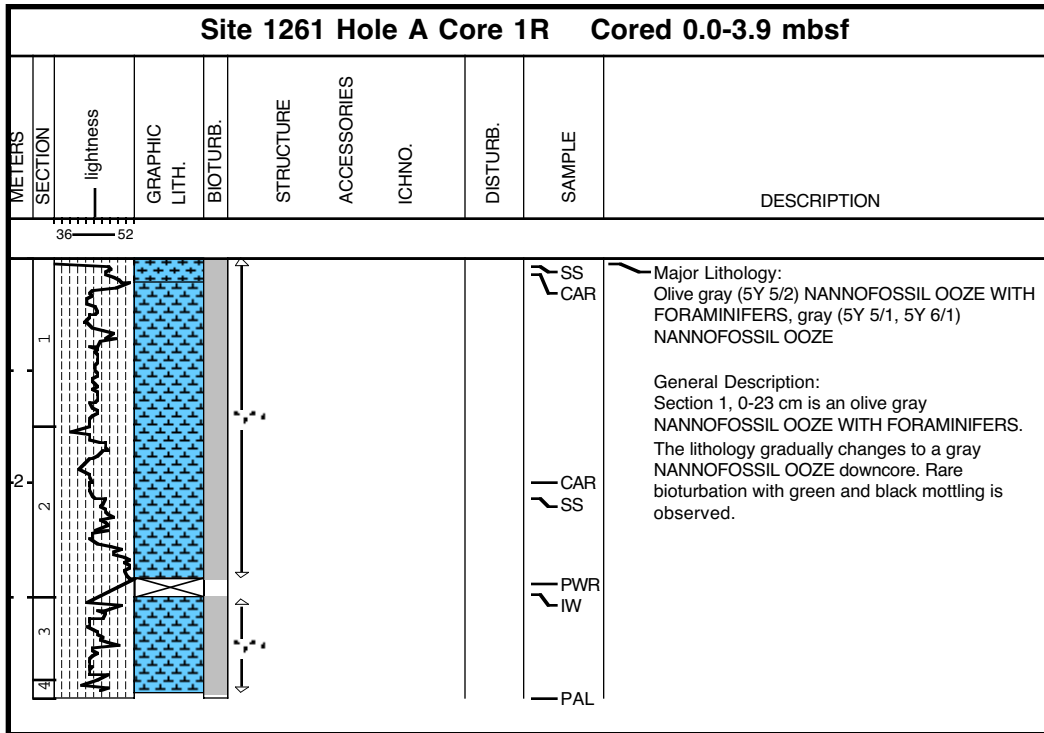


CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1261

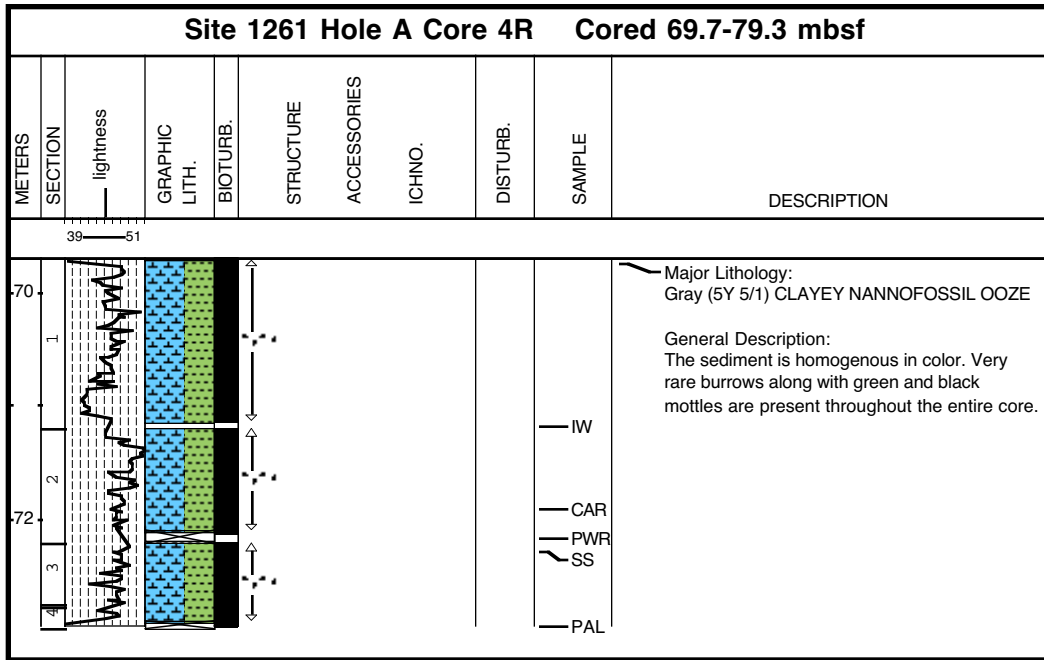
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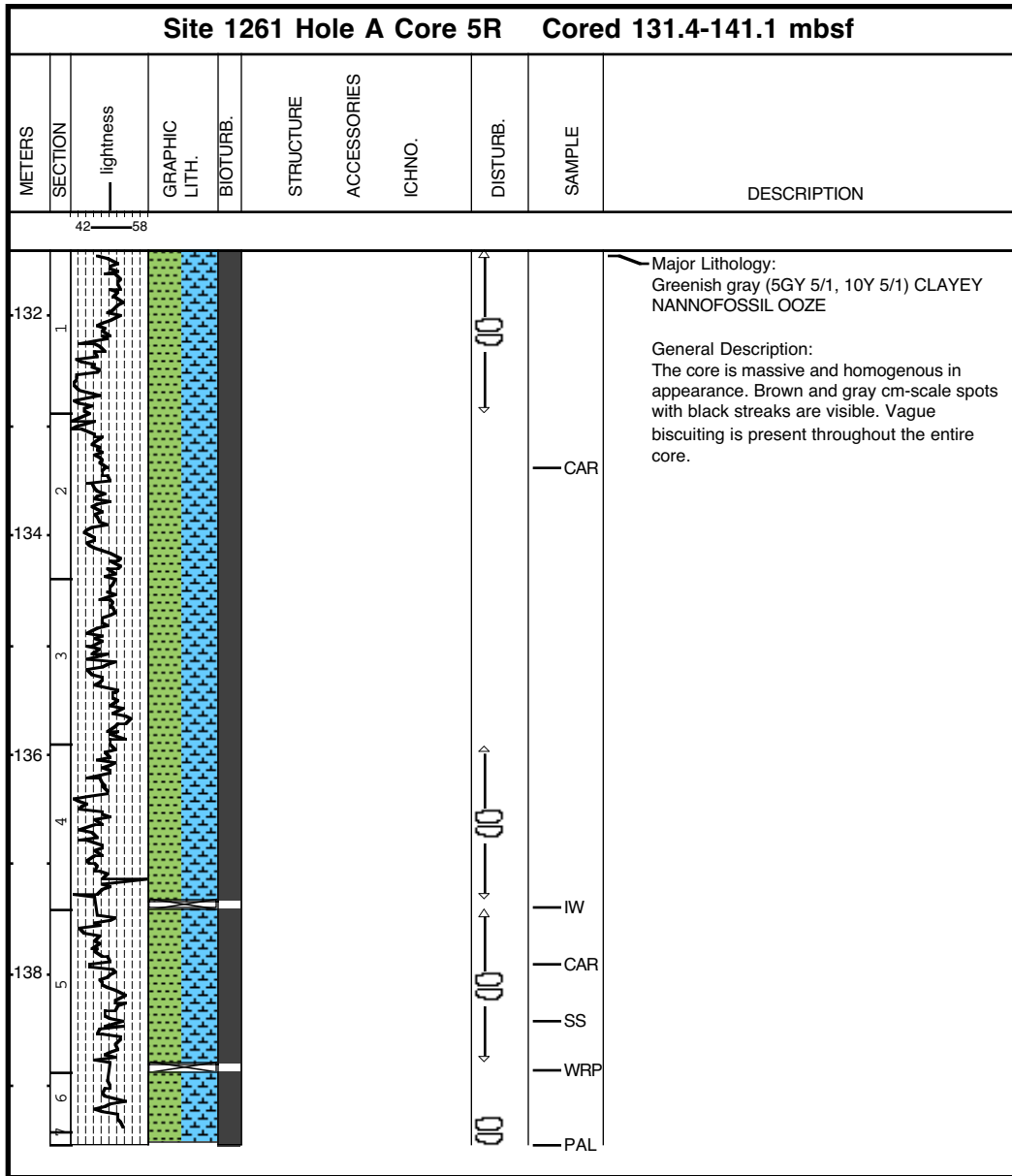
Core Photo

Site 1261 Hole A Core 2R Cored 3.9-13.2 mbsf										
METERS	SECTION	lightness	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	DISTURB.	SAMPLE	DESCRIPTION
32										
53										
										<p>Major Lithology: Greenish gray (10Y 5/1) NANNOFOSSIL OOZE</p> <p>General Description: The sediment is greenish gray with a clayey. No bioturbation or mottling was observed.</p>

