vol. Lithic	Crystal ash	Vitric ash	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates		Sponge spicules	Opaque grains	Other	
C0007A-1H-1	5	0.05	clayey silt	10	50	40	C	C	R		A		R	R			C	C			P	Tr	P	Tr	Tr	Tr	R		red-brown organic matter	
C0007A-1H-1	20	0.2	clayey silt	0	55	45	C	C			A						C	C					P	Tr	Tr	Tr	P		red-brown organic matter	
C0007A-1H-1	54	0.54	pumice clast																										ca 4 mm	
C0007A-1H-1	110	1.1	sand	100	0	0	A	C		R			P		P		A	C		R										
C0007A-1H-3	10	1.765	silty clay	0	35	65	C	C			D			P			P			P	C		P							
C0007A-1H-3	85	2.515	sand-silt-clay	50	20	30	C	P			C							C		A	C	P								
C0007B-1H(P)-2	19	4.735	sand-silt-clay	30	40	30	P				C		R				C		A	C	R	P	Tr	Tr	Tr	Tr			red-brown organic matter, dispersed ash	
C0007B-1H(P)-2	75	5.295	clayey silt	0	55	45	C	C		R	A		R				C			C	P		R	Tr	Tr	Tr	P		red-brown organic matter	
C0007B-1H(P)-4	2	5.985	basaltic ash	20	60	20	C	A			C		R				A		C	P		R	Tr	Tr	Tr	Tr				
C0007B-1H(P)-5	90	8.27	sand	45	40	15	C	A	P	P	R	C	R				A	C			P	Tr				Tr	P		red-brown organic matter	
C0007B-1H(P)-5	113	8.5	fine sand	75	25	0	C	A	R	P			R				A	C				R					P			
C0007B-1H(P)-5	114	8.51	fine sand	65	30	5	A	A	P	P	P		R				A	C			P	Tr					R			
C0007B-1H(P)-6	51	9.28	clayey silt	0	55	45	A	C	R	P	A						C	C			P									
C0007C-1H-4	35	15.825	silty clay	0	20	80	C	P			A			P						P	P						Tr		red-brown organic matter	
C0007C-1H-6	115	18.27	sand (f-m)	70	20	10	C	C	R	P	P			P			A		P	P										
C0007C-1H-7	17	18.485	sand (f-m)	85	10	5	C	C	R	P	P		R	P	C		C	A		P	P									
C0007C-1H-8	35	20.07	silty clay	0	25	75	C	P	R		D						P	P		P	P		R		R	R				
C0007C-1H-9	30	20.435	volcanic ash	5	70	25	P	P			C						A	A	C		A	C					R			
C0007C-3H-3	13	31.855	sand (f-m)	70	30	0	C	C	P	C					P		C	A		P	Tr	R				Tr				
C0007C-3H-3	30	32.025	silty clay	0	30	70	C	C			R	D		P						P	C		R		R	R				
C0007C-3H-5	54	33.68	pumice clast																											
C0007C-3H-6	30	34.64	sand (f-m)	65	30	5	C	C		R	P			P	C		C	A		C	P	R				R				
C0007C-5X-CC	9	43.28	volcanic ash	70	20	10	C	C			C						P	C		A	P									
C0007C-5X-CC	23	43.42	silty very fine sand	60	40	0	A	C		R			P				A	P		P			T			P	T		red-brown organic matter	
C0007C-6X-1	28	52.87	silty clay	0	45	55	C	C			D						C			C	P		R			P	T		red-brown organic matter	
C0007C-6X-1	33	52.92	silty sand	55	35	10	A	A					P				C	R		P	P						R	R	red-brown organic matter	
C0007C-6X-2	17	54.165	silty clay	5	25	70	C	C			R	D					P	P		P	P									
C0007C-6X-4	34	55.735	dispersed ash	25	35	30	C	C			R	A	R				P	P		C	P						P			
C0007C-6X-4	42	55.815	sand-silt-clay	50	10	40	C	P			A			P			P			A	P									
C0007C-7X-1	33	62.42	silty clay	0	25	75	C	C			D						P				R						R	R		red-brown organic matter
C0007C-7X-1	43	62.52	silty clay	15	30	65	C	C			T	D					C							T		T	R	R		red-brown organic matter
C0007C-7X-2	76	64.255	sand-silt-clay	30	40	30	A	C			T	A	R	R			C										P		pyrite, rare red-brown organic matter	
C0007C-8X-1	50	72.09	fine sand	80	20	0	A	C			R			P			A	P		P							R			
C0007C-8X-1	53	72.12	silty clay	0	25	75	C	C			D		R	P							P						R	T		red-brown organic matter
C0007C-8X-5	79	76.63	silty clay	0	30	70	C	C			D						C				P		T			T				
C0007C-9X-1	22	81.31	sand (vf-f)	50	30	20	A	C	P	P	C				C		C	P		P	P					R	P			
