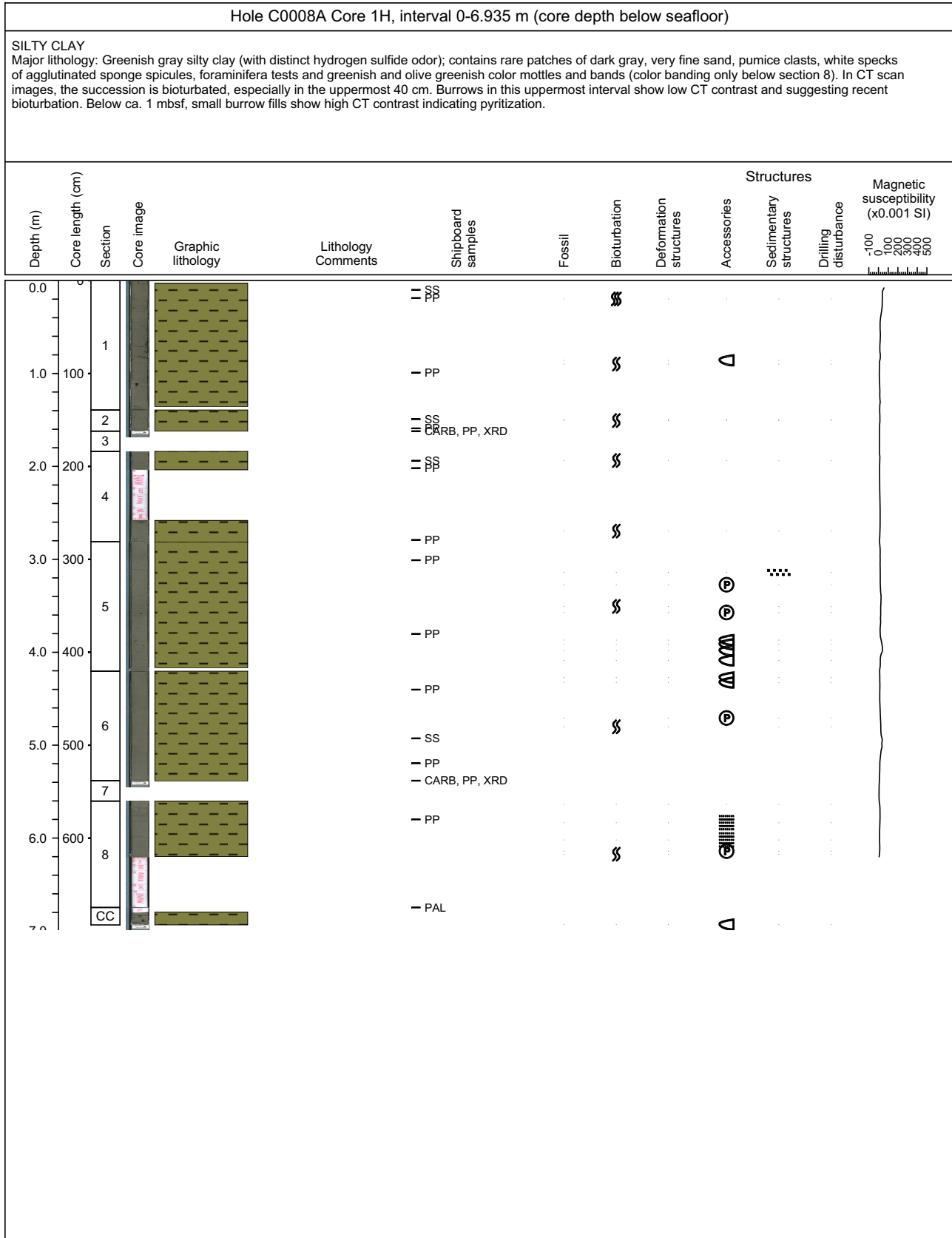
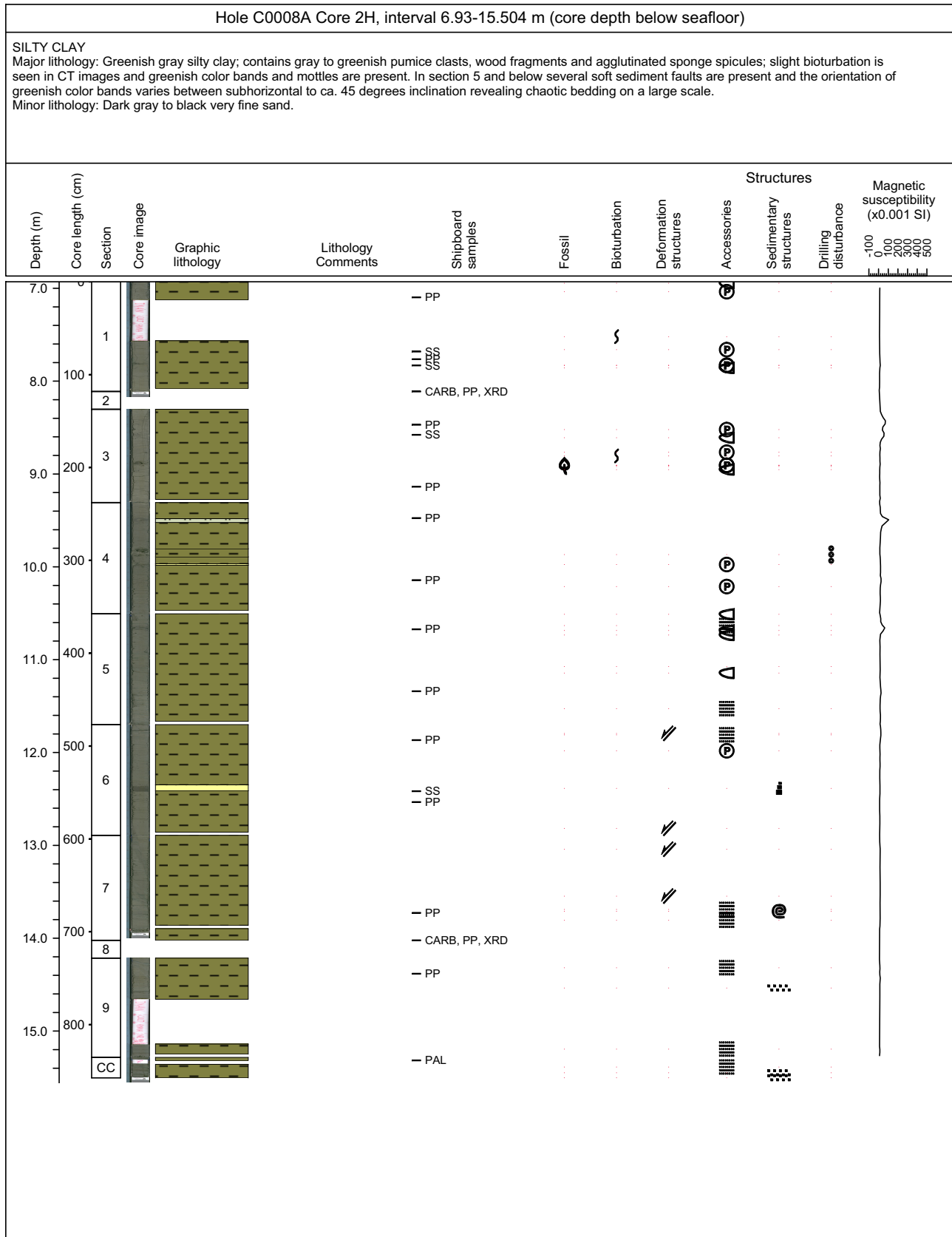