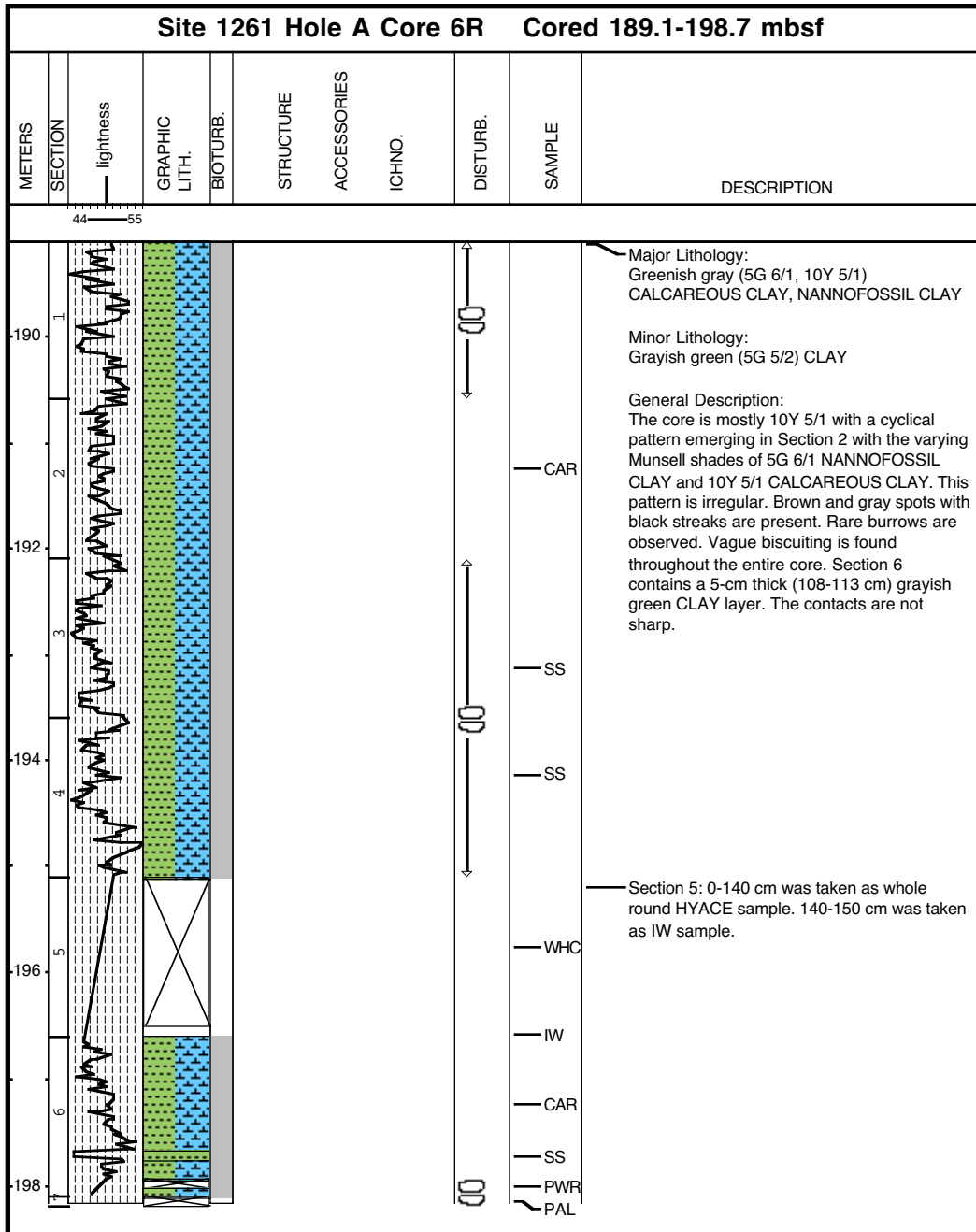
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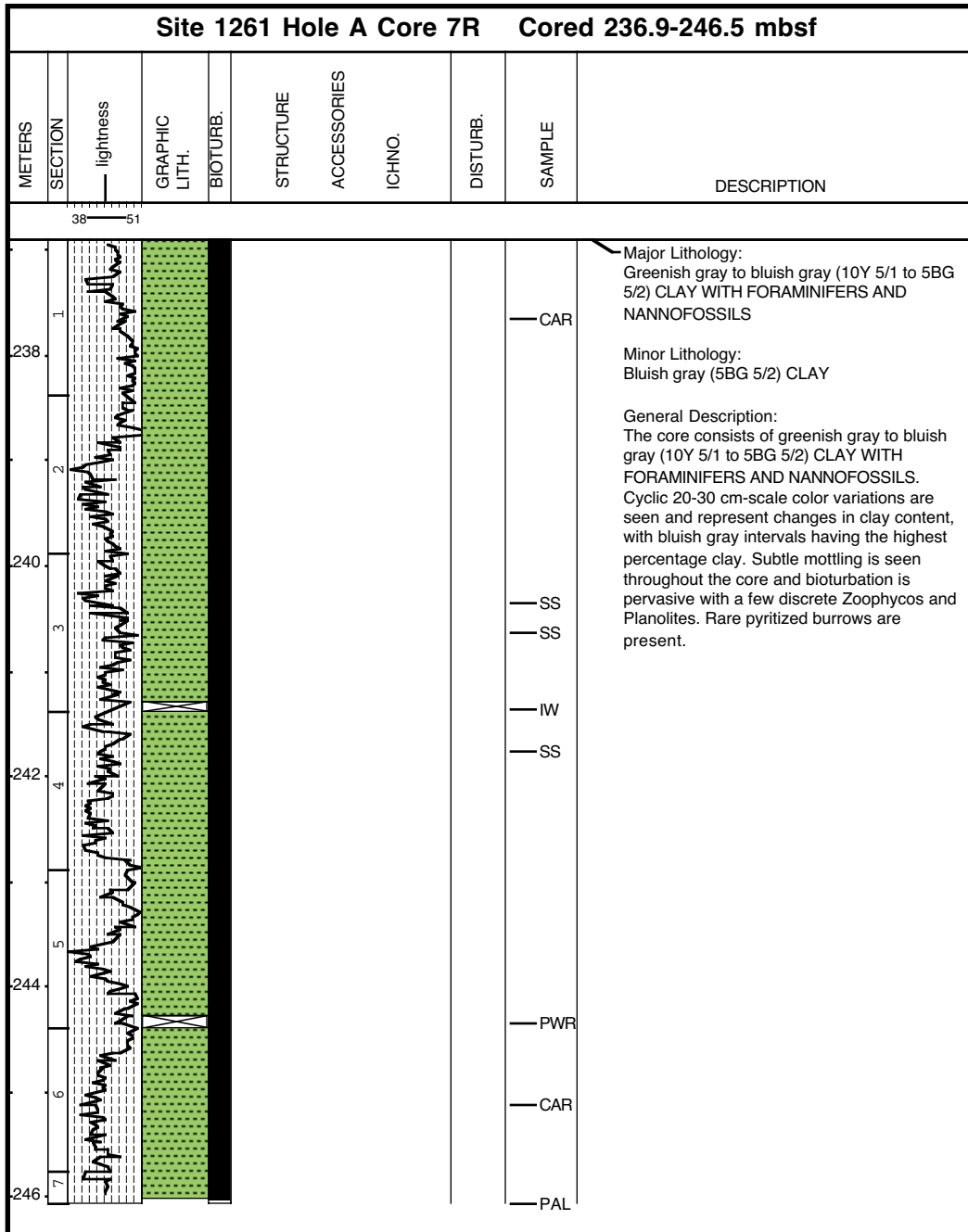
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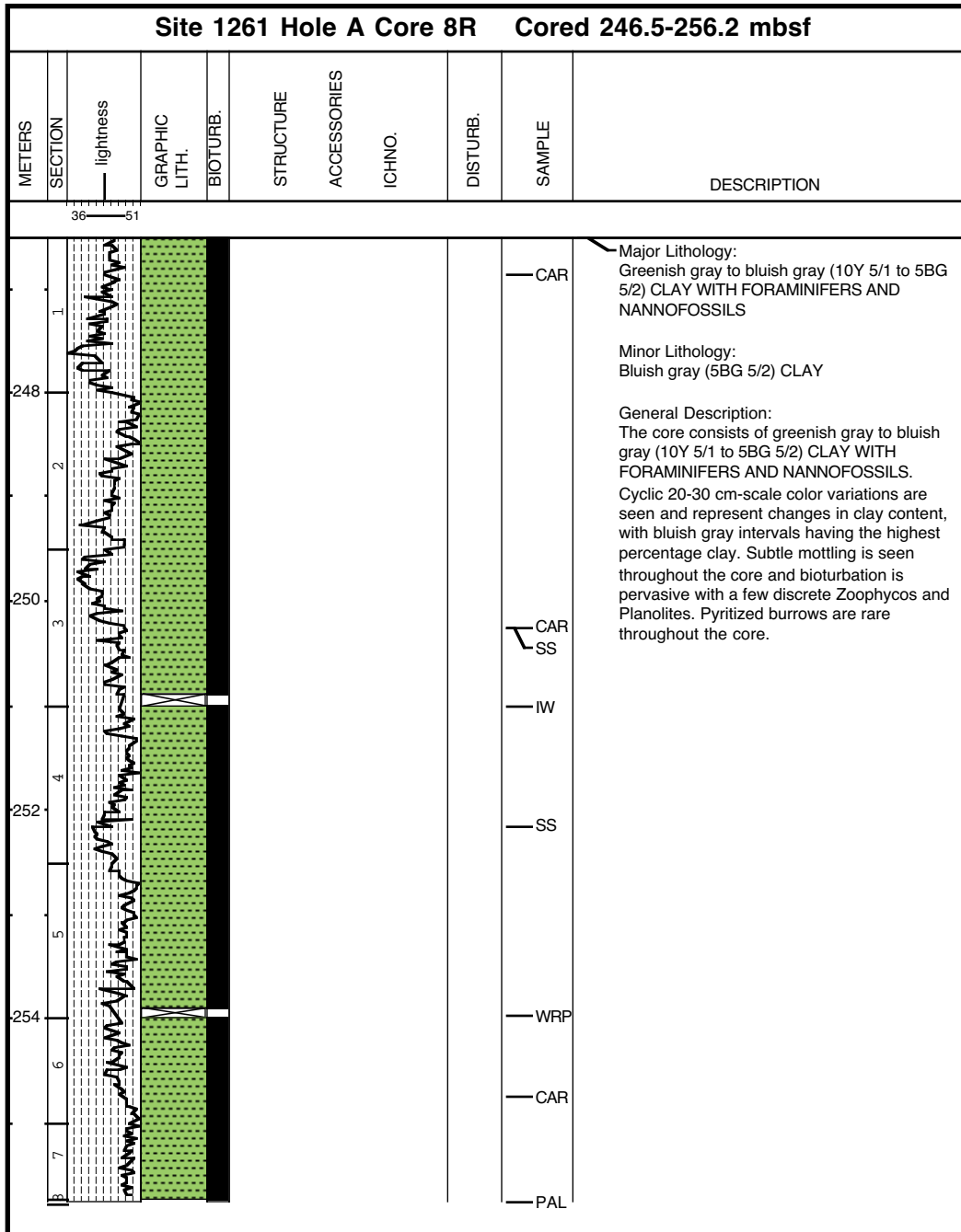
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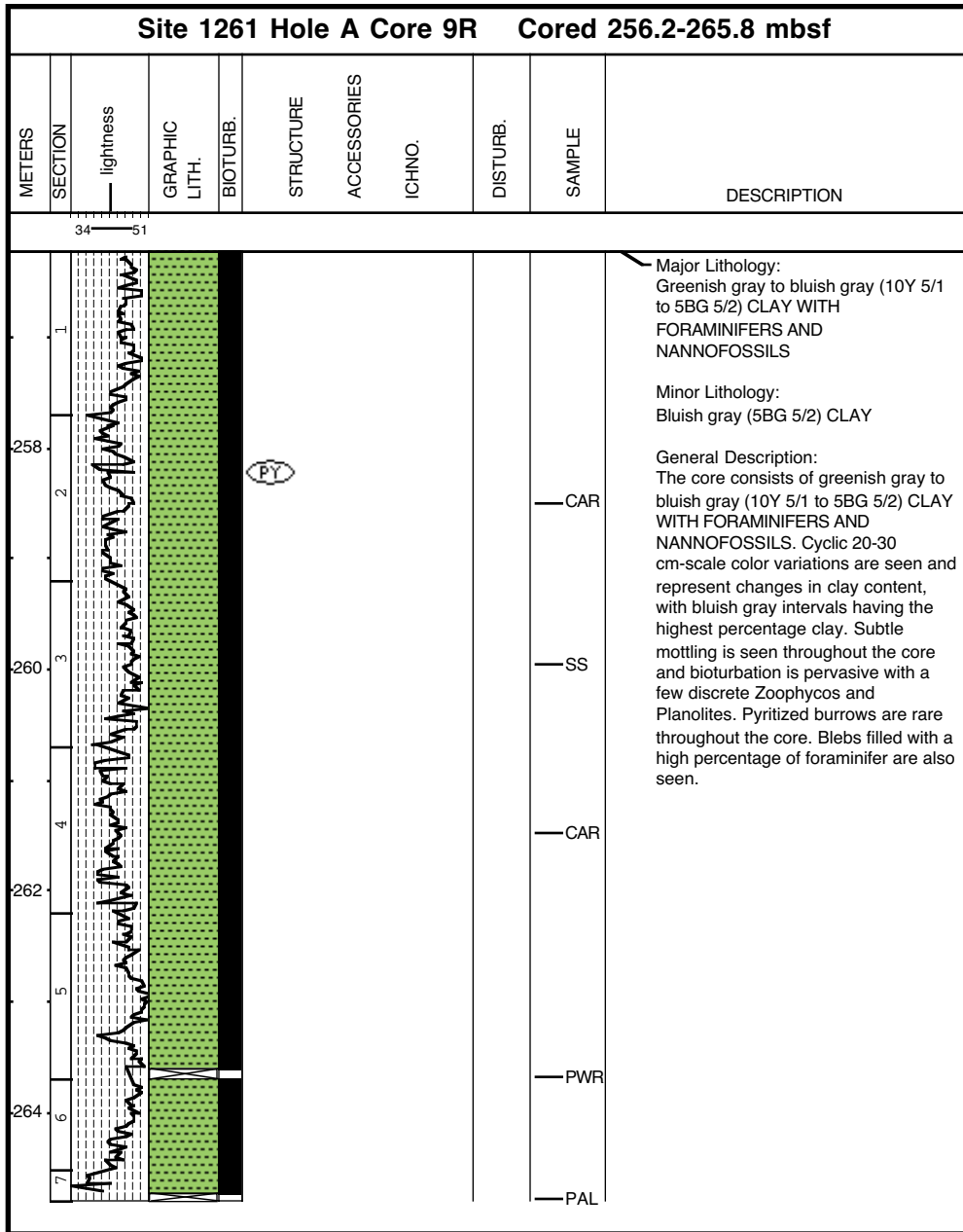
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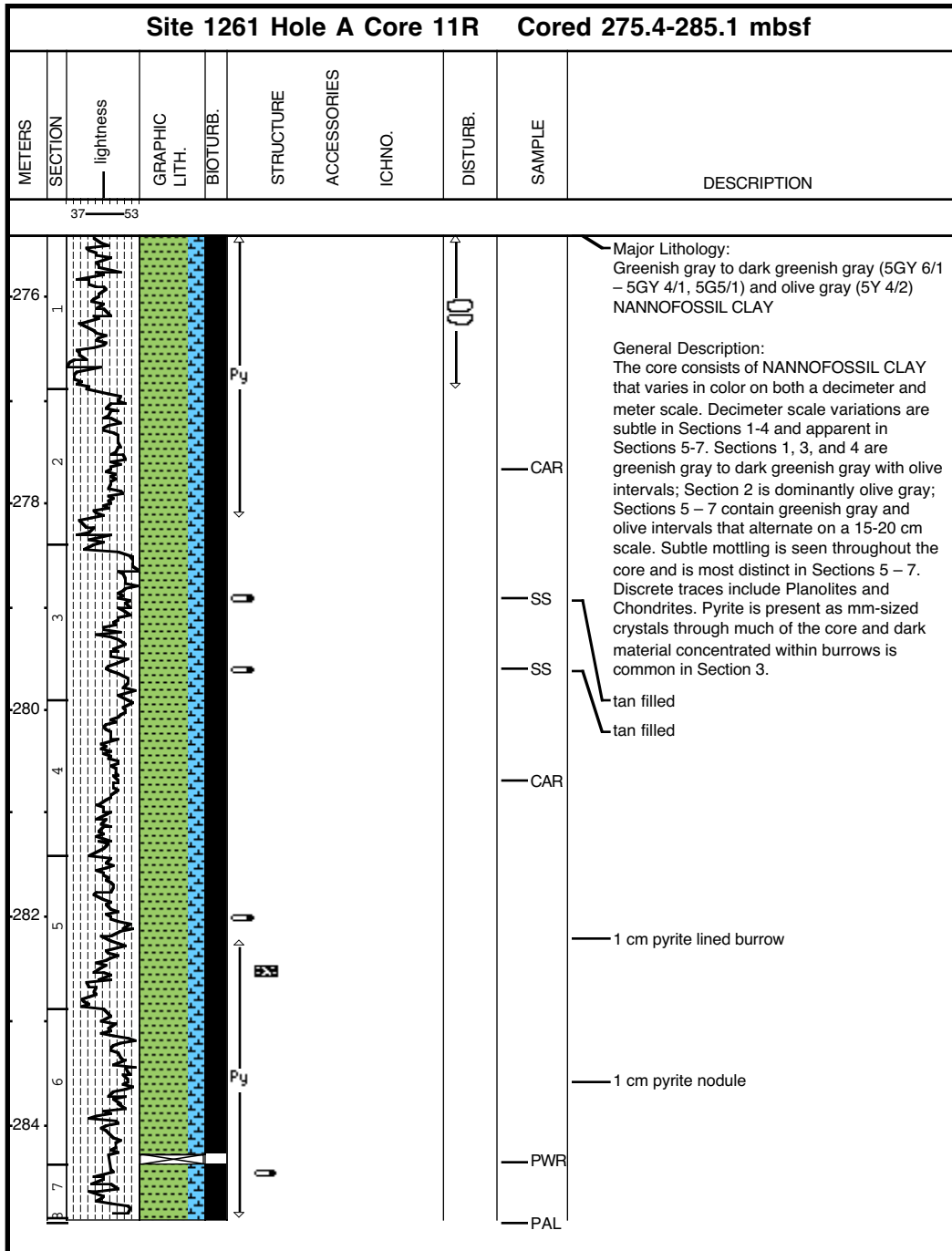
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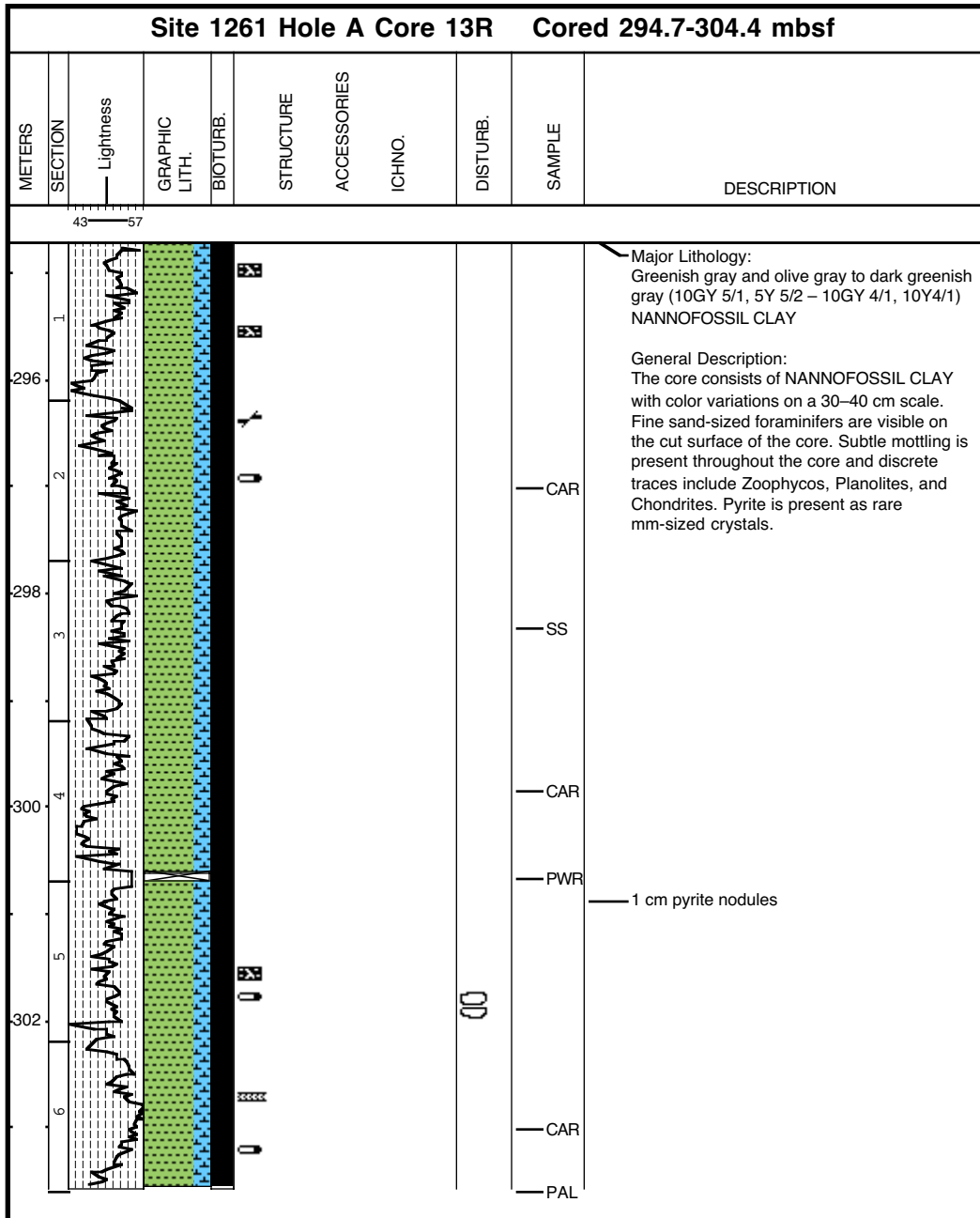
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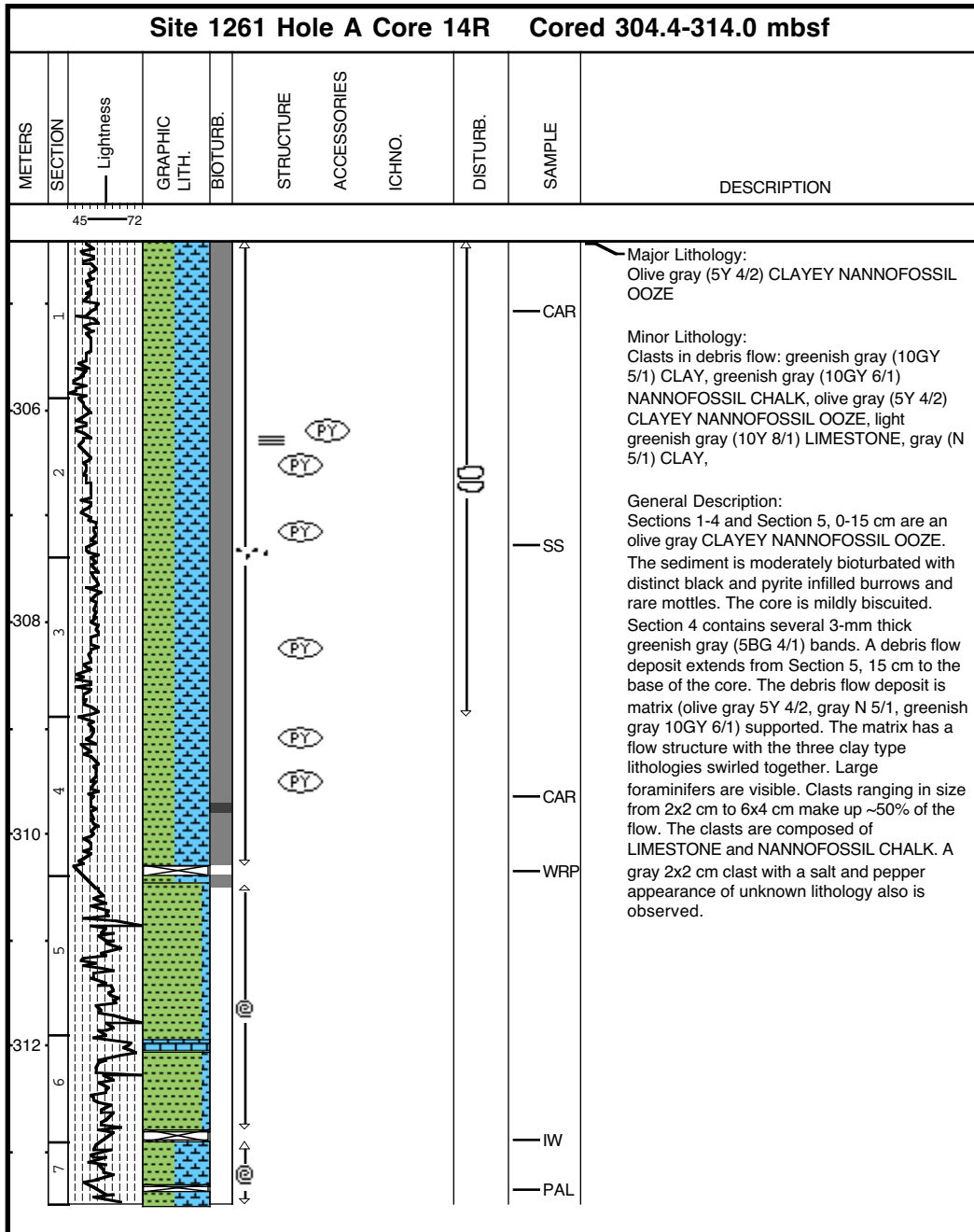
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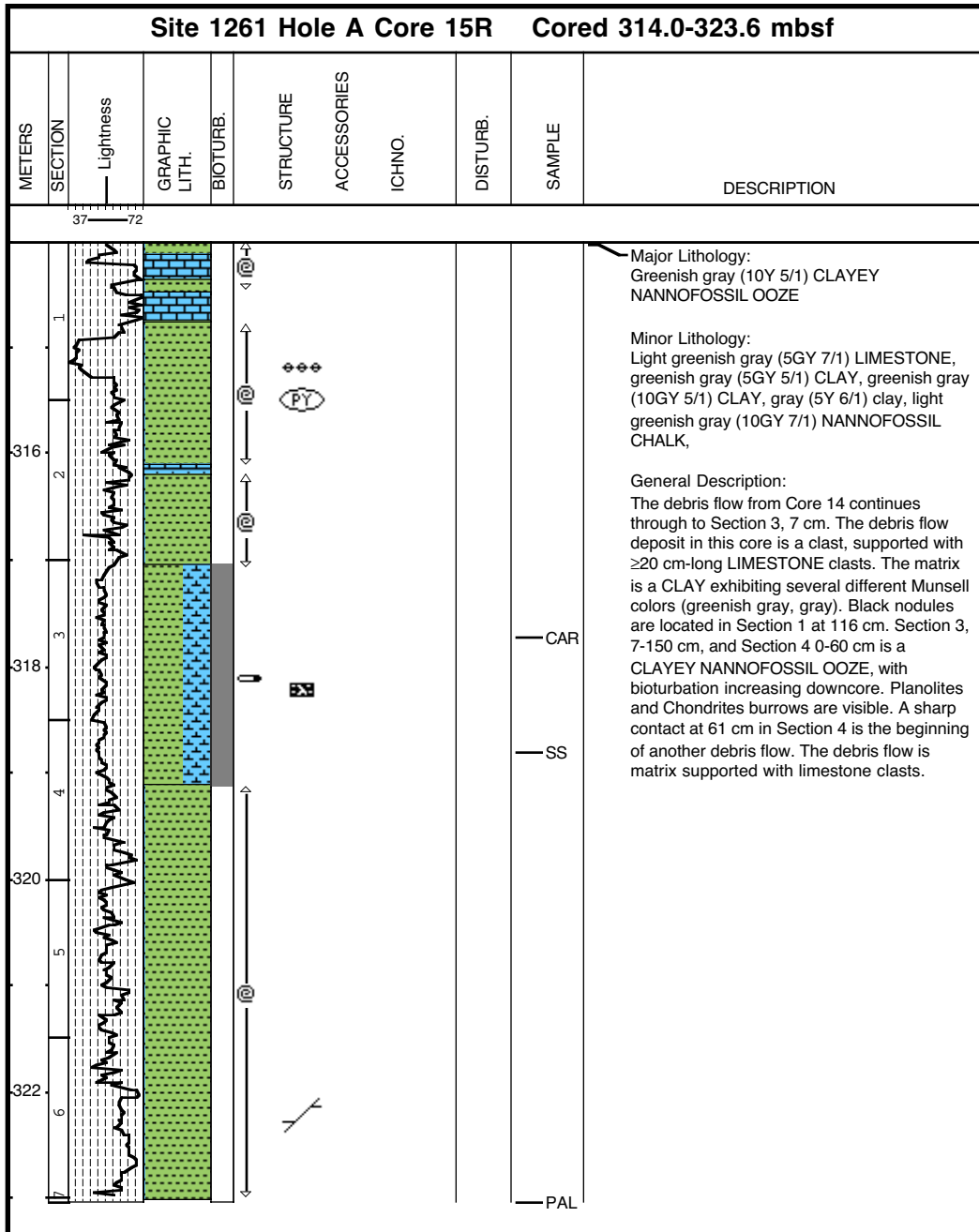
