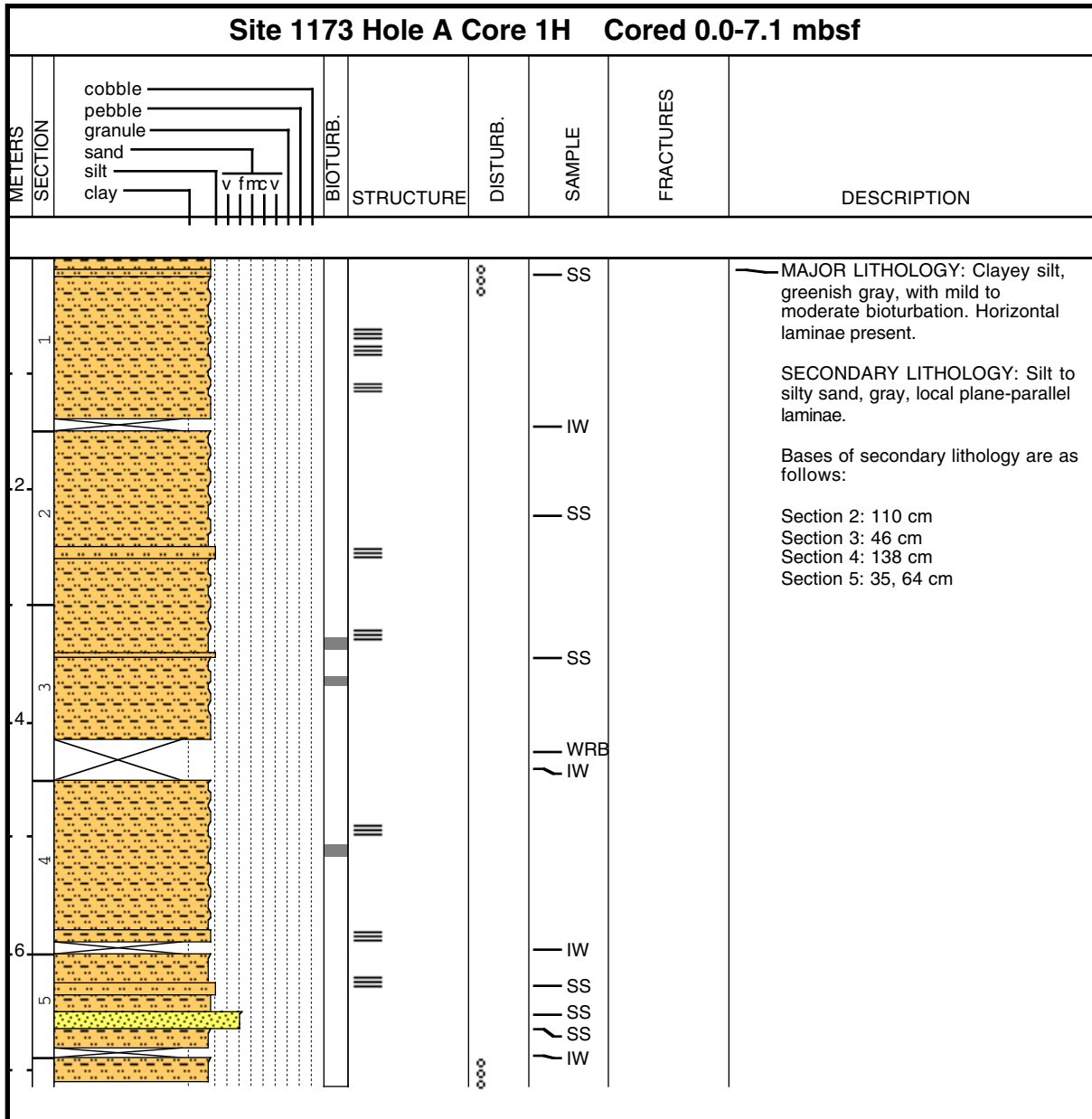
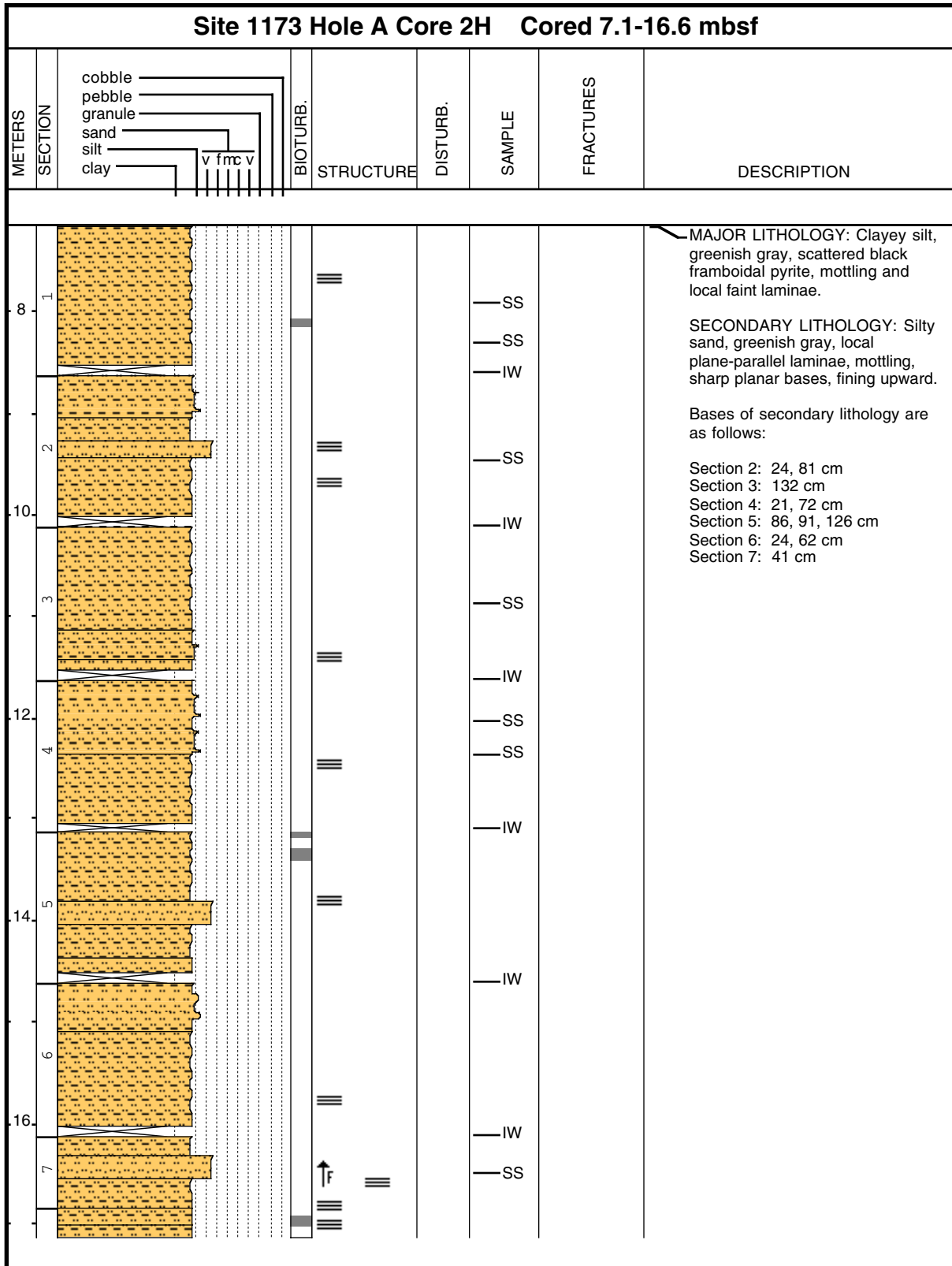