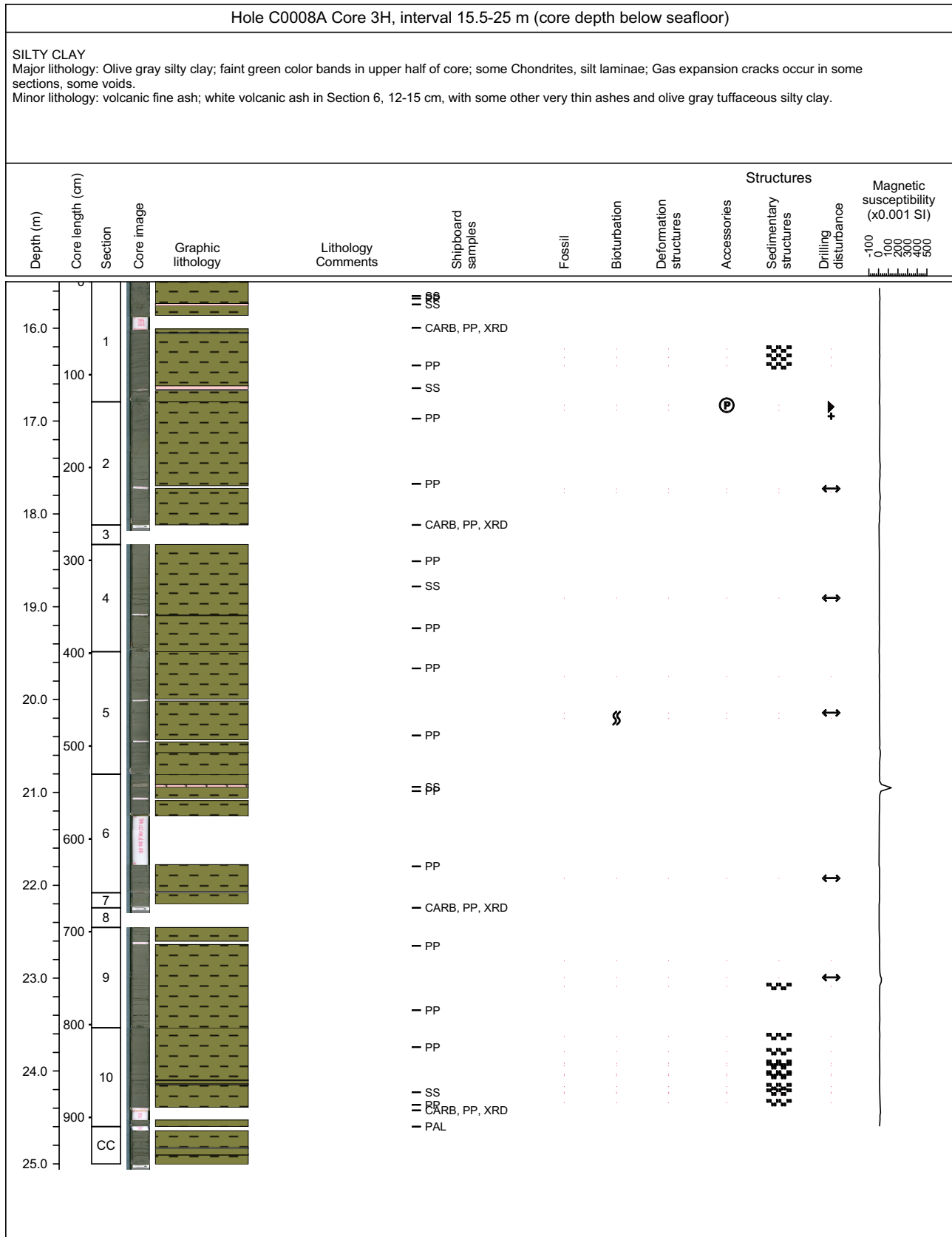
### Core Photo



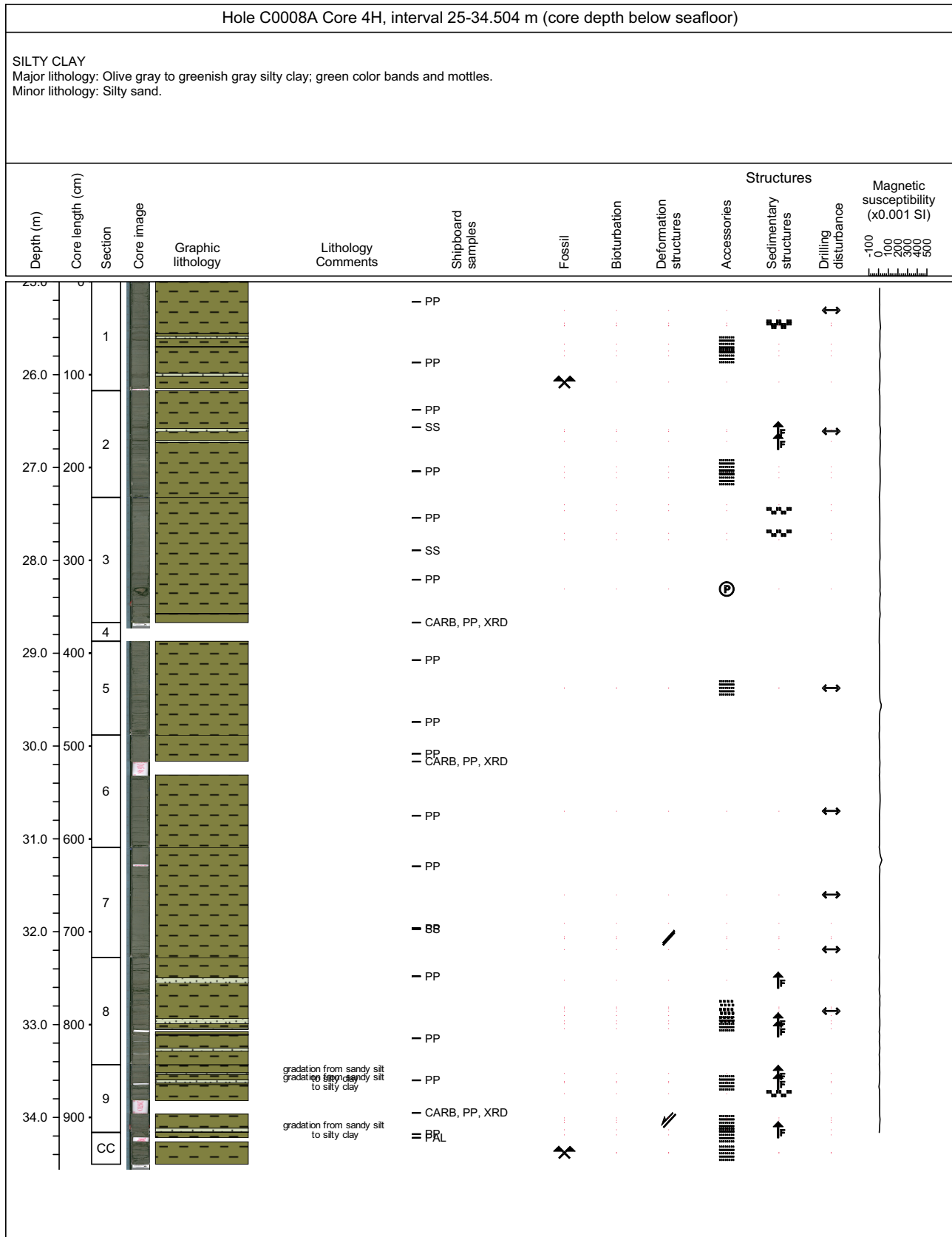
### Core Photo



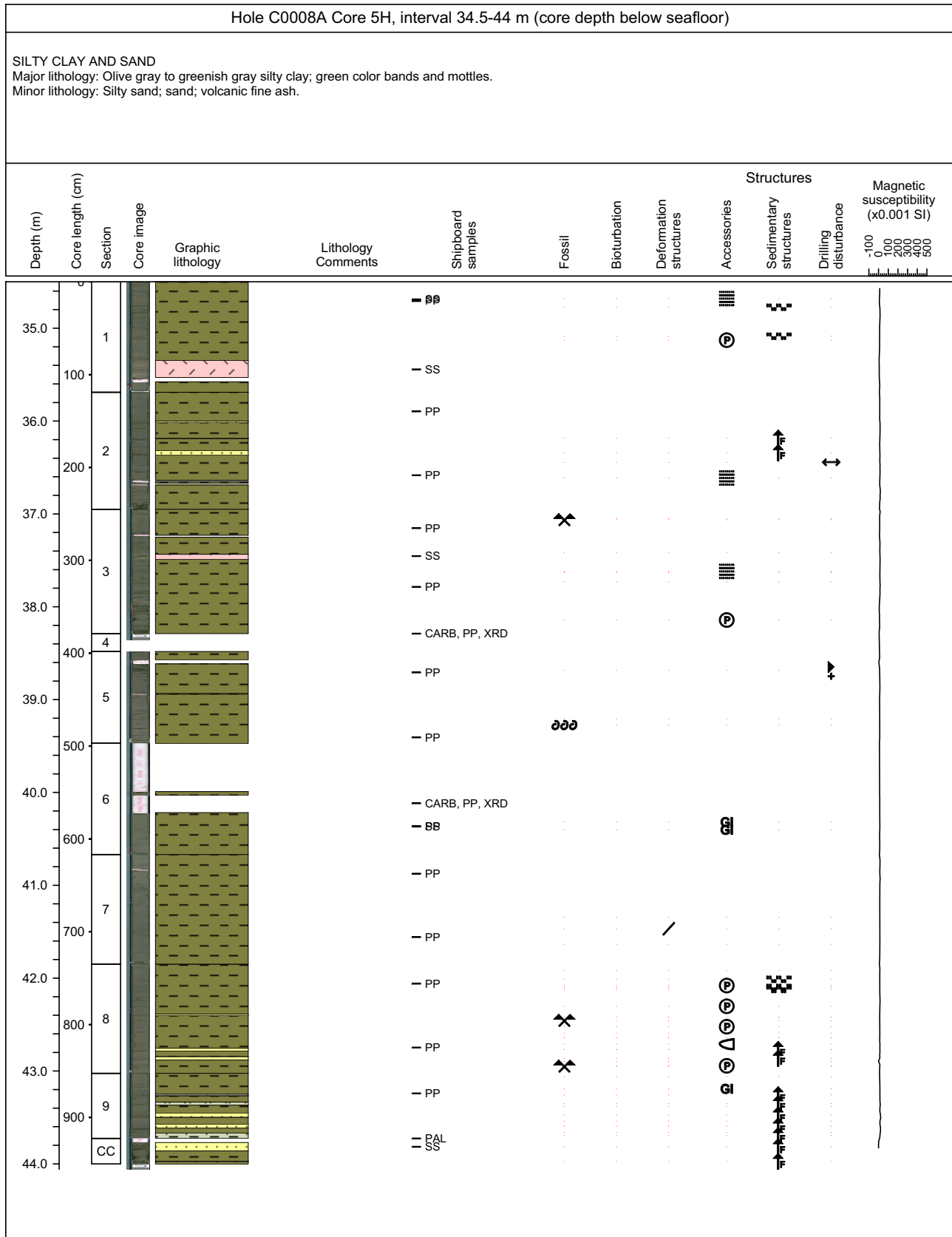
### Core Photo



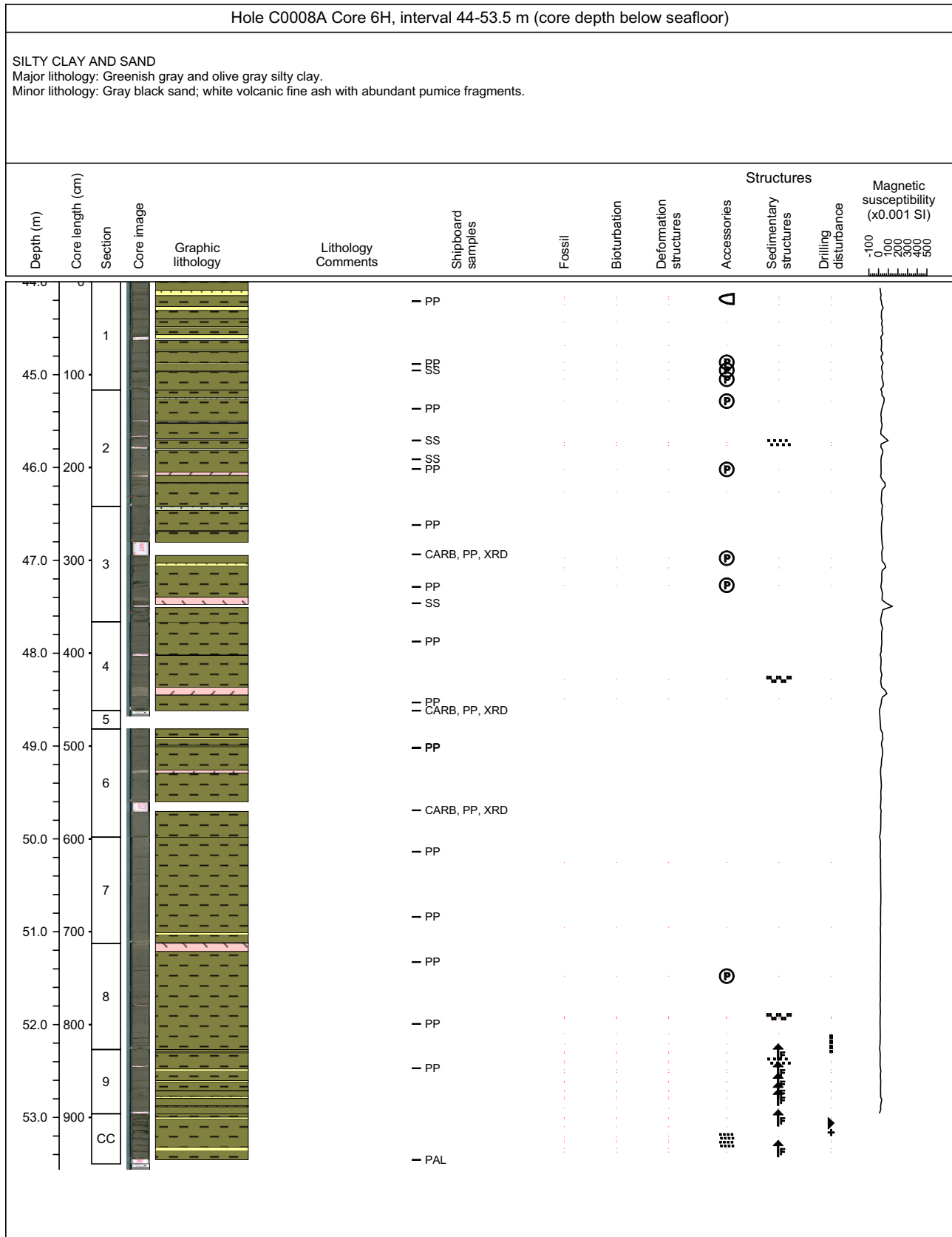
### Core Photo



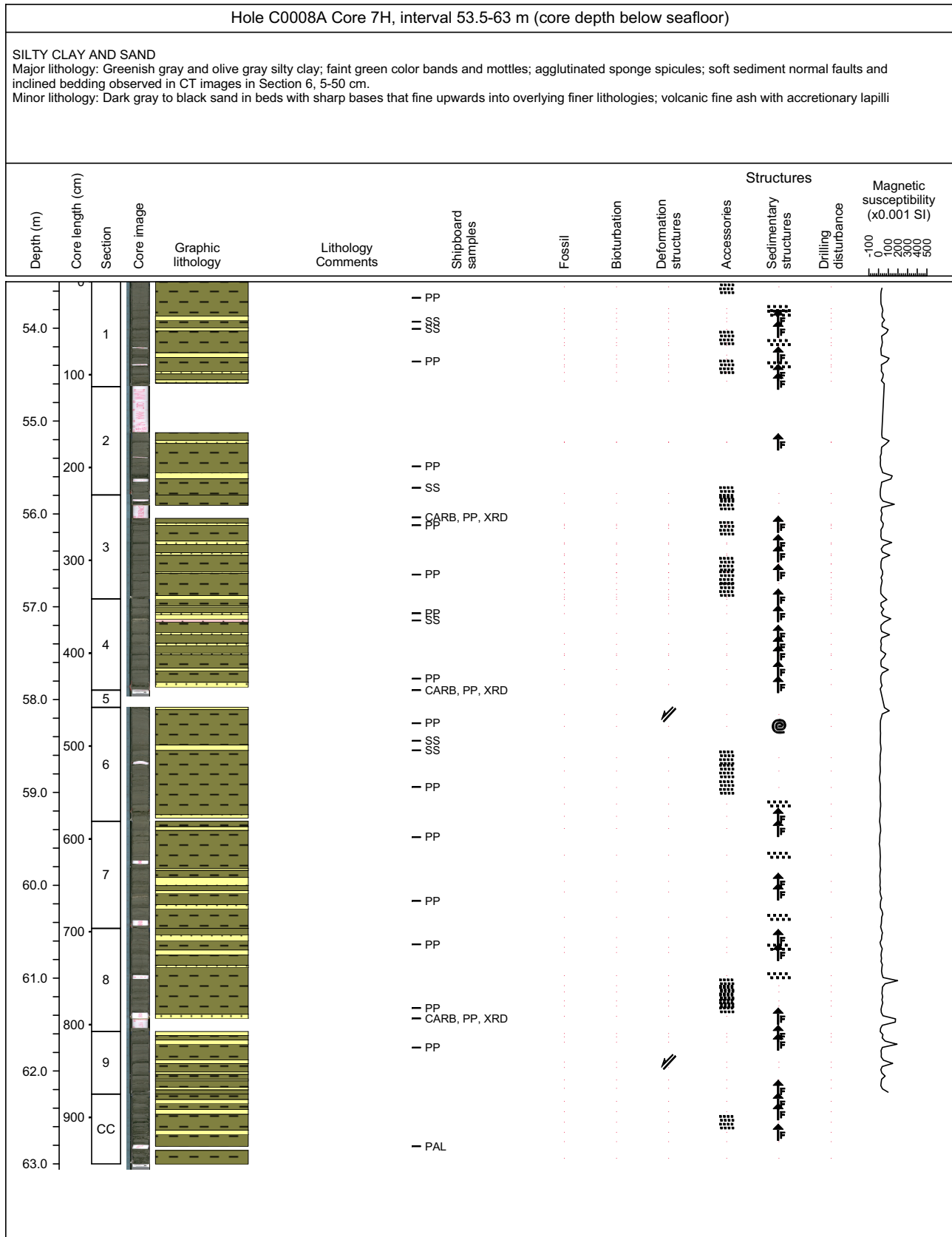
### Core Photo



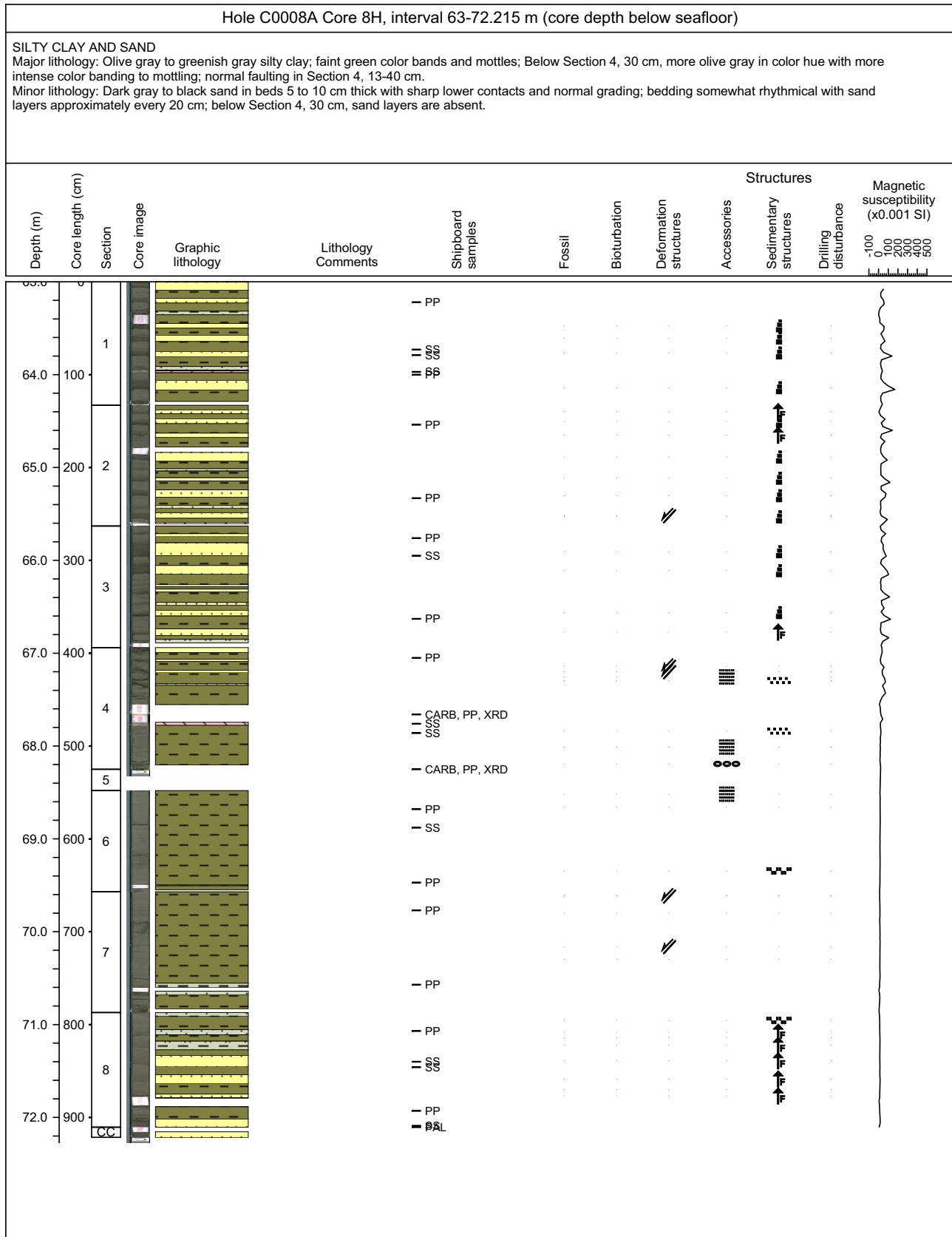
### Core Photo



### Core Photo



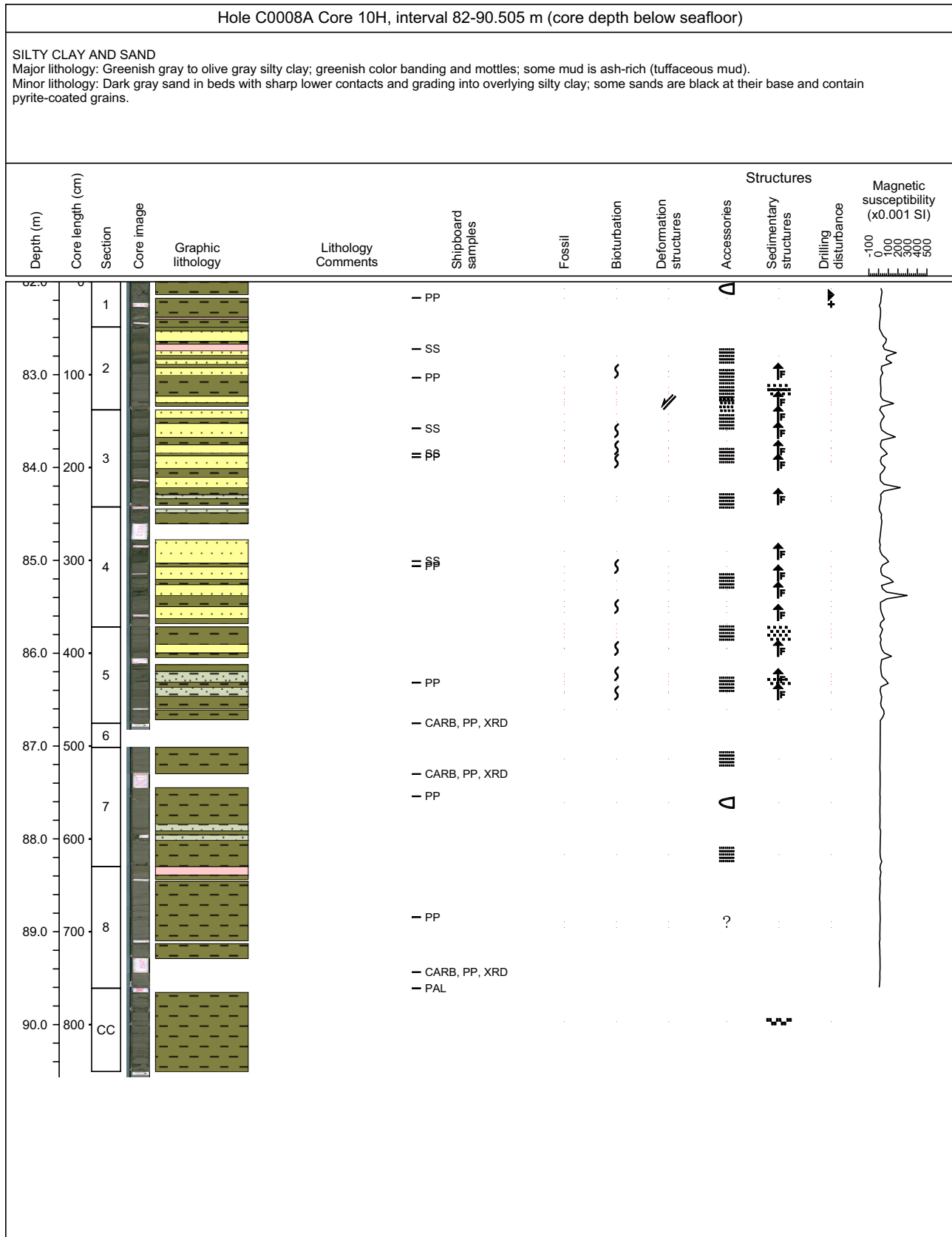
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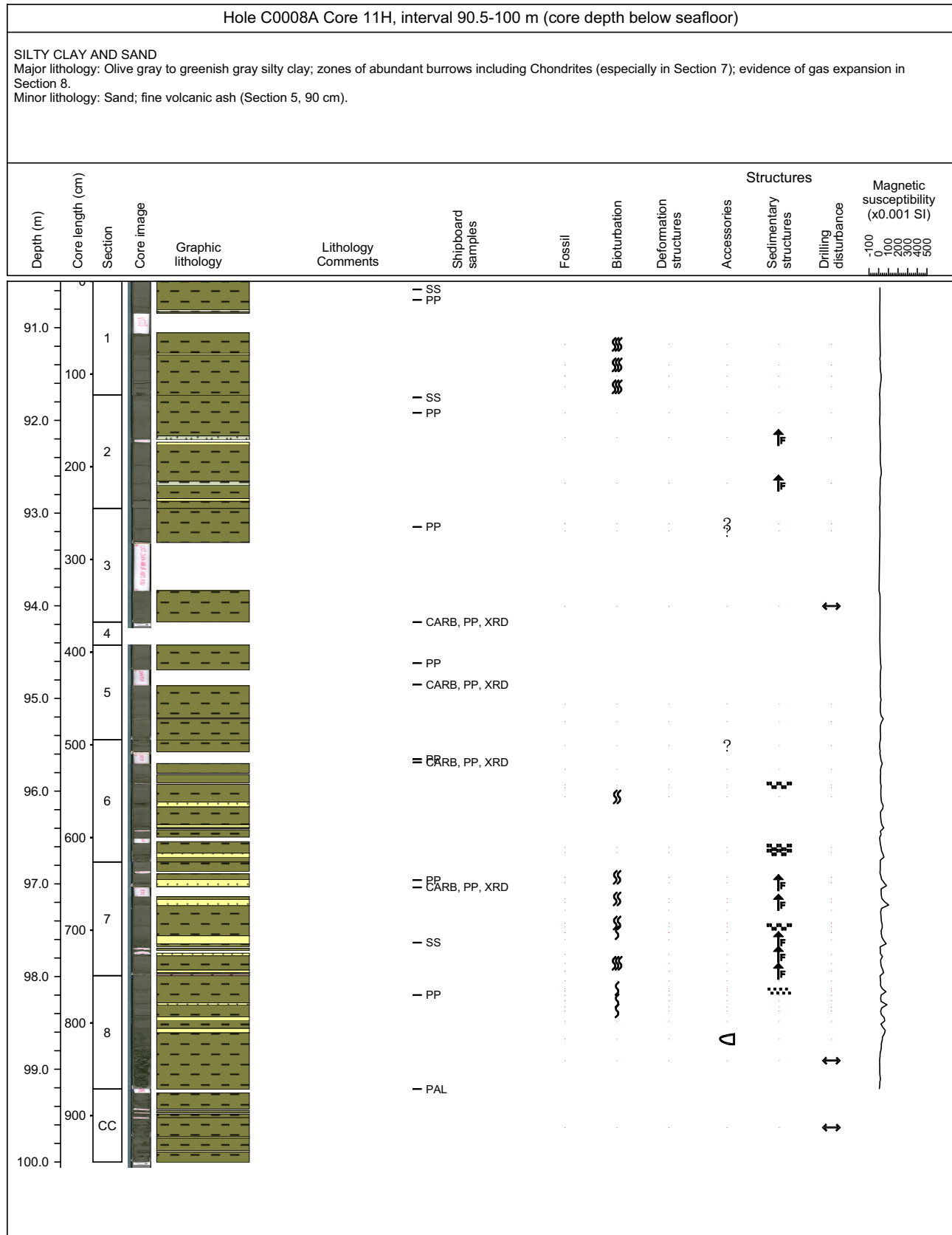




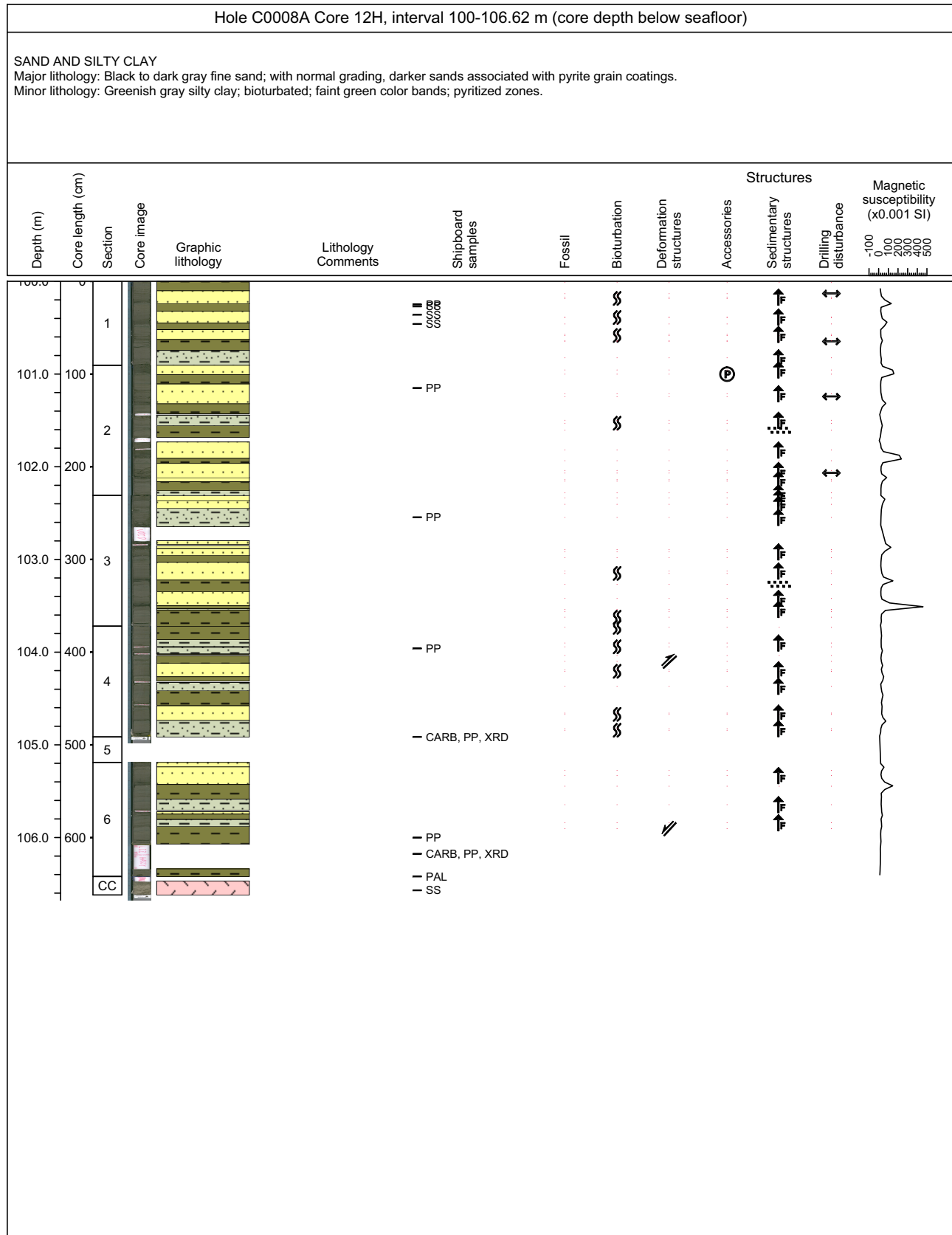
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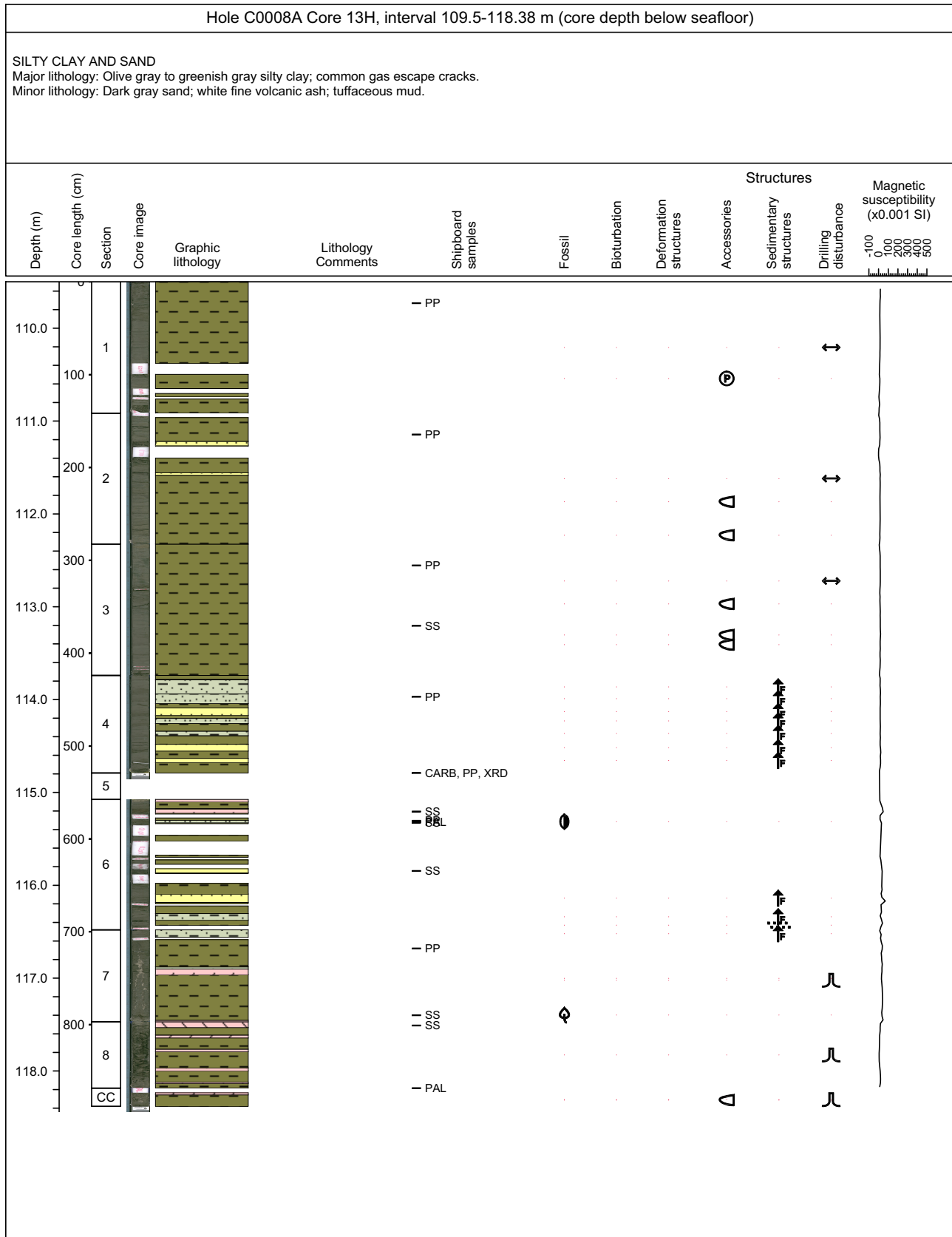
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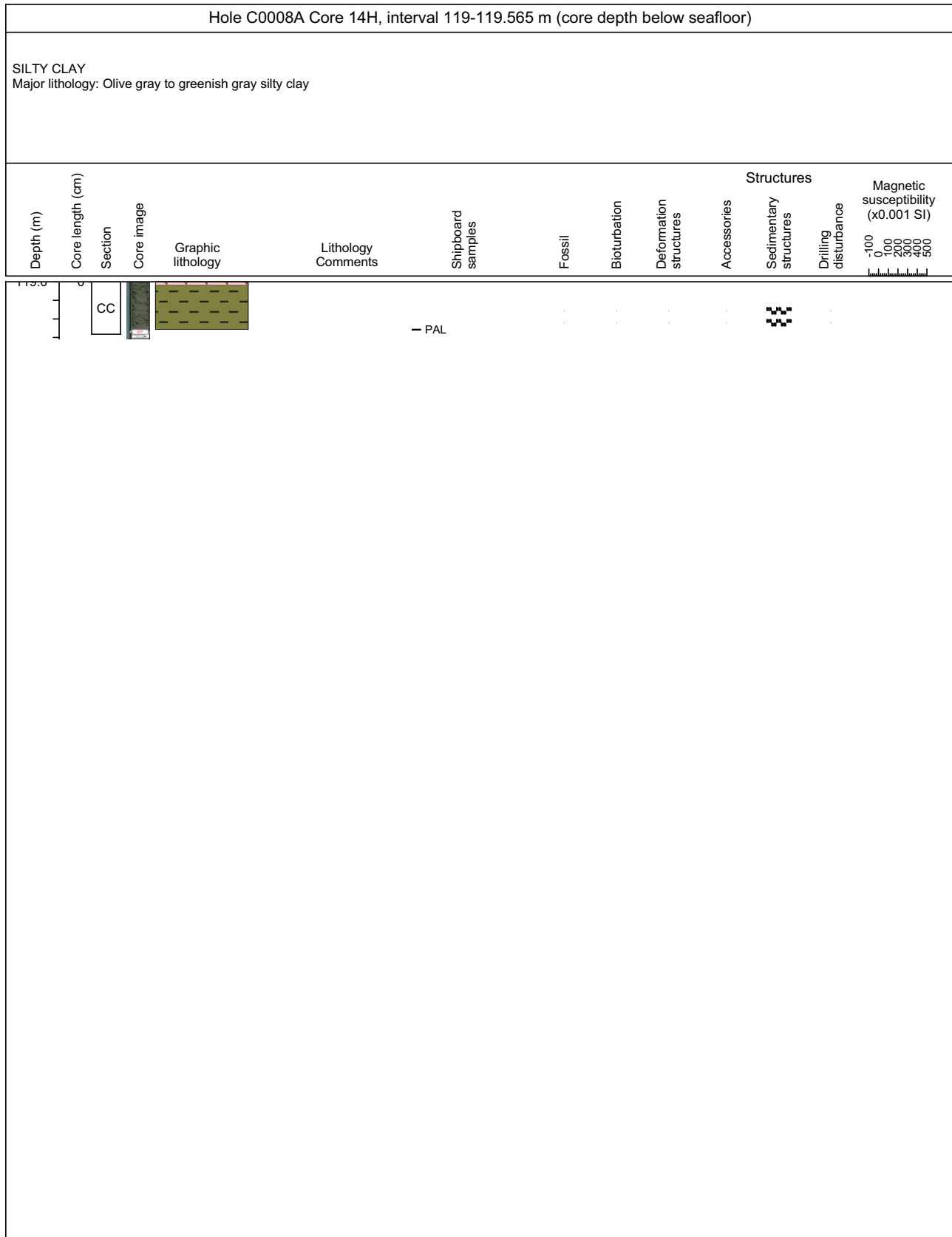
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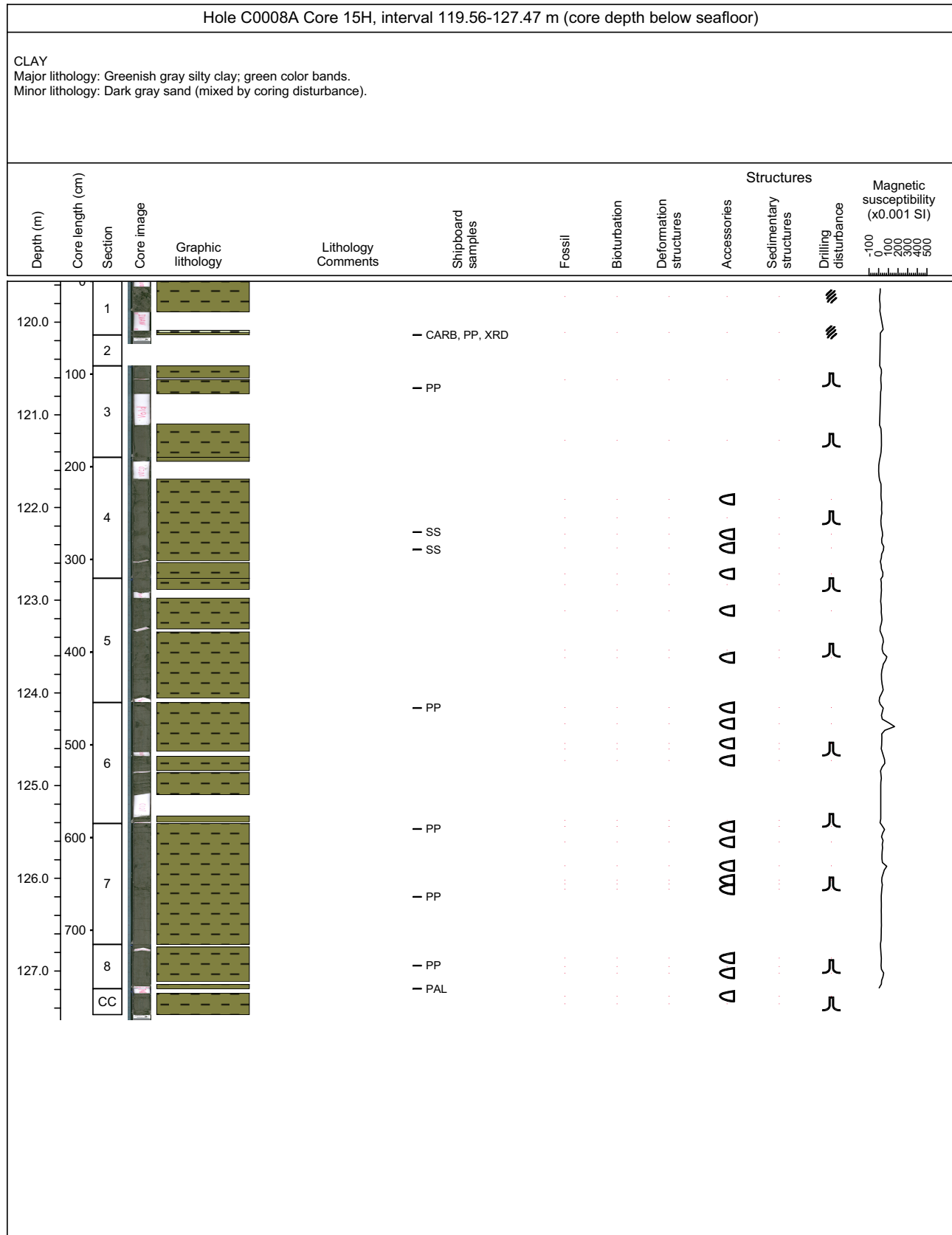
### Core Photo



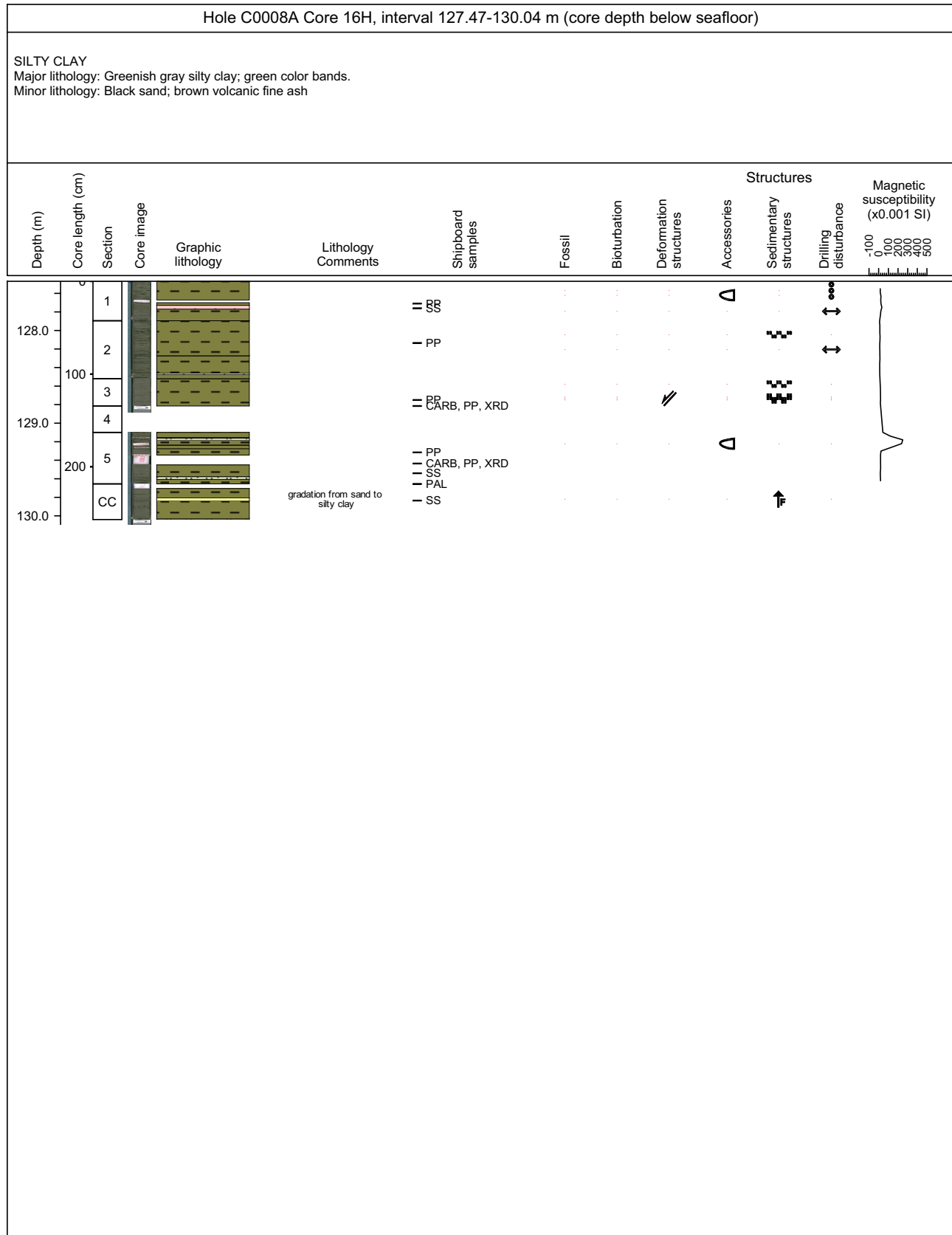
## Core Photo



### Core Photo

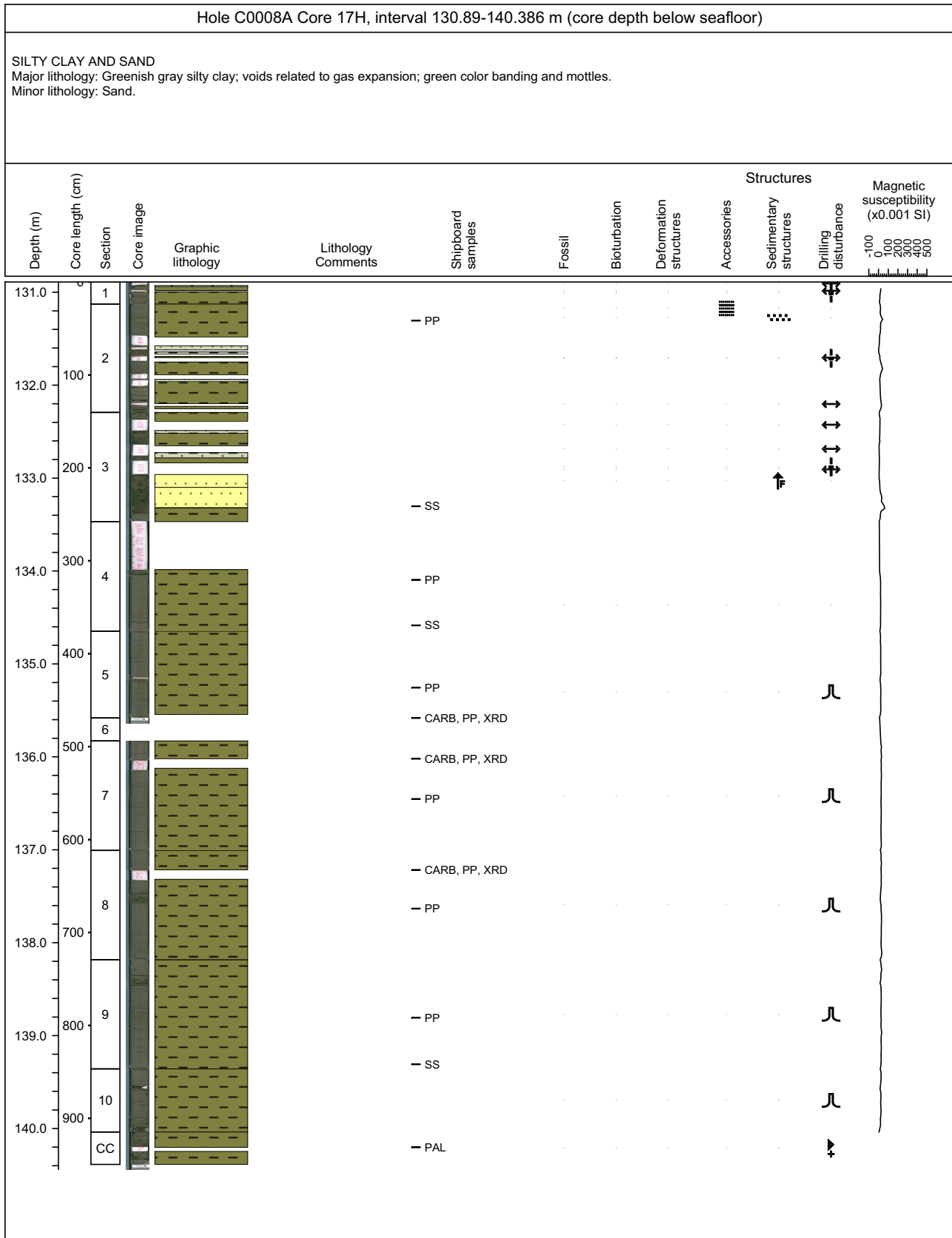


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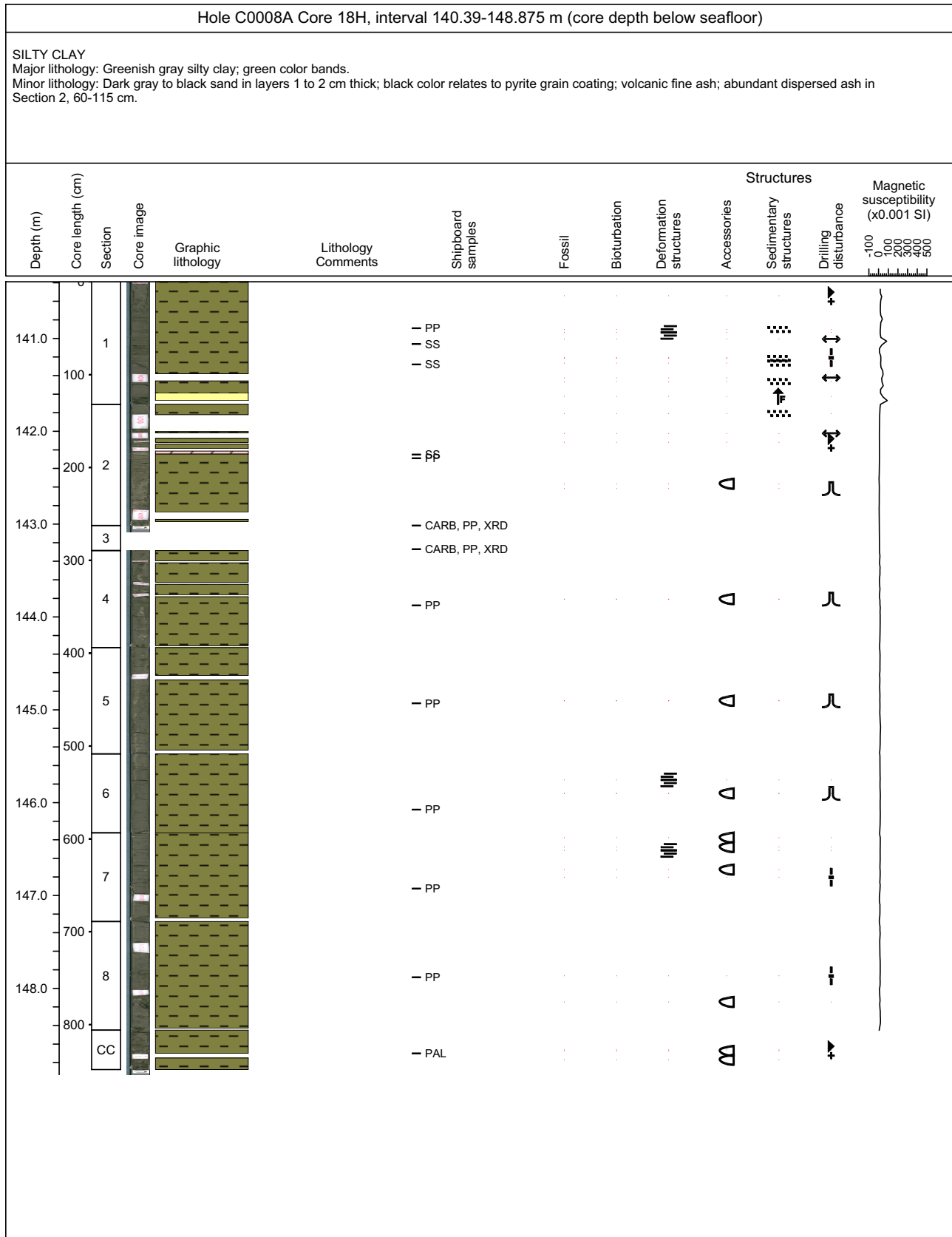




