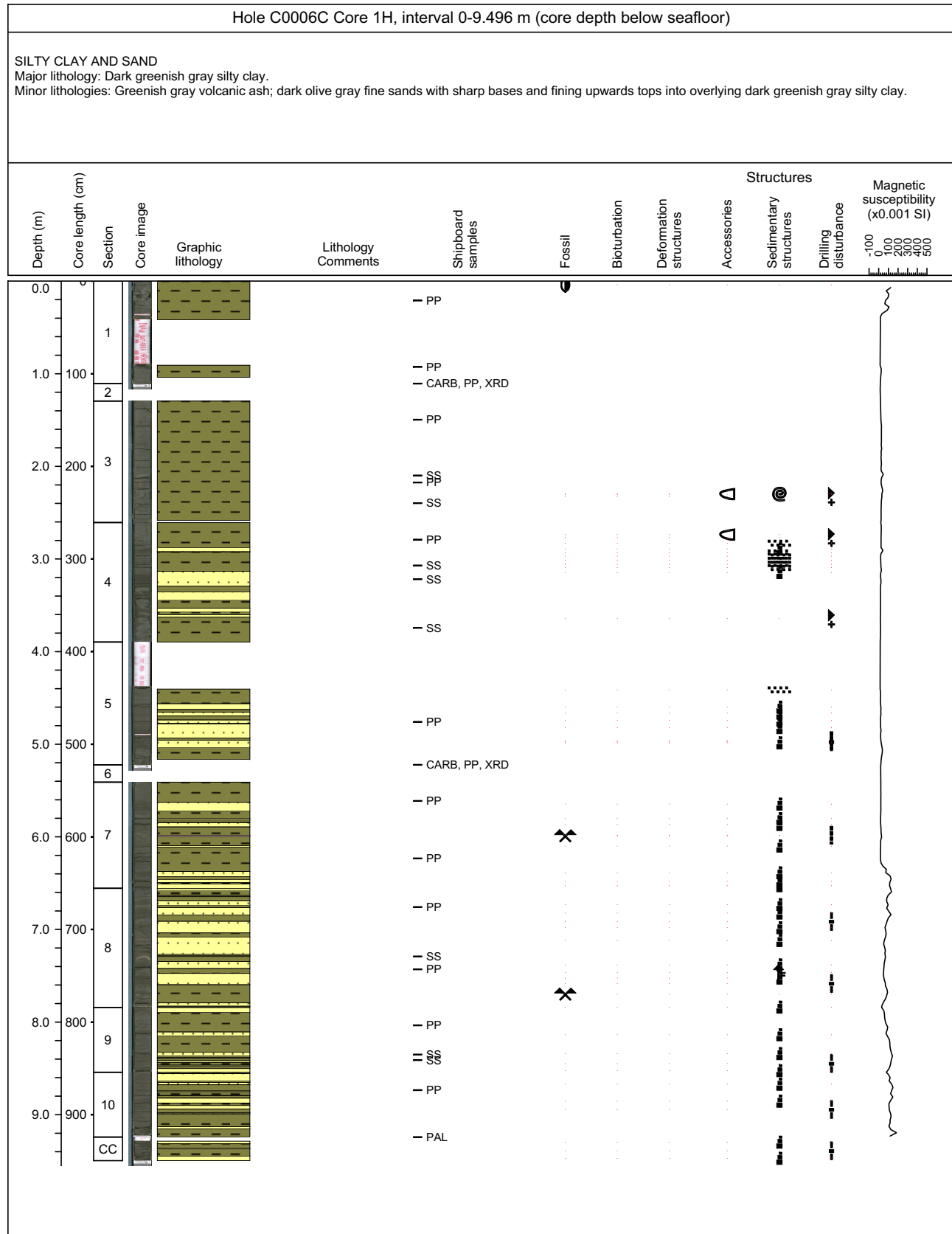
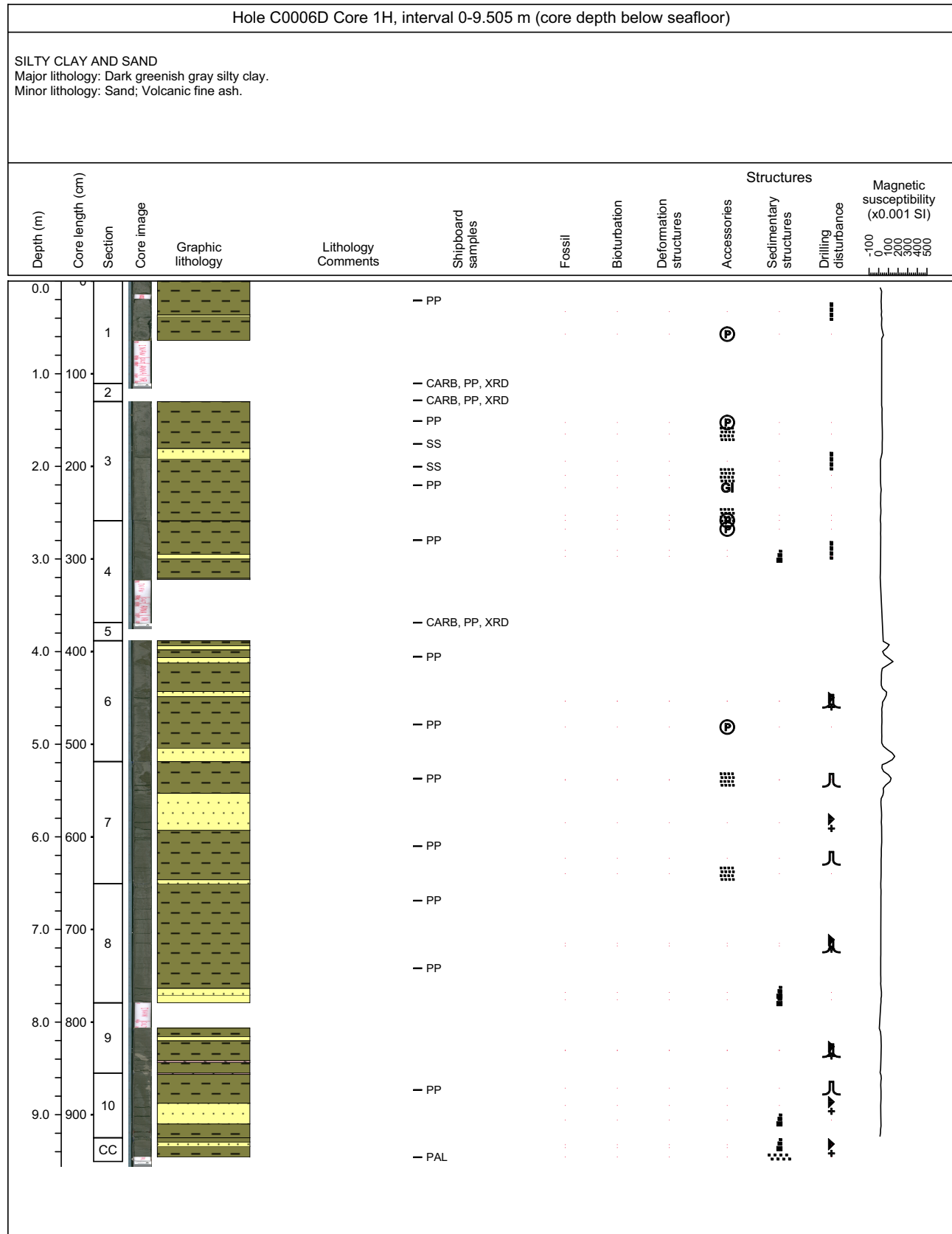


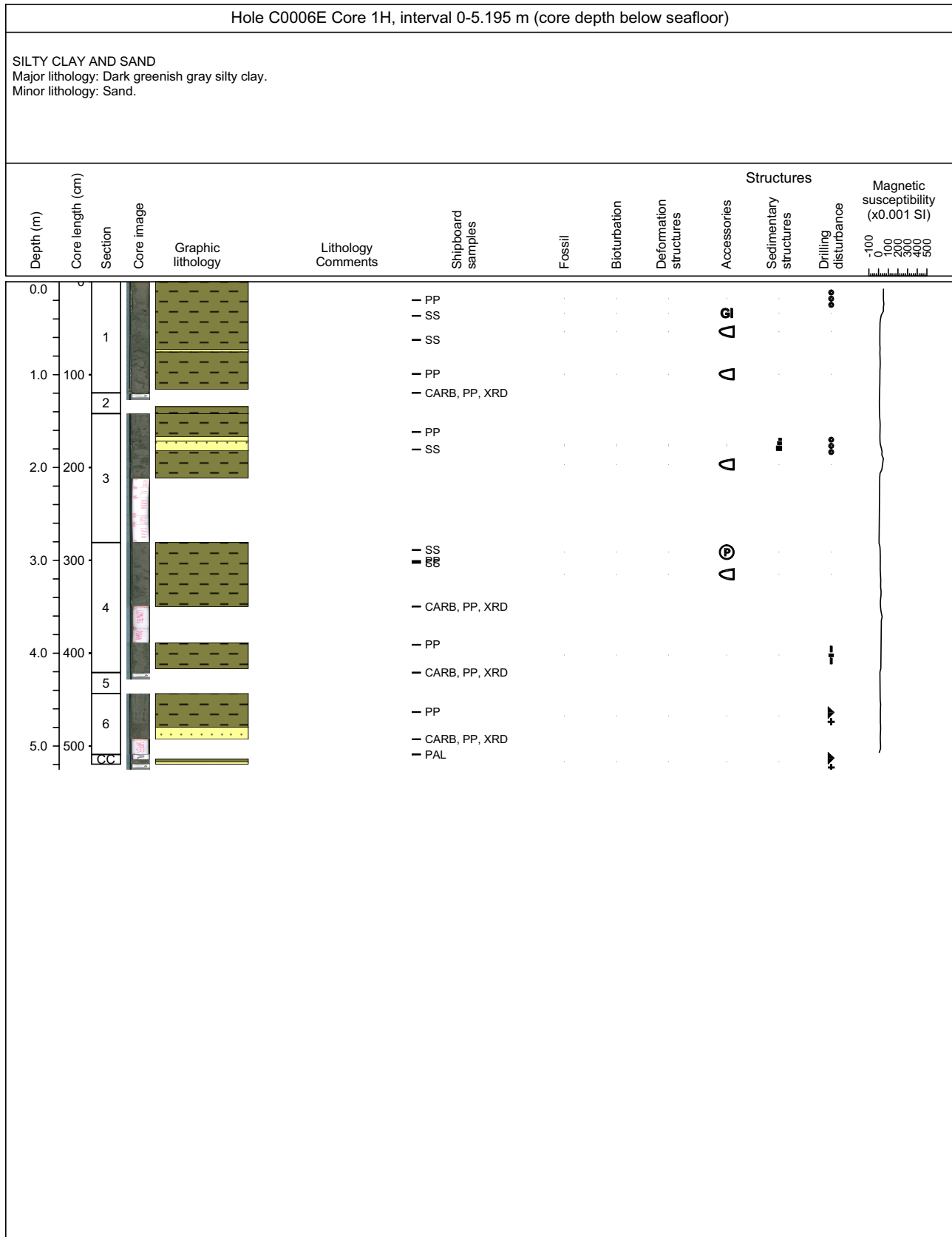
Core Photo



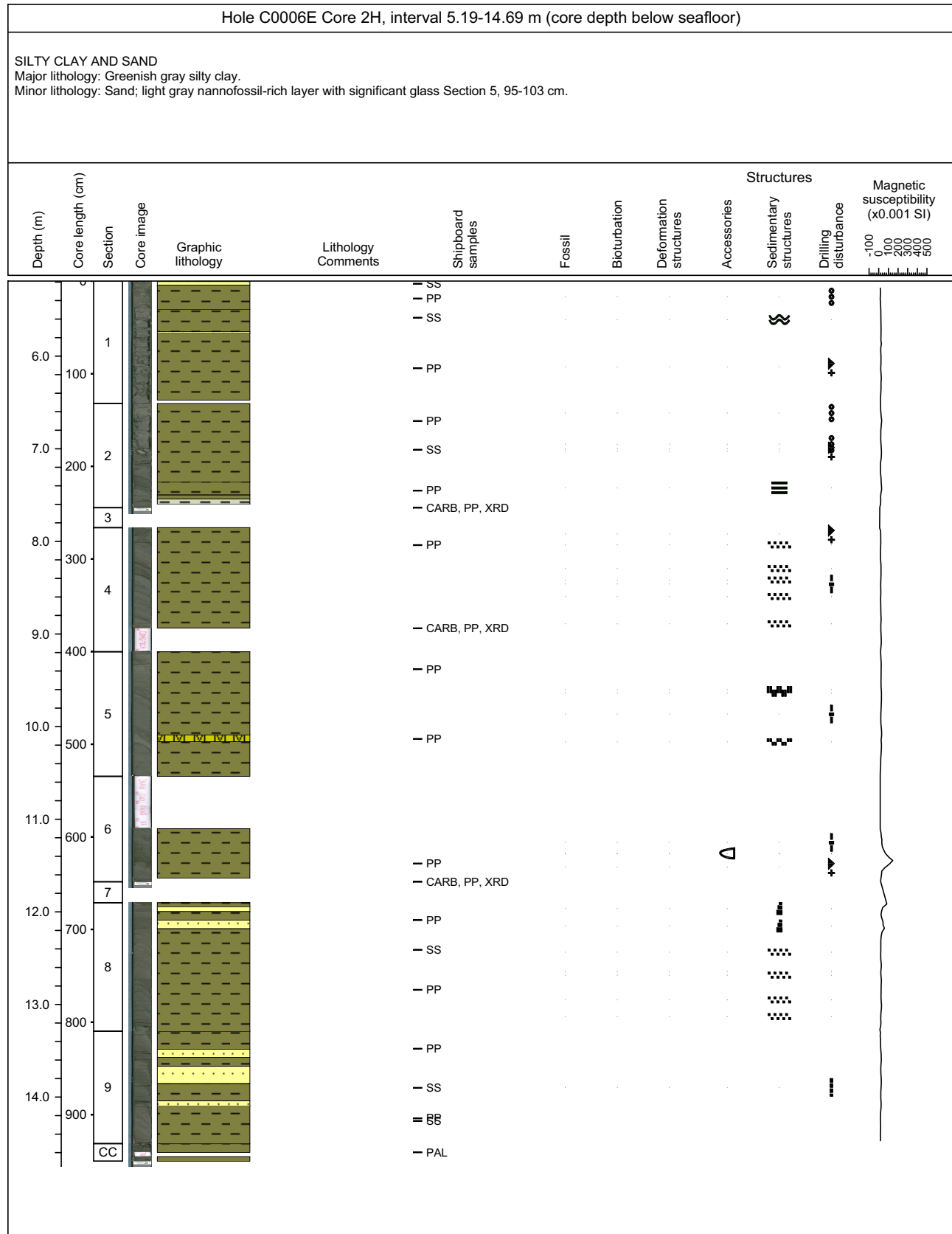
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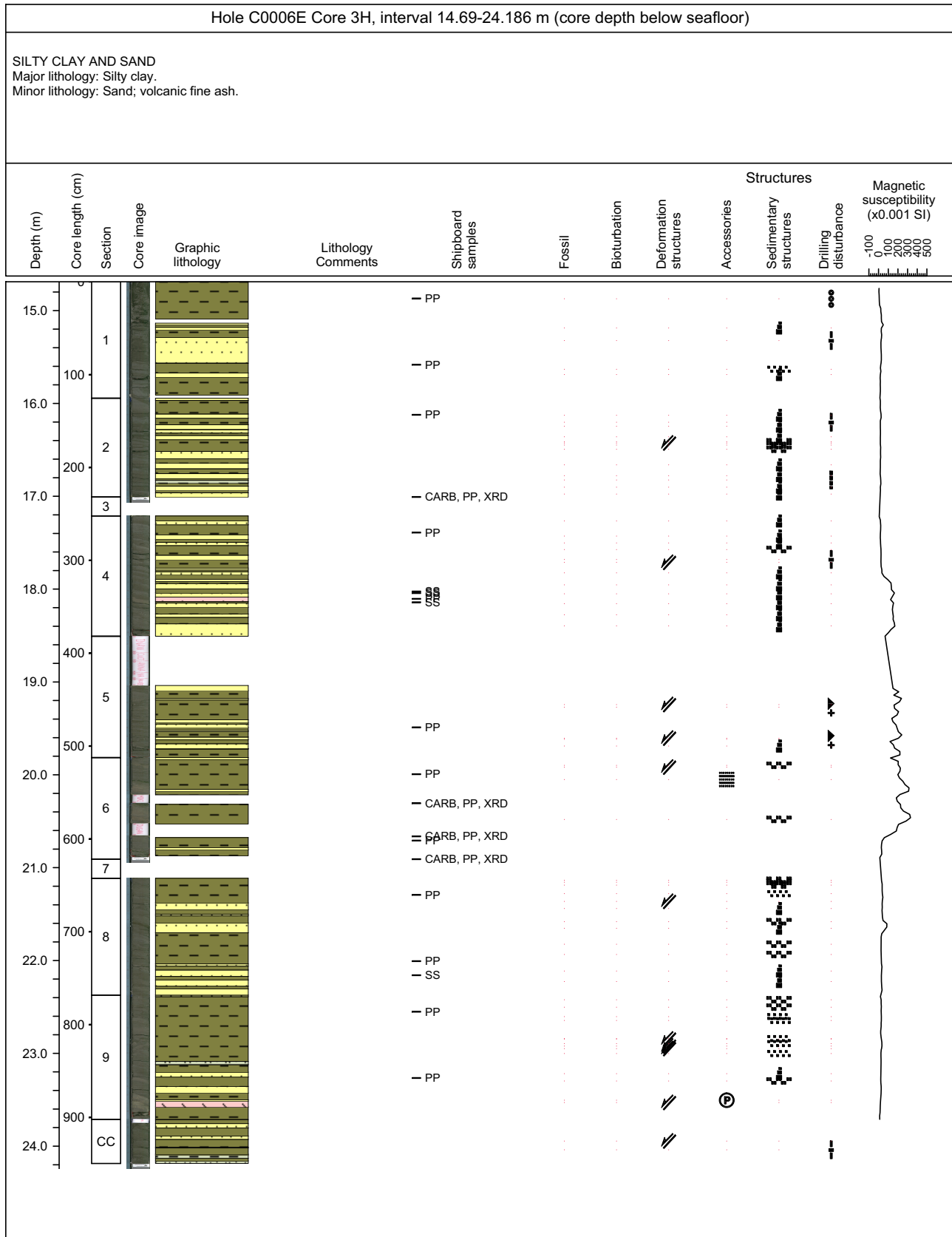
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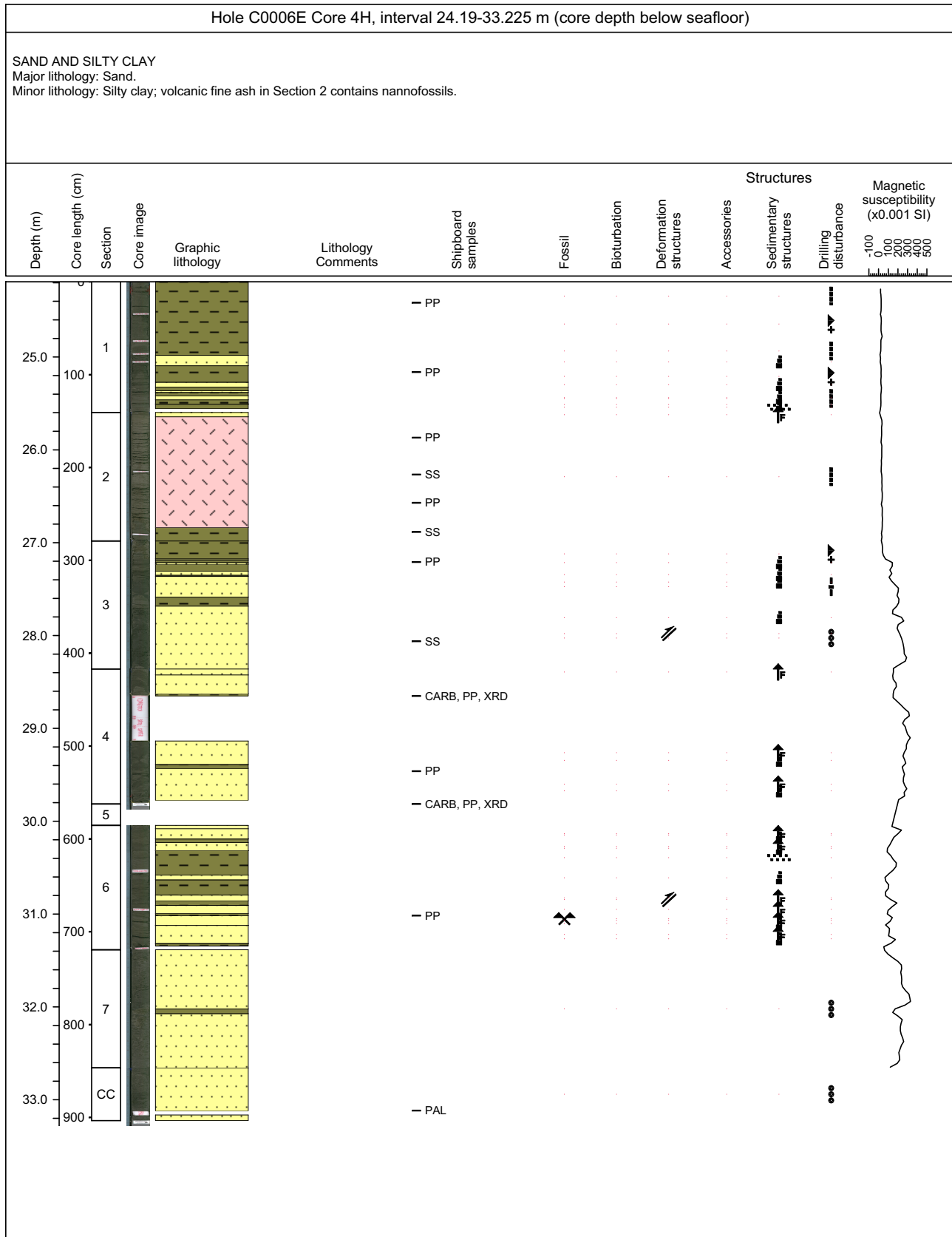
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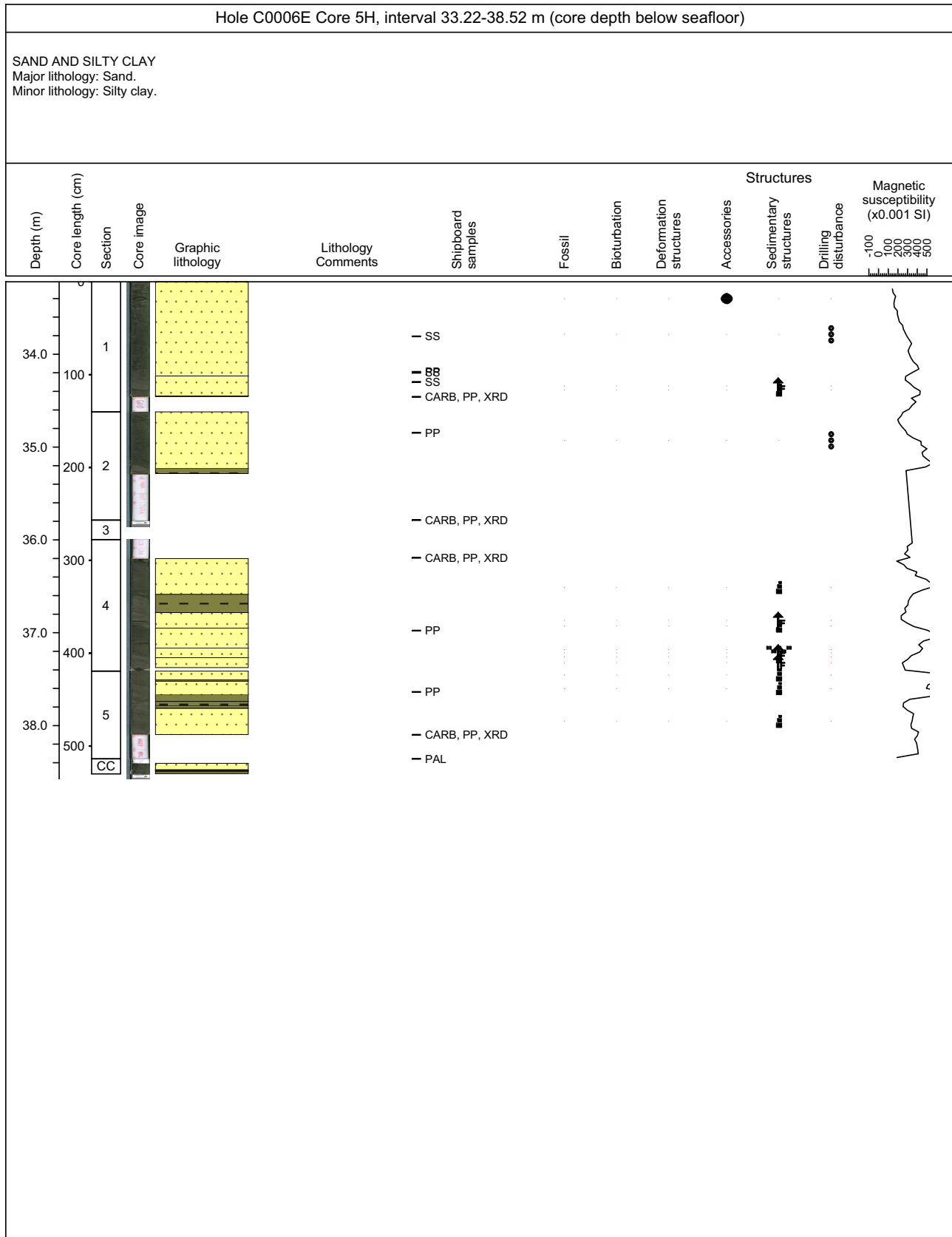
Core Photo



Core Photo



Core Photo

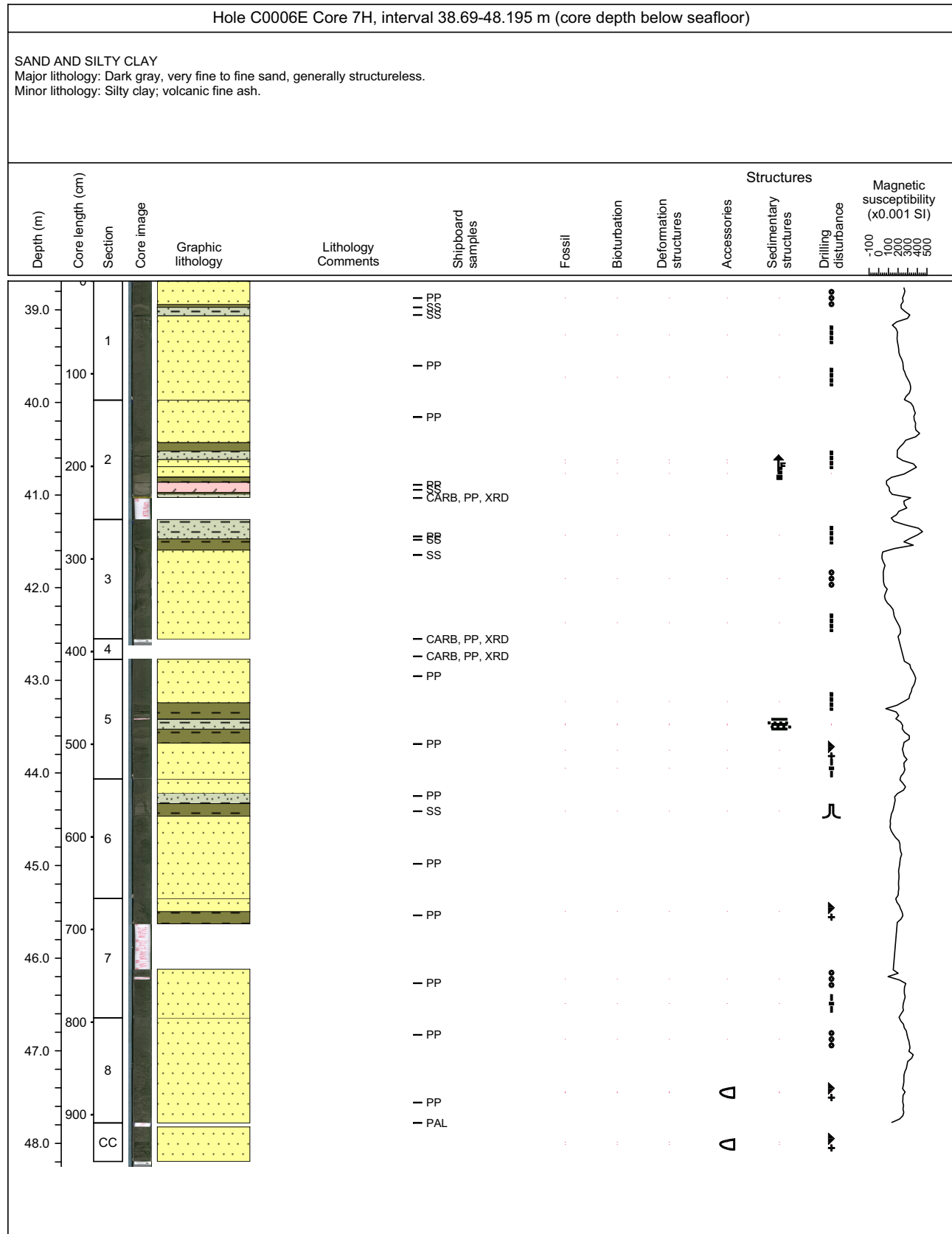


Core Photo

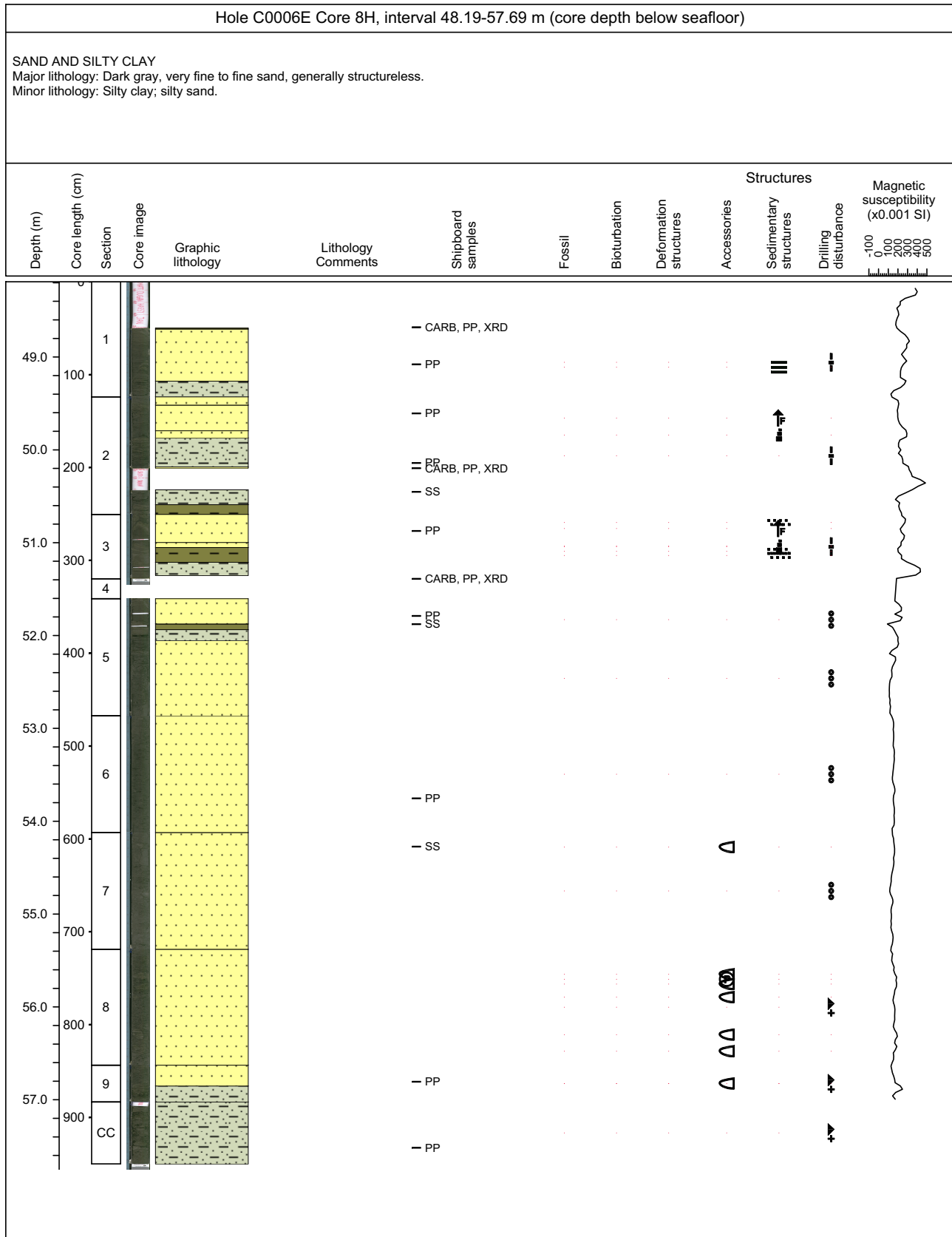
Hole C0006E Core 6H, interval 38.52-38.69 m (core depth below seafloor)												
SAND AND SILTY CLAY Major lithology: Sand. Minor lithology: Silty clay.												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)