C0007C-9X-1	28	81.37	silty clay	1	24	75	C	C			D			P						P	C				Tr	P	P			
C0007C-9X-3	30	84.2	silty clay	5	30	65	C	C	P	P	D									P	C		P			R	P	P		
C0007C-9X-3	40	84.3	very fine sand	50	30	20	A	A	P	P	C		R		P		P	P		R	P	R				P	P	P		red-brown organic matter
C0007C-9X-4	40	85.705	fine sand	55	30	15	A	A	P	P	C		R				C	P		R	P	P				P	P			red-brown organic matter
C0007C-10X-1	70	91.29	very fine sand	50	30	20	A	A	P	P	C						C	C		P	P	R				P	P	R		red-brown organic matter
C0007C-10X-4	130	91.89	clayey silt	10	45	45	C	C	R	P	T	A	R			R	P	P		P	C	T				R	P	R		red-brown organic matter
C0007C-10X-4	68	94.09	organic-rich sand	70	20	10	C	C	P	P	C		R		R		C	C			P	P				R	C	C		red-brown organic matter
C0007C-11X-1	120	101.29	sand (f-m)	80	15	5	C	C	P	P	P		R		C		C	C		C	P						P			
C0007C-11X-2	60	102.11	silty clay	5	35	60	C	C	P	P	A				P		P			P	C	Tr				R				





Expedition 316 Site C0007 Smear Slides

Sample Identification			Texture (%)			Siliciclastic Grains							Lithic Grains/Ash					Pelagic Grains							Comment								
Hole-Core-Sec	Int. (cm)	Depth (mbsf)	Sand	Silt	Clay	Quartz	Feldspar	Mica	Fe-Mg Mins.	Glaucanite	Clay Mins.	Zeolite	Heavy Mins.	Calcite	Sed. Lithic	Ign. Lithic	Meta. Lithic	Vol. Lithic	Crystal ash	Vitric ash	Nannofossils	Foraminifers	Diatoms	Radiolarians		Silicoflagellates	Sponge spicules	Opague grains	Other				
C0007D-17R-2	46	324.33	volcanic ash	40	60	0	P	P																									
C0007D-18R-1	12	332.12	silty claystone	0	25	75	C	C				D			R							P											red-brown organic matter
C0007D-18R-2	120	334.605	silty claystone	0	45	55	A	C				D					P	P			C							R				red-brown organic matter	
C0007D-18R-3	125	336.07	silty claystone	0	30	70	A	P				D						P			C												
C0007D-18R-4	35	336.595	volcanic ash	25	75	0	C	P									C	C			D												
C0007D-19R-1	29	341.79	volcaniclastic silty sand	30	45	25	C	C		R		C							A		A	C	R				T						
C0007D-19R-1	85	342.35	volcanic ash	0	60	40	P	P		R		C		T				P			D	A					T	T					
C0007D-19R-2	18	343.09	silty claystone	0	20	80	C	C	T	R		D									P	P								T		red-brown organic matter	
C0007D-19R-2	99	343.9	silty claystone	0	25	75	C	C				D		R							P	P							R		red-brown organic matter		
C0007D-20R-1	123	352.23	silty claystone	0	30	70	C	C		R		D		R			P				P							R					
C0007D-20R-2	30	352.72	volcanic ash	5	70	25	P	P	R	R									C		D	P						R					
C0007D-21R-1	22	360.72	volcanic ash	0	70	30	P	P				C						R		D	C												
C0007D-21R-1	95	361.45	silty claystone	0	45	55	C	C		P		D							C		A											ash-bearing	
C0007D-21R-1	138	361.88	silty claystone	5	30	65	C	P		R		D		Tr				P		C						Tr						ash-bearing	
C0007D-21R-2	10	362	silty claystone	0	30	70	P	P	R	R		D						P		C							Tr					ash-bearing	
C0007D-22R-1	90	370.9	volcanic ash	10	60	30	P	P		P		A						P		D	R						R						
C0007D-22R-2	116	372.57	ash-bearing silty claystone	0	20	80	C	P		R		D						R		C	R												
C0007D-23R-1	18	379.68	silty claystone	0	25	75	C	P				D					R		R		C						R					green layer	
C0007D-23R-1	36	379.86	silty claystone	0	25	75	C	P				D		R				R		C													
C0007D-23R-1	39	379.89	volcanic ash	0	80	20	P	P	T	R		C						P		D	P												
C0007D-23R-1	55	380.05	volcanic ash	0	75	25	P					C		P				P		D	P	T											
C0007D-23R-1	128	380.78	volcanic ash	0	90	10	P	P	T			P						P		D	P	T					T						