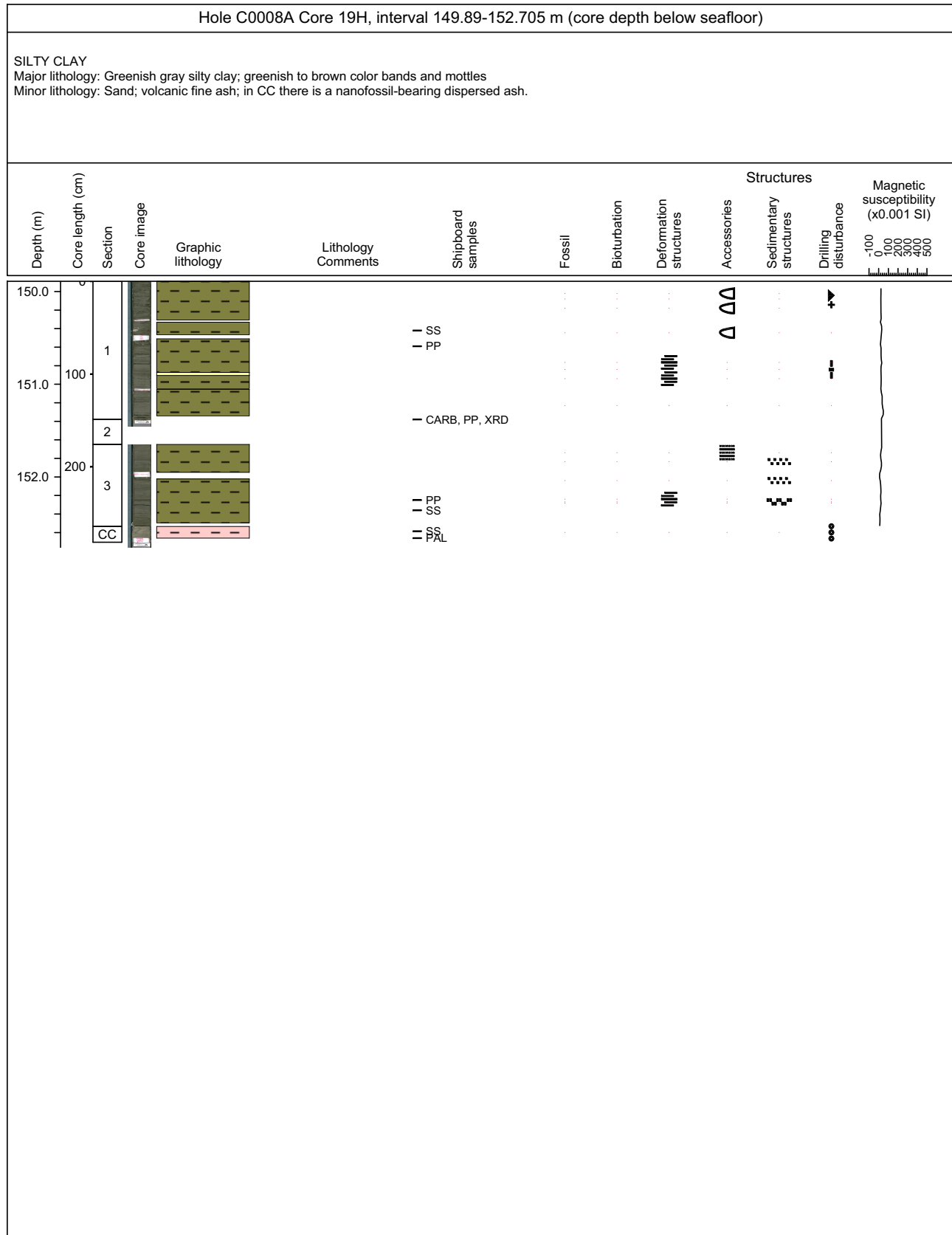
### Core Photo



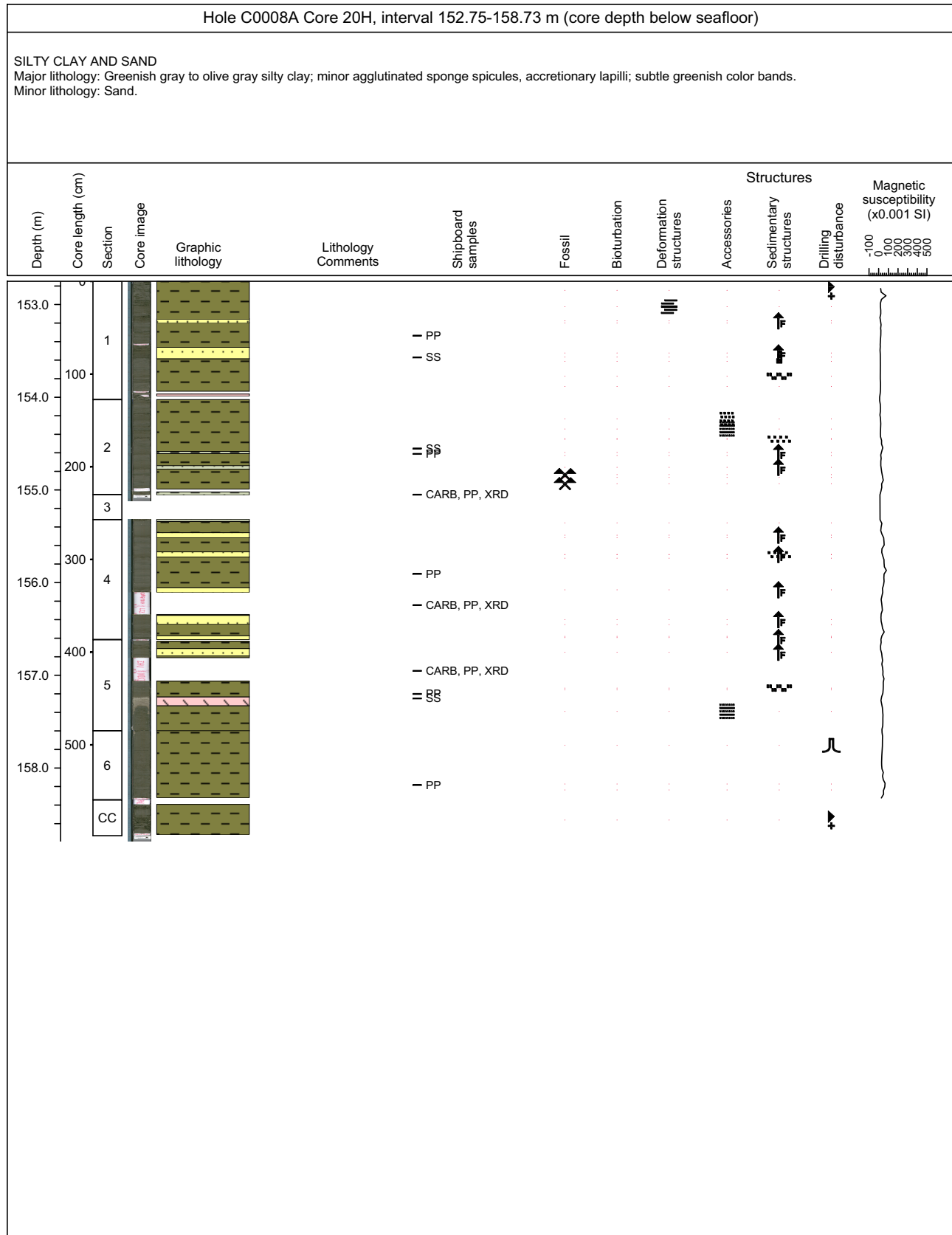
### Core Photo



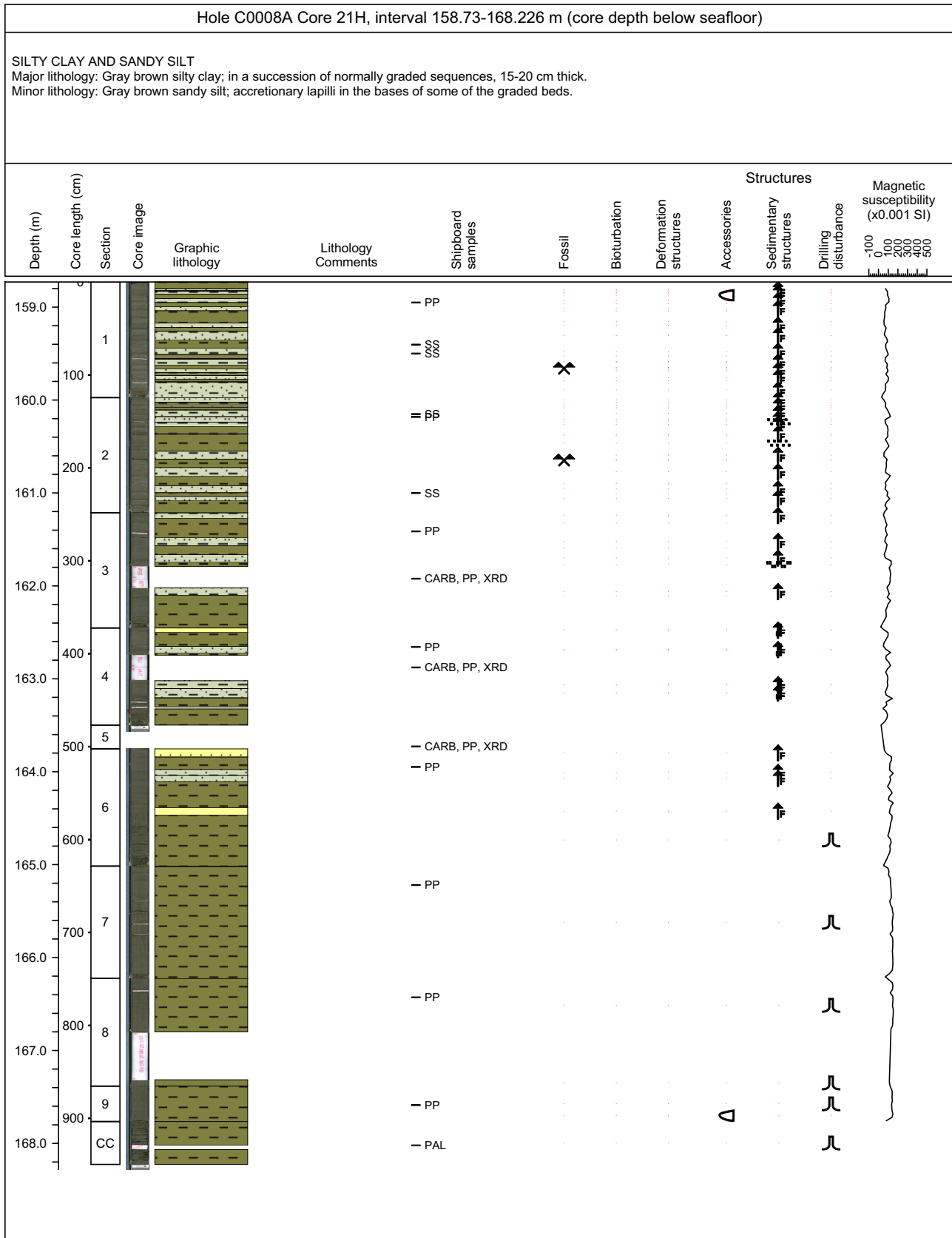
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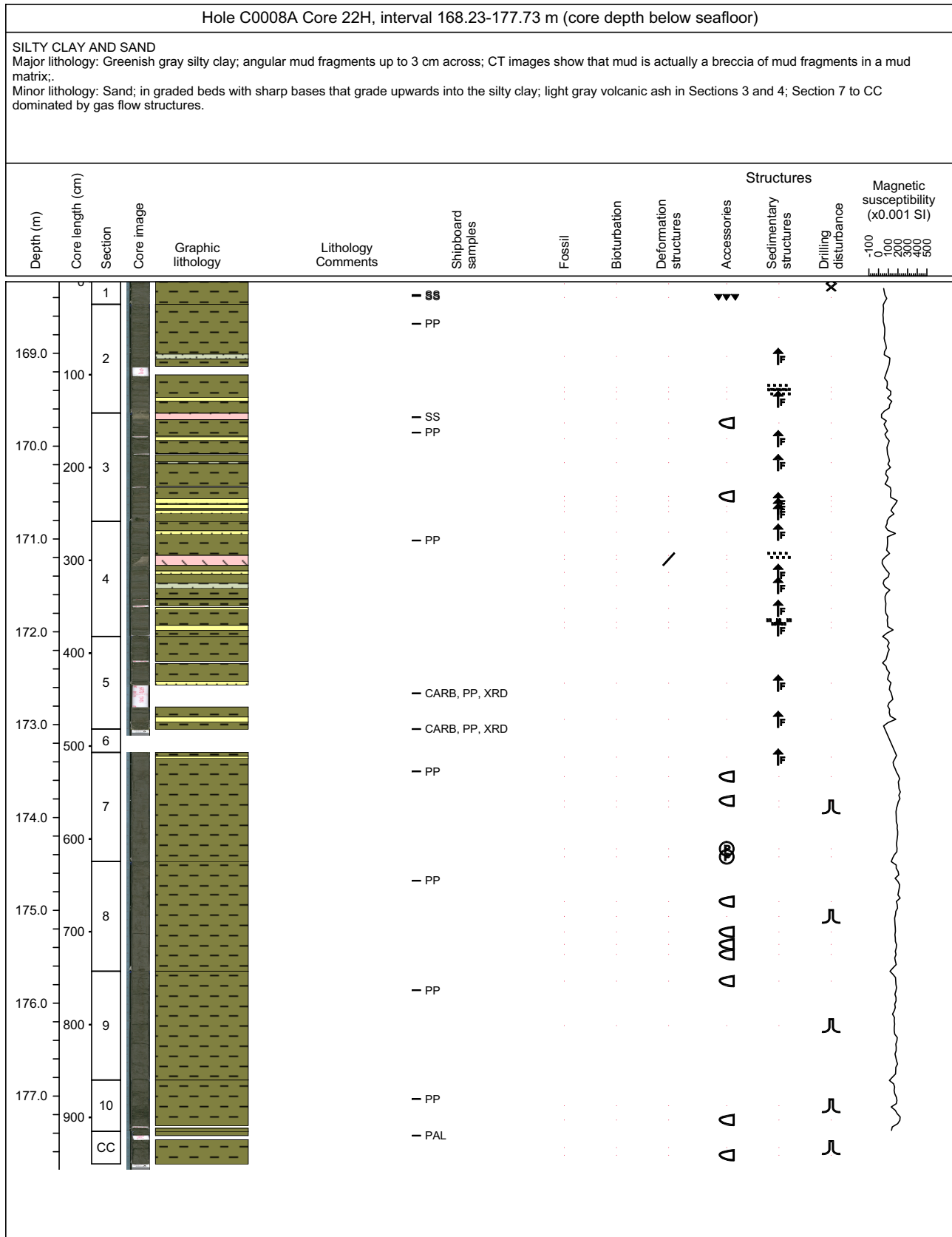
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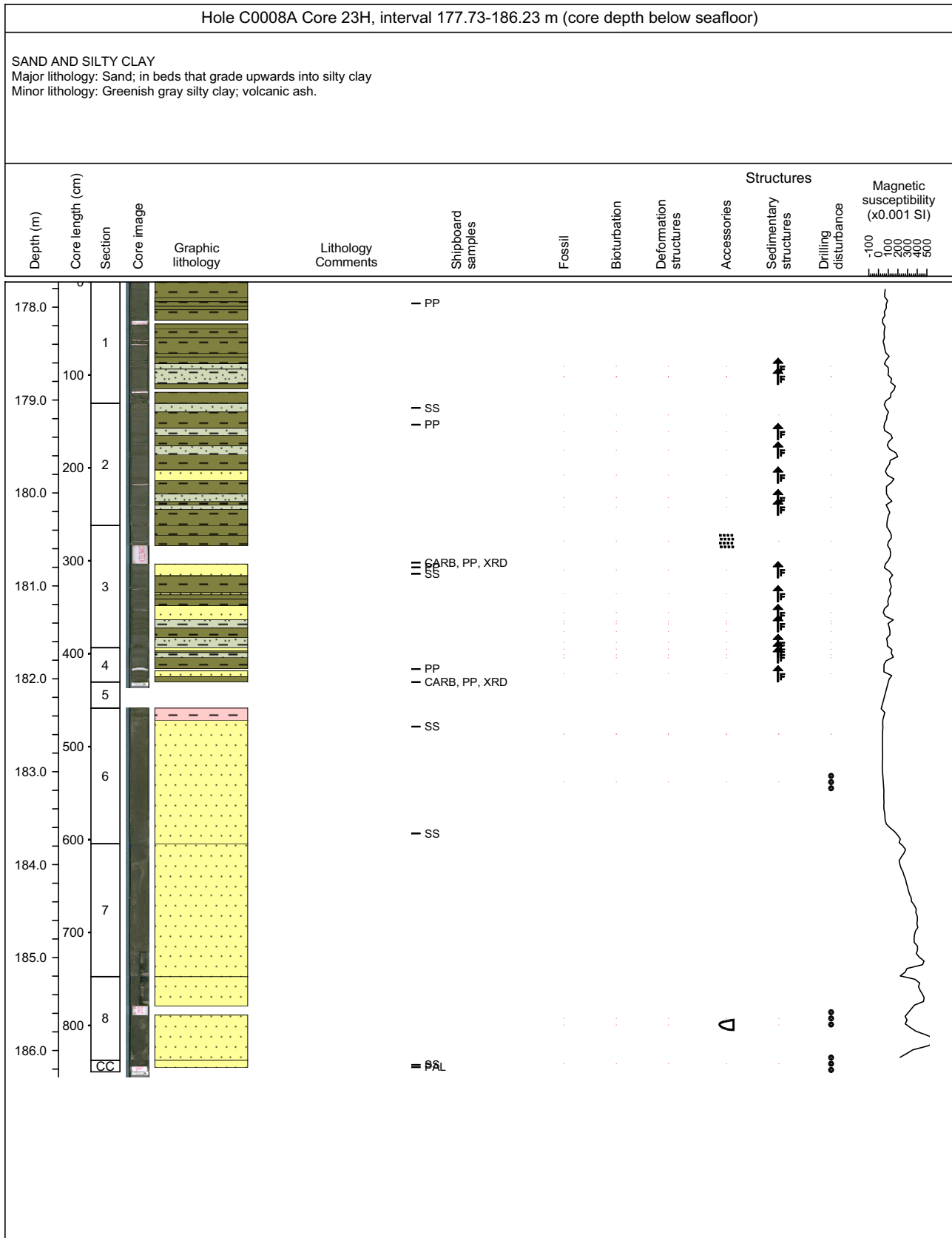
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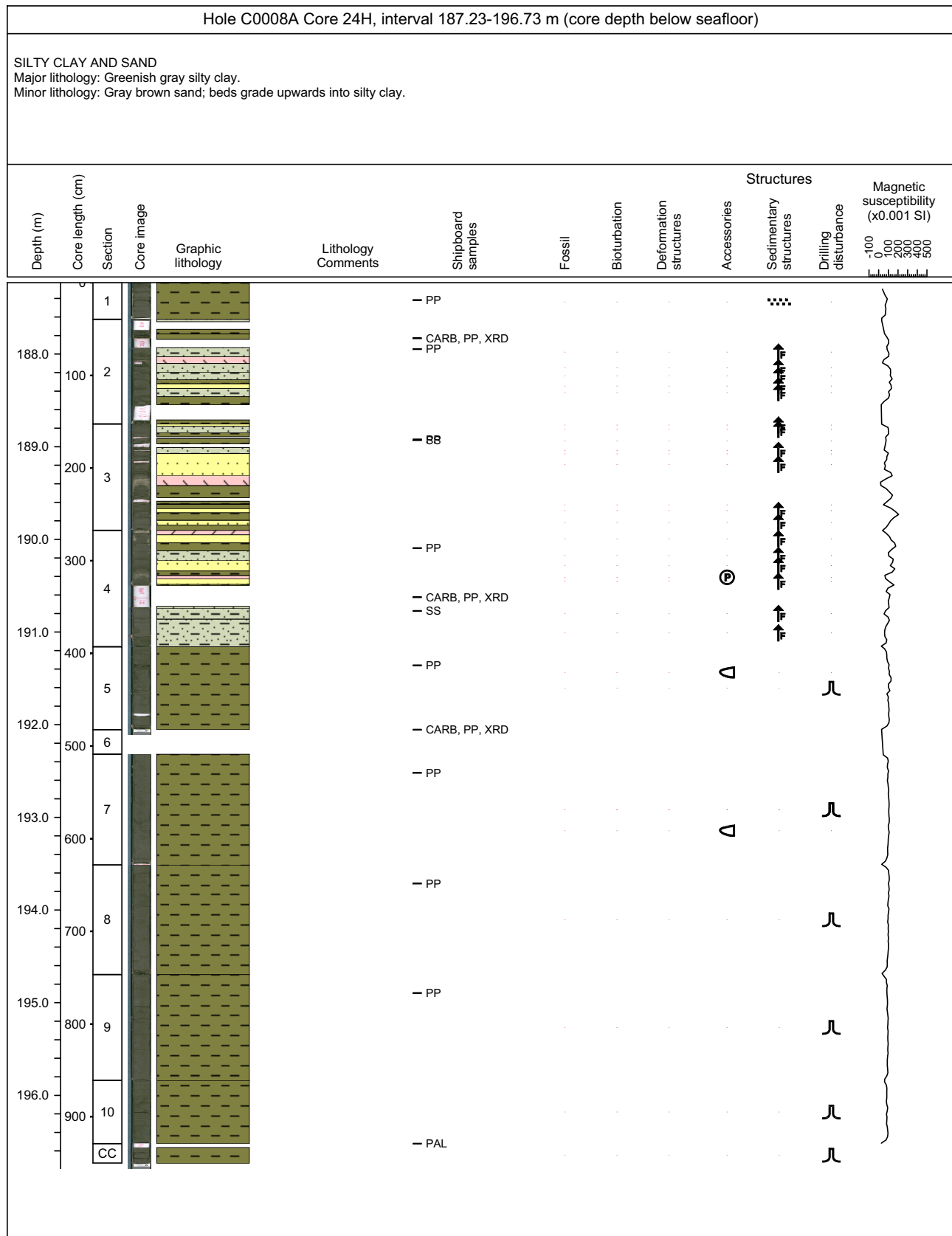
### Core Photo



### Core Photo

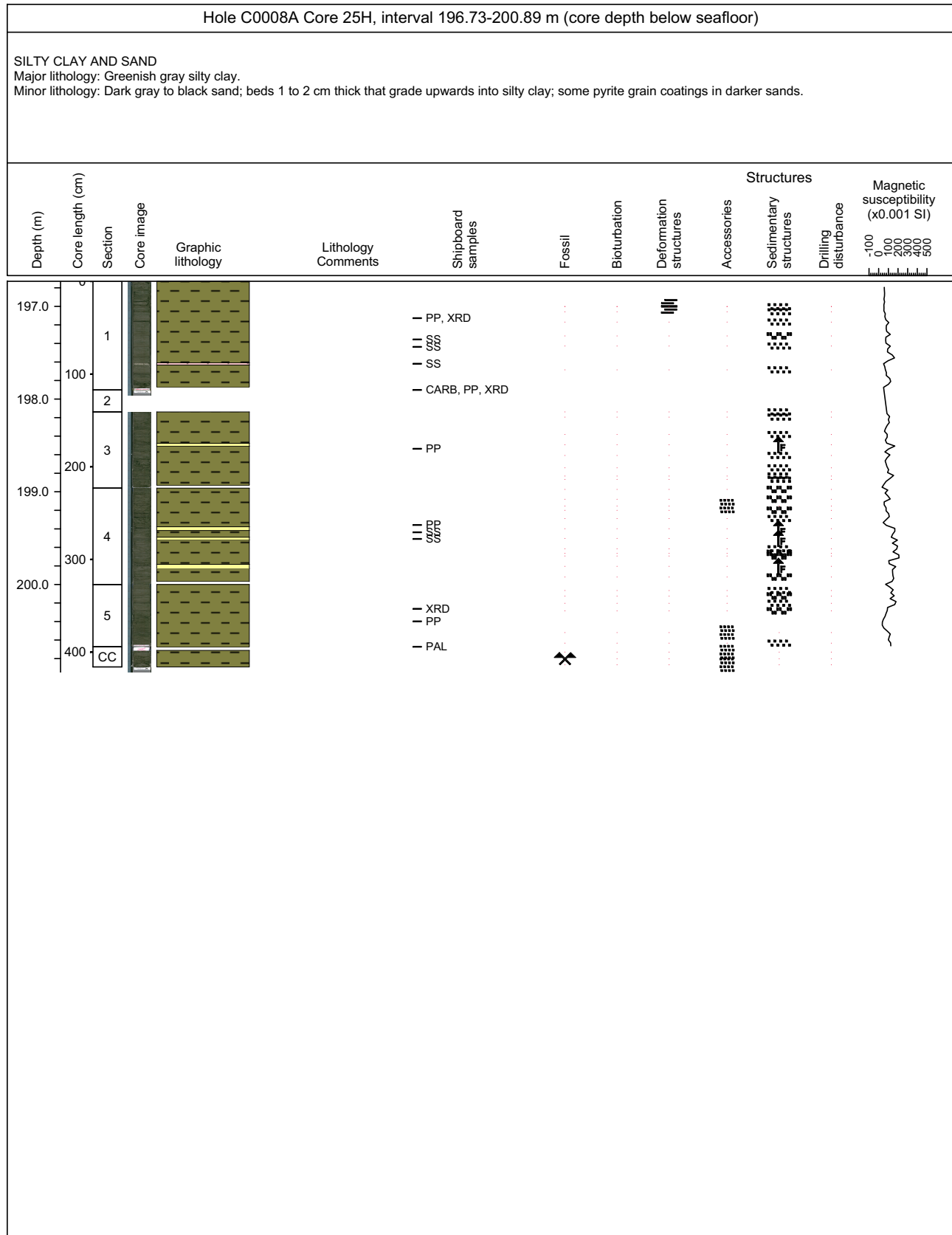


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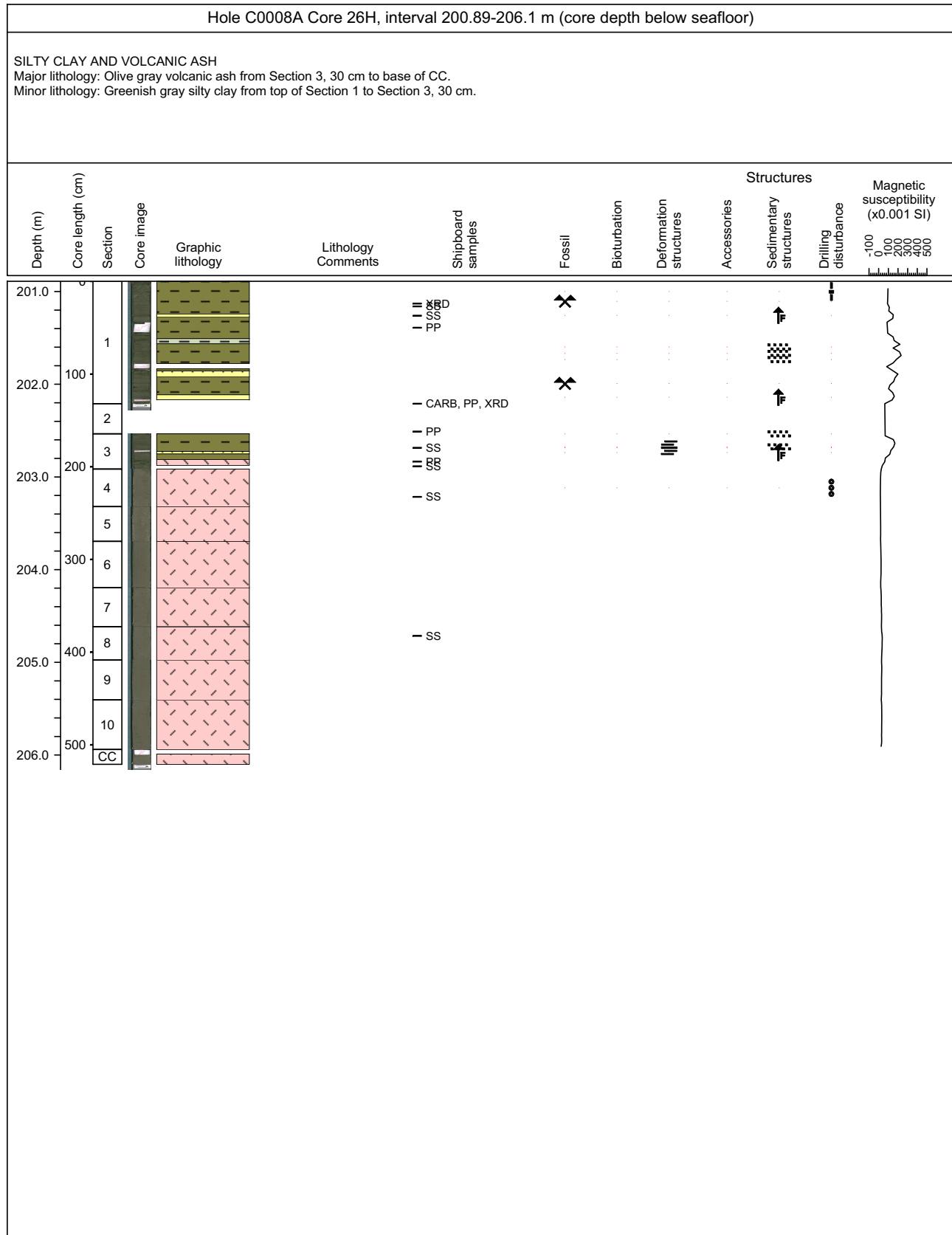