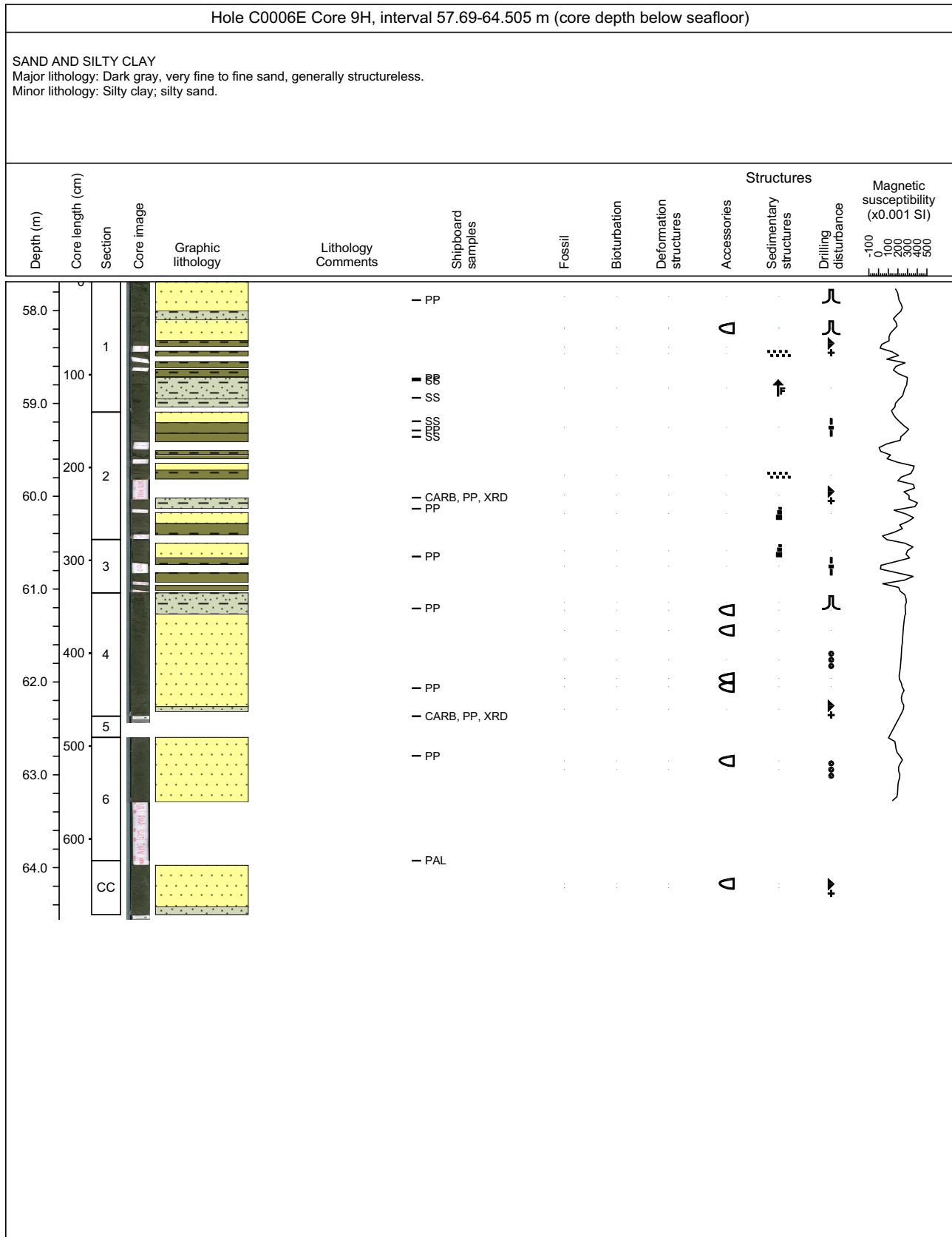
Core Photo



Core Photo



Core Photo

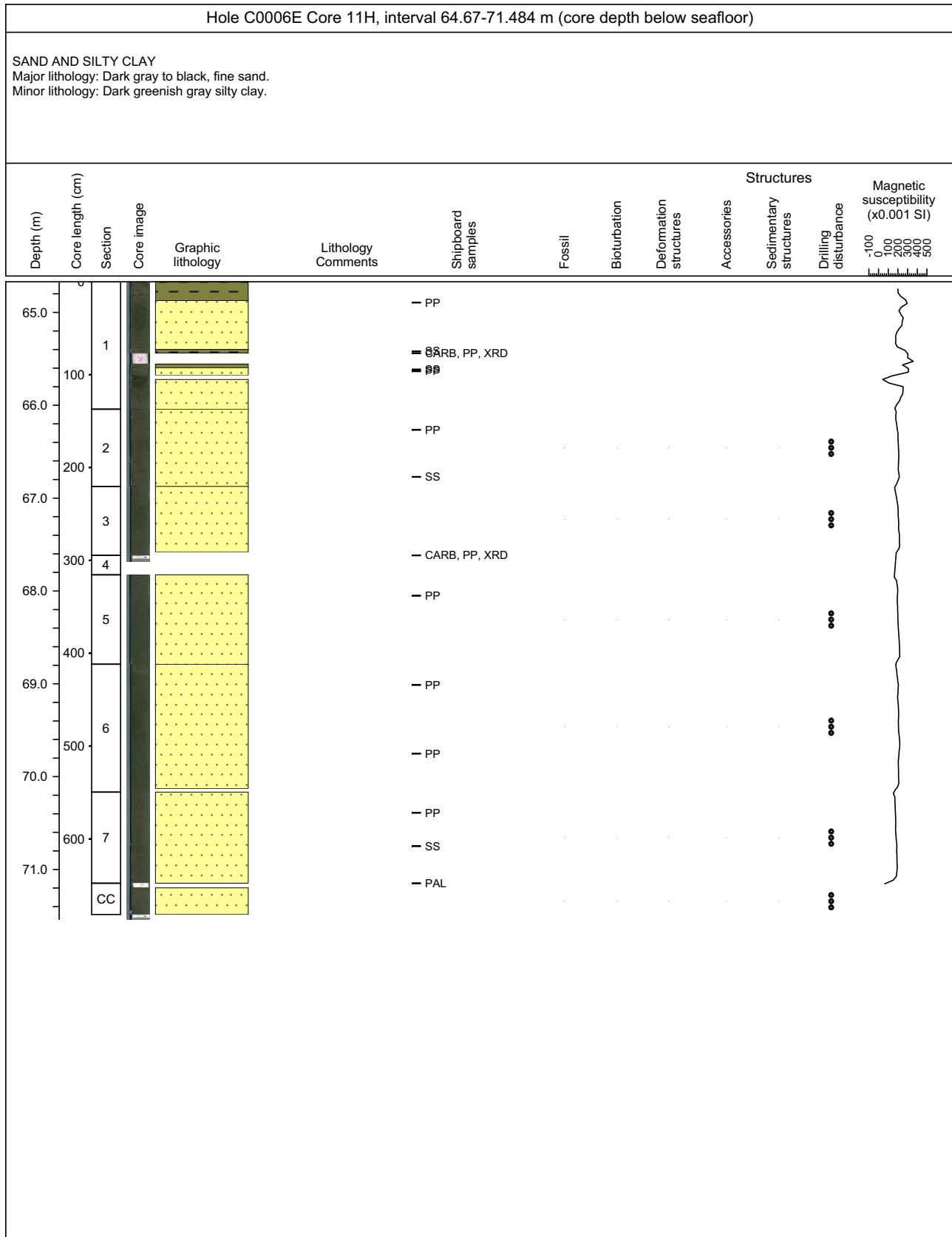


Core Photo

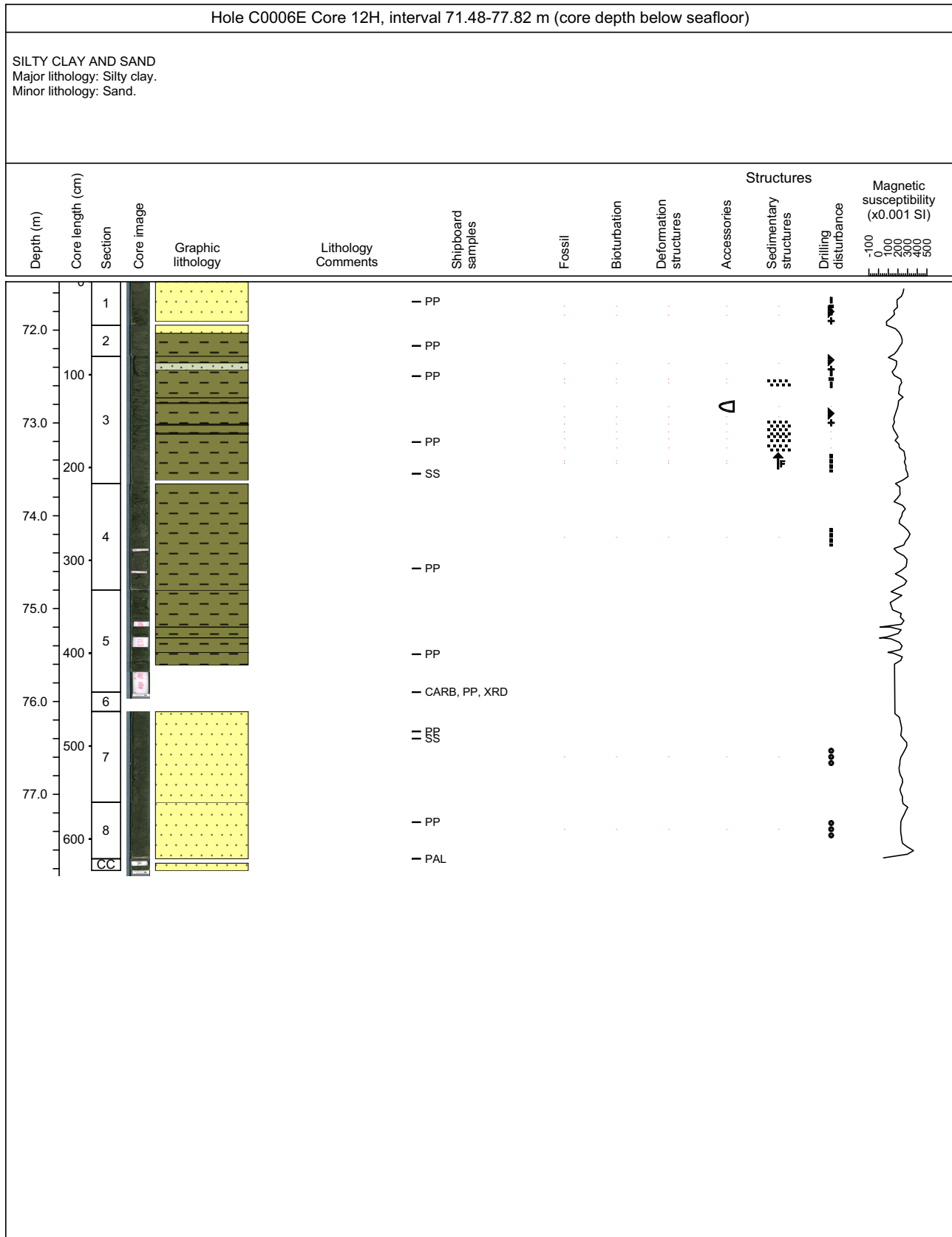
Hole C0006E Core 10H, interval 64.51-64.67 m (core depth below seafloor)												
SAND Major lithology: Dark gray, fine sand.												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)



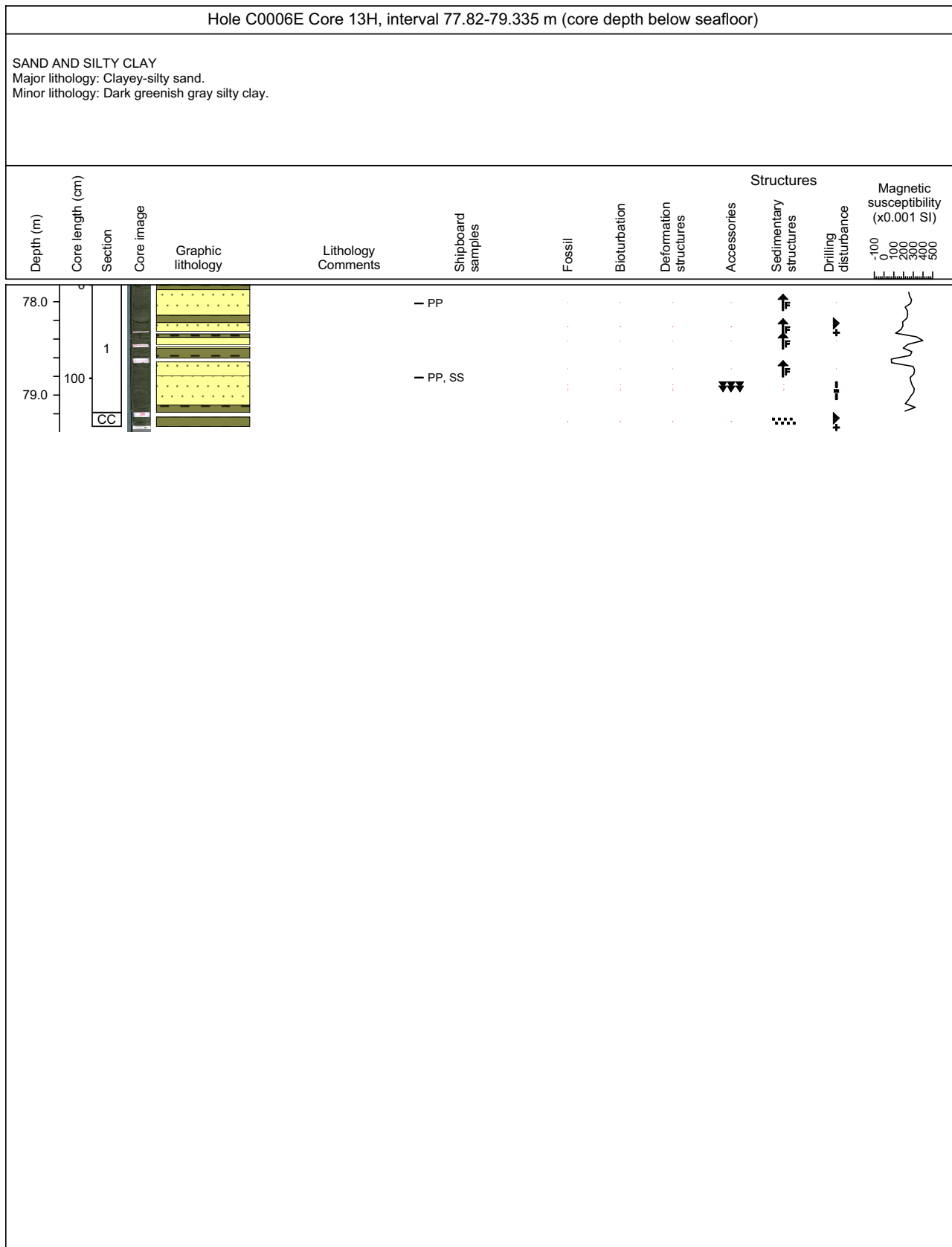
Core Photo



Core Photo



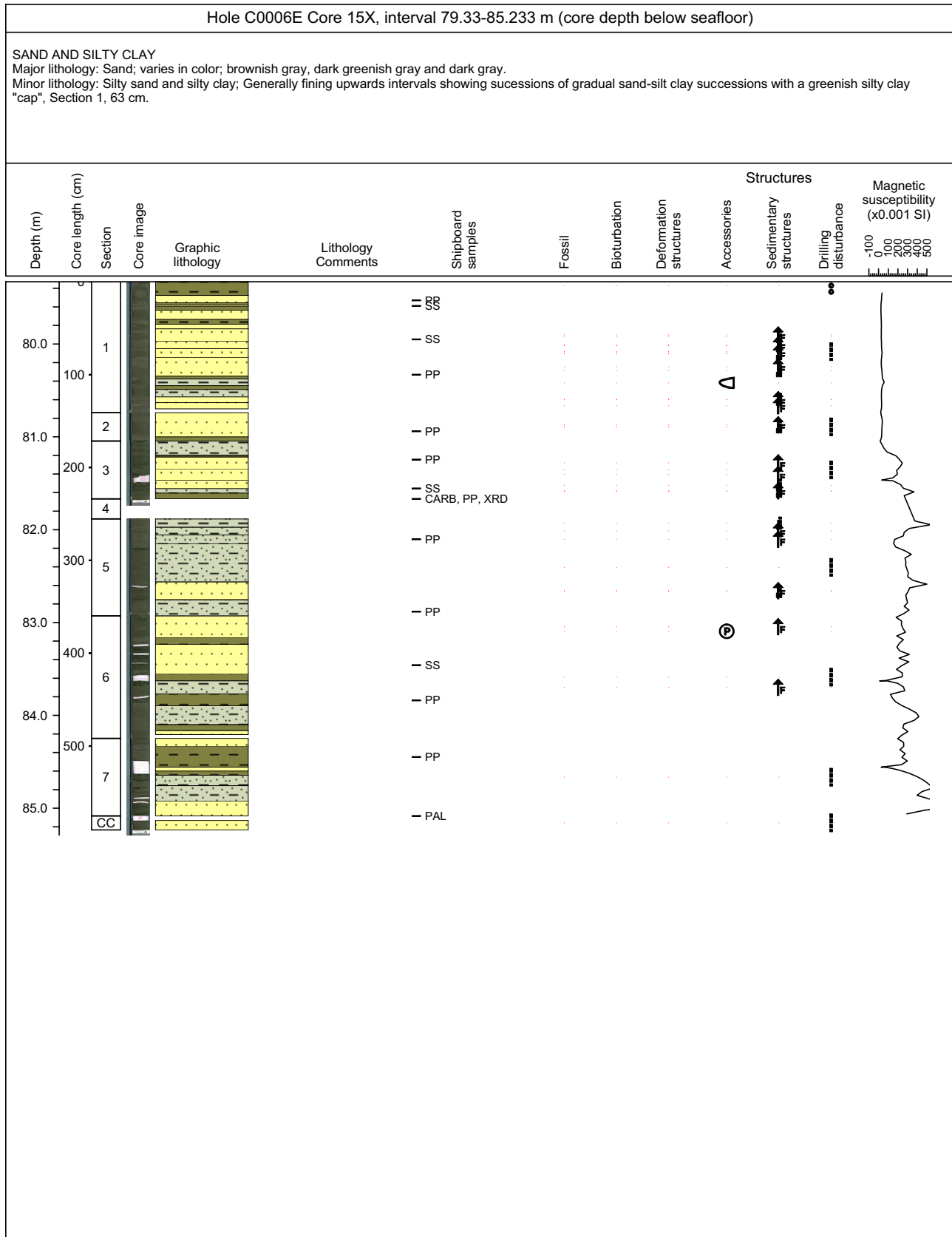
Core Photo



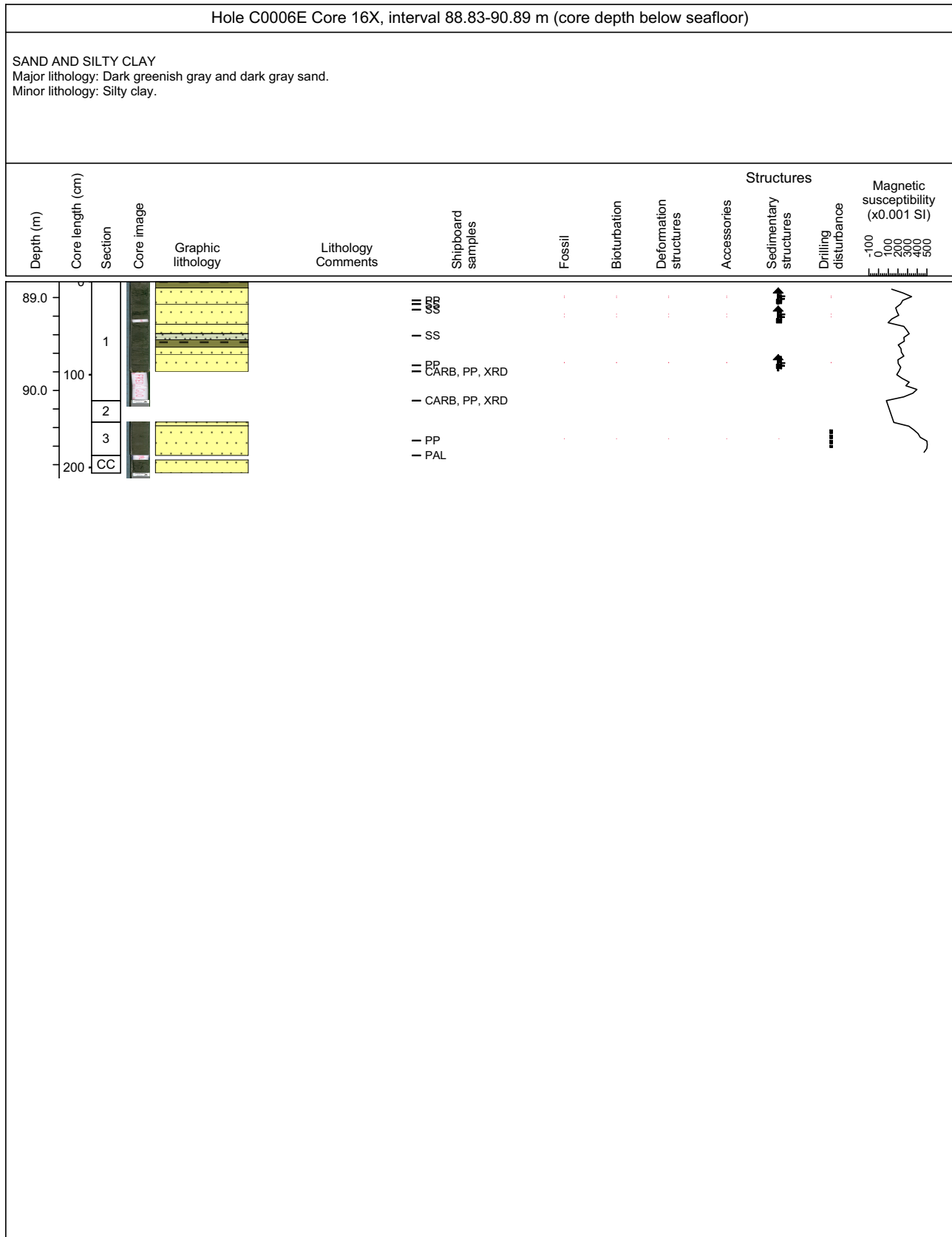
Hole C0006E Core 14H No recovery



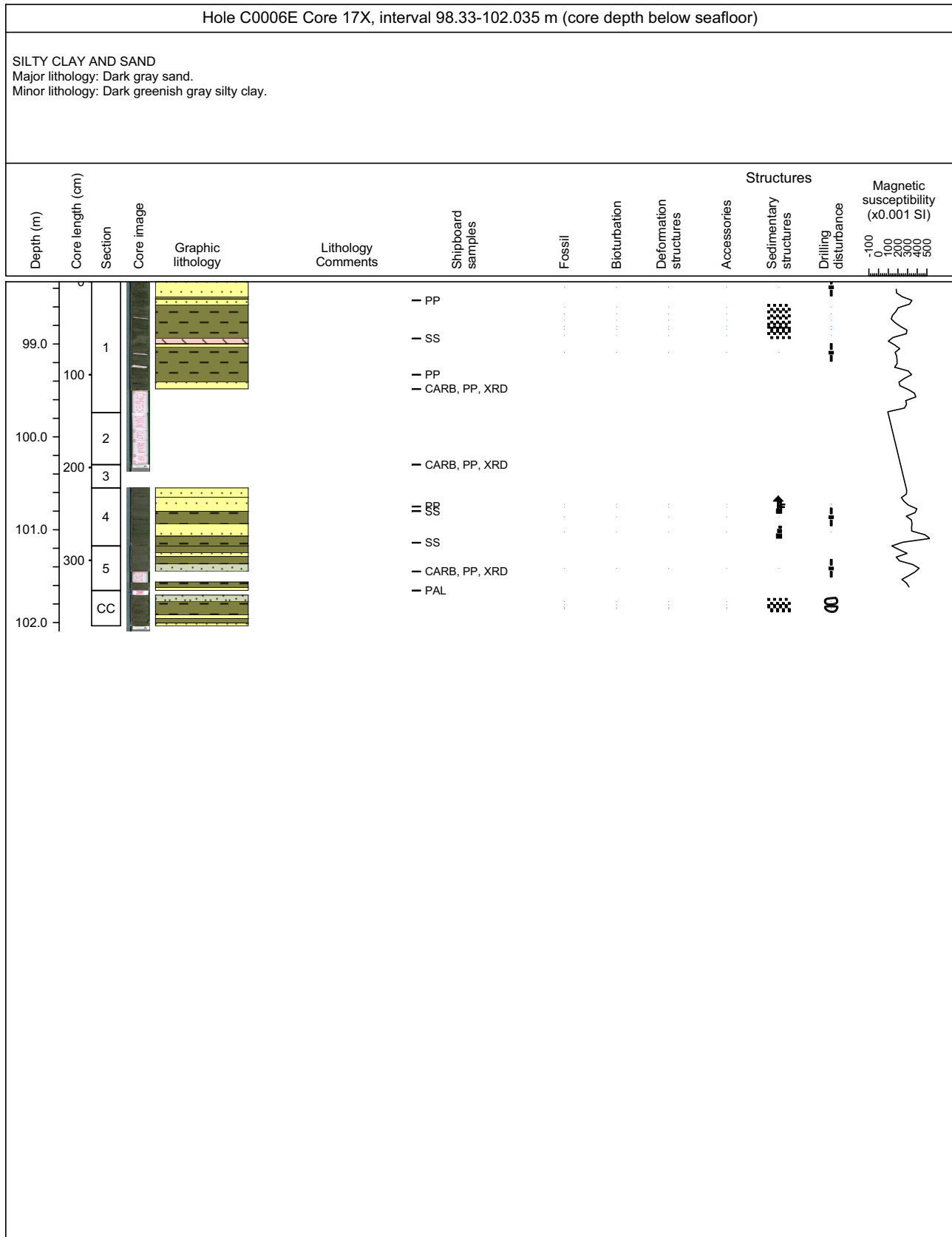
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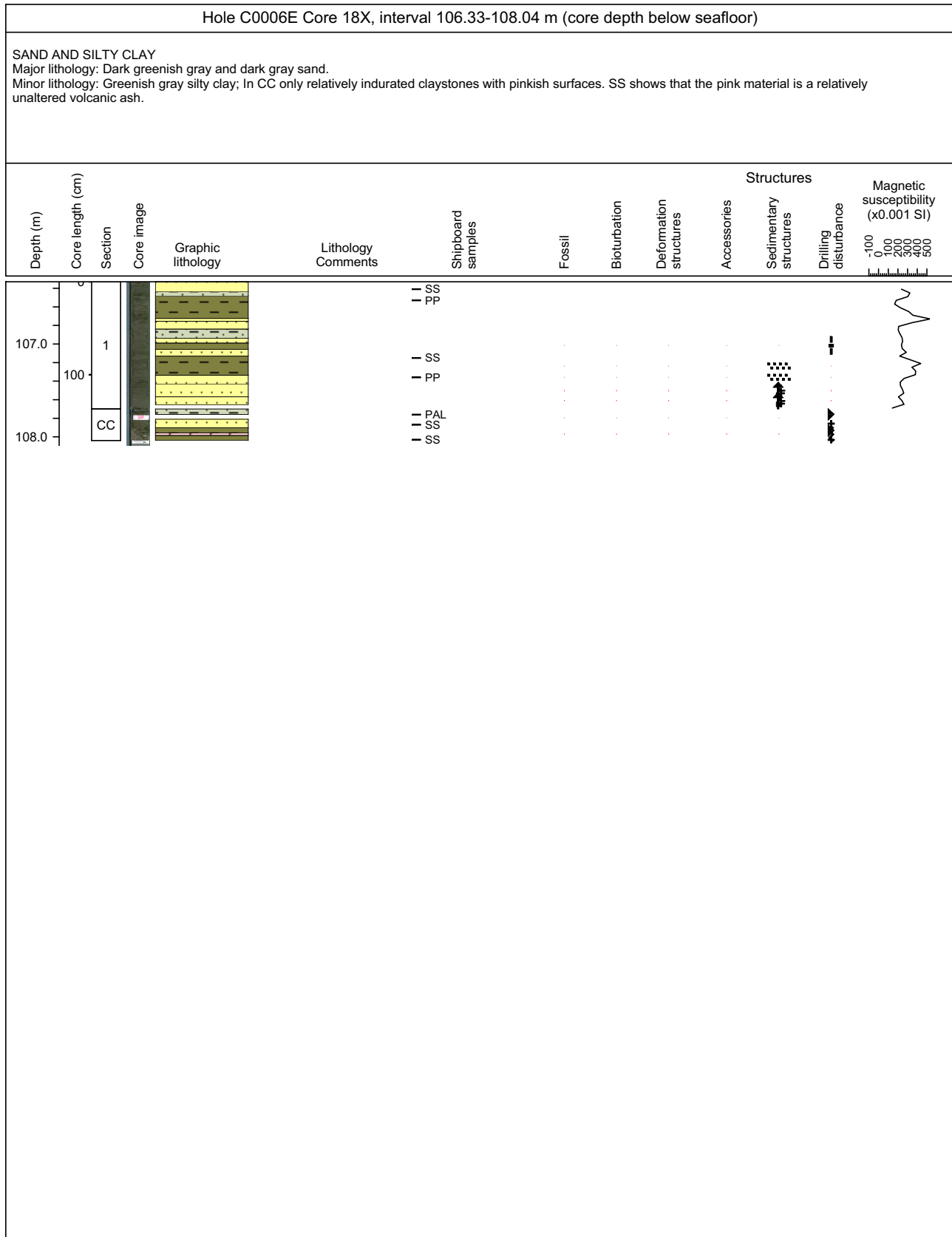
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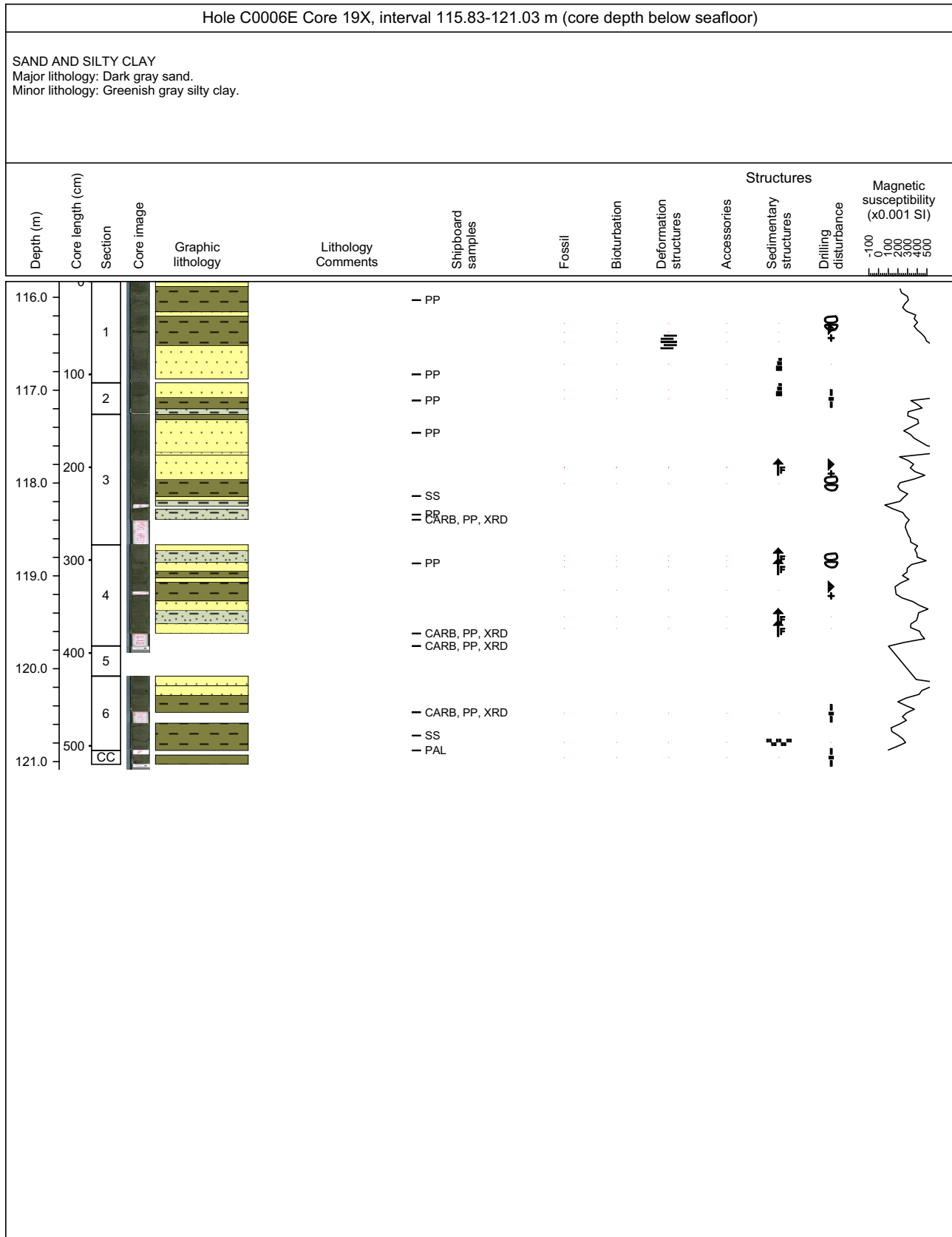
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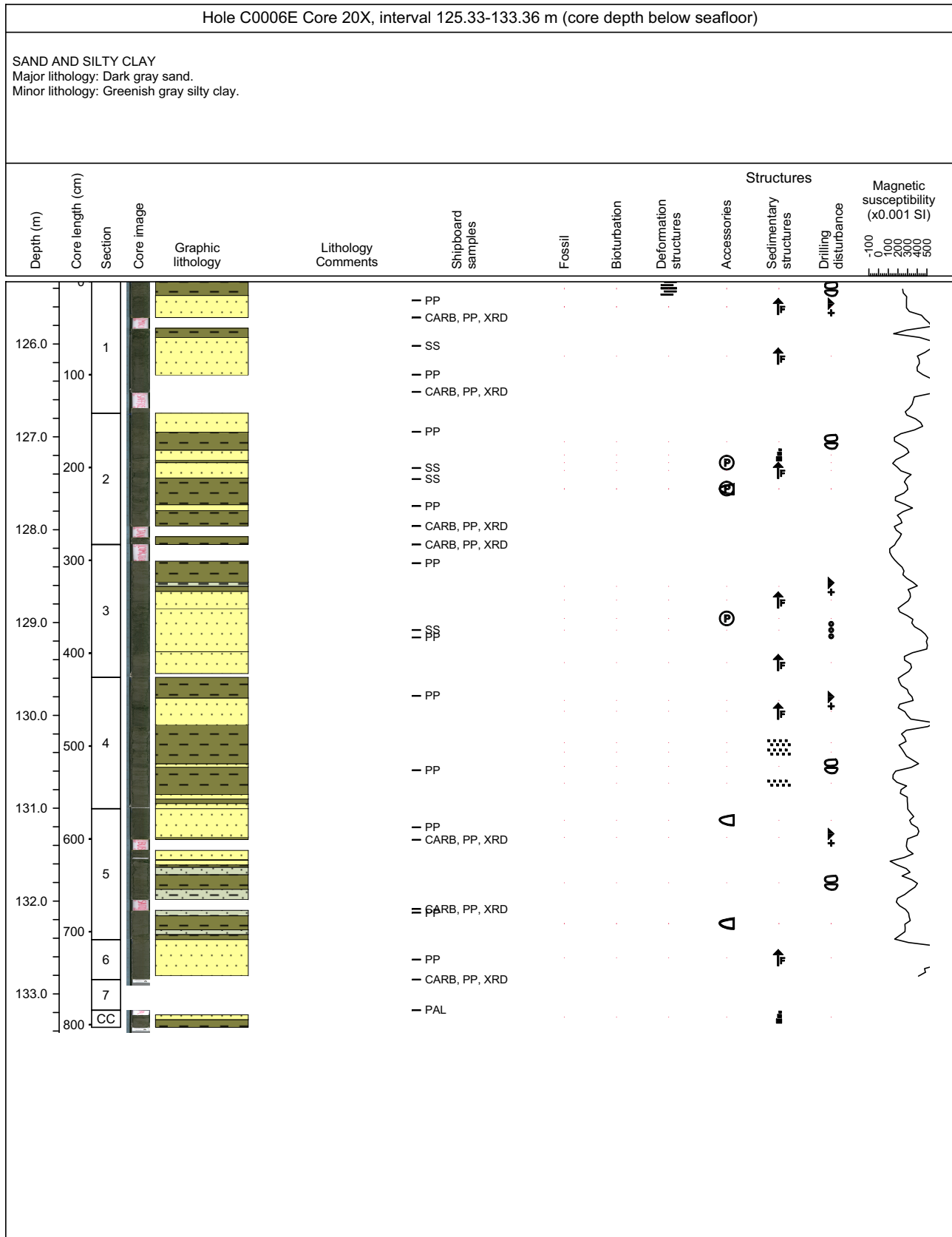
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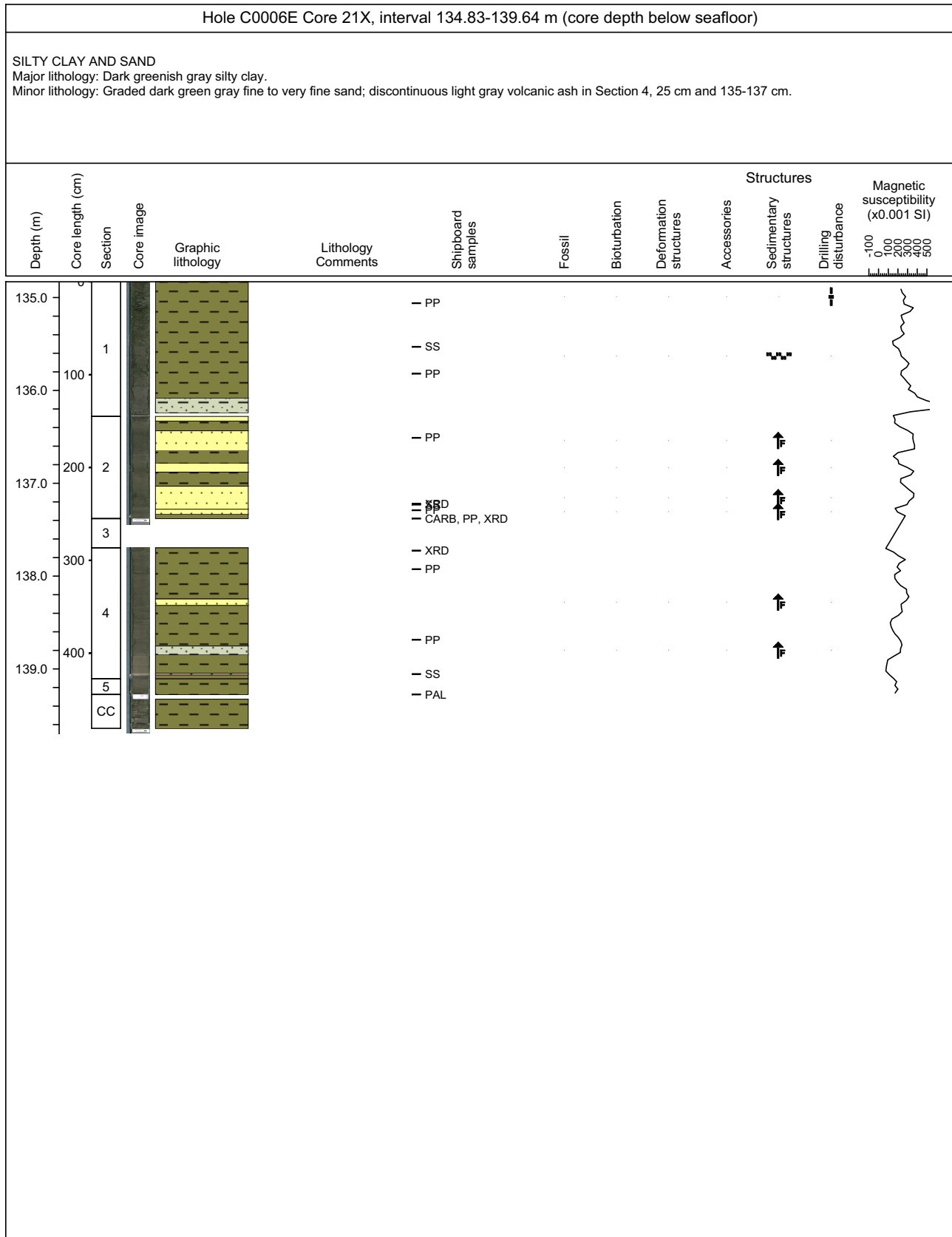
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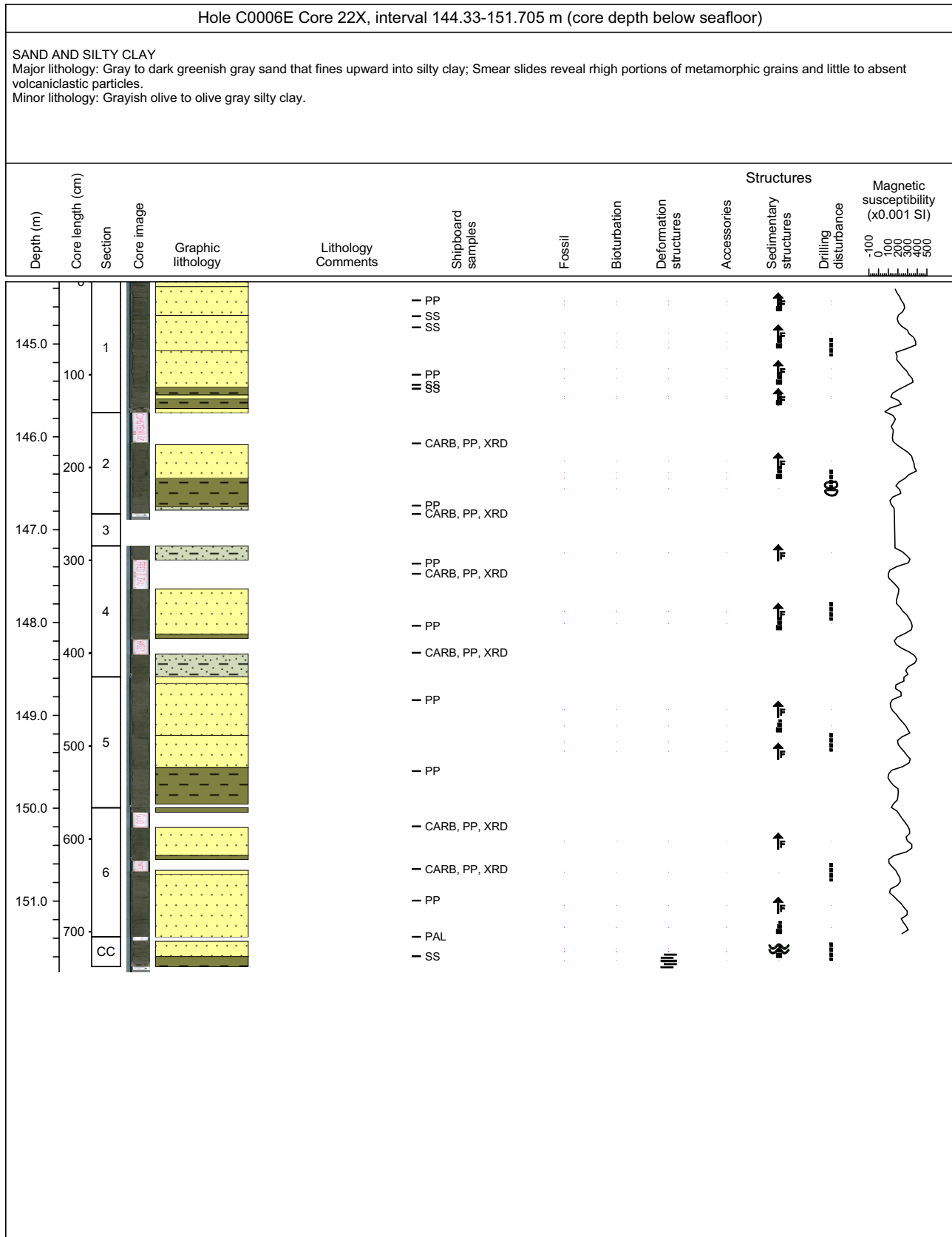
Core Photo