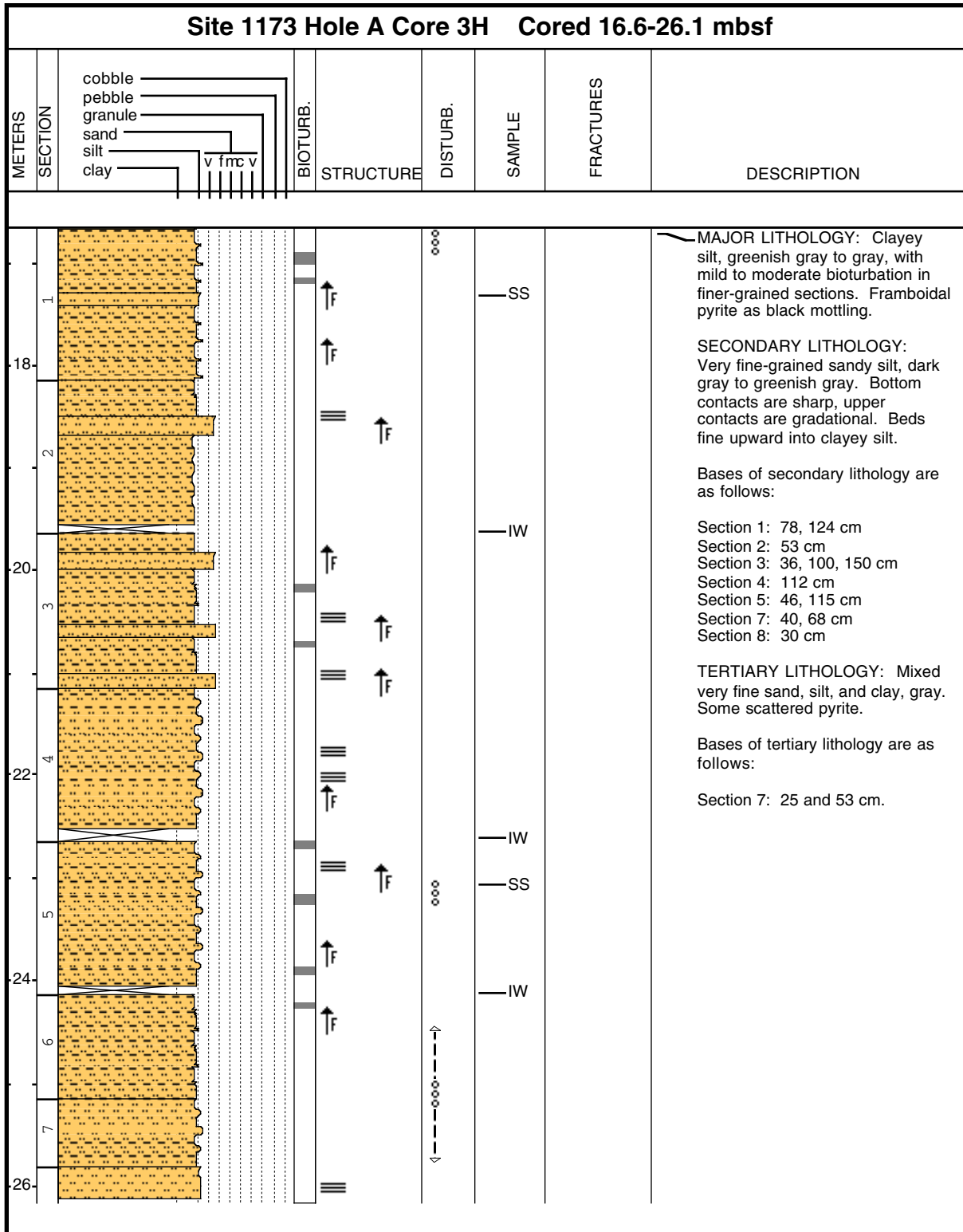
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