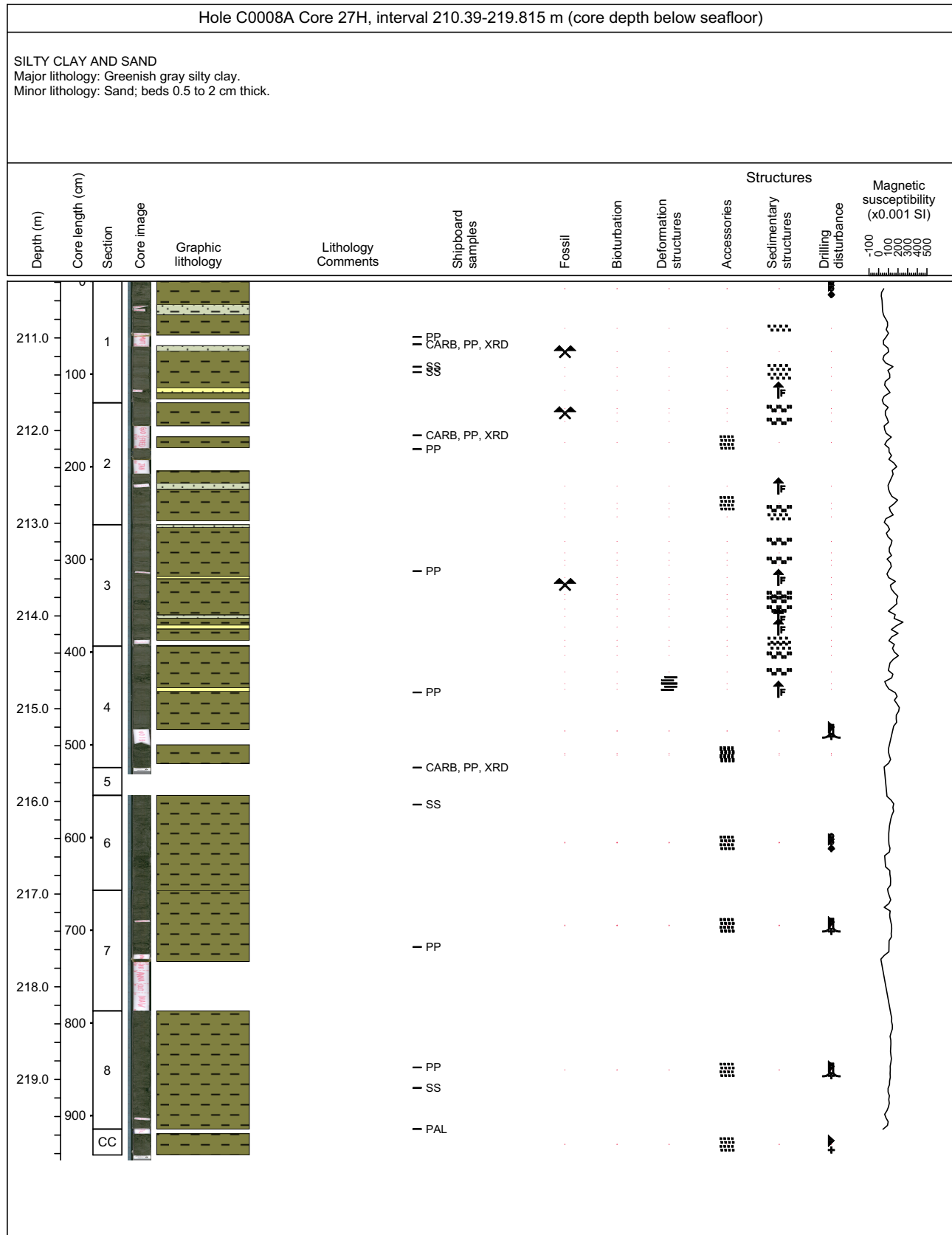
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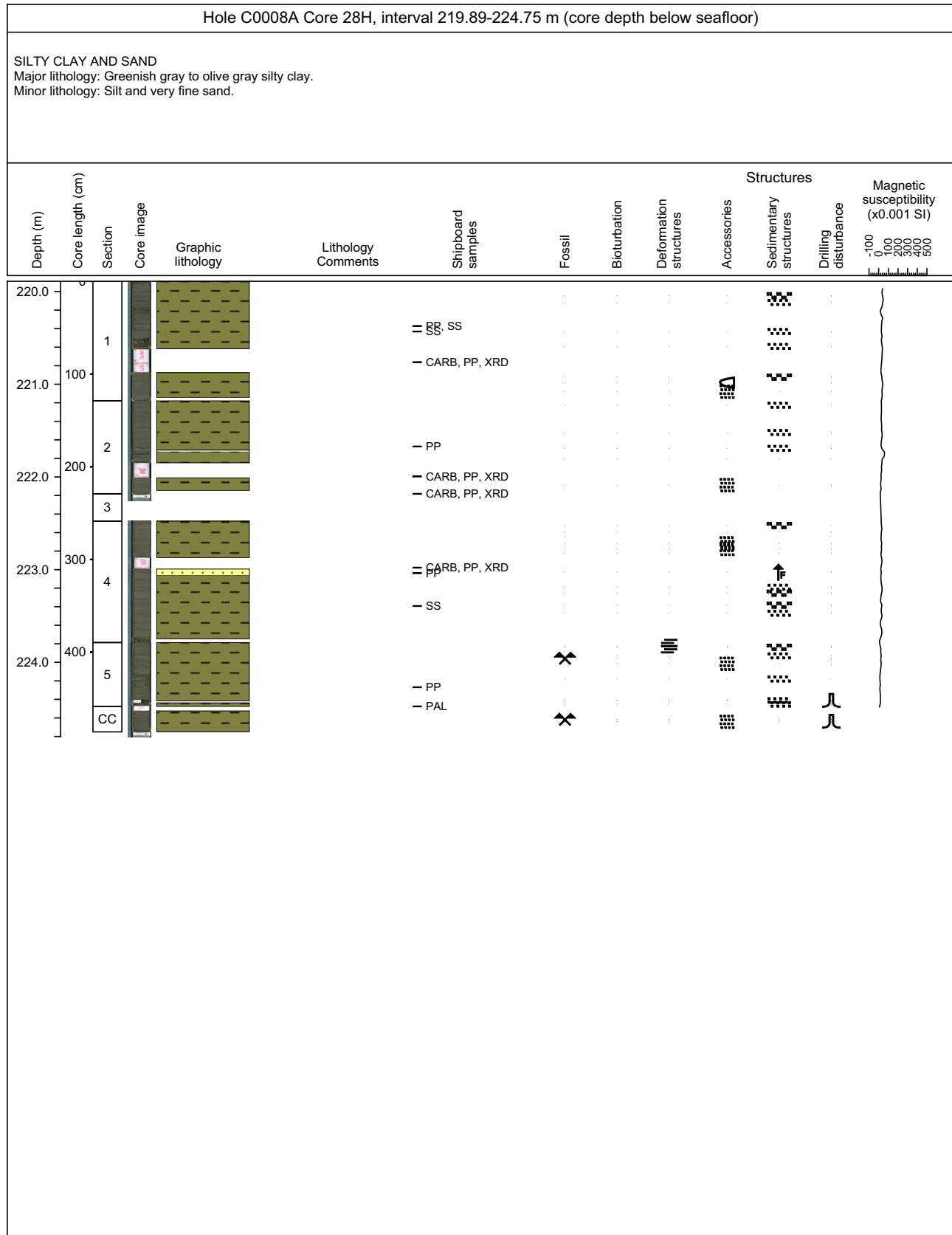
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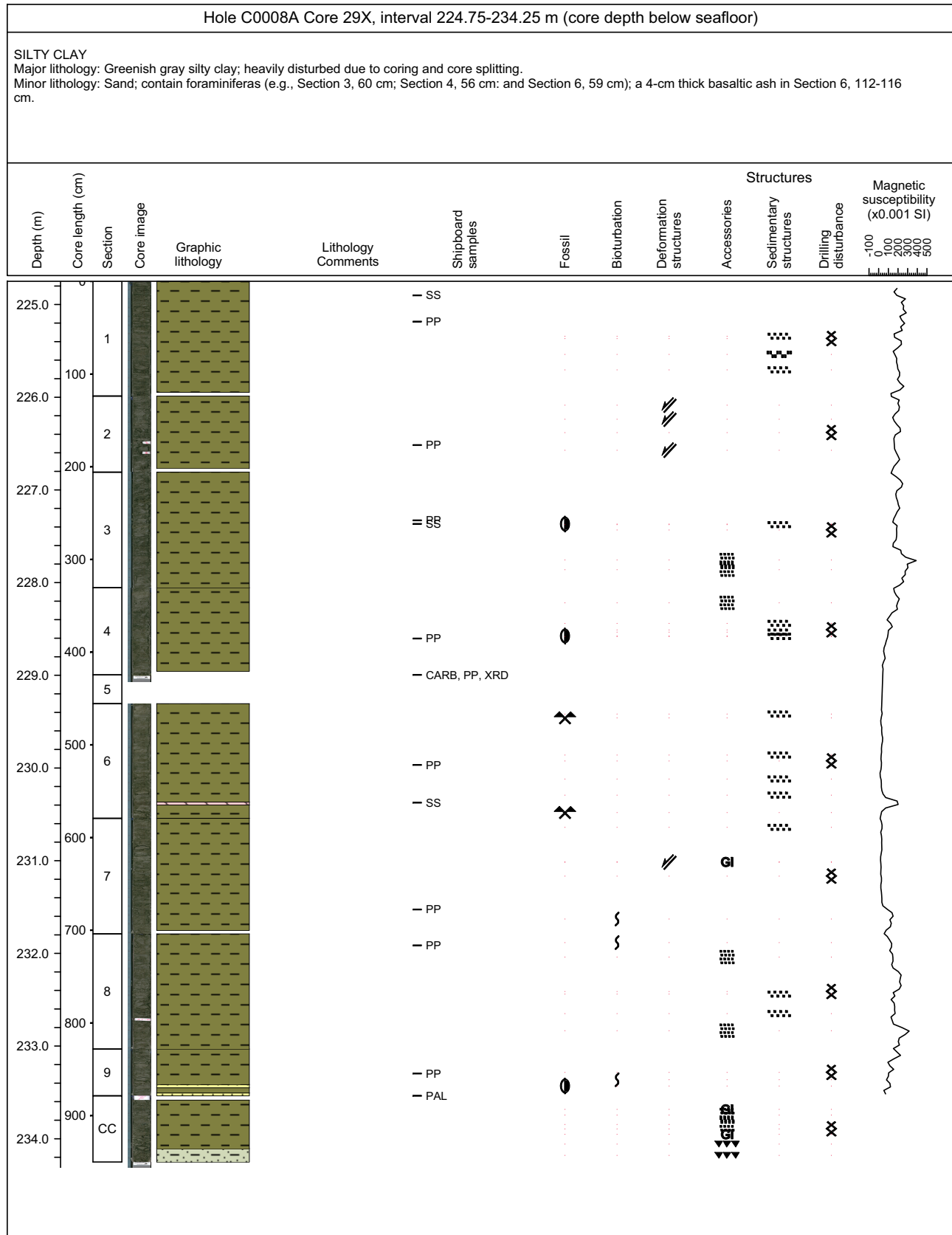
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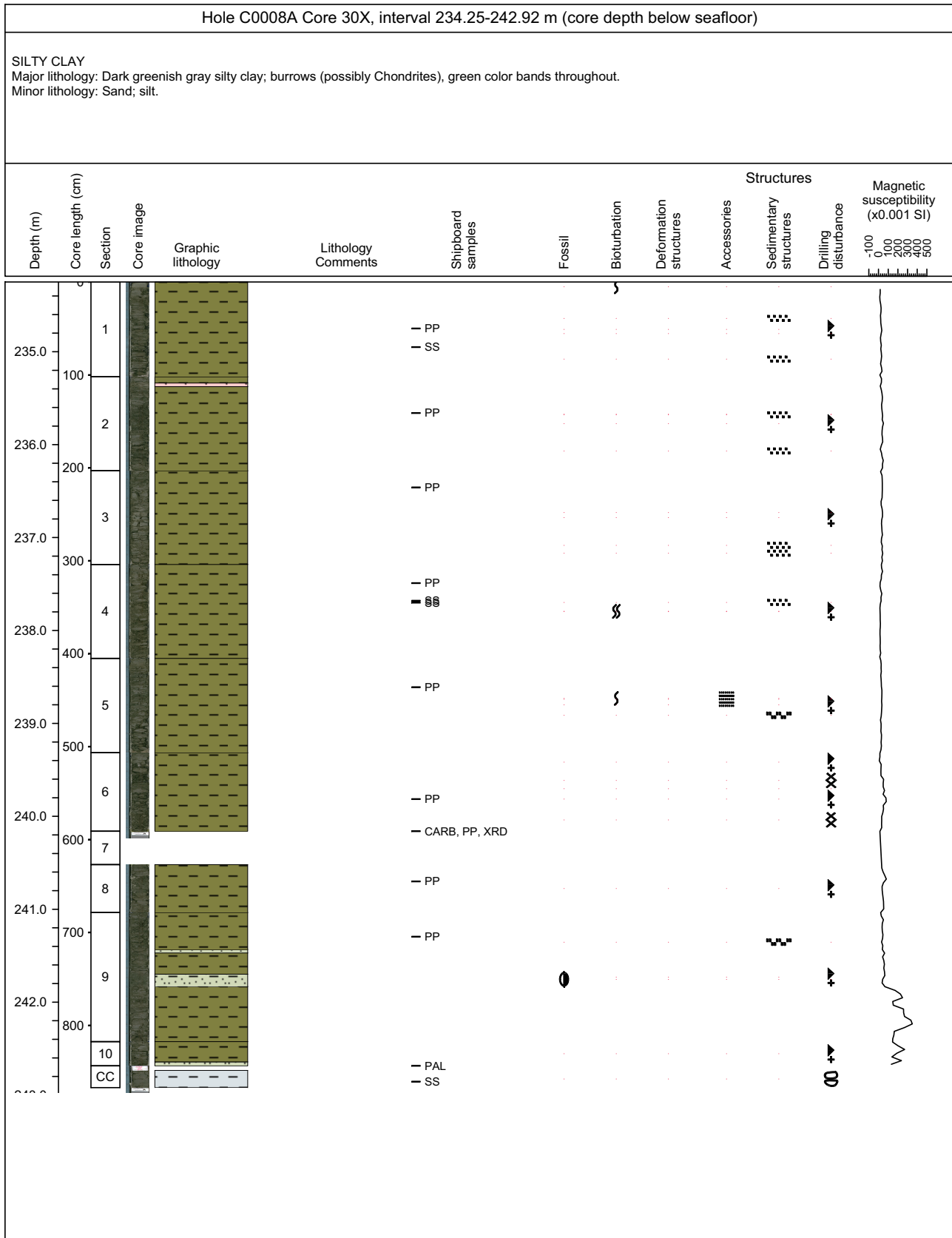
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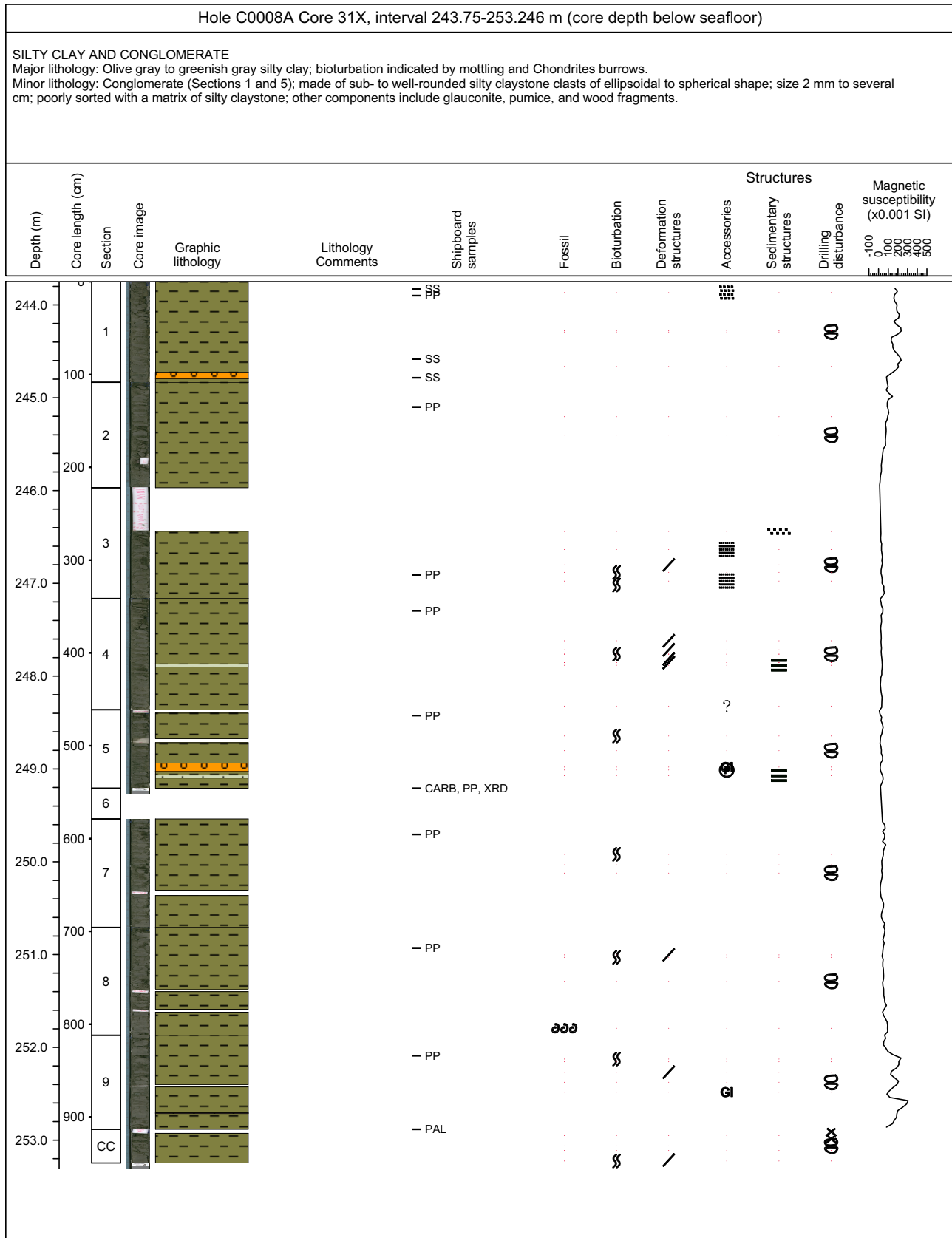
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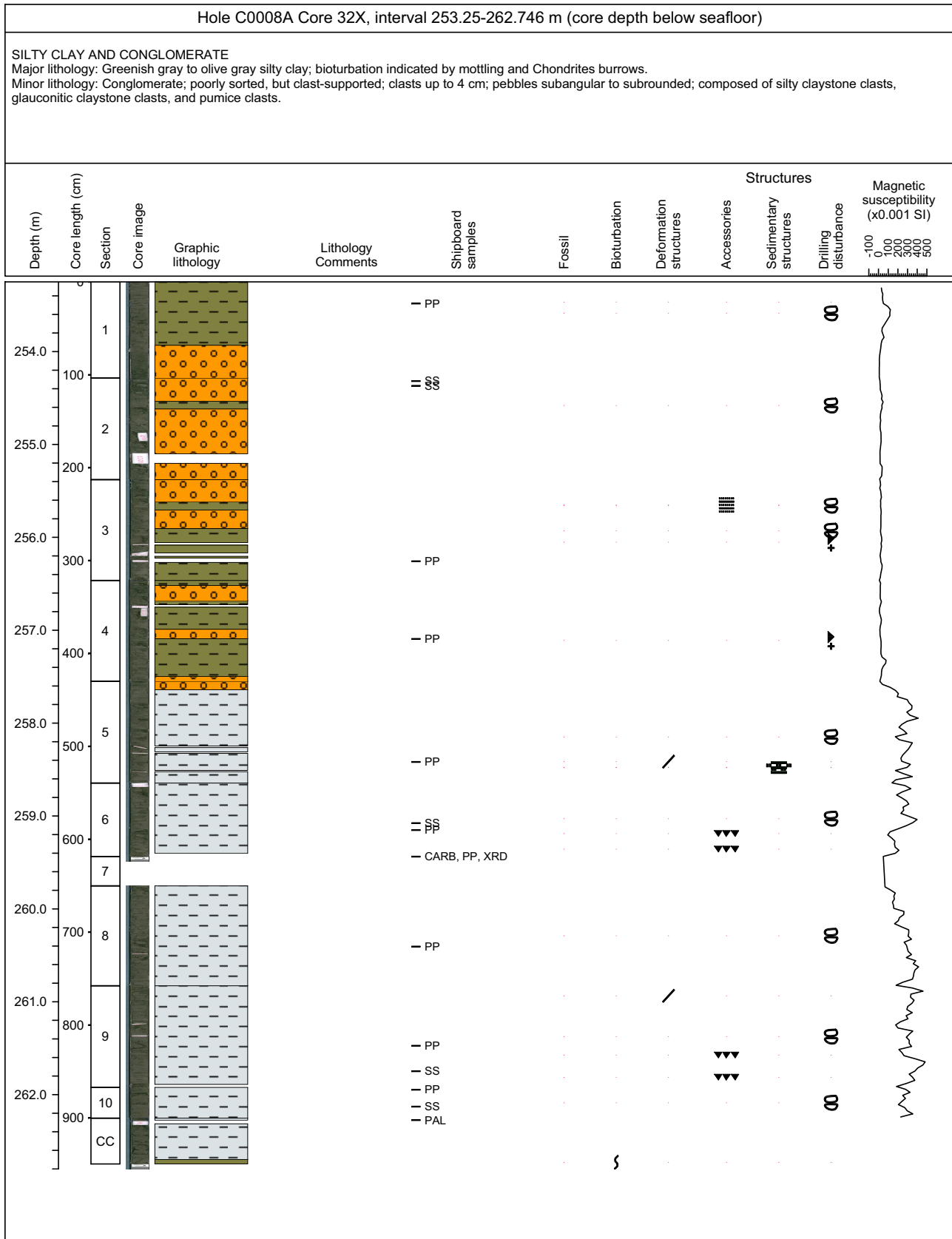
### Core Photo



### Core Photo

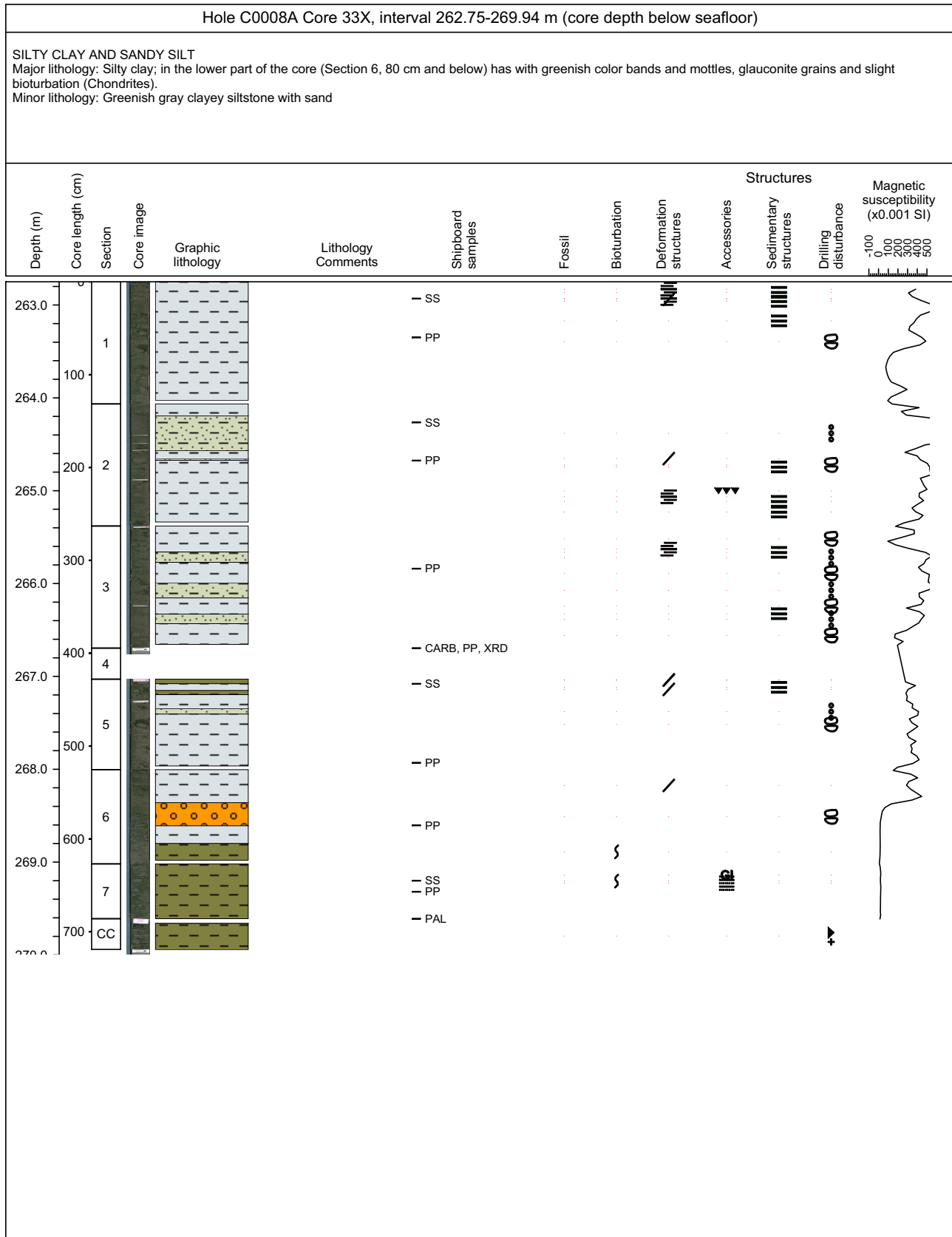


### Core Photo



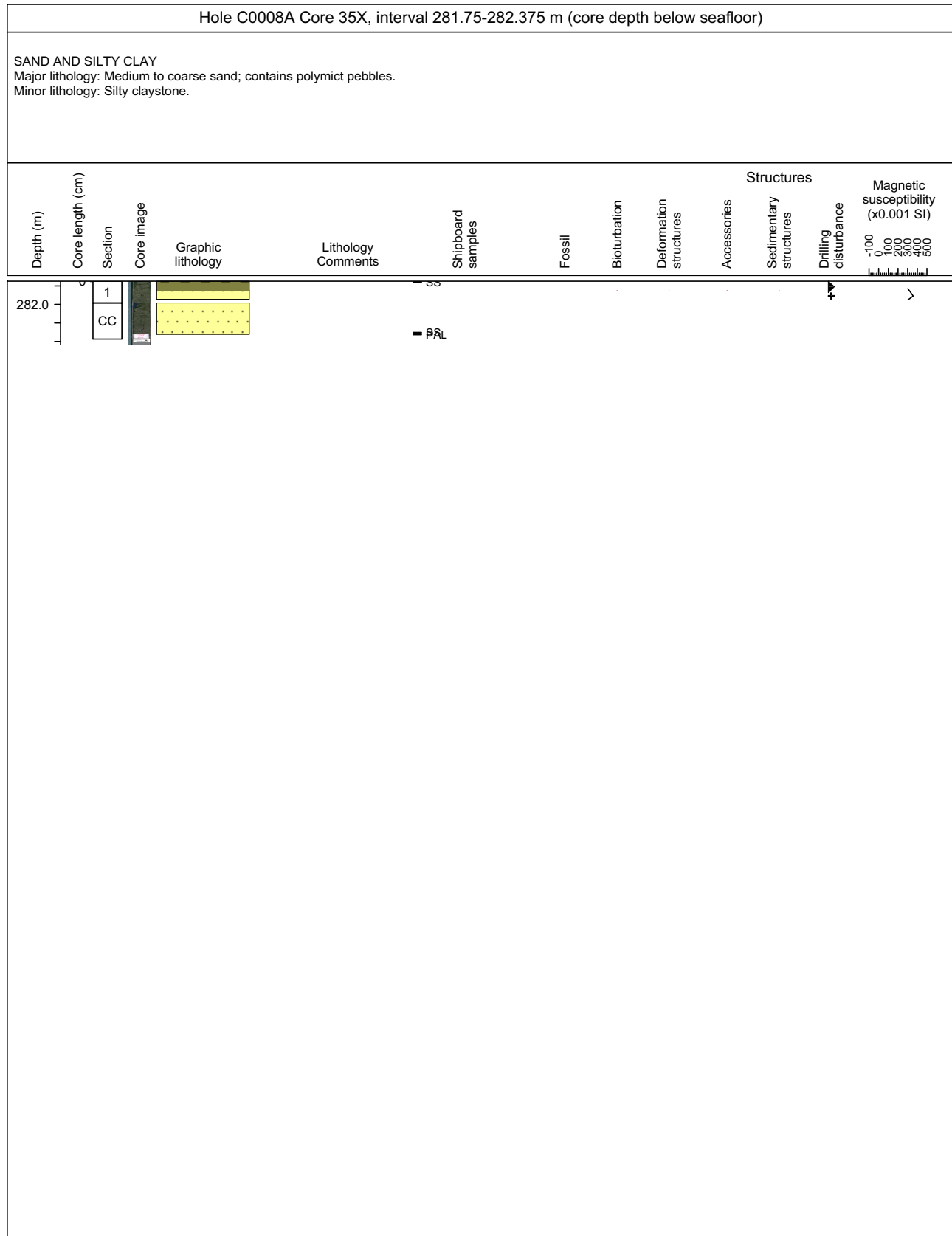


### Core Photo





### Core Photo



### Core Photo

Hole C0008A Core 36X, interval 291.25-291.835 m (core depth below seafloor)													
<p>SAND AND SILTY CLAY                      Major lithology: Medium to coarse sand; poorly sorted; contains pebbles.                      Minor lithology: Greenish gray silty claystone.</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)
		1 CC				<ul style="list-style-type: none"> <li>▬ BB</li> <li>▬ SS</li> <li>▬ PAL, PP</li> </ul>							



