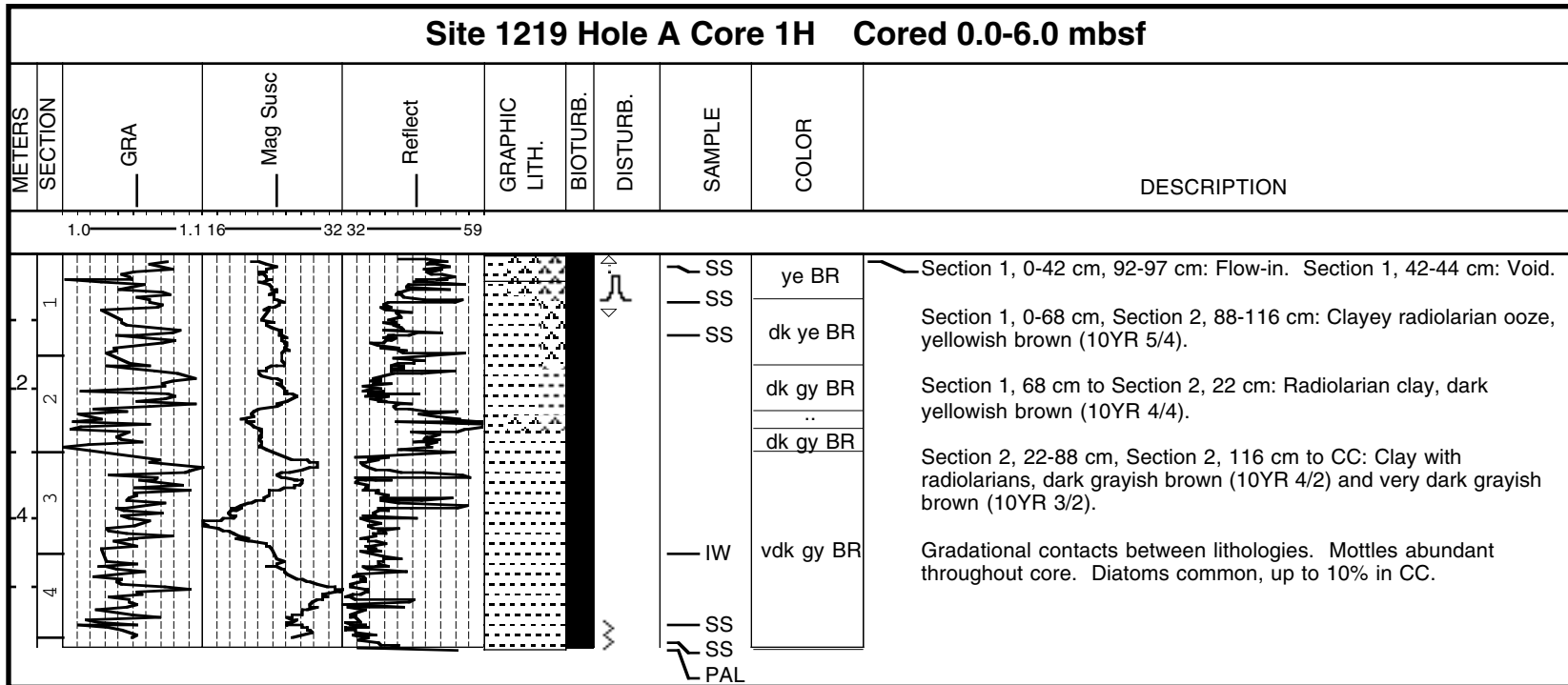
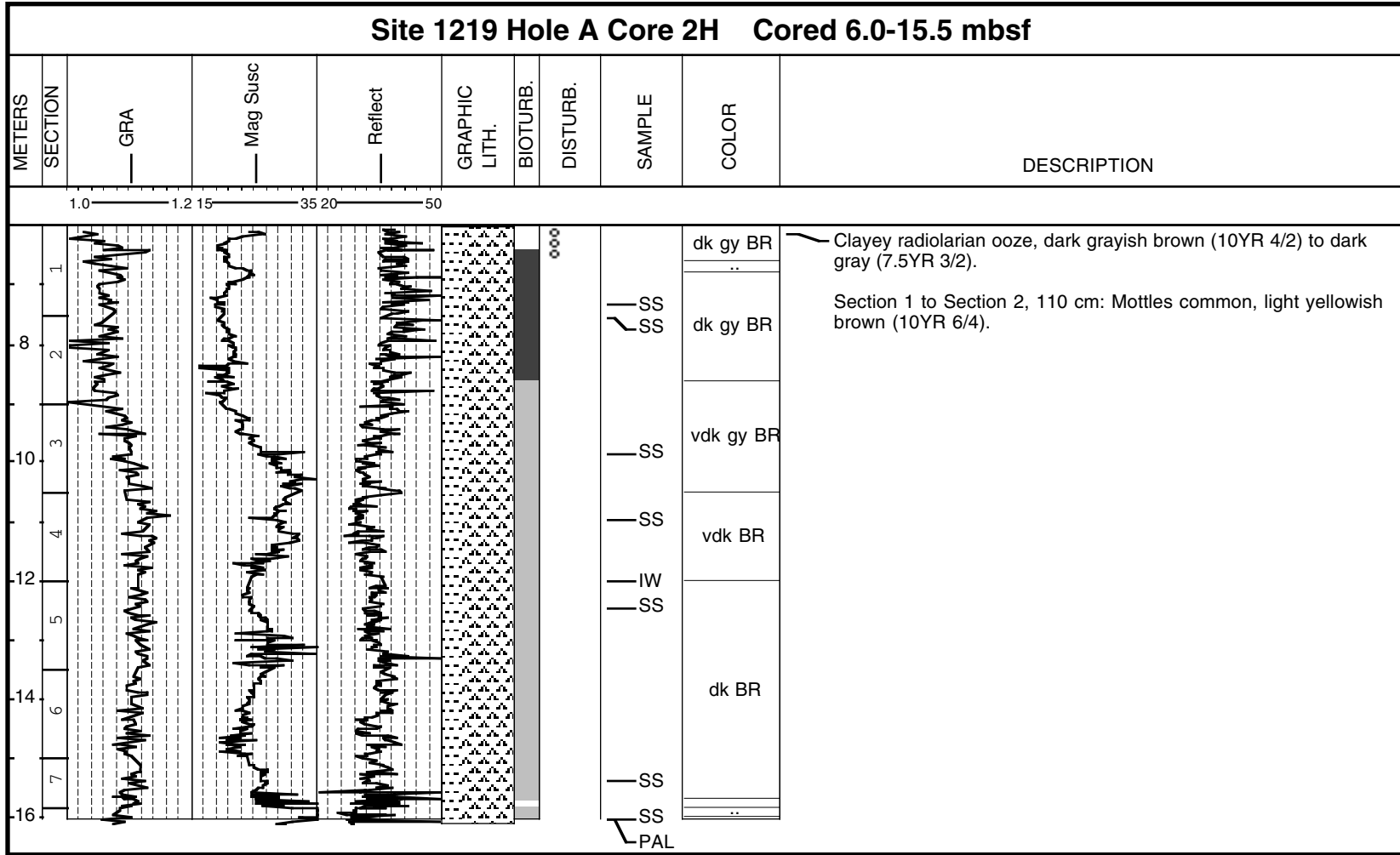


Core Photo

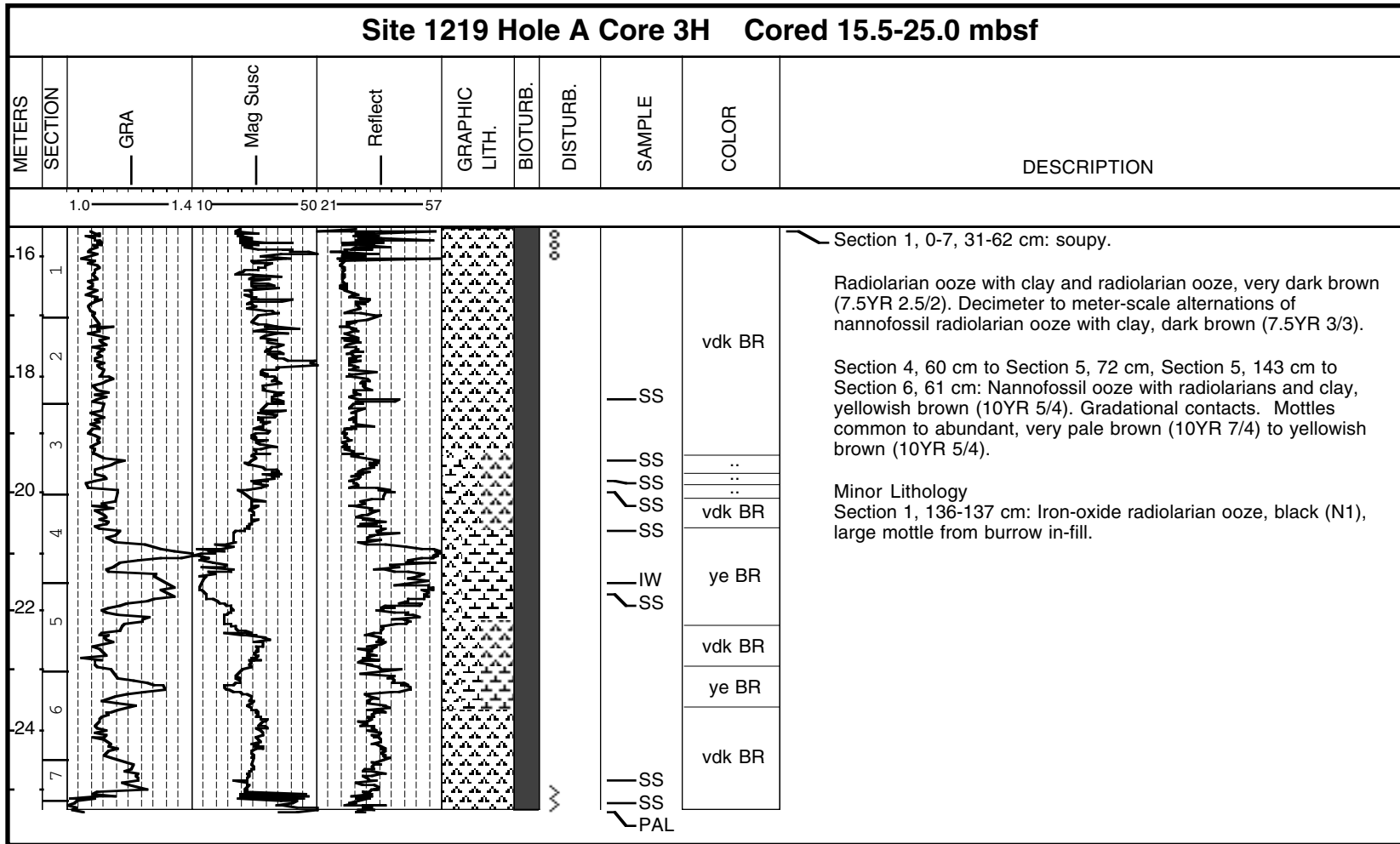


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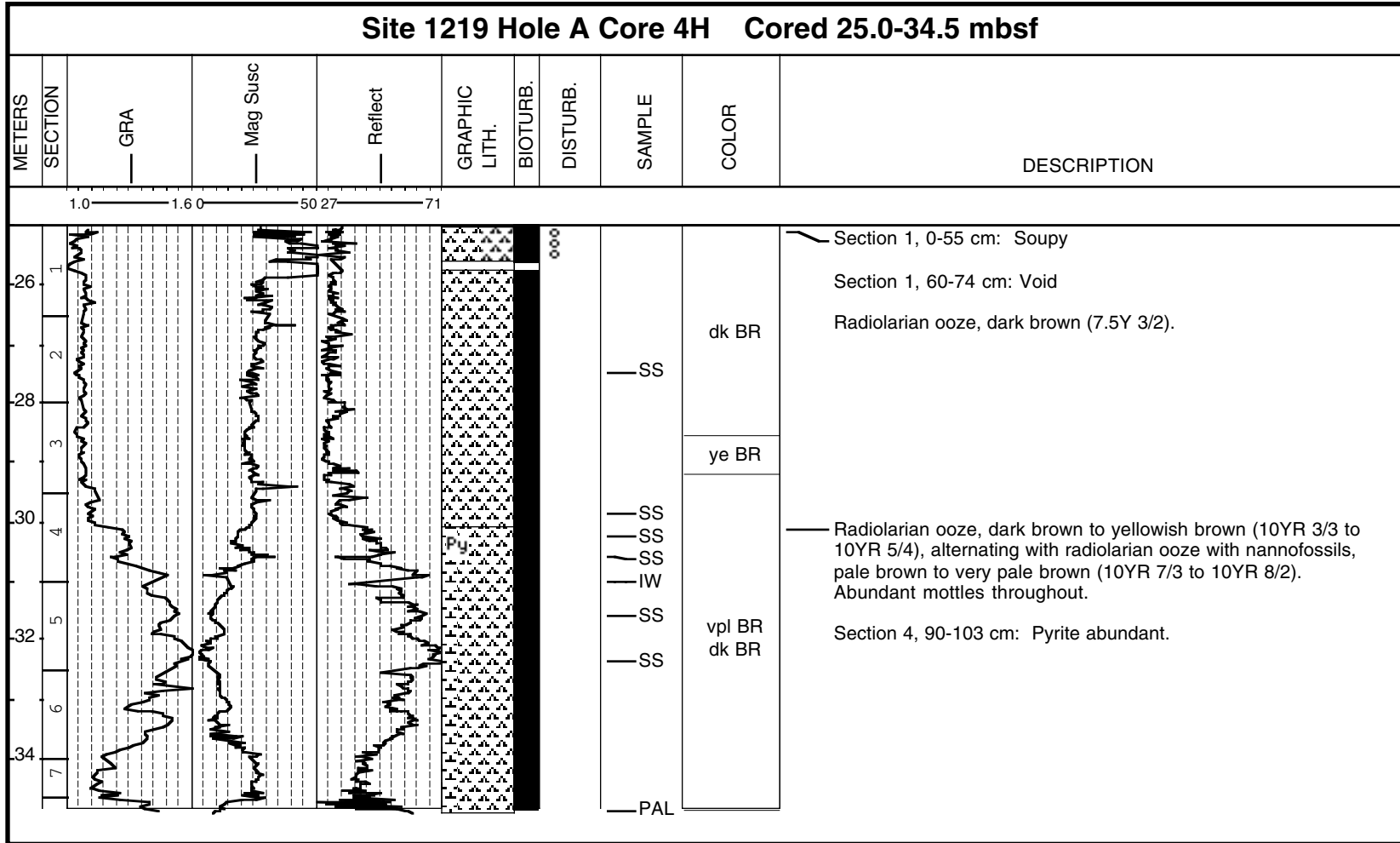


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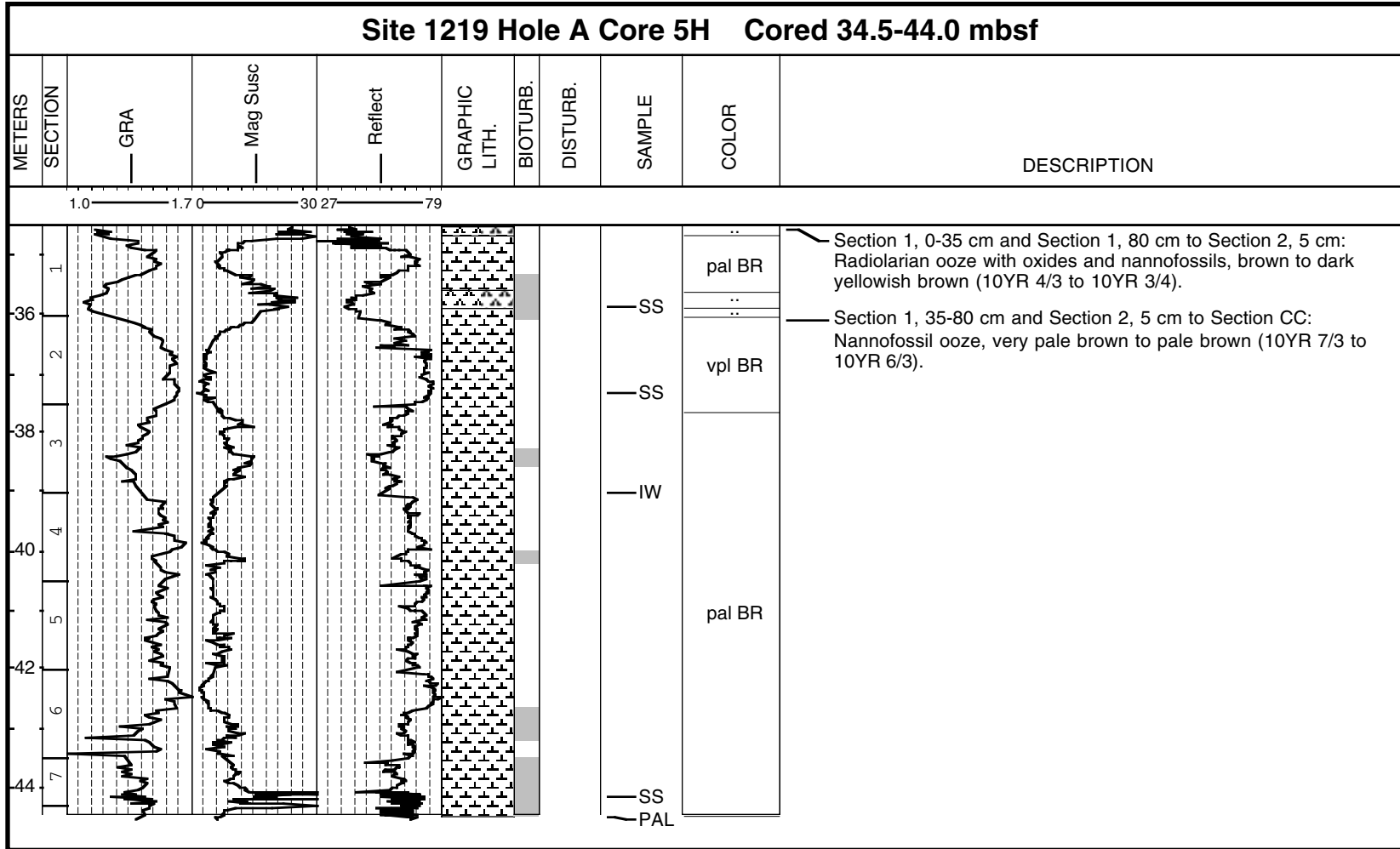
Site 1219 Hole A Core 3H Cored 15.5-25.0 mbsf