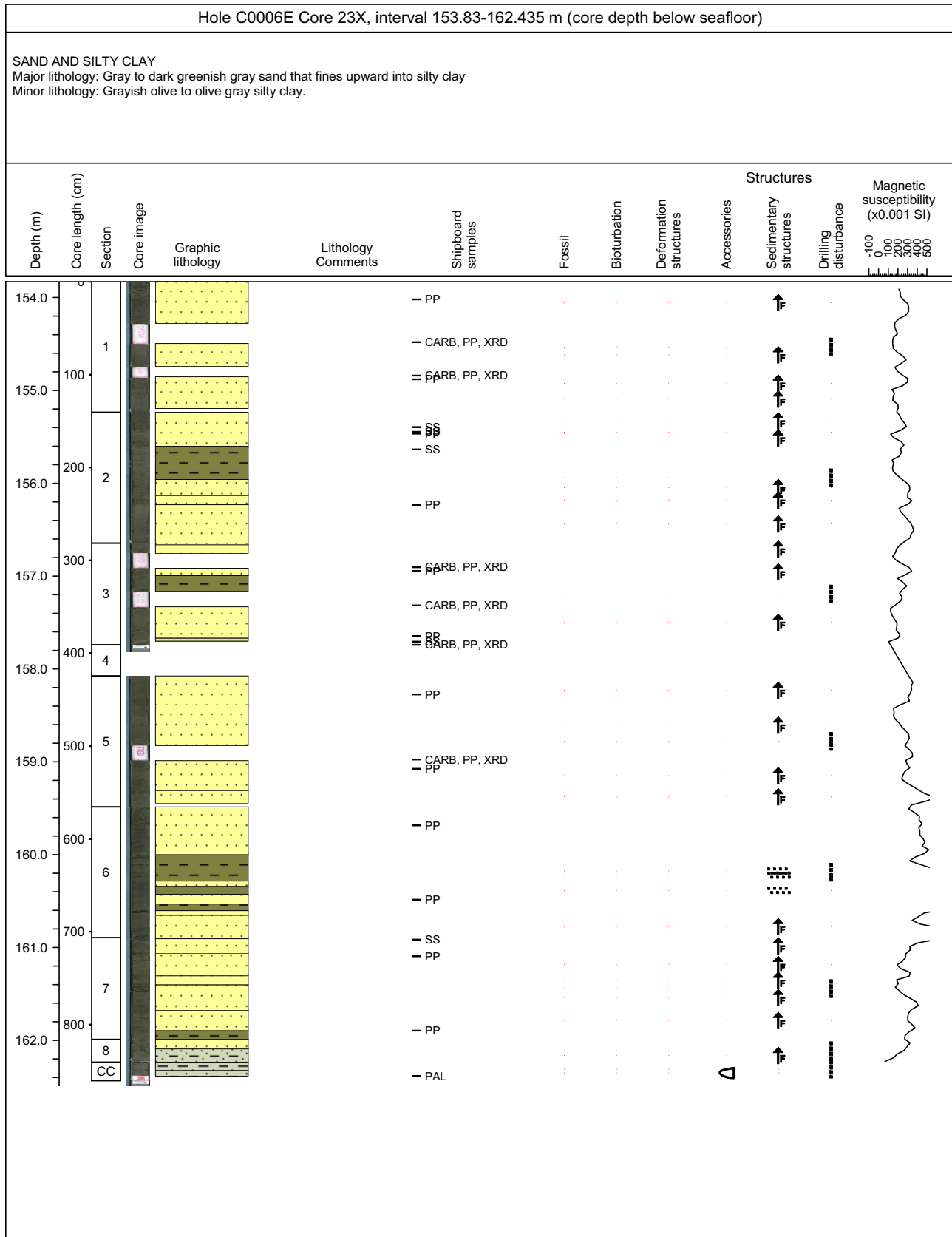
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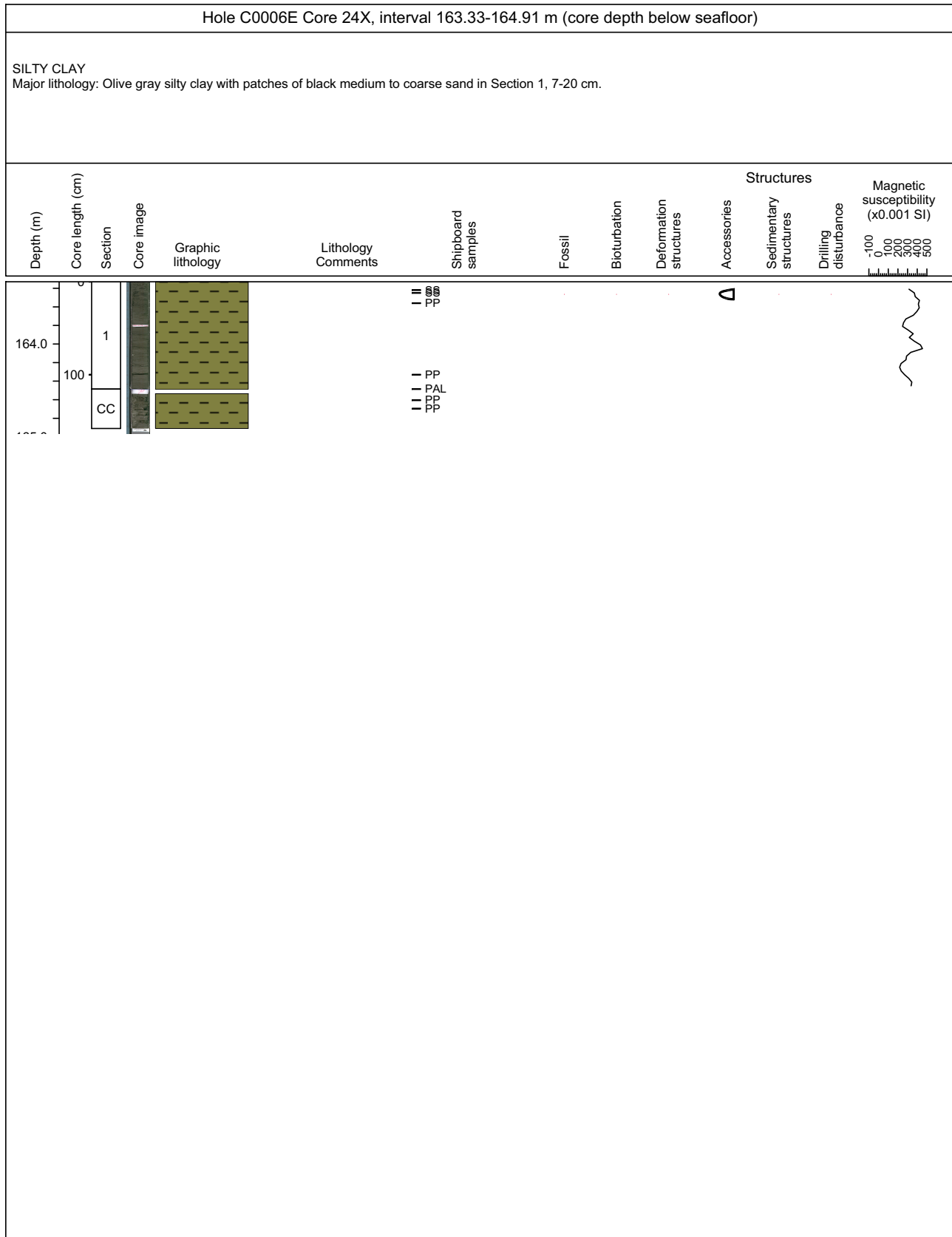
Core Photo



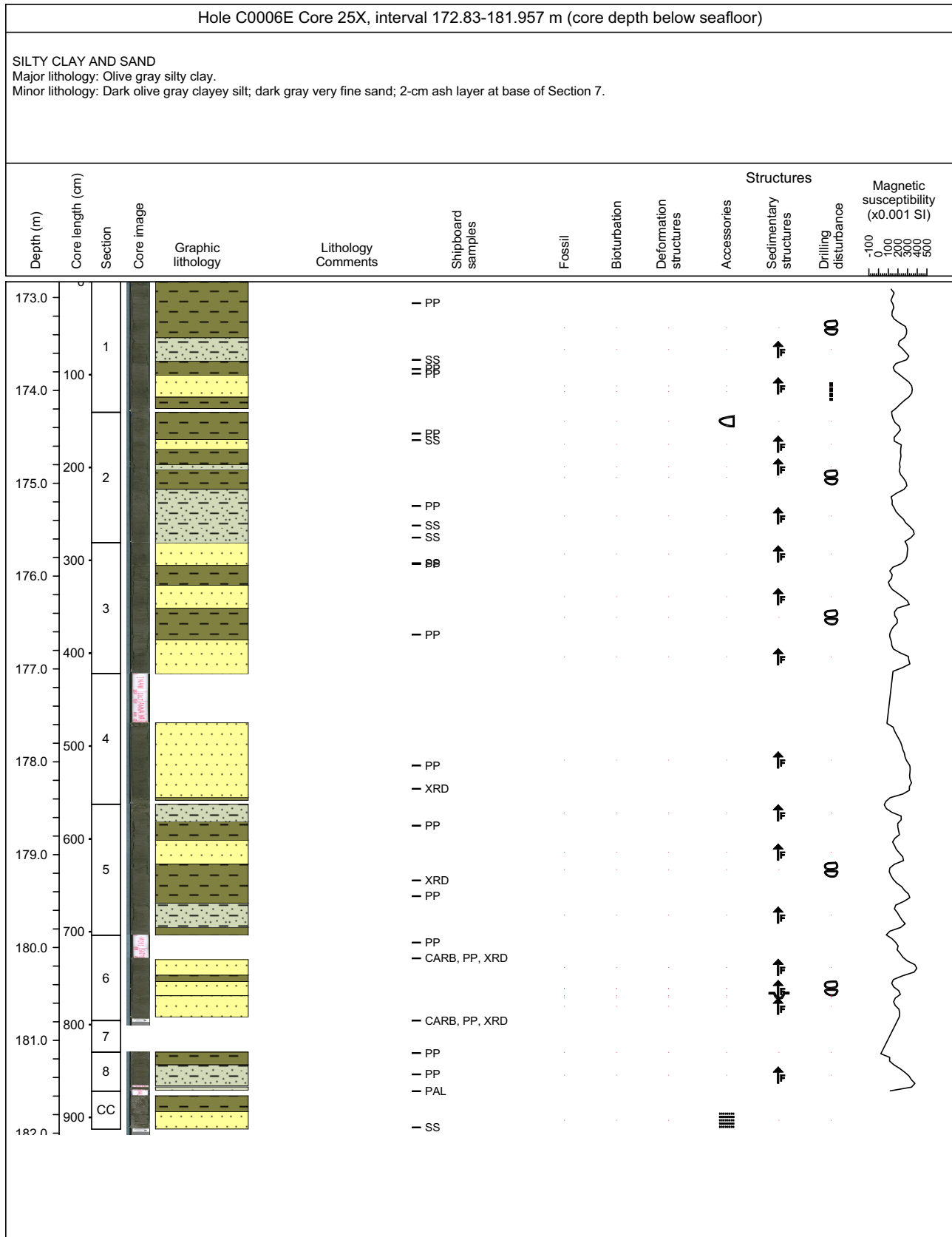
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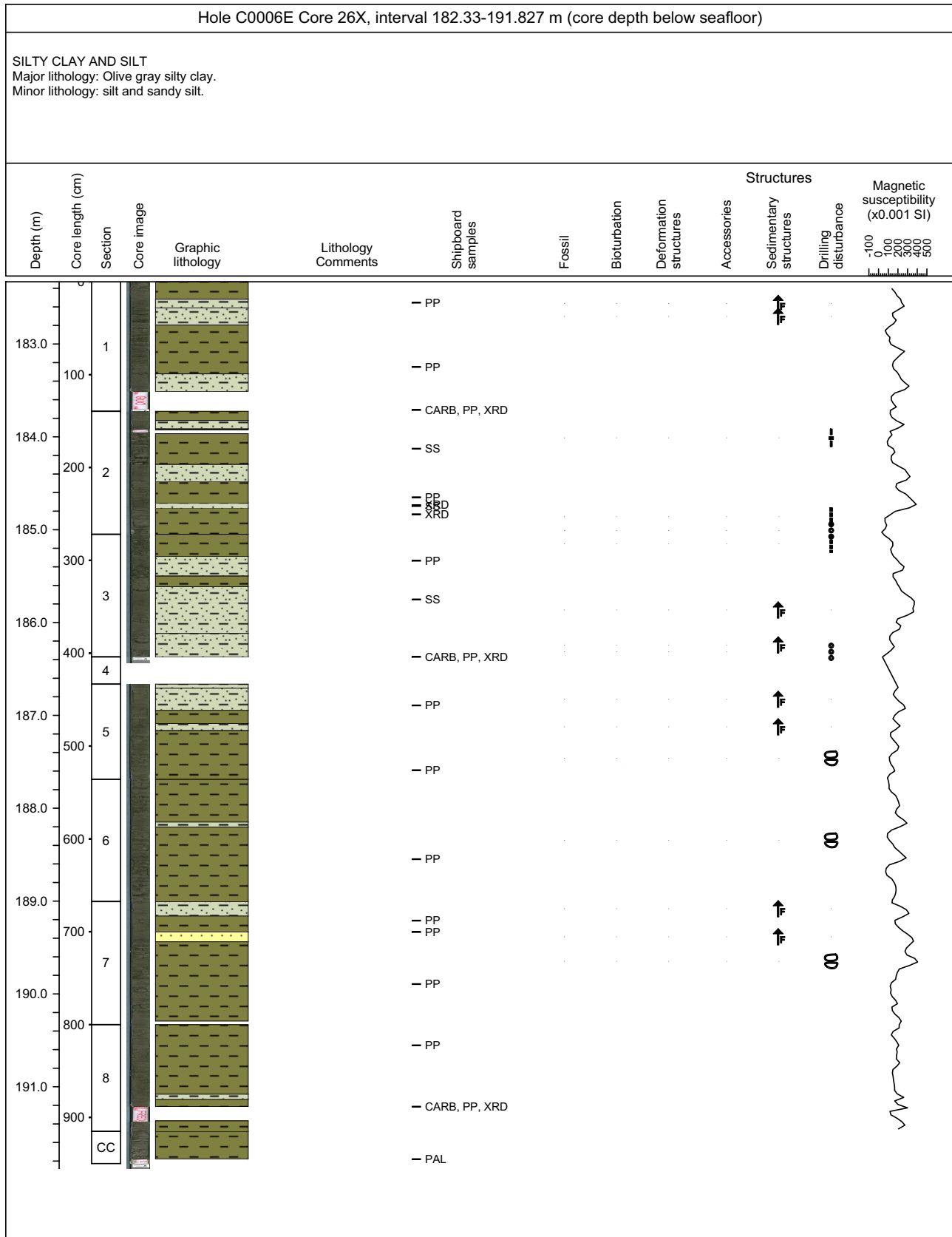
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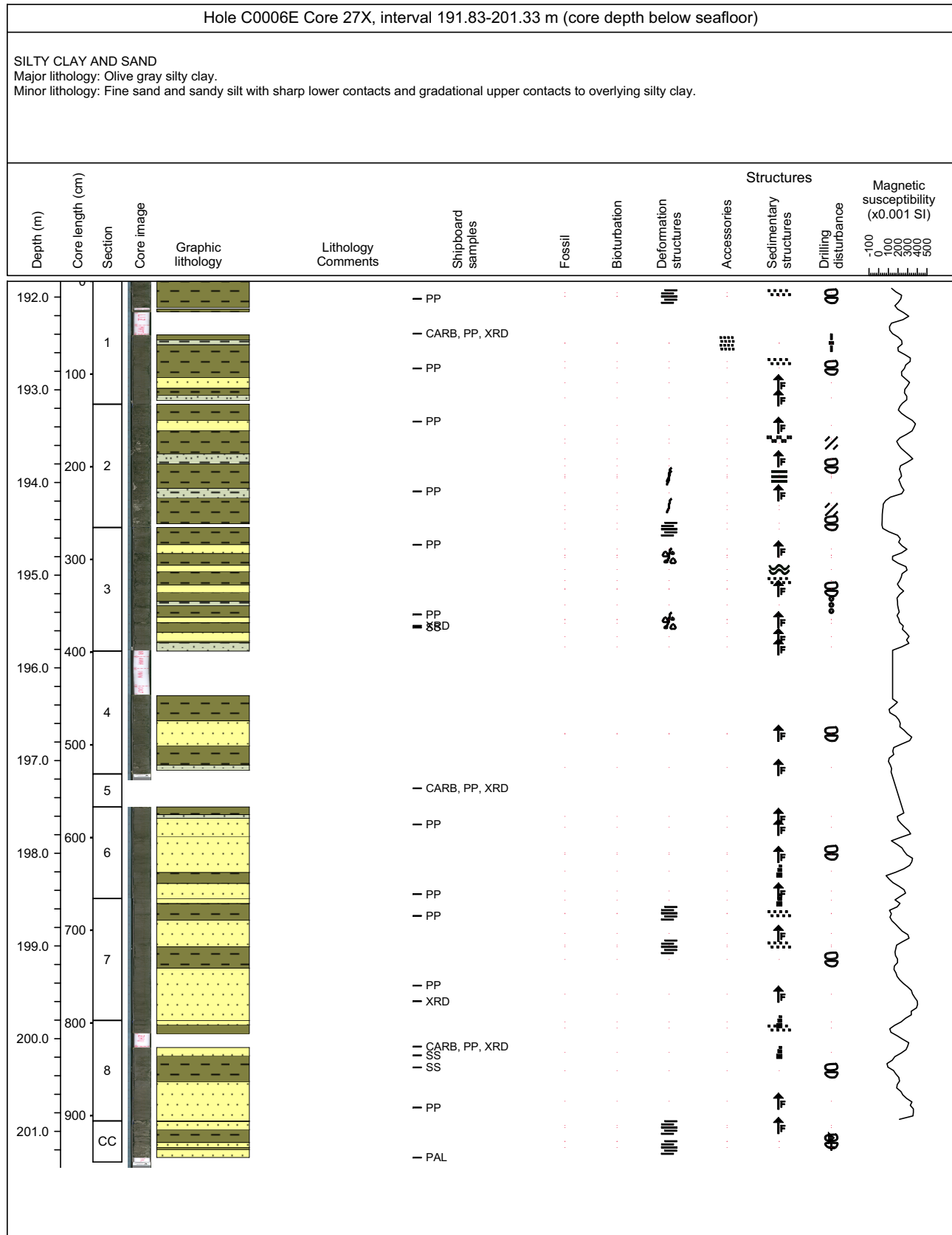
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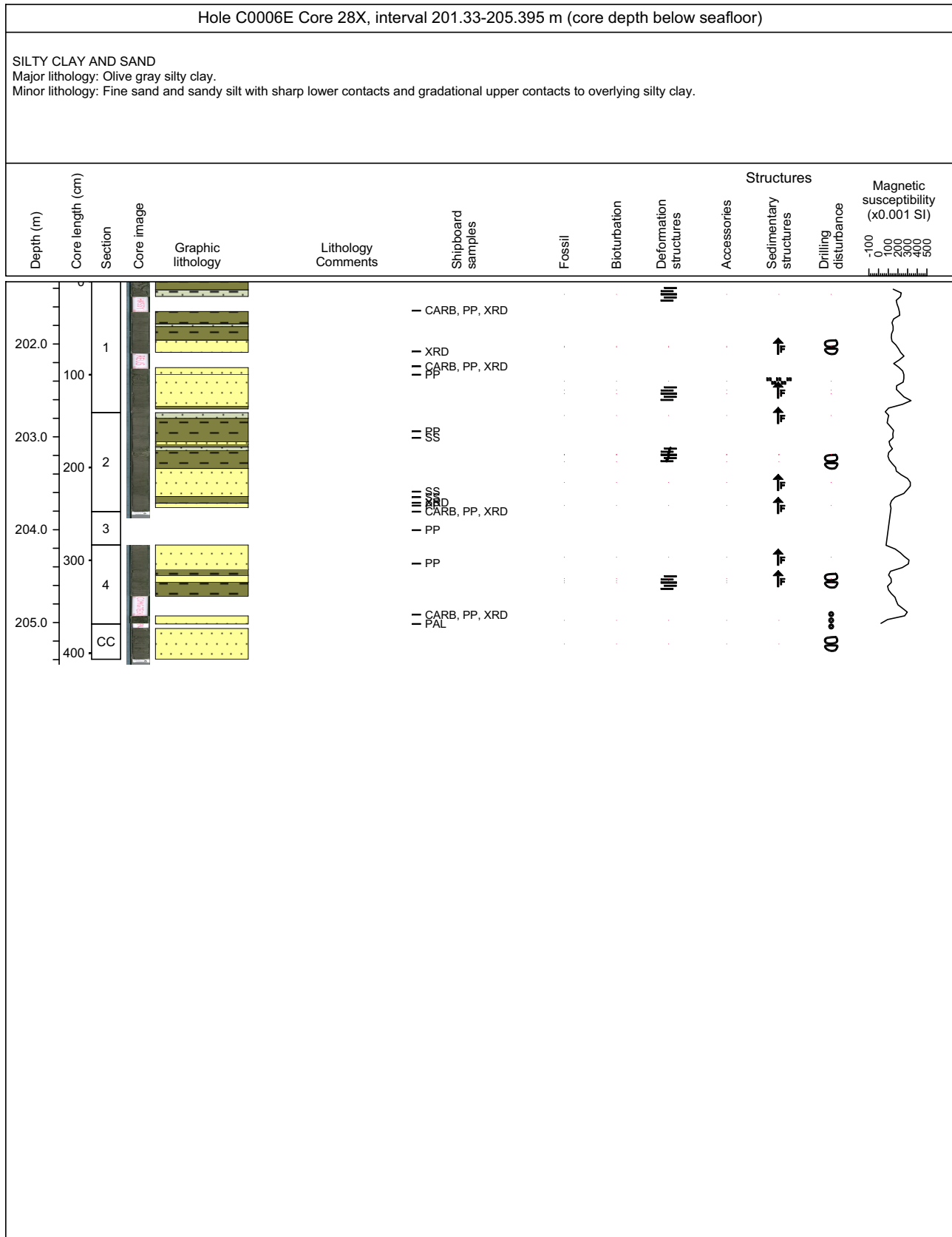
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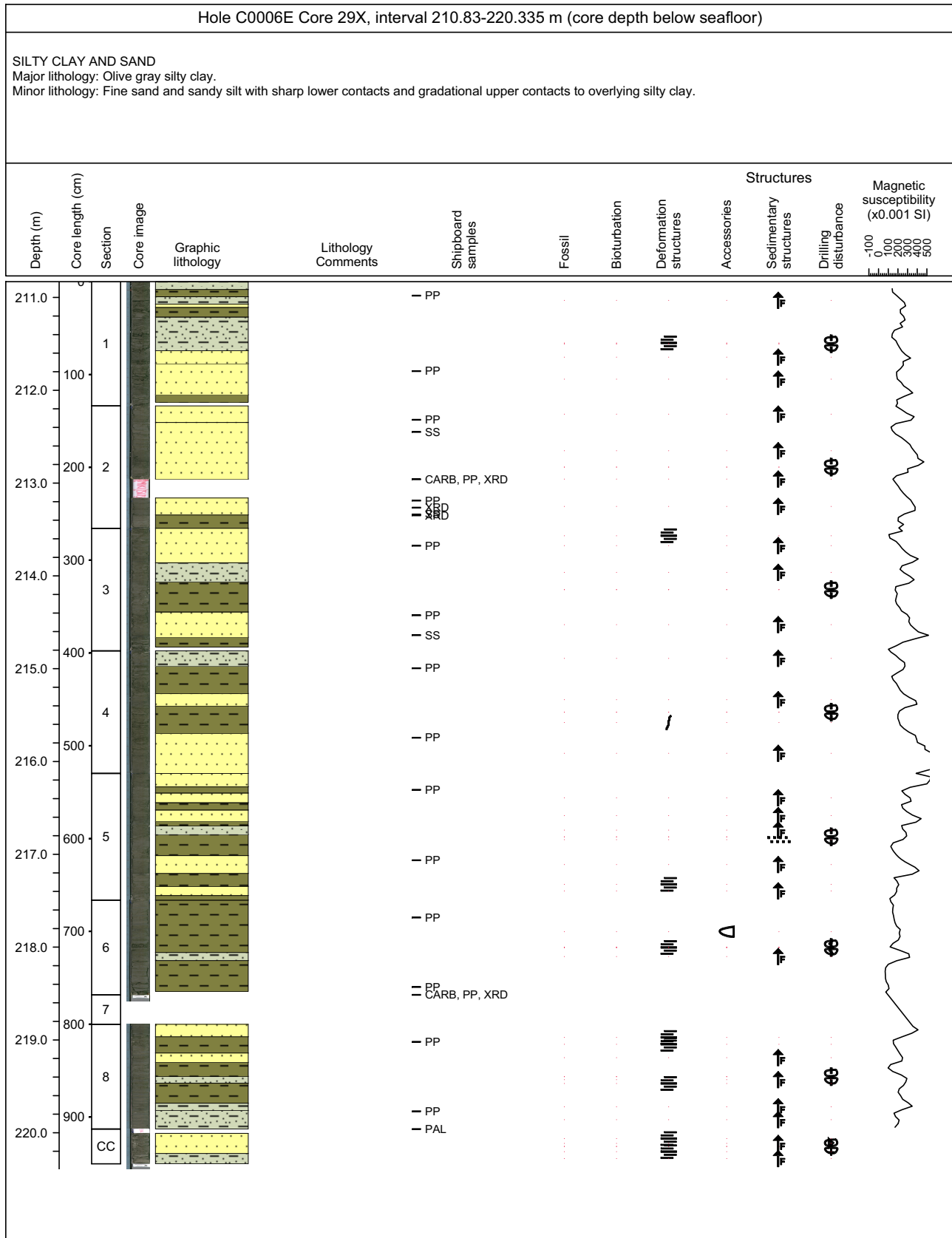
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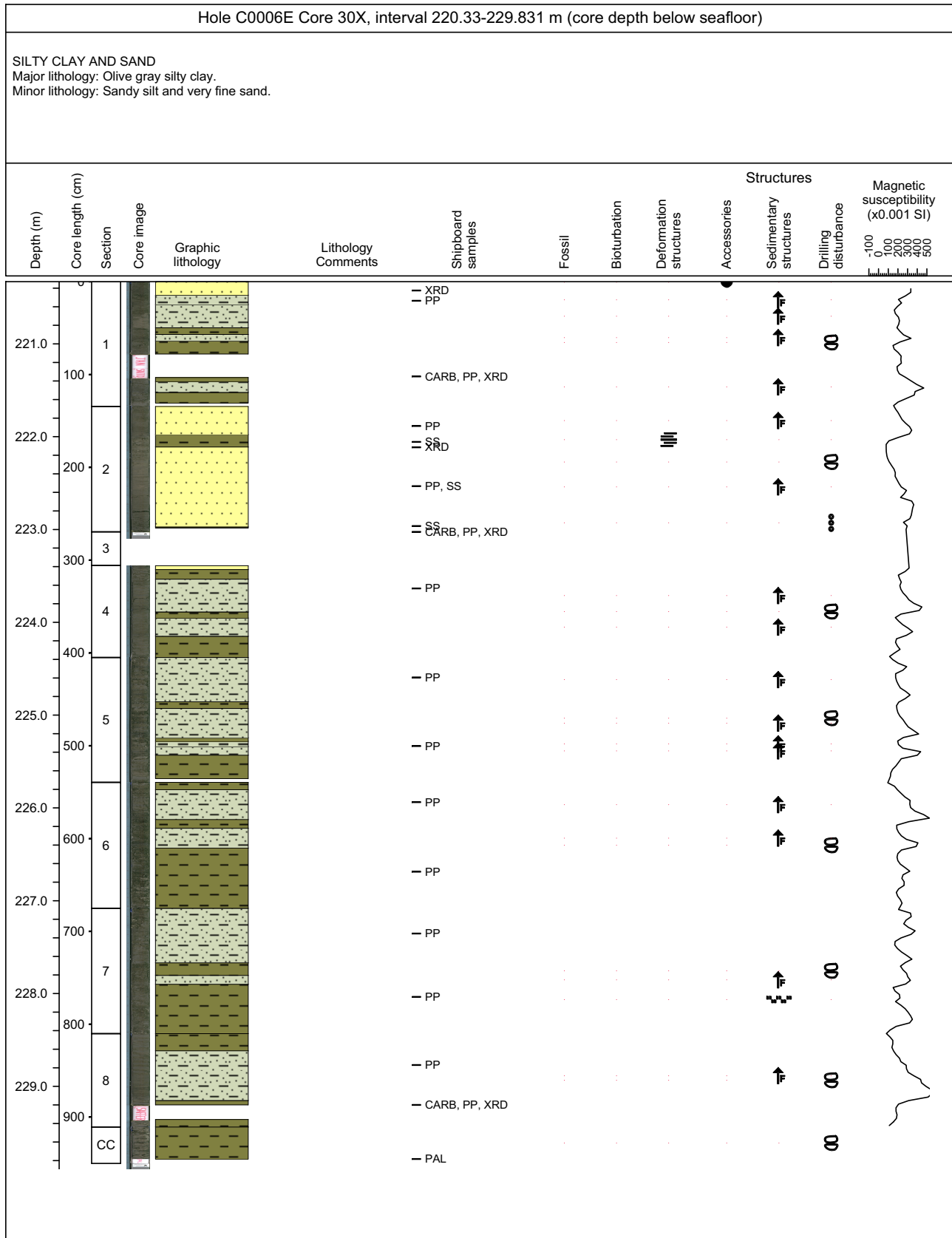
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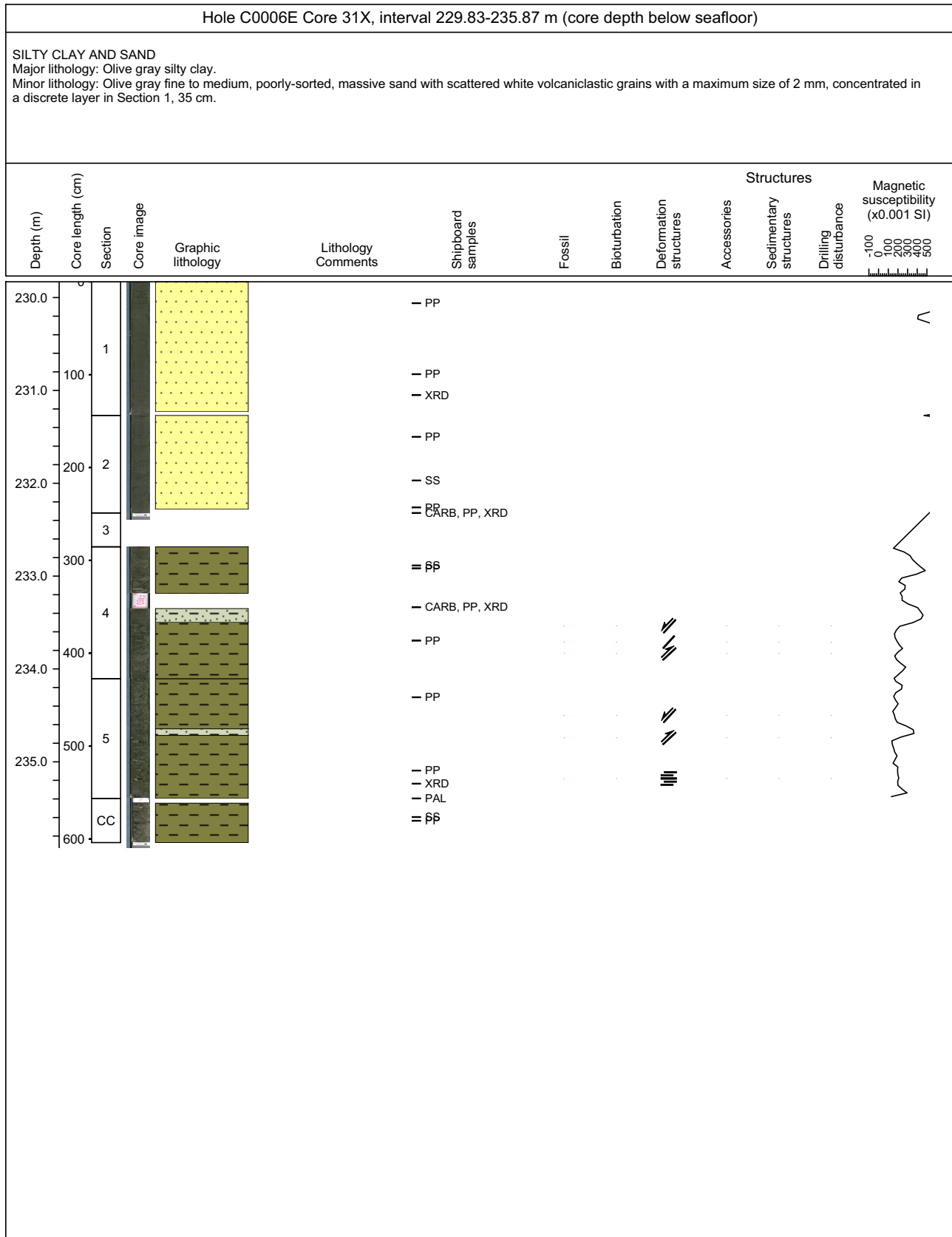
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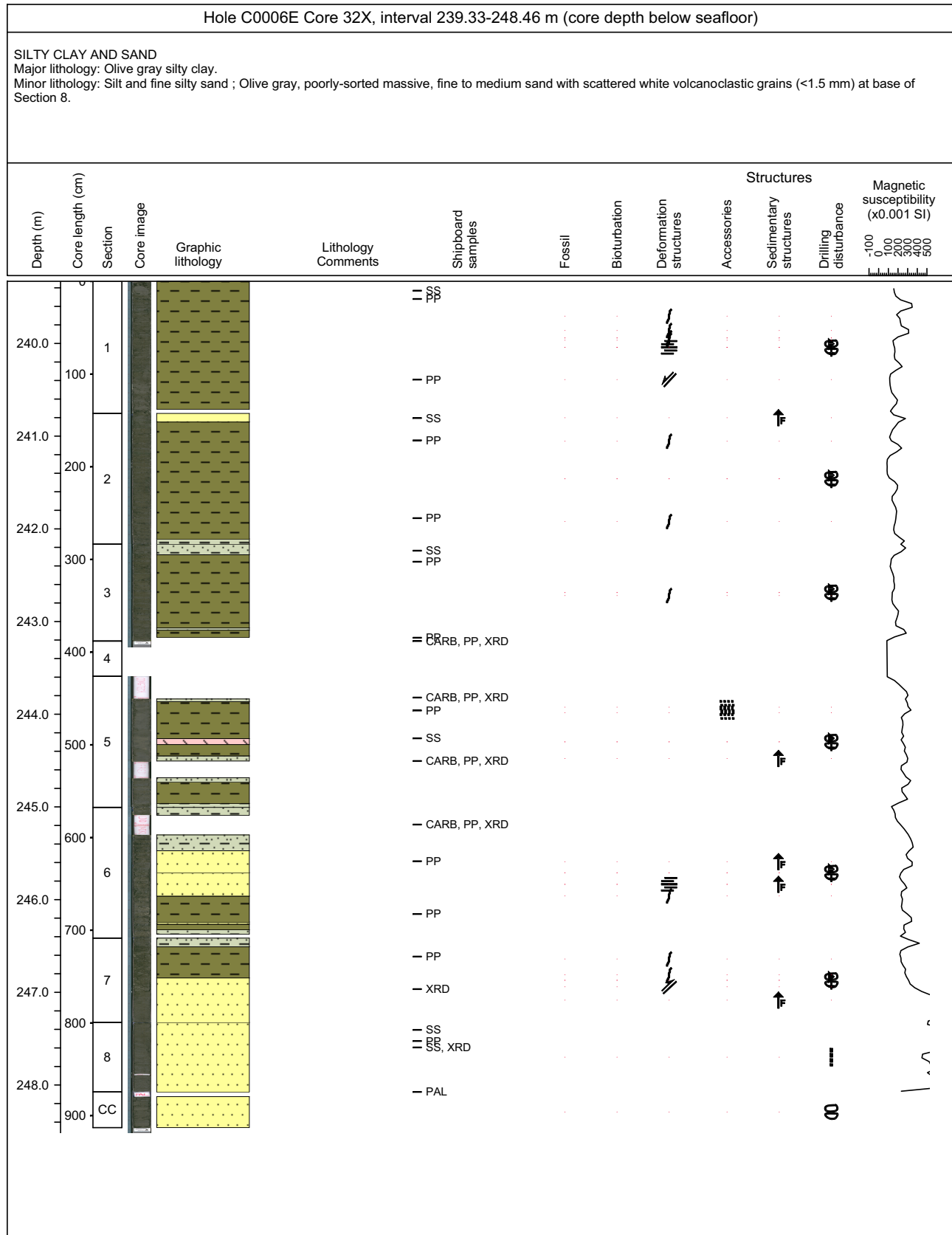
Core Photo