## Core Photo

Hole C0008A Core 38X, interval 310.25-310.91 m (core depth below seafloor)												
<p>SAND                      Major lithology: Medium to coarse sand; poorly sorted; contains polymict pebbles.                      Minor lithology: Silty claystone pieces at the top of the core could either be in place or fallen in from above?</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)
		1										
		CC										

Hole C0008A Core 39X No recovery

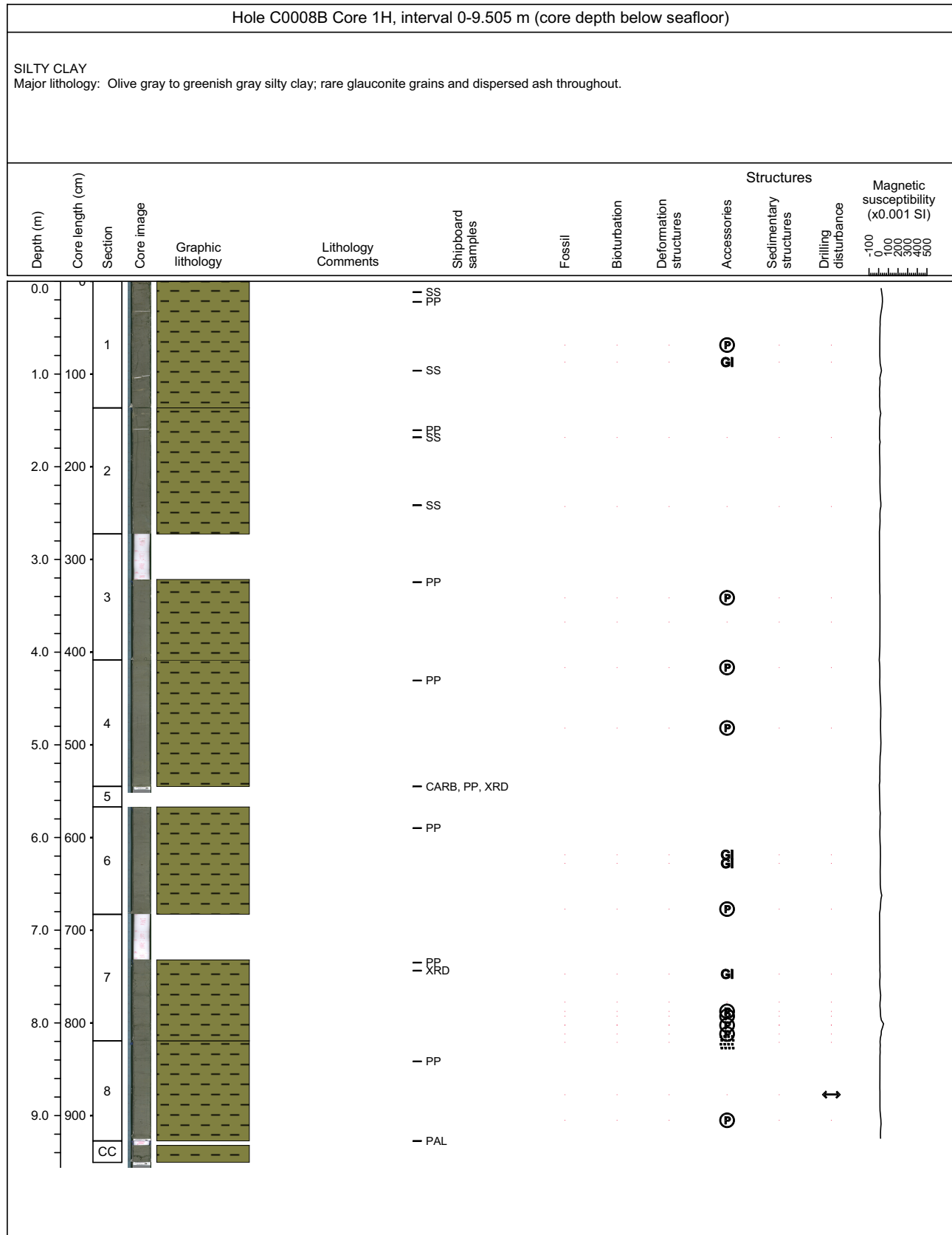


## Core Photo

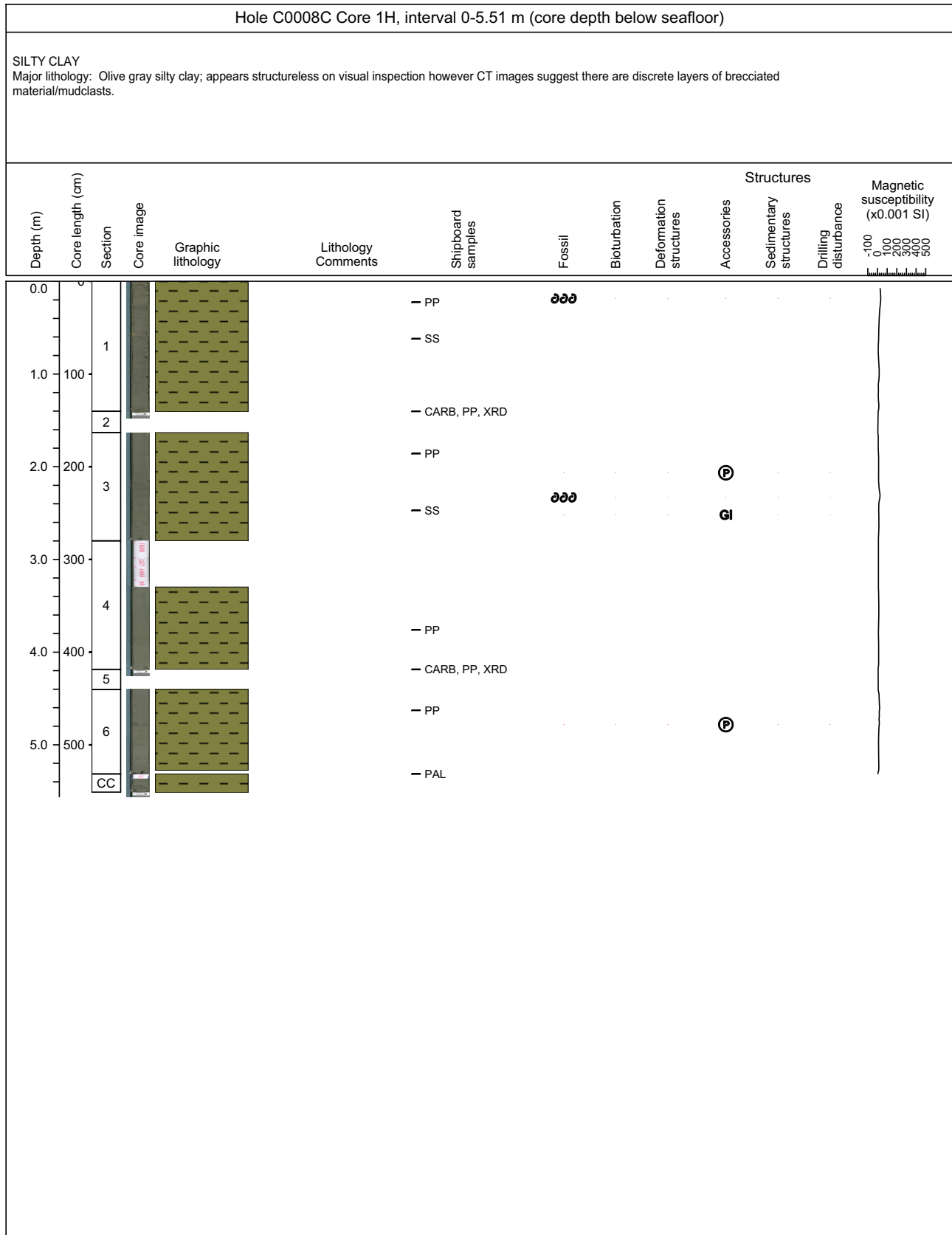
Hole C0008A Core 40X, interval 329.25-329.375 m (core depth below seafloor)												
SAND Major lithology: Calcite-cemented sandstone; poorly sorted, contains polymict pebbles.												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures Sedimentary structures	Magnetic susceptibility (x0.001 SI)