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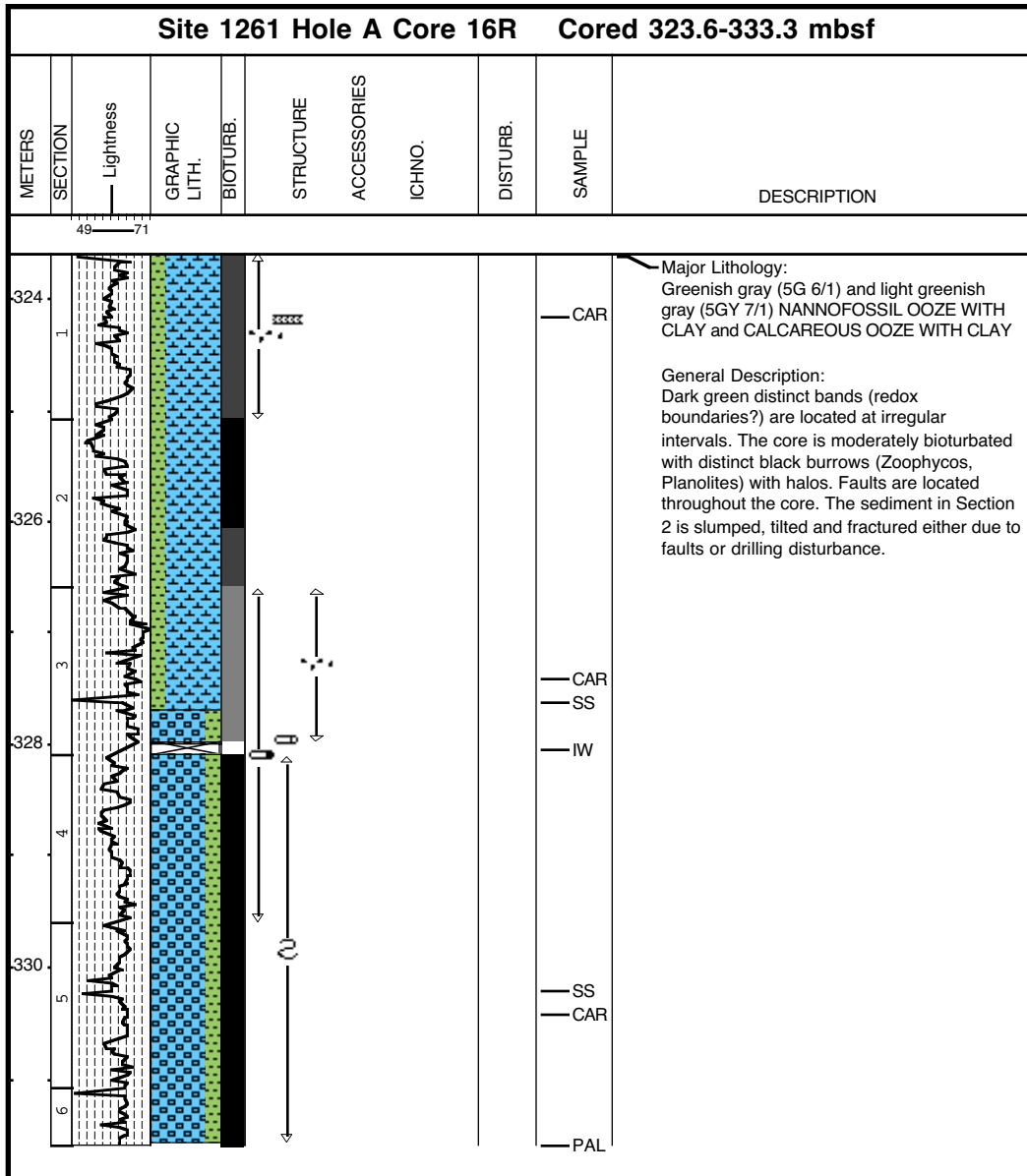
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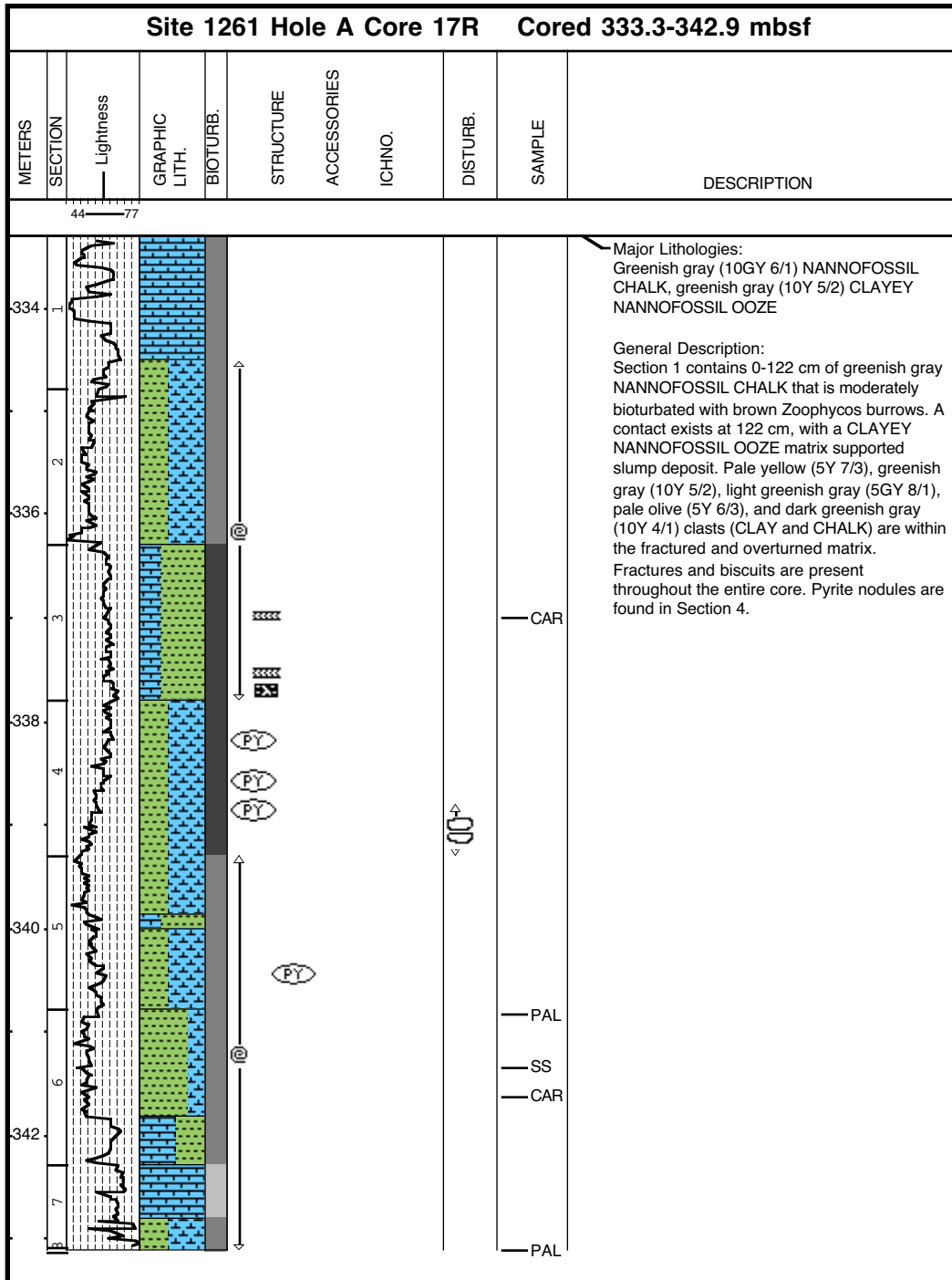
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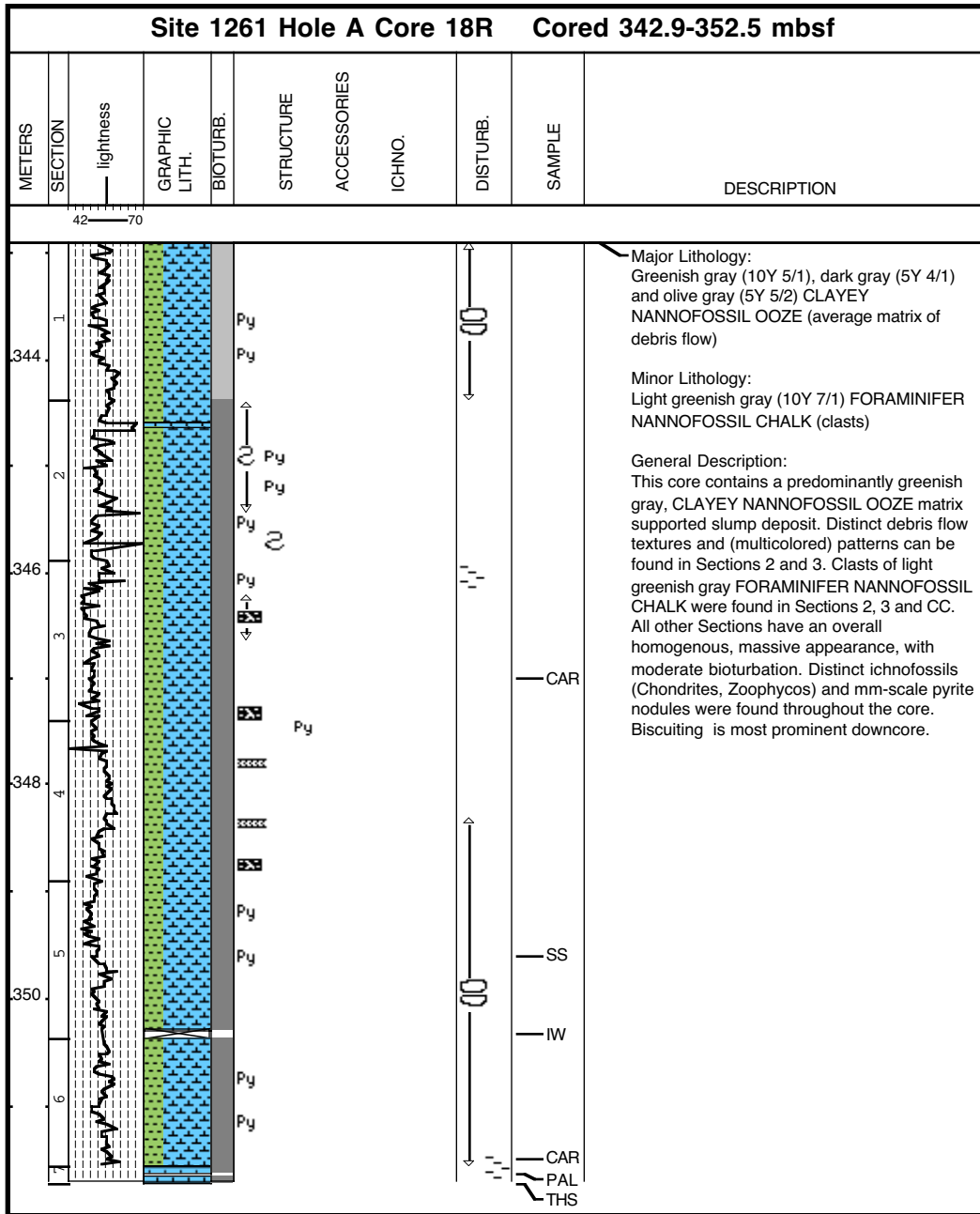
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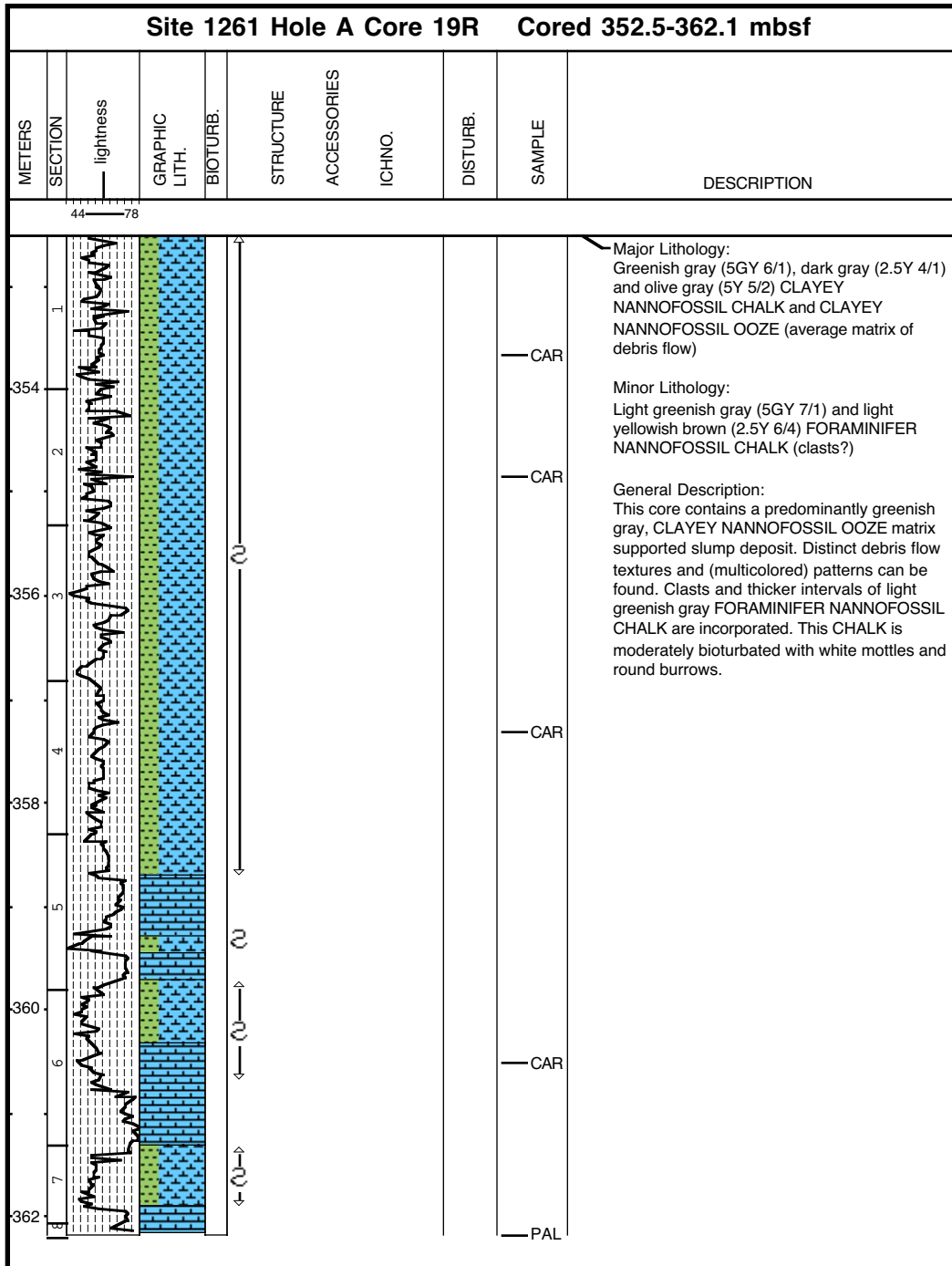
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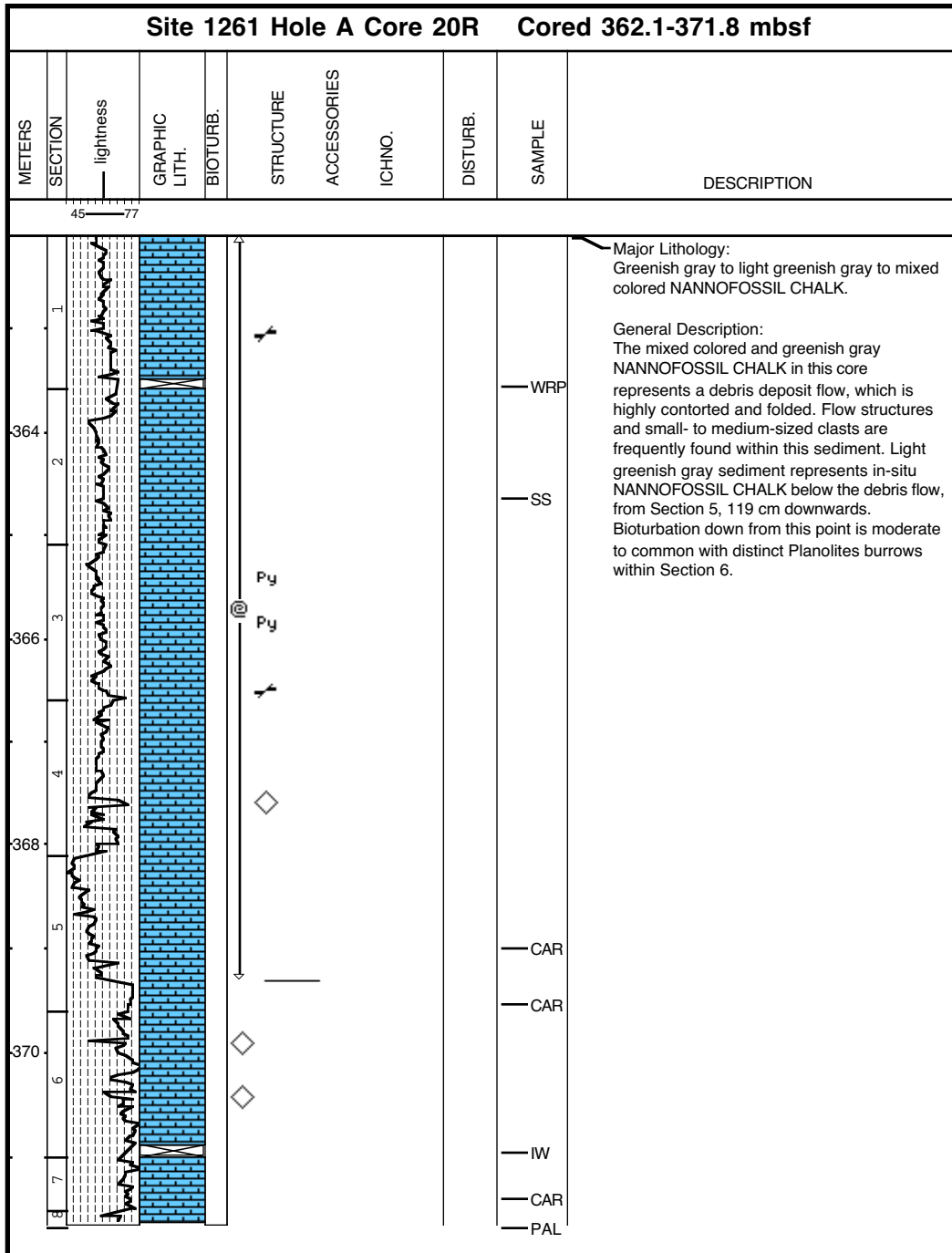
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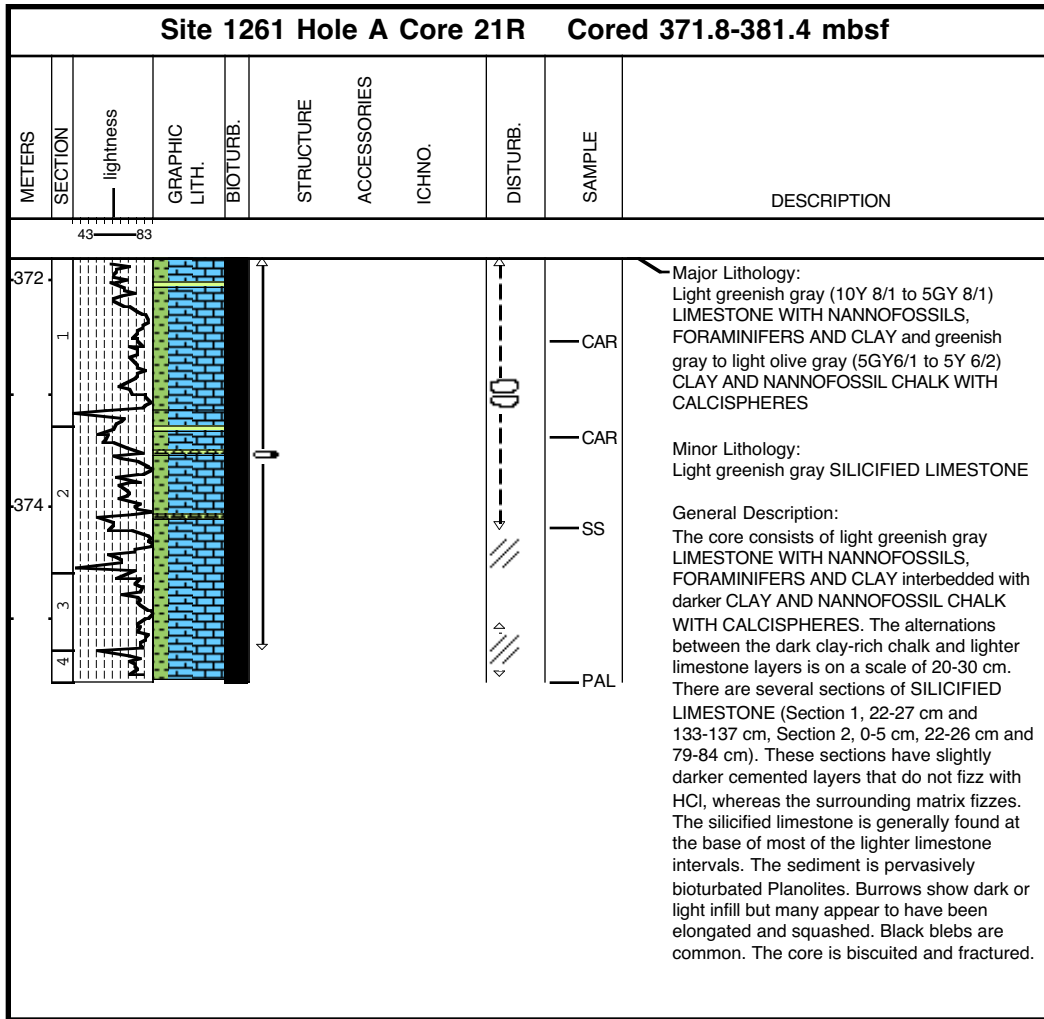
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Core Photo