Core Photo



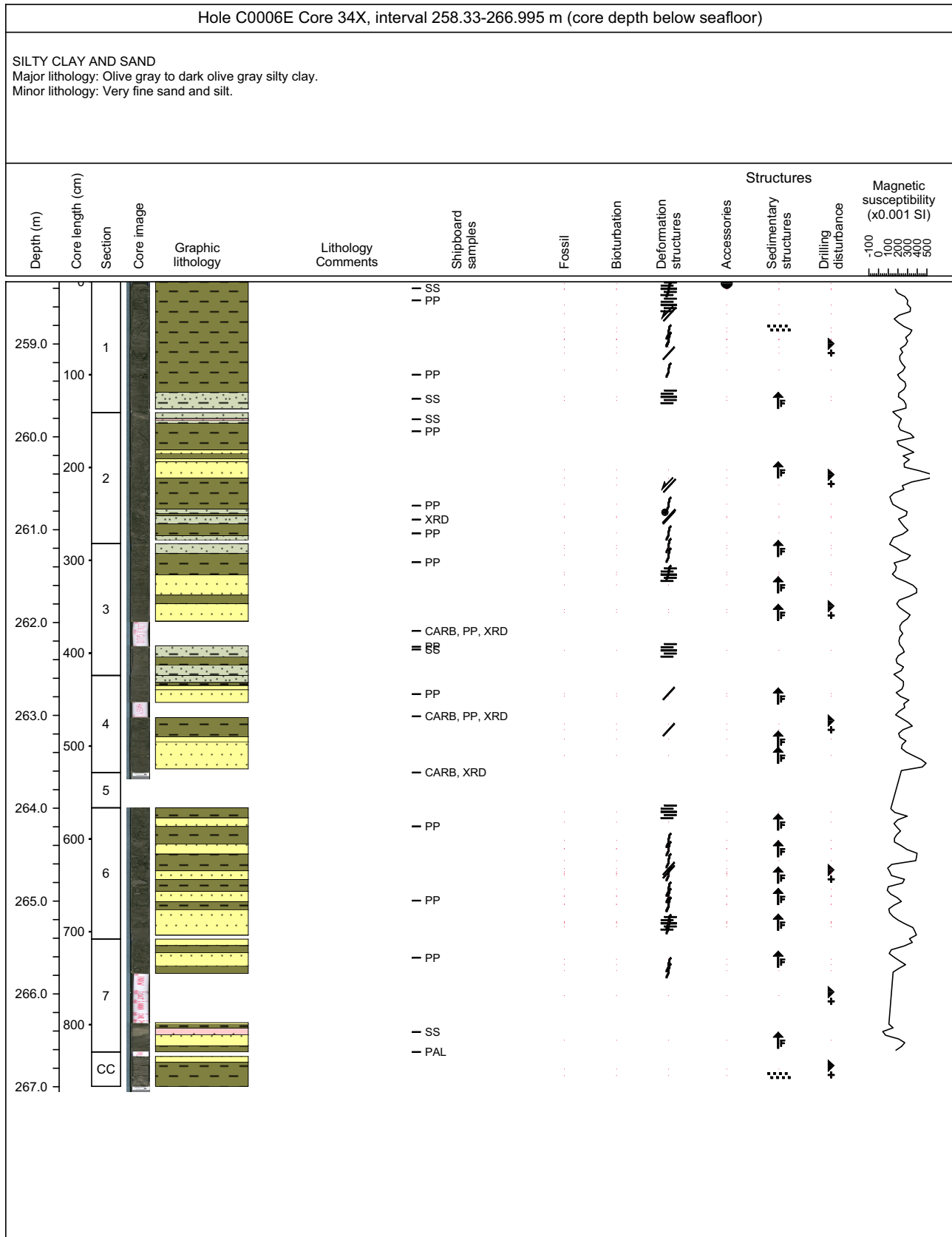
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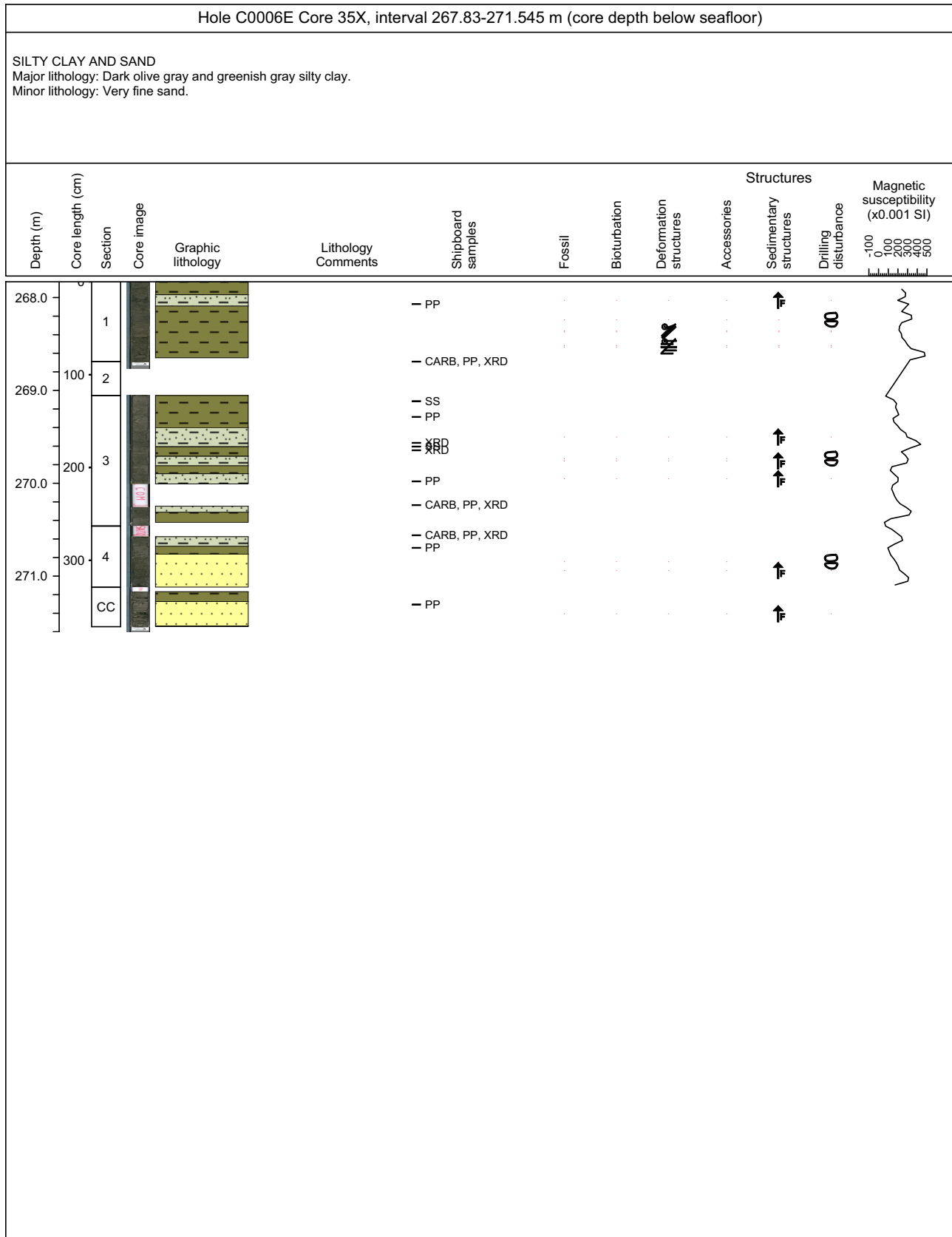
Hole C0006E Core 33X No recovery