### Core Photo

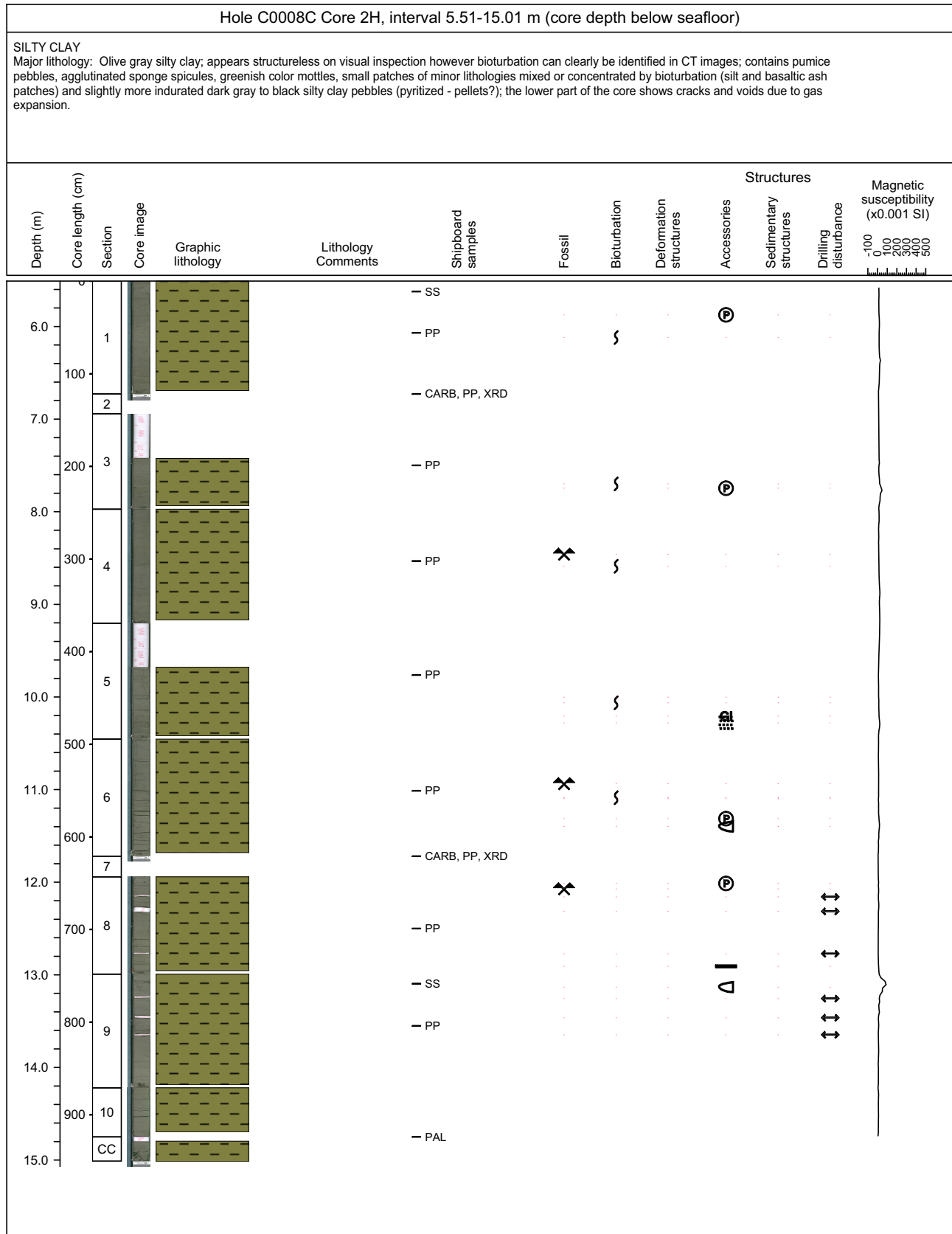


### Core Photo

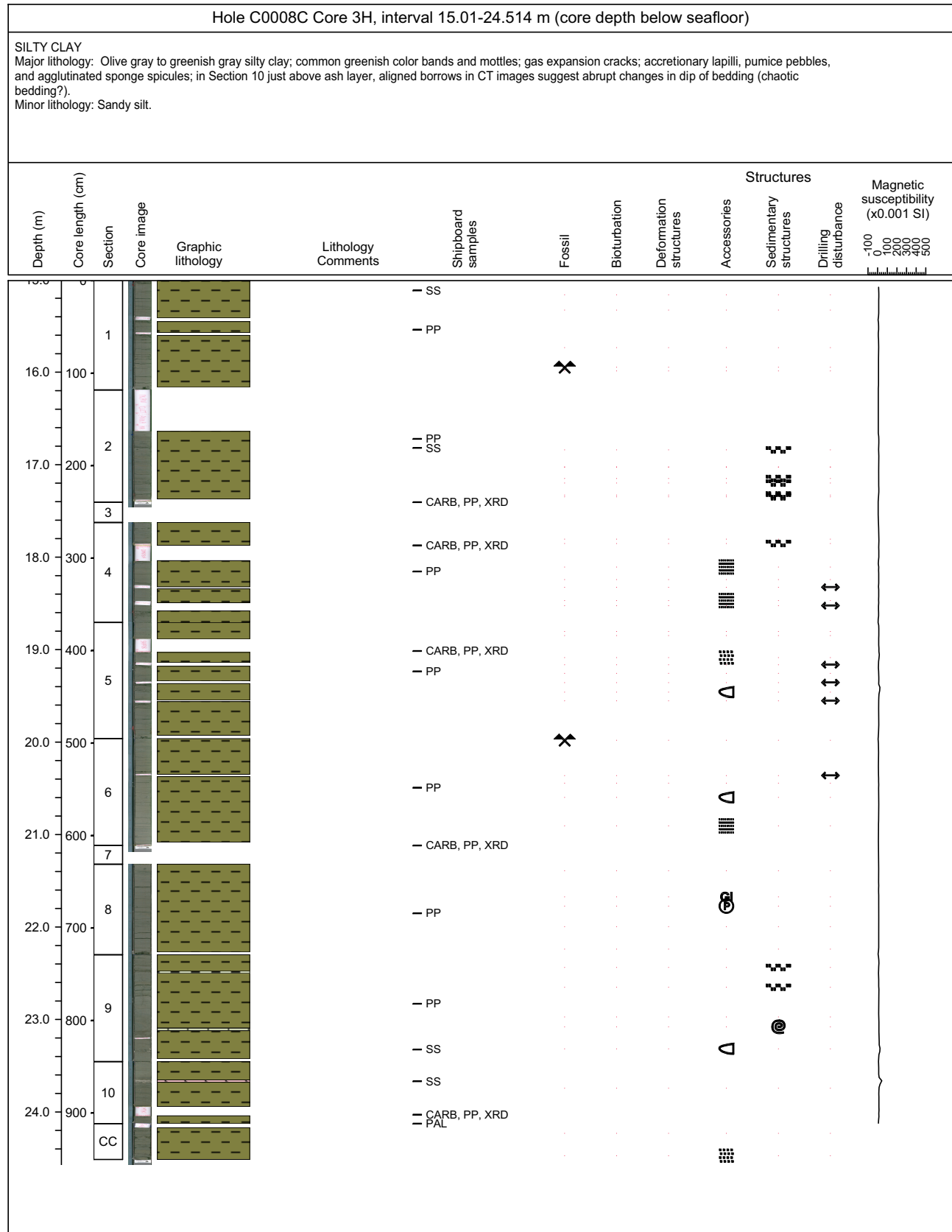




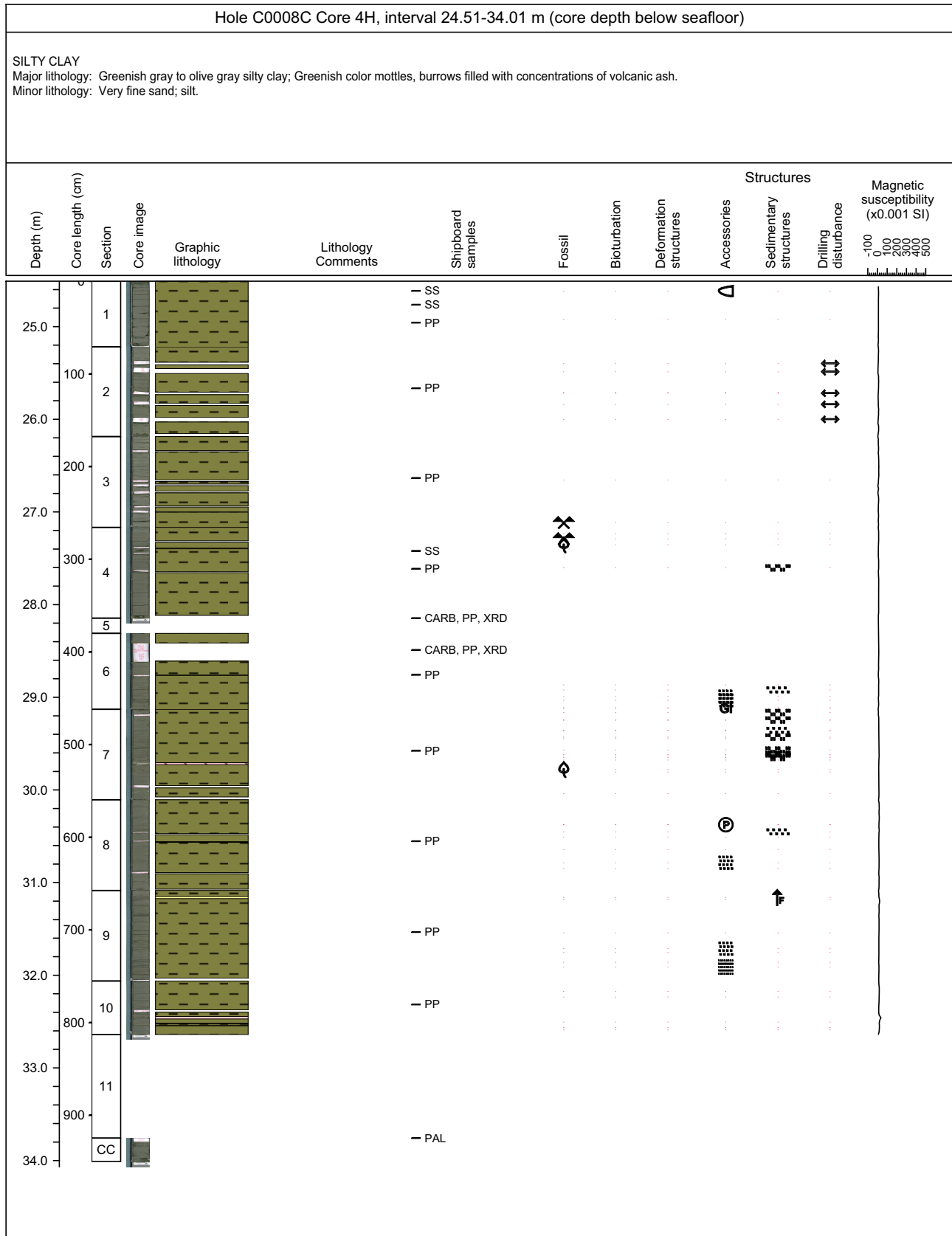
### Core Photo



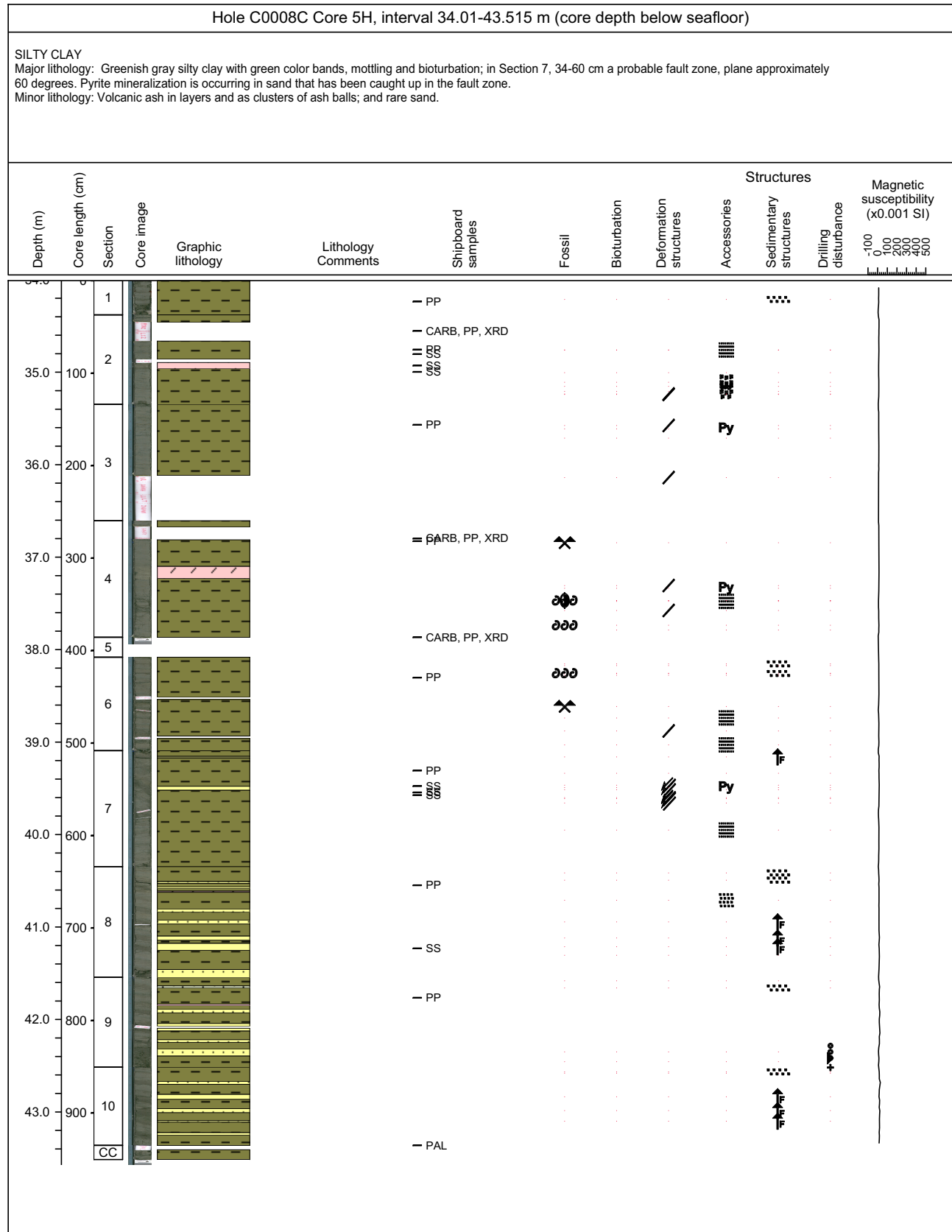
### Core Photo



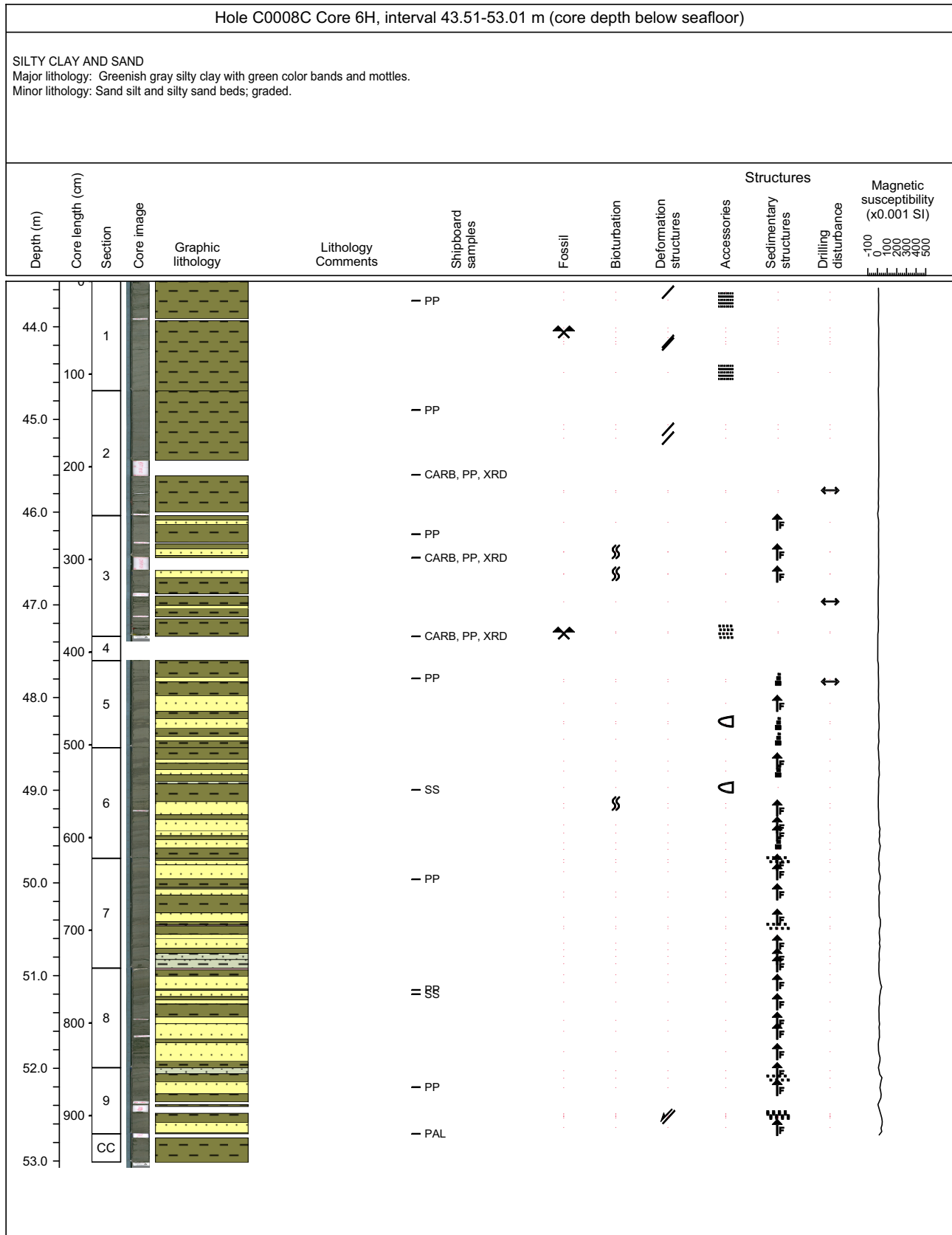
### Core Photo



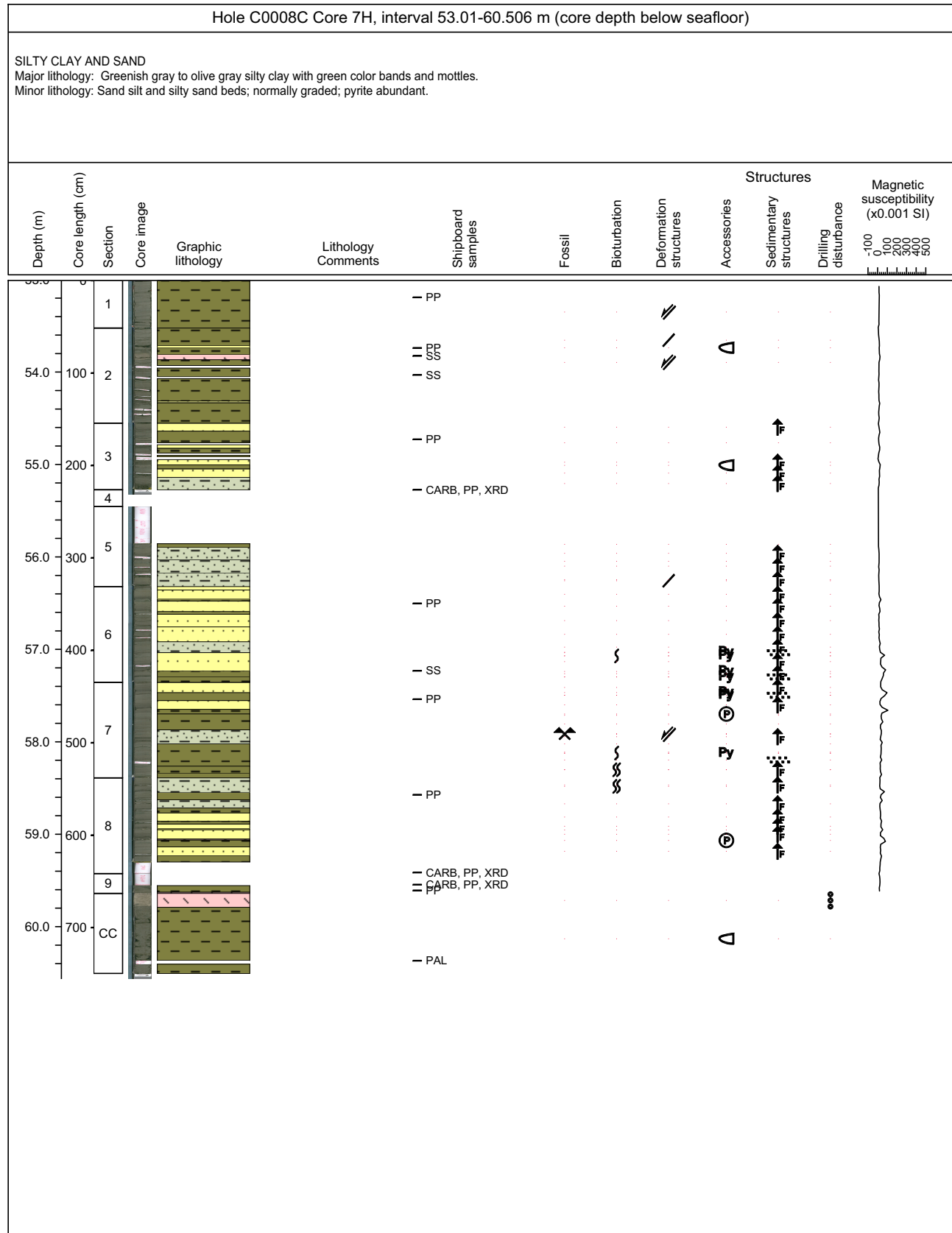
### Core Photo



### Core Photo



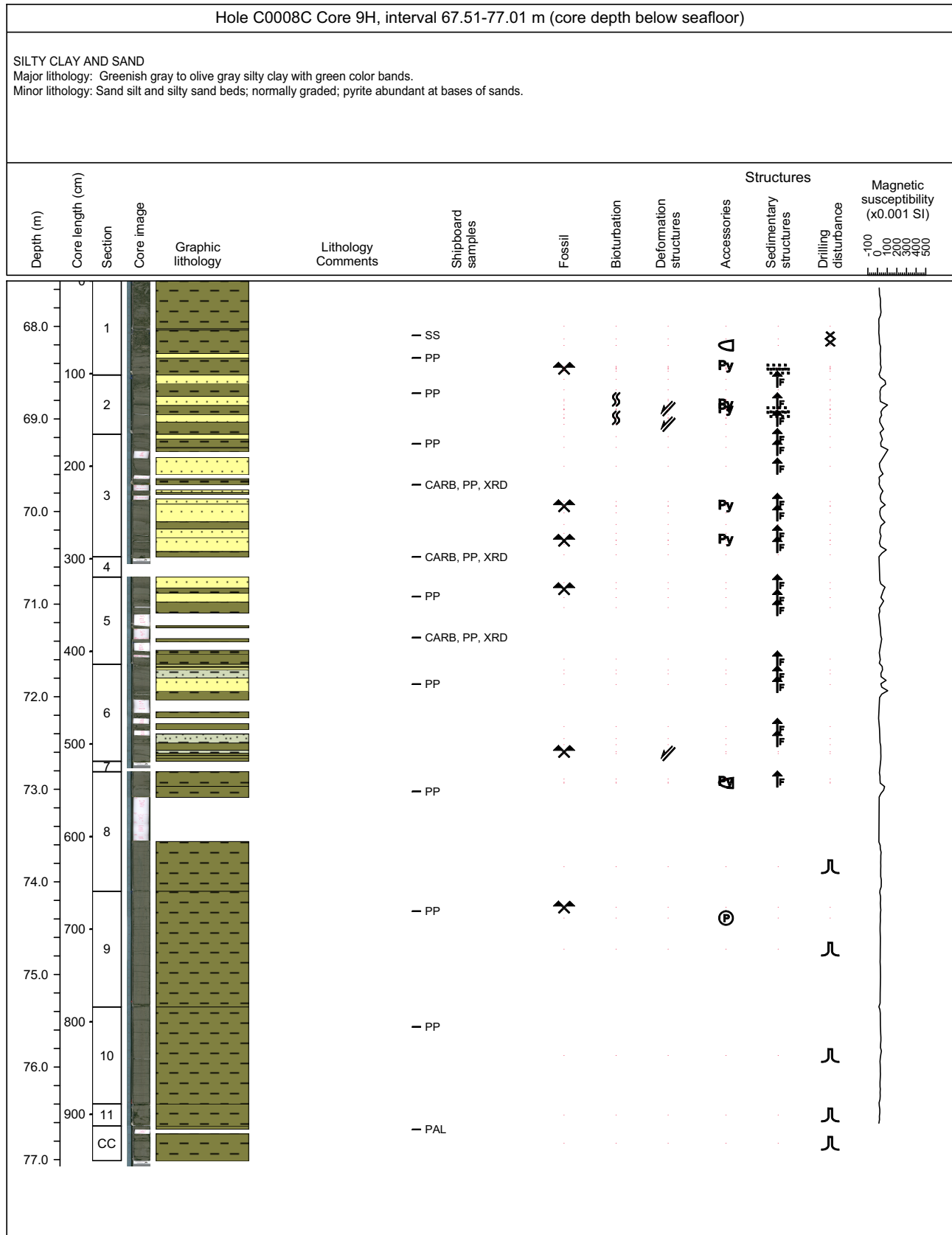
### Core Photo



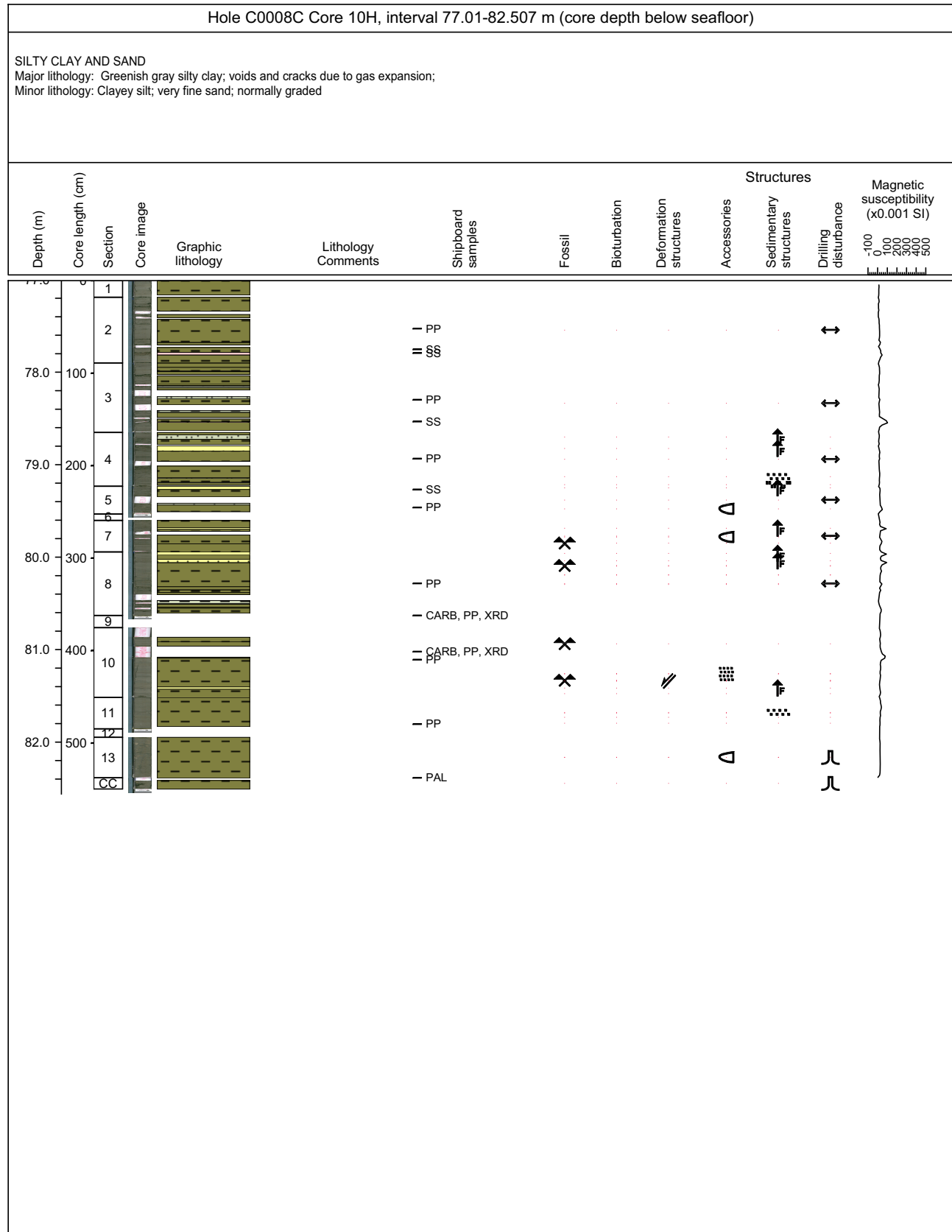
Hole C0008C Core 8H No recovery



### Core Photo

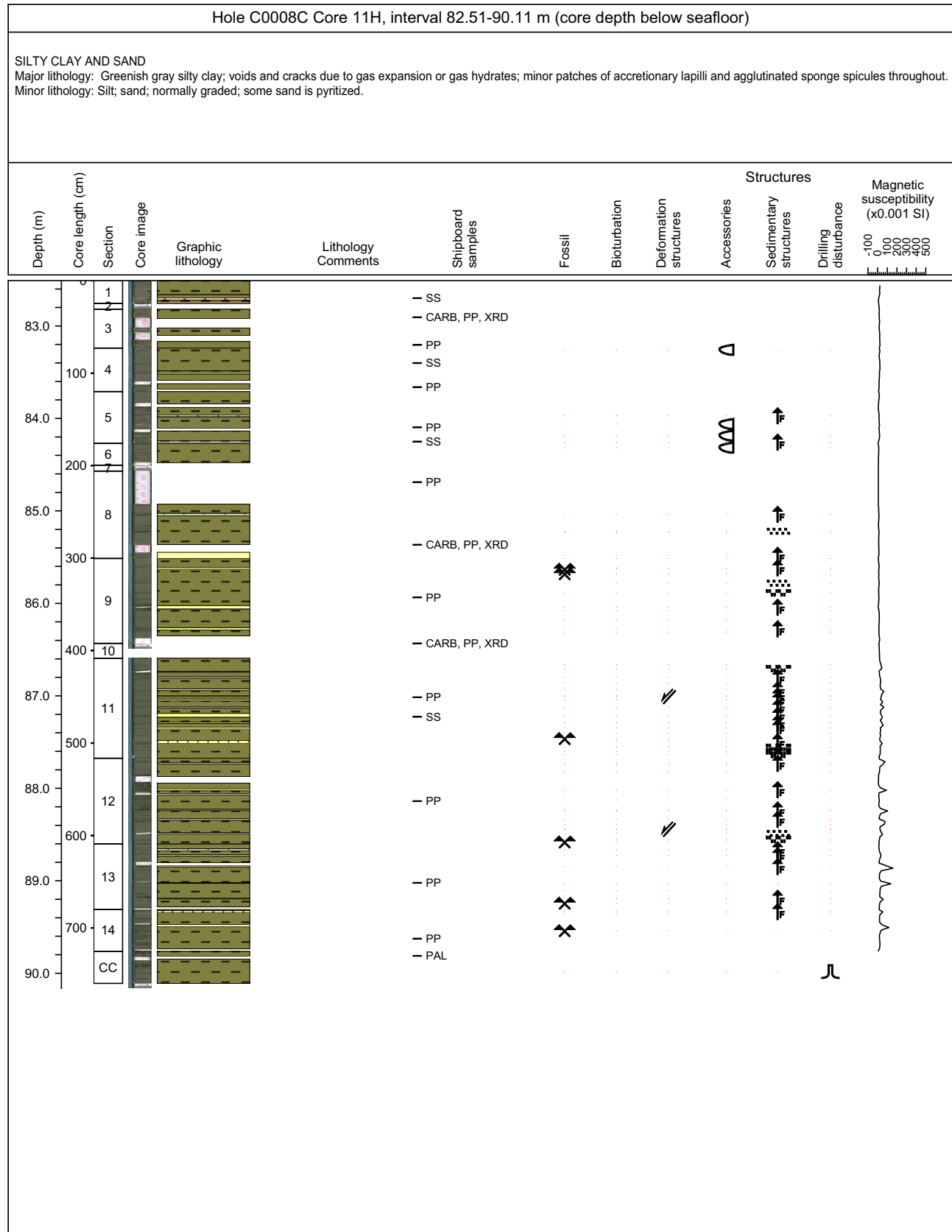


### Core Photo

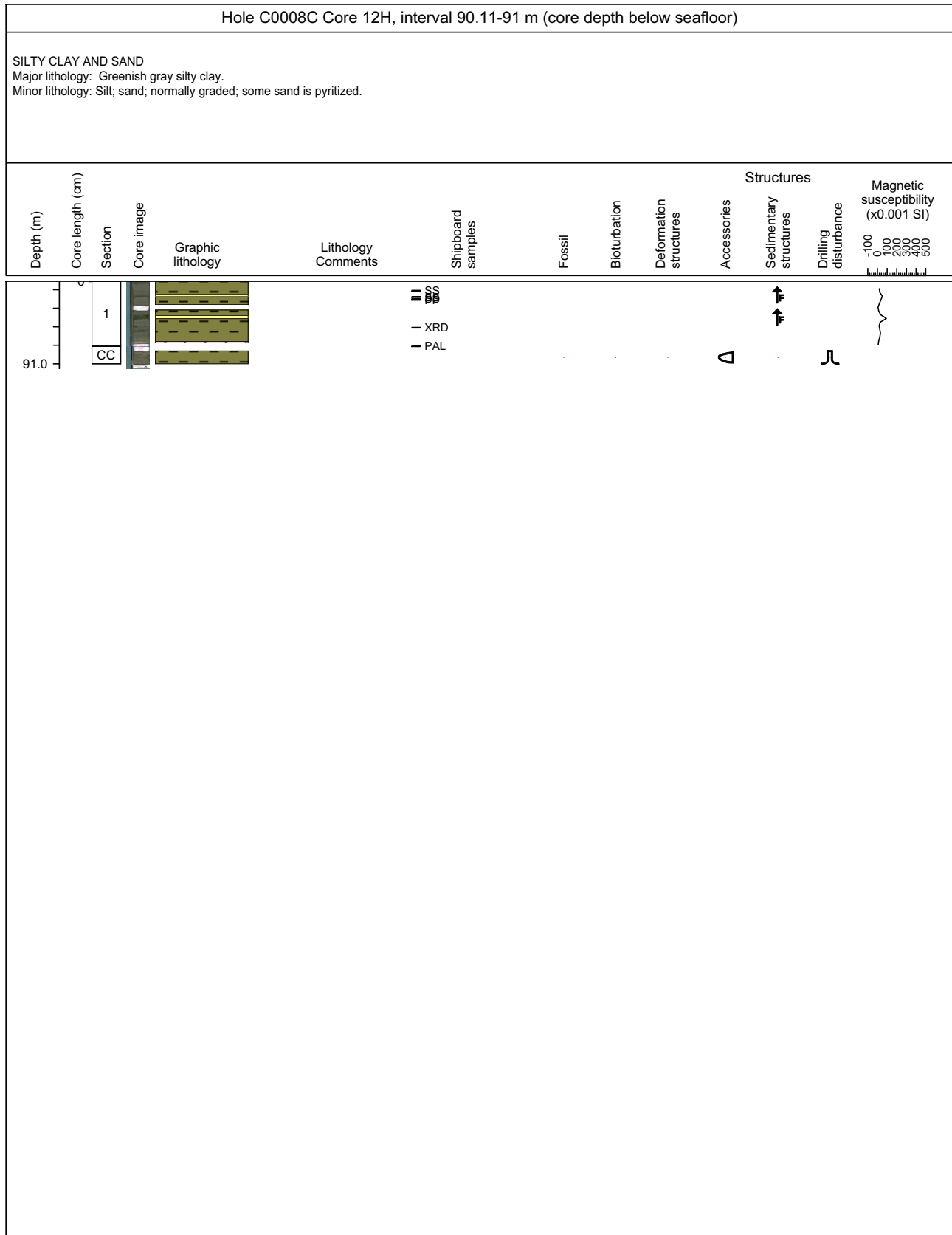




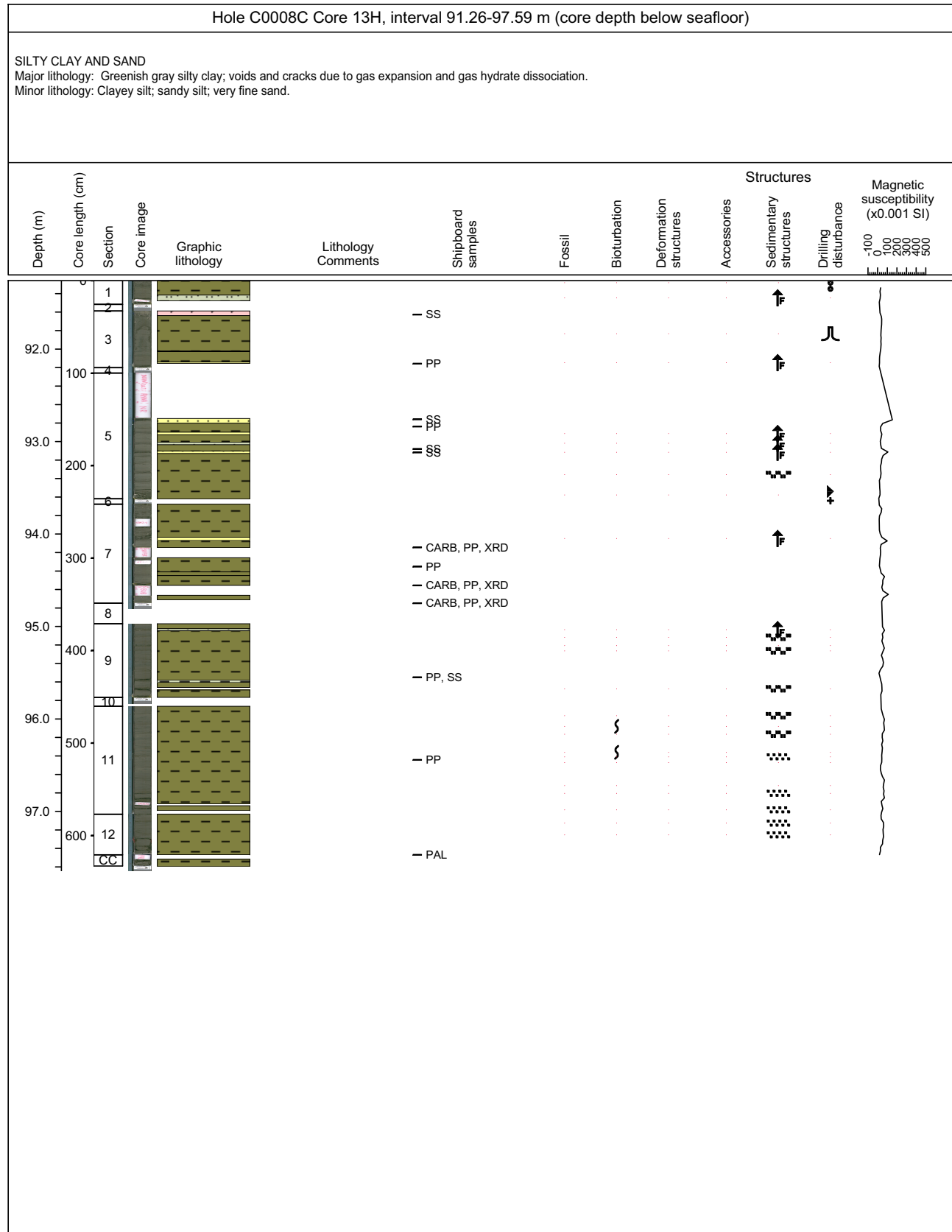
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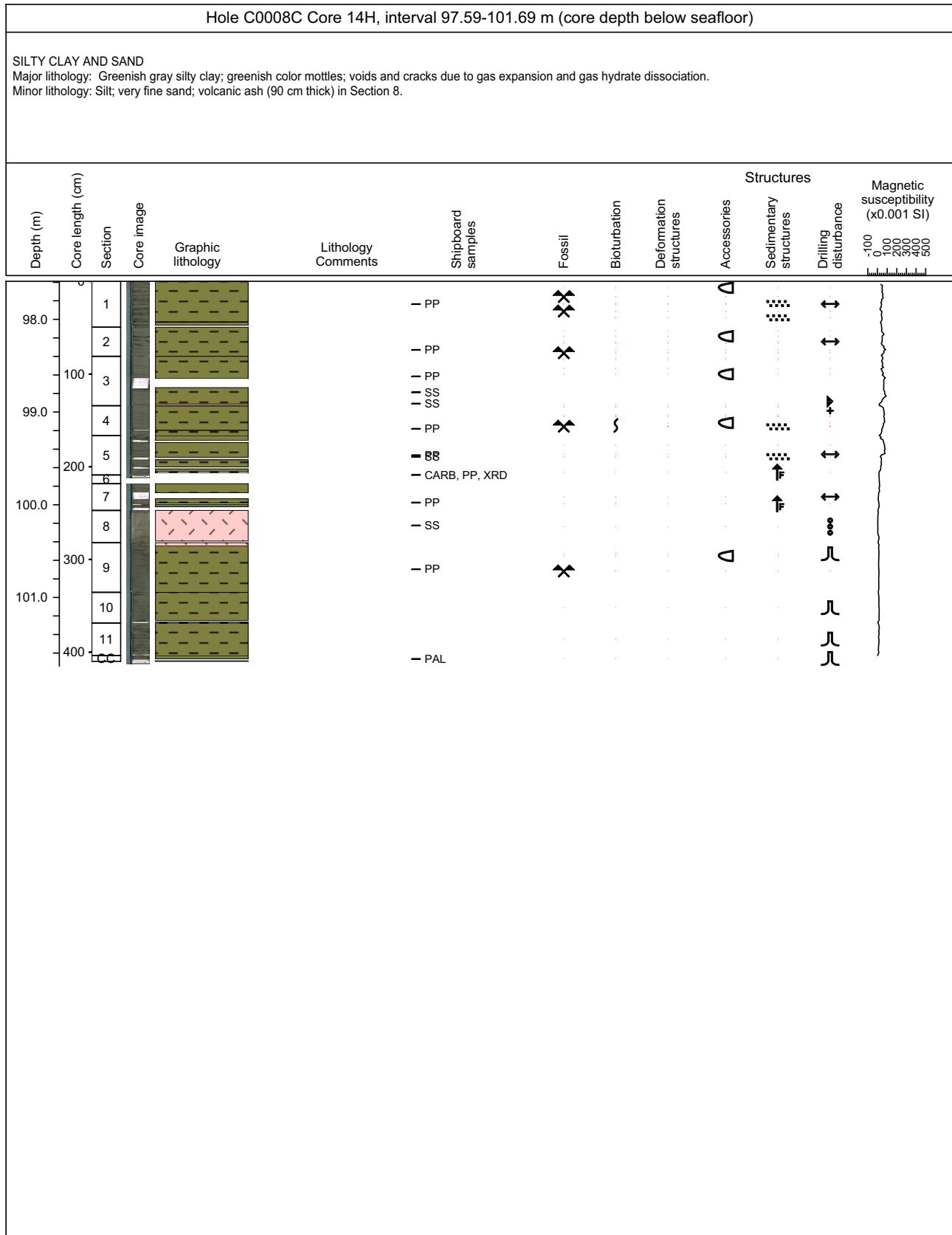
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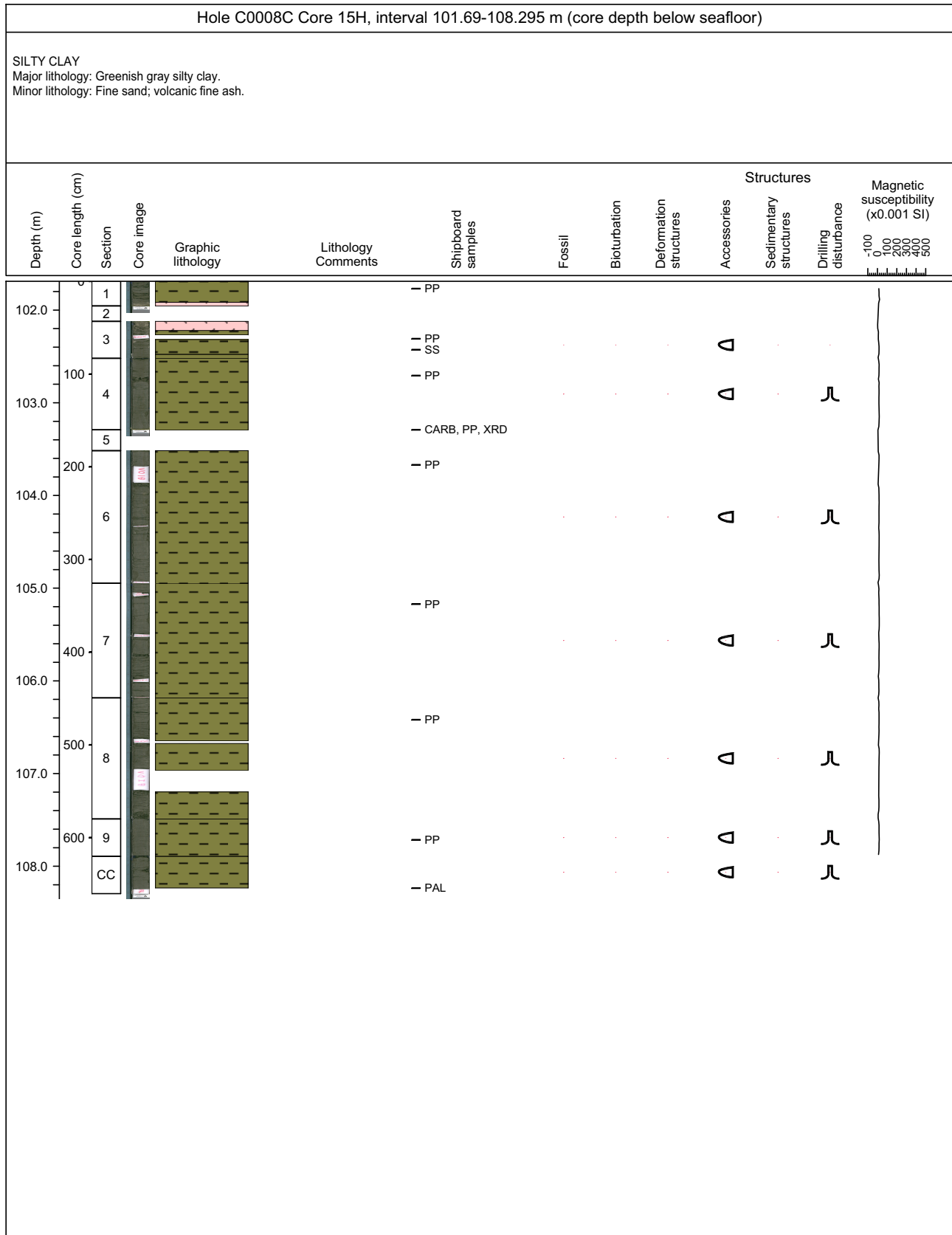
### Core Photo