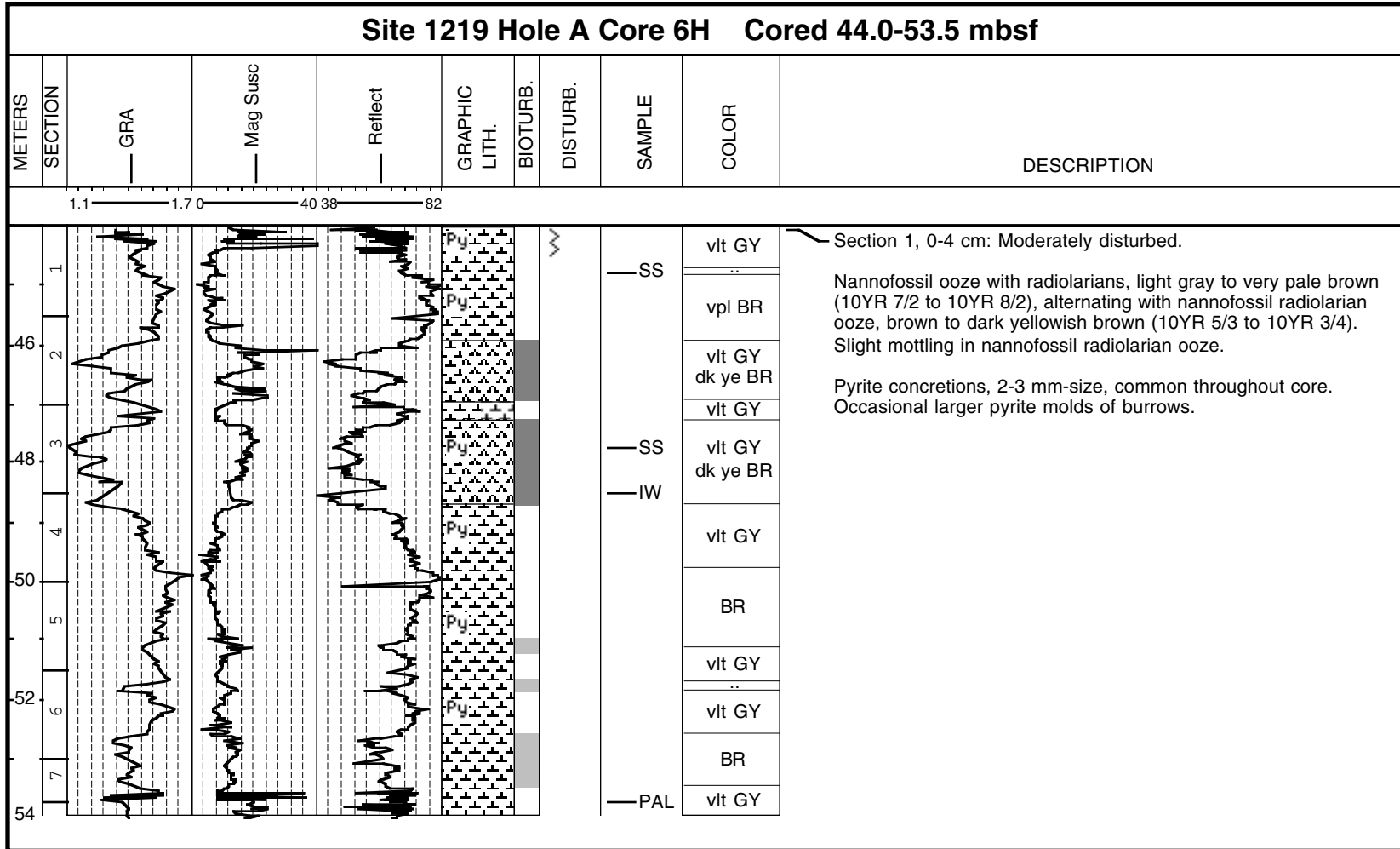
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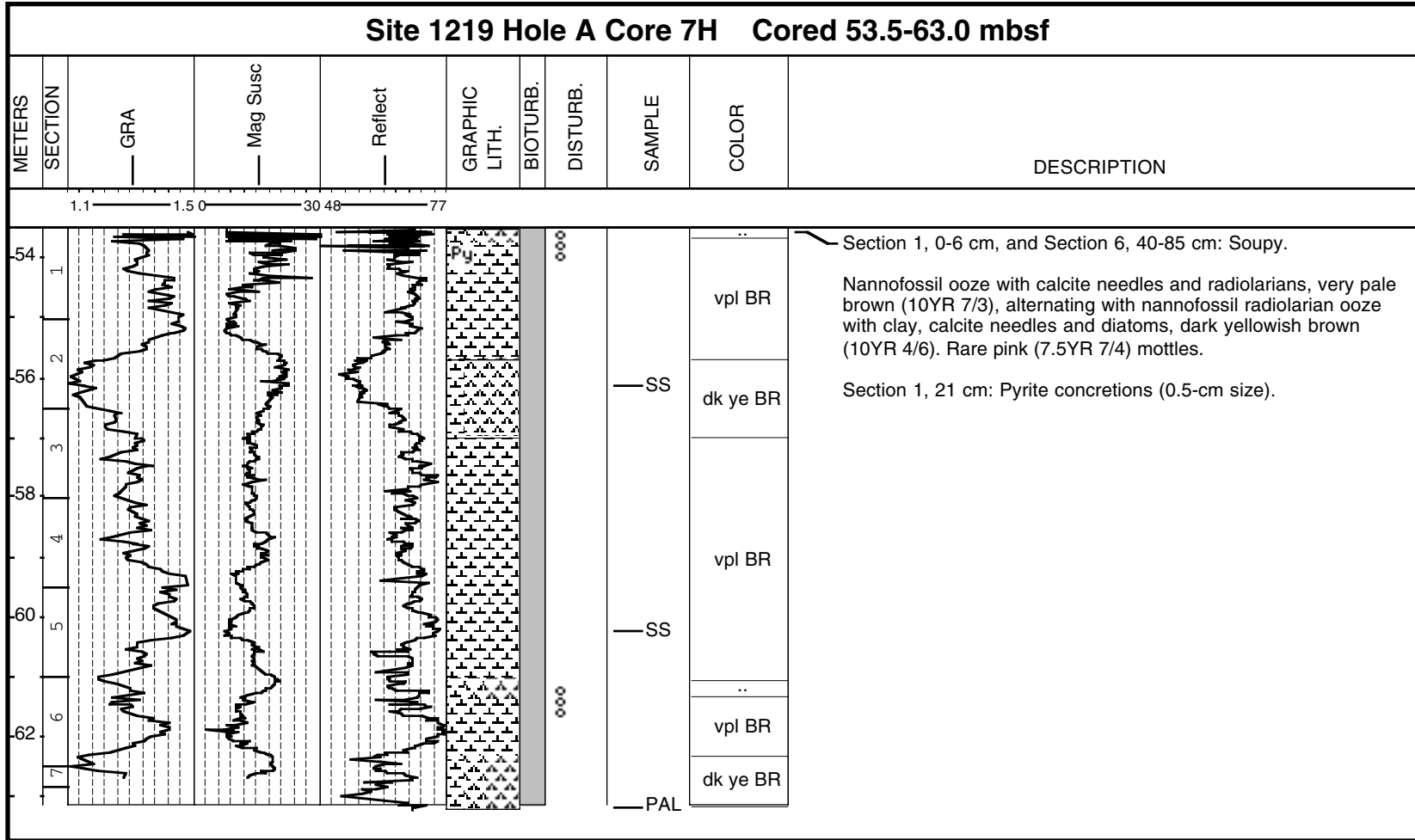
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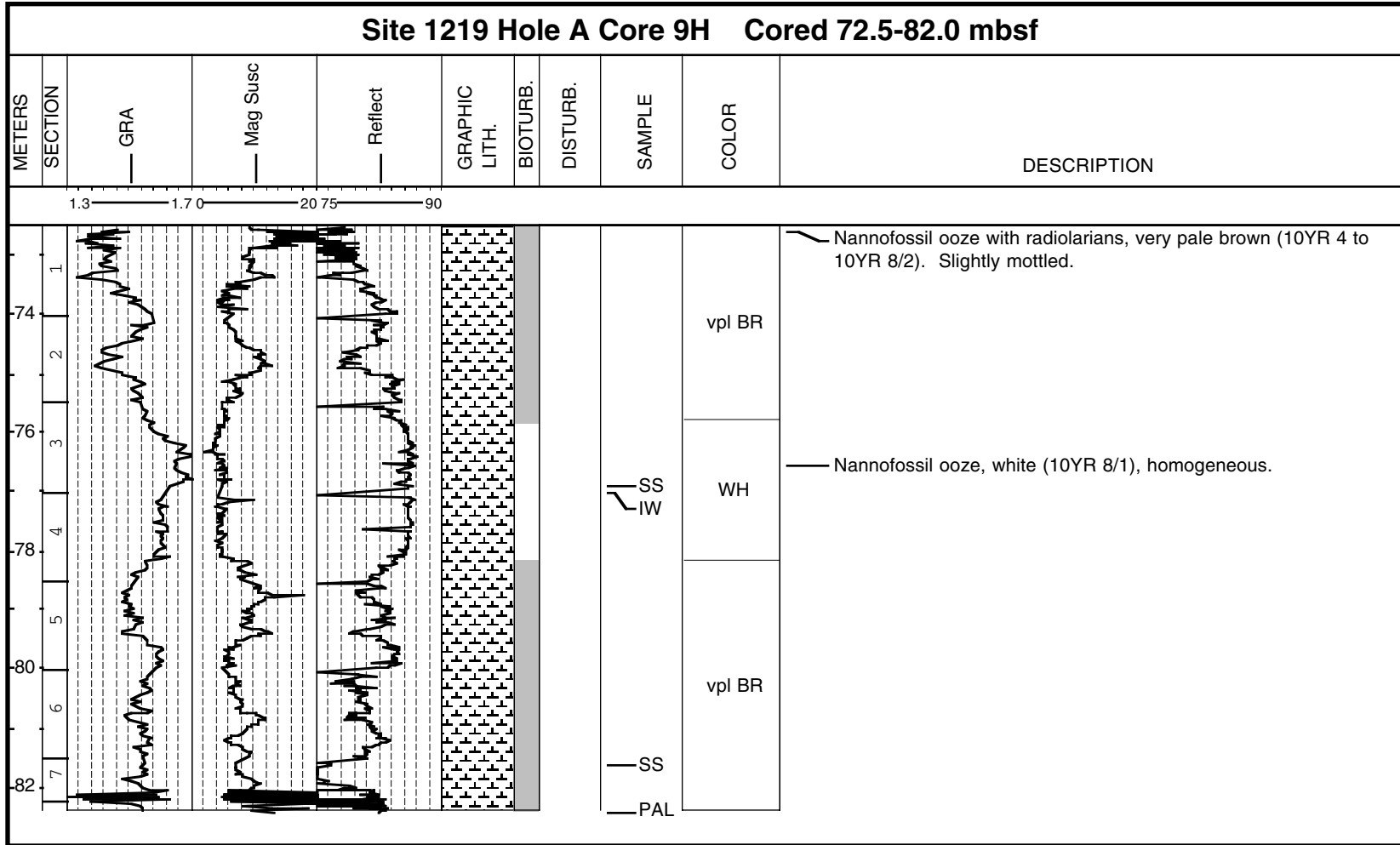
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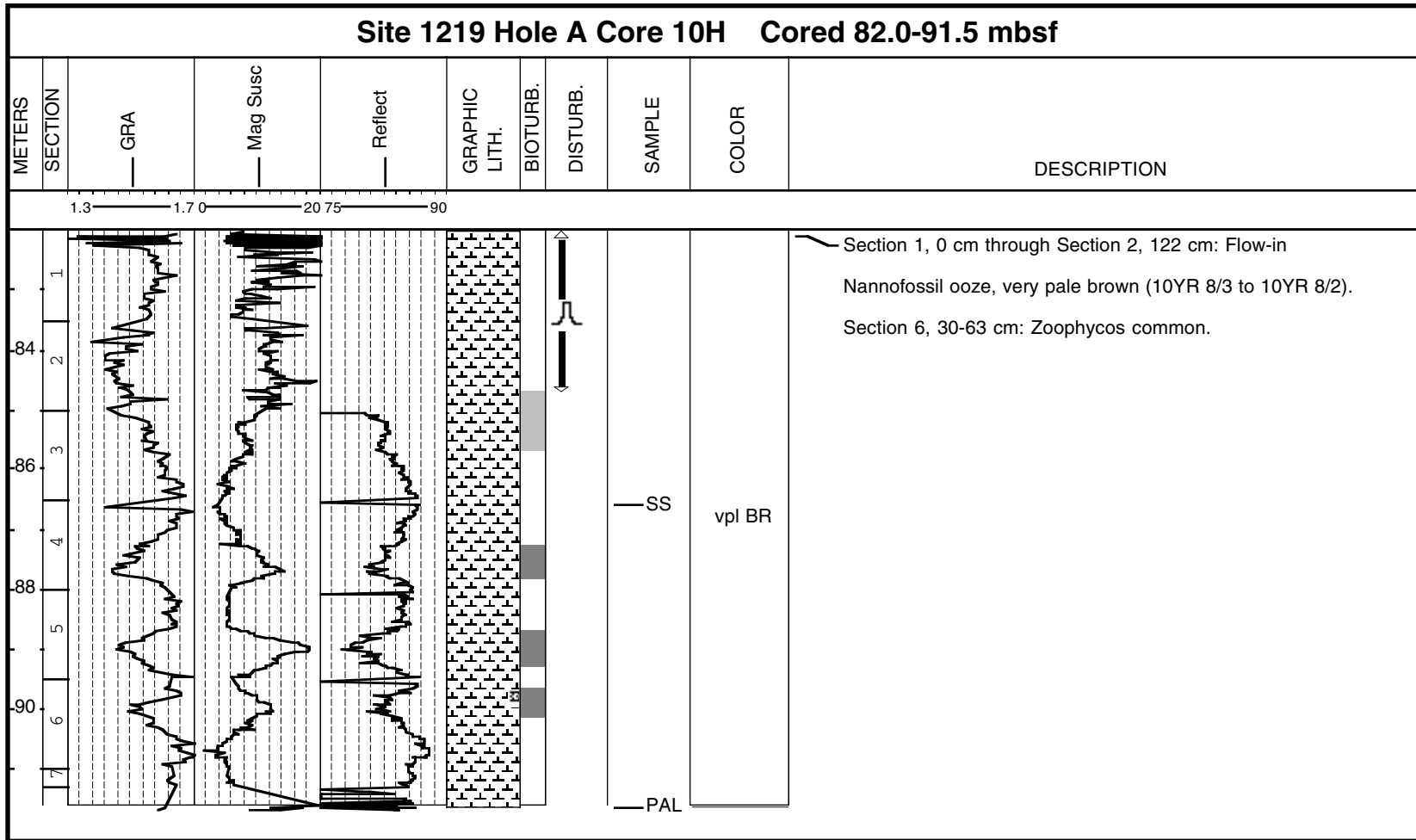
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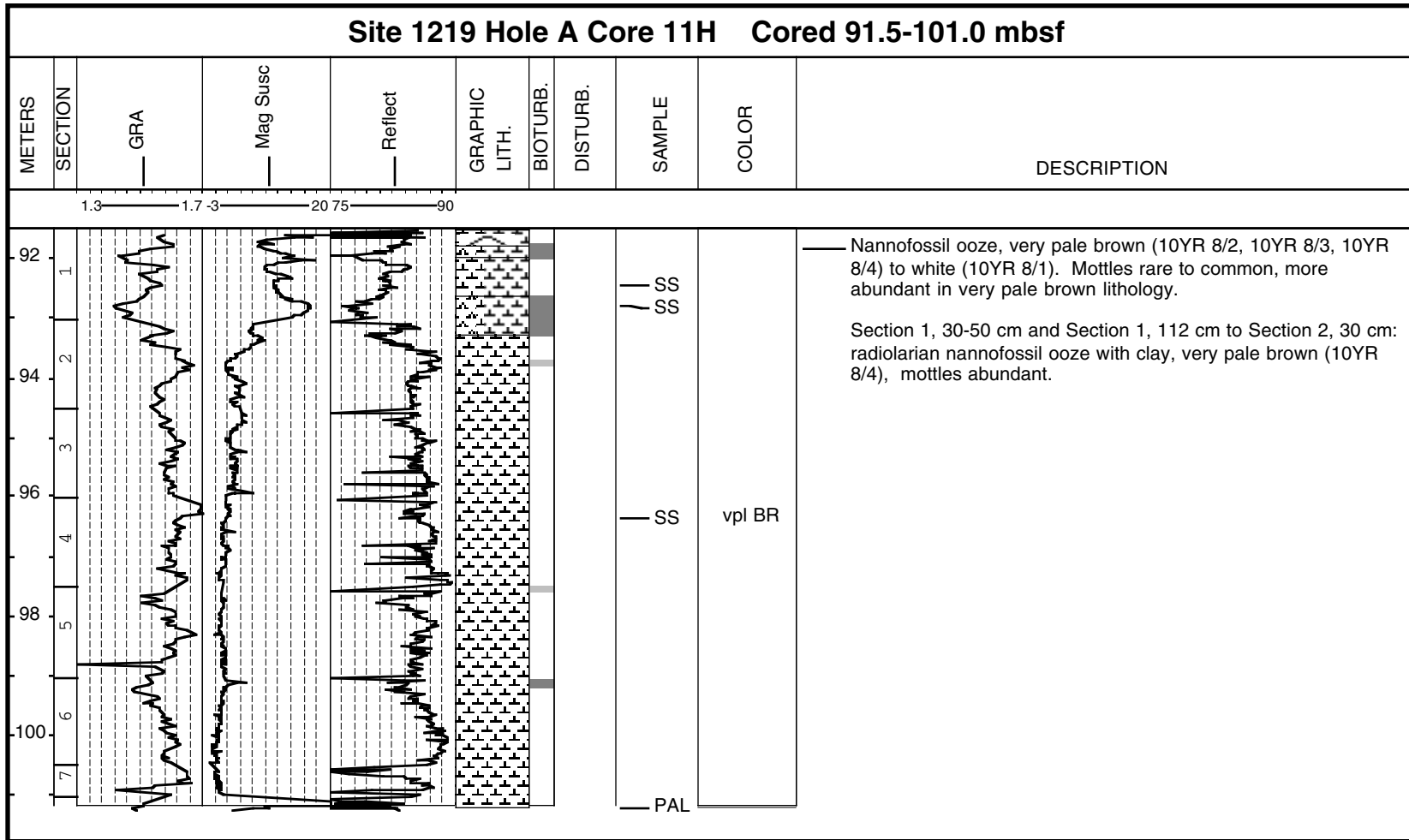
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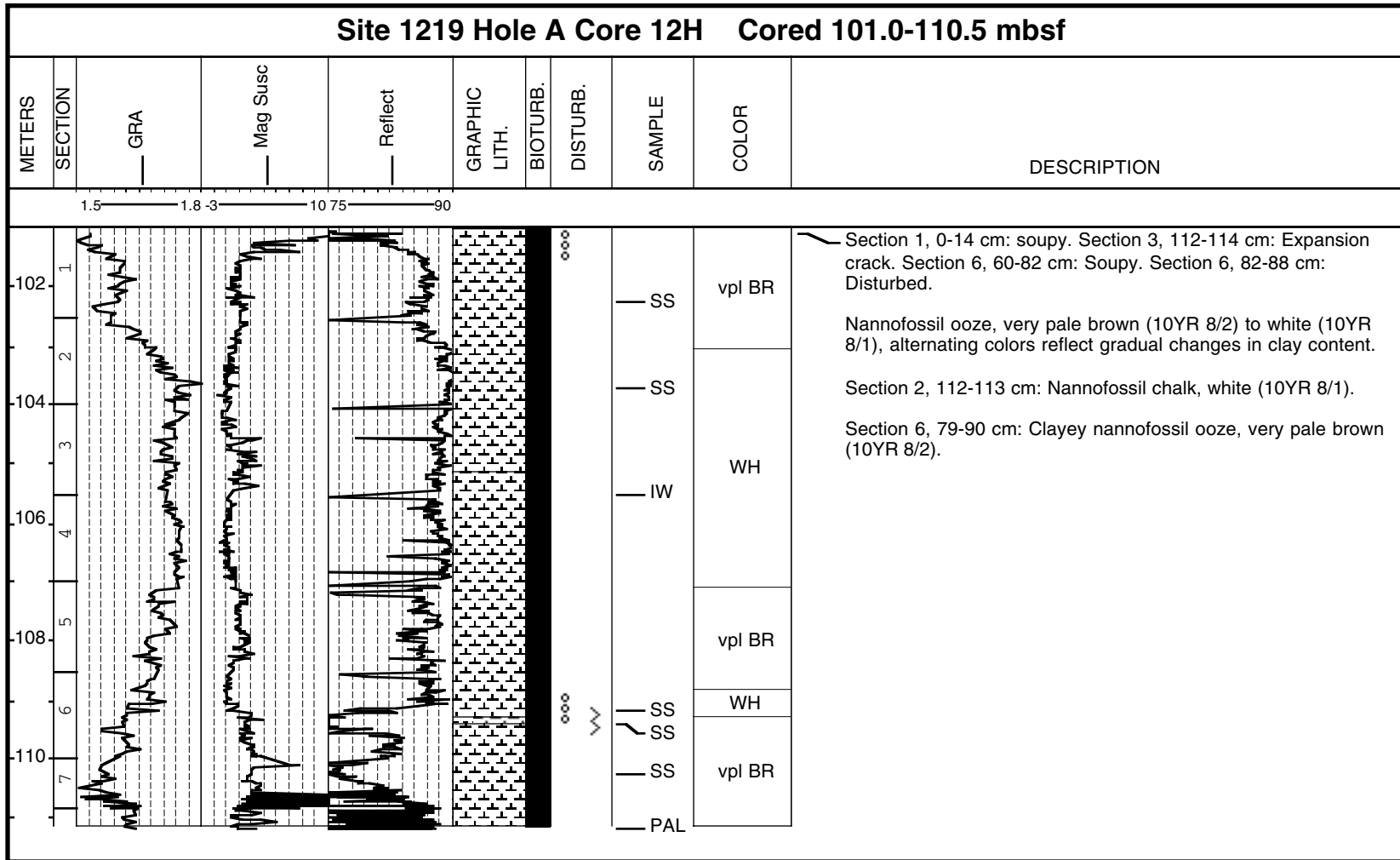
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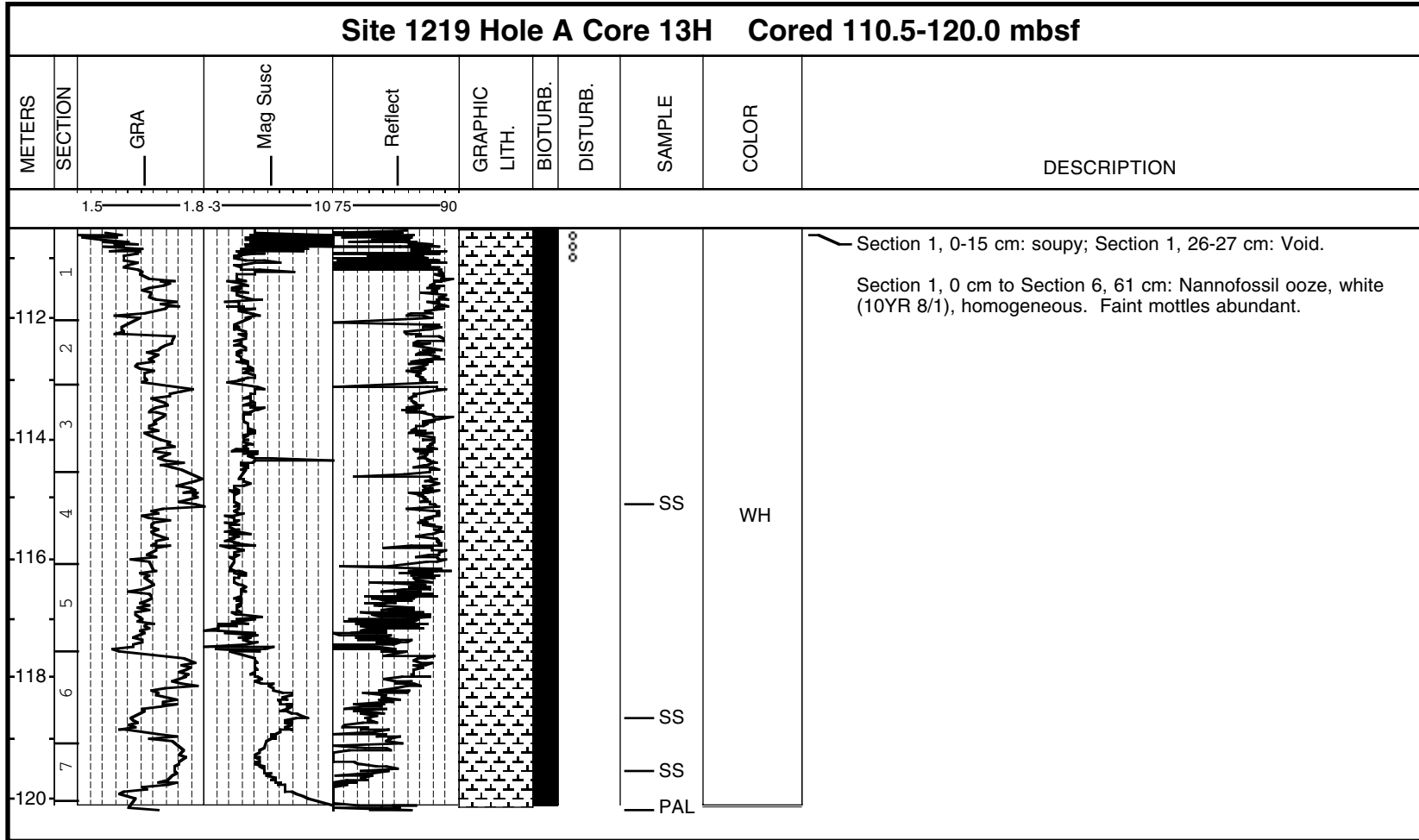