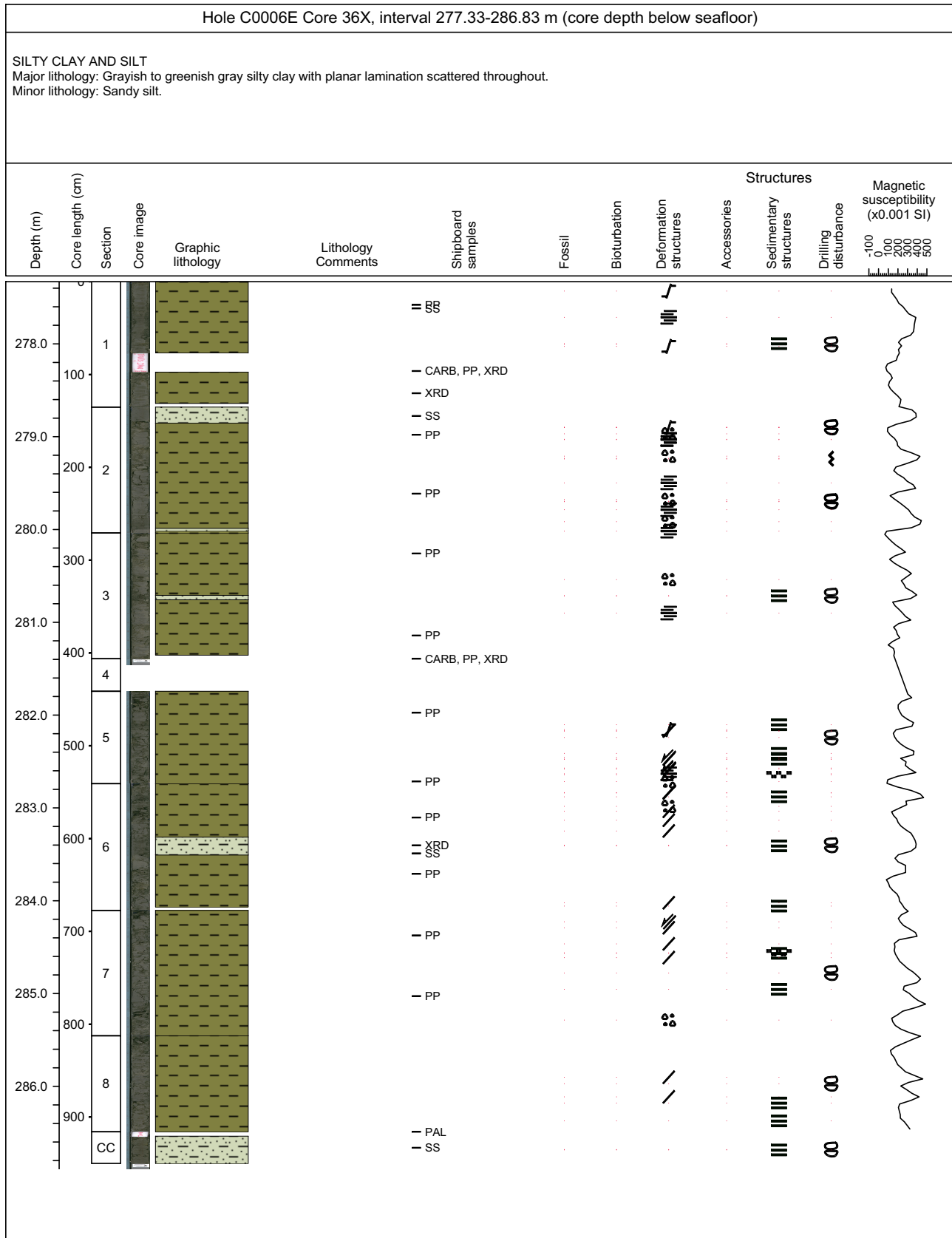
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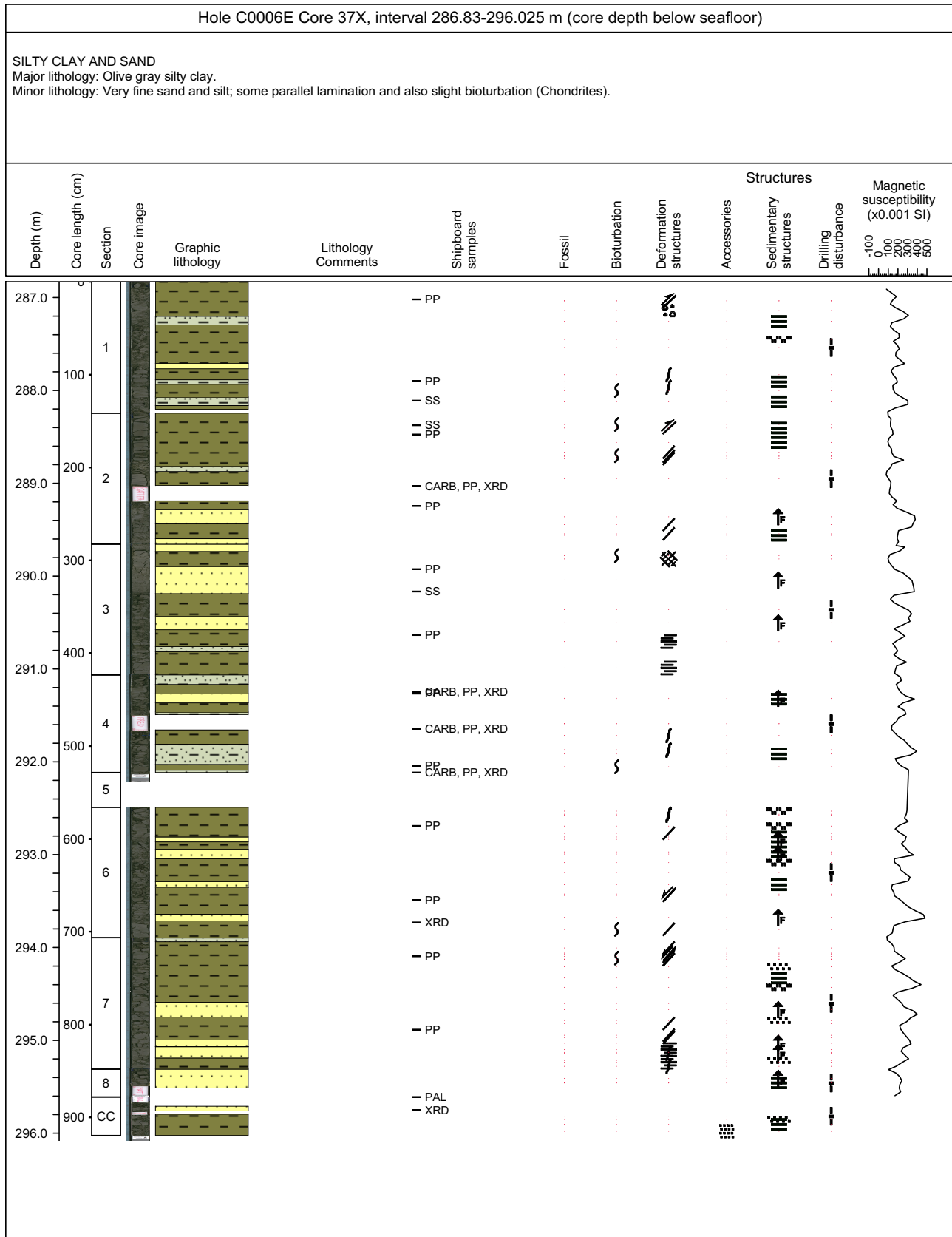
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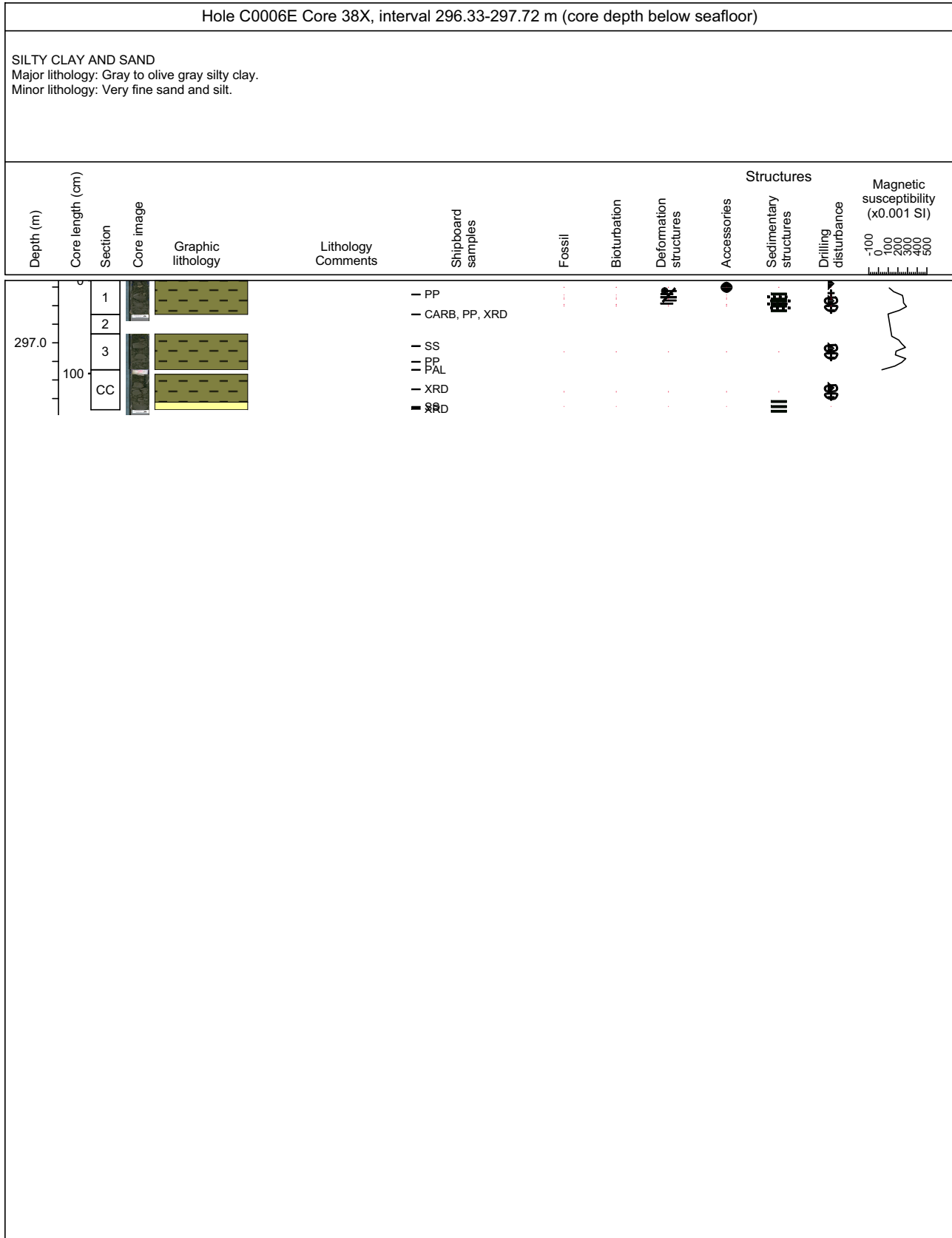
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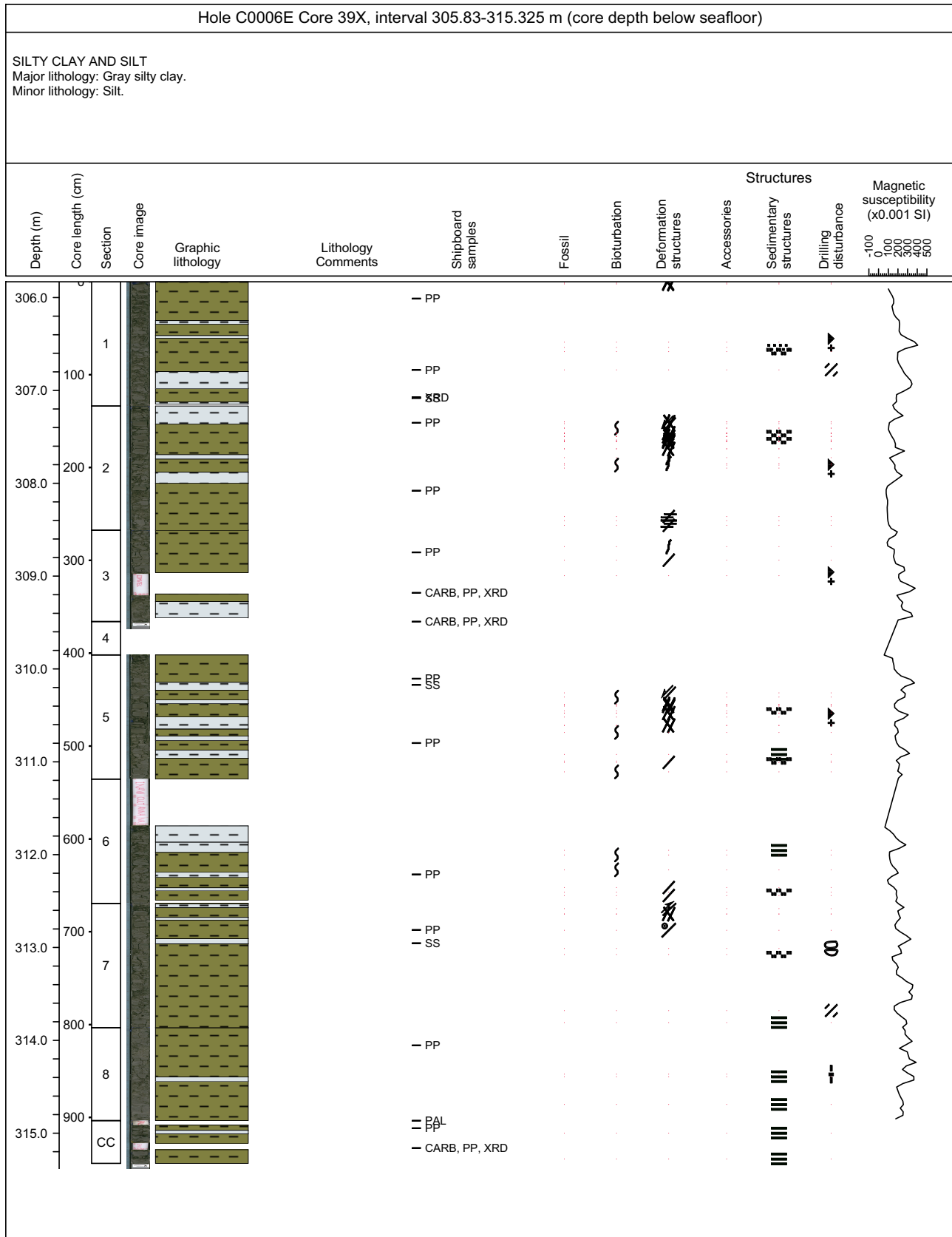
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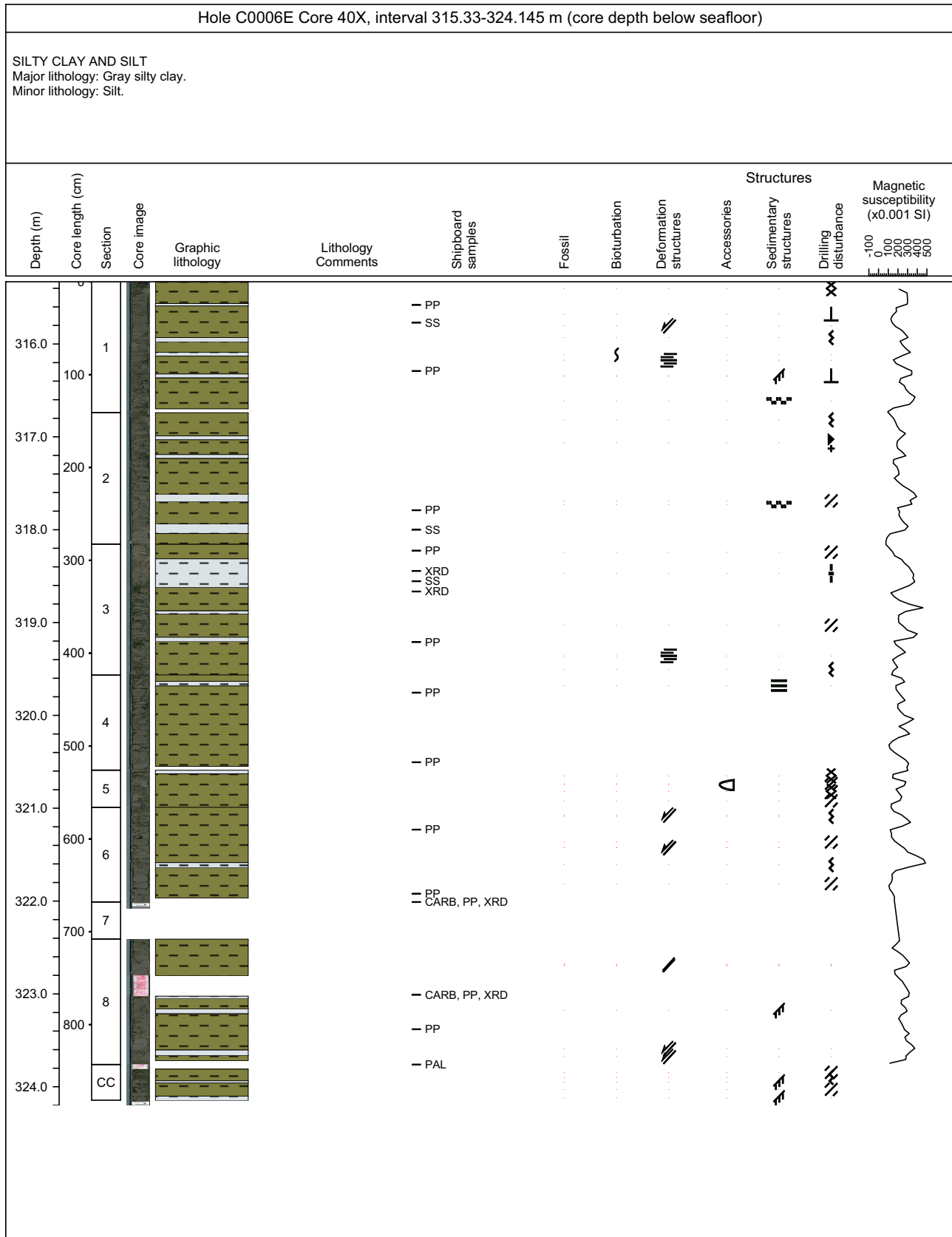
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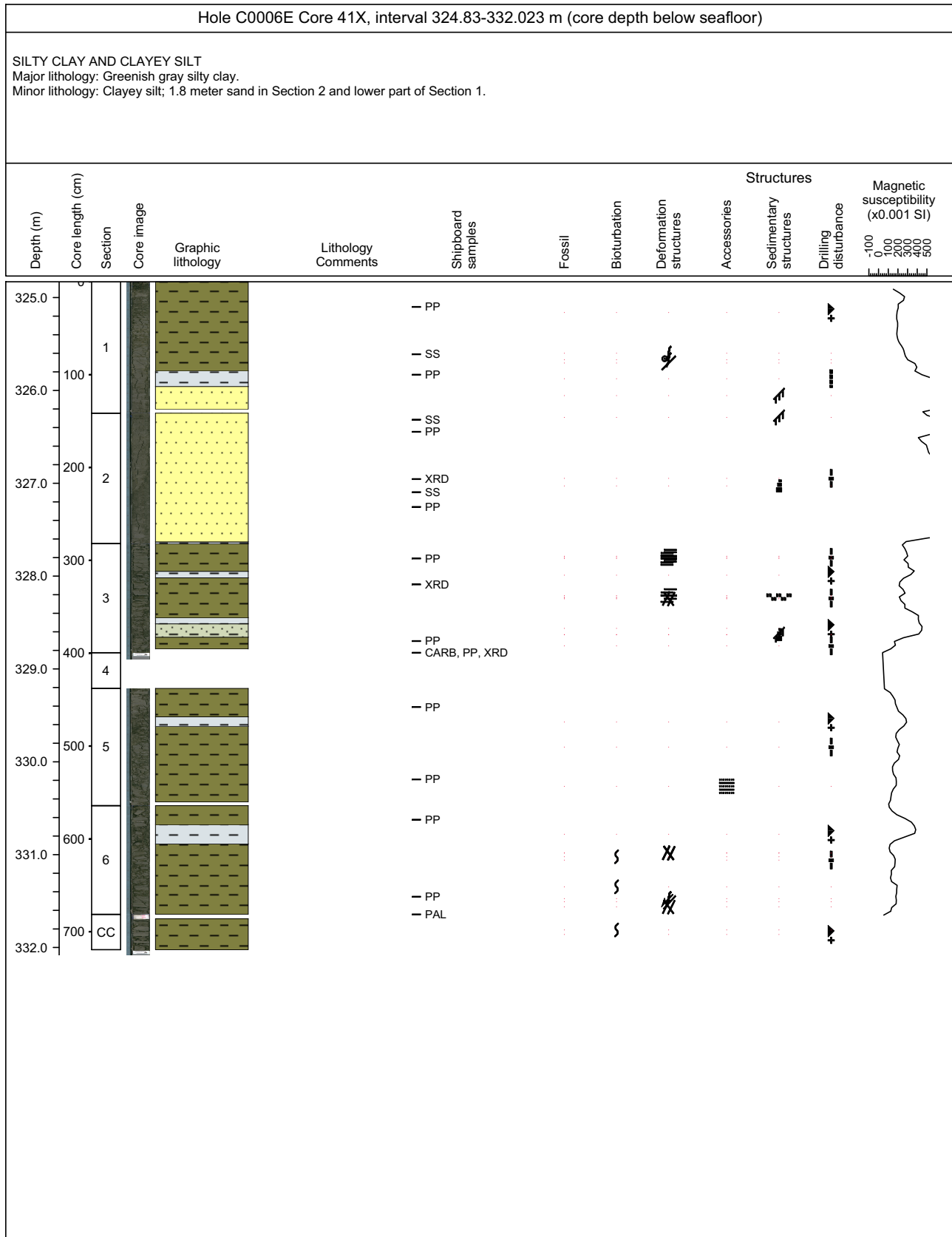
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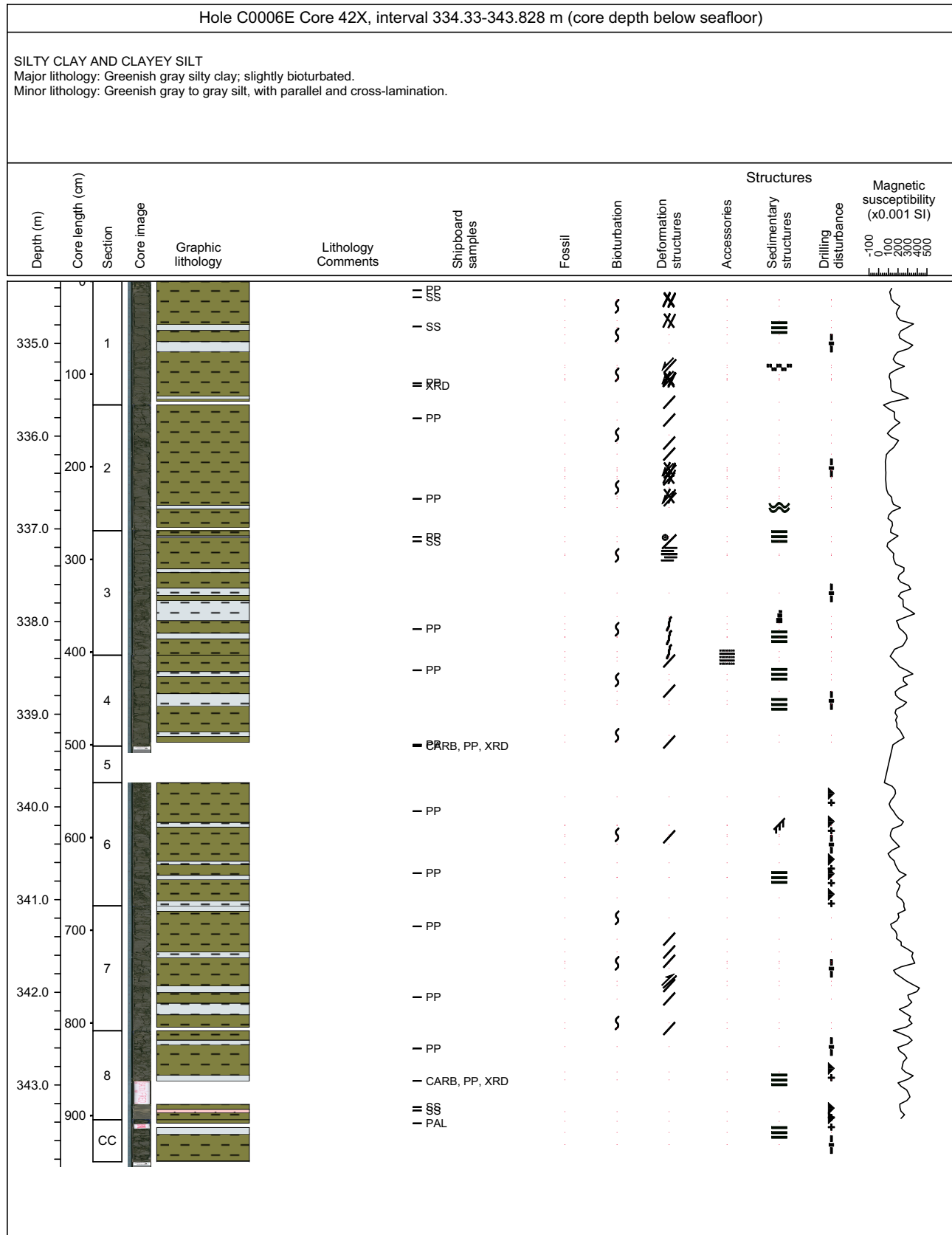
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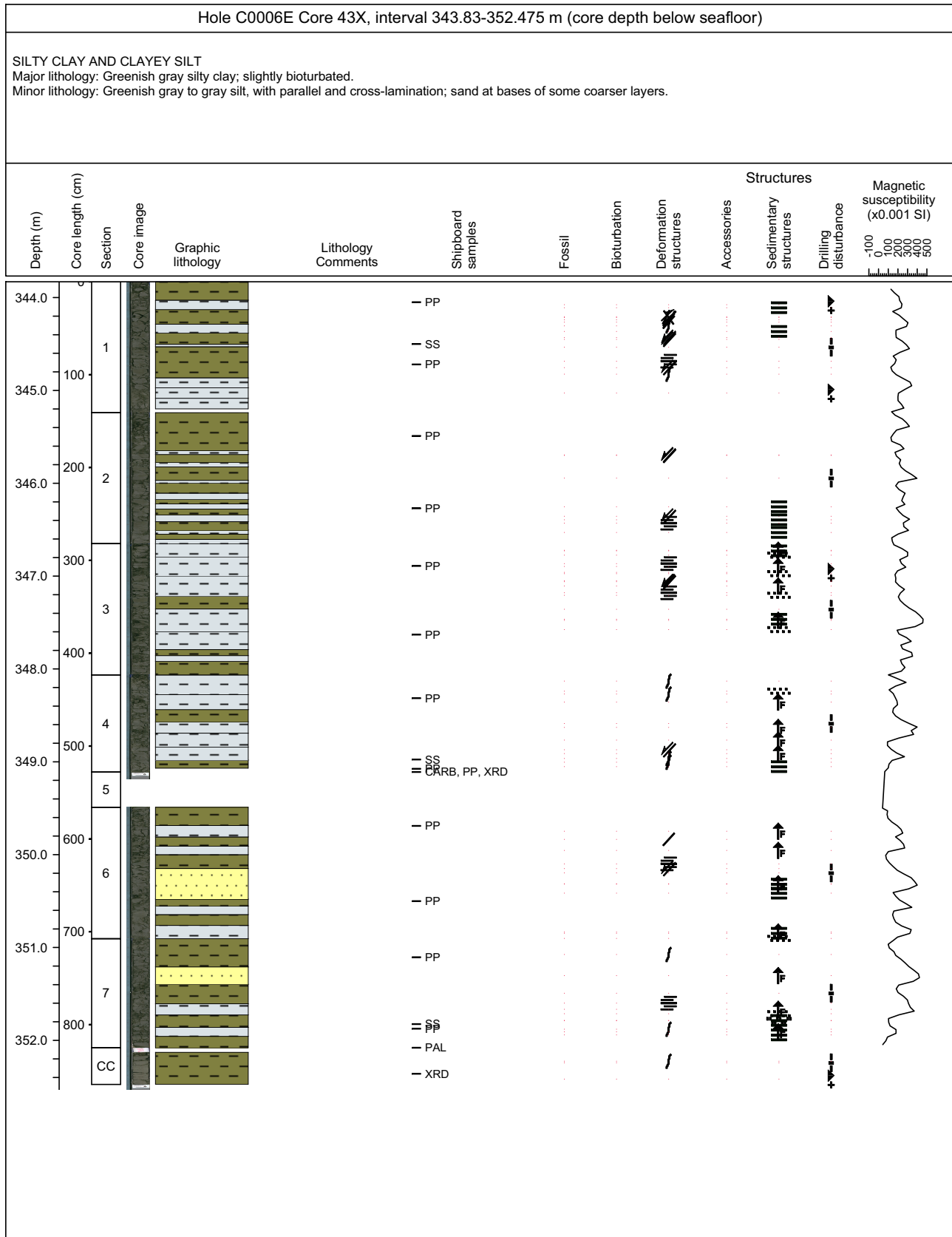
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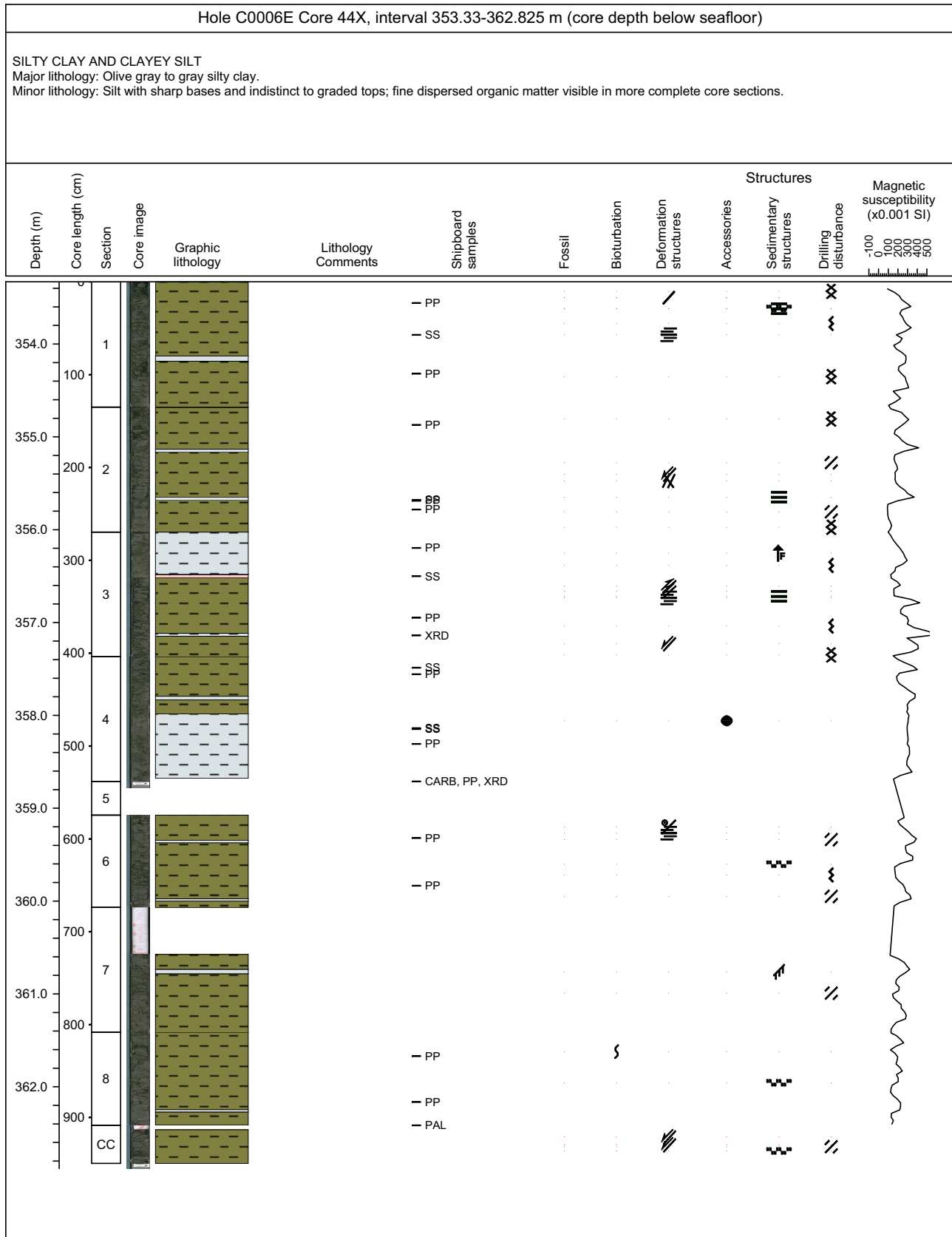
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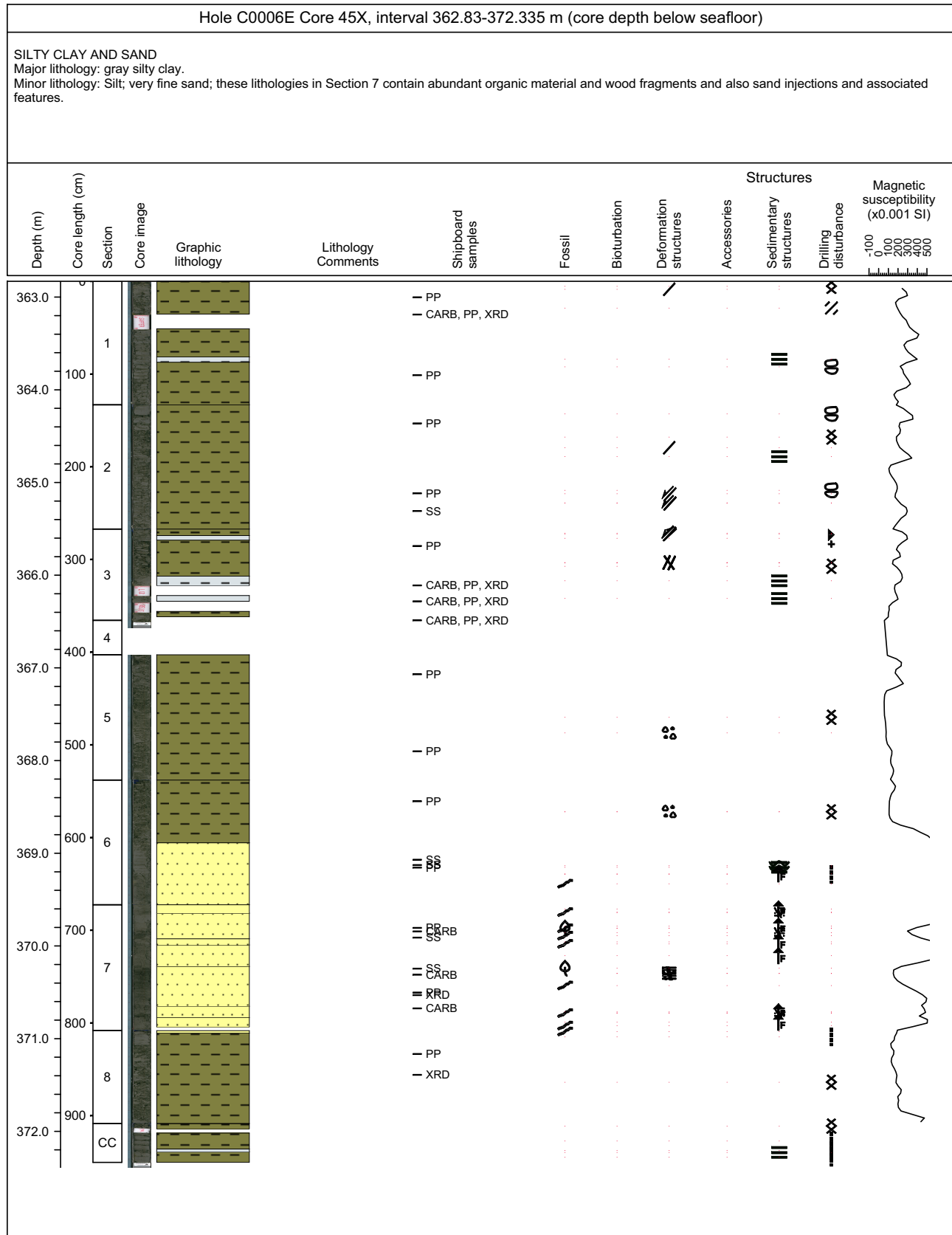
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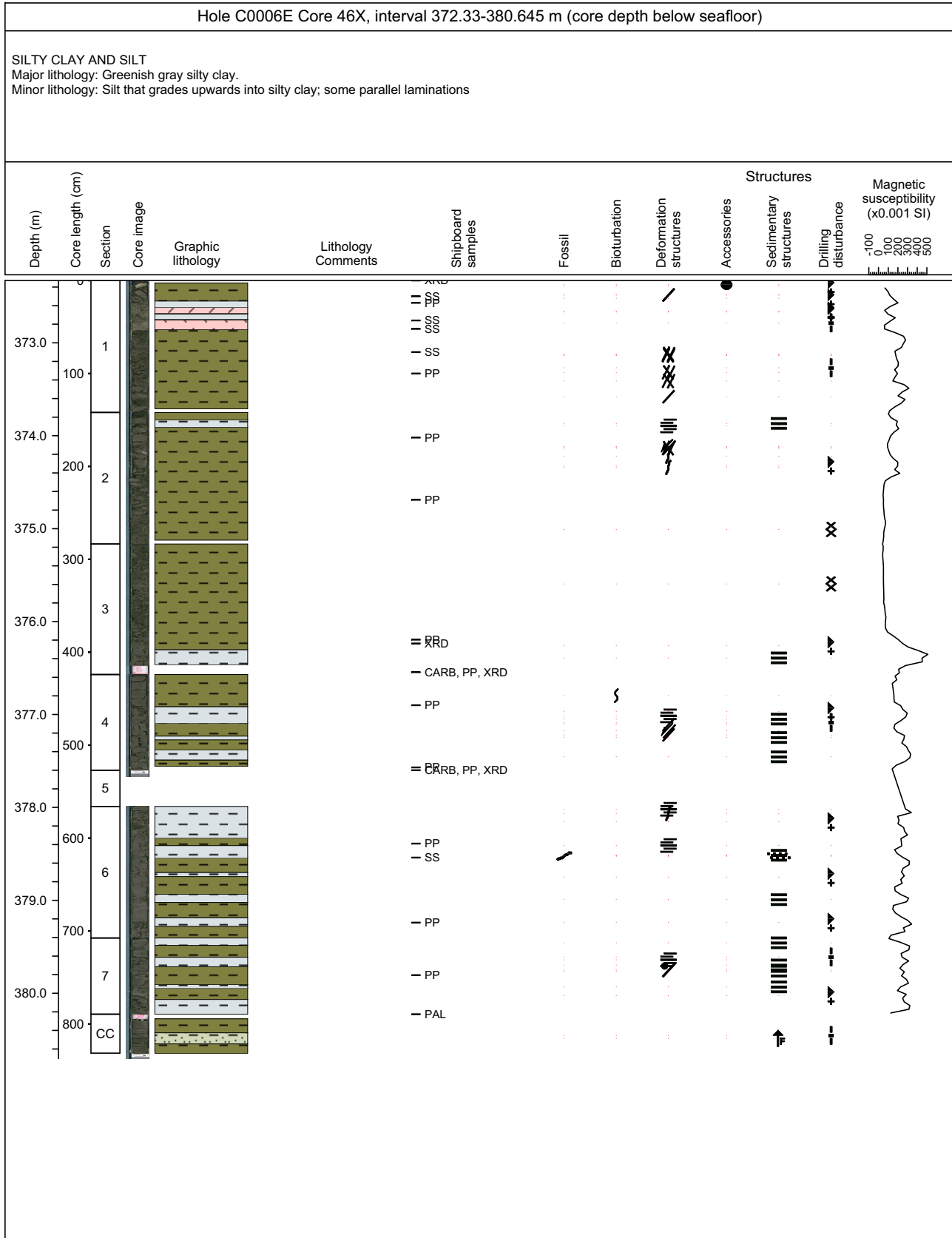
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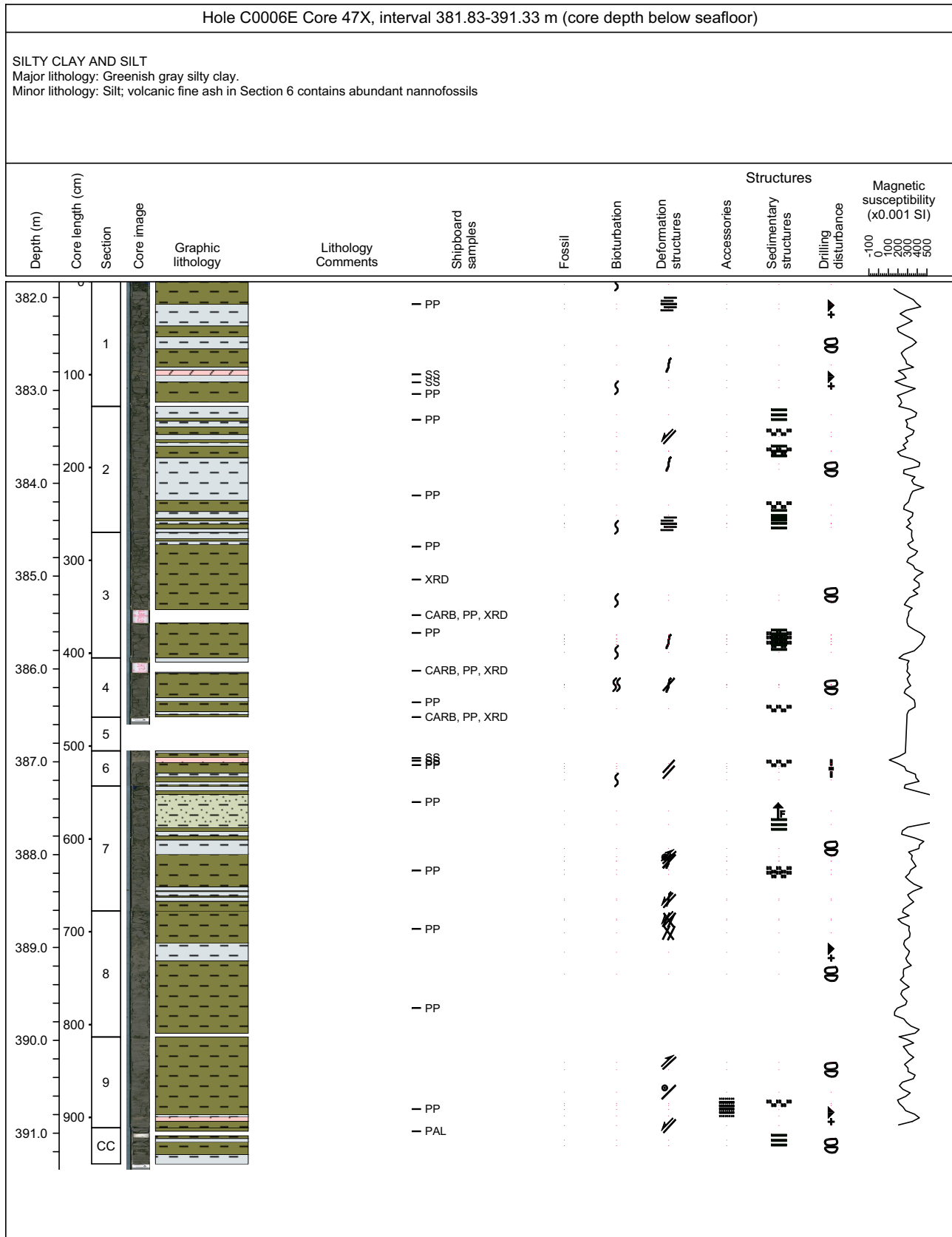
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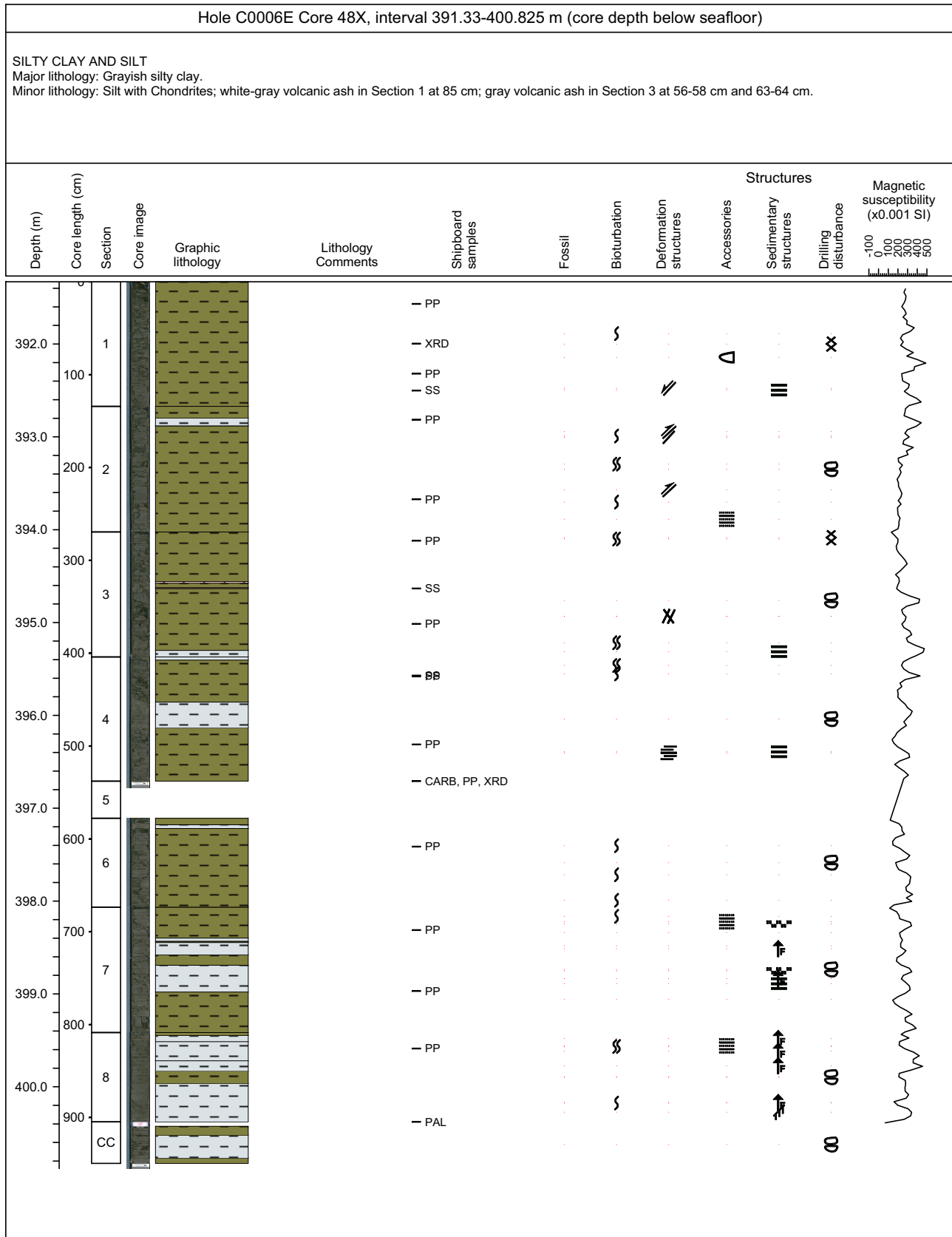
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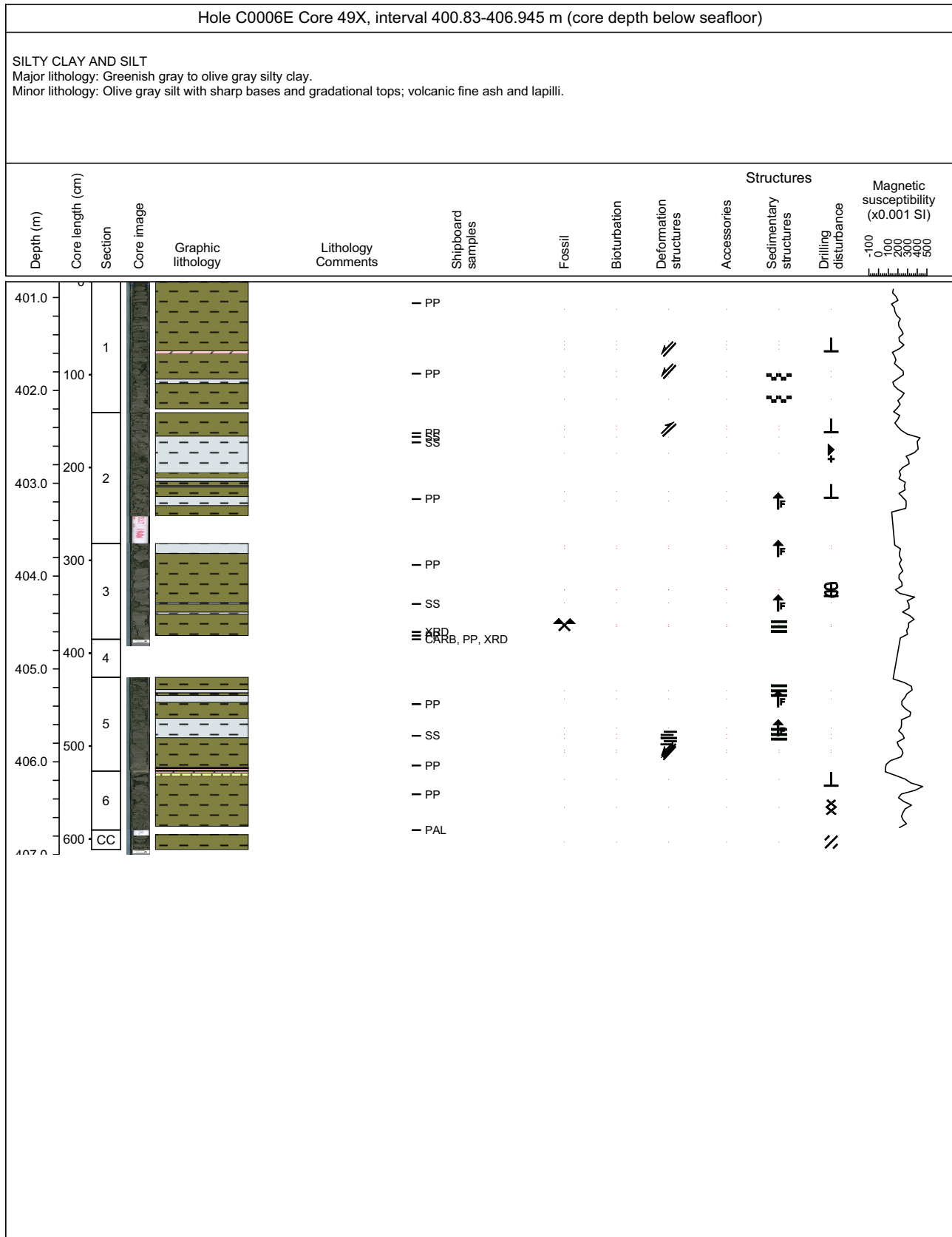
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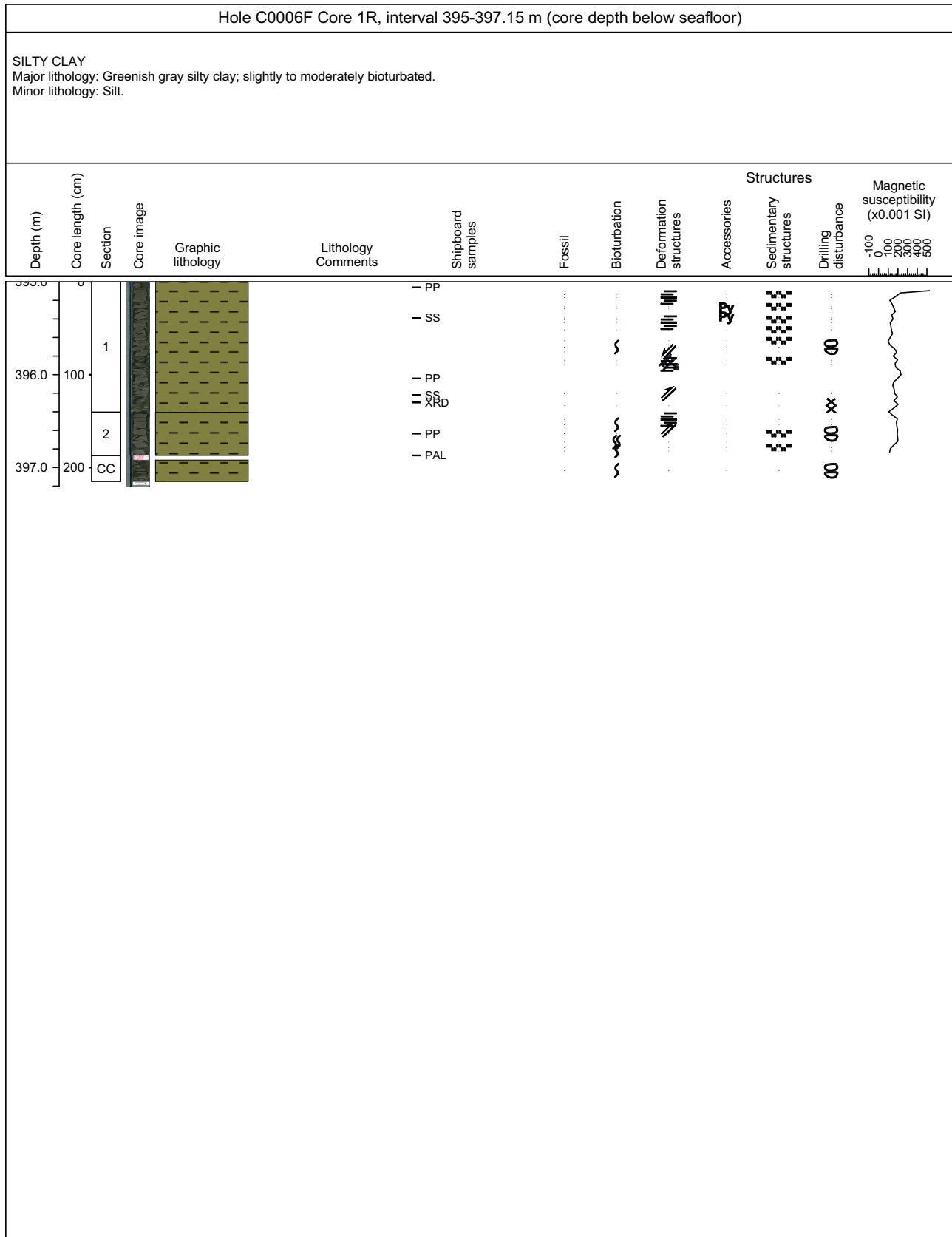
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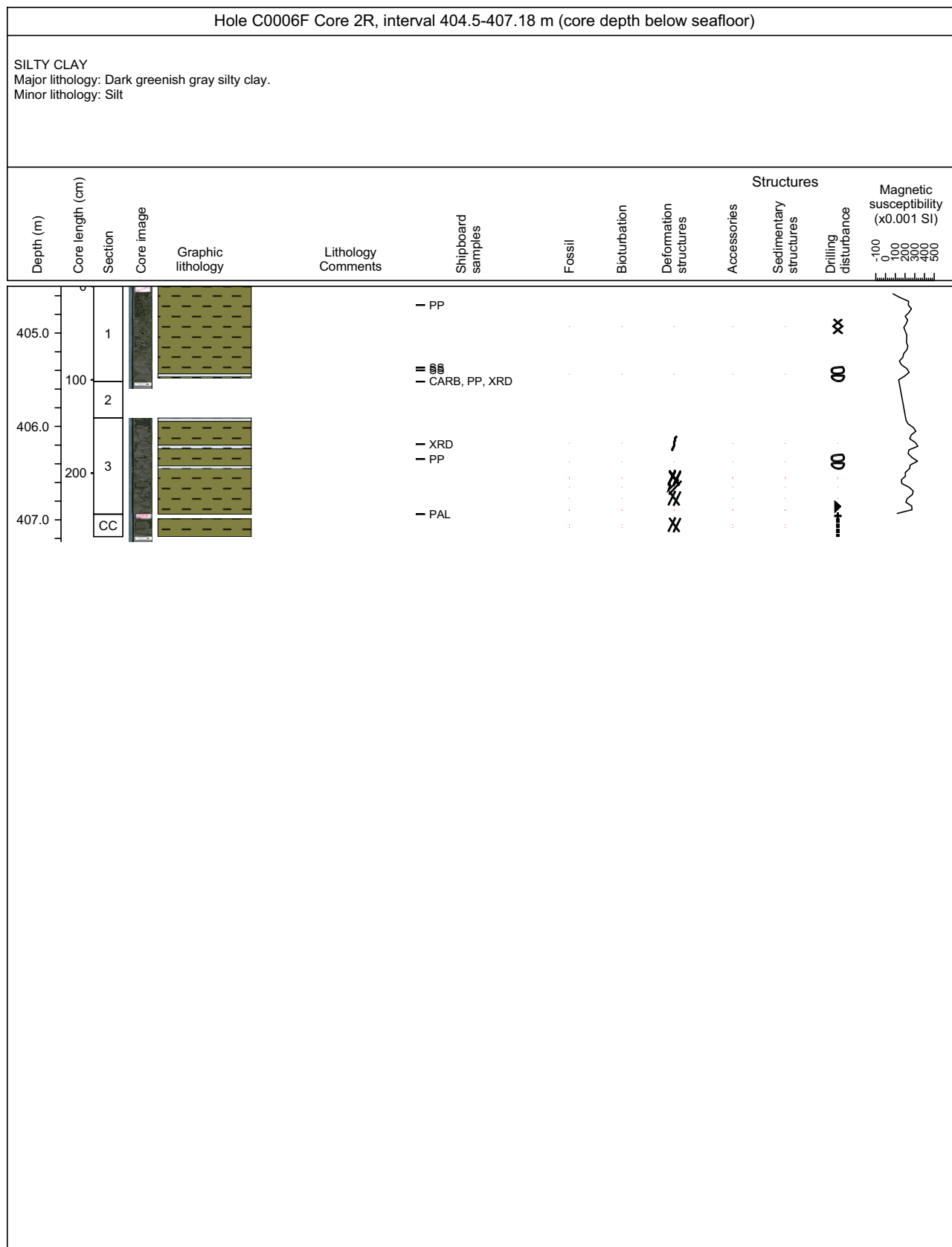
Core Photo