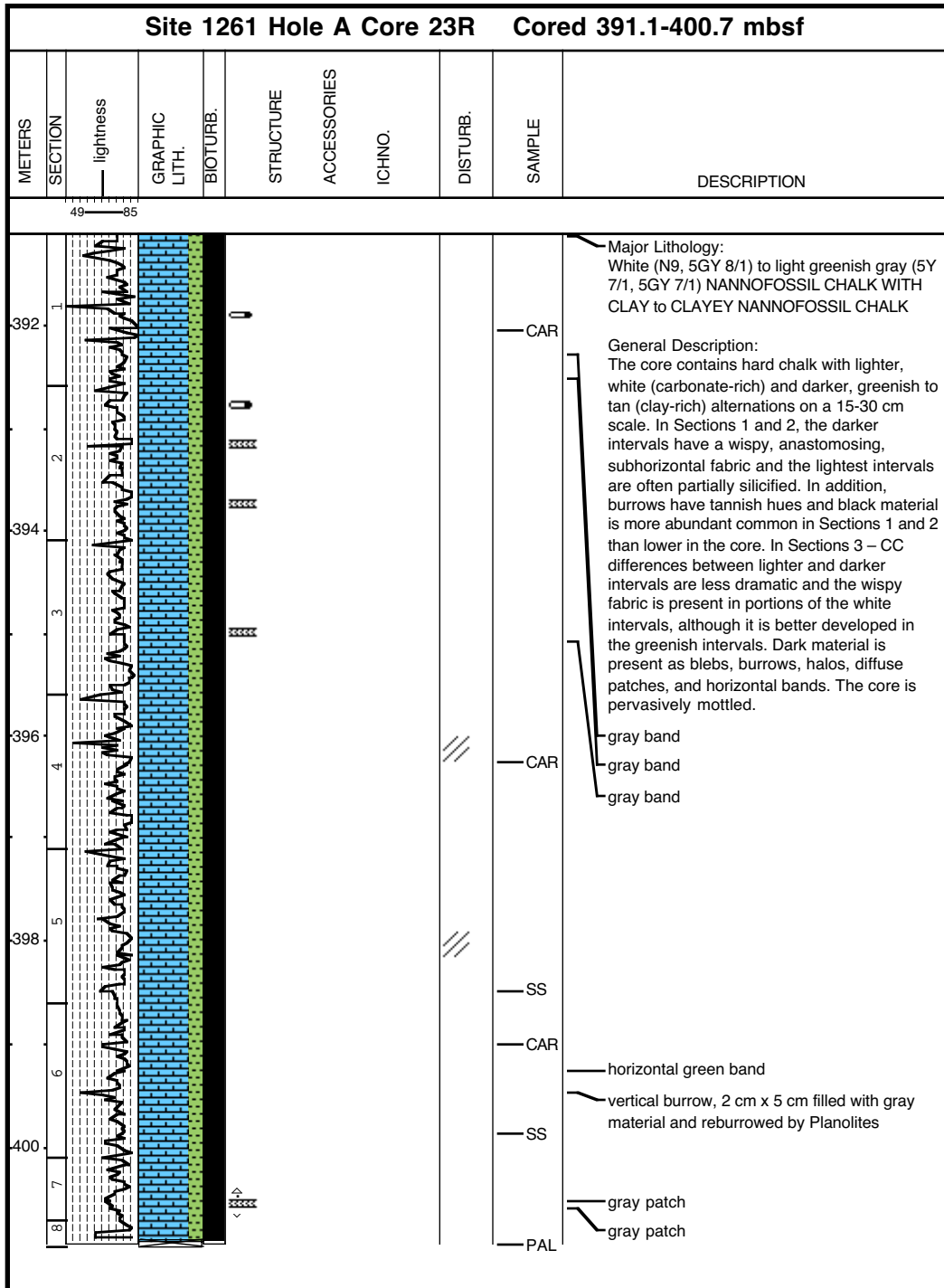
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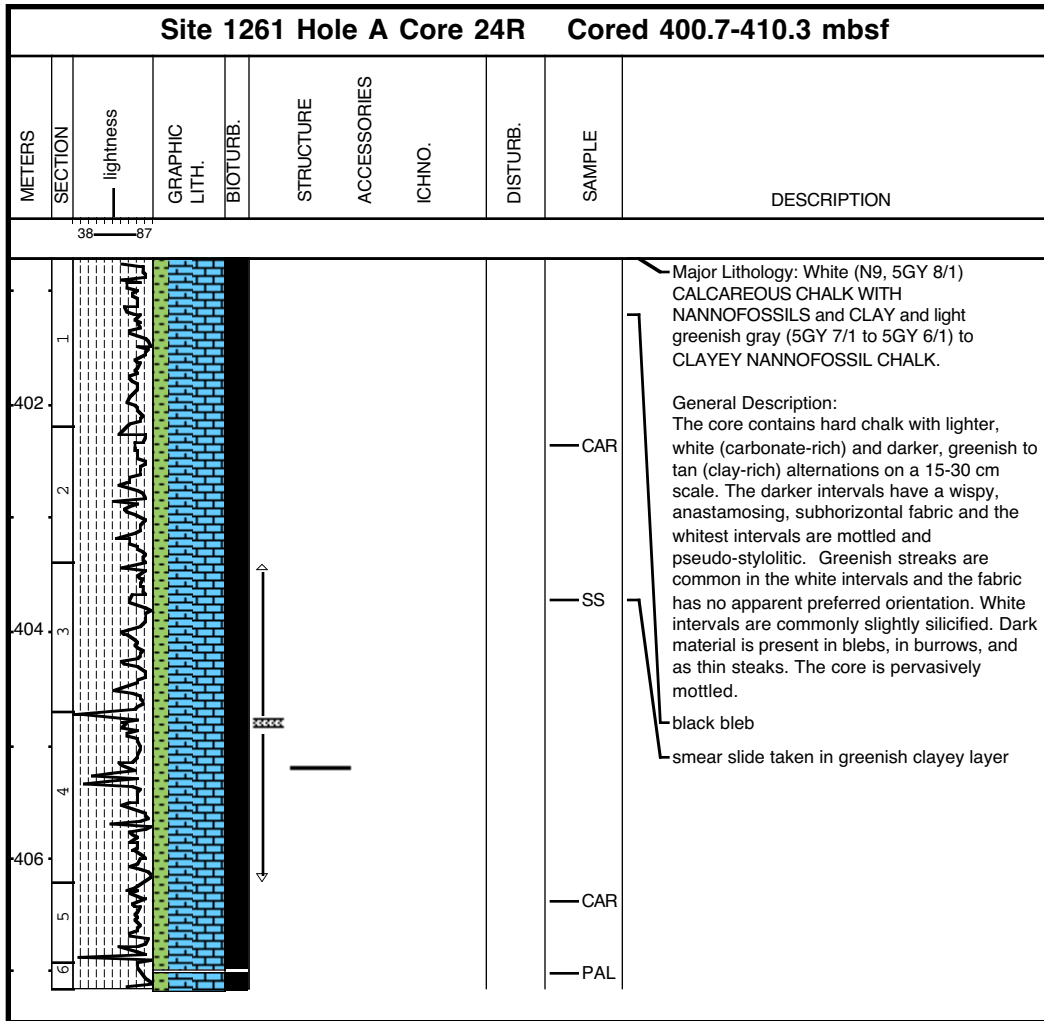
Core Photo

Site 1261 Hole A Core 22R Cored 381.4-391.1 mbsf										
METERS	SECTION	lightness	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	DISTURB.	SAMPLE	DESCRIPTION
382	1									<p>Major Lithology: White (N9, 5GY 8/1) to light greenish gray (5GY 7/1) NANNOFOSSIL CHALK WITH CLAY to CLAYEY NANNOFOSSIL CHALK</p> <p>General Description: The core contains hard chalk with light (carbonate-rich) and dark (clay-rich) alternations on a 20-30 cm scale. The greenish (darker) intervals have a wispy, anastomosing, subhorizontal fabric that wraps around white, oval burrows in places. Greenish streaks are common in the white intervals and the fabric has no apparent preferred orientation. White intervals are commonly slightly silicified. Dark material is present in blebs, in burrows, and as thin streaks. The core is pervasively mottled throughout.</p> <p>1 cm tan patch 1 cm diameter green halo around a centered on a .5 mm black bleb 2 cm long vertical burrow filled with dark material 5 cm long, vertical burrow filled with dark material</p>
384	2								SS CAR SS	
	3								IW PAL	