C0007D-23R-1	131	380.81	volcanic ash	60	30	10	P	C				P							D		C	P					T						
C0007D-23R-3	23	382.565	volcanic ash	5	70	25	C	P				C							C		A	C		T	T								
C0007D-23R-4	61	384.355	volcanic ash	10	70	20	P	P				C							C		D	P											
C0007D-23R-4	64	384.385	silty claystone	5	30	65	C	C				D		R			P	R		C							R					red-brown organic matter	
C0007D-24R-1	44	389.44	silty claystone	0	35	65	C	P				D									C												
C0007D-24R-1	55	389.55	volcanic ash	10	45	45	C	P				A						P		A	P												
C0007D-24R-2	90	391.31	silty claystone	0	25	75	C	P				D									C				T			P				pyrite	
C0007D-25R-1	14	398.64	claystone	0	15	85	P	P				D		P						P	P						R						
C0007D-25R-2	48	400.41	black volcanic ash	0	70	30	P					A							C		D	P											
C0007D-25R-2	53	400.46	volcanic ash	0	60	40	P					A							C		A	T				T							
C0007D-25R-3	30	401.665	claystone	0	15	85	P					D						P		C	T						P						
C0007D-25R-3	107	402.435	ash burrow fill	0	90	10						C									D												
C0007D-25R-4	69	403.465	clayey ashstone	0	60	40	P	P				A							P		A												
C0007D-26R-2	7	409.485	claystone	0	15	85	P	P		R		D		T							C					R	R	T				red-brown organic matter	
C0007D-27R-1	54	418.04	silty claystone	0	25	75	C	C				D									C												
C0007D-27R-1	108	418.58	silty claystone	0	35	65	C	C				D					P				P	T					R	T				red-brown organic matter	
C0007D-27R-CC	14	418.835	claystone	0	10	90	P	P		T		D														T	T						
C0007D-27R-CC	20	418.895	claystone	0	15	85	C	P	T	T		D		T							R					T	T						
C0007D-28R-1	16	427.16	silty claystone	0	30	70	C	C				D		R				P		P	P							T				red-brown organic matter	
C0007D-28R-2	94	429.355	silty claystone	0	30	70	C	C				D						P			P	T											
C0007D-28R-3	24	430.075	claystone	0	20	80	C	C			R	D		R										T	T		T						
C0007D-28R-5	13	432.185	volcanic ash	15	75	10	C	P				P		P					P		D	P	T										
C0007D-28R-5	61	432.665	dispersed ash	1	50	49	P					A							P		A	P											
C0007D-29R-1	85	437.35	clayey silt dispersed ash	5	50	45	C	P				A		R					P		A	R											
C0007D-29R-2	8	437.985	sandy silt	30	70	0	C	C					P							C		D										burrow fill	
C0007D-29R-2	66		silty clay	0	35	65	C	C				D		R							C	R		T	T							thin dark layer just above ash	
C0007D-29R-2	67	438.575	volcanic ash	5	60	35	P	P				A								C		A	P										



Expedition 316 Site C0007 Smear Slides

Sample Identification			Lithology	Texture (%)			Siliciclastic Grains										Lithic Grains/Ash					Pelagic Grains								Comment
Hole-Core-Sec	Int. (cm)	Depth (mbsf)		Sand	Silt	Clay	Quartz	Feldspar	Mica	Fe-Mg Mins.	Glaucanite	Clay Mins.	Zeolite	Heavy Mins.	Calcite	Sed. Lithic	Ign. Lithic	Meta. Lithic	Vol. Lithic	Crystal ash	Vitric ash	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge spicules	Opague grains	Other	
C0007D-29R-2	113	439.035	claystone	0	20	80	C	P	T	T		D									P							R		
C0007D-31R-1	7	455.57	claystone	0	15	85	C	P				D			R							P						P		
C0007D-31R-1	17	455.67	volcanic ashstone		100										A						D							P	carbonate cemented	
C0007D-34R-CC	8	474.58	sand-silt-clay	20	30	50	A	C		R	A						P			P	T									
C0007D-35R-1	10	484.1	fine sand	100	0	0	A	A									A	C										C		
C0007D-35R-CC	5	484.3	sand (f-m)	75	20	5	C	C	P	C			T				C	A		R		R					C	T	red-brown organic matter	