Core Photo



Core Photo

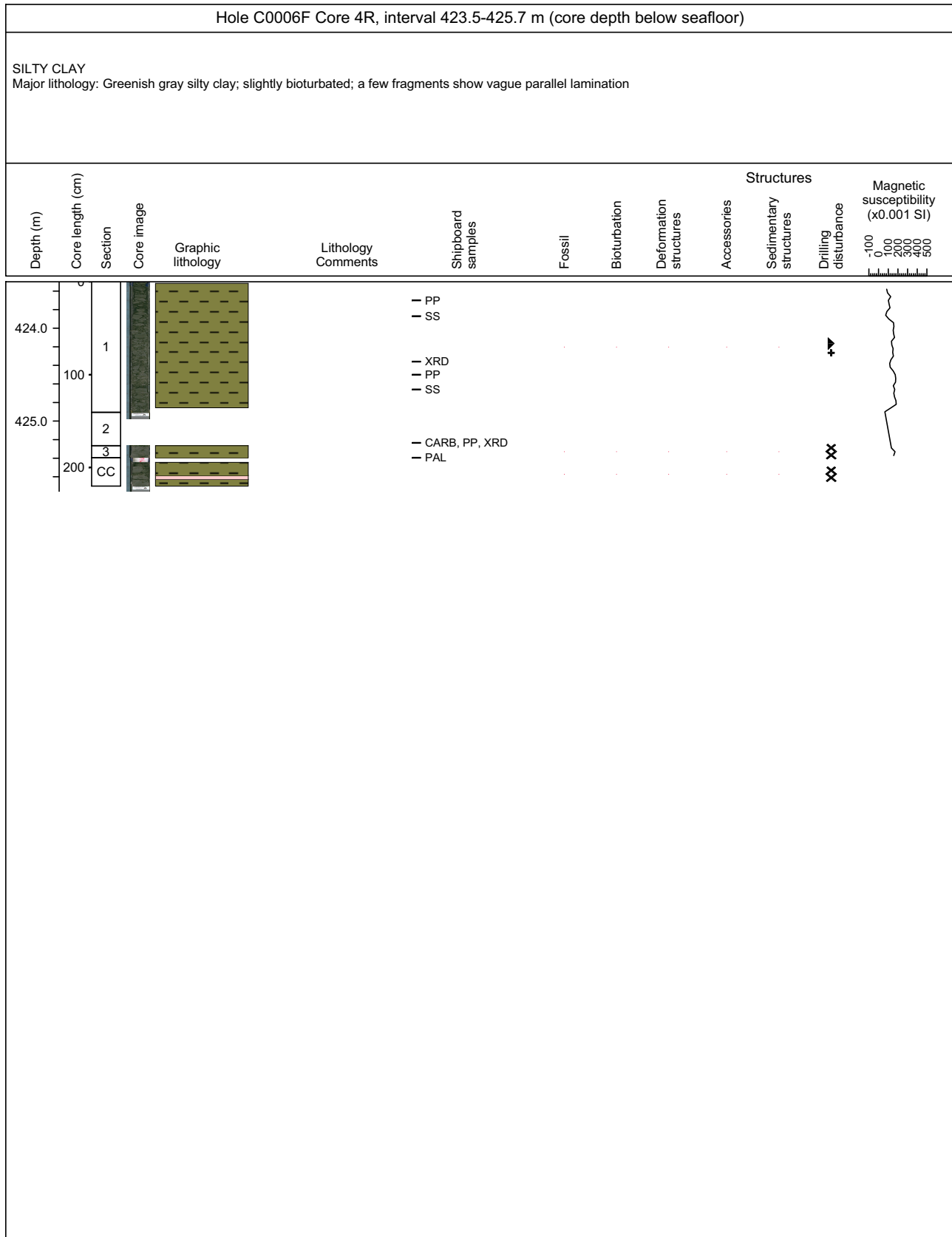


Core Photo

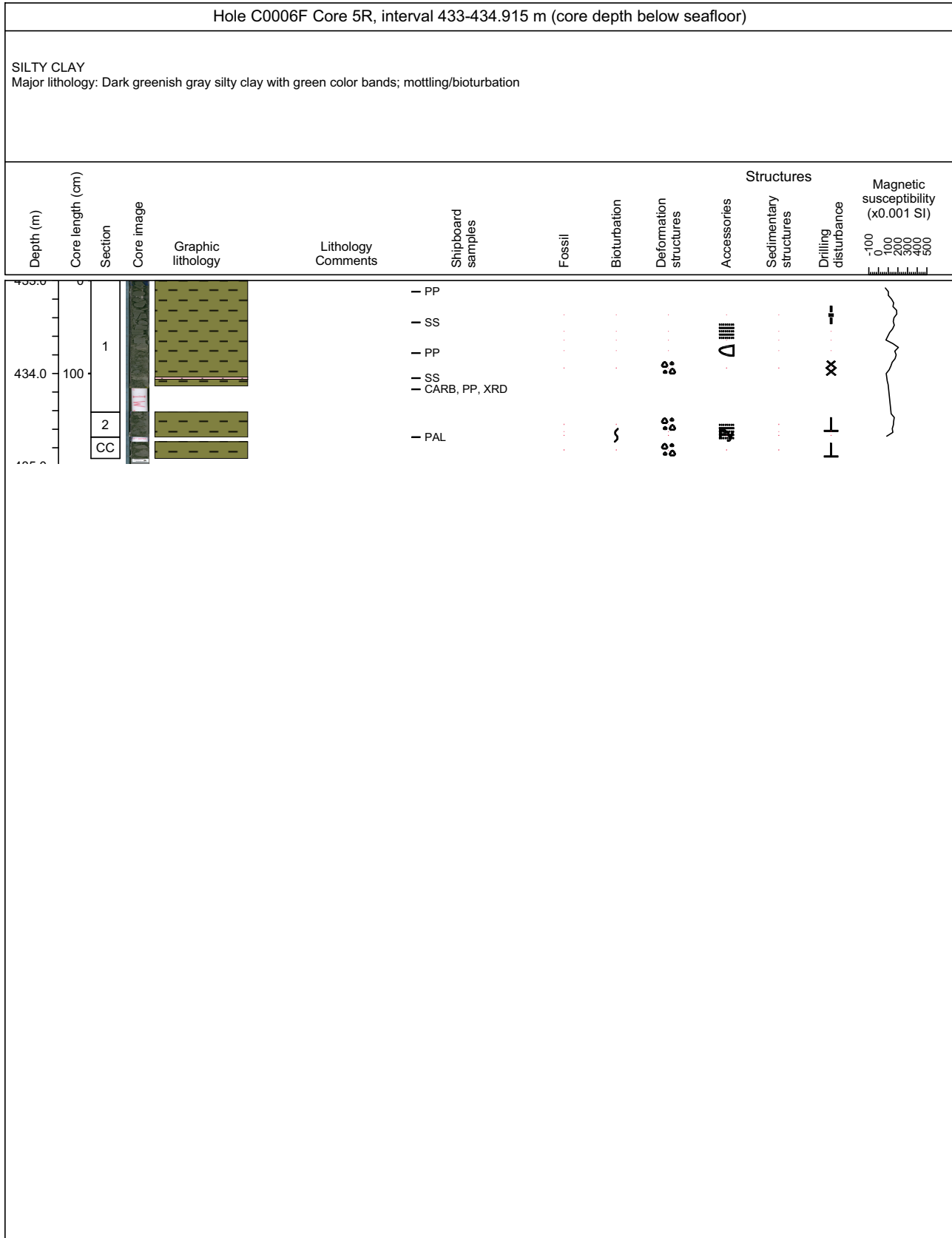
Hole C0006F Core 3R, interval 414-415.93 m (core depth below seafloor)													
SILTY CLAY Major lithology: Greenish gray silty clay; slightly bioturbated													
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures Sedimentary structures	Drilling disturbance	Magnetic susceptibility (x0.001 SI)
414.0	100	1				SS							
415.0	100	2				SS							
416.0		3				SS							
		CC				SS							



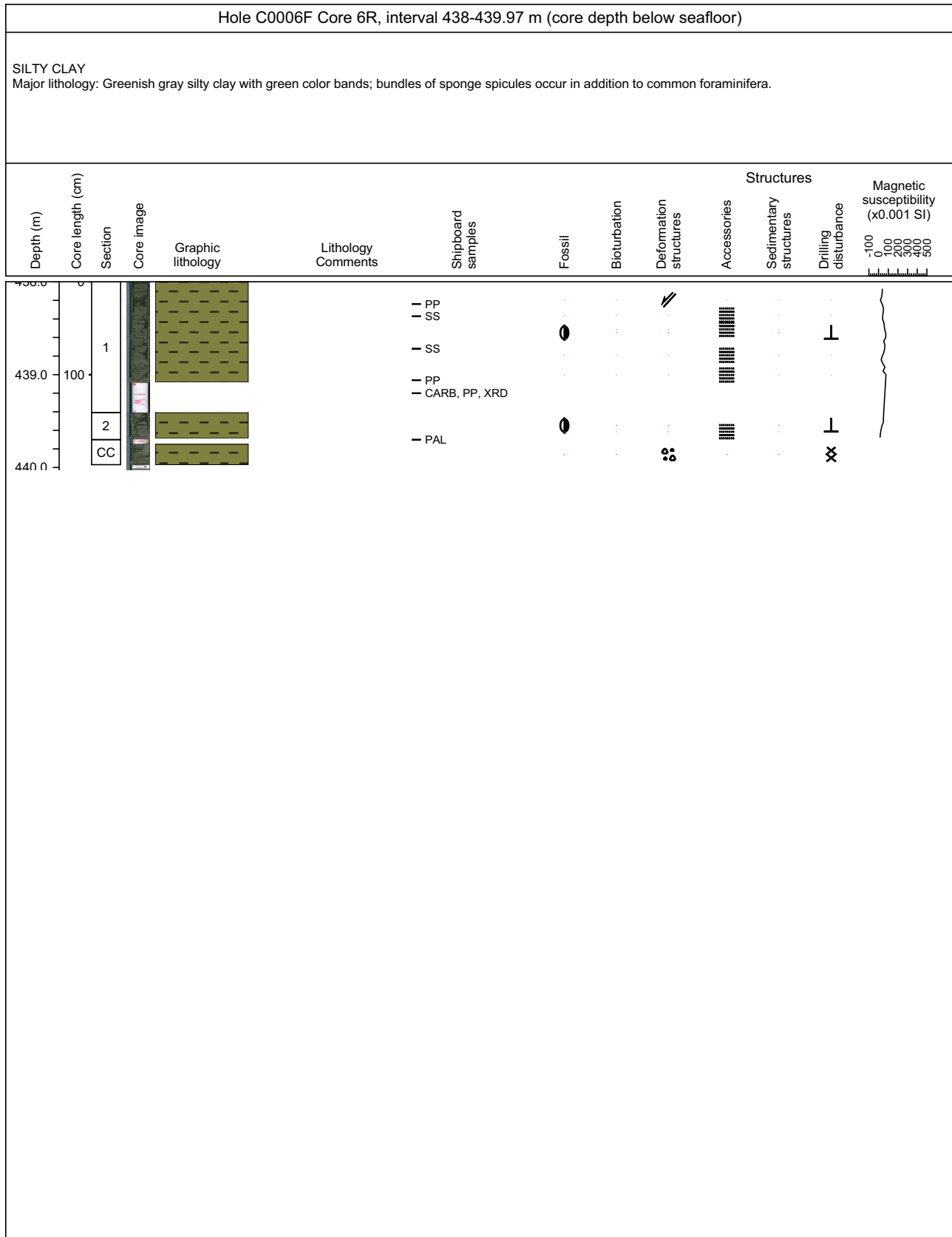
Core Photo



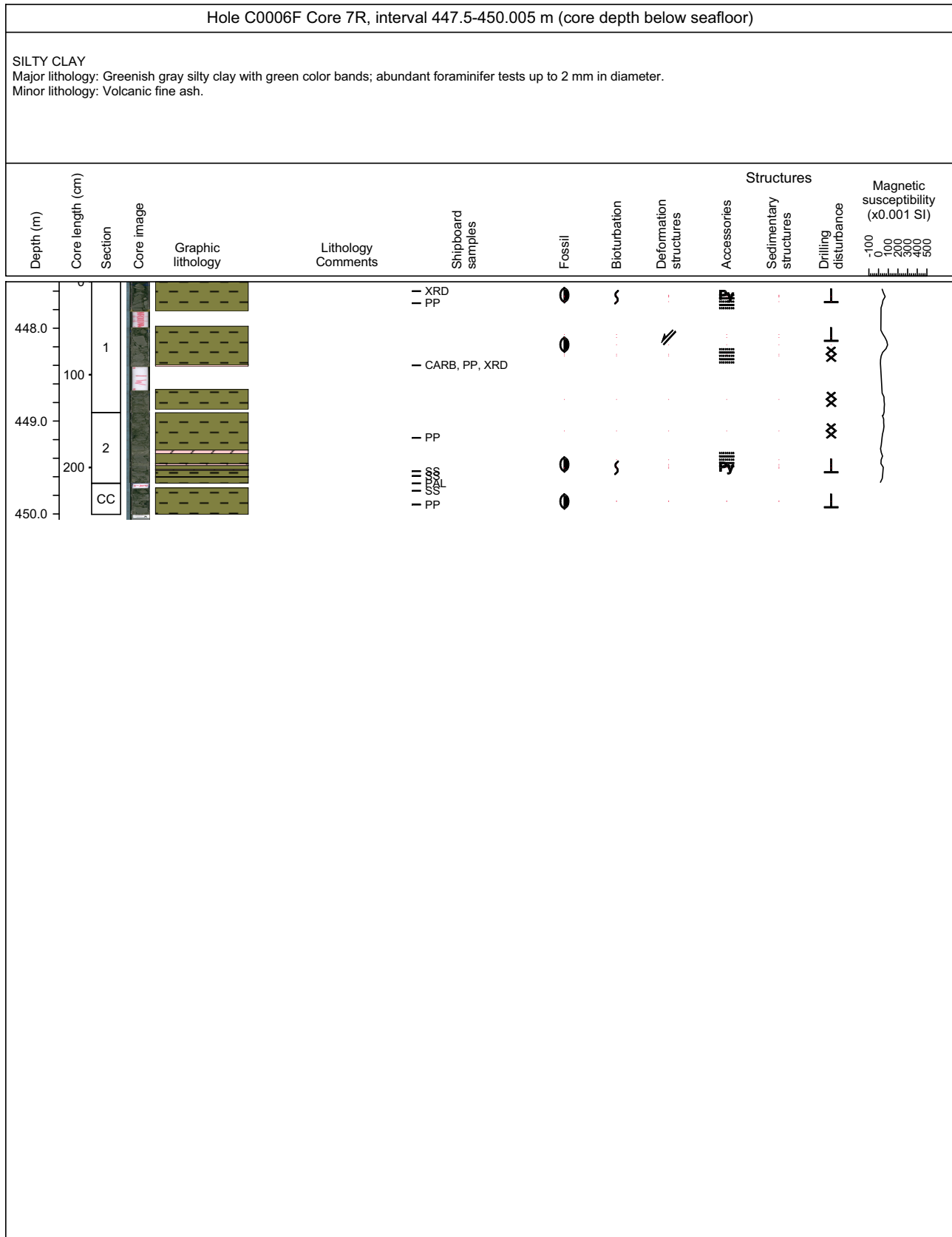
Core Photo



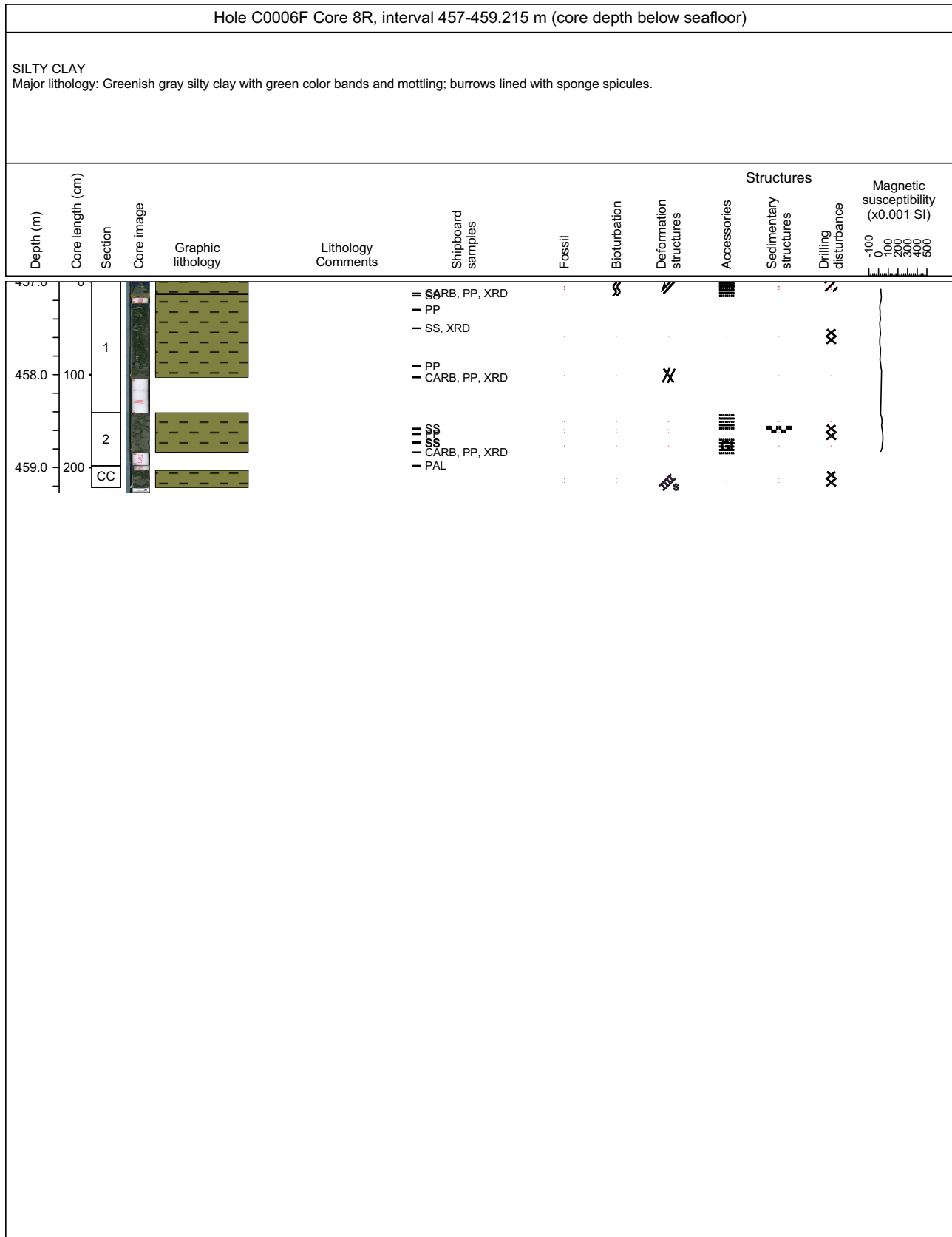
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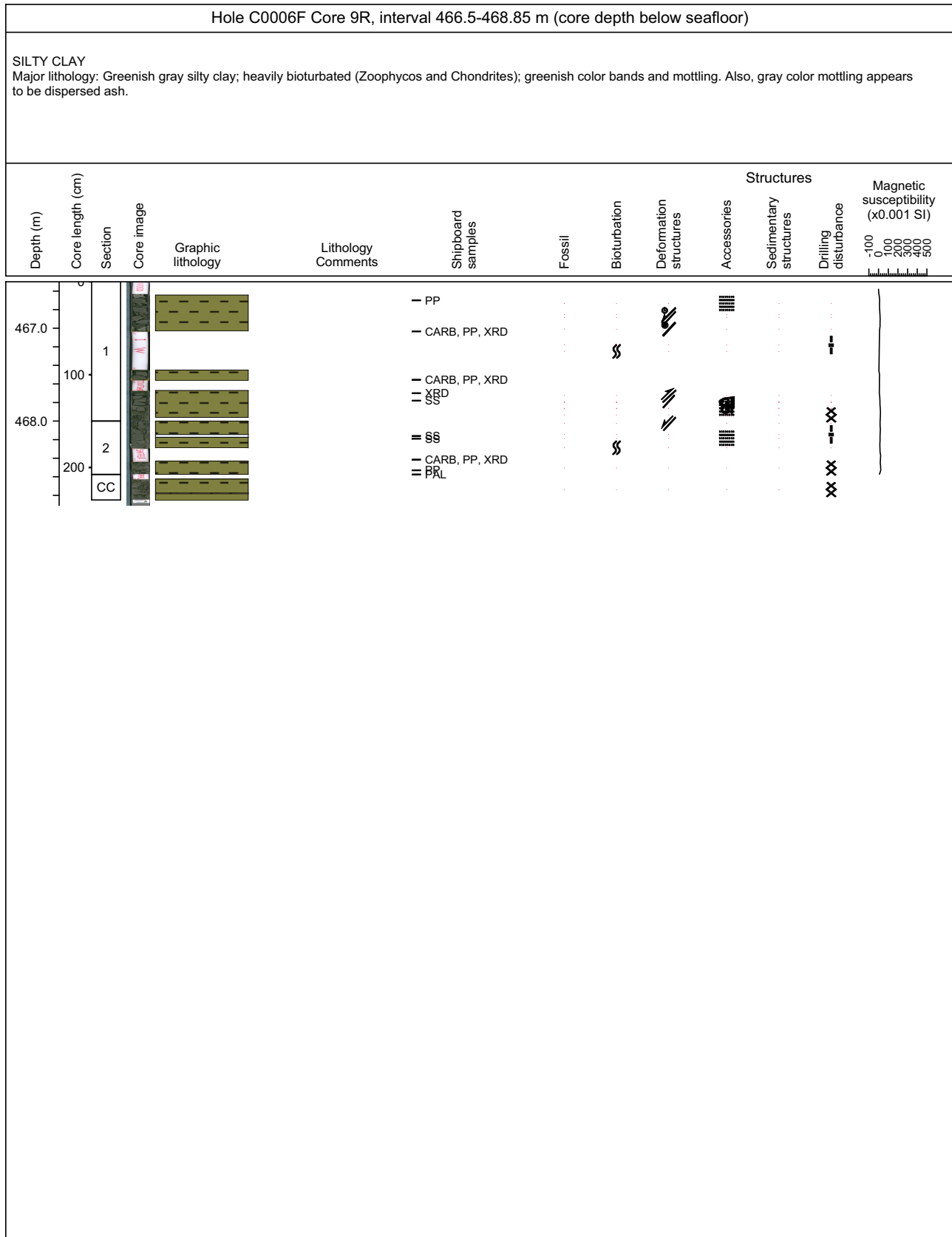
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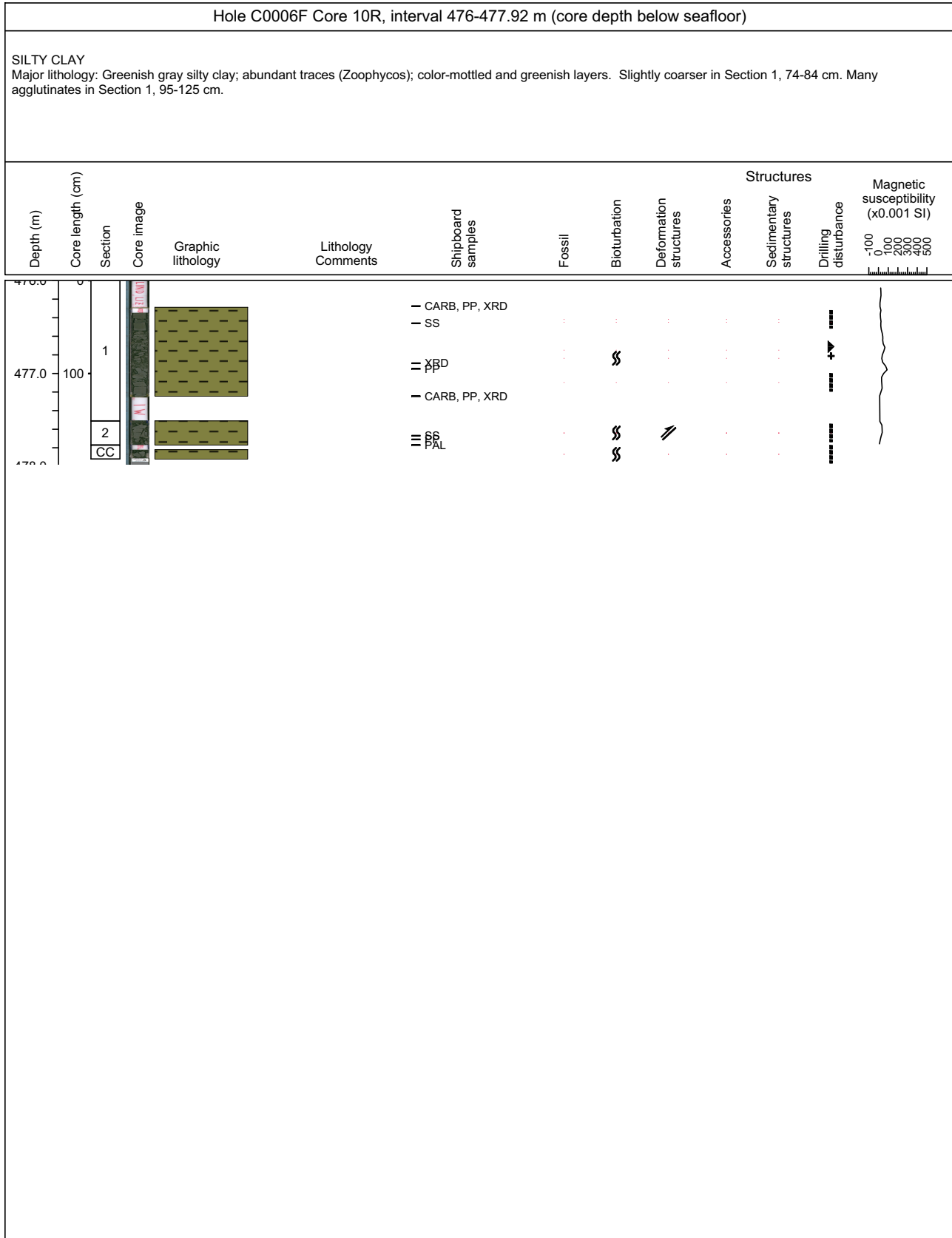
Core Photo