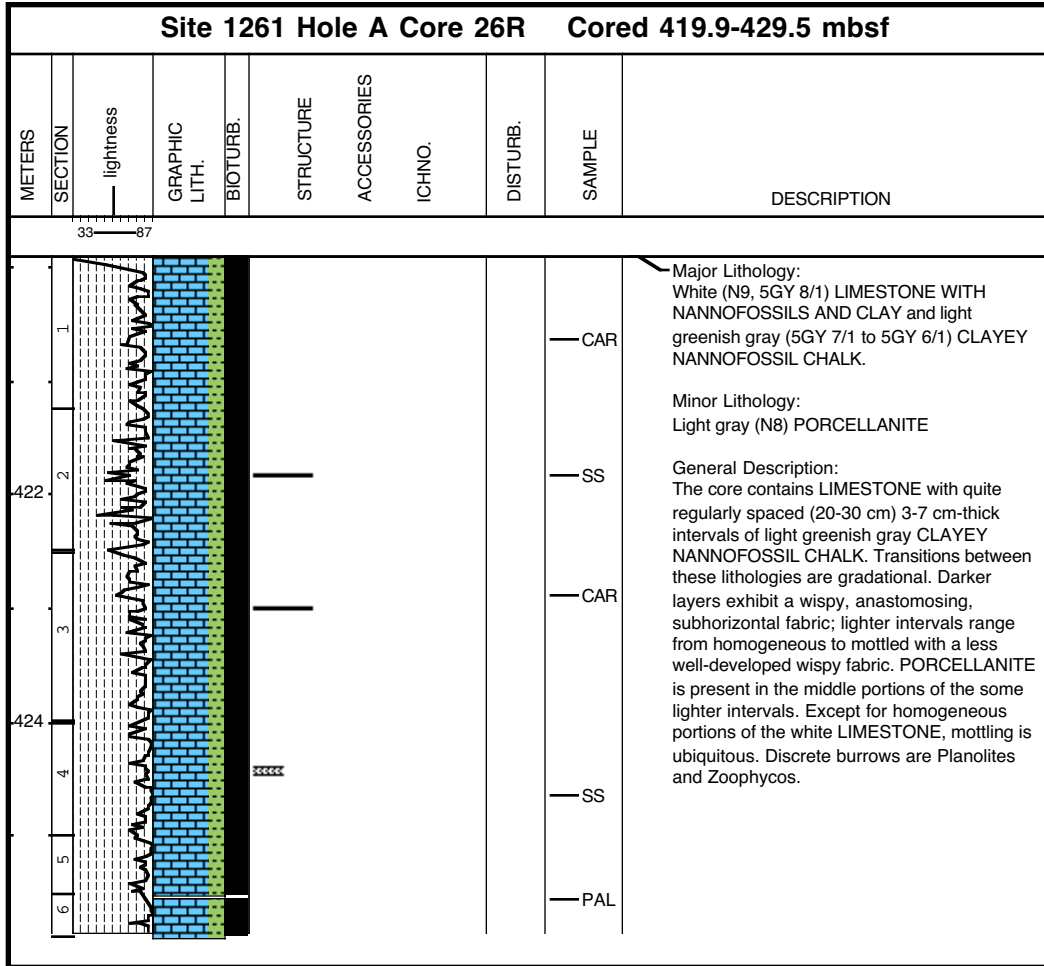
Core Photo



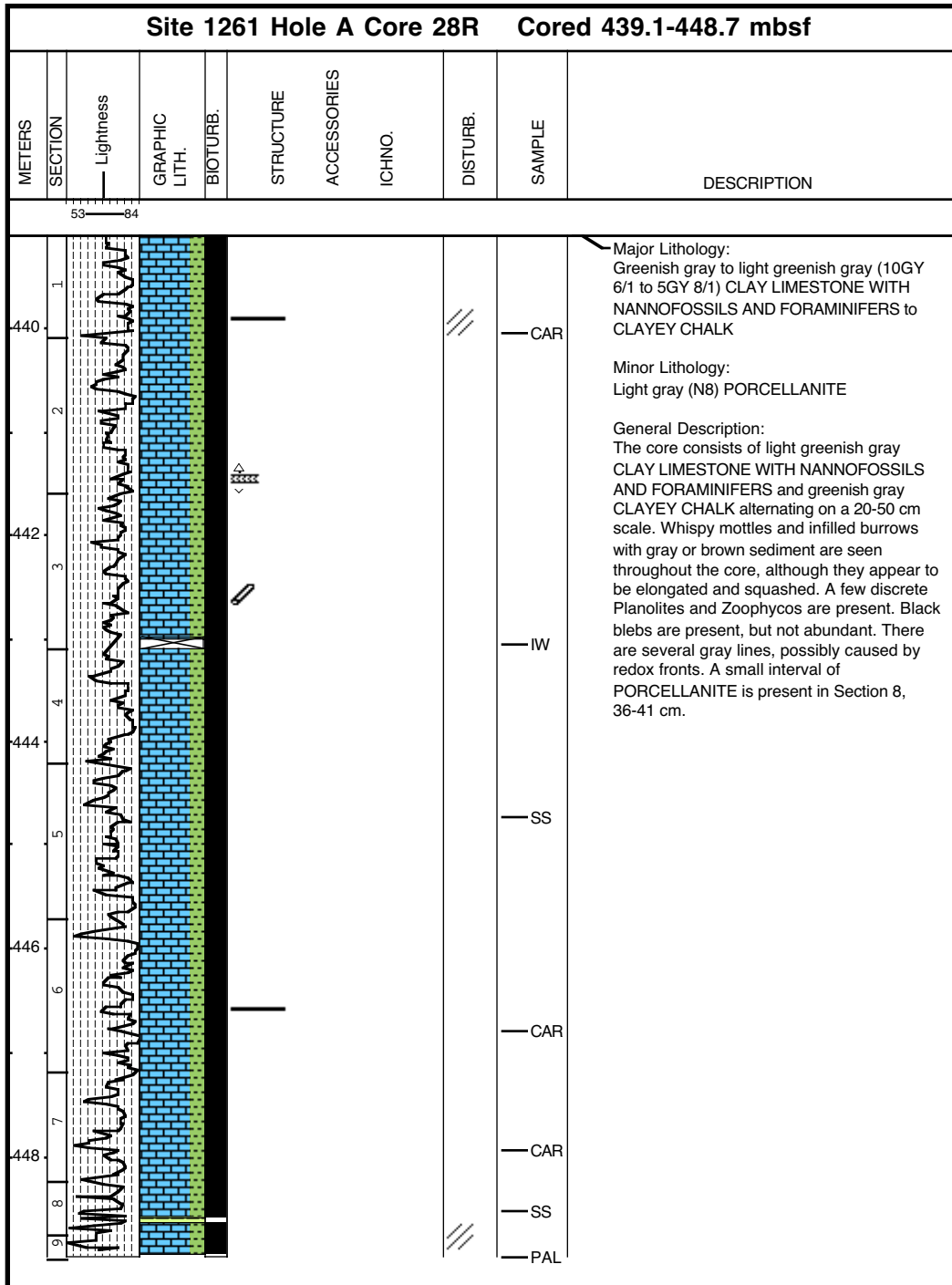
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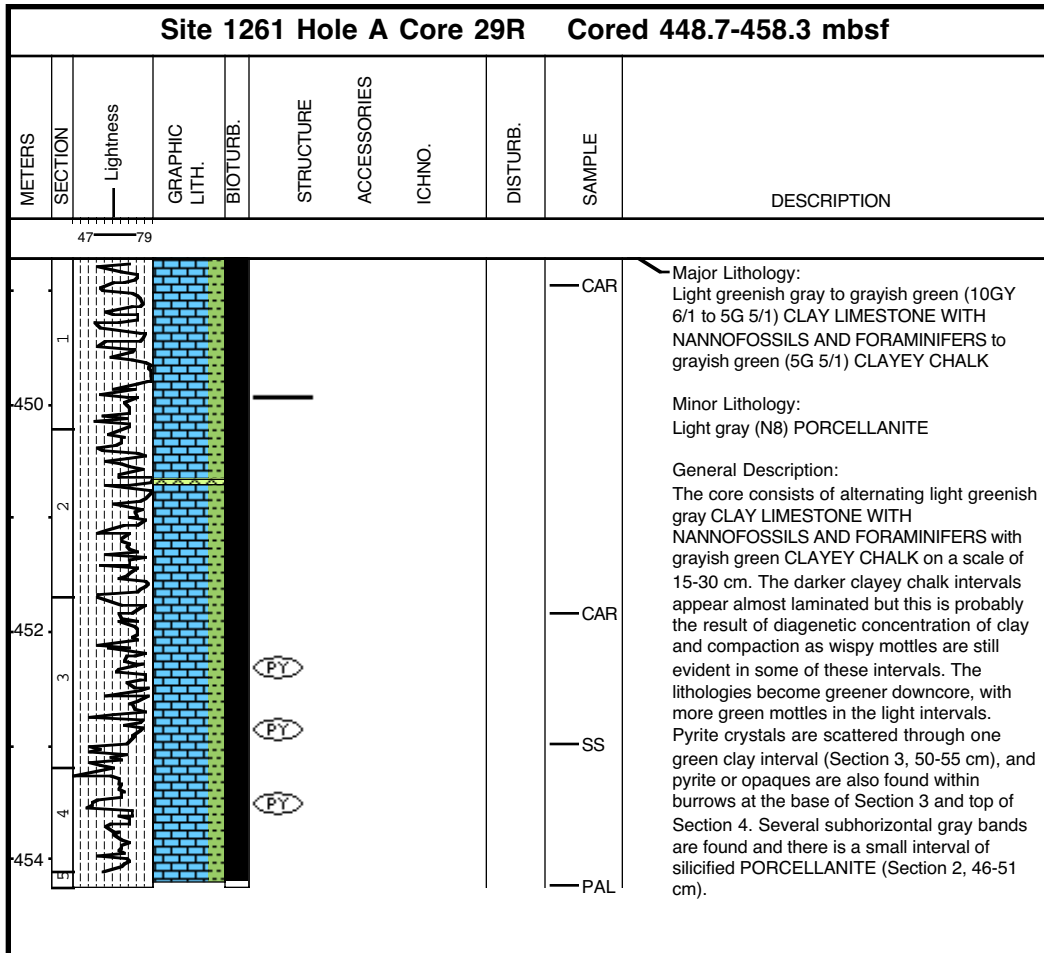
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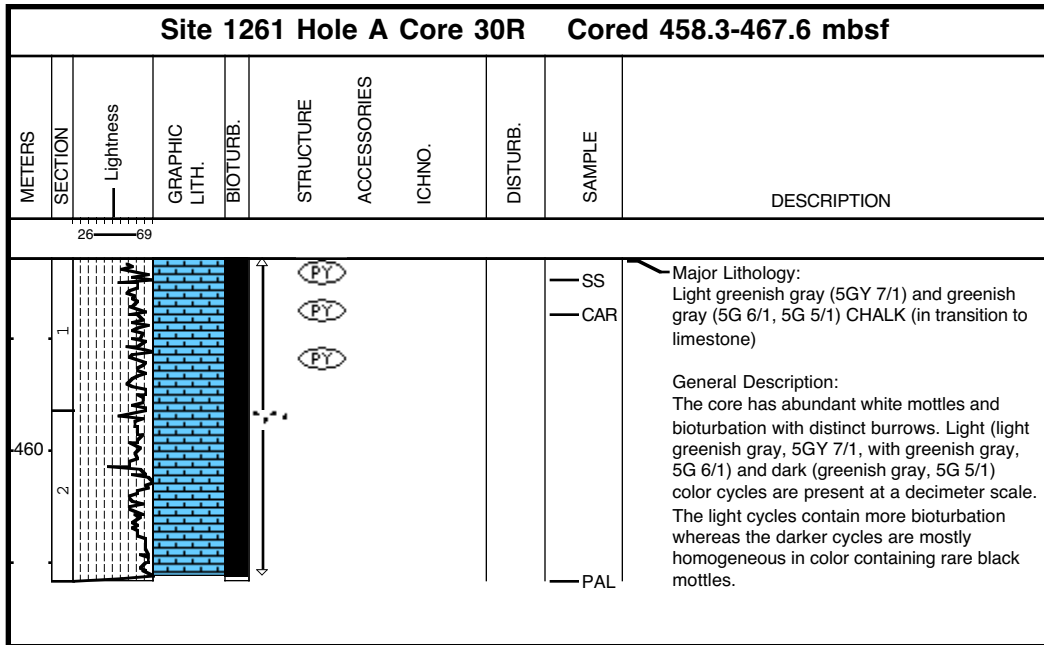
Core Photo



Core Photo



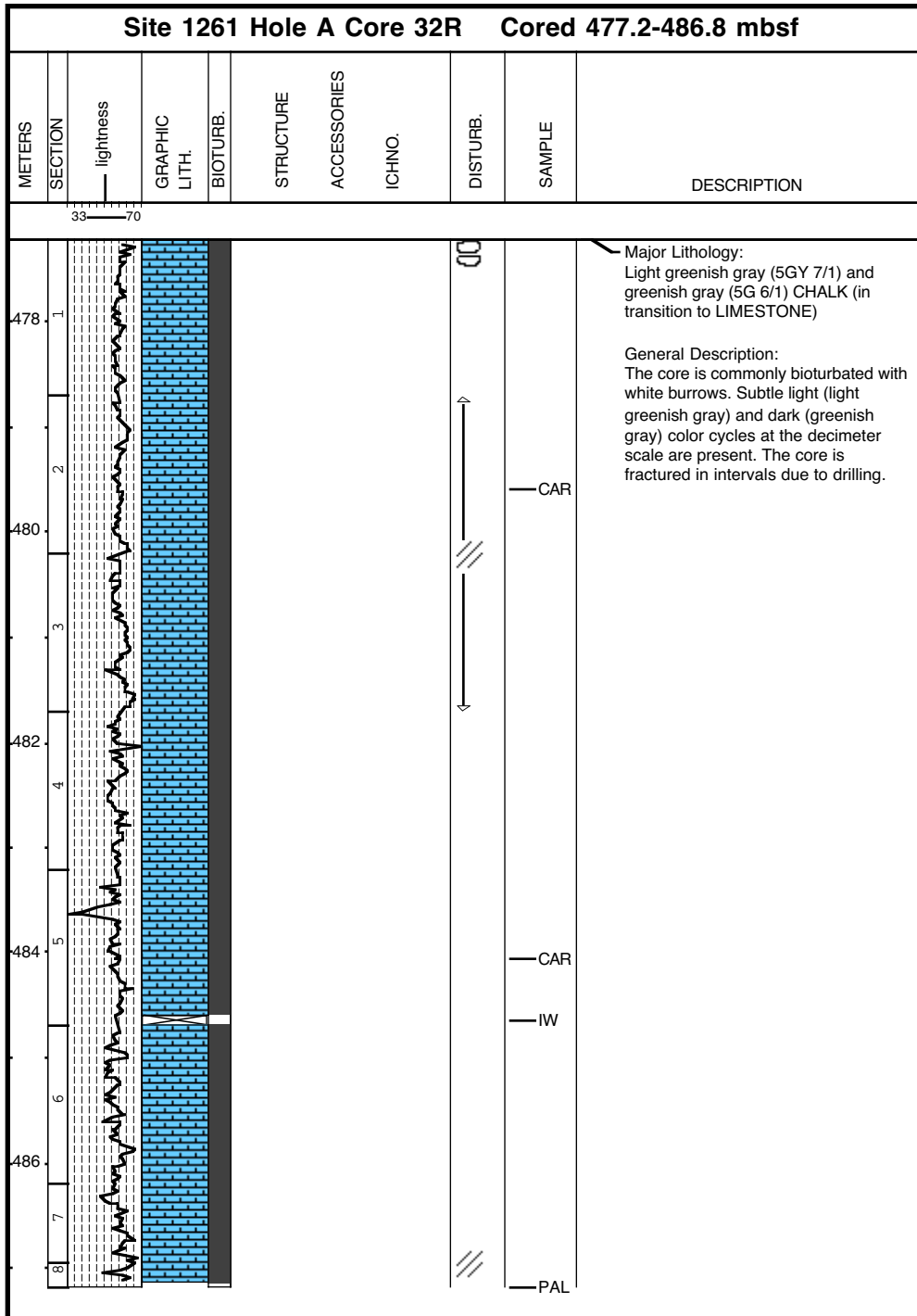
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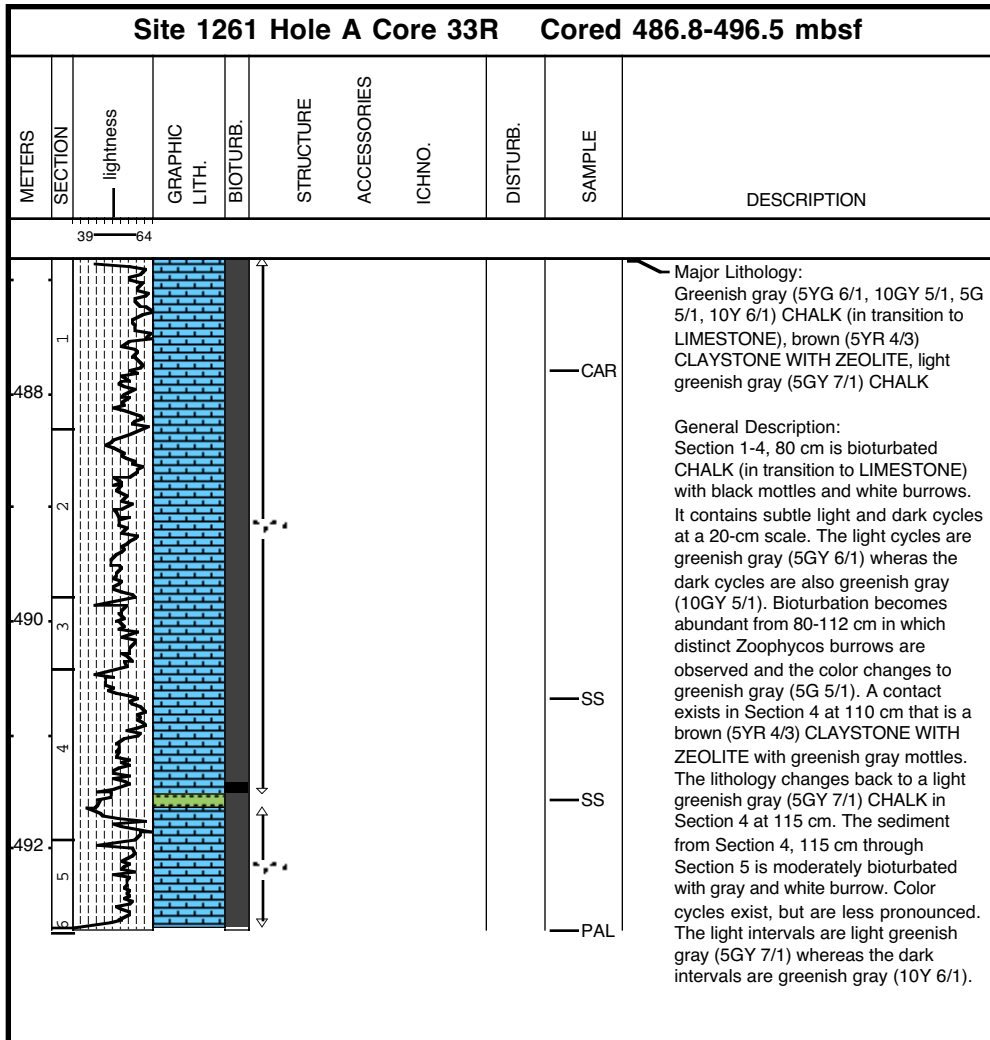
Core Photo

Site 1261 Hole A Core 31R Cored 467.6-477.2 mbsf										
METERS	SECTION	Lightness	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	DISTURB.	SAMPLE	DESCRIPTION
45										
468	1									<p>Major Lithology: Light greenish gray (5GY 7/1) and greenish gray (5G 6/1) CHALK (in transition to LIMESTONE)</p> <p>General Description: Decimeter scale light (light greenish gray) and dark (greenish gray) cycles are present. Sediment is mottled. The core has been disturbed by drilling (biscuits, slurry, tilted). In Section 1, at 50 cm a sharp but bioturbated contact exists in which sediment changes to a light brownish gray color.</p>