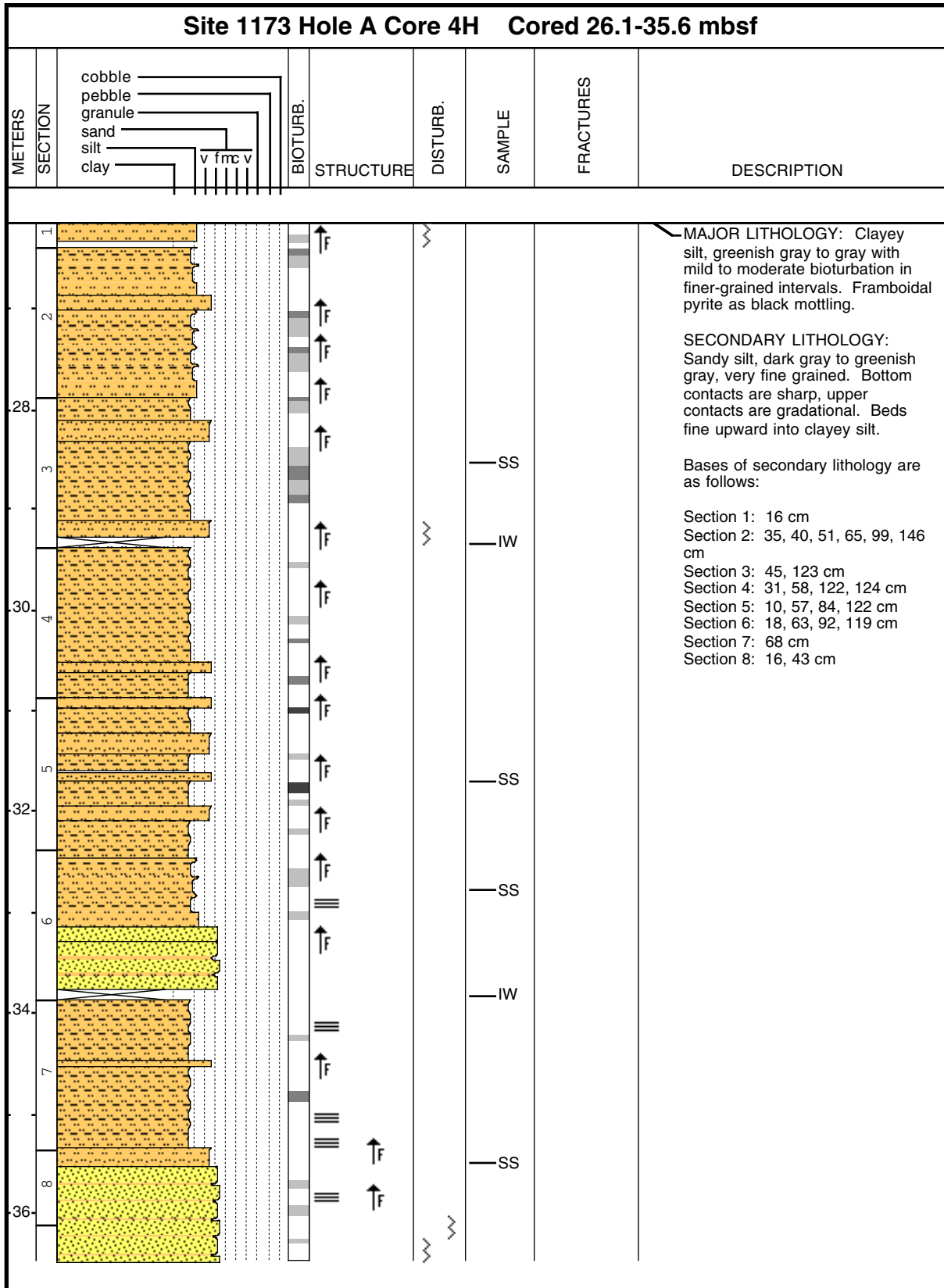