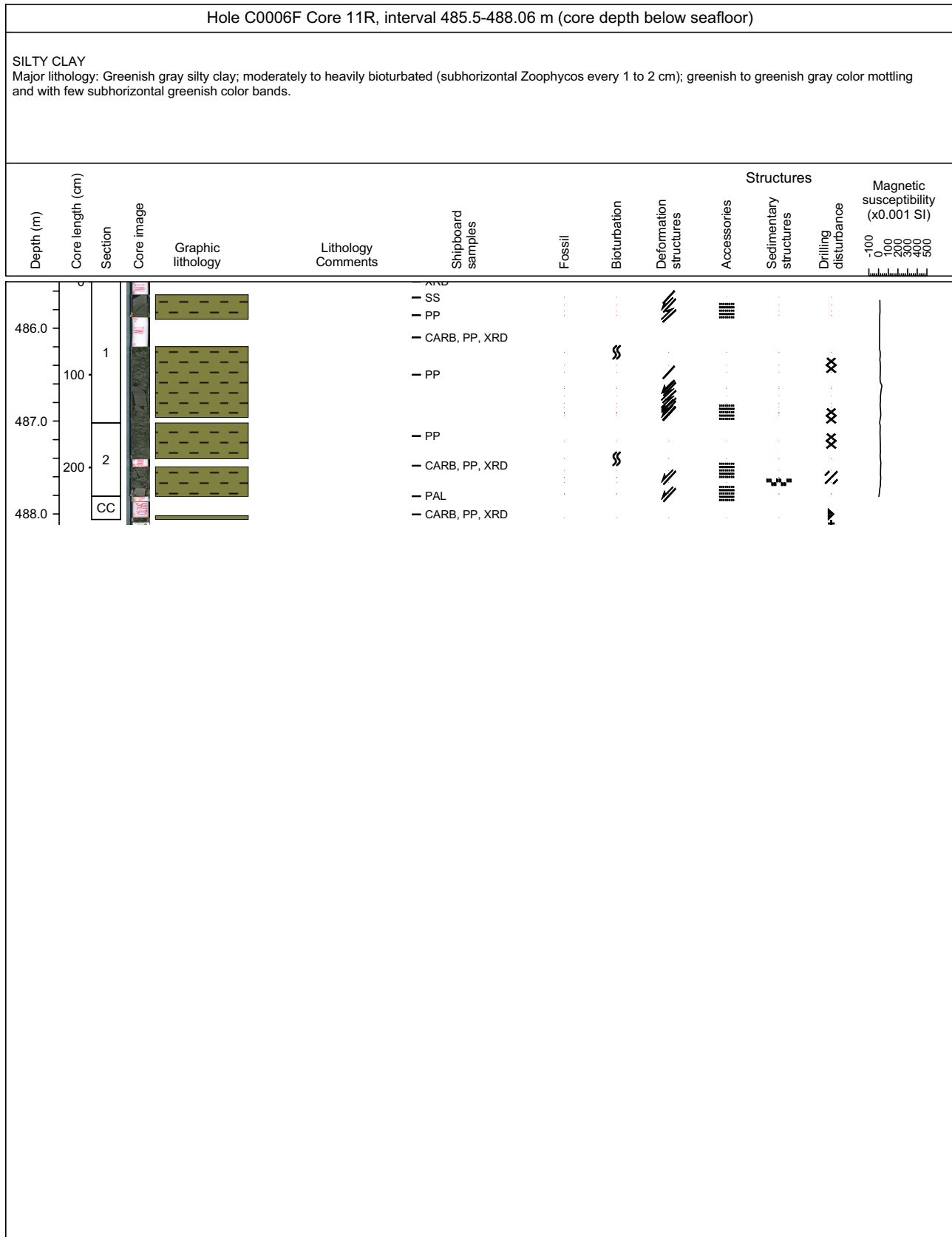
Core Photo



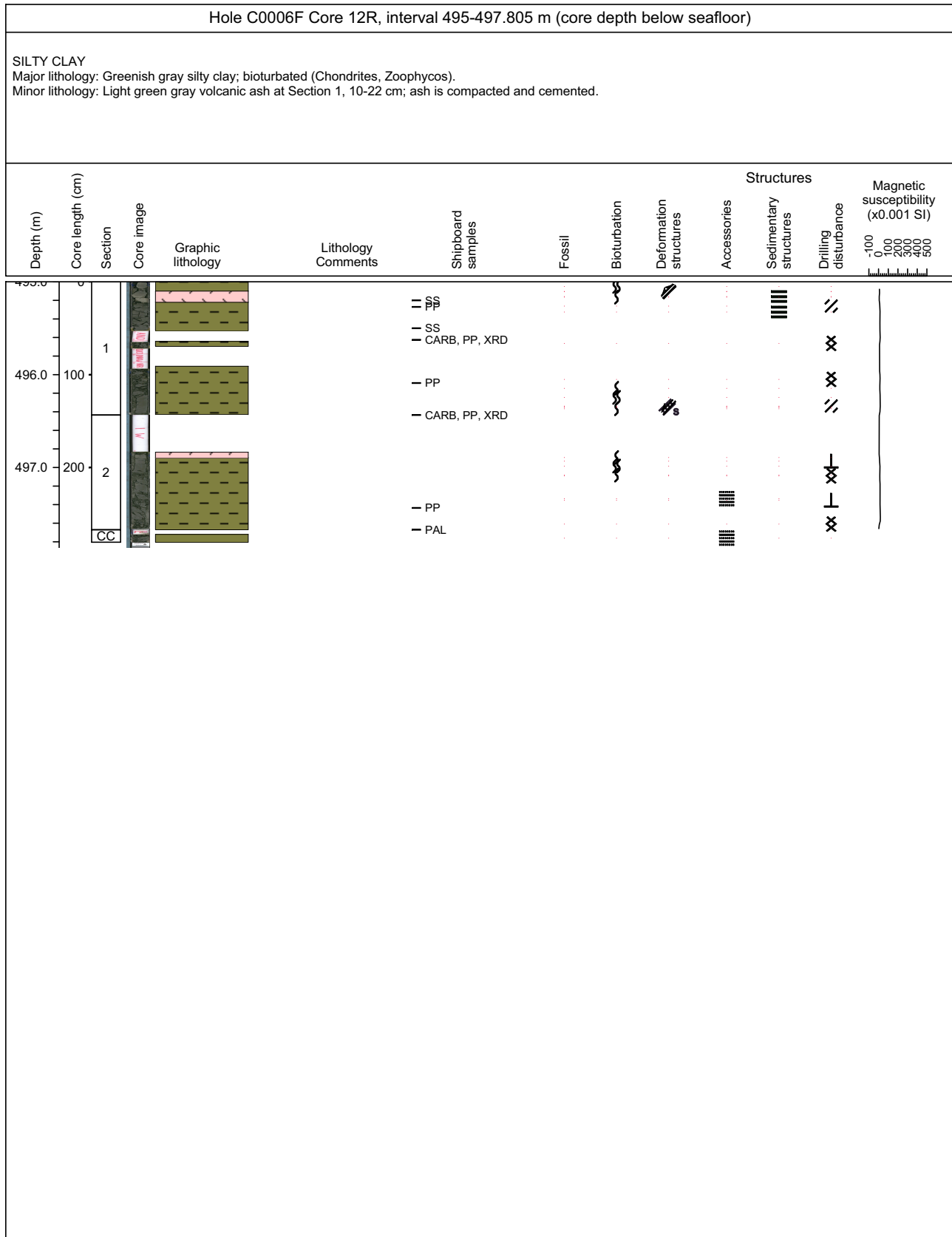
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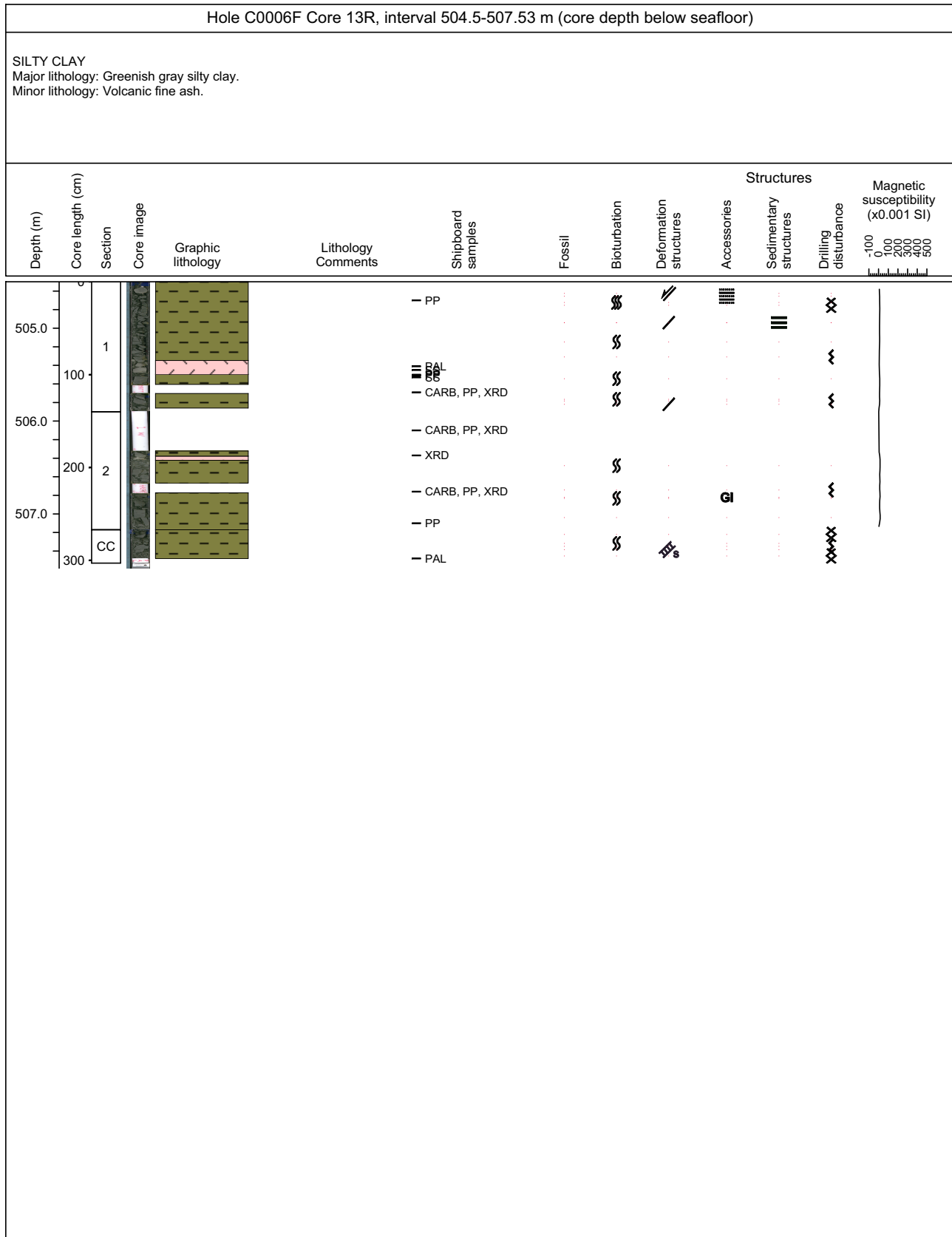
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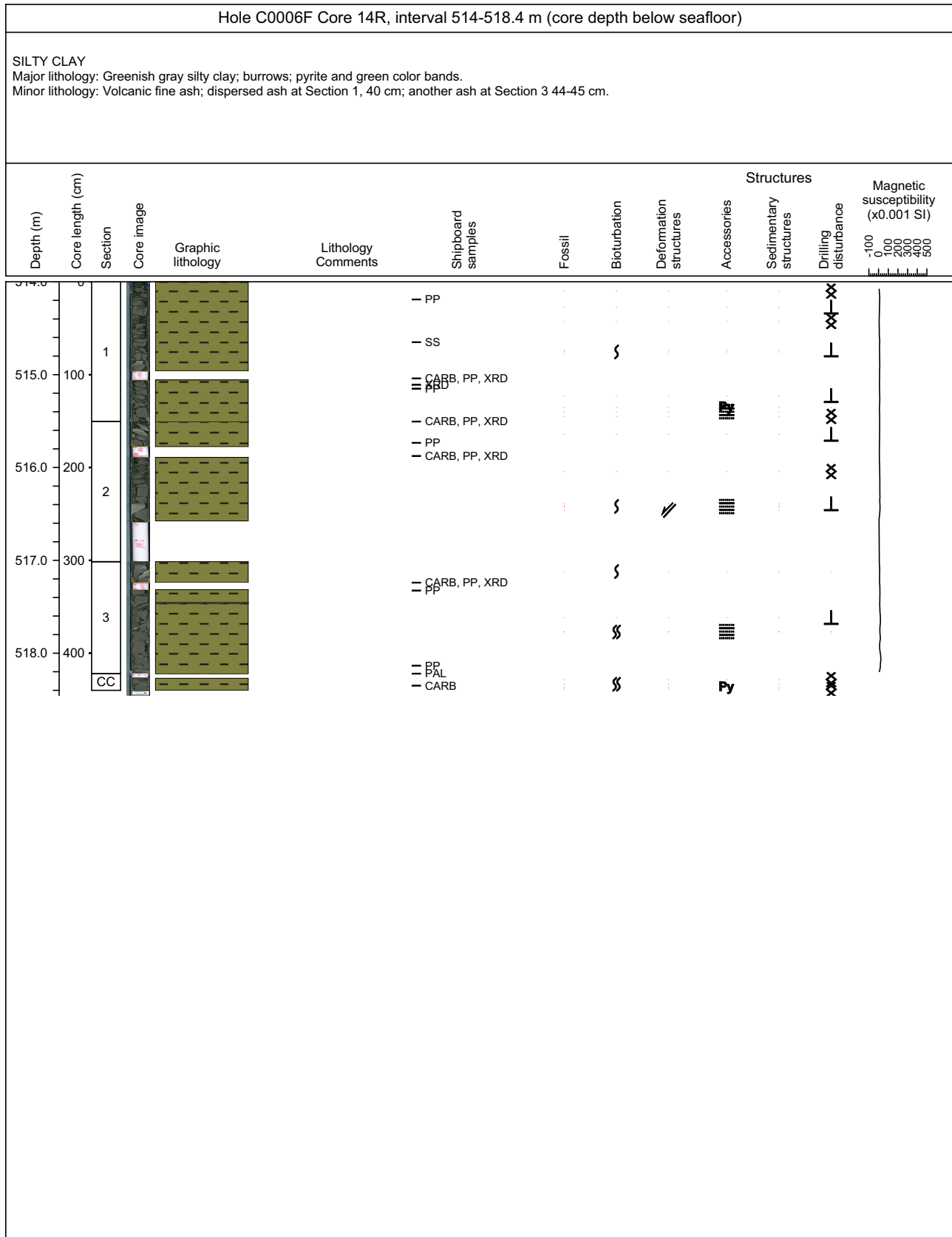
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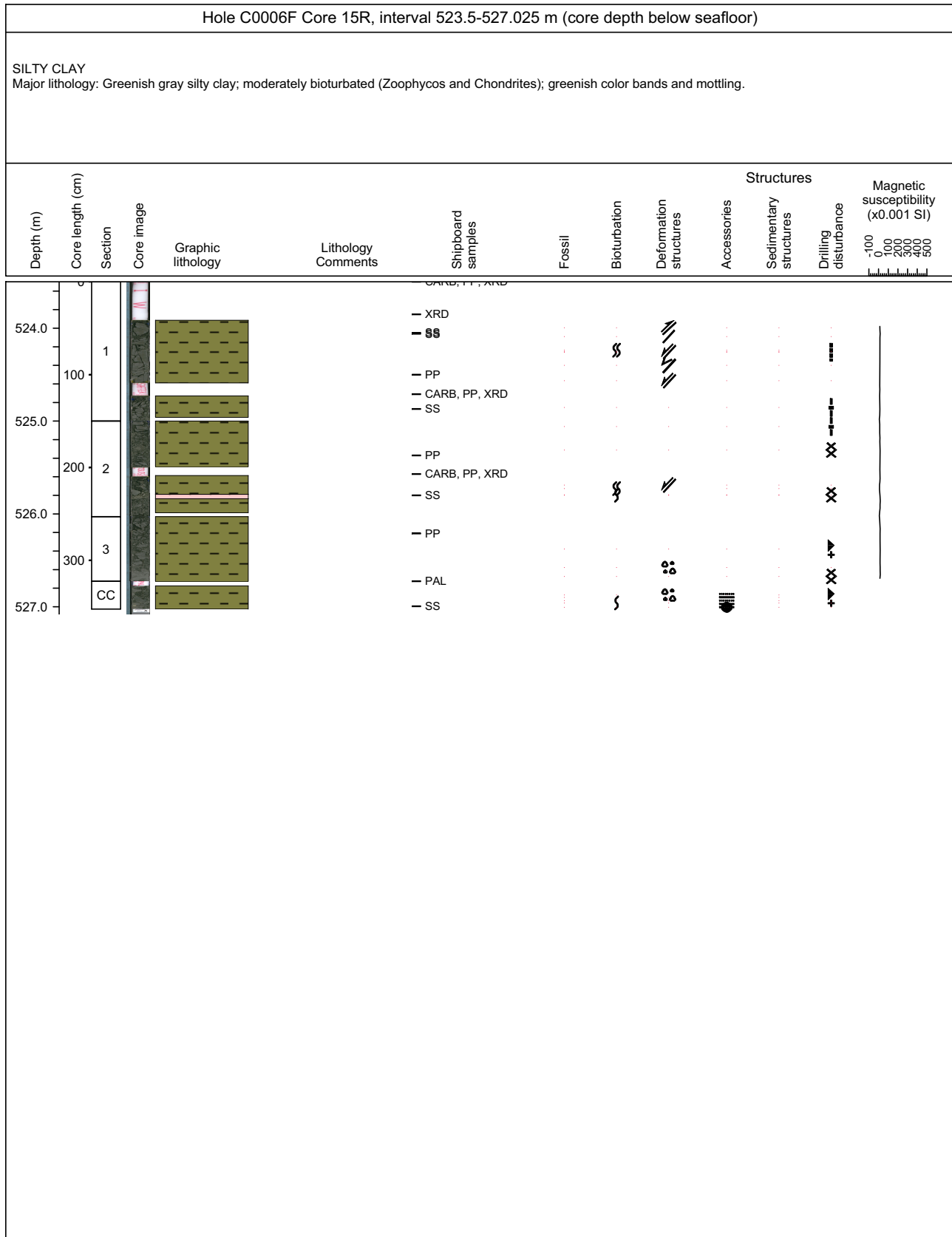
Core Photo



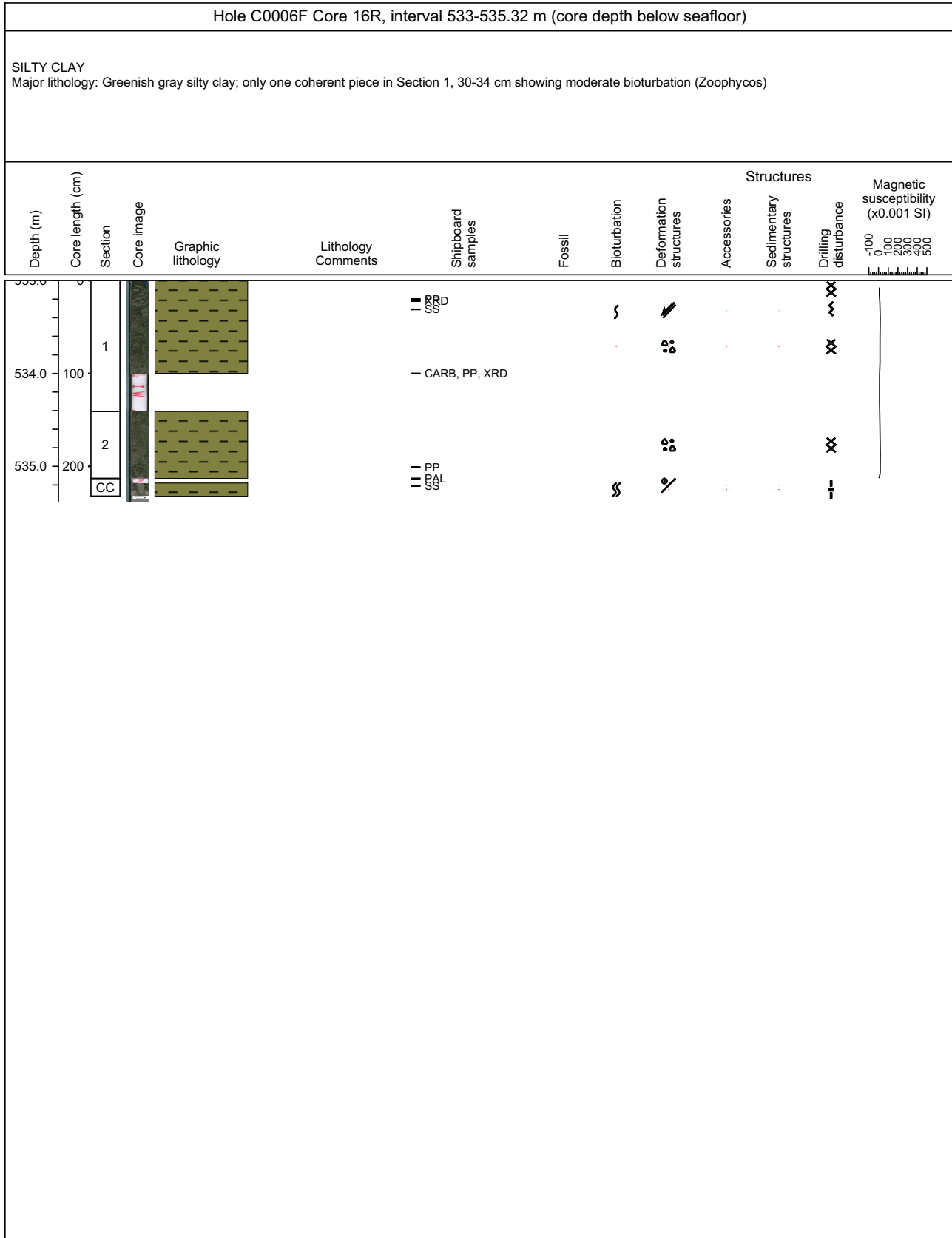
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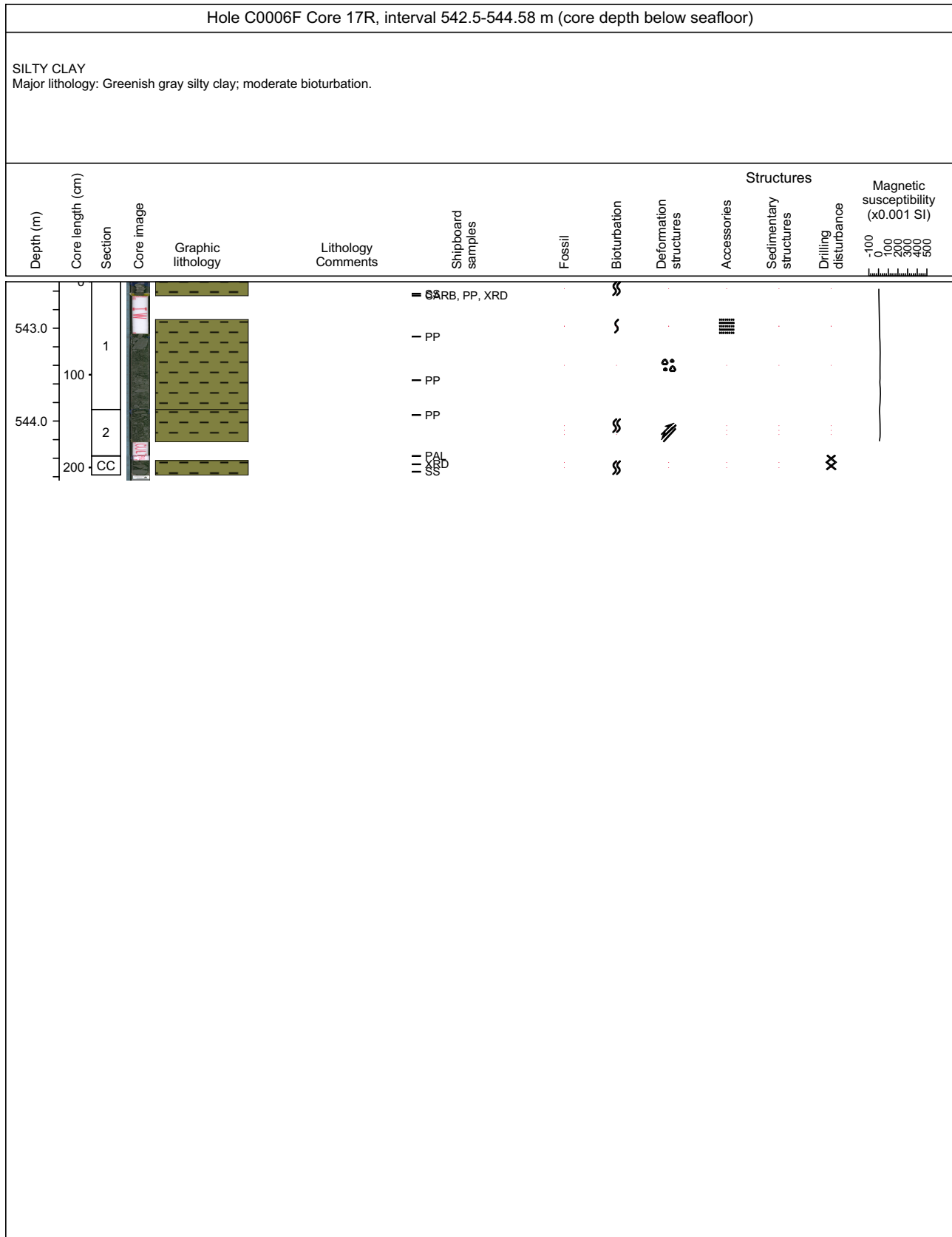
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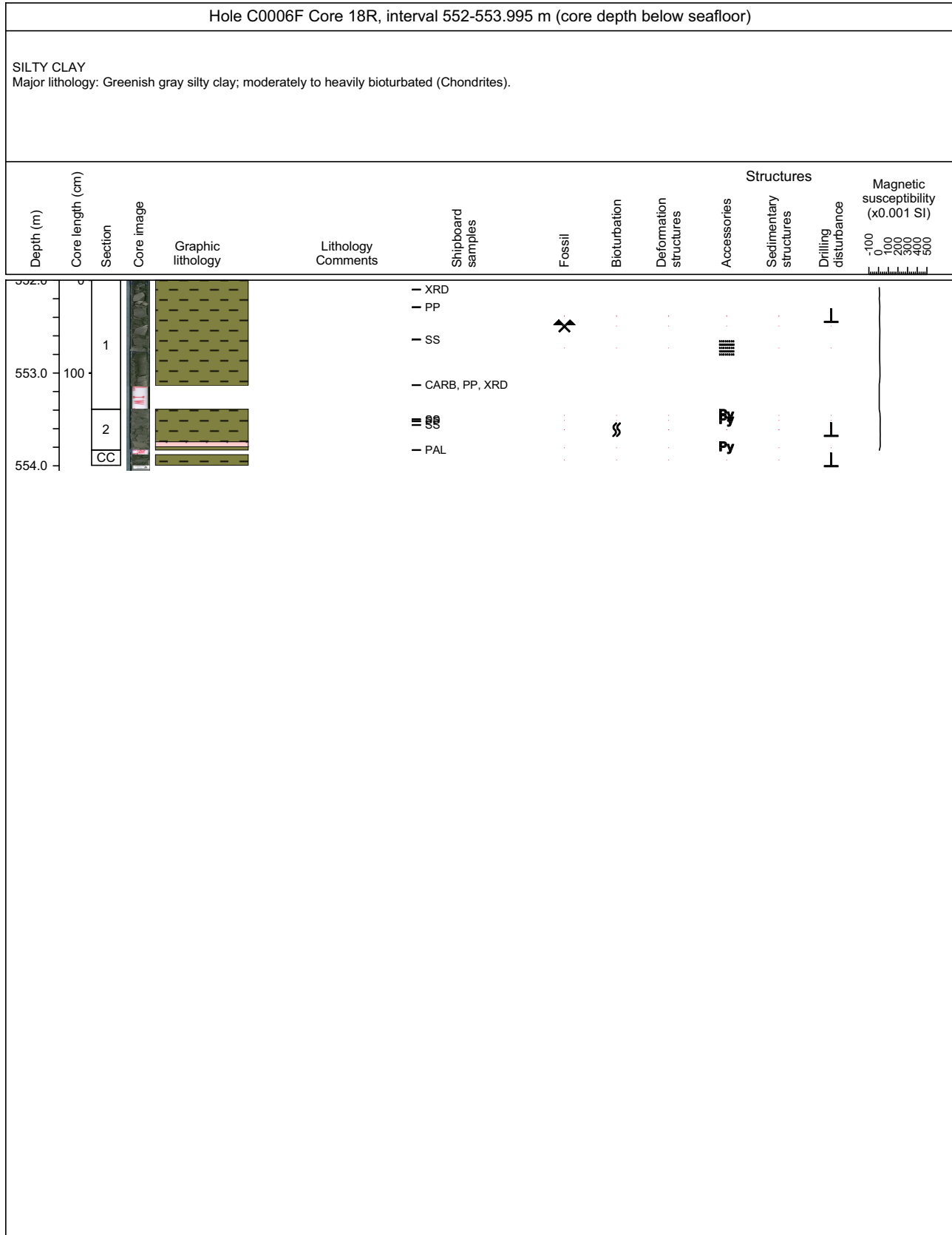
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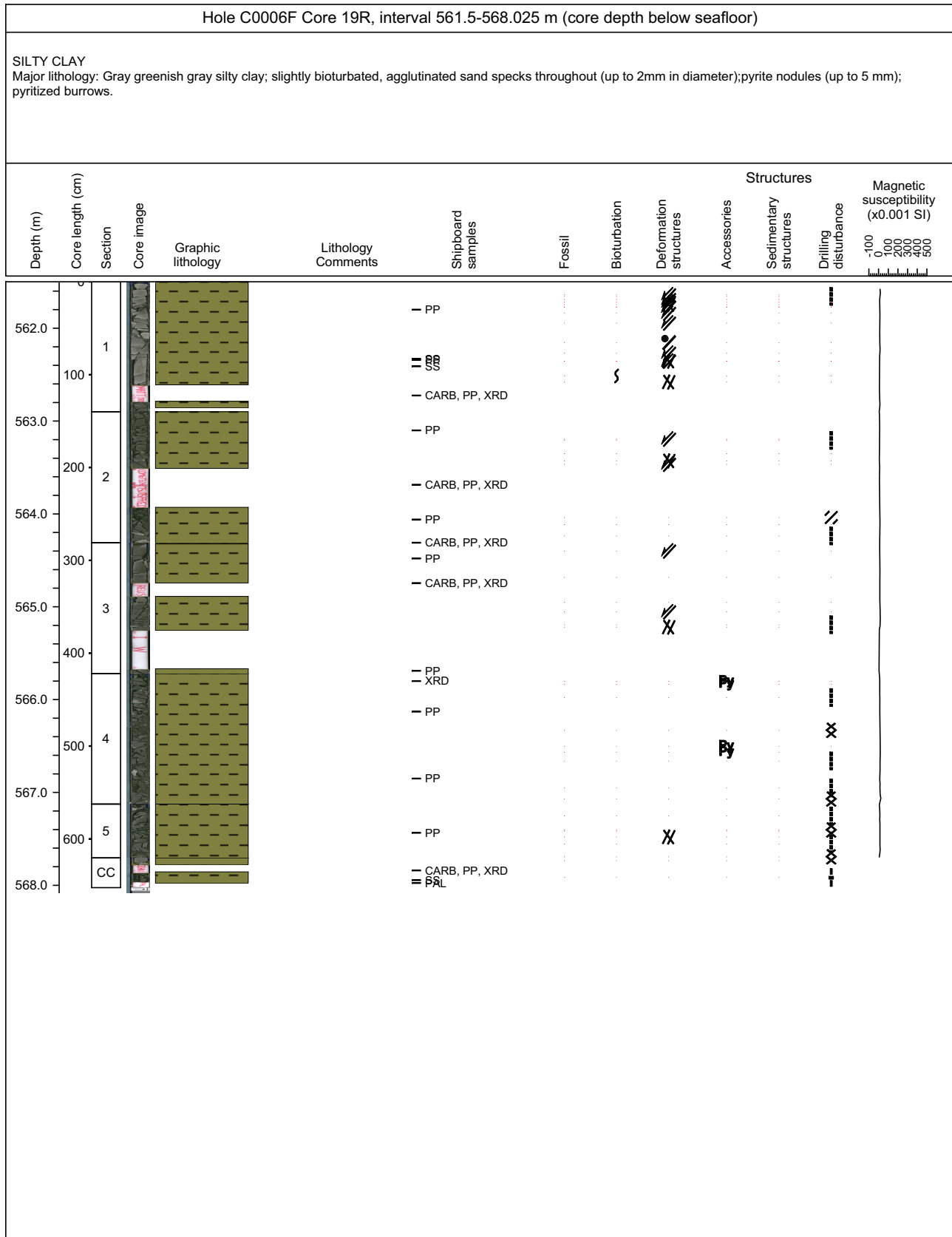
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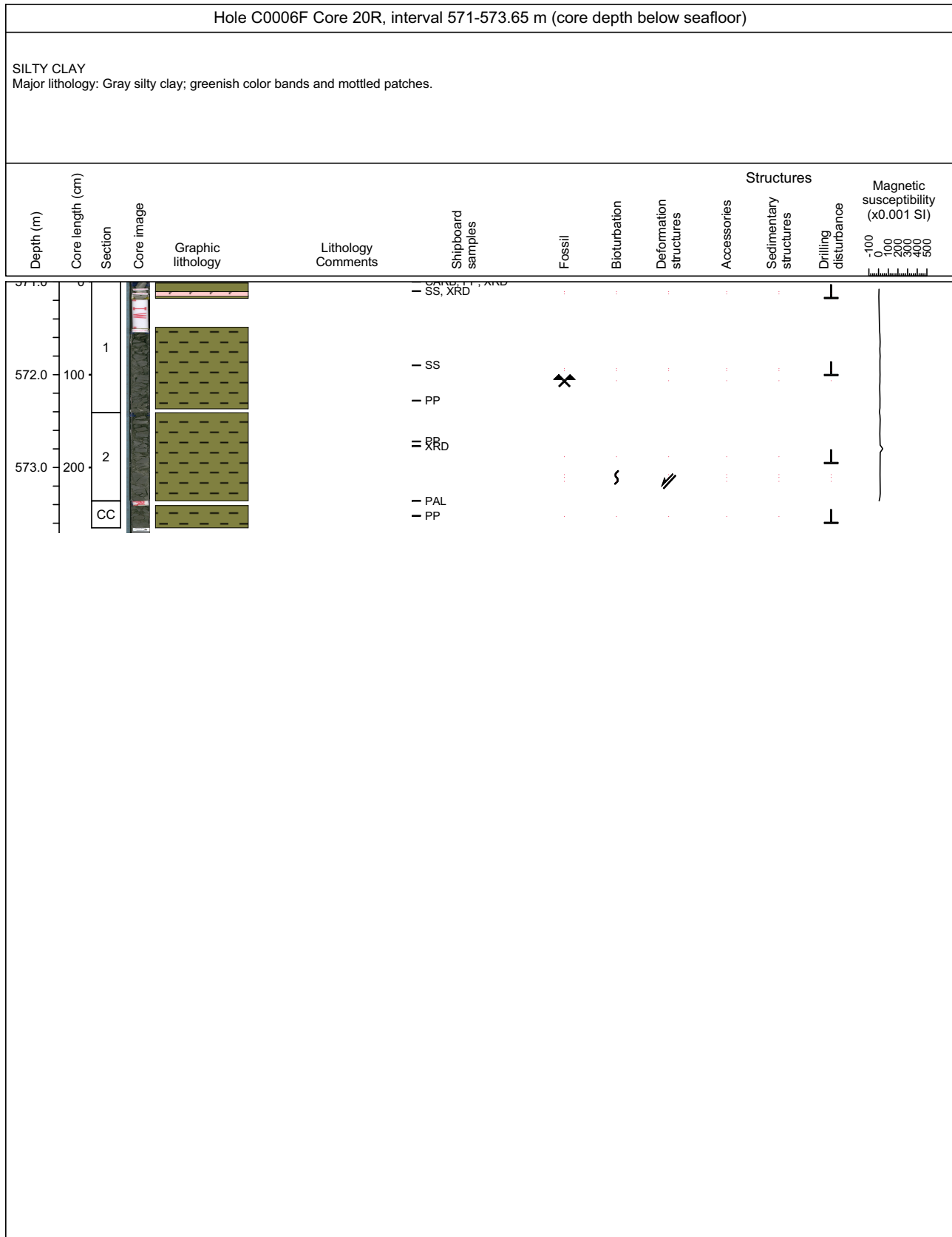
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
Core Photo