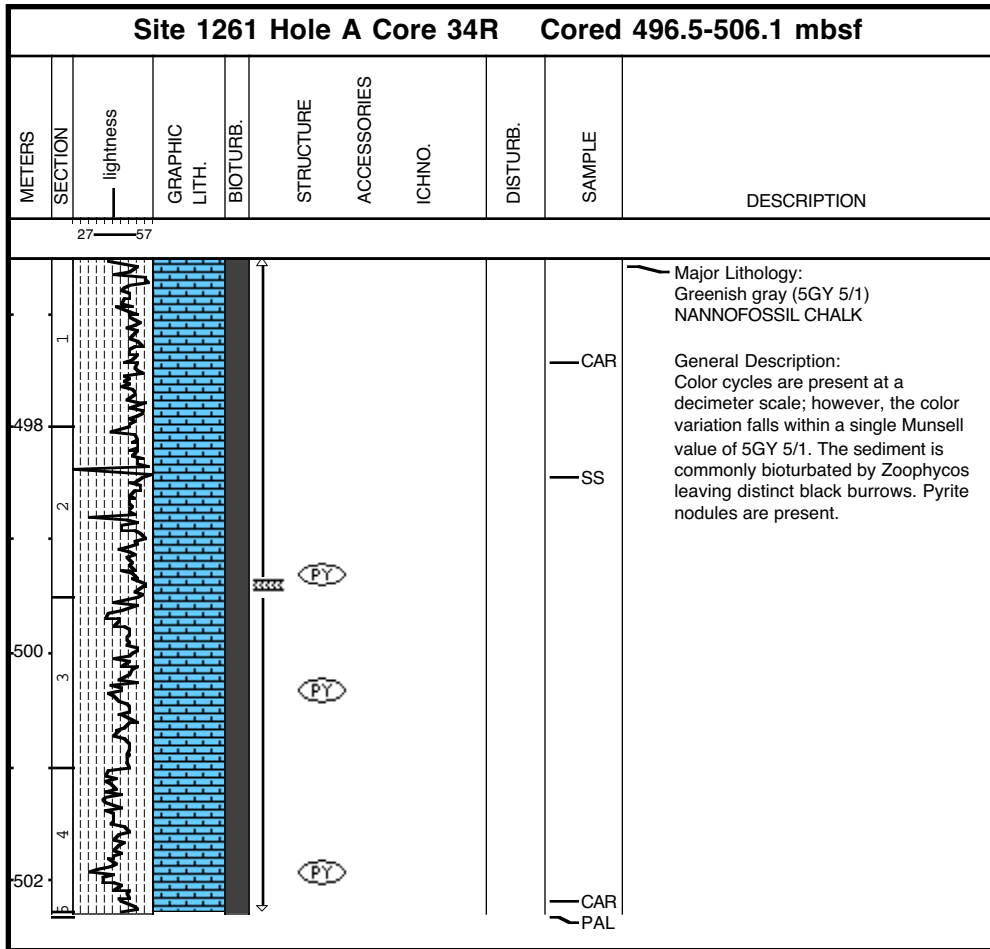
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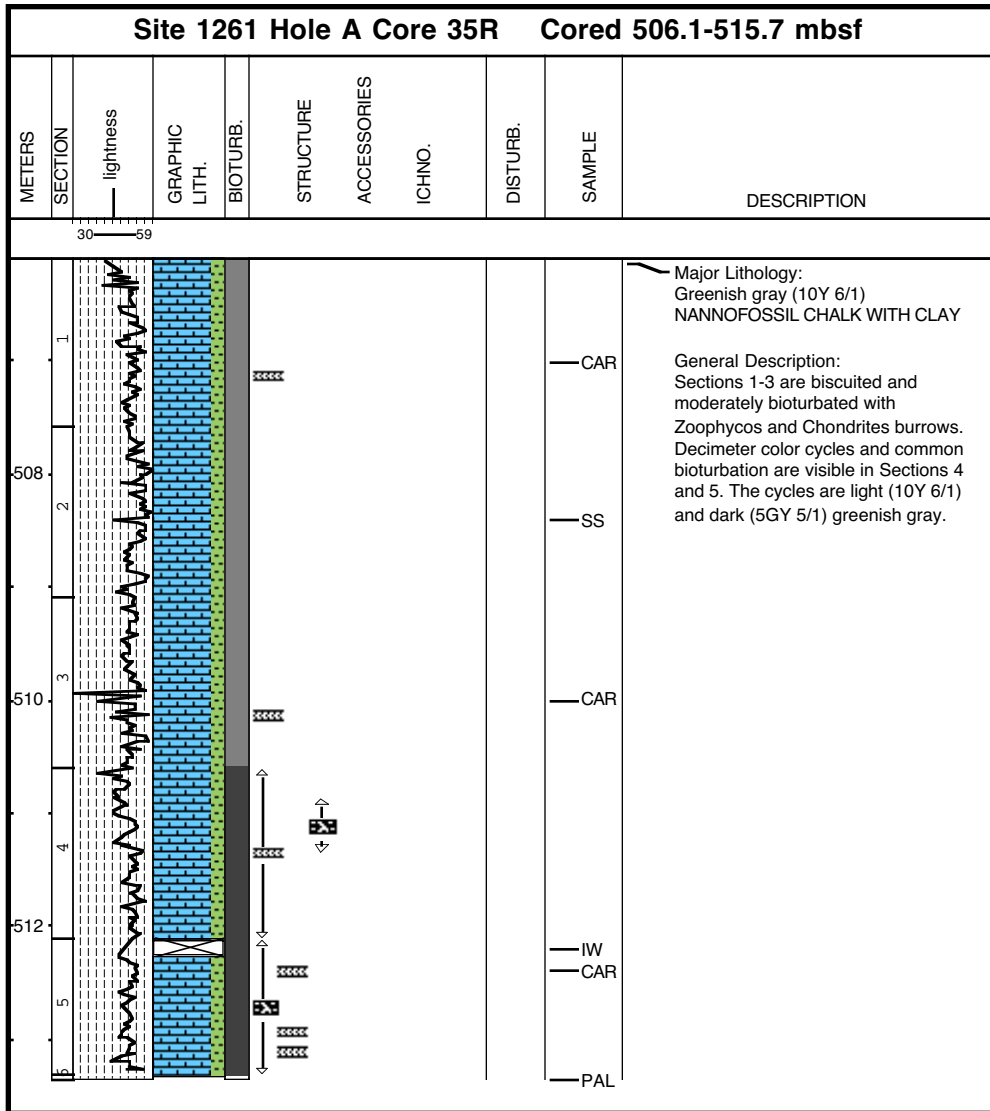
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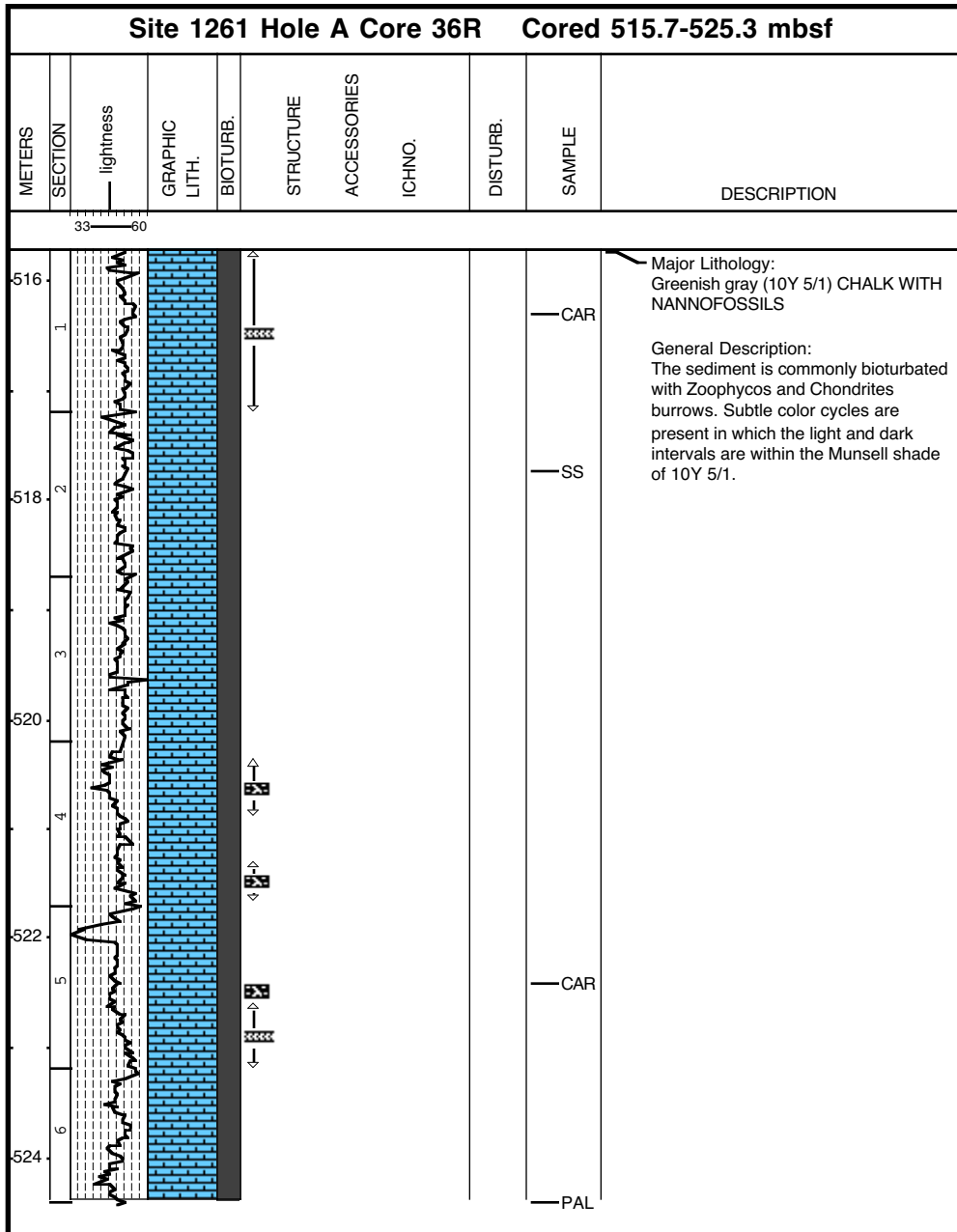
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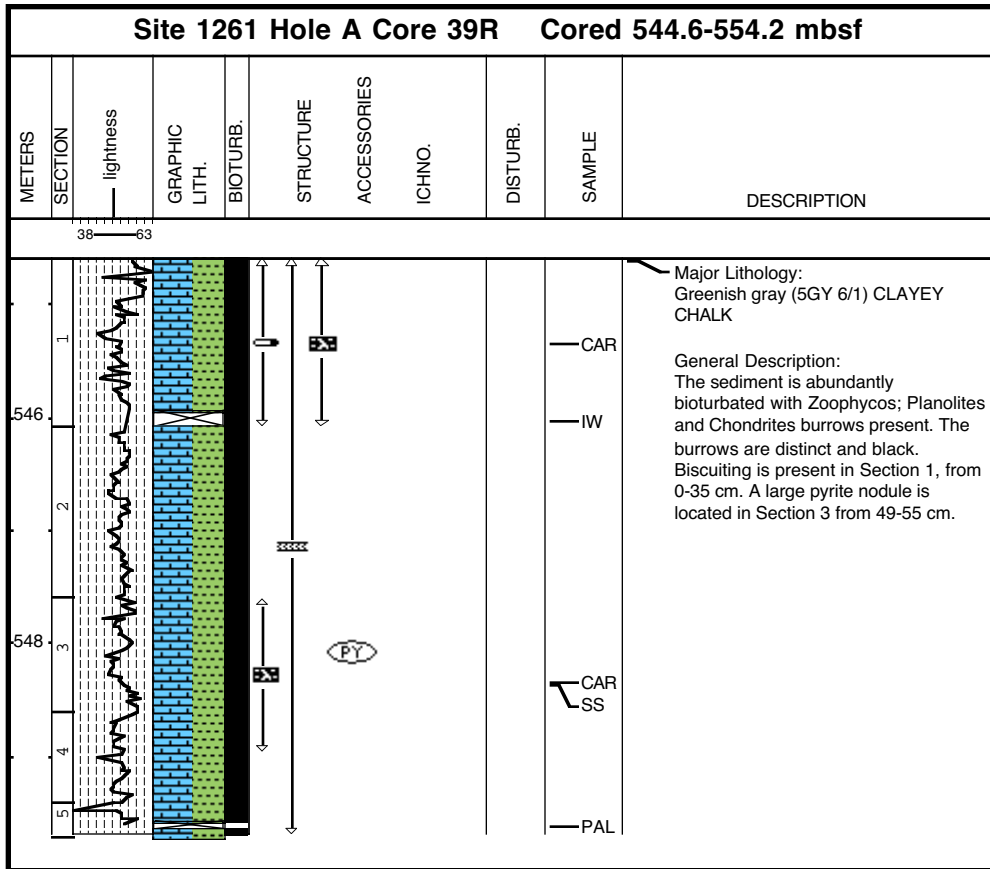
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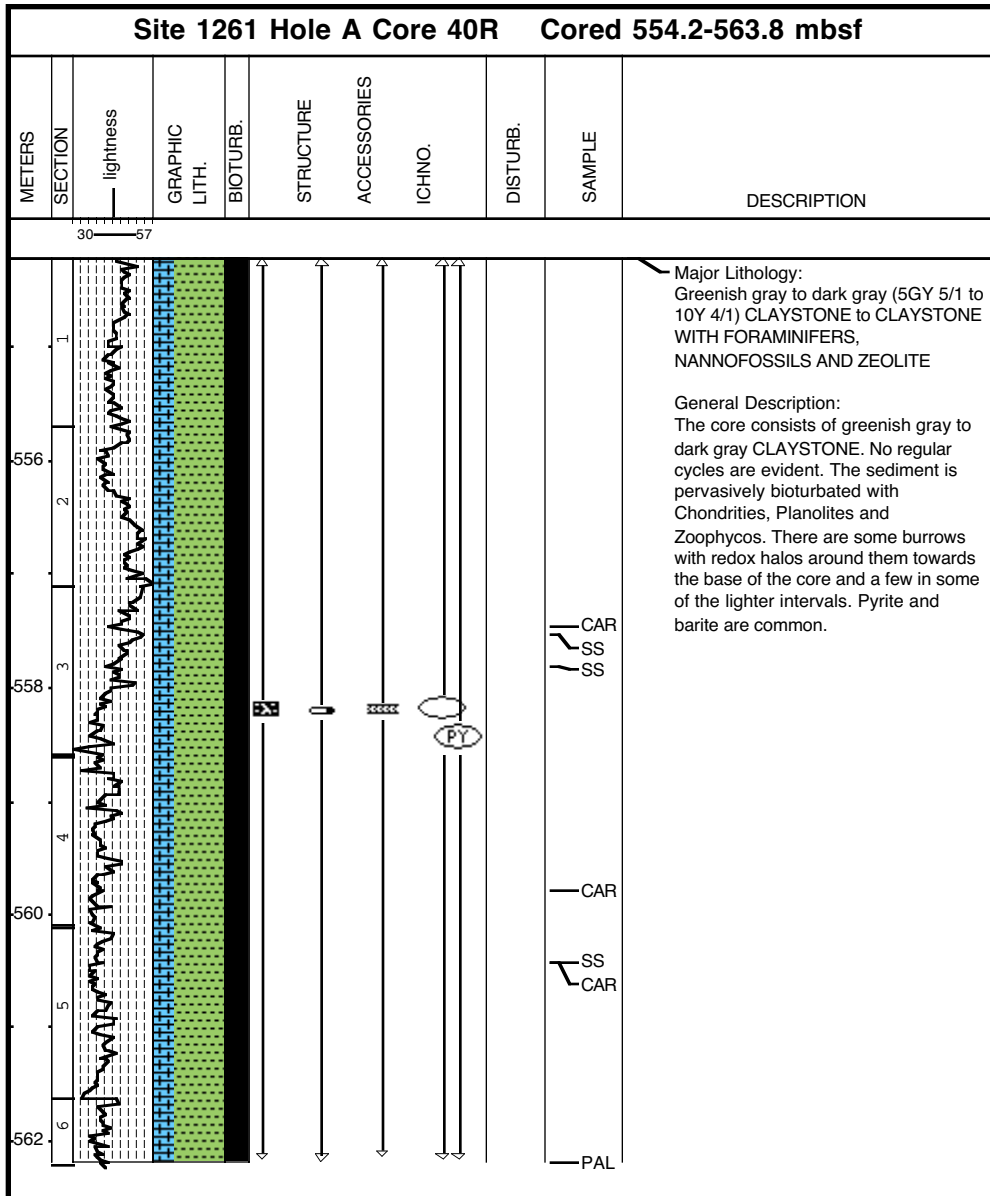
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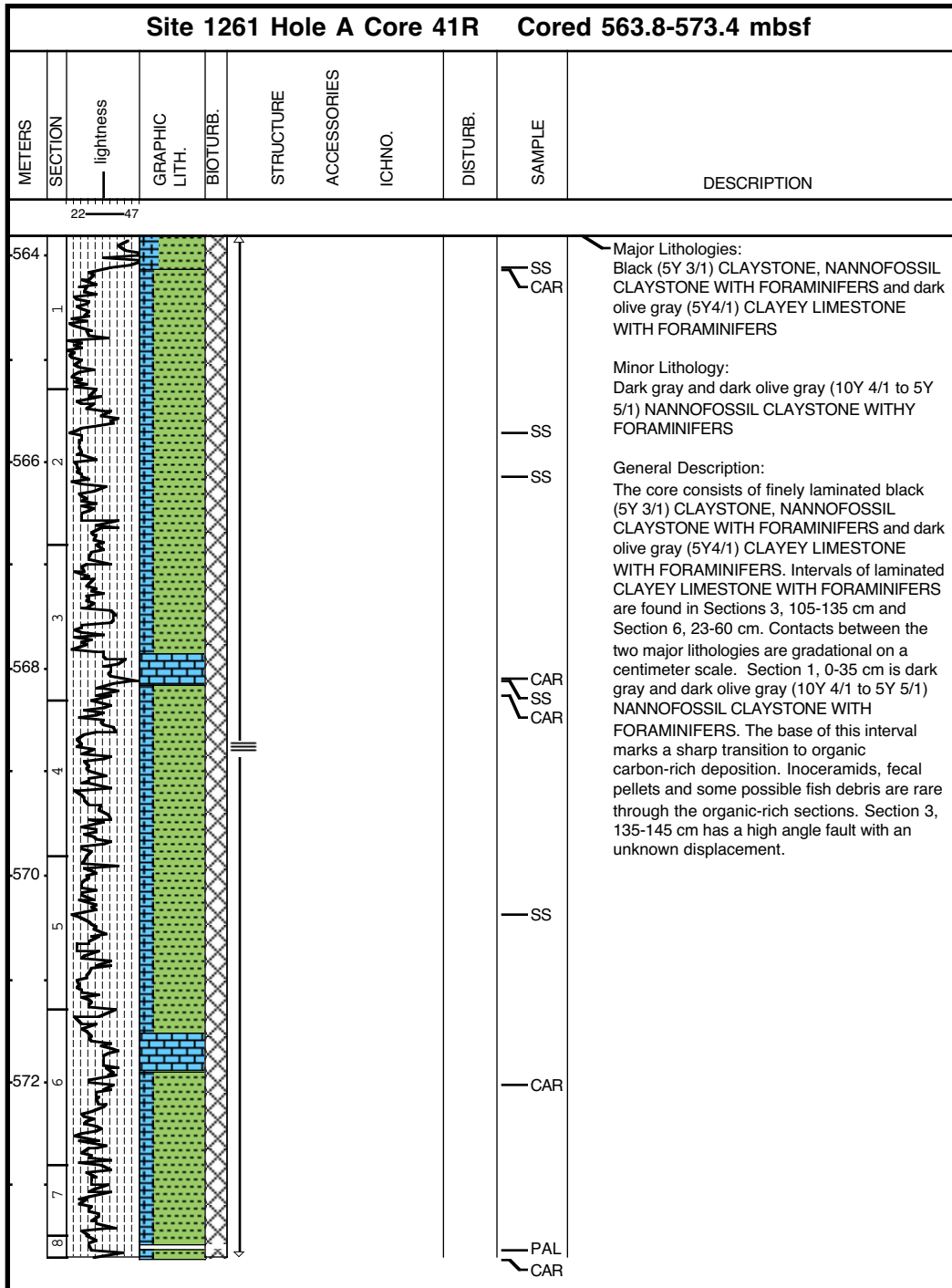
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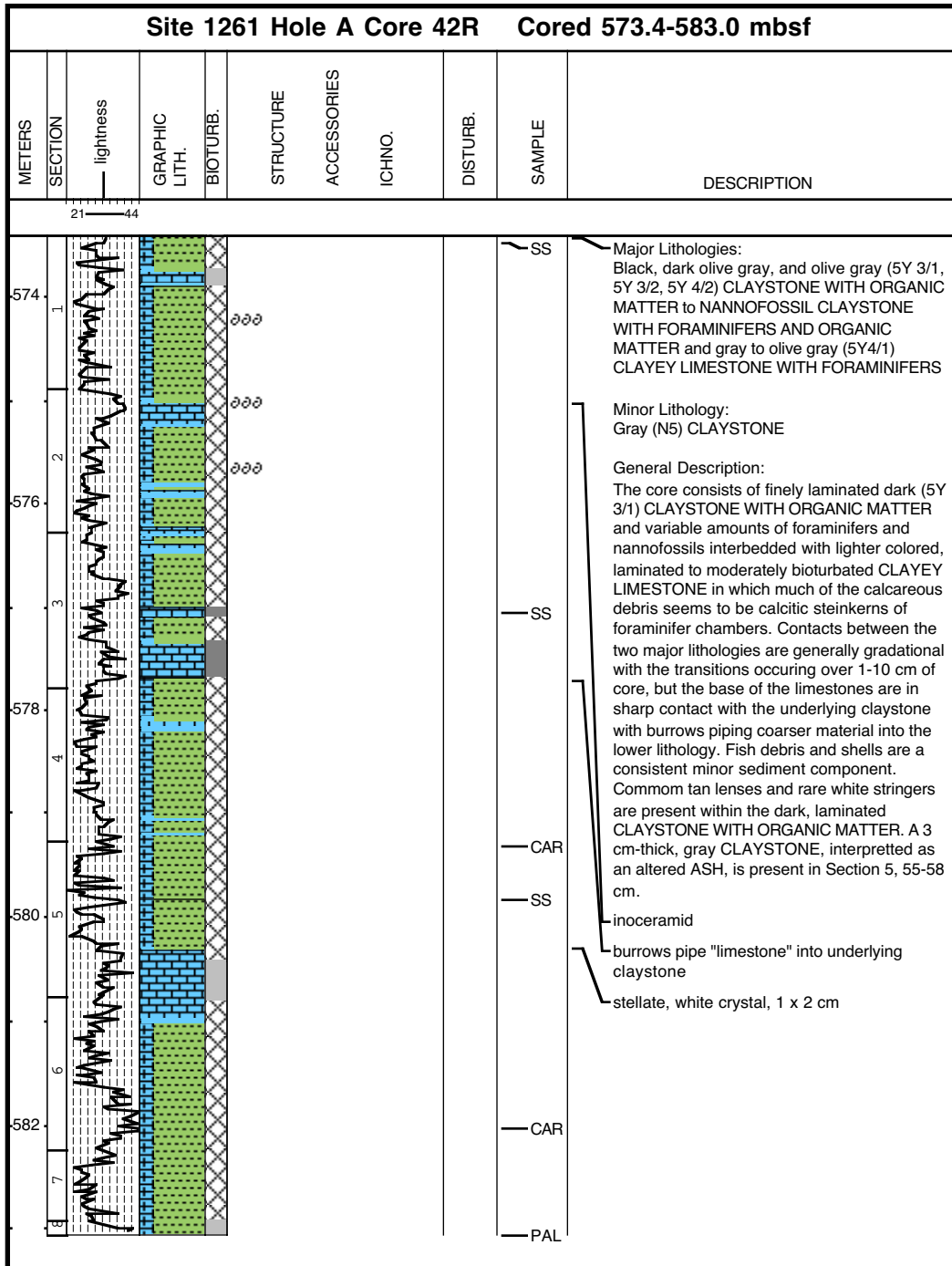
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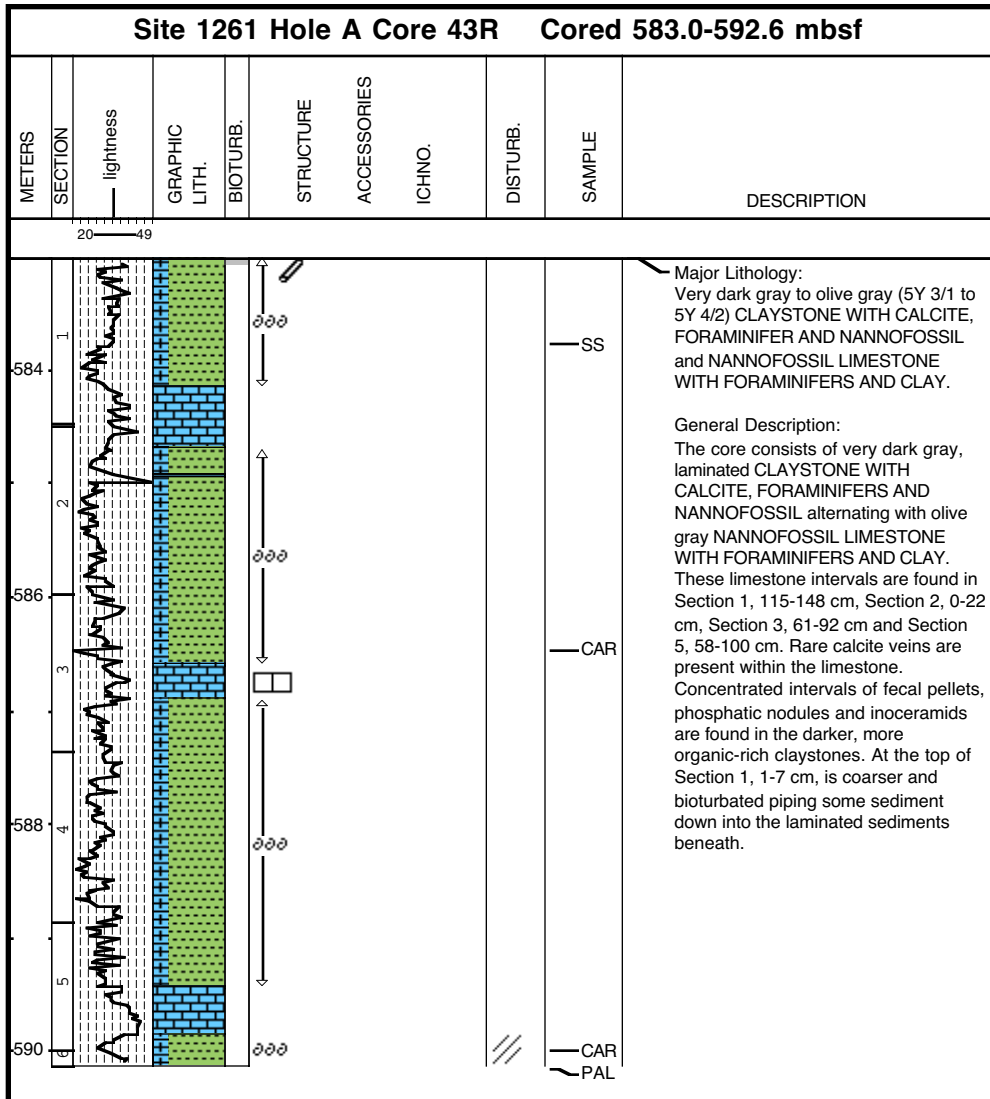
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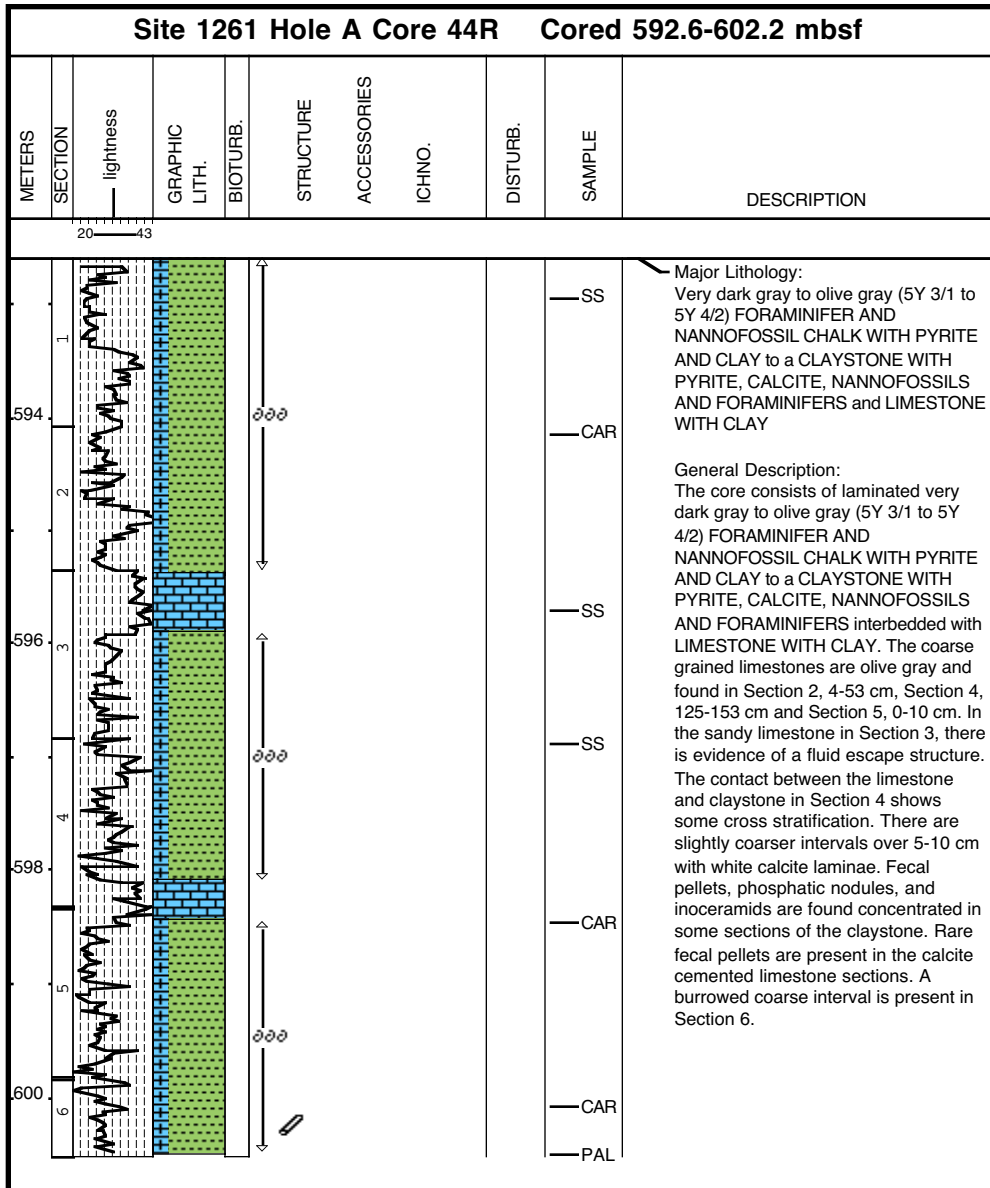
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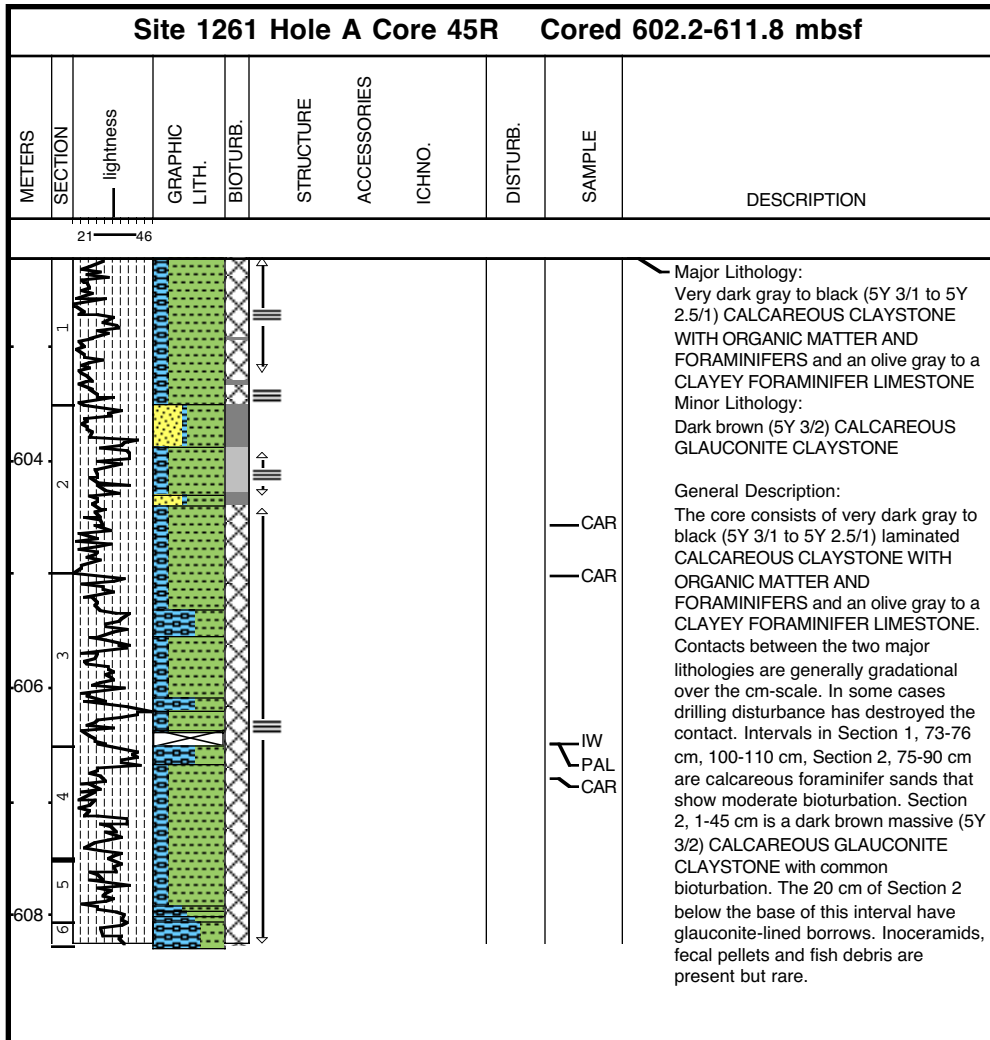
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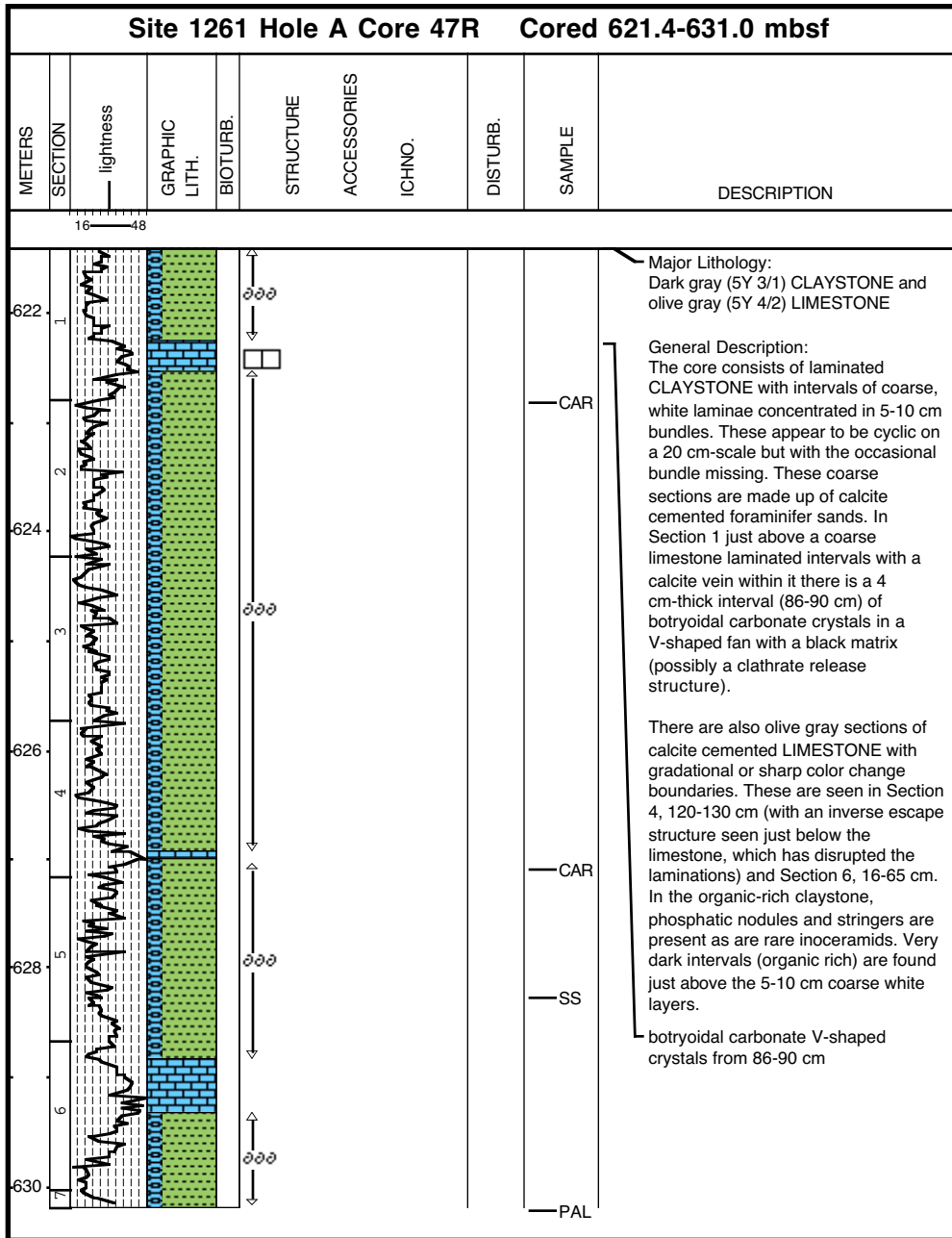
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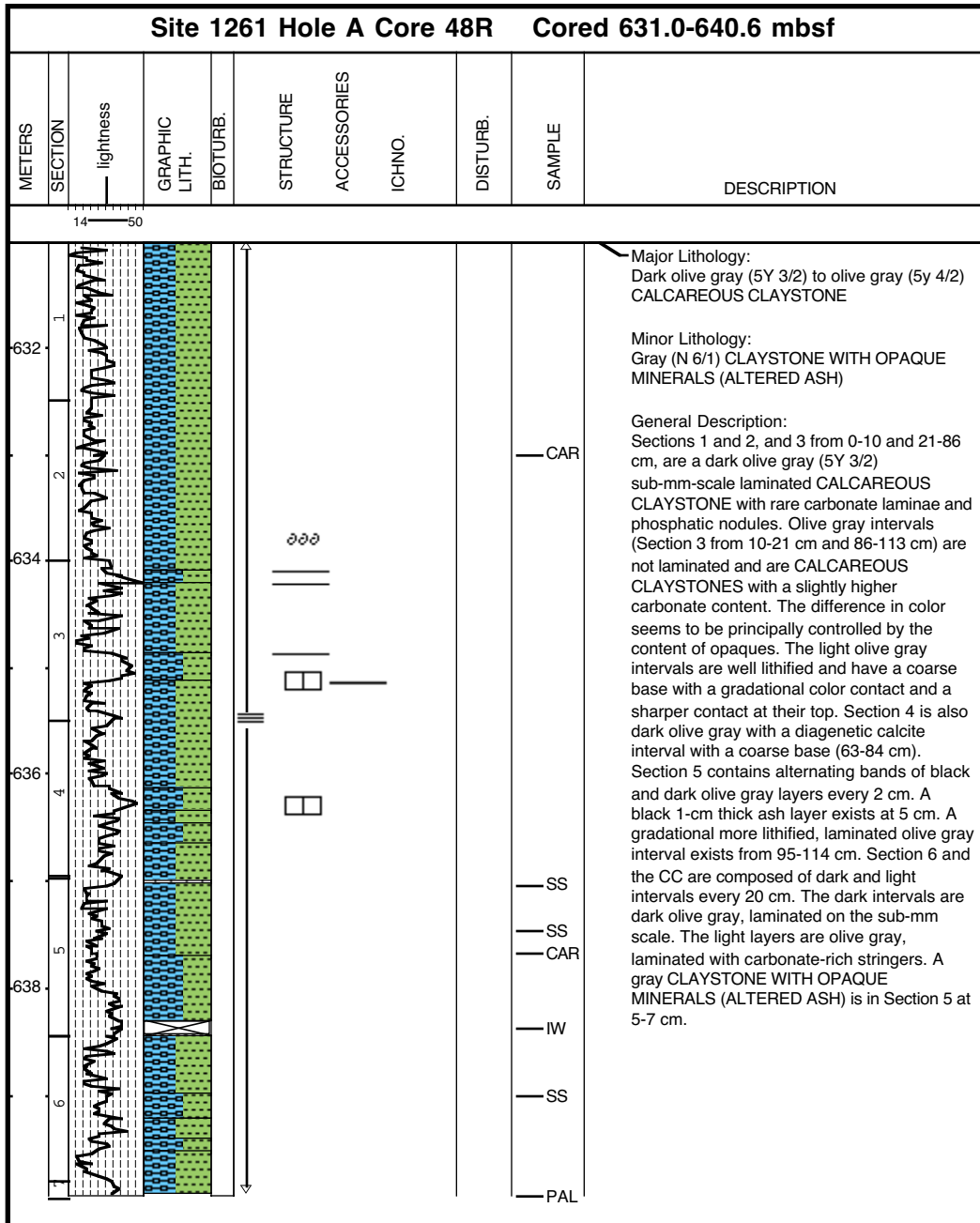
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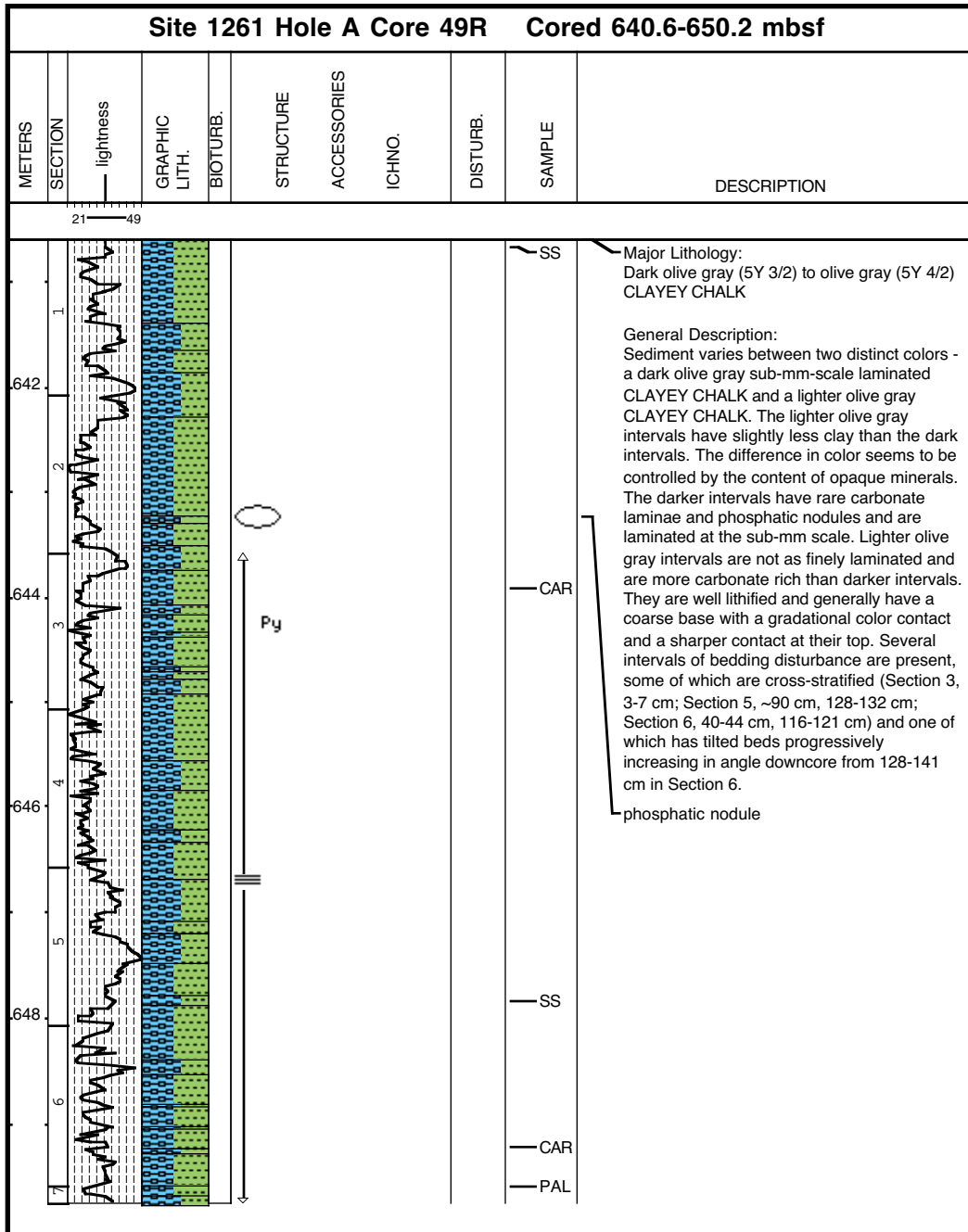
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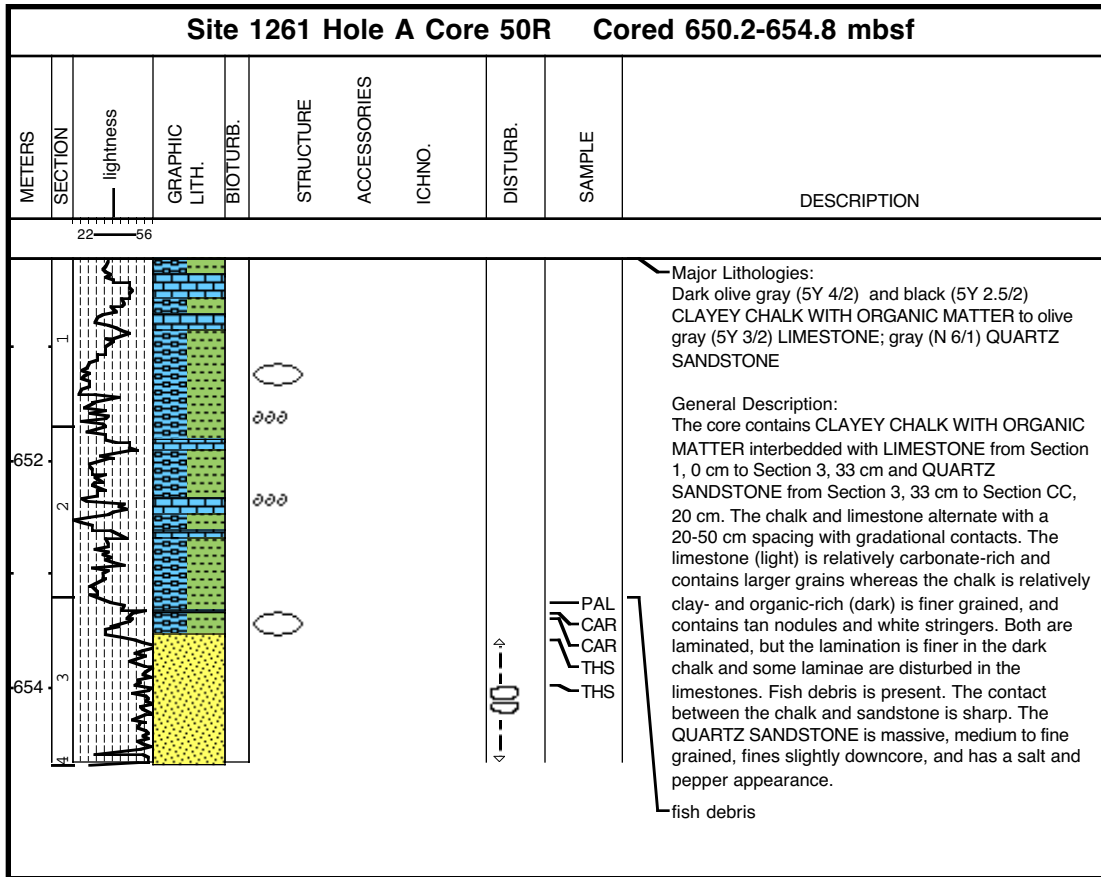
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Core Photo