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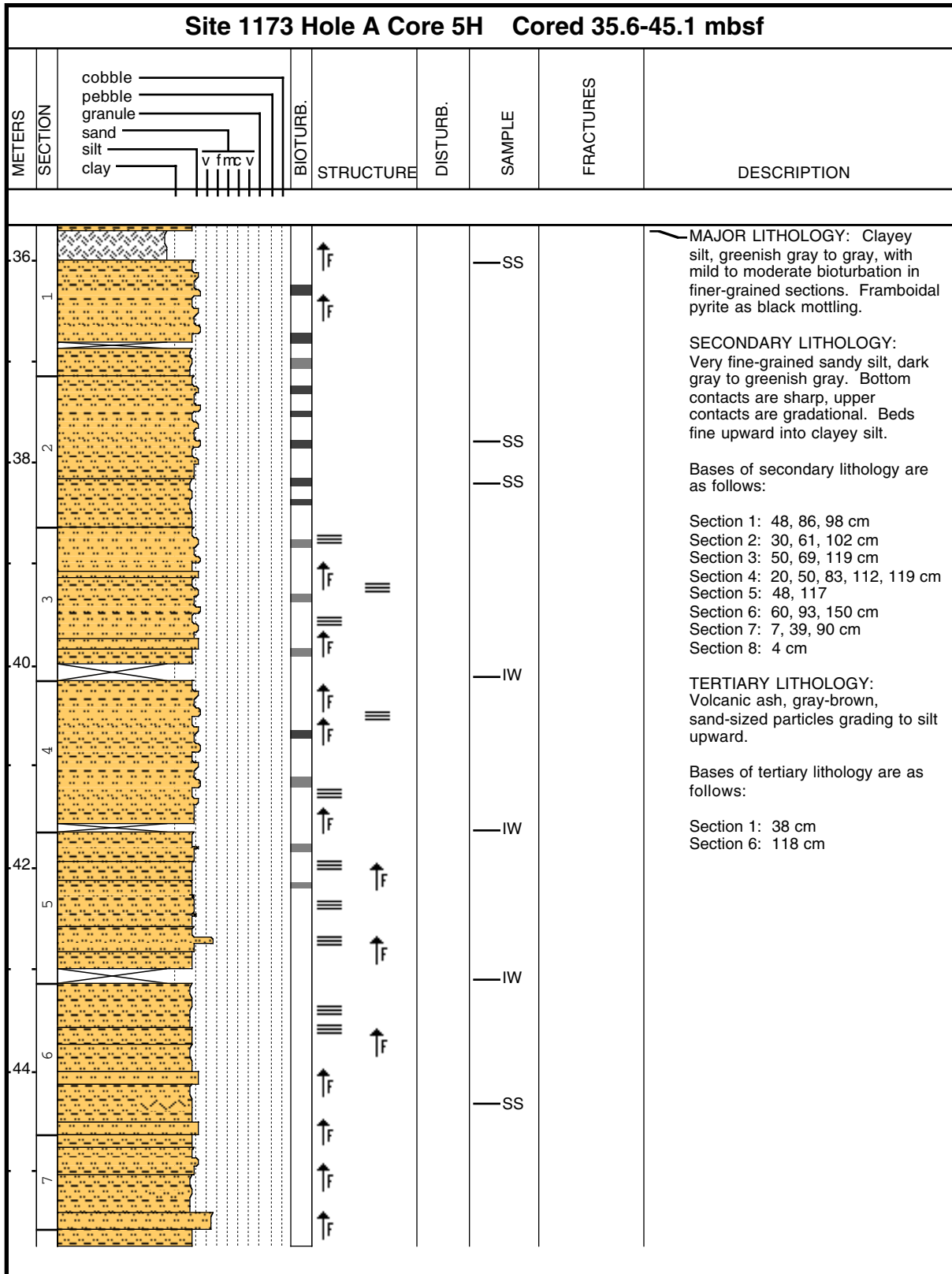