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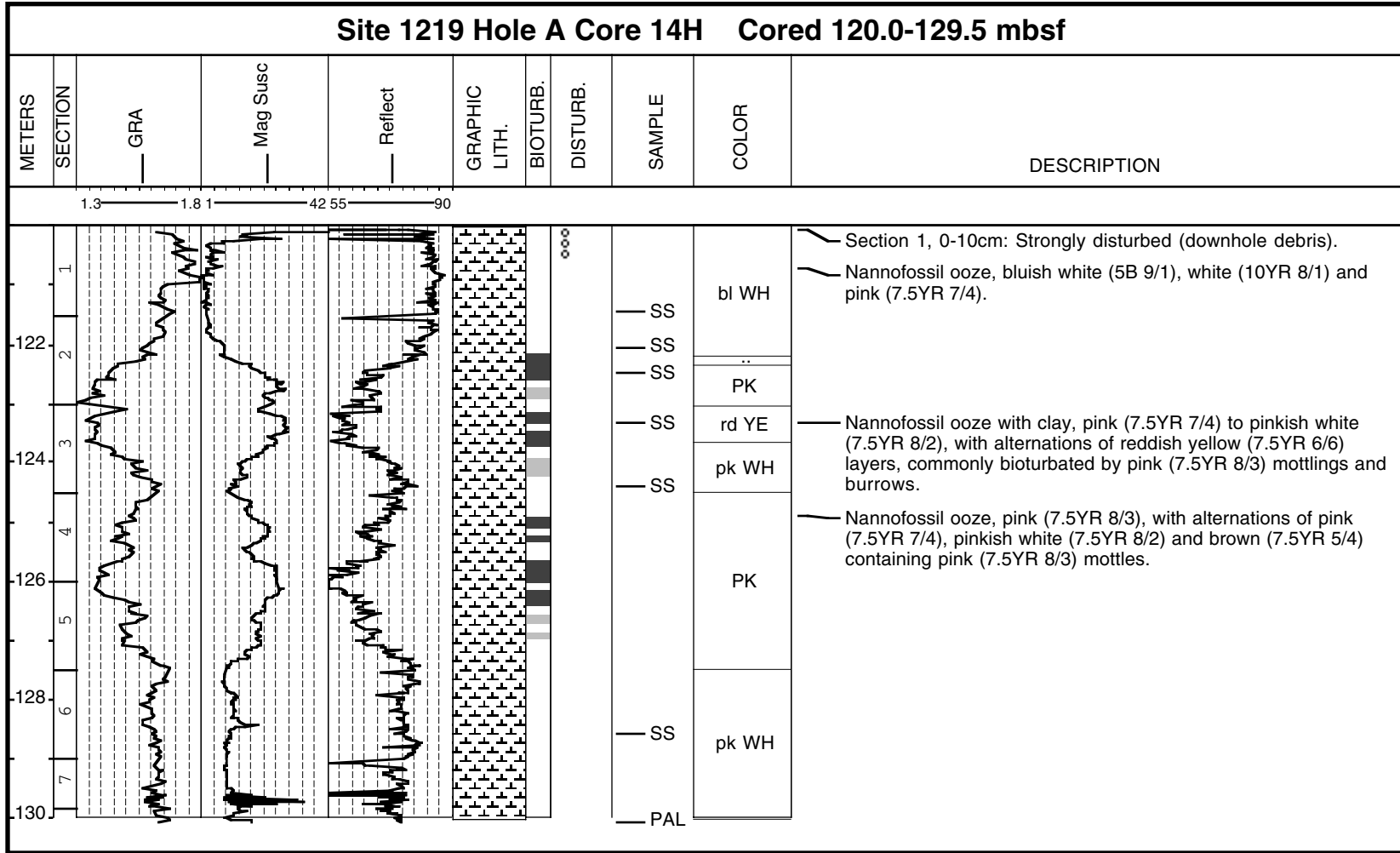
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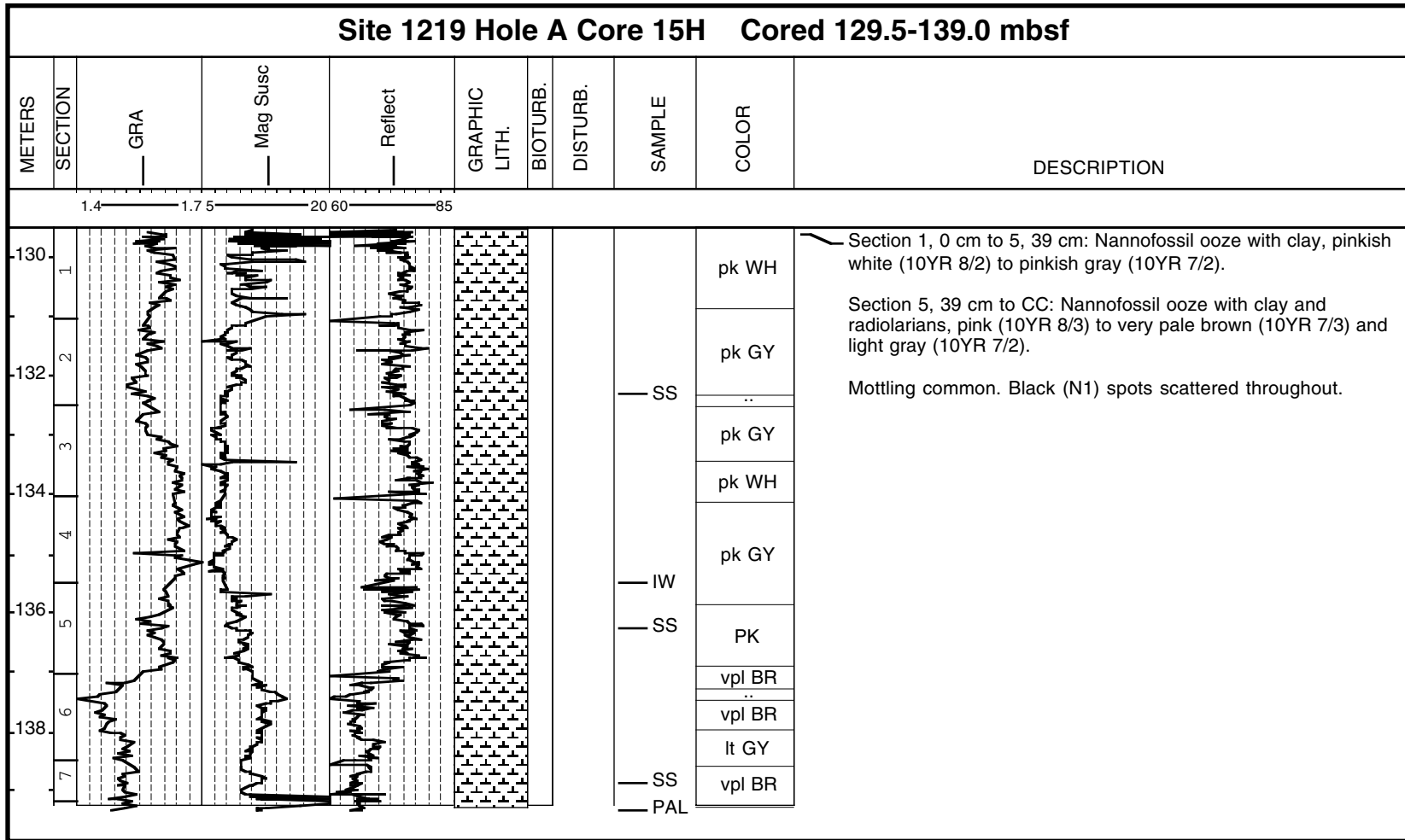
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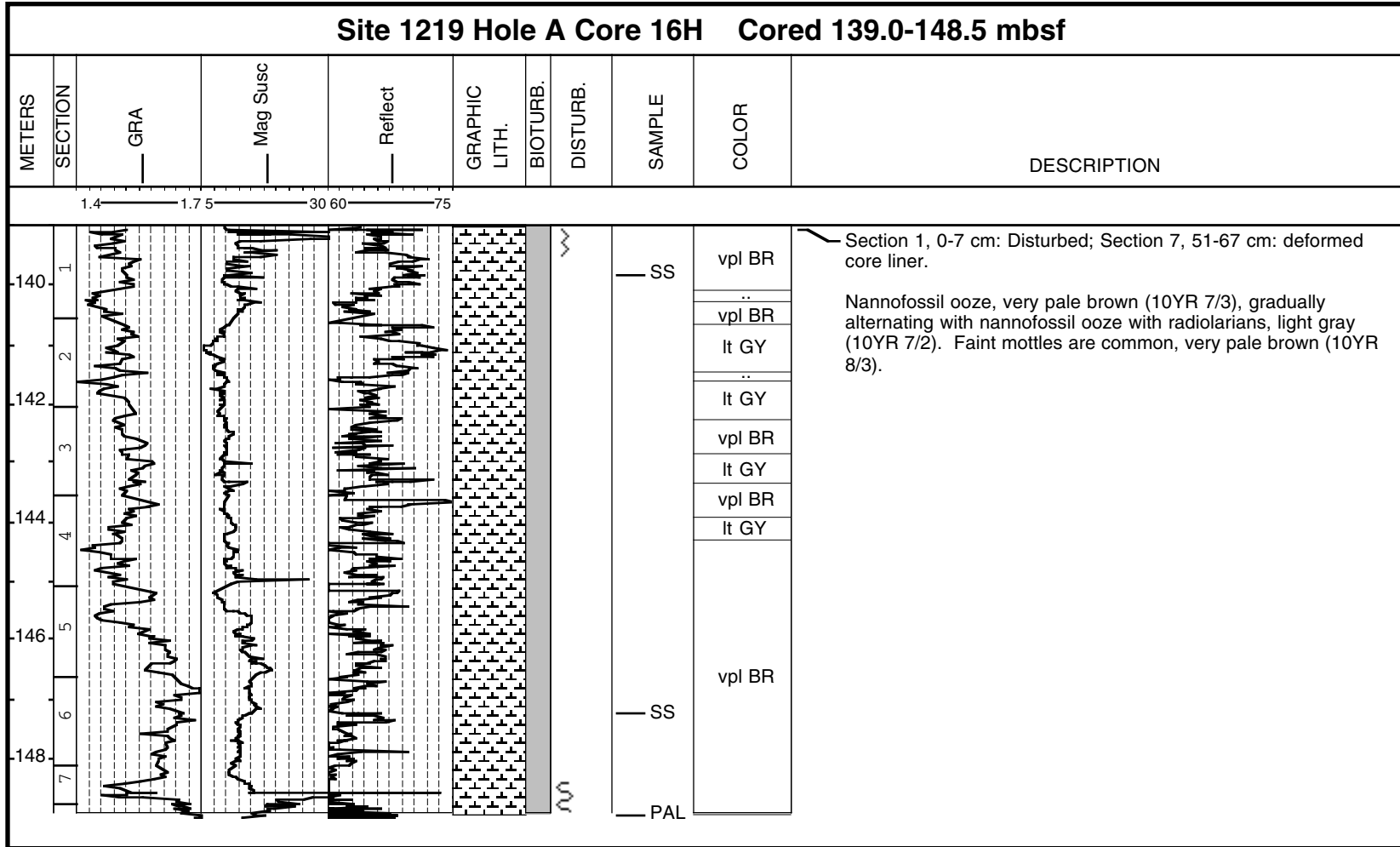
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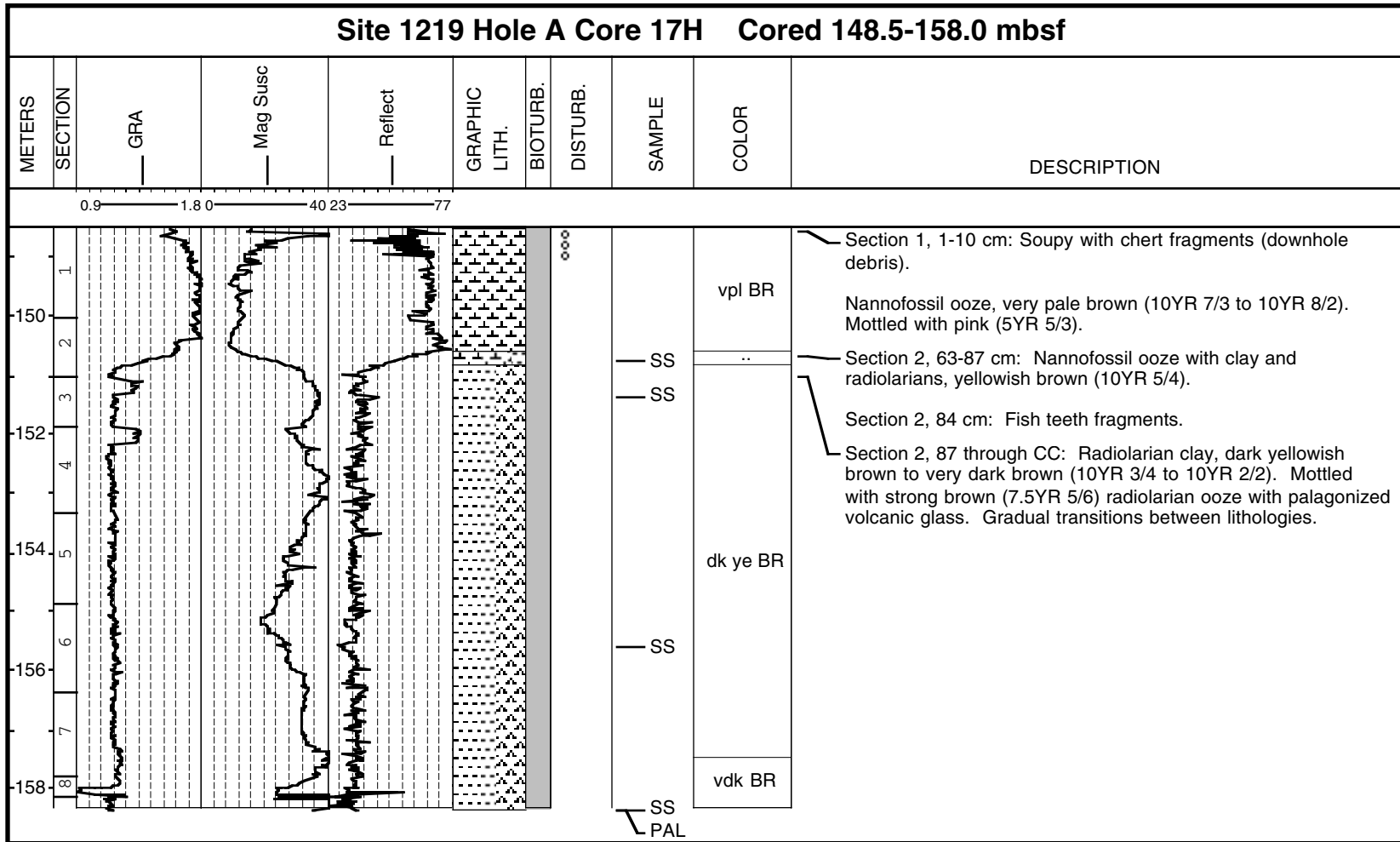
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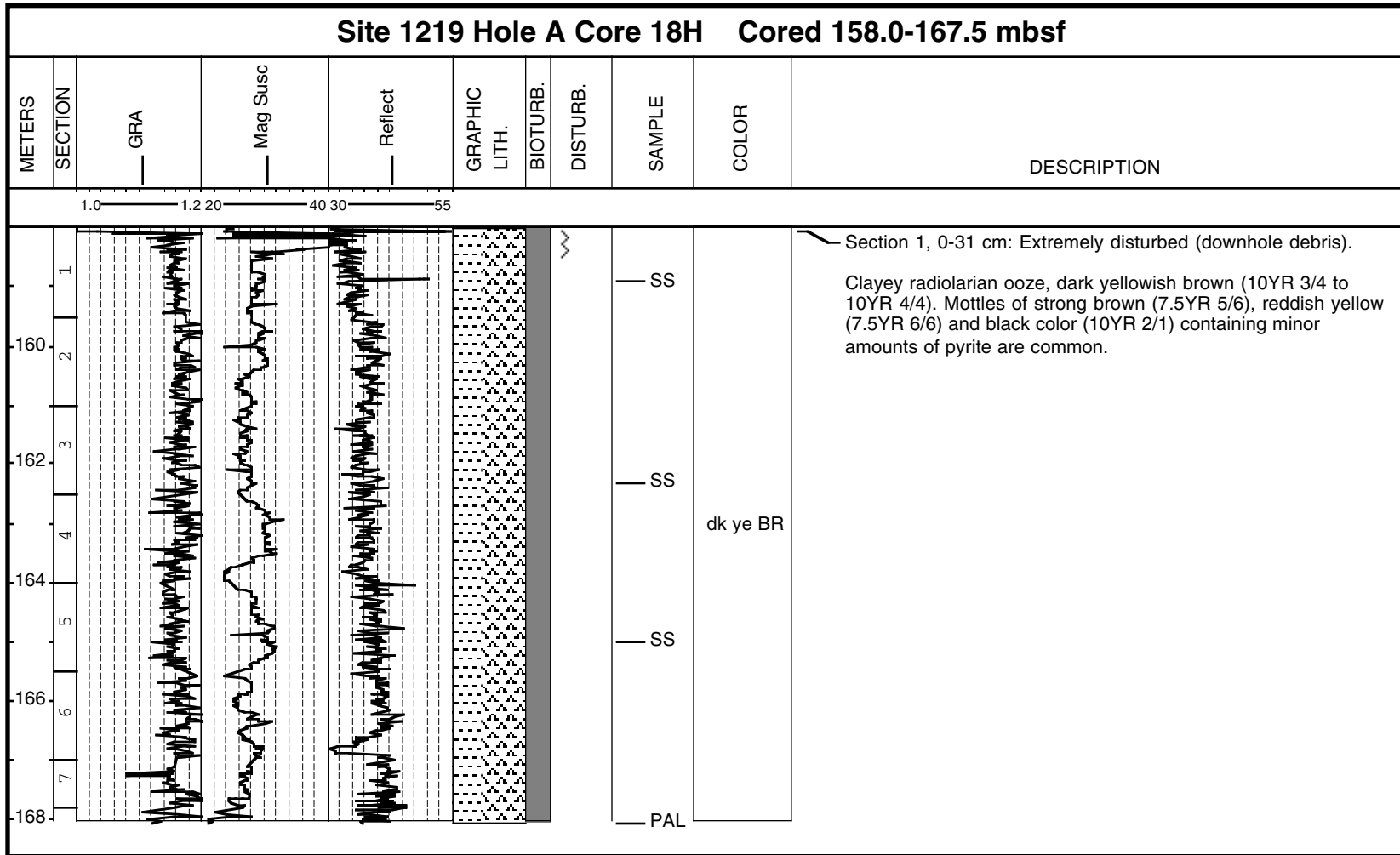
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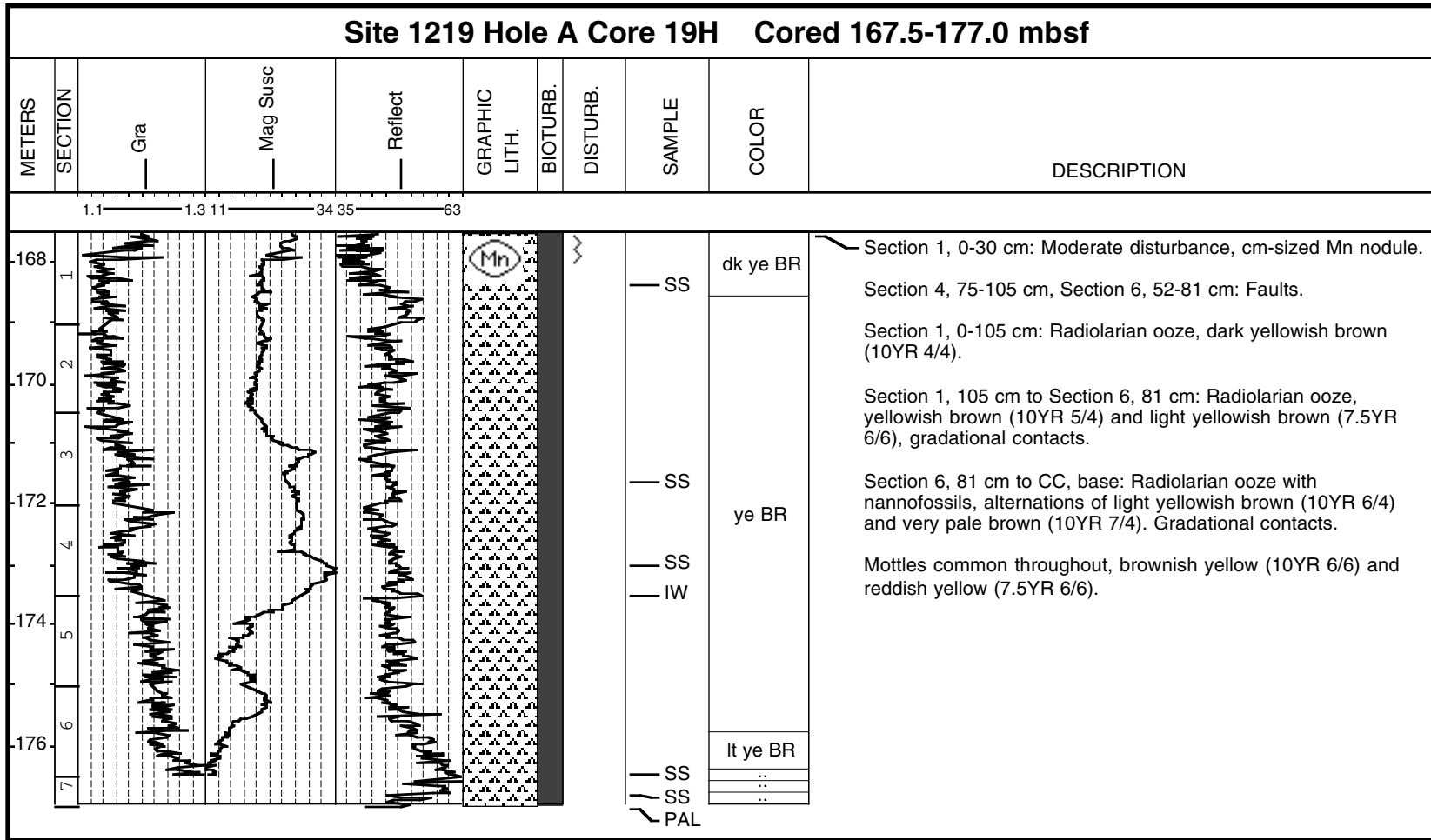
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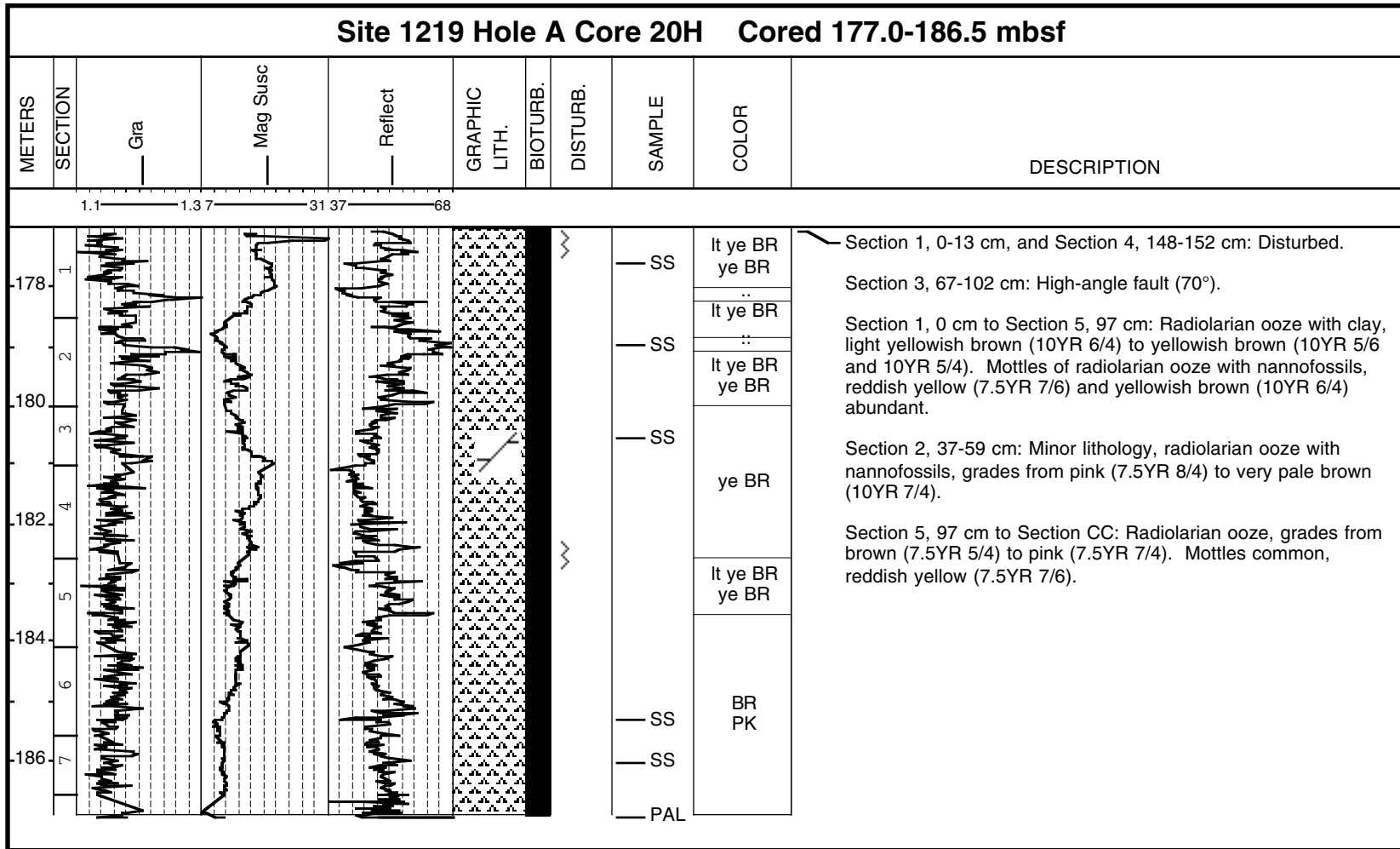