Core Photo

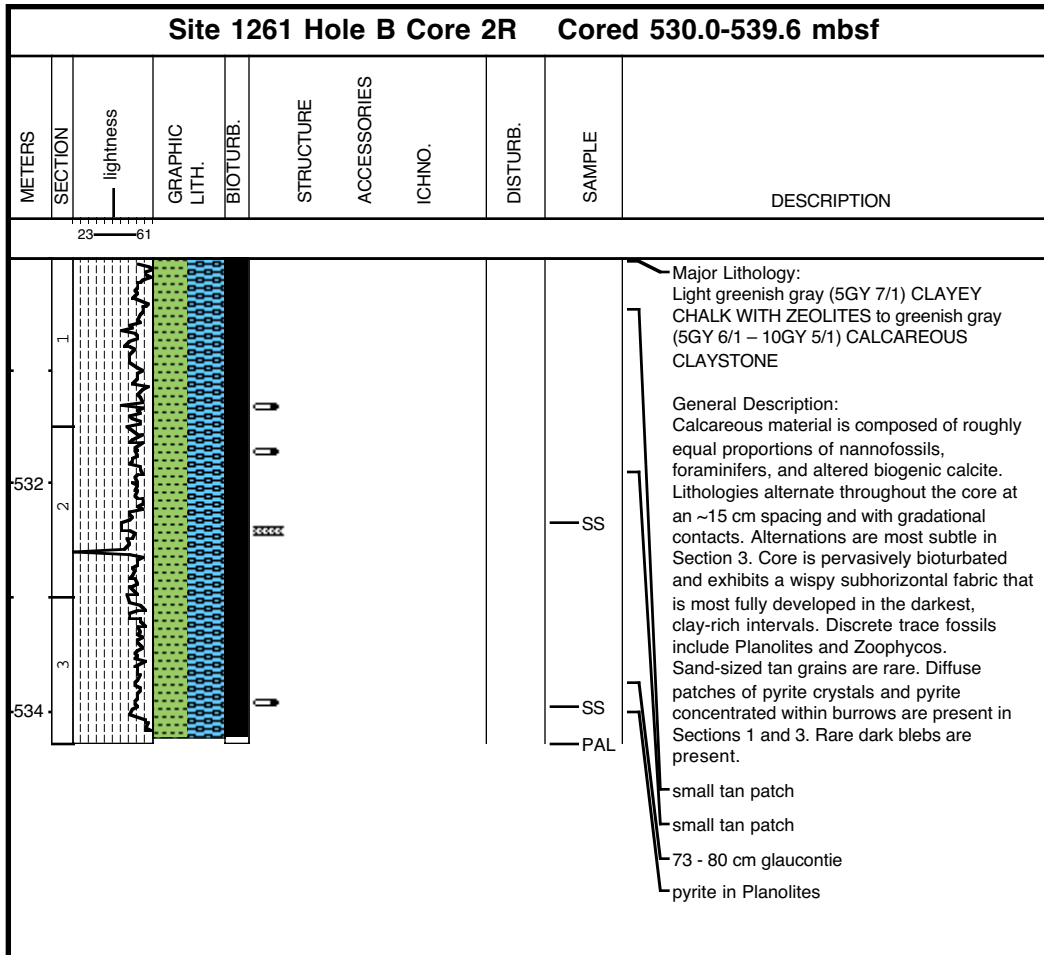


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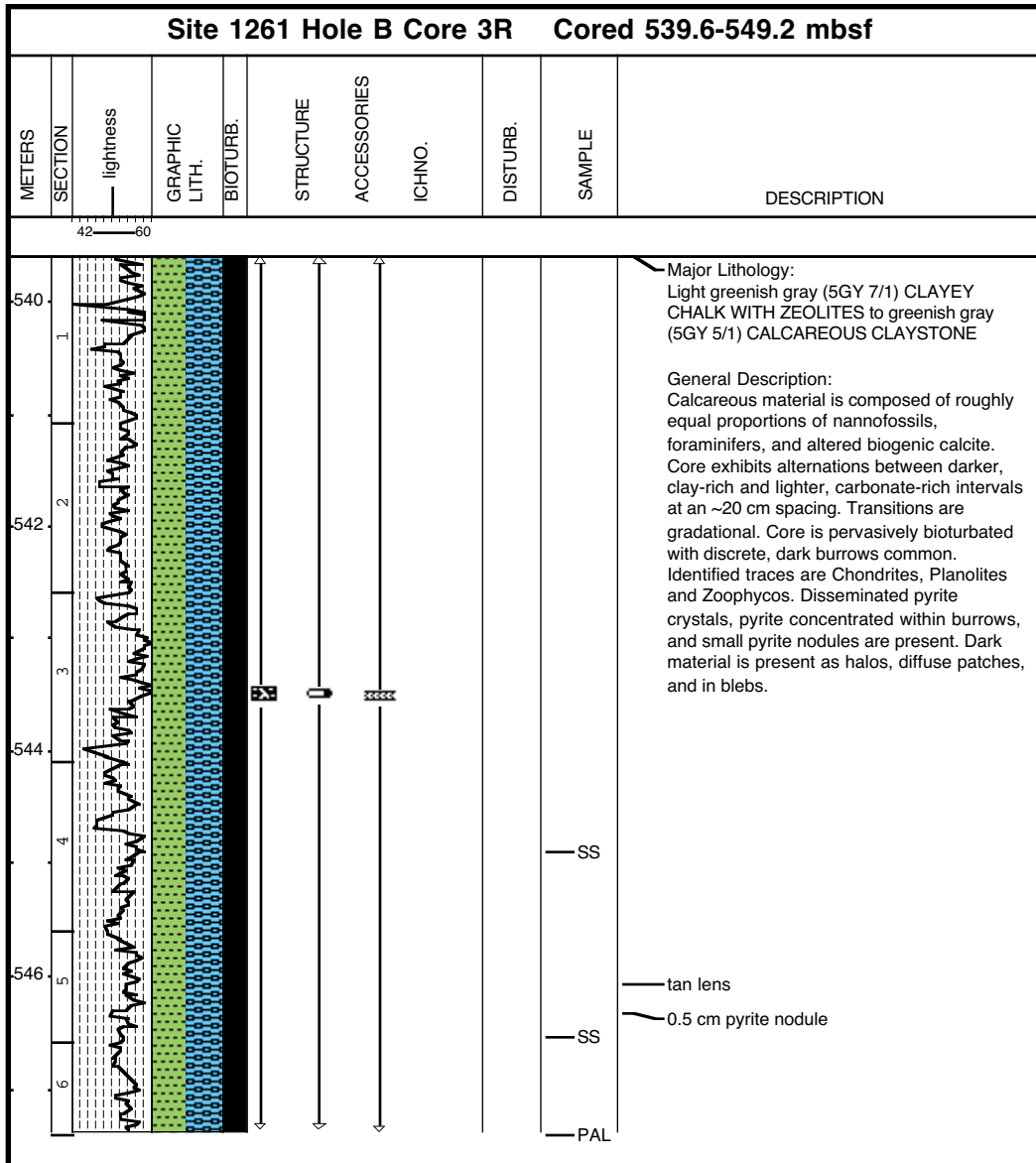
Site 1261 Hole A Core 51R Cored 659.8-669.5 mbsf										
METERS	SECTION	lightness	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	DISTURB.	SAMPLE	DESCRIPTION
660	1									<p>Major Lithology: Gray (N 6/1) QUARTZ SANDSTONE</p> <p>General Description: The core is a gray QUARTZ SANDSTONE that fines downcore. The interval is inhomogenous in color in that it is speckled with white and black specs. The surface is pitted. The core is heavily biscuited.</p>
662	2									

1261B-1R NO RECOVERY

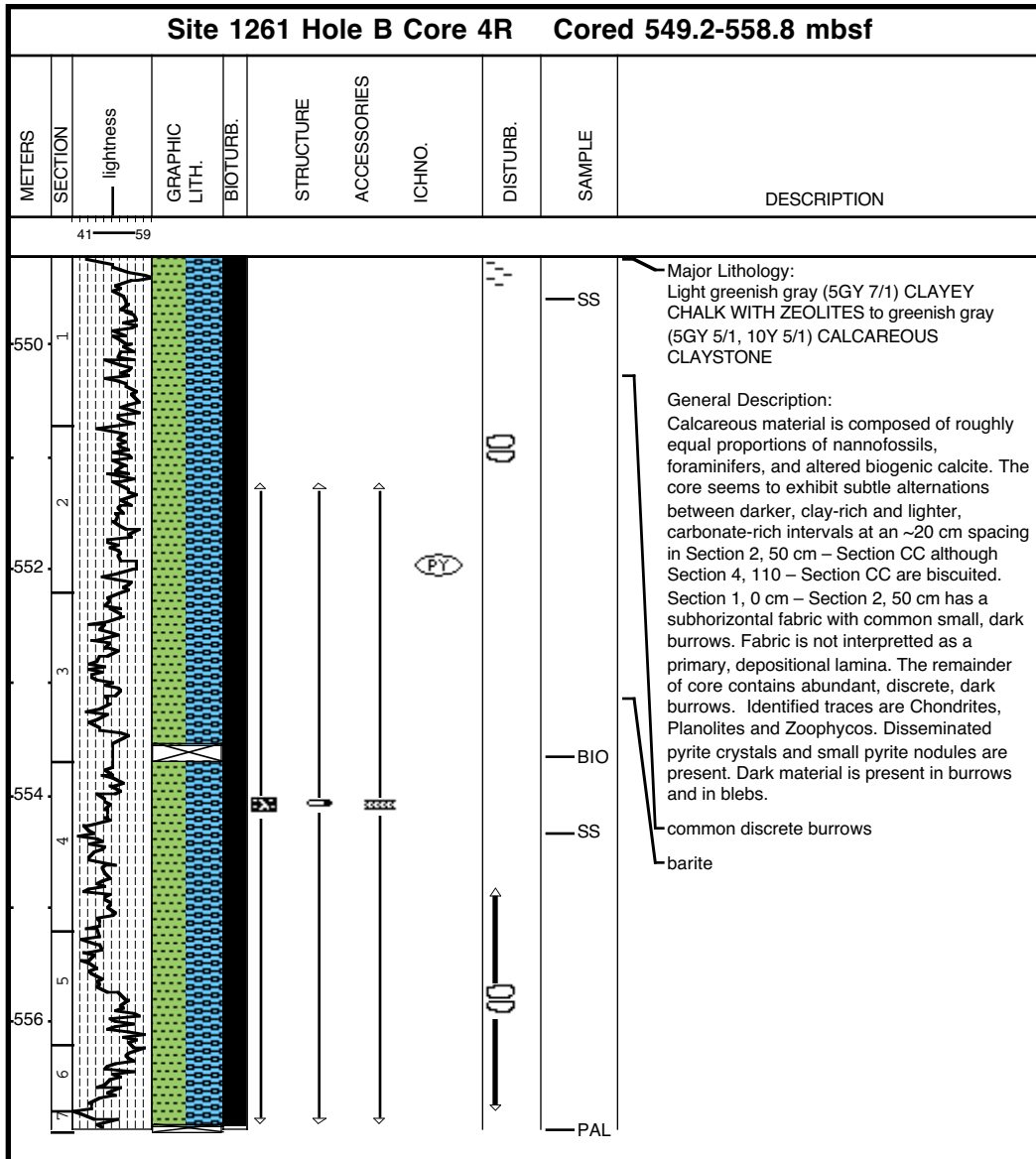
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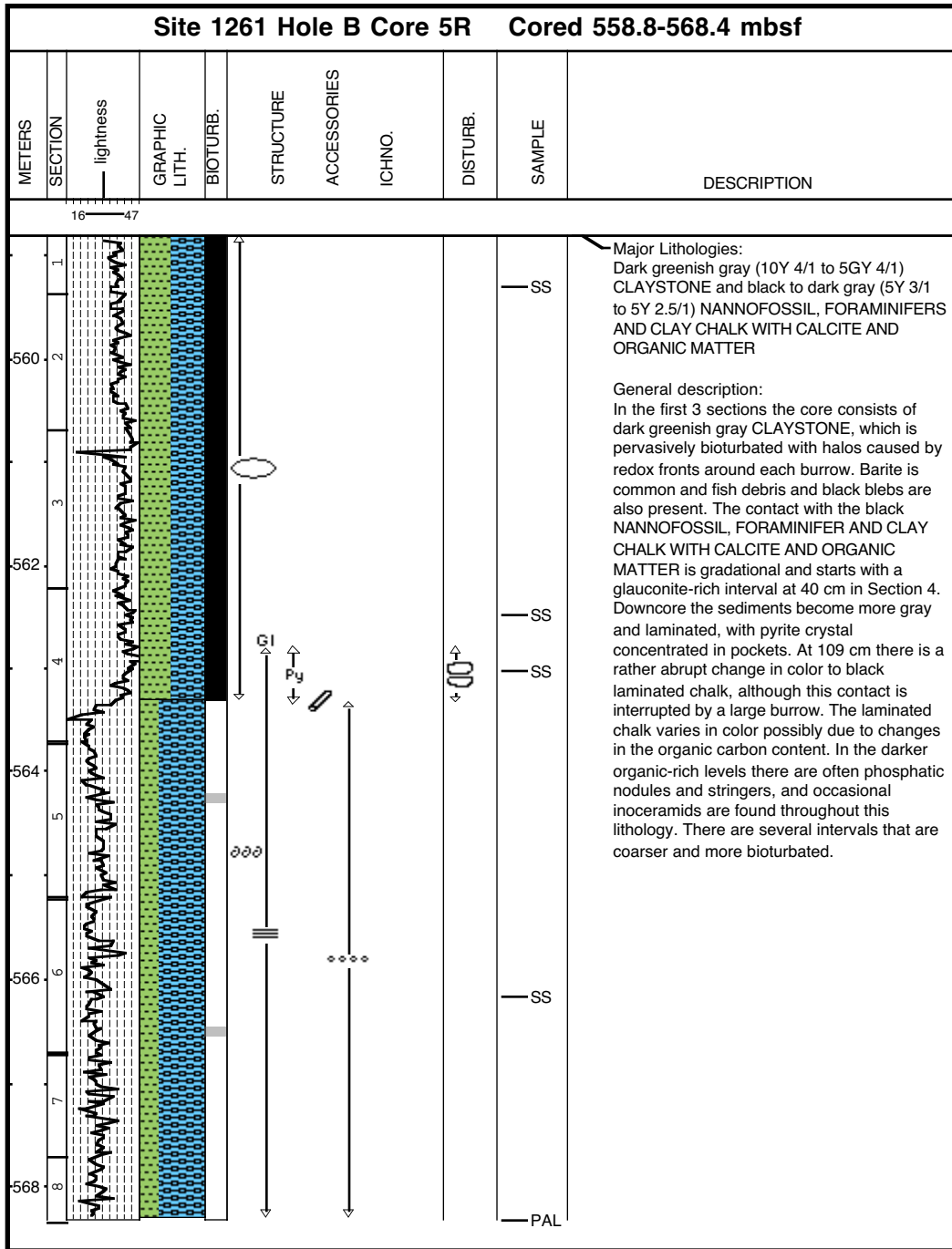
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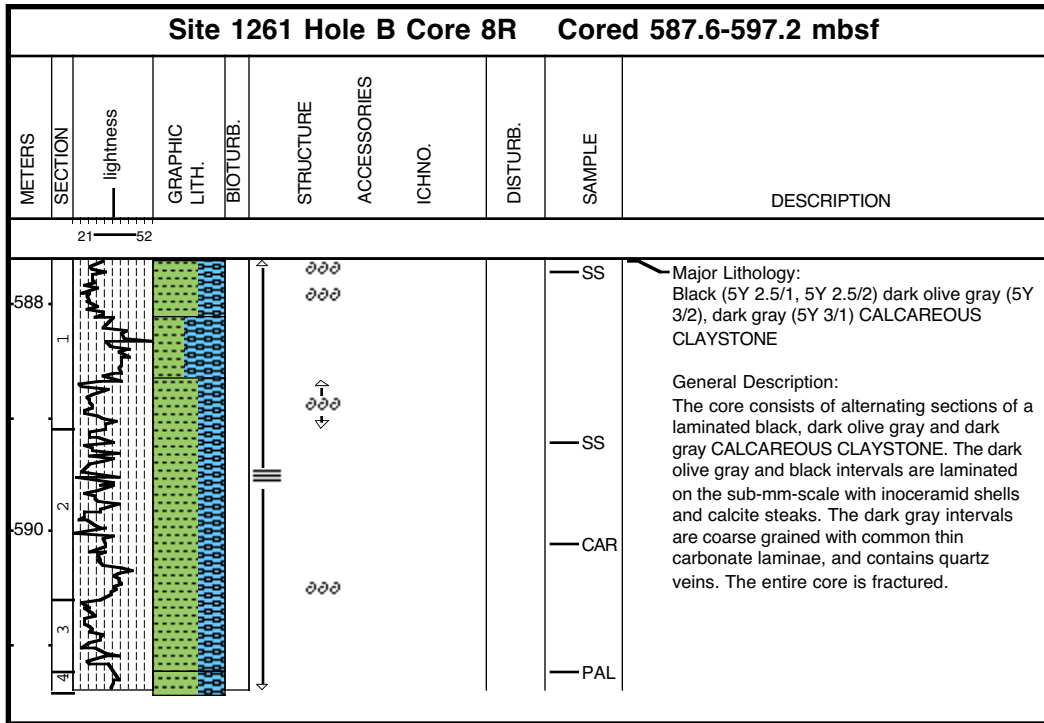
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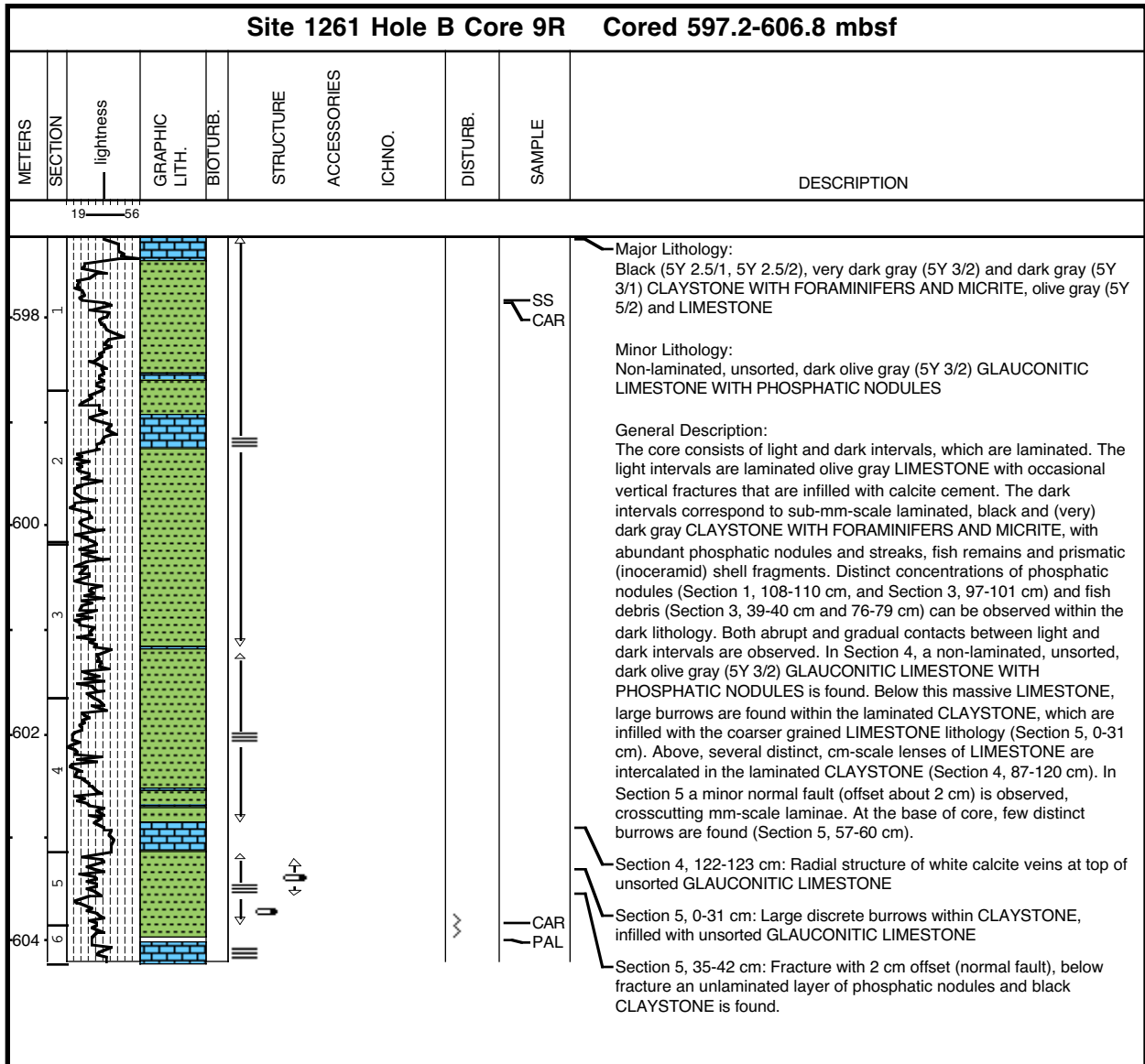
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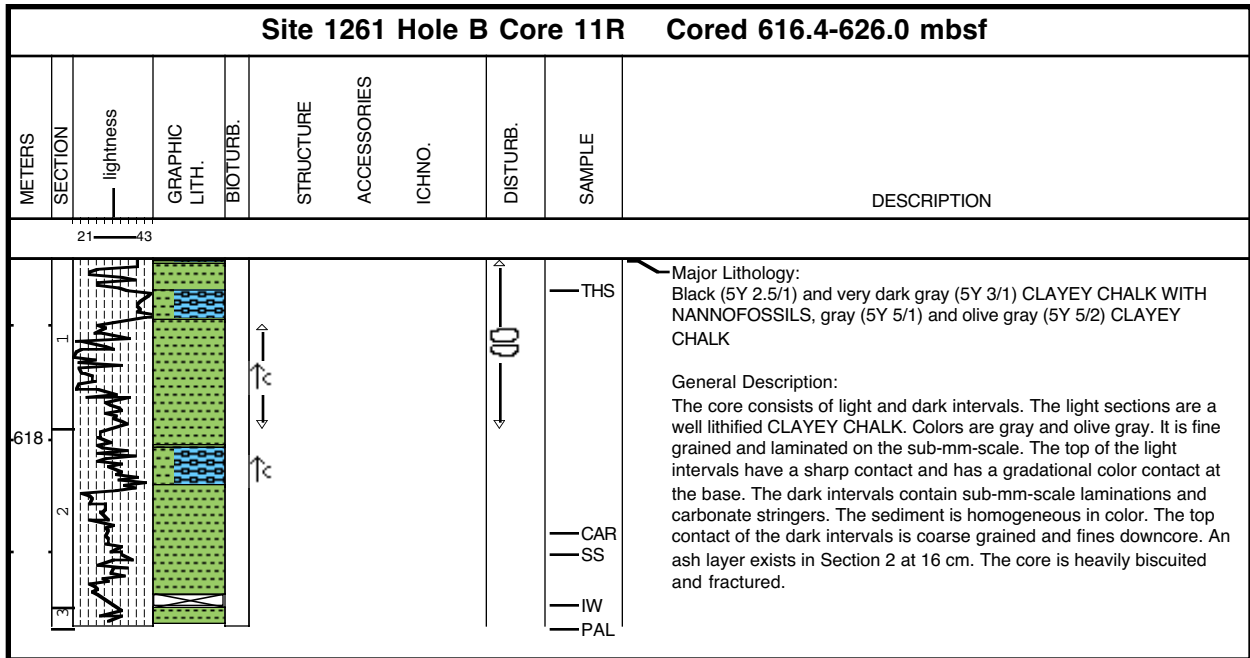
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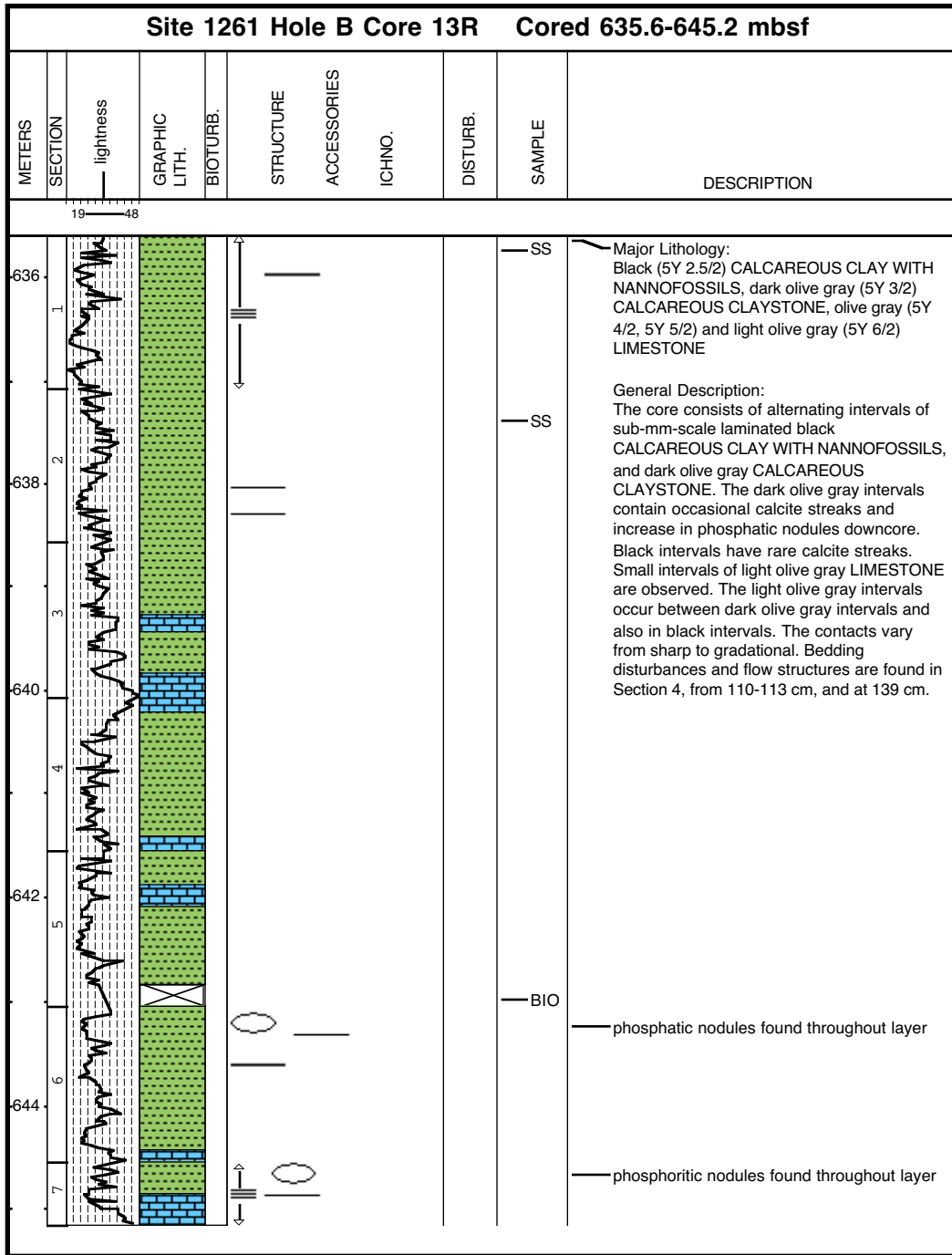
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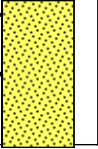
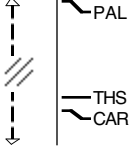
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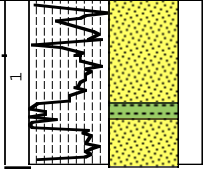
Core Photo