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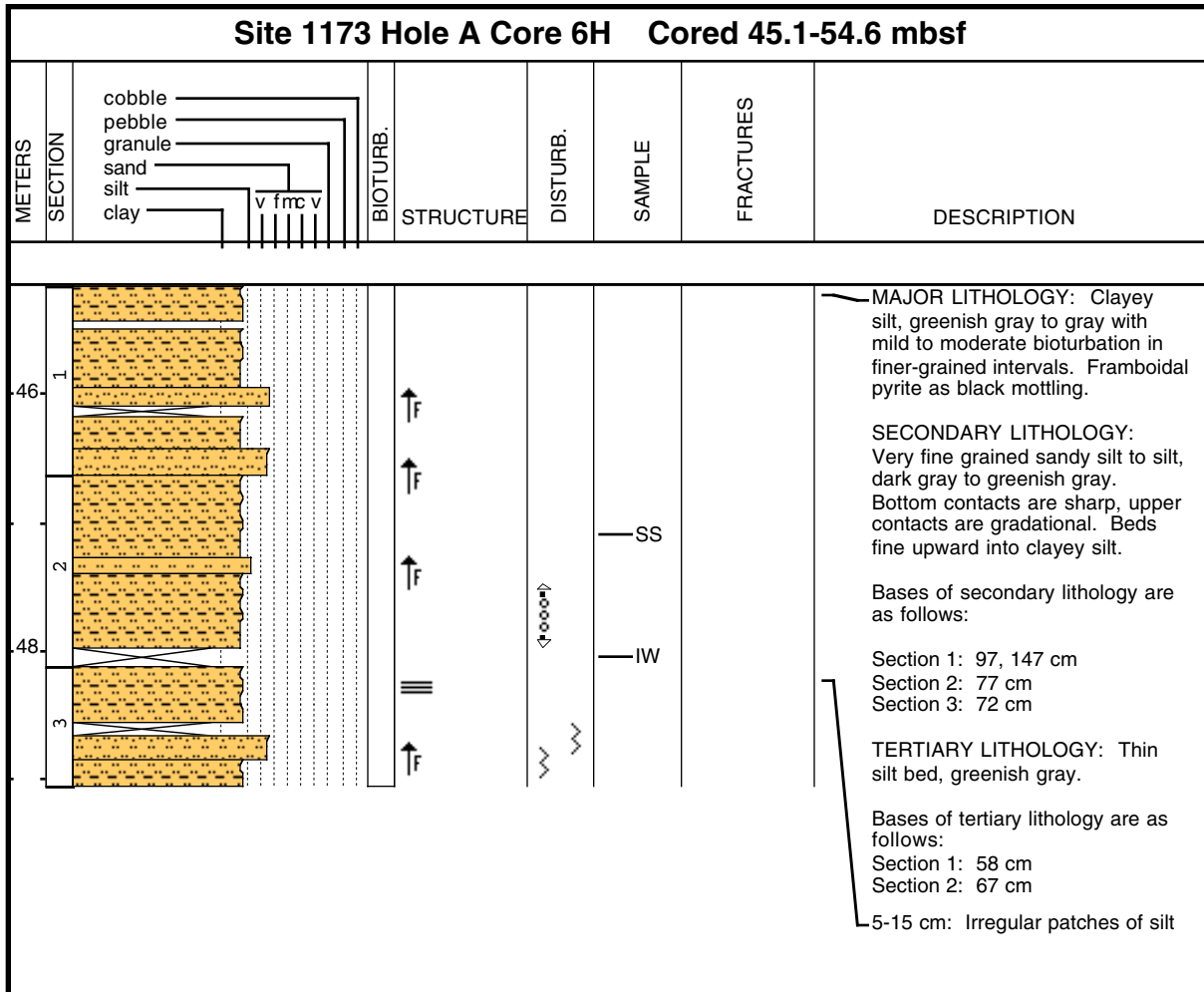