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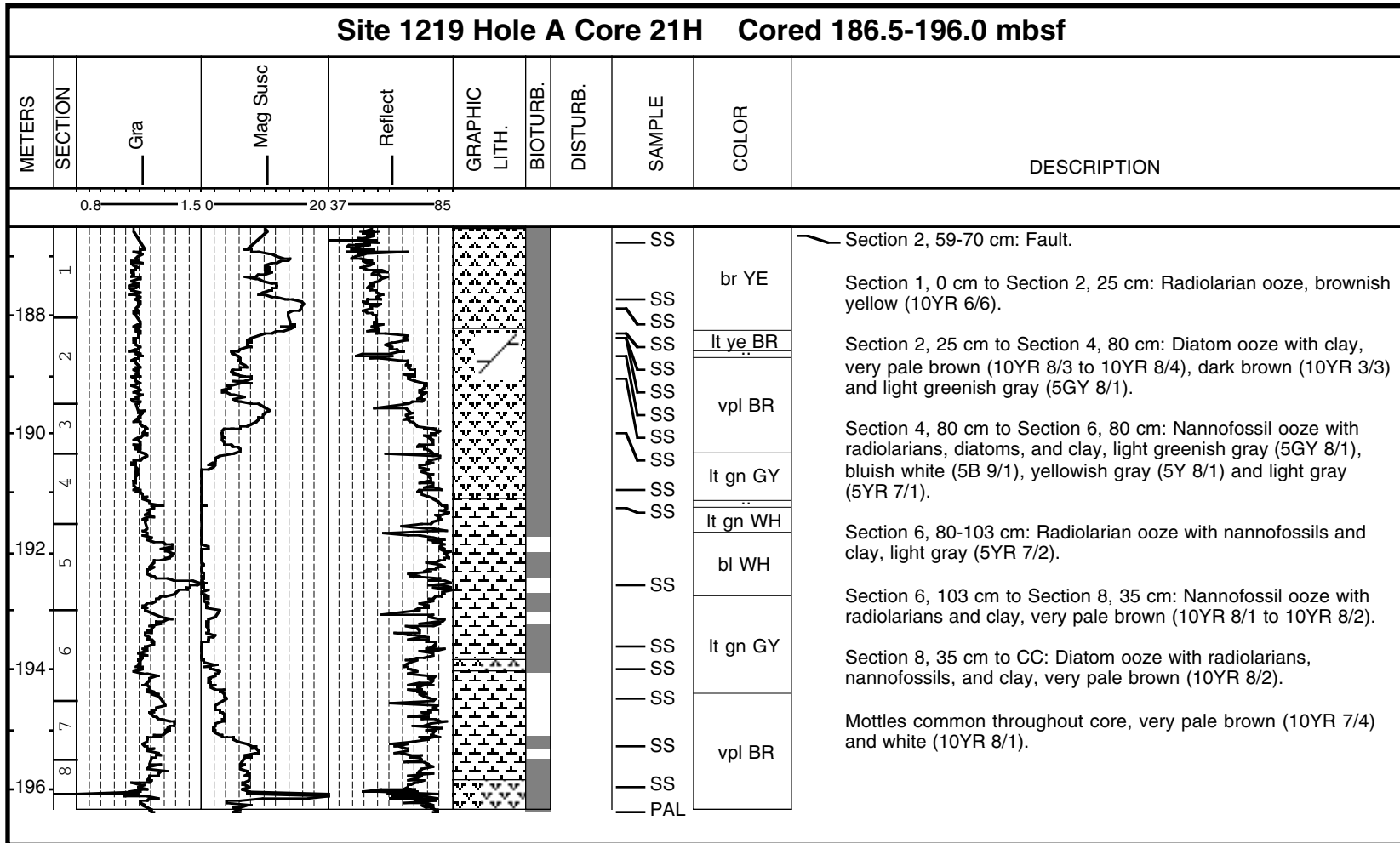
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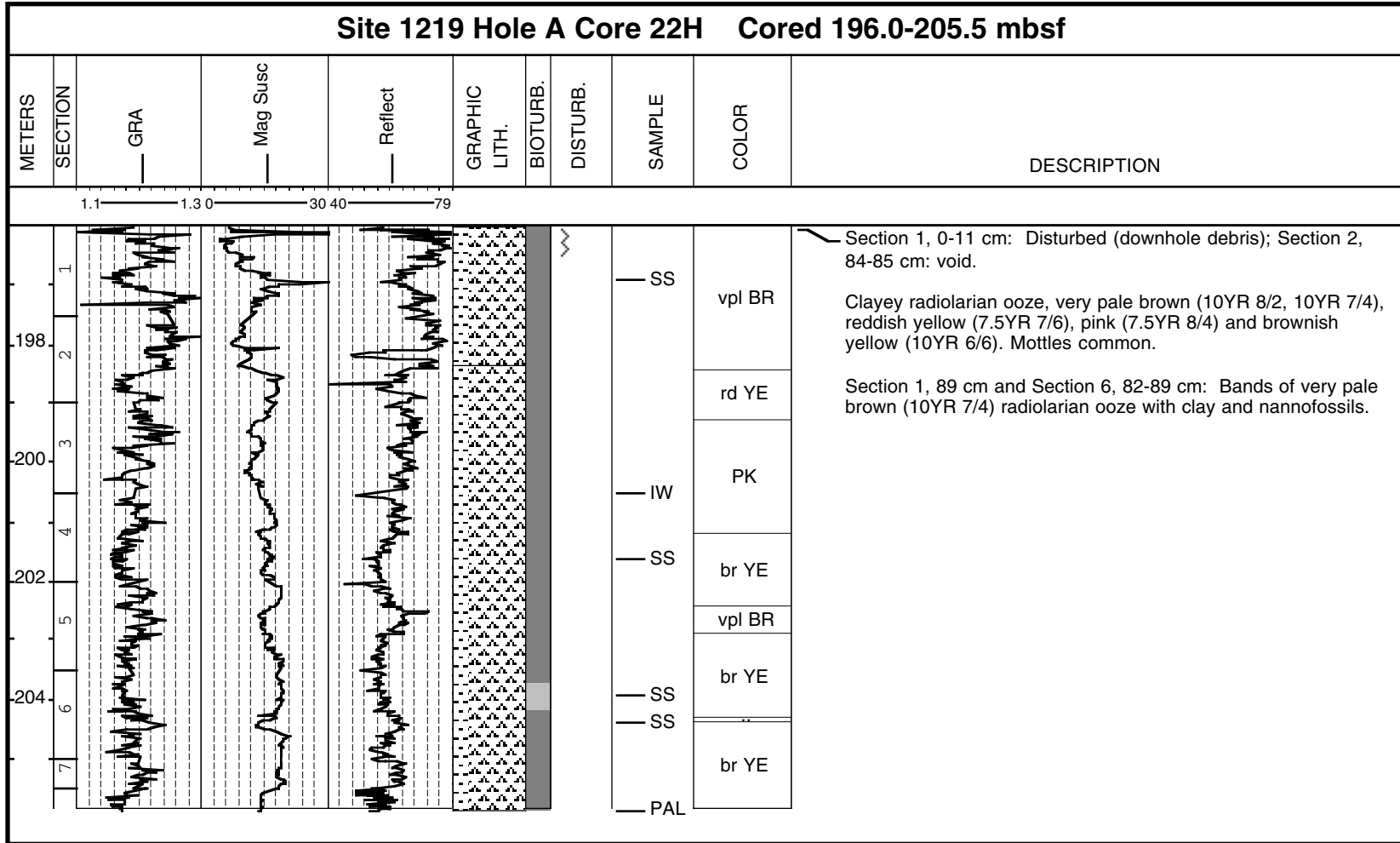
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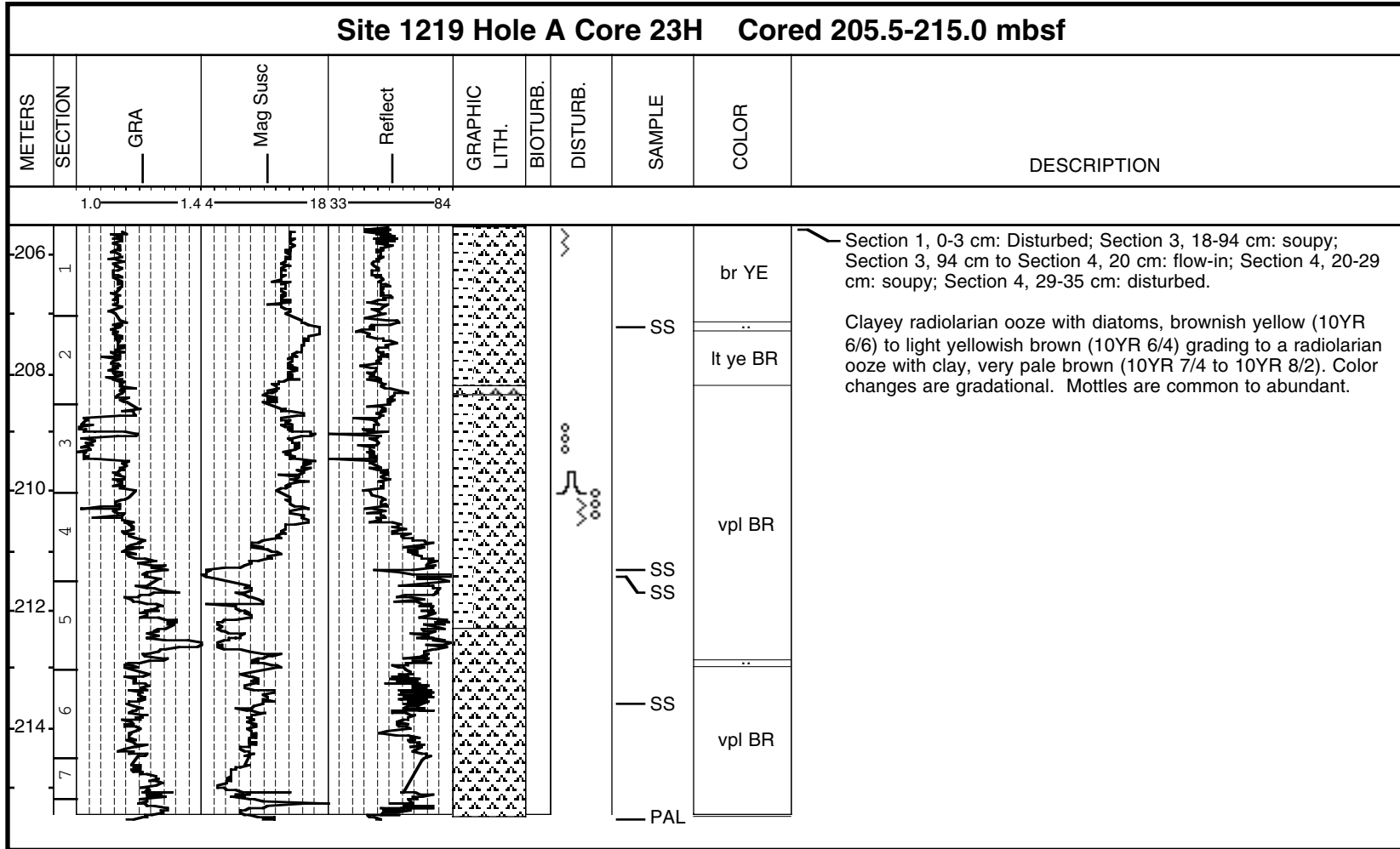
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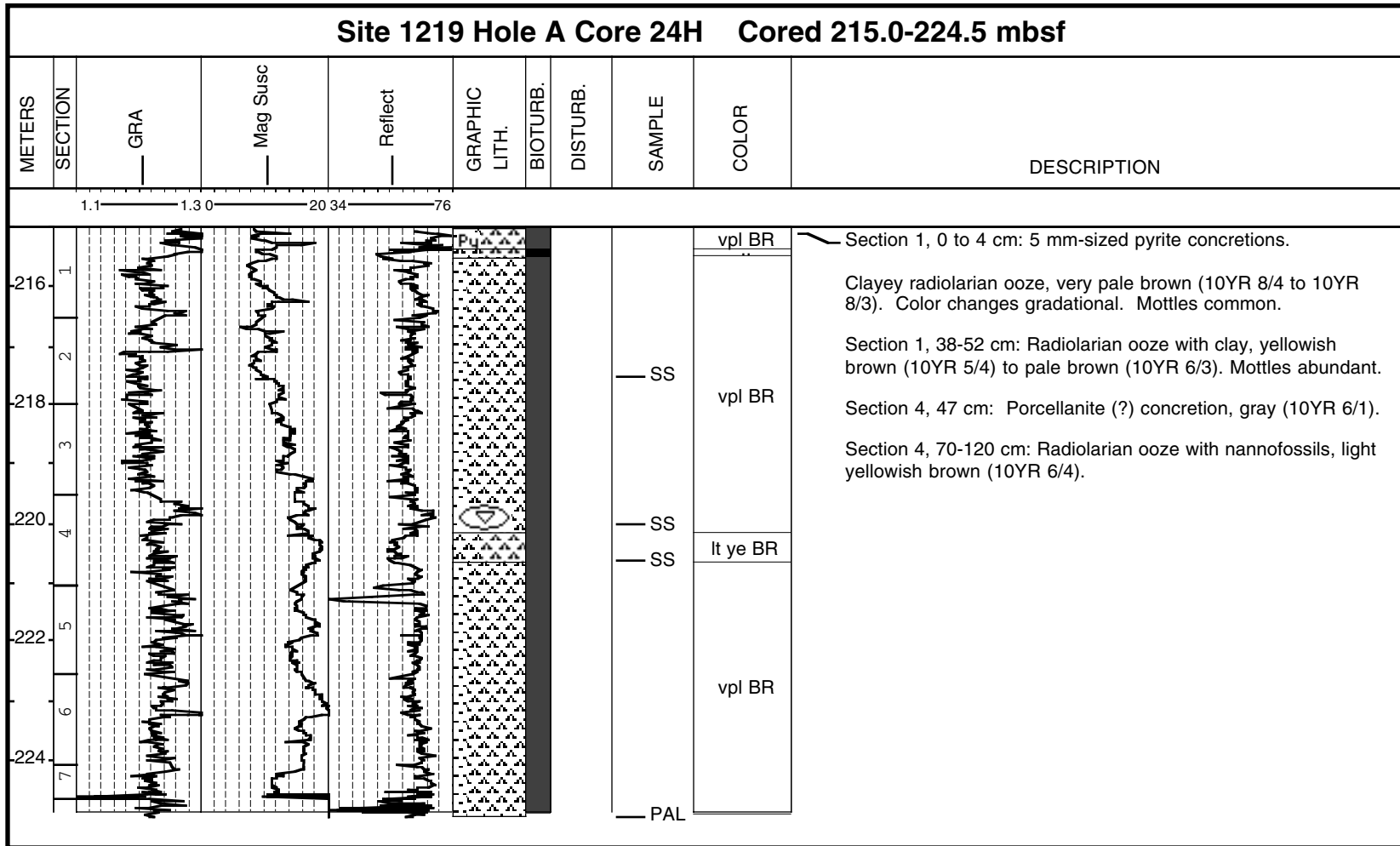
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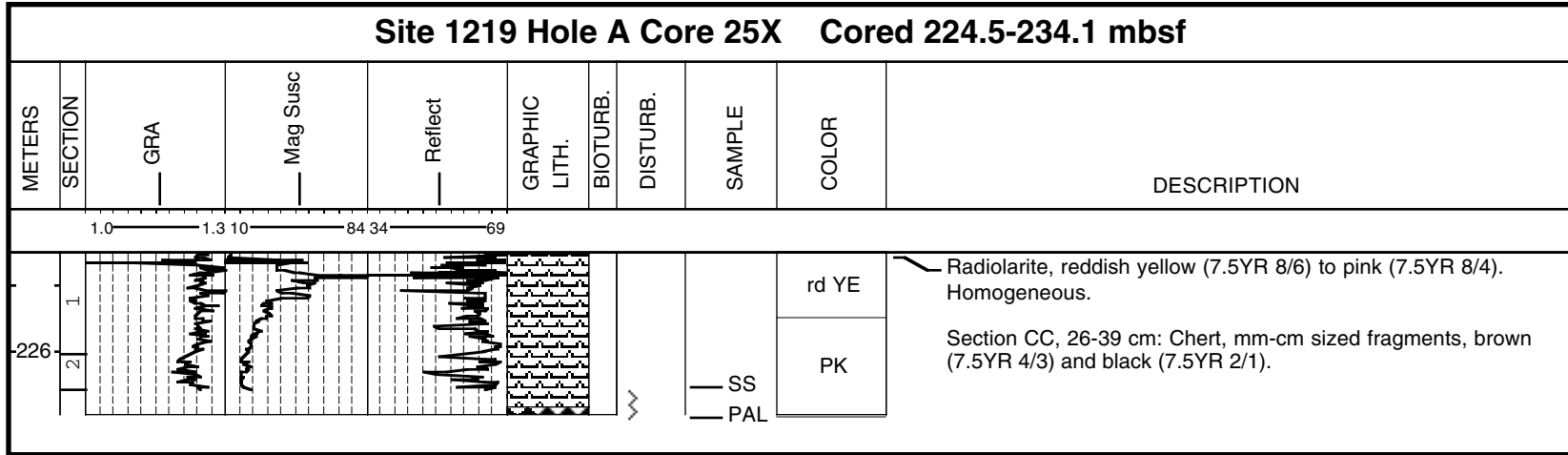
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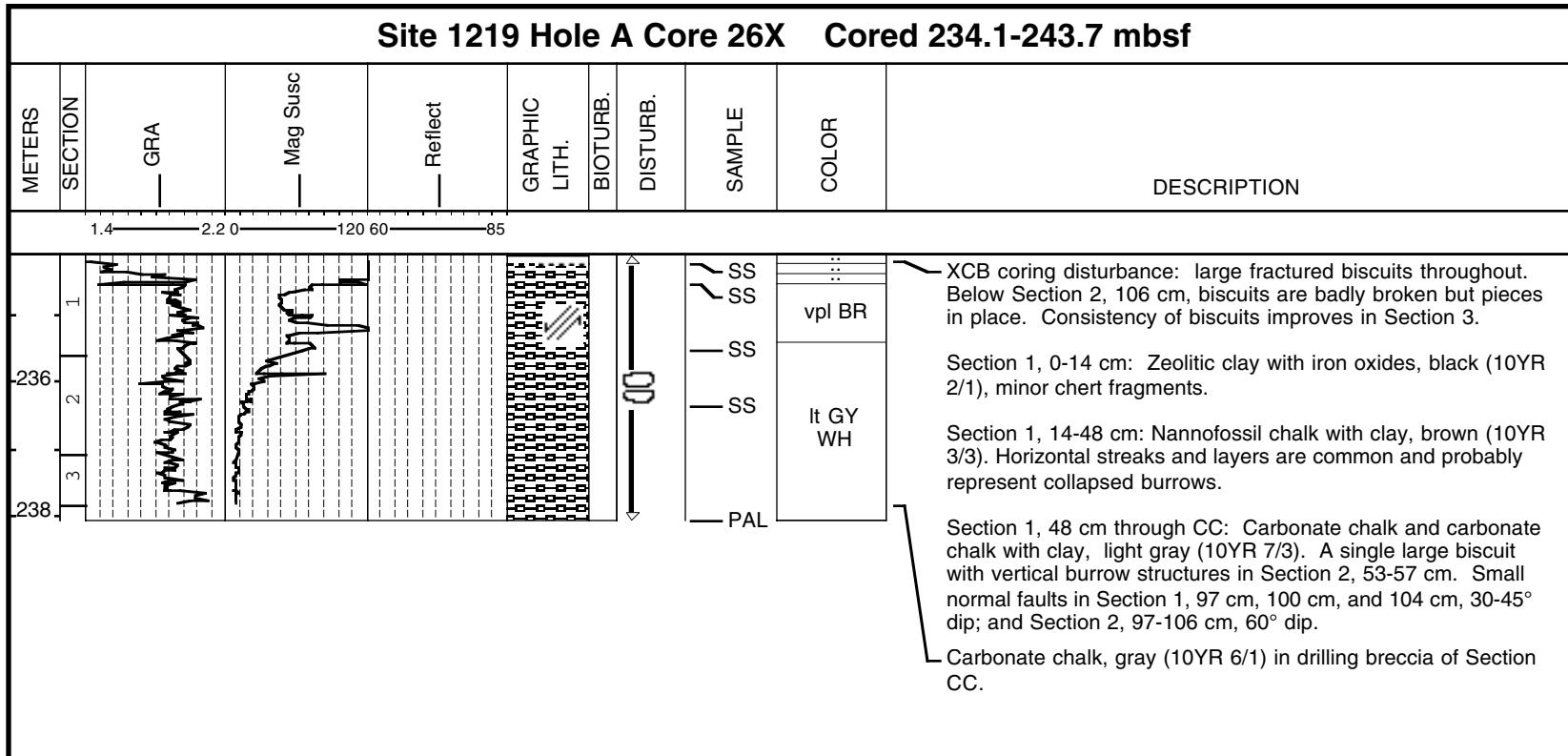