Core Photo

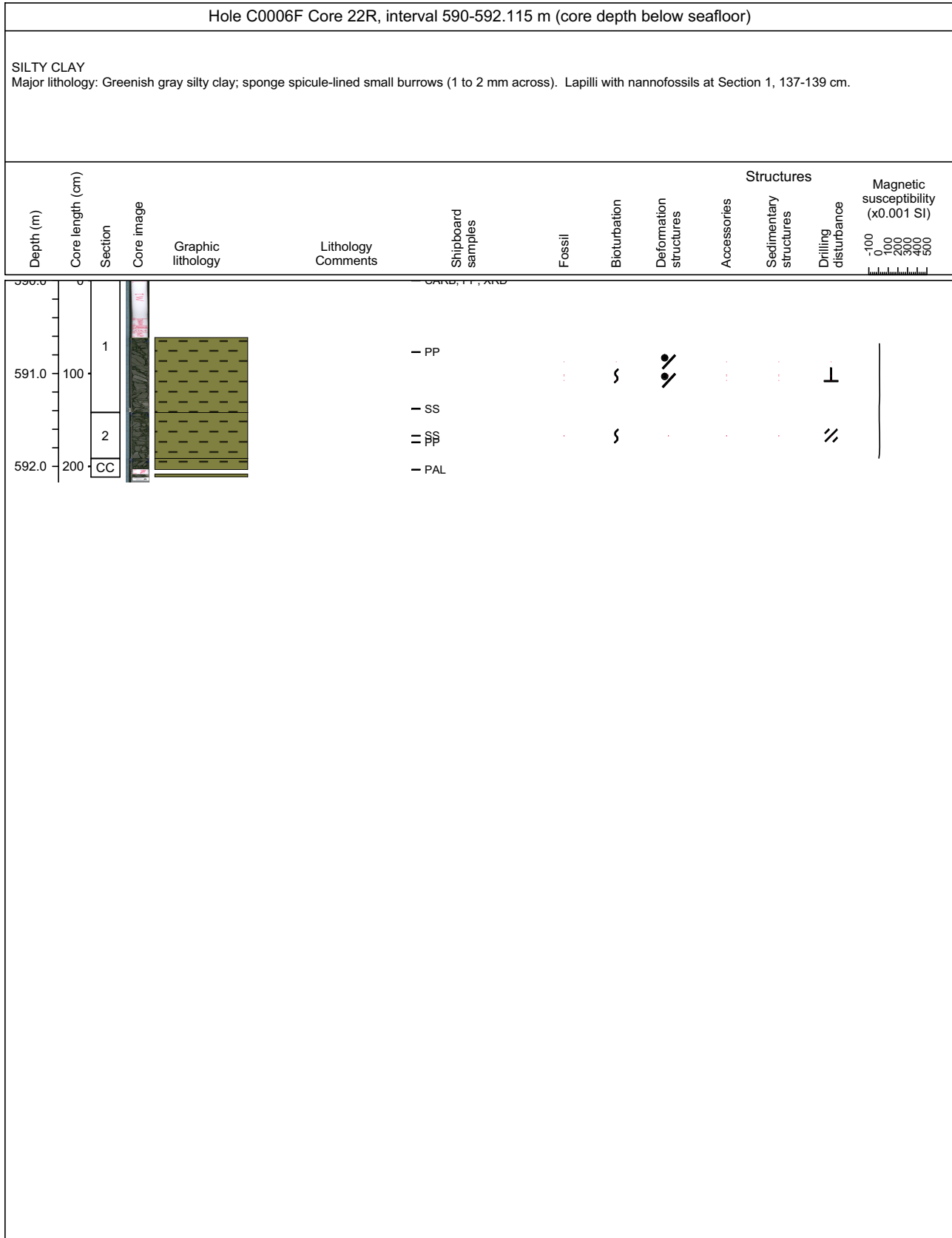


Core Photo

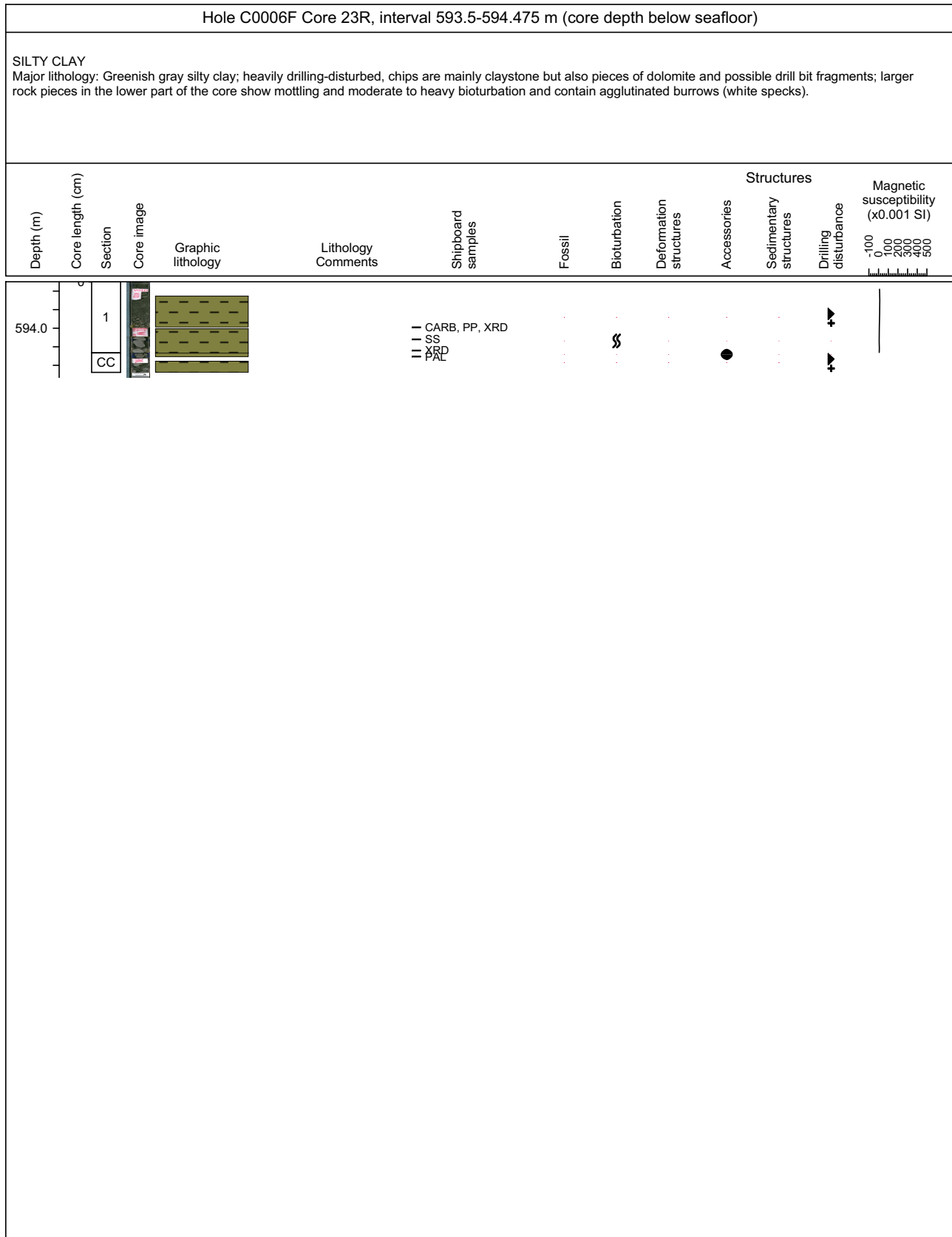
Hole C0006F Core 21R, interval 580.5-580.605 m (core depth below seafloor)												
SILTY CLAY Major lithology: Gray silty clay.												
Depth (m)	Core length (cm)	Section	Core image	Graphic lithology	Lithology Comments	Shipboard samples	Fossil	Bioturbation	Deformation structures	Accessories	Structures	Magnetic susceptibility (x0.001 SI)
												



Core Photo



Core Photo





Expedition 316 Site C0006 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		Opague grains	Other					
C0006C-1H-3	126	2.74	ash	4	60	36	P	P	R	T											A	C	T	T	T										
C0006C-1H-3	92	2.4	ash	8	60	32	P	P	R	R		C																							
C0006C-1H-4	130	4.28	fine-grained sandstone	80	15	5	A	C	R	A			P																				heavy mineral rich		
C0006C-1H-4	53	3.51	clayey fine siltstone	1	80	19	C	C	R	R		C		T						D													red-brown organic matter; lithics mostly look like chert but with micas and feldspars - crystalline texture - silicic volcanics		
C0006C-1H-4	70	3.68	very fine grained sandstone/coars siltstone	40	45	15	C	C	C	P		C			C		C	P			R	P	P					T	P	P			red-brown organic matter		
C0006C-1H-8	84	8.335	volcanic ash	10	90	0	P	P		P							R		C		D														
C0006C-1H-9	58	9.545	fine-grained sandstone	60	30	10	C	C	R	P		C						C	A				T												
C0006D-1H-3	50	1.925	silty clay (stiffer than normal)	10	40	50	C	P		P	P	A			C		C	C			P	P													
C0006D-1H-3	77	2.195	silty clay	2	28	70	P	P	R	R	R	A			P		P	P			P	A													
C0006E-1H-1	37	0.37	silty clay	10	30	60	C	C				A									P	P												red-brown organic matter	
C0006E-1H-1	63	0.63	sand-silt-clay	30	40	30	A	C				A		P						C															
C0006E-1H-3	39	1.82	fine sand	90	10	0	A	C															C											concentrated heavies?	
C0006E-1H-4	8	2.91	clay-nanno ooze	0	5	90	P		R			C		R							P	D												red-brown organic matter	
C0006E-1H-4	22	3.05	silty clay	0	25	75	C	P				D								P															
C0006E-2H-1	3	5.22	sand-silt-clay	30	20	50	A	C				C											A	R											
C0006E-2H-1	42	5.61	silty clay	10	20	60	C	P			P	A									P														
C0006E-2H-2	53	7.125	microcrystalline calcite - ?nodule?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		chemical sediment
C0006D-1H-9	65	9.615	volcanic ash	0	100	0	C														D														
C0006E-2H-8	54	12.865	very fine sand	100	0	0	A	C					P								C	P	P											includes brown glass; collected from small (2mm-5mm) white clasts (?) or burrow fills (?)	
C0006E-2H-9	65	14.45	sand-silt-clay	50	20	30	A	C			T	A	P								C	P	P	P											
C0006E-2H-9	103	14.83	silty clay	0	25	75	C	P			T	D									P		P	P										red-brown organic matter	
C0006E-3H-4	91	18.425	very fine to fine sandstone	60	30	10	C	C	P	P		P		T		P		C	C		P	C	T	T				T	T						
C0006E-3H-4	93	18.445	silty clay	3	27	65	C	C		R		A						T	P	P			A	T	T									inc. brown pumice	
C0006E-3H-4	104	18.555	volcanic ash-rich clays	4	51	45	P	P				C									C		A	A											
C0006E-3H-8	117	23.055	clayey siltstone	9	50	41	C	C	T	P		C	T		R		C	C				C	T											red-brown organic matter	
C0006E-4H-2	68	26.305	ash-clay mixture	0	70	30	P	P		R		A									C		A	C											
C0006E-4H-2	131	26.935	silty clay	2	50	48	C	C		R	R	A									C		P												
C0006E-4H-3	110	28.135	fine sand	70	20	10	C					P			C	C		A			P	P	R					R							
C0006E-5H-1	60	33.82	fine sand	80	15	5	C	C		P		P			C		C	A			P	P	P												
C0006E-5H-1	100	34.22	fine sand	90	7	3	C	C		P		P			P		C	A			P		R												
C0006E-5H-1	110	34.32	fine sand	90	10	0	C	C		P					P		C	D			P	R													
C0006E-7H-1	31	39	silty clay	0	25	75	C	P				A			P							P	A											red-brown organic matter; green amphiboles	
C0006E-7H-1	40	39.09	sand-silt-clay	20	40	60	C	C	R			D	P								C	T	C	P										red-brown organic matter	
C0006E-7H-2	106	41.155	volcanic ash	90	10	0	C	C													C	C	A		R									P	clear glass - many nice shards
C0006E-7H-3	24	41.745	sponge spicules	100	0	0																				A								sampled from burrow wall (or ? Foram) other particles are adventitious	
C0006E-7H-3	42	41.925	medium-grain sand	70	20	10	A	C	R		R	C	P																					red-brown organic matter	
C0006E-7H-6	38	44.95	silty clay	0	30	70	C					D									P		R	C											
C0006E-8H-2	115	50.735	sand	100	0	0	A	C						P							A	C													
C0006E-8H-5	31	52.34	silty claystone	0	30	70	C	P	P	P		A									P	P													
C0006E-8H-7	17	55.035	fine sand	100	0	0	A	C					P								C	C		P										red-brown organic matter reduced compared to above?	



Expedition 316 Site C0006 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	Opague grains	Other		
C0006E-9H-1	107	58.76	volcanic ash	90	10	0	C	P									P	A	A	A										brownish streak in core		
C0006E-9H-1	126	58.95	fine sand	90	10	0	A	C		R			P				C	C	P								P	T	red-brown organic matter			
C0006E-9H-2	10	59.205	medium-grain sand	90	10	0	A	A					P				C	P		P							C		red-brown organic matter			
C0006E-9H-2	27	59.375	silty clay	0	30	70	C	P				D					C			P	P											
C0006E-11H-1	77	65.44	silty clay	5	45	50	C	C		P	A						C	C		C	R					P						
C0006E-11H-1	97	65.64	sandy silt	20	60	20	C	C		P	P	C					C	C		C	P											
C0006E-11H-2	75	66.83	fine sand	80	15	5	C	C		P	P		P		P		A			C						R						
C0006E-11H-7	60	70.919	fine sand	90	7	3	C	C		P	P	P			P		A			P	P	R				R						
C0006E-12H-3	130	73.605	sand-silt-clay	40	40	20	A	C	P			C	R				C	P			P						P			red-brown organic matter		
C0006E-12H-7	30	76.82	medium-grain sand	100	0	0	A	C	R					P			A	T									P					
C0006E-13H-1	100	78.82	sand-silt-clay	20	60	20	A	C			R	C	R				A				P					P	P			red-brown organic matter		
C0006E-15X-1	26	79.59	very fine sand	90	10	0	A	C			T						A	T								T						
C0006E-15X-1	62	79.95	silty clay	0	30	70	C	P				D					C				P											
C0006E-15X-3	60	81.645	very fine sand	100	0	0	A	C					P				A										P			glass, basaltic fragments much reduced		
C0006E-15X-6	53	83.548	fine sand	100	0	0	A	C	P		T		P				A	C									P					
C0006E-16X-1	24	89.07	very fine sand	80	20	0	A	C	P				P				C	C		C							P			sudden reappearance of abundant (most seen so far) red-brown organic matter		
C0006E-16X-1	30	89.13	silty clay	5	35	60	C	P				D	P				C	T			P						P					
C0006E-16X-1	58	89.41	sand	100	0	0	A	C	R		R		P				A			T							C					
C0006E-17X-1	61	98.94	volcanic ash (dispersed)	20	50	30	C	A			C			P			C			A	C	P										
C0006E-17X-4	25	100.8	silty clay	10	30	60	C	C	P			D	P				C				P							R				
C0006E-17X-4	59	101.14	silty clay	0	30	70	C	C				D									P											
C0006E-18X-1	8	106.41	very fine sand	100	0	0	A	C	P				P				A	C		P							P					
C0006E-18X-1	82	107.15	claystone	0	10	90	P	P				D									P										small amount of red-brown organic matter	
C0006E-18X-CC	17	107.87	sand	100	0	0	A	A	T		T		P				A	T		C							P				pink material mixed with mud	
C0006E-18X-CC	33	108.03	volcanic ash	100	0	0															D											
C0006E-19X-3	88	118.14	very fine sand	80	10	10	A	A			R	C	R				A	P		P							R					
C0006E-19X-6	64	120.72	silty clay	0	40	60	C	C				D					C			C							T	T			red-brown organic matter	
C0006E-20X-1	69	126.02	clayey silt-silty clay	10	40	50	C	C				D	P			P		P		C	C						P					
C0006E-20X-2	59	127.335	volcanic ash	100	0	0	C	P												P	D											
C0006E-20X-2	71	127.455	clay	0	20	80	C	P				A										P						P				
C0006E-20X-3	92	129.08	pumice fragment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		extremely vesiculated - white in reflected light, black in transmitted. Coarse sand to granule-size pieces scattered through sandy intervals of sections 2 and 3
C0006E-21X-1	70	135.53	silty clay	5	30	65	C	C	R		R	D				P		P			P						R					
C0006E-21X-2	95	137.23	fine to very fine sand	60	30	10	A	A	P	R		C					C	C	P		P	T					P					
C0006E-21X-4	136	139.055	volcanic ash	55	45	0	C	C		P									C	A												
C0006E-22X-1	37	144.7	fine sand	100	0	0	A	A					P				A										P					
C0006E-22X-1	49	144.82	silty clay	0	25	75	C	P				D		P			C				P						R	T			red-brown organic matter	
C0006E-22X-1	111	145.44	very fine to fine sand	100	0	0	A	A					P				A	C		R							R					
C0006E-22X-1	115	145.48	silty clay	0	25	75	C	P				D		R			C				P						R	R			red-brown organic matter	
C0006E-22X-CC	21	151.595	fine sand	100	0	0	A	A					R				A			P							P					
C0006E-23X-2	16	155.395	fine sand	100	0	0	A	C			R		P				A	P		P							T	P				
C0006E-23X-2	21	155.445	volcanic ash	100	0	0													C	D												granule of lapilli
C0006E-23X-2	40	155.635	clay	0	20	80	C	P	T			D									P						T					
C0006E-23X-3	106	157.705	volcanic ash	100	0	0	P	P													D											
C0006E-23X-7	2	160.915	medium to coarse silty sand	60	40	0																										sorting too poor for a reliable grain assemblage estimate - rich in lithics, heavies
C0006E-24X-1	12	163.42	medium to coarse sand	85	10	5	C	C	P	P		P				C	C	C				R										



Expedition 316 Site C0006 Smear Slides

Sample Identification			Texture (%)			Siliciclastic Grains							Lithic Grains/Ash						Pelagic Grains							Comment					
Hole-Core-Sec	Int. (cm)	Depth (mbsf)	Lithology	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	Opague grains	Other	
C0006E-24X-1	9	163.45	silty clay	0	30	70	C	C								P	P	P				P	P				R	R	R	brown-orange organic matter	
C0006E-25X-1	84	173.67	silt	5	60	35	A	C	C	P	P	A			P	P	C						T								
C0006E-25X-2	30	174.535	silty clay	2	23	75	C	P		R		D			R							P	P				R				
C0006E-25X-2	122	175.455	silt	10	80	10	C	C	P	P	P	C			P	P	P	C	P							T					
C0006E-25X-2	135	175.585	silt	5	80	15	C	C	P	P	P	C				P	C	C	C		P	T							T	orange-brown organic matter	
C0006E-25X-3	22	175.86	very fine sand	70	20	10	C	C	P	P	C					C	C	C		P								P			
C0006E-25X-CC	39	181.937	very fine sand/silt	30	50	20	C	C	P	P	T					C	C	C	C		P	T							T	orange organic matter	
C0006E-26X-2	109	184.25	silt	25	70	5	A	A	P	P	T	P				P	A		P		R							P			
C0006E-26X-2	43	184.91	silty clay	1	30	69	C	C	R	R	T	D		T				P	R				C					T	T	red-brown organic matter	
C0006E-26X-3	75	185.985	silt	8	82	10	A	A	P	P		C		R		R		C	C				P			R		R	red-brown organic matter		
C0006E-27X-3	115	195.805	sand - possible burrow fill	60	40	0	A	A	T					T			T	A												sample taken from small tubular sand mass	
C0006E-27X-8	40	200.715	fine sand	90	10	0	A	A	R		R			R				A	P		R							R			
C0006E-27X-8	54	200.855	silt - very fine sand	60	40	0	A	A										C	P											from 1 mm thin lamina	
C0006E-28X-2	27	203.01	fine sand	100	0	0	A	A	R					R				A	P		P							R			
C0006E-28X-2	85	203.59	very fine sand	80	20	0	A	A						P				A										P			
C0006E-28X-2	91	203.65	silty clay	0	40	60	C	C				D						C													
C0006E-29X-2	30	212.56	silty clay	0	30	70	C	C		T		D						P											T	red-brown organic matter	
C0006E-29X-2	125	213.51	silty sand	55	40	5	A	A		P		P						A	C											lithic grains appear to be mostly chert-like (microcrystalline quartz), some may be felsic volcanic grains but many are aligned and show undulose ext.; some feldspars show perthitic texture	
C0006E-29X-3	123	214.9	sandy silt	40	50	10	A	A	R	R		C						A	C		R	R					T	R			
C0006E-30X-2	40	222.14	silty clay - ash rich	2	40	58	P					A						C		A	C							R			
C0006E-30X-2	90	222.64	sandy silt	5	60	35	C	P			R	A			P			C	C		C	R						P		pumice is black	
C0006E-30X-2	135	223.09	fine sand	50	25	25	C	C	P	R		A					C		P		P	R					R	P	T	organic matter	
C0006E-31X-2	70	231.97	medium sand, poorly sorted	70	22	8	A	A	C			P		P				A	C		R	P						P			
C0006E-31X-4	20	232.885	silty clay	2	28	70	C	C	P			D									P	P								organic matter	
C0006E-31X-CC	20	235.595	silty clay	0	25	75	C	C				D			P						P	P		R				R			
C0006E-32X-1	10	239.43	silty clay	0	25	75	C	C	T			D		T				P											T		
C0006E-32X-2	5	240.805	silty clay	5	30	65	C	C				D		R				P			C			T	T		R	R	R	red-brown organic matter	
C0006E-32X-3	7	242.235	very fine sand	80	20	0	A	A						P				C	P		P								R		
C0006E-32X-5	67	244.26	silty clay - dispersed ash	0	40	60	P	P				A									A	C									
C0006E-32X-8	8	247.405	fine sand	85	15	0	A	A	P									C			P	R							P		
C0006E-32X-8	27	247.595	fine to medium sand	90	10	0	A	A	P					P				A	P		P								P		
C0006E-34X-1	7	258.4	clayey silt	20	40	40	A	C				A		P	R			C			P									red-brown organic matter	
C0006E-34X-1	126	259.59	silty clay	0	40	60	C	C				D						C			P									red-brown organic matter	
C0006E-34X-2	7	259.81	volcanic ash	100	0	0	P												P		D										
C0006E-34X-3	114	262.29	silty clay	0	40	60	C	C				A		P				P					P						P		
C0006E-34X-7	100	266.41	volcanic ash - clayey silt	10	60	30						C							C		D	C									
C0006E-35X-3	6	269.115	silty clay	0	25	75	C	C			R	D										P	R					R	R	T	orange organic matter
C0006E-35X-3	55	269.605	sandy silt	30	50	20	C	C	R	P	R	C				C	C	C			P							R			
C0006E-36X-1	30	277.63	silty clay	0	30	60	C	C		P	R	D						P				P	P	R							
C0006E-36X-2	10	278.835	sandy silt	30	50	20	C	C	P		R	C					C	C	C		P	R	R					R		orange organic matter	
C0006E-36X-6	78	283.735	sandy silt	10	70	20	C	C	P	P		C				C	C	C			P	T									
C0006E-36X-CC	18	287.035	sandy silt	20	60	20	C	C	R			C						C	C		P	R	R								
C0006E-37X-1	128	288.11	silty sand	70	30	0	A	A	R		R			R				A			T							P	T	red-brown organic matter	
C0006E-37X-2	13	288.375	silty clay	0	40	60	C	C				D						C													
C0006E-37X-3	57	290.165	fine sand	100	0	0	C	C						R	P			A	C		C						R	T		red-brown organic matter	



Expedition 316 Site C0006 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
C0006E-38X-3	13	297.035	silty clay	10	30	60	C	C			D						P	P			C									red-brown organic matter
C0006E-38X-CC	40	297.69	clayey silt	10	50	40	C	C	R		R	A	P	P			P	P	T		C							R	basaltic lithics with brown glass present	
C0006E-39X-1	132	307.15	silty clay	10	35	55	C	C			A		R		P	P	P				C	P						R	red-brown organic matter	
C0006E-39X-5	34	310.405	sand-silt-clay	25	25	50	C	C			A		P				P				P	P						R	red-brown organic matter	
C0006E-39X-7	45	313.335	clay-rich silt	5	70	25	A	A	R	R	T	C					P	C	C			C				T	P		more clay and nannos than sand; therefore, this is a clayey-silt rather than a sandy silt (for J-CORES)	
C0006E-40X-1	44	315.77	silty claystone	2	23	75	C	P	R		D						P	P			P	P				P				
C0006E-40X-2	126	318	silts	10	50	40	C	C		R	A				R	P	P	C			C	P								
C0006E-40X-3	40	318.555	sandy silt	30	60	10	C	C		P	R	C				C	C	C			C	P	R				R			
C0006E-41X-1	78	325.61	silty claystone	0	40	60	C	C			R	A		P	P			P			P	C					R	R		
C0006E-41X-2	1	326.315	silty sand	50	50	0	A	A			R			P			C	C			C		P				P	P		red-brown organic matter
C0006E-41X-2	85	327.095	silty sand	40	60	0	A	A						P	R		C				P									
C0006E-42X-1	18	334.51	silty claystone	0	30	70	C	P			D			P			P									T	T			
C0006E-42X-1	51	334.84	silty claystone	5	30	65	C	C	T		D		T				P	T			P						T			
C0006E-42X-3	12	337.265	claystone	0	15	85	C	P			D											C						T		red-brown organic matter
C0006E-42X-8	86	343.65	silty claystone	0	25	75	C	P			D											P	P			T				red-brown organic matter
C0006E-42X-8	90	343.69	volcanic ash	60	40	0	C	P					T					P		D								T	pyrite	
C0006E-43X-1	67	344.5	silty claystone	10	40	50	C	C			A		R				C					P								
C0006E-43X-4	91	348.975	sandy silt	10	90	0	A	A					R	R			A										P	R		red-brown organic matter
C0006E-43X-7	92	351.825	sandy silt	30	70	0	A	A			R						A	T			P						P	R		red-brown organic matter
C0006E-44X-1	60	353.93	silty claystone	0	25	75	C	P			R	D					P				P	R					R			
C0006E-44X-2	105	355.8	siltstone	20	70	10	A	C		P		C				A	C	P			P	R				R	P	R		red-brown organic matter
C0006E-44X-3	50	356.665	volcanic ash	10	80	10	C	P			P										D	P								
C0006E-44X-4	12.5	357.7	siltstone	10	80	10	A	C			R	C				C	P				C	P					P	C		orange-brown organic matter
C0006E-44X-4	81	358.385	clayey siltstone	10	70	20	A	C			R	C				P	C				C	P				R	P	T		orange-brown organic matter
C0006E-44X-4	82	358.395	clayey siltstone	0	70	30	A	C	P		A					P	P				P	P					P			
C0006E-45X-2	120	365.425	silty clay	4	28	68	C	C	R	R	D						R					P				R		R		
C0006E-45X-6	90	369.365	silt	0	70	30	C	C	R		R	A			R	C	C				P					P	P	P		orange-brown organic matter
C0006E-45X-6	96	369.425	silt	0	70	30	A	C		R	R	A					C	P			C	Tr								
C0006E-45X-7	37	370.245	wood-rich sand	60	30	10	C	C		R	R	C					C	C			C	R						A		organic matter
C0006E-45X-7	72	370.595	silty sand	50	30	20	C	C	P	P	C						C	C			C	R					C			orange-brown organic matter
C0006E-46X-1	17	372.5	silty claystone	0	25	75	P	P			D										P	C	C					Tr		red-brown organic matter
C0006E-46X-1	43	372.76	volcanic ash	0	45	65					A										P	A	C							
C0006E-46X-1	52	372.85	volcanic ash	20	60	20	C	P			C				C						C	A	C							
C0006E-46X-1	77	373.1	dispersed ash	0	40	60	C	P	Tr		A		Tr								P	C	C				Tr			
C0006E-46X-6	55	378.54	sandy silt	40	50	10	C	C	R		Tr	C	R				A										R	P		red-brown organic matter, ash looks altered
C0006E-47X-1	104	382.87	volcanic ash	10	65	25	P	P			C			P			P	C			A	C	R							
C0006E-47X-1	113	382.96	silty claystone	5	30	65	C	C	R		D		R	P			P				P					P		Tr		red-brown organic matter
C0006E-47X-6	8	387.18	dispersed ash	20	30	40	P	P			A			P			C				C	C	P							
C0006E-47X-6	11	387.21	dispersed ash	0	40	60	P	P			A			P							P	A	P							
C0006E-48X-1	123	392.56	silty claystone	0	35	65	C	C		R	A			R							P	P						P		orange-brown organic matter
C0006E-48X-3	64	394.8	volcanic ash	10	80	10	P	P						R							P	D	P							
C0006E-48X-4	21	395.785	siltstone	20	70	10	A	A	P	R	C			Tr	P		A	P				R				P	R			red-brown organic matter
C0006E-49X-2	26	402.5	lapilli	40	50	10	C	C		P				Tr				A			A	A								
C0006E-49X-2	32	402.56	siltstone-sandstone	40	50	10	A	A			C						C				P	P								
C0006E-49X-3	65	404.3	silty claystone	0	40	60	C	C			R	D			R		P				P	P								
C0006E-49X-5	63	405.72	clayey siltstone	5	50	45	C	C			A					C	C				P	R								
C0006F-1R-1	39	395.39	sandy silt	30	70	0	A	A			R			R	R		A	tr										R		
C0006F-1R-1	122	396.22	silty clay	0	30	70																								



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Sample Identification			Texture (%)			Siliciclastic Grains							Lithic Grains/Ash					Pelagic Grains							Comment							
Hole-Core-Sec	Int. (cm)	Depth (mbsf)	Lithology	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	Opague grains	Other		
C0006F-2R-1	87	405.37	silty clay	5	35	60	C	C	R		D			R				C				P										
C0006F-2R-1	90	405.4	silty clay	15	30	55	C	C	R			A		R				C					P									
C0006F-3R-2	14	414.53	silty clay dispersed ash	10	30	60	C	P				D						P	P			C	P									
C0006F-3R-2	18	414.57	volcanic ash	0	70	30	P	P				C								C		A	C									
C0006F-3R-2	23	414.62	volcanic ash	0	70	30	C	C				A		R	P					P		A	P							possible clast or burrow fill		
C0006F-3R-2	62	415.01	silty clay	0	25	70	C	C				D			P								P									
C0006F-3R-CC	20	415.88	claystone	0	20	80	P	P				D								C			C									
C0006F-4R-1	37	423.87	silty clay	5	40	55	C	C			R	D			R			P				C							R			
C0006F-4R-1	116	424.66	silty clay	0	30	70	C	C				D			P							C	P									
C0006F-5R-1	45	433.45	silty clay	5	20	75	C	P	R		P	D				P						P	P									
C0006F-5R-1	105	434.05	volcanic ash	20	70	10	R		R											P		D	P									
C0006F-6R-1	37	438.37	foram fragment	15	65	20	P	P			P	C												D								
C0006F-6R-1	72	438.72	silty clay	2	28	70	C	C	R	R	P	D											P	C								
C0006F-7R-2	63	449.54	volcanic ash	35	55	10	C	C	R	A		C		C					P		A	R										
C0006F-7R-2	68	449.59	volcanic ash	35	55	10	P	C		R											A	D	R									
C0006F-7R-CC	8	449.75	silty clay	2	25	75	C	C	T	R		D			C								C	R				R				
C0006F-8R-1	15	457.15	clay	0	15	85	C	C	T	T		D										R	T									
C0006F-8R-1	50	457.5	silty clay	0	20	50	C	C	T		T	D											C									
C0006F-8R-2	17	458.58	silty clay	0	25	75	C	P				D											R									
C0006F-8R-2	32	458.73	silty clay	0	30	70	C	C			P	D											C									
C0006F-8R-2	33	458.74	volcanic ash	30	60	10	C	C			C									C		A										
C0006F-9R-1	128	467.78	volcanic ash	5	80	15	C	C				C						P	C			D										
C0006F-9R-2	16	468.16	silty clay	0	25	75	C	P				D											C									
C0006F-9R-2	19	468.19	volcanic ash	10	75	15	C	P				C								C		D	P									
C0006F-10R-1	46	476.46	pyritized ash	0	75	25	C	C				C								P		A	P							A	Pyrite	
C0006F-10R-2	16	477.67	silty clay	0	25	75	C	P				D								R		C	P				R					
C0006F-11R-1	17	485.67	silty clay	0	25	75	C	P				D			P								C						R		Pyrite	
C0006F-12R-1	20	495.2	volcanic ash	10	85	5	P	P				P										P	D	P								
C0006F-12R-1	50	495.5	silty clay	3	17	80	C	C			R	D										R	C				R	P				
C0006F-13R-1	95	505.45	volcanic ash	20	70	10	P							Tr	P							P	D	P								
C0006F-13R-1	103	505.53	silty clay	0	15	85	P					D											P	P							T	
C0006F-14R-1	65	514.65	silty clay	0	10	90	P	P				D											P	P		T						
C0006F-15R-1	55	524.05	silty clay	0	30	70	C	C				D			P								P									
C0006F-15R-1	56	524.06	silty clay	0	25	75	C	C				D											P									
C0006F-15R-1	137	524.87	silty clay	0	30	70	C	C				D			P								P					R	Tr		red-brown organic matter	
C0006F-15R-2	80	525.8	volcanic ash	70	30	0														P		D									from pebble-size angular fragment	
C0006F-15R-CC	27	526.995	dolomite with ash																												dolomite with ash	
C0006F-16R-1	31	533.31	claystone	0	20	80	C	P				D																	Tr		red-brown organic matter	
C0006F-16R-CC	8	535.21	claystone	0	20	80	C	C				D																				
C0006F-17R-1	13	542.63	silty clay	0	25	75	C	C				D			R								P						R	Tr	red-brown organic matter	
C0006F-17R-CC	17	544.545	silty clay	0	30	70	C	C				D			R								Tr						R		red-brown organic matter	
C0006F-18R-1	64	552.64	silty clay	0	25	75	C	C				D																	R		pyrite	
C0006F-18R-2	11	553.5	silty clay	0	25	75	C	C				D			R																coherent fragment	
C0006F-18R-2	17	553.56	silty clay	0	30	70	C	C				D			P								P								matrix around fragments	
C0006F-19R-1	83	562.33	silty sand	50	50	0	D	C						R	R			P					P							P	agglutinate coating, possible zeolite (phillipsite?)	
C0006F-19R-1	91	562.41	silty clay	0	25	75	C	C				D																				
C0006F-19R-CC	24	567.945	silty clay	0	25	75	C	C				D																				
C0006F-20R-1	10	571.1	carbonate with ash	0	80	20									D								C	C							dolomite?	
C0006F-20R-1	90	571.9	claystone	0	15	85	C					D		R								P	P									



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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	Opague grains	Other			
C0006F-21R-CC	8	580.58	claystone	0	15	85	C							R							P	R					R						
C0006F-22R-1	138	591.38	lapilli	20	65	5	P											C		D	P	P					R						
C0006F-22R-2	25	591.67	claystone	0	15	85	P	P				D									P	P					R						
C0006F-23R-1	62	594.12	claystone	0	20	80	C	C				D			R							T											