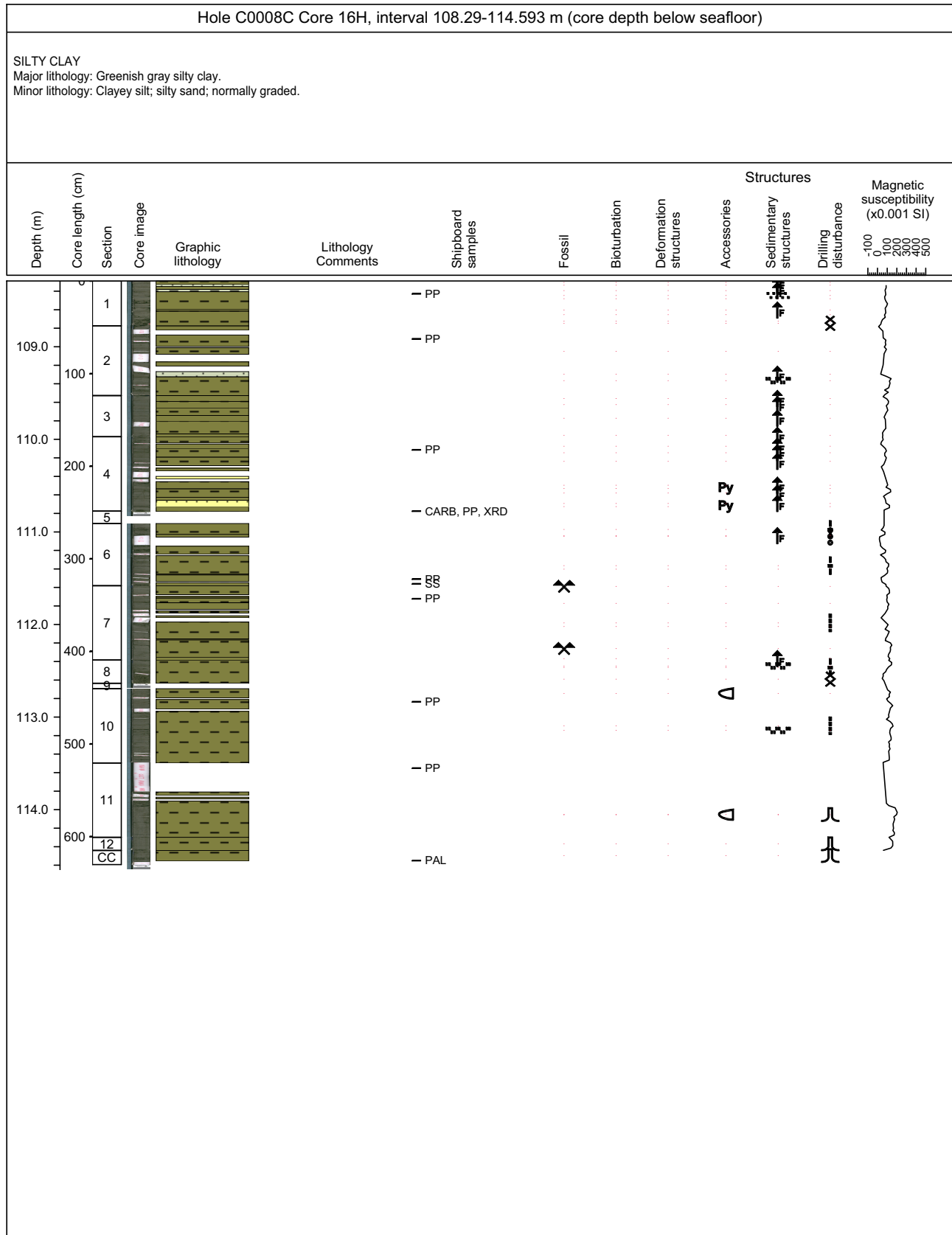
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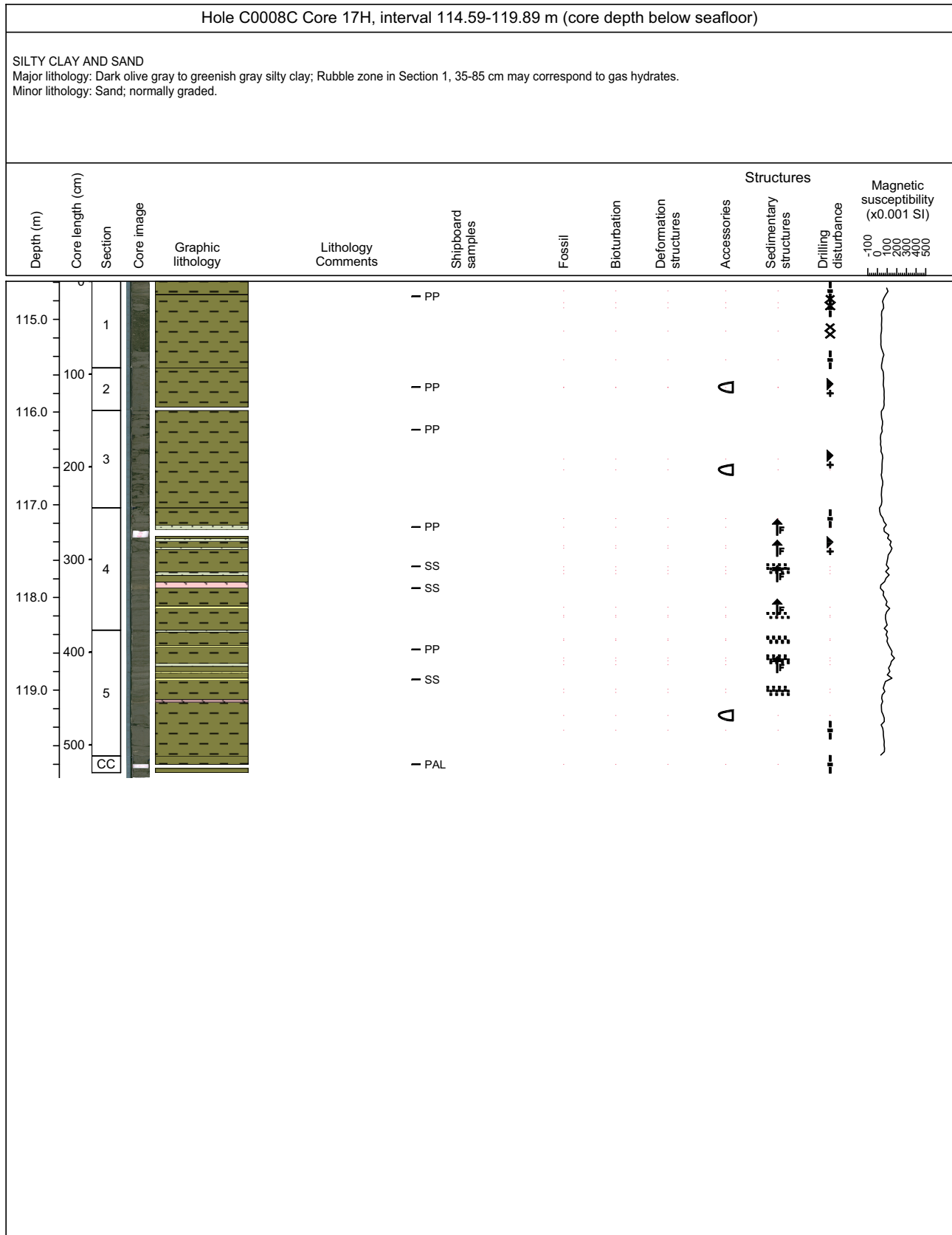
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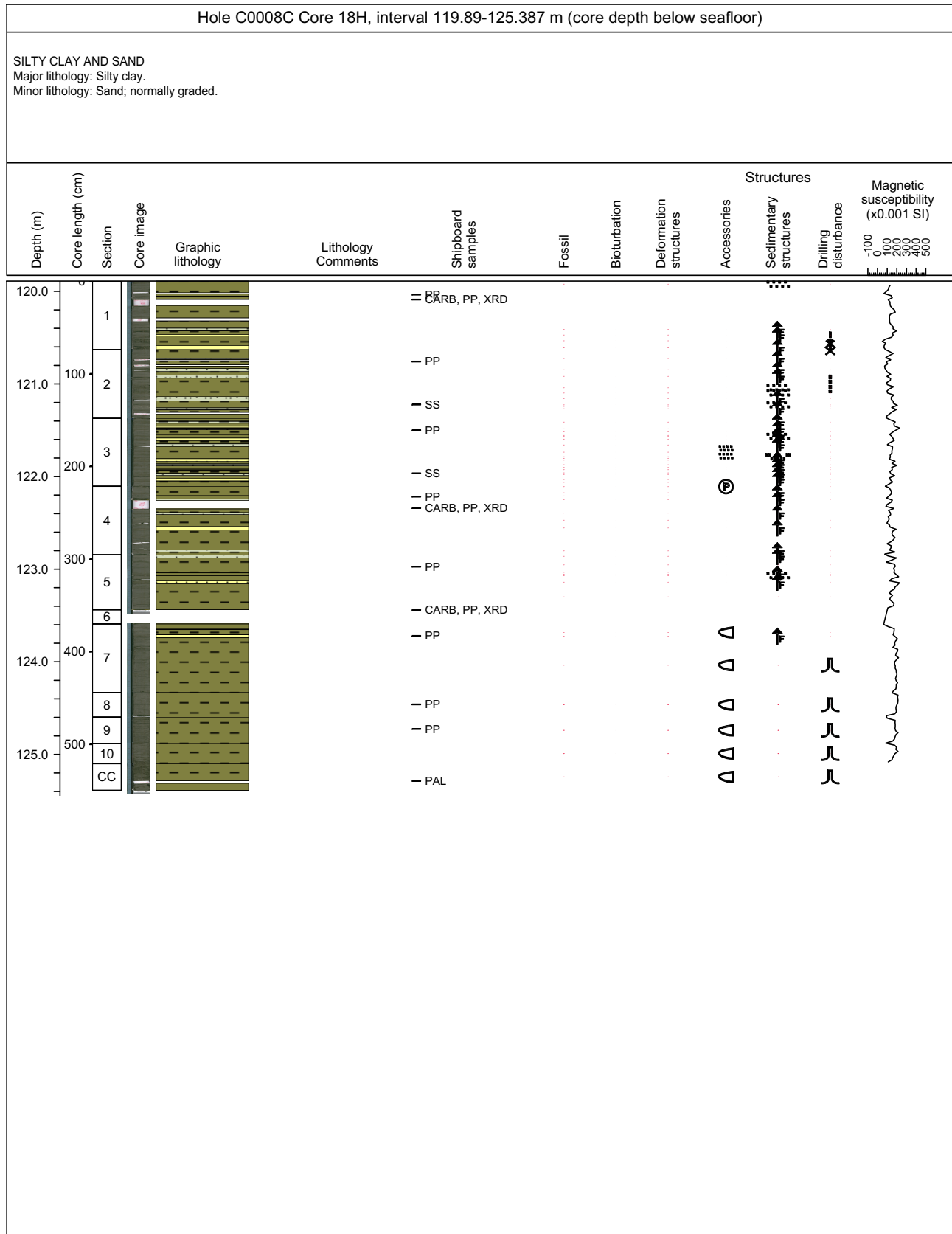
### Core Photo



### Core Photo

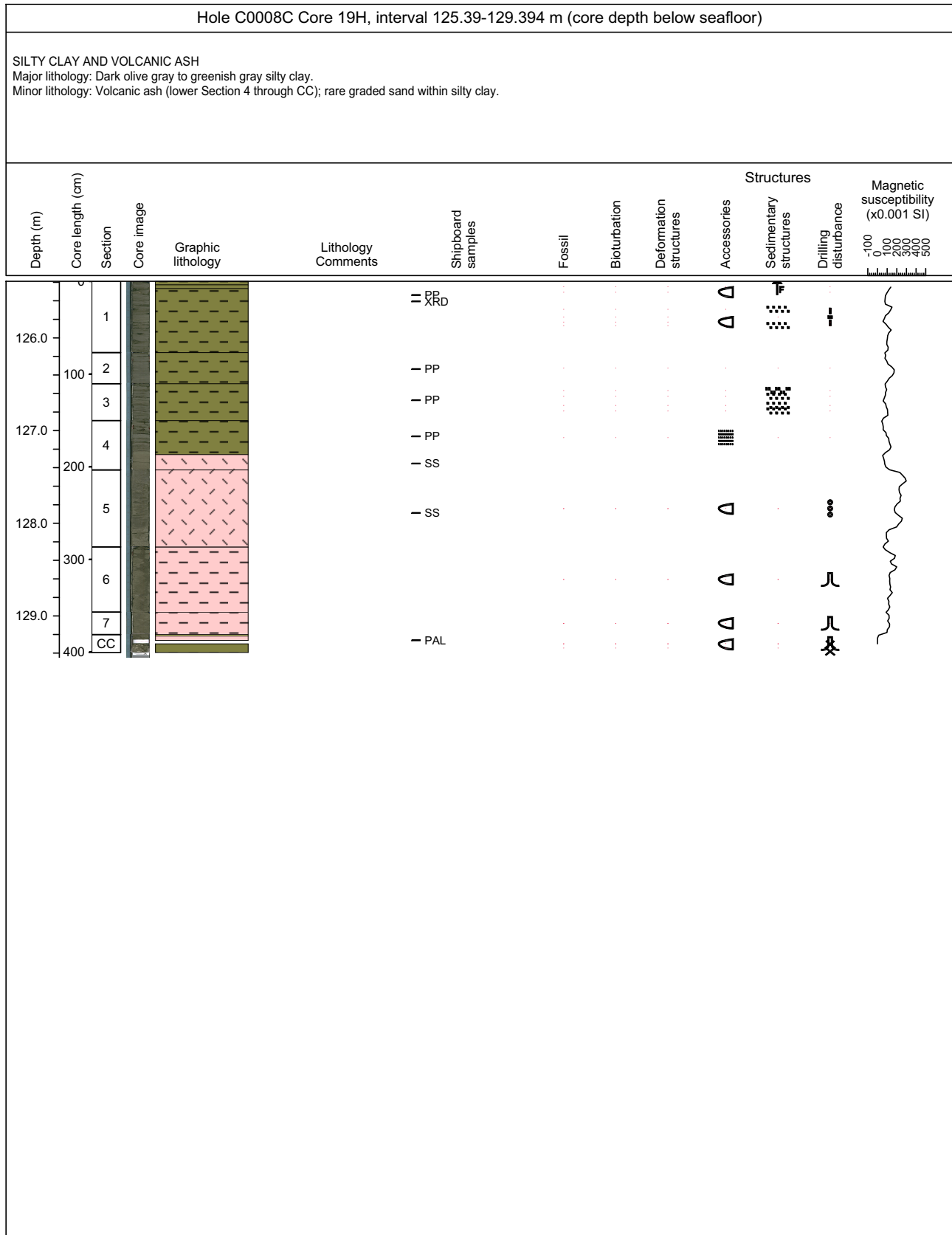


### Core Photo





### Core Photo

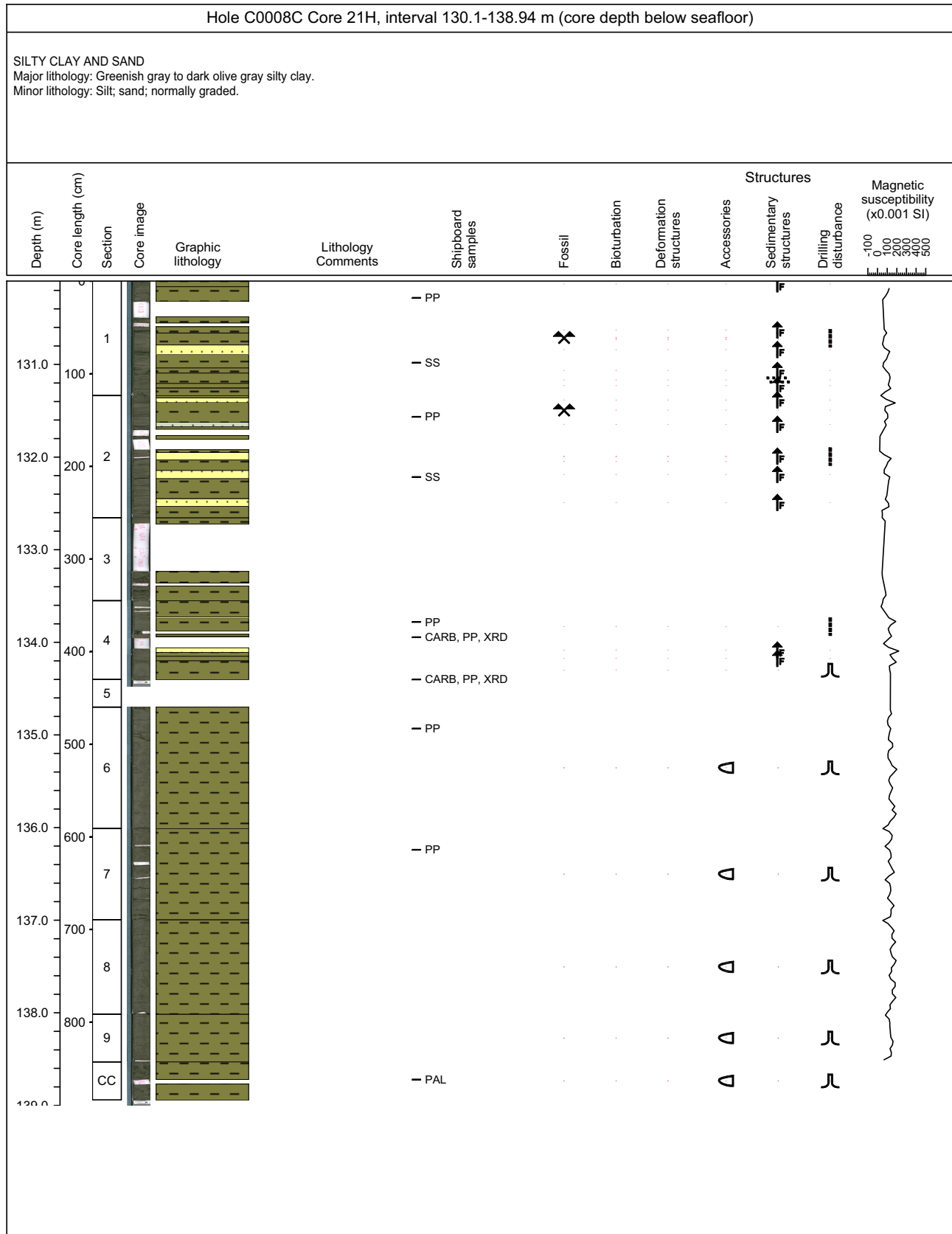


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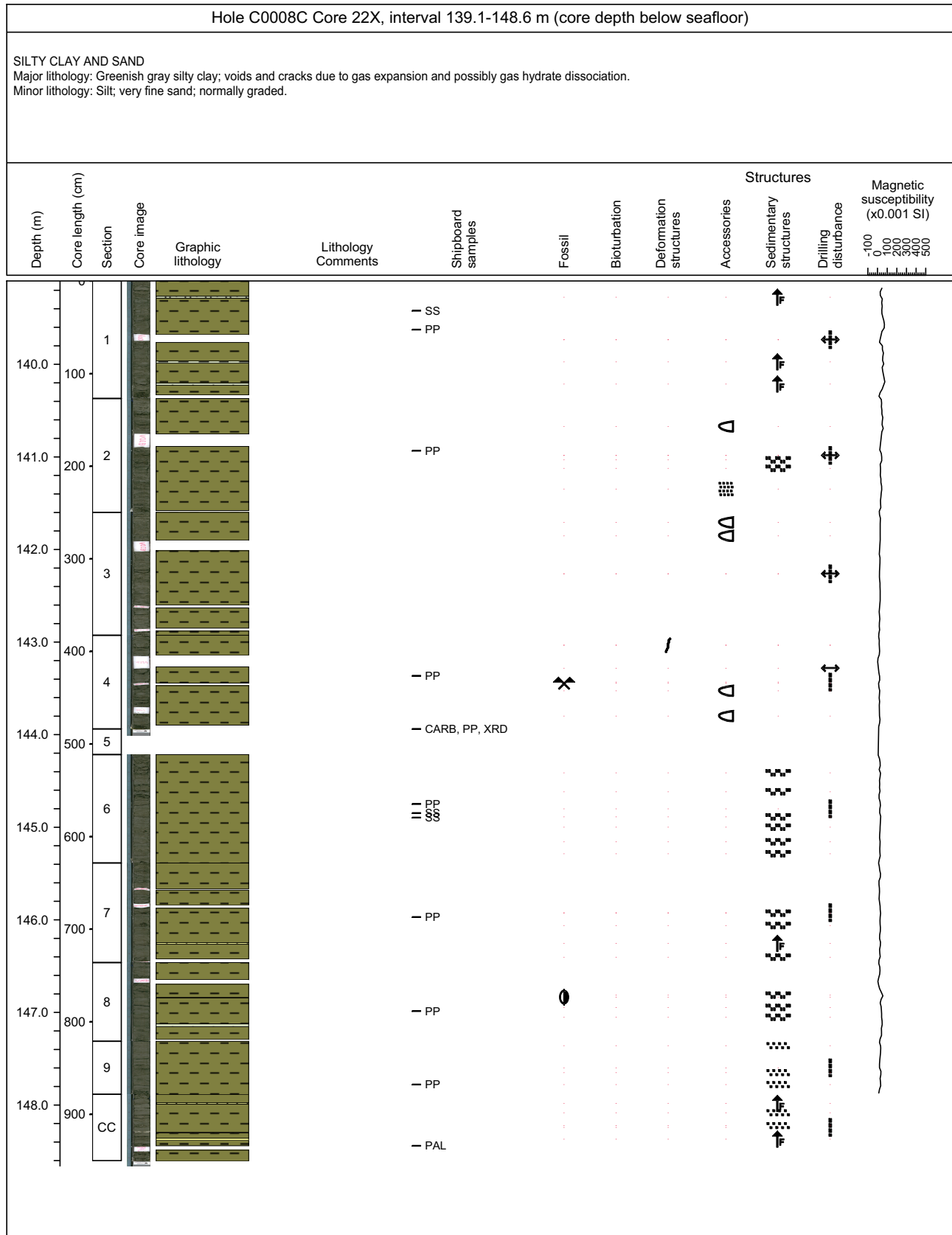
Hole C0008C Core 20H, interval 129.39-130.095 m (core depth below seafloor)												
VOLCANIC ASH AND SAND Major lithology: Volcanic ash; color bands of brown, green, pale gray. Minor lithology: Sand												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)
130.0	1	CCT			gradation from sand to sandy silt	BB PAL						



### Core Photo



### Core Photo



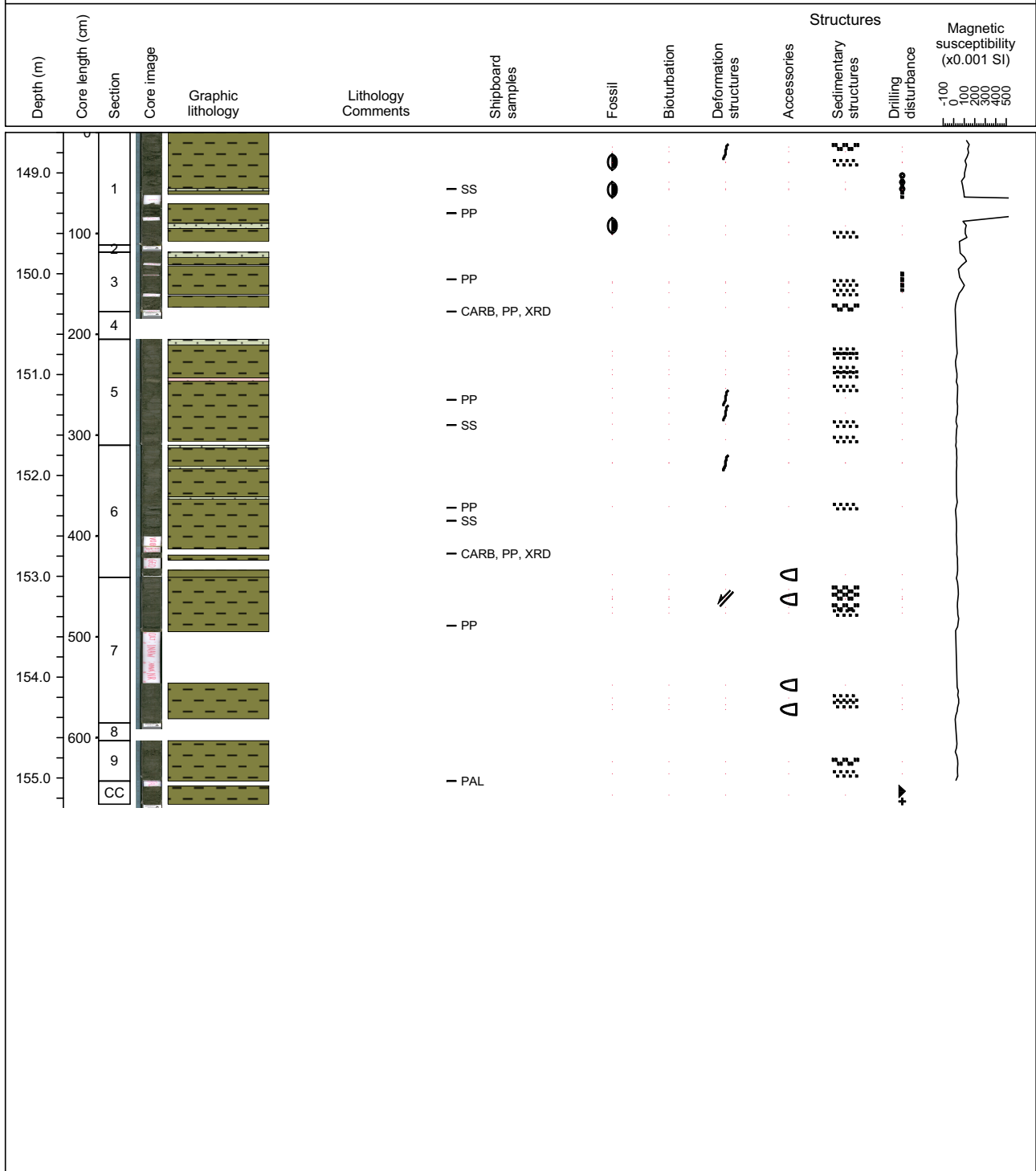
### Core Photo

Hole C0008C Core 23X, interval 148.6-155.26 m (core depth below seafloor)

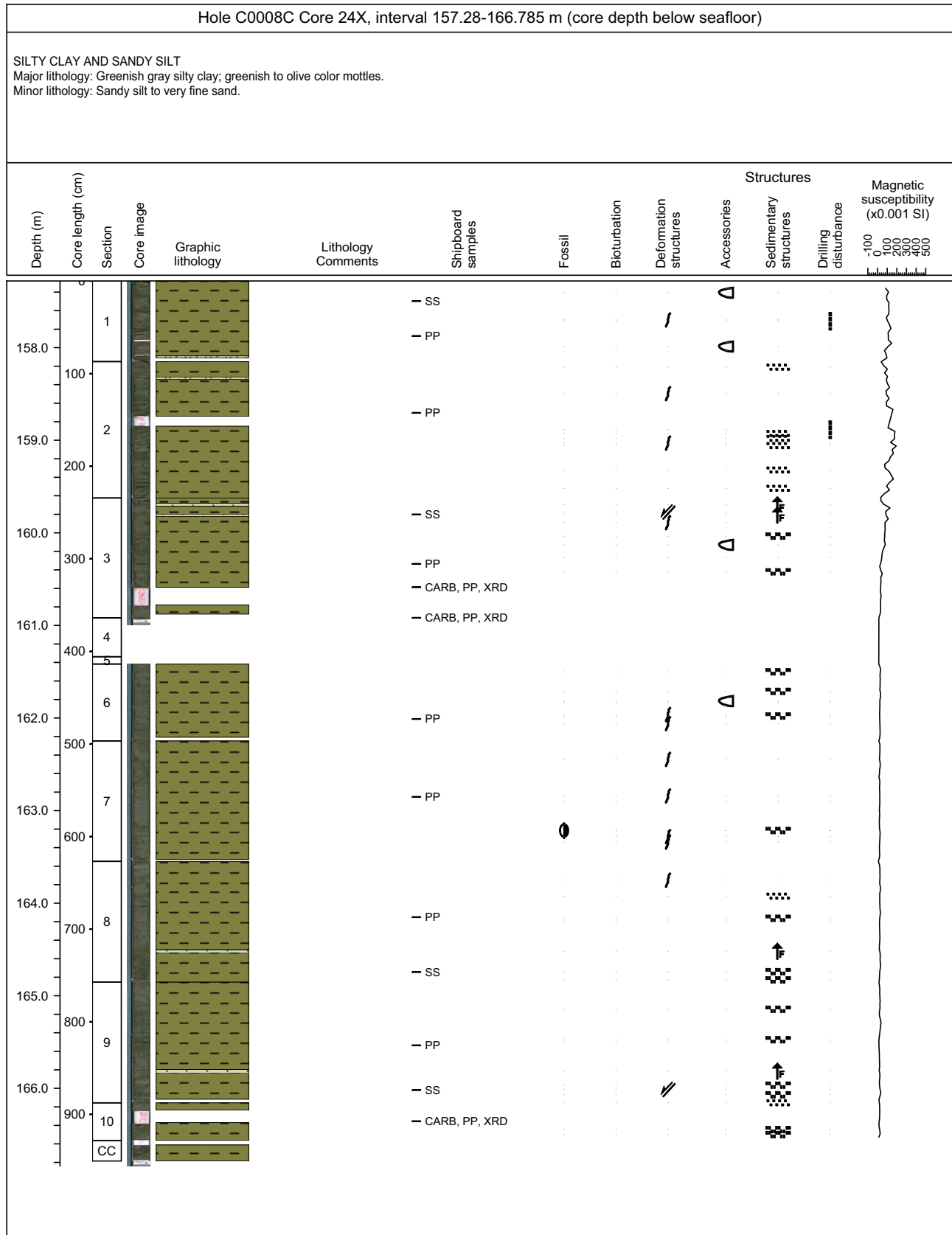
**SILTY CLAY AND SAND**

Major lithology: Greenish gray silty clay; voids and cracks due to gas expansion and possibly gas hydrate dissociation.