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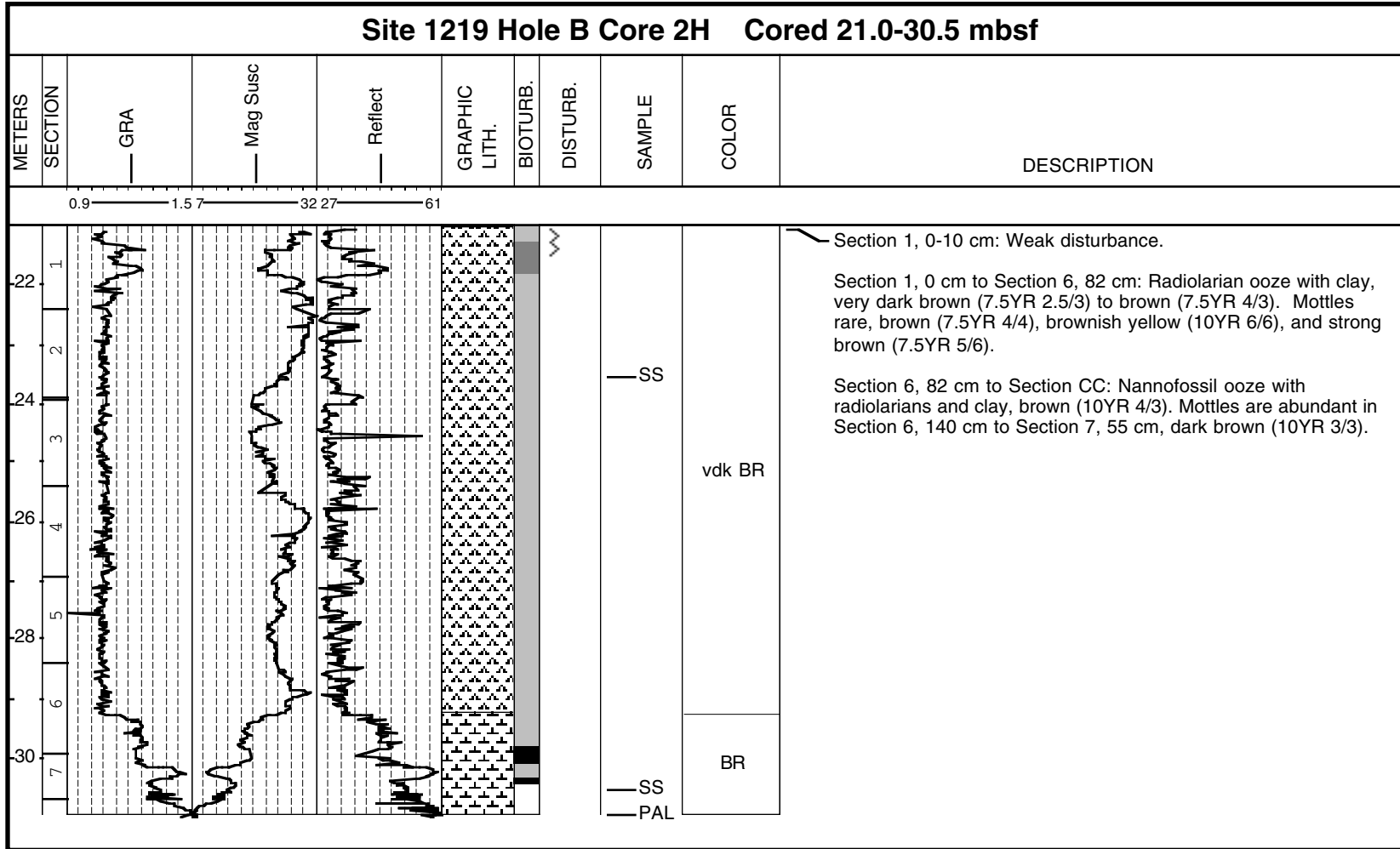


CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, SITE 1219

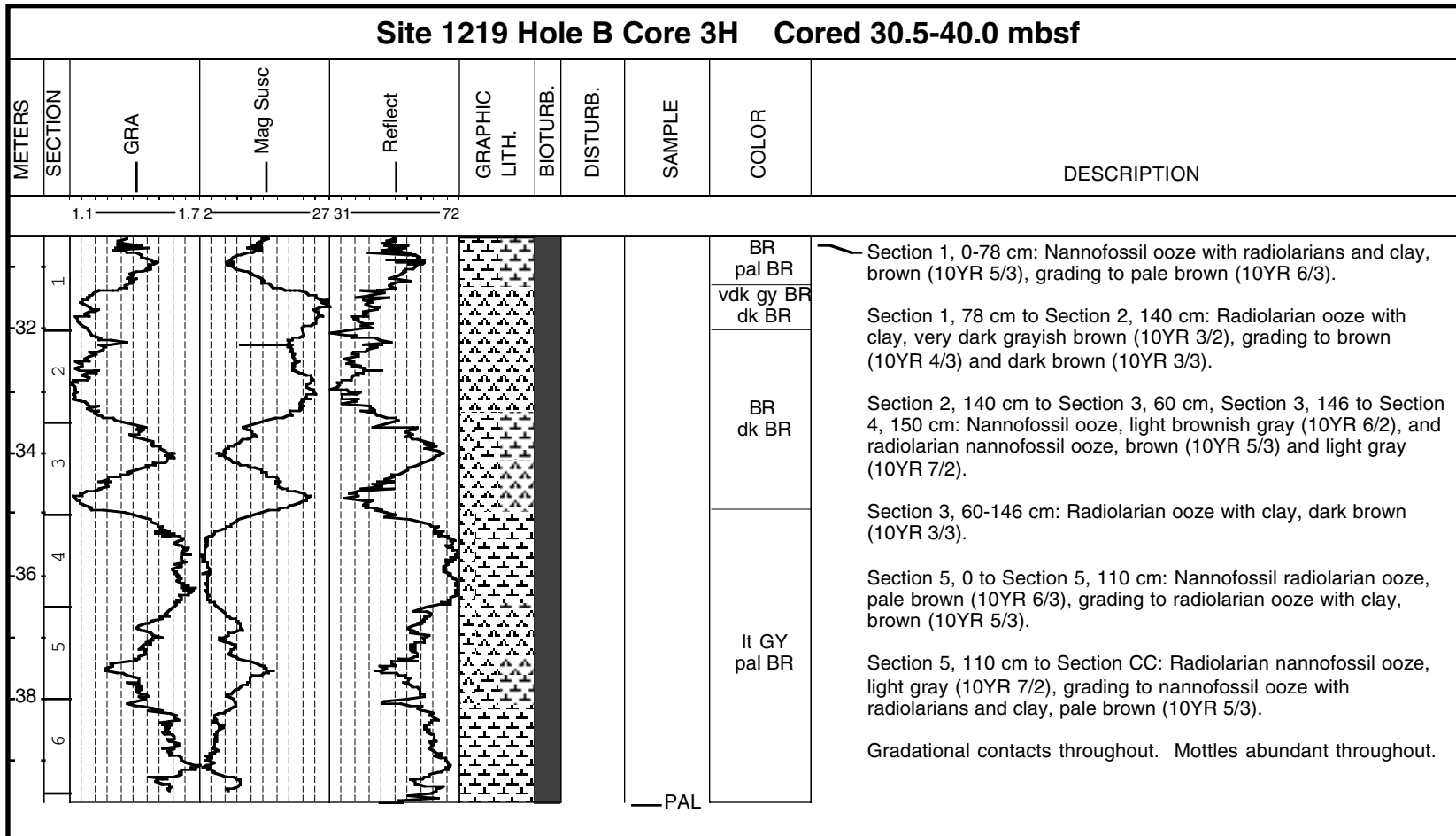
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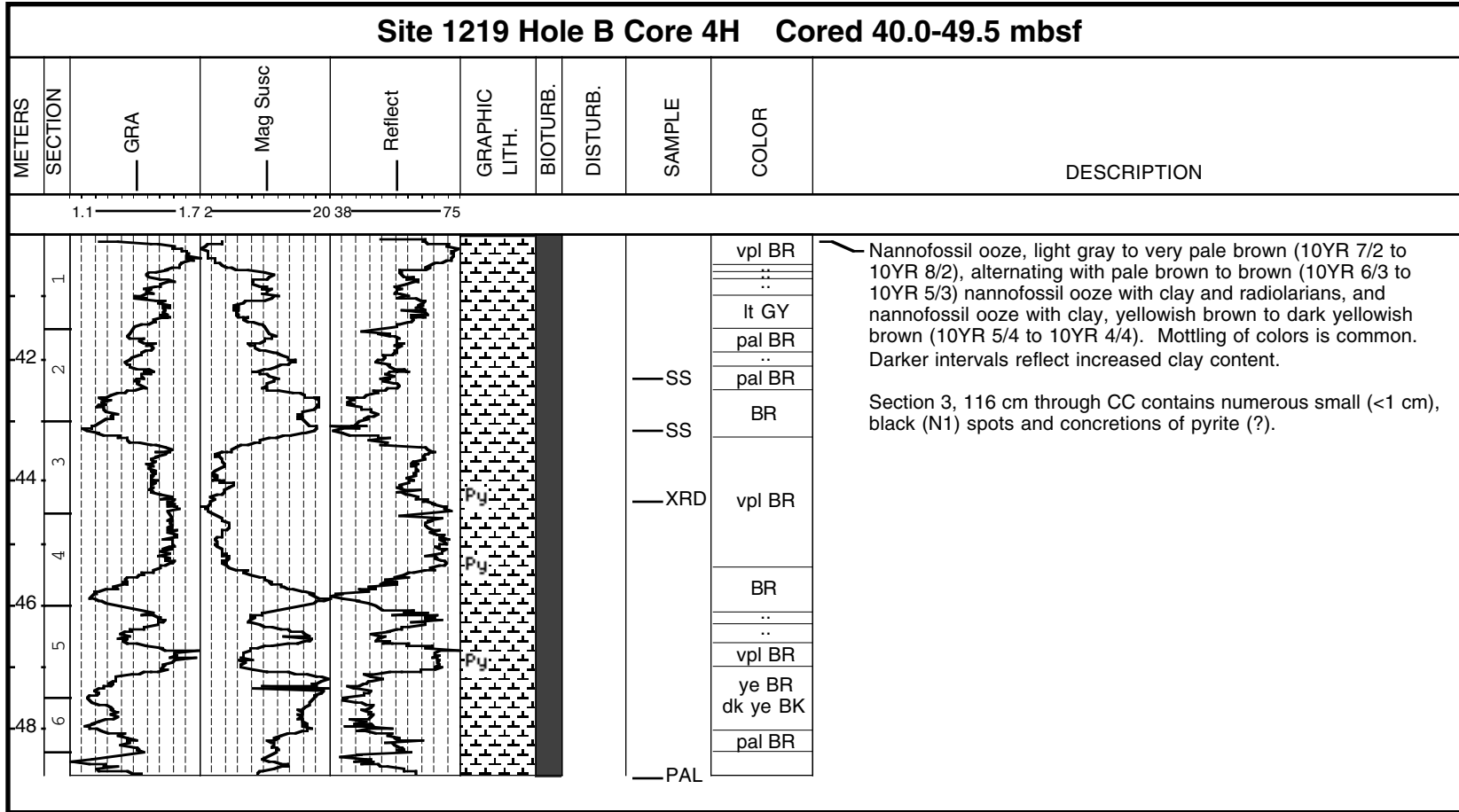
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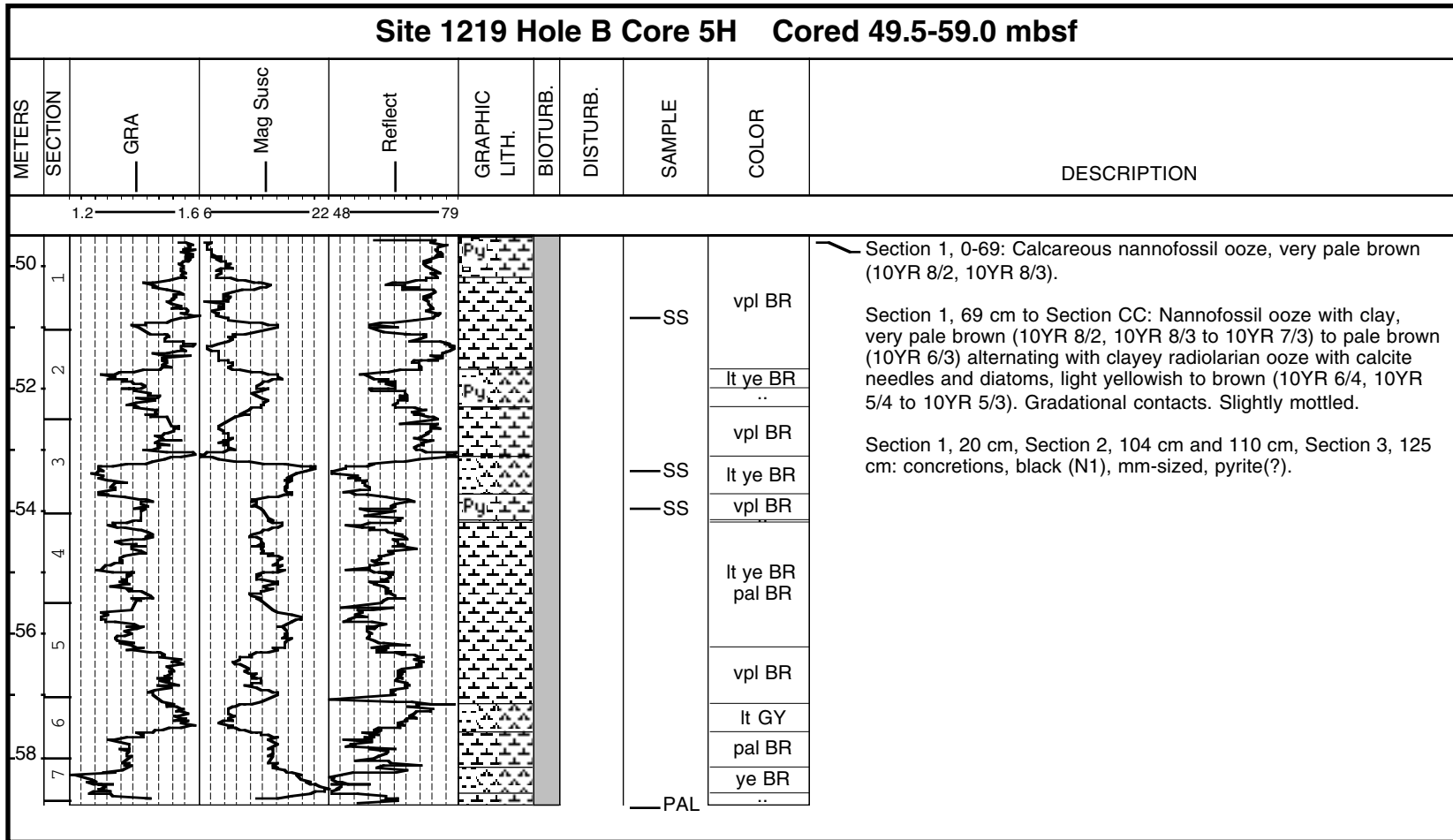
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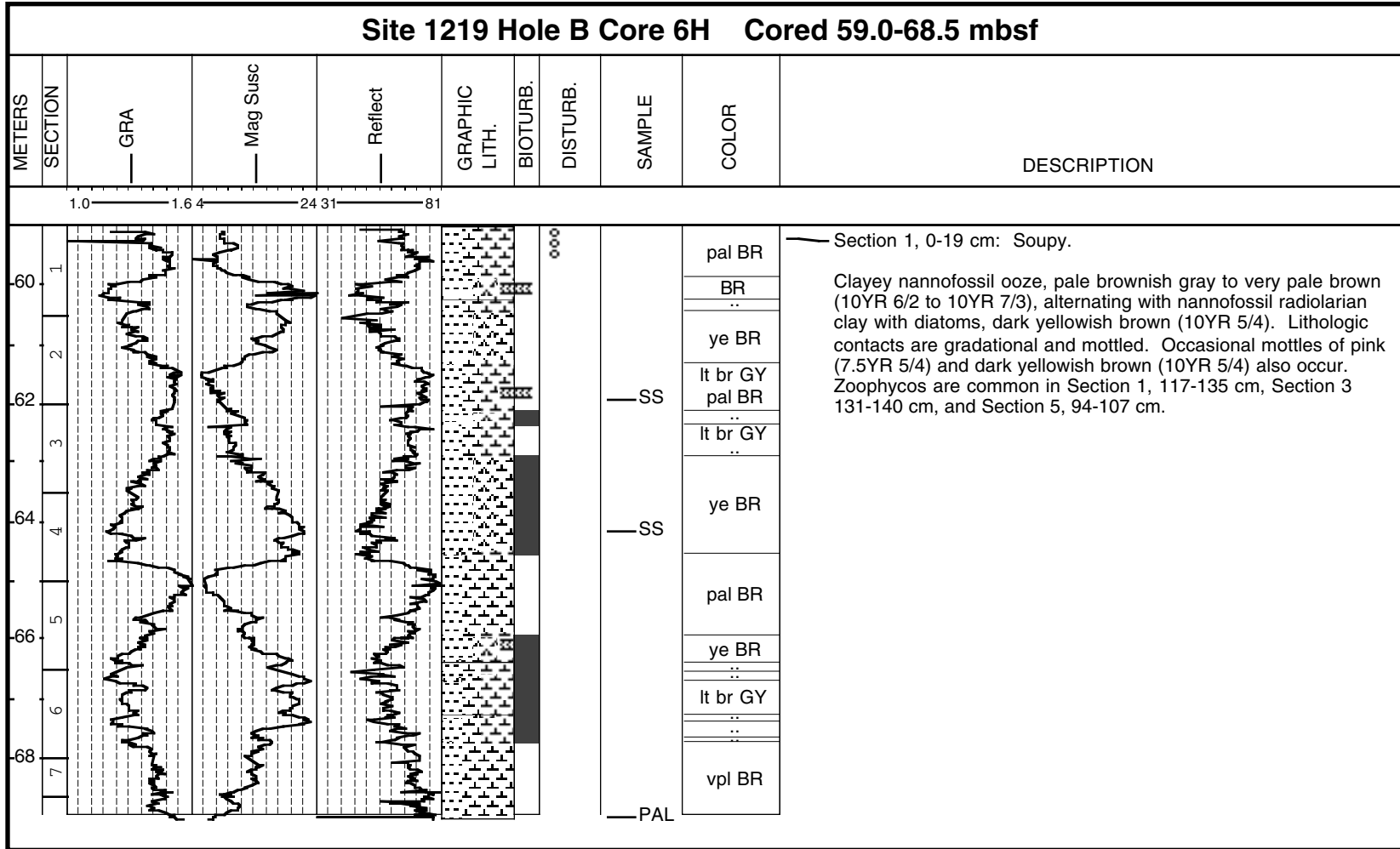
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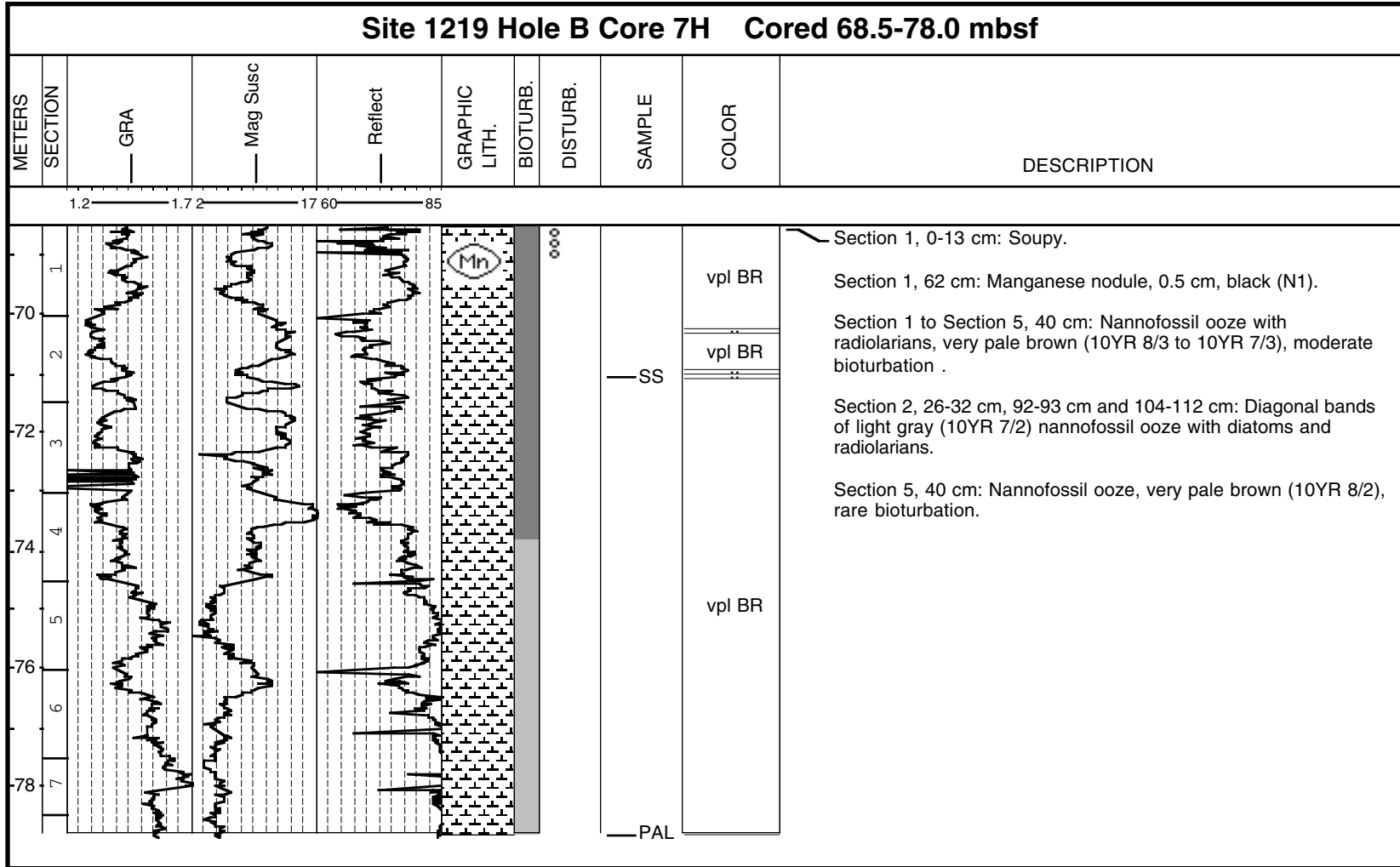