Core Photo

Site 1261 Hole B Core 15R Cored 654.8-664.5 mbsf										
METERS	SECTION	lightness	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	DISTURB.	SAMPLE	DESCRIPTION
33										
52										
656										<p>Major Lithology: Gray (N 5/1) QUARTZ SANDSTONE</p> <p>General Description: The core consists entirely of a gray coarse grained QUARTZ SANDSTONE. The core is fractured throughout.</p>

Core Photo

METERS		Site 1261 Hole B Core 16R Cored 664.5-674.1 mbsf							
SECTION	lightness	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	DISTURB.	SAMPLE	DESCRIPTION
34	57								<p>Major Lithology: Gray (N 5/1) and olive gray (5Y 4/2) QUARTZ SANDSTONE</p> <p>Minor Lithology: Dark gray (5Y 4/1) CLAY WITH OPAQUES AND QUARTZ</p> <p>General Description: The core consists of a coarse grained QUARTZ SANDSTONE alternating between gray and olive gray. A dark gray CLAY WITH OPAQUES AND QUARTZ is located in Section 1, from 105-114 cm. The olive gray QUARTZ SANDSTONE has flow structures and disturbed bedding.</p>
								<p>CAR SS THS</p>	

Sample						Mineral														Biogenic										Rock		Comments		
	Core	CT	Sct	Top (cm)	Depth (mbsf)	Lithology	Accessory minerals (253)	Barite (17)	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Glauconite (82)	Magnetite (110)	Manganese Oxide (124)	Opagues (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Calcspheres (29)	Calpionellids (31)	Dinoflagellate (59)	Fish Remains (74)	Nannofossils (132)	Planktonic Forams (160)	Pollen (162)	Radiolarians (173)	calcareous debris (161)	Micrite (119)	Organic Debris Organic Matter (142)			
Hole A																																		
1	R	1	5	0.05	D				*								*			3					85	12							Nannofossil ooze with foraminifers	
1	R	2	60	2.1	D				1						1		2	1		2					88	4			1				Nannofossil ooze	
3	R	1	68	13.88	D				2						*		2	1		2					90	2			1				Nannofossil ooze	
4	R	3	6	72.26	D				2	40							1	3							50	4							Clayey nannofossil ooze	
5	R	5	100	138.4	D				10	50					1		1	1		*					36	1							Nannofossil ooze with clay	
6	R	3	100	193.1	D				*	65					1		1	1							30	1			1				Nannofossil clay	
6	R	4	51	194.11	M				1	48					1		1	1		*	1				45	2							Nannofossil clay	
6	R	6	111	197.72	M					87					2		1								10								Claystone	
7	R	3	43	240.33	M				2	66		5			5		1							*	15	3					3		Claystone with nannofossils	
7	R	4	34	241.74	D				10	44		*					1								30	10							Nannofossil claystone with foraminifers and calcite	
8	R	3	73	250.23	D				5	54		3			1	2									30								Nannofossil claystone	
8	R	4	113	252.13	D			20	2	28		*			3		1		1						40	3							Nannofossil clay with calcite	
9	R	3	72	259.92	D				8	33		1		5	3										40	5			2				Nannofossil claystone	
10	R	2	129	268.59	M					50		1			2	2			1	2	3		*	30	5				4				Nannofossil claystone	
10	R	3	72	269.52	D				10	52		2					1								30	3							Nannofossil claystone	
10	R	4	49	270.79	M			20			70														10								Dolomite with calcite and nannofossils	
11	R	3	51	278.91	M			20		33						2				2	3		*	30	10								Calcite and nannofossil clay	
11	R	3	118	279.58	D			10		40		*									5		*	35	10									Nannofossil clay with calcite and foraminifers
12	R	2	79	287.39	M					77		1				3	3							2	10	1	3						Clay with nannofossils	
12	R	3	61	288.71	M	2							2					96													*			Volcanic ash
12	R	3	61.5	288.72	M			1		30					2		*	*							65					2				Clayey nannofossil ooze
12	R	4	60	290.2	M					76		2				5	5			1					10	1							Clay with nannofossils	
12	R	4	63	290.23	D			15		38					1				1						30	10					5			Nannofossil clay with foraminifers and calcite
14	R	2	135	307.25	D			2		47					1										45	3			2				Clayey nannofossil ooze	
15	R	4	30	318.8	D			7		30					1			*							60	2							Clayey nannofossil ooze	
16	R	3	100	327.6	D			5		15						*	*								70	10							Nannofossil ooze with clay	
16	R	5	61	330.21	M			5		20						10									45	20							Calcareous ooze with clay	
17	R	6	55	341.35	D			2		35						1	*			*					57	5							Clayey nannofossil ooze	
18	R	5	70	349.6	D	*				30					*		1			1					63	5							Clayey nannofossil ooze	
20	R	2	102	364.62	D			3		10					*					1		1			78	7							Nannofossil chalk	
21	R	2	88	374.16	M			5		27						2				5	10		1	1	30	15					5			Clay and nannofossil chalk with calcspheres
22	R	2	47	383.37	D			45		16	2									1					10	10			15				Limestone with nannofossils, foraminifers, and clay	
22	R	2	56	383.46	D			30		30						1			1	3					20	10			5				Clay limestone with foraminifers and nannofossils	
23	R	5	134	398.44	D			10		30						2			10	3					30	10					5			Nannofossil clay chalk with zeolite, calcite, and foraminifers

Sample				Mineral																	Biogenic										Rock		Comments					
Core	CT	Set	Top (cm)	Depth (mbsf)	Lithology	Accessory minerals (253)	Barite (17)	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Glauconite (82)	Magnetite (110)	Manganese Oxide (124)	Opagues (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Calcspheres (29)	Calpionellids (31)	Dinoflagellate (59)	Fish Remains (74)	Nannofossils (132)	Planktonic Forams (160)	Pollen (162)	Radiolarians (173)	calcareous debris (161)	Micrite (119)	Organic Debris Organic Matter (142)								
Hole A (continued)																																						
23	R	6	124	399.84	D			10	20	20						2			1	2					20	25									Nannofossil and foraminifer chalk with clay			
24	R	3	30	403.7	M			25	10	23									2	5					20	10			5						Nannofossil chalk with foraminifer and clay			
25	R	2	136	413	M			10		28						3			5	8			1	30	10			5							Clay and nannofossil limestone with foraminifers			
26	R	2	52	421.77	M			20		40									15					5	10			10							Nannofossil and clay chalk with foraminifers and zeolite			
26	R	4	65	424.65	D			30	15	21										2				15	15			2							Nannofossil limestone with foraminifers and clay			
27	R	2	74	431.74	D			30		10						2			15	8			*	10	20		*	5							Nannofossil chalk with clay, zeolite, and foraminifers			
28	R	5	51	444.71	D			35		27						2			1					10	15			10								Clay and nannofossil limestone with foraminifers		
28	R	8	29	448.52	M			48		25						2			15				*	5	5											Clayey chalk		
29	R	3	128	452.98	D			20	10	26		*				5			10	8			1	10	10											Nannofossil and clay with calcite, foraminifers, and zeolite		
30	R	1	19	458.49	D			47			1				*		*		5	4					3			10	30							Chalk		
32	R	3	108	481.28	D			50	2								*		7	2				2	7			30								Chalk		
33	R	4	25	490.67	D			20		10						*			6					15	5			15	29							Chalk		
33	R	4	122	491.64	M					89						*			11																	Clay with zeolite		
34	R	2	42	498.42	D			10	2										3					64	5			5	10							Nannofossil chalk		
35	R	2	80	508.4	D			15		15						*			2	1				47	5			15								Nannofossil chalk with clay		
36	R	2	50	517.7	D			20		5									5	1				14	10			40	5							Chalk with nannofossils		
37	R	3	60	528.9	D			15		10	1				1				3	1				15	5			29	20							Chalk		
39	R	3	75	548.35	D			15		26					*				3	*				10				26	20							Clayey chalk		
40	R	3	40	557.56	D			10	5	63							1		1					10	10												Claystone with foraminifers and nannofossils	
40	R	3	68	557.84	D		1	5	5	46													*	10	10			5								Claystone with foraminifers, nannofossils, and zeolite		
40	R	5	30	560.46	D				5	75						3	3	3						1	5	2			3								Claystone	
41	R	1	30	564.1	M				10	35		1				3	3	3						5	25	15											Nannofossil claystone with foraminifers	
41	R	2	39	565.69	M			1		75						5		2		5				5	2										5		Claystone	
41	R	2	83	566.13	D			3	5	37						2	3								25	20										5		Nannofossil claystone with foraminifers
41	R	3	129	568.09	D			10	40	37						1	1							1	10												Clay limestone with foraminifers	
42	R	1	5	573.45	D				5	19		5				3	3	2		2				8	30	15									8		Nannofossil chalk with foraminifers and clay	
42	R	3	76	577.03	D			5	30	13						2	2	2		3					10	30										3		Calcareous and nannofossil chalk with clay
42	R	5	56	579.83	M				2	61						20	10	5						1	1												Claystone with pyrite	
43	R	1	75	583.75	M				10	46							1	1		1				3	20	15										3		Nannofossil claystone with calcite and foraminifers
44	R	1	33	592.93	D				5	20							10	1		1				5	30	25		*							3		Foraminifer and nannofossil chalk with pyrite and clay	

Sample				Mineral													Biogenic										Rock		Comments						
Core	CT	Set	Top (cm)	Depth (mbsf)	Lithology	Accessory minerals (253)	Barite (17)	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Glauconite (82)	Magnetite (110)	Manganese Oxide (124)	Opagues (140)	Pyrite (169)	Quartz (172)	Volcanic Glass (81)	Zeolite (222)	Calcspheres (29)	Calpionellids (31)	Dinoflagellate (59)	Fish Remains (74)	Nannofossils (132)	Planktonic Forams (160)	Pollen (162)	Radiolarians (173)	calcareous debris (161)		Micrite (119)	Organic Debris Organic Matter (142)				
Hole A (continued)																																			
44	R	3	34	595.7	D			15	60	16	5					1									1	2									Limestone with clay
44	R	4	4	596.88	D				10	40					10	1		1						5	10	15		*				8		Claystone with pyrite, calcite, nannofossils, and foraminifers	
46	R	3	73	615.4	D				3	53								1						3	15	20							5		Claystone with nannofossils and foraminifers
47	R	5	107	628.24	D				2	75					2	3		5						2	5	1							5		Claystone
48	R	5	5	637	M					72					25		2												1						Altered ash claystone with opaque minerals
48	R	5	50	637.45	D			30		46					5			2							10	*						7		Calcareous claystone	
48	R	6	55	639	D			30	8	41					2			4					1	5	2							7		Calcareous claystone	
49	R	1	5	640.65	D			25	5	38					1	*		3							18	5						5		Clayey chalk	
49	R	5	126	647.84	D			31	15	32					2	*		2							5	10						3		Clayey chalk	
50	R	3	17	653.37	D			20	10	33					1										15	10						11		Clayey chalk with organic matter	

Sample						Mineral										Biogenic				Rock			Comments		
	Core	CT	Sct	Top (cm)	Depth (mbsf)	Lithology	Accessory minerals (253)	Calcite (30)	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Glauconite (82)	Opauques (140)	Pyrite (169)	Quartz (172)	Zeolite (222)	Fish Remains (74)	Nannofossils (132)	Planktonic Forams (160)	calcareous debris (161)	Micrite (119)	Organic Debris Organic Matter (142)		Siliceous Fragments (184)	
Hole B																									
2	R	2	81	532.31	D			10	57				1	3	3	3	15	5	3					Claystone with calcite and nannofossils	
2	R	3	93	533.93	D			20	36				2	2	10	*	20	10						Clay chalk with foraminifers, zeolite, calcite, and nannofossils	
3	R	4	77	544.87	D		15	10	39	5			1				20	10						Calcareous and clay chalk with foraminifers and nannofossils	
3	R	5	93	546.53	D			10	56					1	10		10	10	3					Claystone with zeolite calcite foraminifer sand nannofossils	
4	R	1	37	549.57	D			30	26				1	2	5	1	20	15						Clay and calcite chalk with foraminifers and nannofossils	
4	R	4	60	554.30	D			20	54		*		2	3	5		15					1		Calcareous claystone with foraminifers	
5	R	2	50	559.88	D			5	88				3			1	3							Claystone	
5	R	4	26	562.47	M			3	67				2	5	1	2	20							Claystone with nannofossils	
5	R	4	79	563.00	M		5	3	32				15		2	3	30	10						Nannofossil and clay chalk with foraminifers and pyrite	
5	R	6	94	566.15	D		5	10	28					2	5		25	25						Nannofossil foraminifer and clay chalk with calcite	
6	R	3	138	572.78	D		5		25			2			5		15	12		25	11			Clayey chalk with organic matter, foraminifers, and nannofossils	
6	R	7	24	577.44	D		10	15	20	*		1		*			10	12		30	2			Chalk with clay, foraminifers, and nannofossils	
7	R	2	138	580.86	M	1			78			20		1										Clay with opaque minerals (looks like an ash layer)	
7	R	4	52	583.00	D		10		40						3		22	10		10	5			Clayey chalk	
8	R	2	10	589.20	D		10	2	50						*	3	5	10	20		20			Calcareous claystone	
9	R	1	66	597.86	D		5		50			2		*	3	5	15	12	8	12	8			Claystone with foraminifers and micrite	
10	R	2	89	609.19	D		4		35			3			5	8	12	25	8	25	8			Calcareous claystone with foraminifers	
11	R	2	109	618.99	D		5	2	29			2		*	2	12	8	35	5	35	5			Clayey chalk with nannofossils	
12	R	1	117	627.17	D		5		50			3		*	2	5	12	15	8	15	8			Calcareous chalk with foraminifers	
12	R	2	106	628.51	D		35	2	10			*				2	1	50						Limestone foraminifer wackestone	
13	R	1	13	635.73	D	1	3		40			4		1	1	15	2	*	25	8				Calcareous clay with nannofossils	
13	R	2	29.5	637.40	D		10	2	41			1		1		10	15	3	15	2				Calcareous claystone	
14	R	1	53	645.73	D		5		33			1			5	15	5	8	20	8				Calcareous claystone with nannofossils	
16	R	1	102	665.52	M		5		71		*	11		11		1		1							Clay with opaques and quartz

Sample							Mineral														Biogenic											Rock											Lithology	Comments
Cor	CT	Sct	Top (cm)	Bot (cm)	Depth (mbsf)	Thin Section Number	Lithology	Calcite	Clay	Calcite	Glauconite	Accessory Minerals	Opaque Minerals	Quartz	Phosphorite	Zircon	Other	Fish Remains	Nannofossils	Foraminifers	Planktonic Foraminifers	Benthic Foraminifers	Calcareous Shell Fragments	Shell Fragments	Organic Debris	Microfossils	Matrix	Bioclast	Micrite	Sparite	Carbonate Grains	Cement	Organic Matter	Clasts	Lithic Fragments	Other								
Hole A																																												
18	R	CC	11	15	351.71	110		40										2	5		35	2																1	100	Clayey chalk-conglomerate	Sediment is conglomerate with abundant pebbles (but not many pebble contacts). Foraminifers include pebbles. Fish remains plus phosphorite and collophane.			
50	R	3	35	38	653.55	111	D						40															27											100	Quartzose calcareous sandstone	Quartz are subangular to subrounded with grain contacts. Bioclasts are oriented parallel bedding. 30% of cement is very coarse calcite crystals and 3% early diagenetic calcite.			
50	R	3	75	78	653.95	112	D						47	*	*													5						46	1	1		100	Quartz arenite with calcite cement	Quartz are angular to subrounded. Larger grains are oriented parallel bedding (mainly shell fragments). Clasts are lithic fragments.				
Hole B																																												
7	R	1	38	40	578.38	113	M	38	7	7		3		42						*																				100	Calcareous phosphorite	Phosphoritic/glauconitic black shale in the process of being replaced by calcite. Approximately 10% original black shale preserved. Secondary diagenetic calcite. Glauconite is concentrated in some areas. Two big pebbles of phosphate (total area).		
7	R	1	48	51	578.48	114	D	20		*		2						2			30														44	2			100	Foraminifer wackestone	Big foraminifers filled with blocky calcite are scattered throughout. Fish remains include phosphate. Diagenetic microspar.			
7	R	3	109	113	115	115	D	25	3			1						2			25														34		10		100	Foraminifer wackestone	This thin section is from more clay- and organic matter-rich part. Foraminifers are filled with matrix. Blocky calcite from collapsed foraminifers. Micrite matrix.			

Sample		Mineral															Biogenic										Rock										Lithology	Comments		
Cor	CT	Sct	Top (cm)	Bot (cm)	Depth (mbsf)	Thin Section Number	Lithology	Calcite	Clay	Calcite	Glauconite	Accessory Minerals	Opaque Minerals	Quartz	Phosphorite	Zircon	Other	Fish Remains	Nannofossils	Foraminifers	Planktonic Foraminifers	Benthic Foraminifers	Calcareous Shell Fragments	Shell Fragments	Organic Debris	Microfossils	Matrix	Bioclast	Micrite	Sparite	Carbonate Grains	Cement	Organic Matter	Clasts	Lithic Fragments	Other				
Hole B (continued)																																								
7	R	5	100	102	584.98	116	D	25	30			2						*			10			*	*													100	Foraminifer wackestone	Fabric is disturbed by calcite recrystallization. Micrite is in patches and background matrix. Microspar-size diagenetic calcite. Trace of Inoceramus shell fragments.
11	R	1	26	30	616.66	117	D	30				2						2			22								40				4				100	Clayey chalk with foraminifer wackestone	Micrites are background micrite to microsparite. Foraminifers are recrystallized.	
12	R	4	85	88	631.3	118		41							25													10	12			12			*	100	Phosphoritic claystone with foraminifers and organic matter	One large phosphate nodule with big fish fragments in typical black shale. Layers with fish debris. One long Inoceramus shell. Fish remains are mainly counted as phosphorite. Foraminifers are counted as sparite.		
14	R	CC	2	3	650.36	119	D				*	46															5		1	44	2	2			100	Quartz arenite with calcite cement	Quartz is angular to subrounded. Cement is large drusy calcite. Clasts are lithic fragments.			
15	R	1	87	89	655.67	120	D	3			*	3	50				2										2			40			*	*	100	Quartz arenite with calcite cement	Quartz is angular to subrounded, grain contacts are rare. Other mineral: unknown very dark, but not opaque, mineral-Fe-oxide coating(?). Thin section also includes echinoid fragments and other shell material.			
16	R	1	108	109	665.58	121	M	10	3			2	30					*						1			1	54						*				Quartz wacke	Quartz grains are not well sorted and angular; few grain contacts. Large calcite crystals (replacement). Micrites are micritic to microsparitic matrix.	