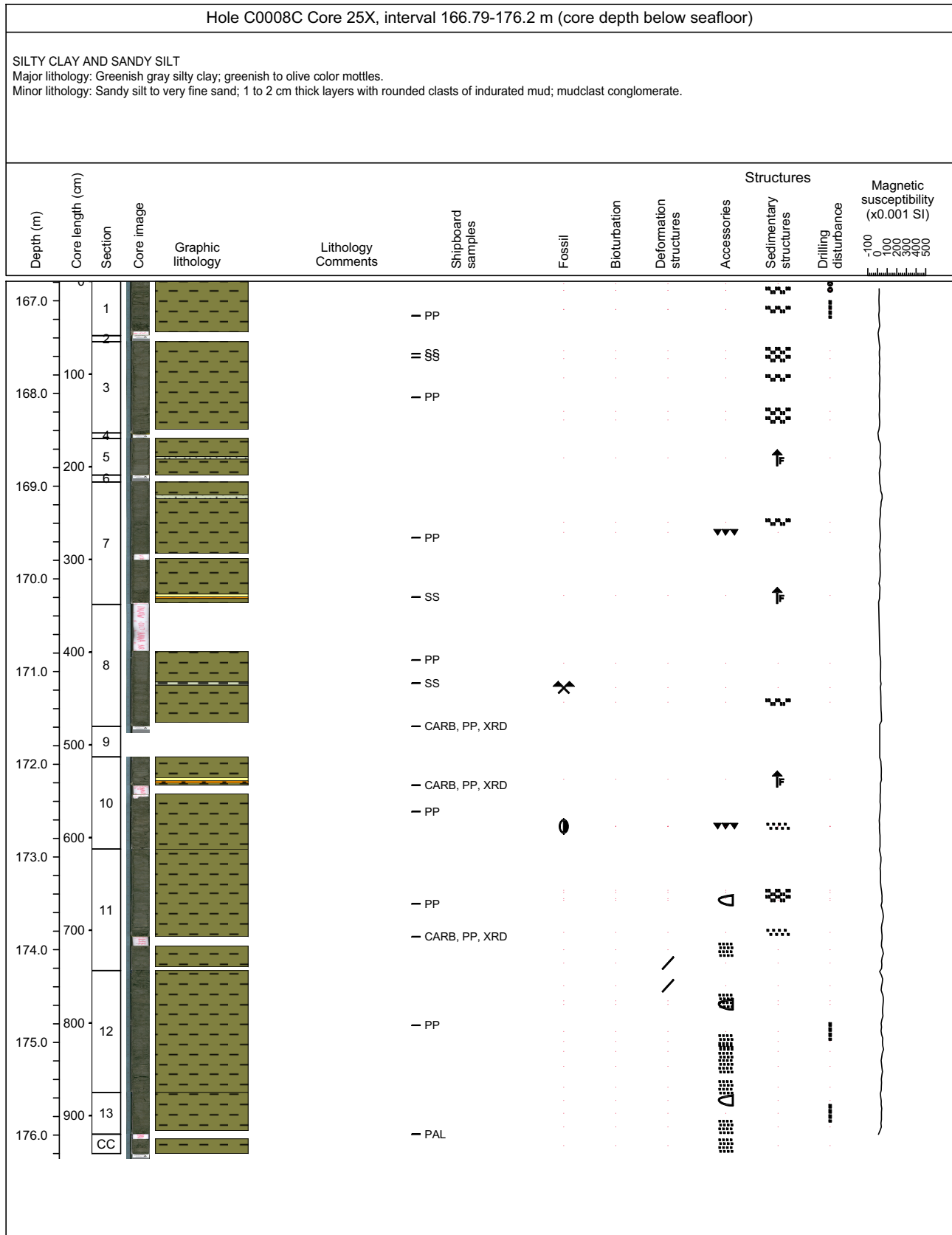
Minor lithology: Sandy silt; very fine sand; normally graded; some sand is gray and rich in foraminifers; other sands are dark gray to black and pyritized.



### Core Photo



### Core Photo





## Expedition 316 Site C0008 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.	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		
C0008A-1H-1	10	0.1	silty clay	1	29	70	C	P				D		R								C	R	C	T	T	R			red-brown organic matter		
C0008A-1H-2	10	1.505	silty clay	0	35	65	C	P				D		R								C	P	C	T	T	R					
C0008A-1H-4	10	1.955	silty clay	5	35	60	C	P			T	A										C	P	C	T	T	P			red-brown organic matter		
C0008A-1H-6	73	4.97	silty clay	5	35	60	C	P				A		R				R		P	A	P	P	T	T	R	P					
C0008A-2H-1	90	7.83	silty clay	0	20	80	C	P				D		R								A	R	R	T	T	T		R	pyrite		
C0008A-2H-1	108	8.01	silty sand	55	45	0	P											C		D										3 cm clast of ash		
C0008A-2H-3	33	8.905	sandy silt	40	45	15	C	P				C		R					C		P	P	R	T	T	T	R	A		possible mafic ash?		
C0008A-2H-6	86	13.505	fine sand	100	0	0	A	A			T							A	T									C				
C0008A-3H-1	17	15.67	silty clay	5	35	60	C	C	T	R		A		P				P			R	A	P	R	T		T	R				
C0008A-3H-1	27	15.77	impure volcanic ash	10	50	40	P	P				C		P					R		A	A	C	P	R		R					
C0008A-3H-1	127	16.77	volcanic ash	10	80	10	P	P				P							C		D	P										
C0008A-3H-4	50	19.14	silty clay	7	33	60	C	C	T	T		A		P								A	C	P	T	R	R	R				
C0008A-3H-6	15	21.535	volcanic ash	30	68	2	P	P		R									C		D											
C0008A-3H-10	77	25.185	sandy silt	39	60	1	A	A	R	P					P			A				R		T			T					
C0008A-4H-2	45	26.785	sand (vf)	70	20	10	A	A	R	R		C			C		C	C		C	P	R	R			R						
C0008A-4H-3	65	28.295	silty clay	5	35	60	P					A		P				P		A	C	R	R		R	R						
C0008A-4H-7	100	32.94	silty clay	5	35	60	C	C			R	A		P							C	A	R	P		R	P	P				
C0008A-5H-1	21	34.71	silty clay	0	25	75	C	P	T	T		A		R								A	C	P			P					
C0008A-5H-1	105	35.55	volcanic ash	65	33	2	P	P	T	P									D		A											
C0008A-5H-3	56	37.79	mafic volcanic ash	40	60	0	R	P		P									A		A								A			
C0008A-5H-6	100	41.035	silty clay	0	20	80	P	P	T			A		P							R	A	C	P			R					
C0008A-5H-CC	10	44.875	sandy silt	45	45	10	C	C	R	P		C			C		C	C		C	P							P				
C0008A-6H-1	109	45.09	sand (vf)	70	28	2	A	A		P			R		P		A	P		R			T				T	C				
C0008A-6H-2	62	45.95	sand	100	0	0	A	C		R							P	T										D			pyritized	
C0008A-6H-2	85	46.18	silty clay	0	25	75	C	P				A					P	R		P	A	T	P			T	P					
C0008A-6H-3	119	47.95	volcanic ash	70	30	0	P	C		P									D		A											
C0008A-7H-1	50	54	silty clay	0	30	70	C	C				D		R							P						R	R				
C0008A-7H-1	59	54.09	silty sand (vf)	60	40	0	A		A				R				A	R		P								P				
C0008A-7H-2	127	56.085	silty clay	1	39	60	C	C				D		R	R				P		P	P	R	T	T	T	R	R				
C0008A-7H-4	27	57.75	volcanic ash	10	90	0	P	P					R					P	P		D											R
C0008A-7H-6	42	59.26	silty clay	0	40	60	C	C				D		P				P		P	P	R	T	T	T	R	R					
C0008A-7H-6	54	59.38	sand (vf)	80	20	0	A	A					P				A	R					R									
C0008A-8H-1	73	63.73	silty clay	0	40	60	C	C				D		P						R				T	T	T	R	R			red-brown organic matter	
C0008A-8H-1	79	63.79	silty sand (vf)	55	45	0	A	A		T							A	P											P			pyrite
C0008A-8H-1	97	63.97	volcanic ash	10	90	0	P	P											C		D											white
C0008A-8H-1	97	63.97	volcanic ash	10	90	0	P	P											C		D											black; grains coated with microcrystalline pyrite
C0008A-8H-3	32	65.95	silty sand (vf)	80	20	0	A	A			T		R				A	R										P				
C0008A-8H-4	82	67.76	dispersed ash	25	70	0	C	C						P					P	C	D											
C0008A-8H-4	92	67.86	silty sand (vf)	60	35	5	A	A				P						A		R				T	T	T	R	R	P			red-brown organic matter
C0008A-8H-6	40	68.88	silty clay	0	25	75	C	P				D		P							P	C		R	T	T	R					
C0008A-8H-8	53	71.4	silty clay	0	20	80	P	P				D		P							P	P		P			P					
C0008A-8H-8	59	71.46	silty clay	0	30	70	C	C				D		R					P			P		P	T	T	R		P			red-brown organic matter
C0008A-8H-8	122	72.09	silty sand (vf)	60	40	0	A	A					P					A	P		P		R					R				
C0008A-9H-1	56	73.06	silty clay	0	45	65	A	C				D		R	P							P		P	T	T	P	R	R			red-brown organic matter
C0008A-9H-1	70	73.2	sandy silt	30	70	0	A	A					R	R				A	P		P		R	T			R	R				
C0008A-9H-4	98	77.43	silty sand (vf-f)	75	25	0	A	C					R					A	P		C							C				pyrite grain coatings
C0008A-10H-2	26	82.795	dispersed ash	0	55	45	C	P				A		R	P			P	C		C	P	R	T	T	T	R					red-brown organic matter
C0008A-10H-3	22	83.735	silty clay	5	40	55	C	C				R	A					P	R		P	P						R	R			red-brown organic matter





Expedition 316 Site C0008 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.	Glaucinite	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								
C0008A-10H-3	52	84.035	0	25	75	C	C			D					P						P	C		T													
C0008A-10H-4	64	85.305	90	10	0	A	C							P																				pyrite grain coatings			
C0008A-11H-1	10	90.6	0	20	80	P	P		T		A			R							P	A	R	P	T	T	T										
C0008A-11H-2	3	91.94	5	25	70	C	C	R	T		A			R							R	A	C	P		T	T										
C0008A-11H-7	100	98.7	85	10	5	A	A		P		P		T					A	R		C	P												P			
C0008A-12H-1	27	100.27	2	25	73	C	C	R			A			R								A	P	P		T	P	T	T					red-brown organic matter			
C0008A-12H-1	36	100.36	10	60	30	A	A	R	R		C		T								P			T	C	P	R							red-brown organic matter			
C0008A-12H-1	46	100.46	80	15	5	A	A	P	P		P		T	R							A		R	R	R	T											
C0008A-12H-CC	15	106.57	2	95	3	P	P	R	R		R									C	D	P															
C0008A-13H-3	88	113.205	2	25	73	C	C	R	T		A			P							R	A	P	P		T	P	T	R					red-brown organic matter			
C0008A-13H-6	13	115.205	10	45	45	C	C		P		A		R						C		C	P															
C0008A-13H-6	25	115.325	40	30	30	P	P		R		C			P							R	C	D				R										
C0008A-13H-6	77	115.845	95	3	2	A	A	P	C				R								P	R	P	C													
C0008A-13H-7	92	117.4	0	0	0																														wood		
C0008A-13H-8	4	117.51	20	80	0	P	P														C	D															
C0008A-15H-4	81	122.28	35	45	20	A	A	P	P		C										C	P	R				R	P	R						red-brown organic matter		
C0008A-15H-4	100	122.46	0	30	70	C	C	R	R		D										R	P	R			T	P	P									
C0008A-16H-1	29	127.76	10	45	45	C	C		C		A		P								C	P															
C0008A-16H-5	44	129.54	0	25	75	C	P				D			P							P	C		R	T	T	T	R									
C0008A-16H-CC	18	129.835	30	50	20	C	A				C		P								A		R	P		R	T	T	T	T	T				Pyrite		
C0008A-17H-3	113	133.59	40	50	10	C	A				C		P	R							A		R	P													
C0008A-17H-4	125	135.025	0	30	70	C	C				D			R							P						T										
C0008A-17H-9	126	140.31	0	25	75	C	P				D			P							P	T		P			R	T	T	R							
C0008A-18H-1	67	141.06	0	25	75	C	C				D																										
C0008A-18H-1	89	141.28	60	40	0	A	C						P	R							A		P														
C0008A-18H-2	54	142.25	45	55	0	P	P														P	D															
C0008A-19H-1	53	150.42	100	0	0	P	P						P								A	D															
C0008A-19H-3	71	152.36	0	40	60	C	P				A										C	C		P	T	T	P	R									
C0008A-19H-CC	5	152.585	60	20	20	P	P				C			R							C	D	P														
C0008A-20H-1	84	153.59	100	0	0	A	C														A																
C0008A-20H-2	54	154.595	0	30	70	C	C				D			R										P		P	T	T	P								
C0008A-20H-5	65	157.355	80	20	0	P	P																														
C0008A-21H-1	76	159.49	0	30	70	C	C	T	R		A										T		R	A	R	R											
C0008A-21H-1	87	159.6	20	60	20	A	A	R	R		C			R							P		P	C	P	T											
C0008A-21H-2	20	160.335	10	70	20	A	A	T	R		C										C		R		P	C	P										
C0008A-21H-2	116	161.295	15	83	2	R	P				R			T	T						C		D	R													
C0008A-22H-1	16	168.39	5	30	65	C	C		R		A			P								P	C	T	T												
C0008A-22H-1	17	168.4	0	30	70	C	C		T		A													C		P											red-brown organic matter
C0008A-22H-3	5	169.86	10	70	20	P	C				C										C	D	C	R	T											red-brown organic matter	
C0008A-23H-2	5	179.085	0	70	30	P	P	T	R		C			P							C	D	C	P	T												
C0008A-23H-3	52	180.87	90	10	0	A	A		C				R								R	C		R													
C0008A-23H-6	20	182.515	75	25	0	C	C	R						P							D	C		P	T												
C0008A-23H-6	135	183.665	90	10	0	A	C	T	P				R									A	C	P													
C0008A-23H-CC	5	186.155	100	0	0	P	C						P								P	C	C		R											many opaques may be basalt clasts	
C0008A-24H-3	20	189.185	70	30	0	C	C														P	C	D														
C0008A-24H-4	100	191.305	0	40	60	C		C			D			P							R		P	P	T	R	T	T	T								
C0008A-25H-1	79	197.52	0	45	55	C	C				A			P								C	C														
C0008A-25H-1	89	197.62	40	55	5	C	C				P		P	P	P						A	P	C	P	R											lithic ID very uncertain due to clay alteration	
C0008A-25H-1	112	197.85	5	75	0	P	P															P	D														



Expedition 316 Site C0008 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.	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					
C0008A-25H-4	60	200.14	silty clay	0	45	55	C	C				D						P	P	C										red-brown organic matter					
C0008A-25H-4	69	200.23	sandy silt	40	60	0	A	A						P				A	A	C								C							
C0008A-26H-1	27	201.16	silty clay	0	35	65	C	C				D		T	R						C			R											
C0008A-26H-1	37	201.26	sandy silt	40	60	0	A	A									P	P	C									A		abundant pyrite in spiky crystals					
C0008A-26H-3	15	202.685	clayey silt	0	60	40	C	C				A			R			P	P	C	A	P				P									
C0008A-26H-3	35	202.885	dispersed ash	5	60	35	P	P				A						C	A	C															
C0008A-26H-4	30	203.215	volcanic ash	60	40	0	P	P						R					A	D		R													
C0008A-26H-8	10	204.715	volcanic ash	10	90	0	P	P										C	D		P														
C0008A-27H-1	83	219.09	silty clay	0	35	65	C	C				D			R			P			P	T	P	T	T	P					lithic ID very uncertain due to clay alteration				
C0008A-27H-1	92	211.31	sandy silt	30	70	0	C	C					P					A	C		P											lithic ID very uncertain due to clay alteration			
C0008A-27H-1	98	211.37	silty clay	0	30	70	C	C				D						P			P														
C0008A-27H-6	10	216.035	silty clay	0	45	55	C	C				D			R			P		C			R				R	R							
C0008A-28H-1	49	220.38	silty clay	0	40	60	C	C				D						P	T	C	P		P	T	T	P	R					red-brown organic matter			
C0008A-28H-1	55	220.44	sandy silt	40	60	0	A	A																											
C0008A-28H-4	93	223.45	silty clay	0	40	60	C	C				D						P		C															
C0008A-29X-1	16	224.91	silty clay	0	35	65	C	C	T	R		D								P															
C0008A-29X-3	59	227.52	foraminifer sand	60	35	5	C	C		R		R									P	D													
C0008A-29X-6	113	230.705	mafic volcanic ash	25	55	20	C	C		P	C								C	A															
C0008A-30X-1	70	234.95	silty claystone	0	25	75	P	C		T	D									P	P						T	P							
C0008A-30X-4	39	237.68	clayey silt	10	50	40	A	C		P	A			R				P		R	C	R	P				R	C							
C0008A-30X-4	41	237.7	fine sand	50	35	15	A	A		P	C							P		P	P	P	T				T	C							
C0008A-30X-CC	17	242.855	sandy claystone	30	10	60	P	A				D							P		R			R			R	P							
C0008A-31X-1	9	243.84	silty clay	2	40	58	C	C	R	R		A								P	C		P				R	P	R					red-brown organic matter	
C0008A-31X-1	94	244.69	silt-clay	10	40	50	C	C		R	A			R				P		P	C		P		T	P	P								
C0008A-31X-1	117	244.92	silt-clay	10	40	50	C	C	R	R		A						R		P	C	C	R				R	P	R					red-brown organic matter	
C0008A-32X-2	4	254.54	ash-bearing silty clay	5	30	65	C	C	R	R		D								C								R							
C0008A-32X-2	10	254.6	silty clay clast	0	25	75	C	C		R	D									R							T	R							
C0008A-32X-6	52	260.285	sand-silt-clay	45	20	35	A	C		P	A						R	R		R							R	C						many opaques may be basalt clasts	
C0008A-32X-9	111	263.51	silty clay	15	40	45	C	C			A		P		C				C									P						near-opaque grains may be clay-clasts or basalt clasts	
C0008A-32X-10	25	263.97	silty clay	10	40	45	C	C			A		P		P				P	C	R							P						near-opaque grains may be clay-clasts or basalt clasts	
C0008A-33X-1	18	262.93	silty clay	15	40	45	C	C			A		R	R	C				P		P	R													
C0008A-33X-2	20	264.265	sandy silt	40	60	0	A	A								P		C	C	C								P							
C0008A-33X-5	5	267.08	silty clay	0	45	55	C	C				D		P		P		C	T	C	R														red-brown organic matter
C0008A-33X-7	18	269.2	silty clay	5	25	70	C	C				D			R	P					P														
C0008A-34X-1	8	272.33	silty clay	0	45	55	C	C				A		R	P	P				P	P						T	R						red-brown organic matter	
C0008A-34X-1	33	272.58	pebble																																microcrystalline calcite
C0008A-34X-CC	10	272.93	silty clay	5	35	60	C	C				D			R	P		P	P	C															abundant red-brown organic matter; visibly brown in core
C0008A-34X-CC	27	273.1	sandy silt	25	60	15	A	A				C		P	R	P			C	P	C							P	P						
C0008A-34X-CC	34	273.17	dispersed ash	0	60	40	P	P				A								A															
C0008A-35X-1	1	281.76	silty clay	0	25	75	C	C				D		P							P	P													
C0008A-35X-CC	32	282.305	sand (m)	100	0	0	C	C					A															A							
C0008A-36X-1	11	291.36	silty clay	0	30	70	C	C				D							P		P	P													
C0008A-36X-1	21	291.46	silty sand (vf)	70	30	0	C	A					P						P	P								A							
C0008A-38X-1	5	310.3	silty clay	0	25	75	C	C				D			P						P	R													
C0008A-38X-1	30	310.55	sand (f)	100	0	0	C	C					C						P								A								
C0008A-40X-CC	5	329.3	sand (f)	100	0	0																													too lithified for smear slide; scrapings show that cement is microcrystalline calcite (HCl reactive)
C0008B-1H-1	12	0.12	silty clay	5	35	60	C	C		R	A										R	A	A	P	T	T	P	R							



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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.	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					
C0008B-1H-1	100	1	black ash/sand clast	50	34	16	A	A		P	C	P								C	C	P	P												
C0008B-1H-2	33	1.745	volcanic ash	20	79	1	P	C			R								C		D	R													
C0008C-1H-2	109	2.51	dispersed mafic ash	20	60	20	C	C	R	R	C								A		C	P	P	P			P	P							
C0008C-1H-2	63	0.63	silty clay	5	35	60	C	P	T	R	A										R	A	A	P	T	T	P	T							
C0008C-2H-1	12	5.63	silty clay	5	40	65	C	C			A				P						P	C	P	P	R	T	R								
C0008C-2H-9	11	13.67	silty clay	0	40	60	C	P			A				P						C	P	C	P	T	T	R								
C0008C-3H-1	12	15.13	silty clay	0	30	70	C	C			D				P							C	R	T	T	T	T	P		pyrite					
C0008C-3H-2	71	17.06	sandysilt	25	75	0	A	A		R			R																						
C0008C-3H-9	116	24.435	volcanic ash	1	84	15	R	R			C										P	D	R												
C0008C-3H-10	24	24.825	volcanic ash	5	95	0	P	P																											
C0008C-4H-1	14	24.65	silty clay	0	35	65	P	P			D				R						C	P		R	T	T	P	R		pyrite					
C0008C-4H-1	34	24.85	silty clay	0	25	75	C	C			D				R							P		P	T	T	P								
C0008C-4H-4	34	28.415	wood fragment pyrite																												D	wood fragments			
C0008C-5H-2	44	34.835	silty clay	3	30	67	C	C	T		A										P	A	P	P			R	P	T		red-brown organic matter				
C0008C-5H-2	57	34.965	volcanic ash	5	75	20	C	C			P										C	D	C	R	R										
C0008C-5H-2	64	35.035	dispersed ash	5	65	30	C	C	T	R												A	C	R	P							includes blue amphibole			
C0008C-5H-7	40	39.695	silty clay	5	35	60	C	C		R	A											C	C	R			R	P			pyrite				
C0008C-5H-7	47	39.765	pyritized sand	30	65	5	A	C		R	P																				pyrite				
C0008C-5H-7	50	39.795	silty clay	0	25	75	C	C	T	D												P	C	R			T	P			pyrite				
C0008C-5H-8	92	41.52	fine sand	80	20	0	A	A	R	P			T									R	R	R	R						includes blue amphibole?				
C0008C-6H-6	50	49.555	silty clay	2	30	68	C	C	R		D											P	R	C	C	P			R	P					
C0008C-6H-8	31	51.985	sand (f)	90	10	0	A	A	P				T																						
C0008C-7H-2	38	54.04	volcanic ash	5	80	15	P	P			C																					R	pyrite		
C0008C-7H-2	64	54.3	silty clay	0	30	70	C	C			D				R							P	P		R	T	T	R							
C0008C-7H-6	115	58.345	sand (vf)	100	0	0	C	C																							D	heavily pyritized as grain coatings and disseminated pyrite			
C0008C-9H-1	63	68.14	silty clay	0	35	65	C	C			D				P							C	P		P							red-brown organic matter			
C0008C-10H-2	98	78.3	silty clay	5	20	75	C	C			D				R							P	C	R	R	T	T	T	R						
C0008C-10H-2	105	78.37	silty clay	0	35	65	C	C			D																						tan color		
C0008C-10H-3	110	79.655	sandy silt	30	70	0	P	C																									dominated by brown basaltic glass		
C0008C-10H-5	6	80.93	silty sand (vf)	80	20	0	A	A					R	R																		possible shallower water forams; echinoderm spine; some skeletal fragments appear to have cement			
C0008C-11H-1	27	82.78	silt-volcanic ash	2	90	8	C	P			C				R																				
C0008C-11H-4	23	83.78	clayey silt	0	55	45	C	C			A											C	C	R	P	T	T	R				T	red-brown organic matter		
C0008C-11H-5	77	84.99	clayey silt	0	55	45	C	C			A											C	R	P	P	P	T	T	P						
C0008C-11H-11	90	89.23	silty fine sand	60	40	0	C	A														C	C	P		R					A	T	red-brown organic matter		
C0008C-12H-1	10	90.21	silty clay	0	30	70	C	C			D																						pyrite and red brown organic matter		
C0008C-12H-1	17	90.28	silty sand (v.f.)	40	60	0	C	A					R																				pyrite and rare red brown organic matter		
C0008C-12H-1	19	90.3	silty clay	0	35	65	C	C			D				P							C	P	R	P	T	T	R							
C0008C-12H-3	4	91.64	volcanic ash	10	90	0	P	P							R																				
C0008C-13H-5	52	92.815	sandy silt	25	75	0	A	A			R																						A	pyrite	
C0008C-13H-5	85	93.145	silty clay	0	30	70	C	C			D																								
C0008C-13H-5	89	93.185	clayey silt	0	65	35	C	C			A				R							C	C	P	R								C	pyrite	
C0008C-13H-9	60	95.705	silty clay	0	25	75	C	C			D				R							P	C		R	T	T	R				T	red-brown organic matter		
C0008C-14H-3	95	100.52	silty clay	0	35	65	C	C			D				R																				
C0008C-14H-3	125	100.82	dispersed ash	5	50	45	C	C			A				P																			R	pyrite
C0008C-14H-5	56	102.225	sand-silt-clay	30	40	30	C	C			A				R							C	C	P										R	pyrite
C0008C-14H-8	40	104.04	volcanic ash	25	65	10	P	P			C																								
C0008C-15H-3	31	102.44	silty clay	0	35	75	C	C			D				R																				pyrite



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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.	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					
C0008C-16H-6	106	113.625	silty clay	0	30	70	C	C		R								C			P	C					R	R	R	red-brown organic matter					
C0008C-17H-4	70	118	silty clay	0	30	70	C	C		R		D							R		P														
C0008C-17H-4	96	118.26	volcanic ash	20	70	10	P	P			P								C		D	C					R	R							
C0008C-17H-5	59	119.355	very fine sand	55	45	0	A	C		P			R		R			A	C				T			T	P								
C0008C-18H-2	106	122.27	very fine sand	80	20	0	C	C					P					A	P		P														
C0008C-18H-3	106	123.595	silty clay	0	30	70	C	C				D						P			C			P	T	T	R								
C0008C-19H-4	60	127.935	dispersed ash	5	60	35	P	P				A		P				P	P		A	P								R	pyrite				
C0008C-19H-5	60	128.625	dispersed ash	20	50	30	P	P			C			P					C		A	C		R	T	T	T								
C0008C-20H-1	27	129.66	dispersed basaltic ash	15	75	10	C	C			C			P					C		A	P		P	T	T	R	R							
C0008C-20H-1	80	130.19	silty clay	5	40	55	C	C			A			R				P			C	P		P	T	T	T								
C0008C-21H-1	88	130.98	silty clay	0	25	75	P	C				D		P							C	P		P	T	T	T								
C0008C-21H-2	88	132.215	silty clay	15	30	55	C	C			A							P	P		P	P		R	T	T	T	P							
C0008C-22X-1	33	139.43	silty clay	0	35	65	C	C				D		P					C		P	P		P	R	T	R								
C0008C-22X-6	65	145.01	silty clay	2	43	55	C	C			A		R	R				C	P		R	P		R	T	T	T	R							
C0008C-22X-6	70	145.06	sandy silt	30	70	0	A	A					P					A	P		P			T	T	T	T	P							
C0008C-23X-1	56	149.16	sand silt clay	50	25	25	A	A			A			P					C		C	R	P	R	T	T	T								
C0008C-23X-5	85	151.5	sandy silt	25	75	0	A	A										A	P		C														
C0008C-23X-6	75	152.45	silty clay	0	25	75	C	C				D		P							R	R		R				T	R						
C0008C-24X-1	22	157.5	silty clay	0	25	75	C	C				D							P		P			R	T	T	T								
C0008C-24X-3	18	159.83	sandy silt	25	70	5	C	C			P		R		C		C	C	P		C	R		T	T	T	R	C							
C0008C-24X-8	121	164.83	sand silt clay	50	30	20	C	C			C		P		C		C	C		P		R						C	P						
C0008C-24X-9	118	166.12	silty clay	0	25	75	P	P				D						P			P	R		T	T	T	R								
C0008C-25X-3	13	167.57	silty clay	0	30	70	C	C				D			P						C	R		R	T	T	T	R							
C0008C-25X-3	17	167.61	silty sand (vf)	50	40	10	C	C			C		P		C		C	C		C		T	R	T	T	R		P							
C0008C-25X-7	124	170.195	silty sand (vf)	50	40	10	C	C			C		R		C		C	P		C	P	R	T	T	T	T	R	R							
C0008C-25X-8	85	171.125	silty sand (vf)	60	30	10	C	C			R	C		P		C		P	C		C	R	T	T	T	T	T	C	P						