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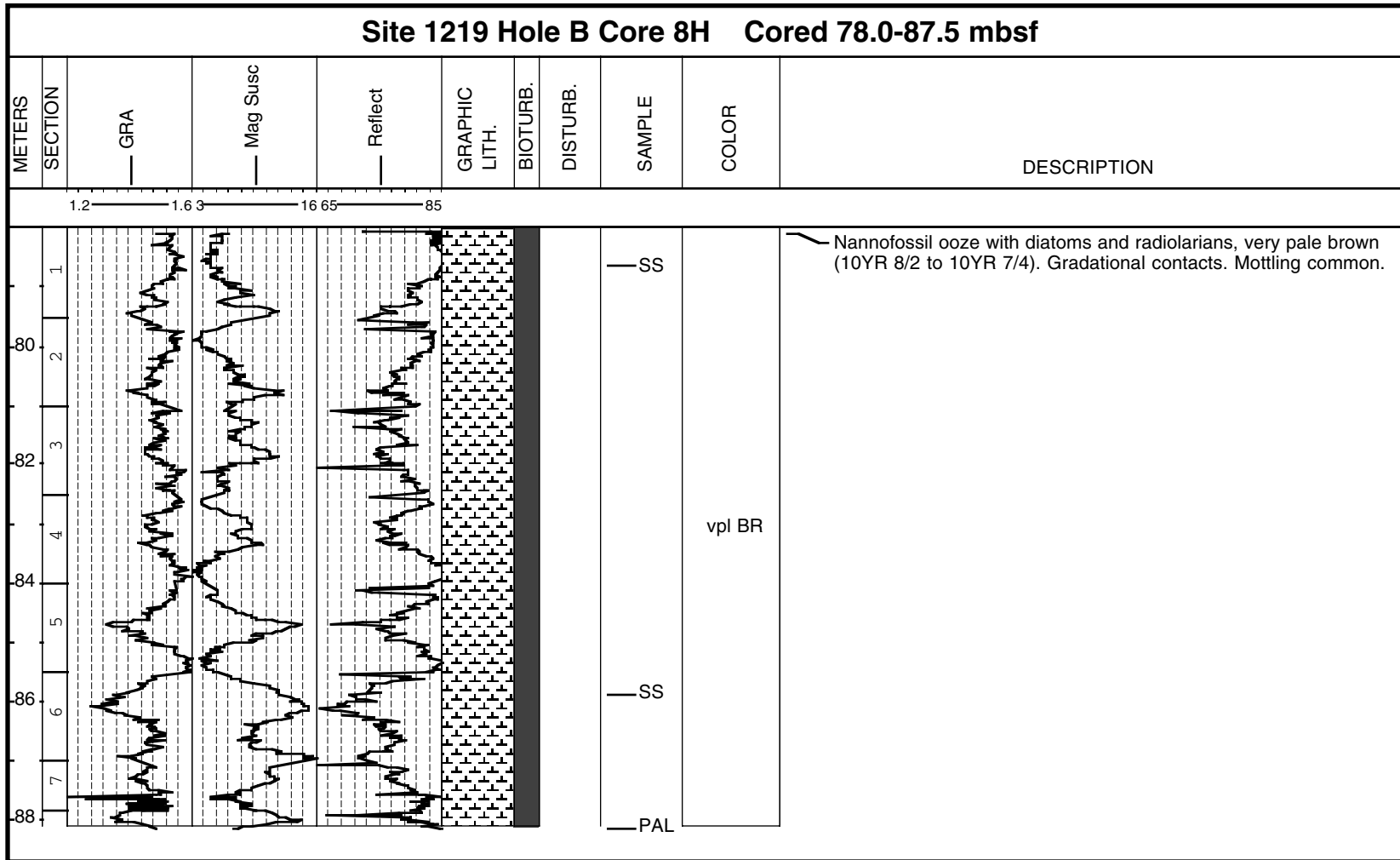
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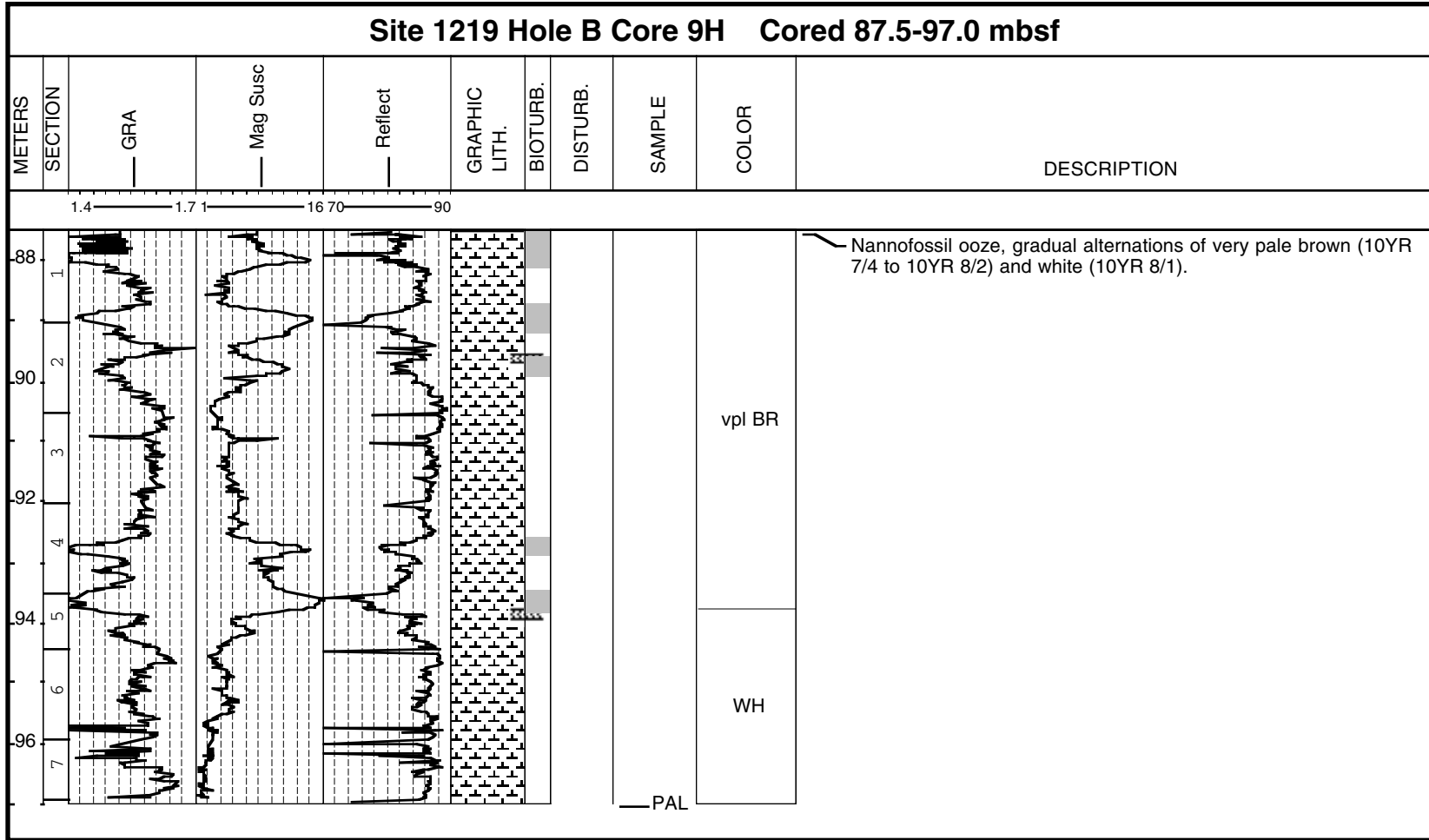
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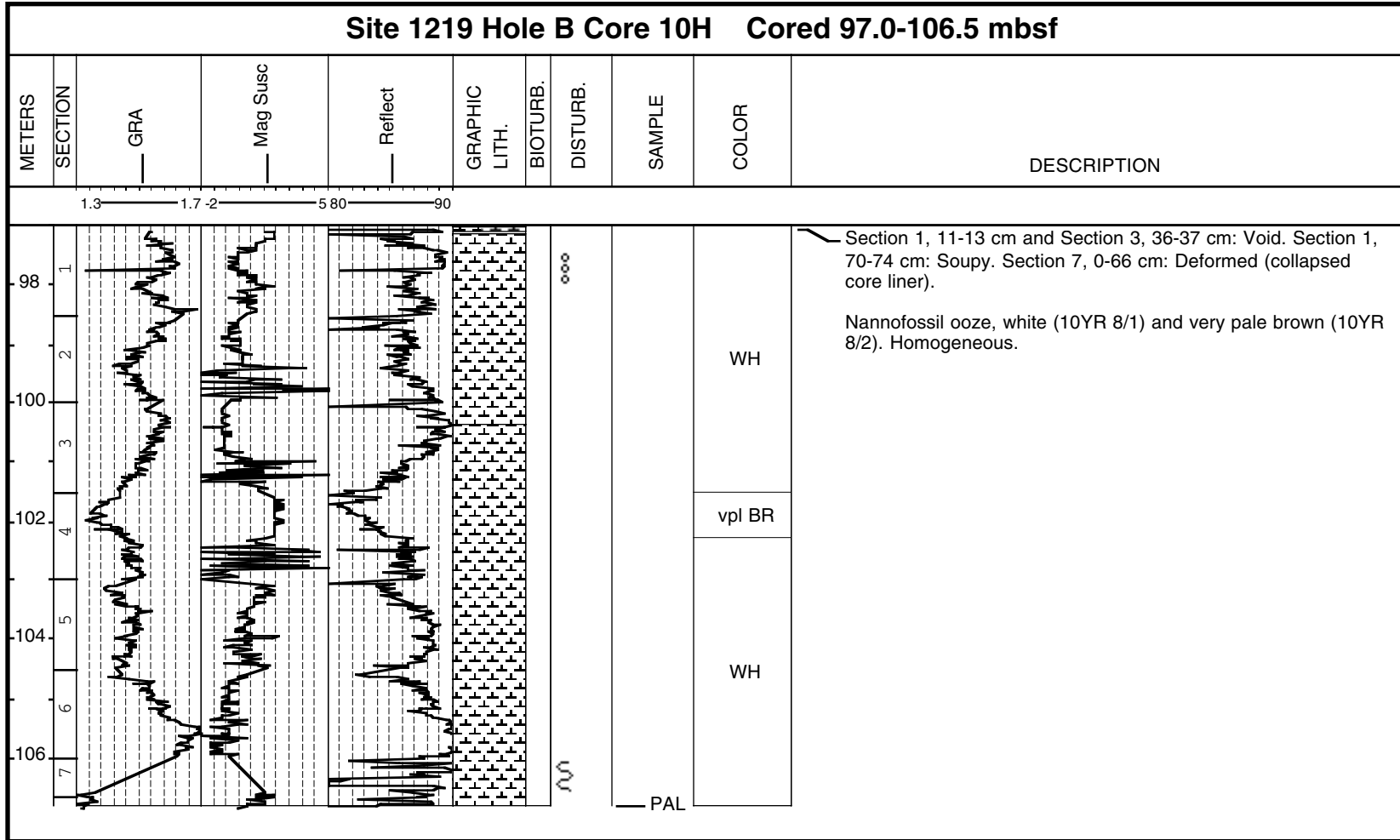
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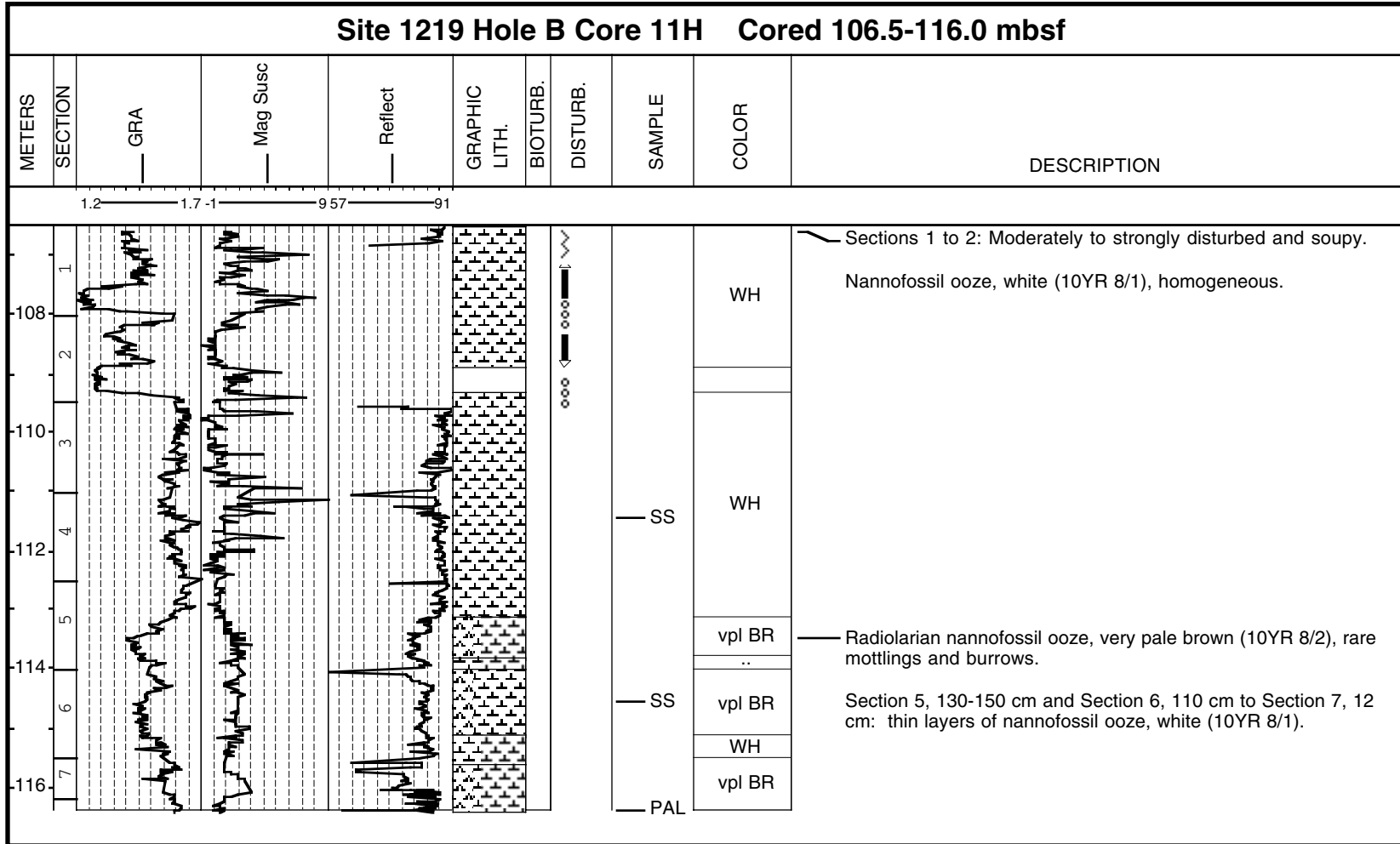
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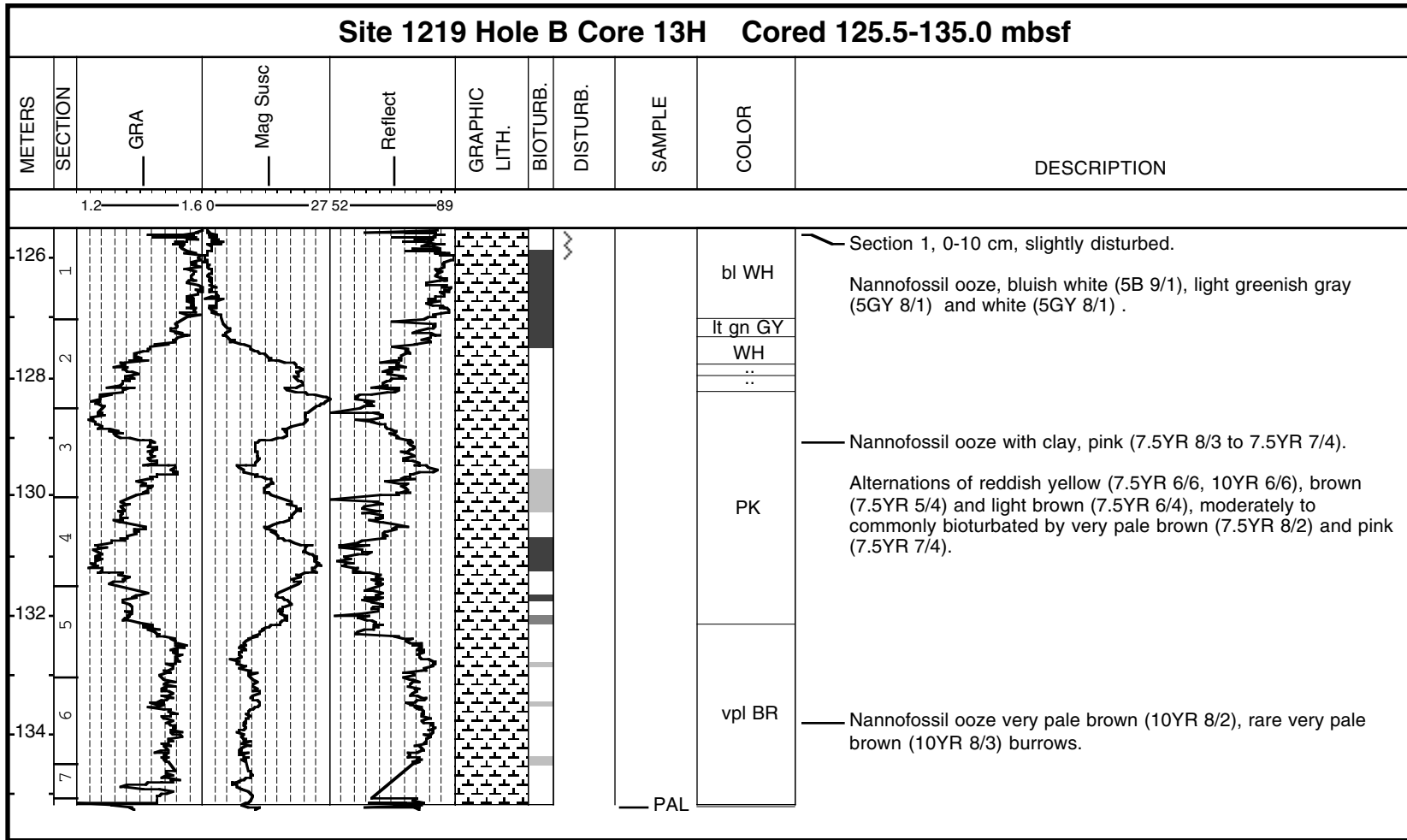
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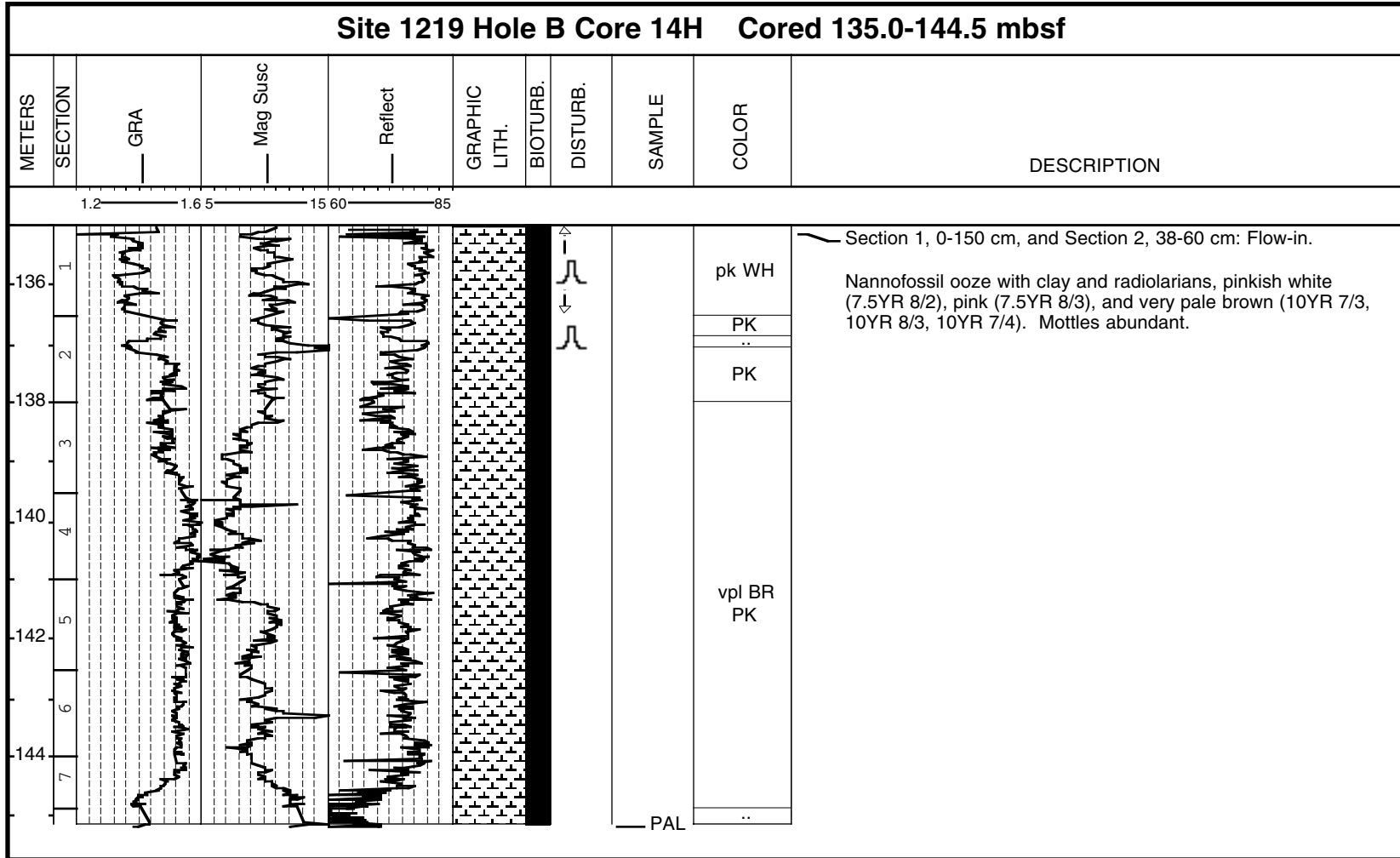
Core Photo



Core Photo



Core Photo



Core Photo

Site 1219 Hole B Core 16H Cored 154.0-158.0 mbsf									
METERS	SECTION			GRAPHIC LITH.	BIOTURB.	DISTURB.	SAMPLE	COLOR	DESCRIPTION
156	3	1						vpl BR	<p>Extremely disturbed core!</p> <p>Bent core barrel was lodged in drill pipe upon recovery and removed by using hacksaw and cutting torch. Section 1 appears to be in reasonably good condition, but remainder of core is extremely disturbed.</p> <p>Section 1: Nannofossil ooze, very pale brown (10YR 7/3). Slightly mottled with pink (5YR 7/3).</p> <p>Section 2 through 6: Radiolarian clay, dark brown (10YR 3/3). Several biscuits of lithified radiolarian claystone found throughout Sections 3 and 4.</p> <p>Section 4, 47-74 cm: Thin layer showing vertical structure, probably flow-in, nannofossil ooze, very pale brown (10YR 7/3).</p> <p>Section 5 contains several intervals of twisted and deformed core liner.</p>
158	4	5						dk BR	

Sample								Texture			Mineral							Biogenic							Comments							
	Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Clay Mineral (47)	Clinoptilolite (48)	Fe Oxide (68)	Opauques (140)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)		Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)		
Hole A																																
199	1219	A	1	H	1	66	0.66	D			100		30				*			10								60	*	Clayey radiolarian ooze with diatoms		
199	1219	A	1	H	1	120	1.20	D			100		70		2	*				3									25		Radiolarian clay	
199	1219	A	1	H	CC	12	5.92	D			100		73		5	2												20		Clay with radiolarians		
199	1219	A	2	H	1	130	7.30	D			100		30		3	2	*			*								65		Clayey radiolarian ooze		
199	1219	A	2	H	2	4	7.54	M			100		20		1					4								75		Radiolarian ooze with clay		
199	1219	A	2	H	3	80	9.80	D			100		20		10	3				2								65		Radiolarian ooze with clay and Fe oxides		
199	1219	A	2	H	4	43	10.93	D			100		35		5	3	*			*								57	*	Clayey radiolarian ooze		
199	1219	A	2	H	5	44	12.44	D			100		30		5	5	3			2								55	*	Clayey radiolarian ooze		
199	1219	A	2	H	7	43	15.43	D			100		30		4	4				2								60		Clayey radiolarian ooze		
199	1219	A	2	H	CC	10	15.95	D			100		25		4	3				1								67		Radiolarian ooze with clay		
199	1219	A	3	H	2	136	18.36	M			100		10		40		*			1								49	*	Fe oxide radiolarian ooze		
199	1219	A	3	H	3	91	19.41	D			100		20		3	2				1					30		44		Nannofossil radiolarian ooze with clay			
199	1219	A	3	H	3	127	19.77	D			100		20		3	2				2								73		Radiolarian ooze with clay		
199	1219	A	3	H	3	145	19.95	D			100		20		3	2				3					35		37		Nannofossil radiolarian ooze with clay			
199	1219	A	3	H	4	61	20.61	D			100		20		5					1					35		39		Nannofossil radiolarian ooze with clay			
199	1219	A	3	H	5	18	21.68	D			100		10							5			*	65			20		Nannofossil ooze with radiolarians and clay			
199	1219	A	3	H	7	30	24.80	D			100		20		2	2				1								75		Radiolarian ooze with clay		
199	1219	A	3	H	CC	10	25.29	D			100		20		4					1								75		Radiolarian ooze with clay		
199	1219	A	4	H	2	95	27.45	D			100									5				*			90	5		Radiolarian ooze		
199	1219	A	4	H	4	30	29.80	D			100									2		5					88	5	*	Radiolarian ooze		
199	1219	A	4	H	4	71	30.21	D			100									2	5	20					68	5	*	Radiolarian ooze with nannofossils		
199	1219	A	4	H	4	103	30.53	M			100				50			5	5	*							30	5	5	Radiolarian Fe oxide		
199	1219	A	4	H	5	57	31.57	D			100		5		5			5	20								65	*	Radiolarian ooze with nannofossils			
199	1219	A	4	H	5	135	32.35	M			100													*	65	30	*	5	Radiolarian nannofossil ooze			
199	1219	A	5	H	1	132	35.82	D			100				10				5	*	5						70	5	5	Radiolarian ooze		
199	1219	A	5	H	2	130	37.30	D			100				5				85		5						5	*	*	Nannofossil ooze		
199	1219	A	5	H	7	63	44.13	D			100				5					8					72		15			Nannofossil ooze with radiolarians		
199	1219	A	6	H	1	76	44.76	M			100	25	5		10					10					30		20	*		Calcitic nanno ooze with radiolarians, Fe-oxides, and diatoms		
199	1219	A	6	H	3	10	47.10	D			100	7	5		8					10					30		40	*		Nannofossil radiolarian ooze		
199	1219	A	7	H	2	110	55.94	D			100	15	15		5					10					25		30	*		Nannofossil radiolarian ooze with clay, calcite and diatoms		
199	1219	A	7	H	5	70	60.04	D			100	15	5		5					5					60		10			Nannofossil ooze with calcite and radiolarians		
199	1219	A	8	H	2	70	65.20	D			100	5	5		5				20	*	15						45	5		Nannofossil radiolarian ooze		
199	1219	A	8	H	3	129	67.29	M			100				5			*		10	10	25					40	10	*	Nannofossil radiolarian ooze with diatoms and sponge spicules		
199	1219	A	8	H	6	60	71.10	D			100	*	10		*				40	15	10						20	5	*	Nannofossil ooze with radiolarians, diatoms, and clay		
199	1219	A	9	H	3	140	76.90	D			100		5				*			*				5	80		10			Nannofossil ooze with radiolarians		
199	1219	A	11	H	1	92	92.42	D			100	1	10							1					80		8			Nannofossil ooze with clay and radiolarians		
199	1219	A	11	H	1	122	92.72	D			100		20		*					*					50		30			Radiolarian nannofossil ooze with clay		

Sample								Texture			Mineral							Biogenic							Comments						
	Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Clay Mineral (47)	Clinoptilolite (48)	Fe Oxide (68)	Opagues (140)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)		Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	
Hole A (continued)																															
199	1219	A	11	H	4	123	97.23	D			100		15		2									15	65		3				Nannofossil ooze with forams and clay
199	1219	A	12	H	1	123	102.23	D			100		15		*						10				60		15				Nannofossil ooze with clay, radiolarians and diatoms
199	1219	A	12	H	2	120	103.70	D			100		5								1				90		4				Nannofossil ooze
199	1219	A	12	H	6	66	109.16	D			100		20								1				75		4				Nannofossil ooze with clay
199	1219	A	12	H	6	86	109.36	D			100		30								4			1	60		5				Clayey nannofossil ooze
199	1219	A	12	H	7	20	110.20	D			100		20		*						1				65		14				Nannofossil ooze with clay and radiolarians
199	1219	A	13	H	5	50	116.56	D			100		5								*				92		3				Nannofossil ooze
199	1219	A	13	H	6	105	118.61	D			100		15								1				75		9				Nannofossil ooze with clay and radiolarians
199	1219	A	13	H	7	44	119.50	D			100	4	5								*				90		1				Nannofossil ooze
199	1219	A	14	H	1	141	121.41	D			100	5	5								*				90		*				Nannofossil ooze
199	1219	A	14	H	2	50	122.00	D			100		10				*				*				87		3	*			Nannofossil ooze with clay
199	1219	A	14	H	2	95	122.45	D			100	2	10				*				1				82		5				Nannofossil ooze with clay
199	1219	A	14	H	3	30	123.30	D			100		15					1			2				72		10				Nannofossil ooze with clay and radiolarians
199	1219	A	14	H	3	138	124.38	D			100		15		5		*				10				65		5				Nannofossil ooze with clay and diatoms
199	1219	A	14	H	6	105	128.55	D			100		20		5						4				61		10				Nannofossil ooze with clay and radiolarians
199	1219	A	15	H	2	126	132.26	D			100		17											2	75		6	*			Nannofossil ooze with clay
199	1219	A	15	H	5	70	136.20	D			100		24											2	59		15	*			Nannofossil ooze with clay and radiolarians
199	1219	A	15	H	7	30	138.80	D			100		20	5			*				5			3	47		20	*			Nannofossil ooze with clay and radiolarians
199	1219	A	16	H	1	76	139.76	D			100		1	1							75	5	10	*			8		*		Nannofossil ooze
199	1219	A	16	H	6	60	147.21	D			100		2	4	3	1					65	5	10	*	*		10	*			Nannofossil ooze with radiolarians
199	1219	A	17	H	2	76	150.76	D			100		15								70	*					10	5			Nannofossil ooze with radiolarians and clay
199	1219	A	17	H	3	33	151.35	M			100		5		*		20										70	5			Radiolarian ooze with volcanic glass
199	1219	A	17	H	6	70	155.57	D			100		50		*						*						45	5	*		Radiolarian clay
199	1219	A	17	H	CC	0	158.16	D			100		50								5			1			39	5			Radiolarian clay
199	1219	A	18	H	1	86	158.86	M			100		47		1	1			*		*		*				50	1			Clayey radiolarian ooze
199	1219	A	18	H	3	126	162.26	D			100		40		5	10					*						45	*			Clayey radiolarian ooze with opaques
199	1219	A	18	H	5	94	164.94	D			100		40			5		*			5			*			49	1			Clayey radiolarian ooze
199	1219	A	19	H	1	87	168.37	D			100		5		*						*						95				Radiolarian ooze
199	1219	A	19	H	3	110	171.60	D			100		5		*						2						93				Radiolarian ooze
199	1219	A	19	H	4	97	172.97	M			100		5				*				*						95				Radiolarian ooze
199	1219	A	19	H	6	145	176.45	D			100		5				1				2				20		72				Radiolarian ooze with nannofossils
199	1219	A	19	H	7	27	176.77	D			100		5		*						*				15		79				Radiolarian ooze with nannofossils
199	1219	A	20	H	1	57	177.57	D			100		10				1				*						89				Radiolarian ooze with clay
199	1219	A	20	H	2	43	178.93	D			100		5				*				*				20		75				Radiolarian ooze with nannofossils
199	1219	A	20	H	3	53	180.53	D			100		10				*				*			*			90				Radiolarian ooze with clay
199	1219	A	20	H	6	120	185.28	D			100		10		*		*				*						90				Radiolarian ooze with clay
199	1219	A	20	H	7	40	185.98	D			100		5				1										94				Radiolarian ooze

Sample								Texture			Mineral							Biogenic							Comments							
	Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Clay Mineral (47)	Clinoptilolite (48)	Fe Oxide (68)	Opagues (140)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)		Nannofossils (132)	Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)		
Hole A (continued)																																
199	1219	A	21	H	1	20	186.70	D			100	5					*			2								93			Radiolarian ooze	
199	1219	A	21	H	1	121	187.71	M			100	5					*			2								93			Radiolarian ooze	
199	1219	A	21	H	1	137	187.87	D			100	10							1								89			Radiolarian ooze with clay		
199	1219	A	21	H	2	26	188.26	D			100	15					*		65				*				20			Diatom ooze with radiolarians and clay		
199	1219	A	21	H	2	34	188.34	D			100	10					*		75								15			Diatom ooze with radiolarians and clay		
199	1219	A	21	H	2	35	188.35	D			100	20					1		50								29			Radiolarian diatom ooze with clay		
199	1219	A	21	H	2	65	188.65	D			100	30							40								30			Clayey radiolarian diatom ooze		
199	1219	A	21	H	2	107	189.07	D			100	10					*		55						15		20			Diatom ooze with radiolarians, nannofossils, and clay		
199	1219	A	21	H	3	46	189.96	D			100	20							40						25		15			Diatom ooze with nannofossils, radiolarians, and clay		
199	1219	A	21	H	4	62	190.92	D			100	10					*		50						10		30			Diatom ooze with radiolarians, nannofossils, and clay		
199	1219	A	21	H	4	93	191.23	D			100	15					*		20						50		15			Nannofossil ooze with diatoms, radiolarians, and clay		
199	1219	A	21	H	5	104	192.54	D			100	10					*		20						50		20			Nannofossil ooze with diatoms, radiolarians, and clay		
199	1219	A	21	H	6	56	193.56	D			100	10							20						55		15			Nannofossil ooze with diatoms, radiolarians, and clay		
199	1219	A	21	H	6	94	193.94	D			100	10							5						15		70			Radiolarian ooze with nannofossils and clay		
199	1219	A	21	H	6	143	194.43	D			100	10							5						65		20			Nannofossil ooze with radiolarians and clay		
199	1219	A	21	H	7	77	195.27	D			100	10							15						45		30			Radiolarian nanno ooze with diatoms and clay		
199	1219	A	21	H	8	40	195.90	D			100	20							35						20		25			Diatom ooze with radiolarians, nannofossils, and clay		
199	1219	A	22	H	1	89	196.89	M			100	30							7			*			10		52	1		Clayey radiolarian ooze with nannofossils		
199	1219	A	22	H	4	110	201.60	D			100	25							3						*		63	9		Clayey radiolarian ooze		
199	1219	A	22	H	6	40	203.90	D			100	35							5			*					52	8		Clayey radiolarian ooze		
199	1219	A	22	H	6	86	204.36	M			100	23							5						10		54	8		Radiolarian ooze with clay and nannofossils		
199	1219	A	23	H	2	20	207.20	M			100	34			2		*		*								55	9		Clayey radiolarian ooze		
199	1219	A	23	H	4	130	211.30	M			100	35			*				15					9		31	9	1		Radiolarian clay with diatoms		
199	1219	A	23	H	4	138	211.38	D			100	30							20					9		32	9			Clayey radiolarian ooze with diatoms		
199	1219	A	23	H	6	53	213.53	D			100	20														71	9			Radiolarian ooze with clay		
199	1219	A	24	H	1	47	215.47	M			100	23												5		70	2			Radiolarian ooze with clay		
199	1219	A	24	H	2	97	217.47	D			100	20					*									78	2			Clayey radiolarian ooze		
199	1219	A	24	H	4	47	219.97	M			100	8														90	2			Porcellanite concretion		
199	1219	A	24	H	4	110	220.60	D			100	8												15		75	2			Radiolarian ooze with nannofossils		
199	1219	A	25	X	2	50	226.50	D			100	5							5			*				86	4			Radiolarite		
199	1219	A	26	X	1	10	234.20	D			100	45			10			38							7				*	Zeolitic clay with iron oxides		
199	1219	A	26	X	1	40	234.50	D			100	20			*										80					Nannofossil chalk with clay		
199	1219	A	26	X	1	142	235.52	D			100	82	7		*										11					Carbonate chalk		
199	1219	A	26	X	2	78	236.38	D			100	70	20		*										10					Carbonate chalk with clay		

Sample									Texture			Mineral							Biogenic							Comments				
	Leg	Site	Hole	Core	Coretype	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Calcite (30)	Clay Mineral (47)	Clinoptilolite (48)	Fe Oxide (68)	Opagues (140)	Volcanic Glass (81)	Zeolite (222)	Coccolith (51)	Diatoms (58)	Discoaster (61)	Fish Remains (74)	Foraminifers (78)	Nannofossils (132)		Planktonic Forams (160)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)
Hole A (continued)																														
199	1219	A	27	X	1	21	243.91	D			100	65	5		*										30					Nannofossil carbonate chalk
199	1219	A	27	X	CC	4	244.56	D			100	80	9		2										9					Carbonate chalk
Hole B																														
199	1219	B	2	H	2	110	23.51	D			100		20		5		2			2							71			Radiolarian ooze with clay
199	1219	B	2	H	7	58	30.49	D			100	2	10		2		1			*					70	15				Nannofossil ooze with radiolarians and clay
199	1219	B	4	H	2	80	42.30	D			100	1	20		3					1					60	15				Nannofossil ooze with clay and radiolarians
199	1219	B	4	H	3	12	43.12	D			100		15		5		*			*					25	55				Nannofossil radiolarian ooze with clay
199	1219	B	5	H	1	130	50.80	D			100	30	10		5				35	*	10					5	5	*		Calcareous nannofossil ooze with clay
199	1219	B	5	H	3	80	53.30	D			100	15	25		5				5	10	5					30	5			Clayey radiolarian ooze with calcite and diatoms
199	1219	B	5	H	3	140	53.90	M			100	10	10		15		5	30	30	*	30						*			Nannofossil ooze with Fe-oxides, calcite, and clay
199	1219	B	6	H	2	140	61.90	D			100	5	30		*					5					50	5	5			Clayey nannofossil ooze
199	1219	B	6	H	4	60	64.10	D			100		30		5					15					20	*	25	5	*	Radiolarian clay with nannofossils and diatoms
199	1219	B	7	H	2	105	71.05	M			100		5							20					50	20	5			Nannofossil ooze with diatoms and radiolarians
199	1219	B	8	H	1	60	78.60	D			100		5							10					75	10	*			Nannofossil ooze with diatoms and radiolarians
199	1219	B	8	H	6	34	85.84	D			100		5							20					65	10	*			Nannofossil ooze with diatoms and radiolarians
199	1219	B	11	H	4	140	112.40	D			100					1									98		1			Nannofossil ooze
199	1219	B	11	H	6	50	114.50	D			100					7				2					59	*	30	2		Radiolarian nannofossil ooze