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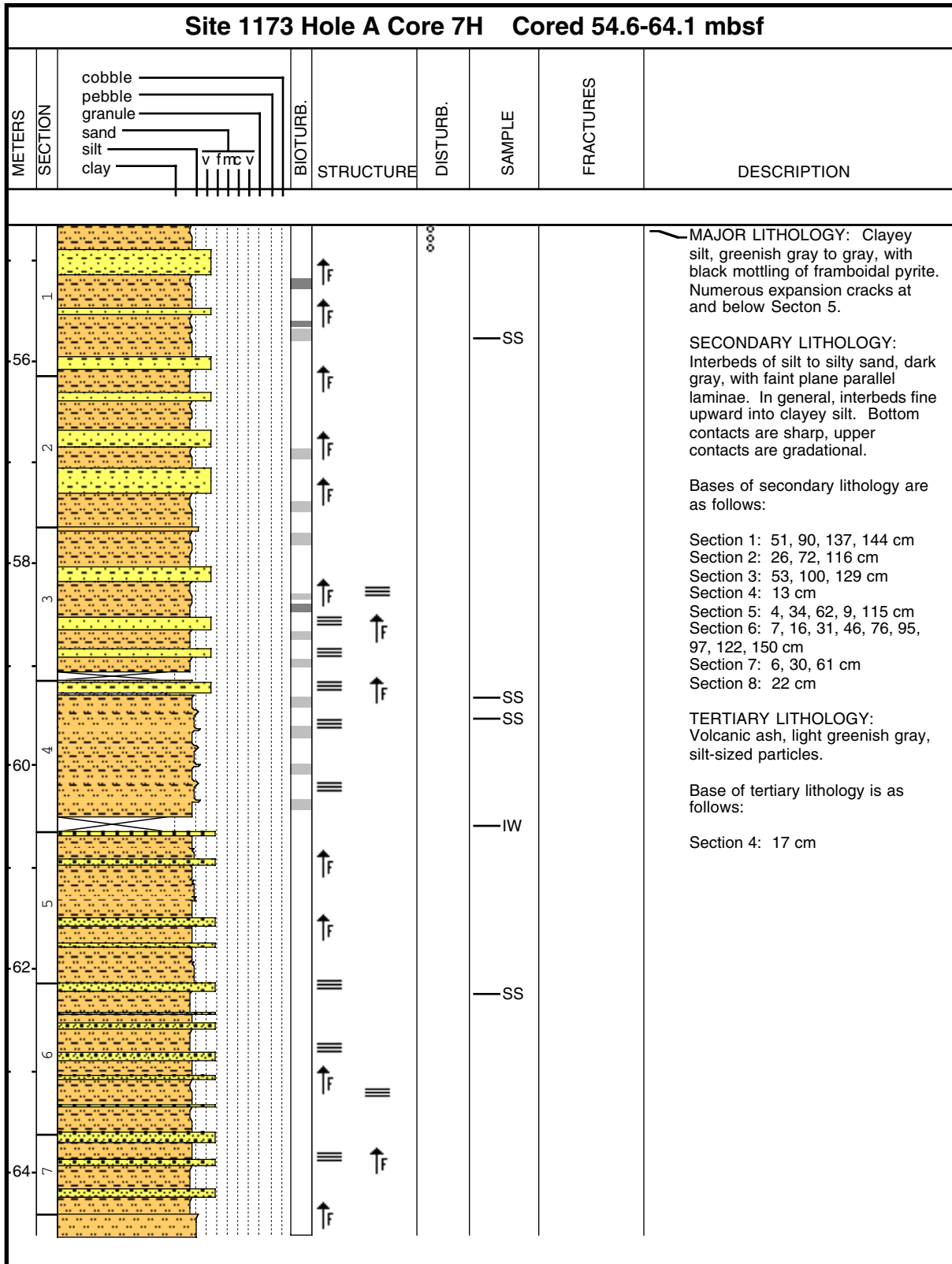
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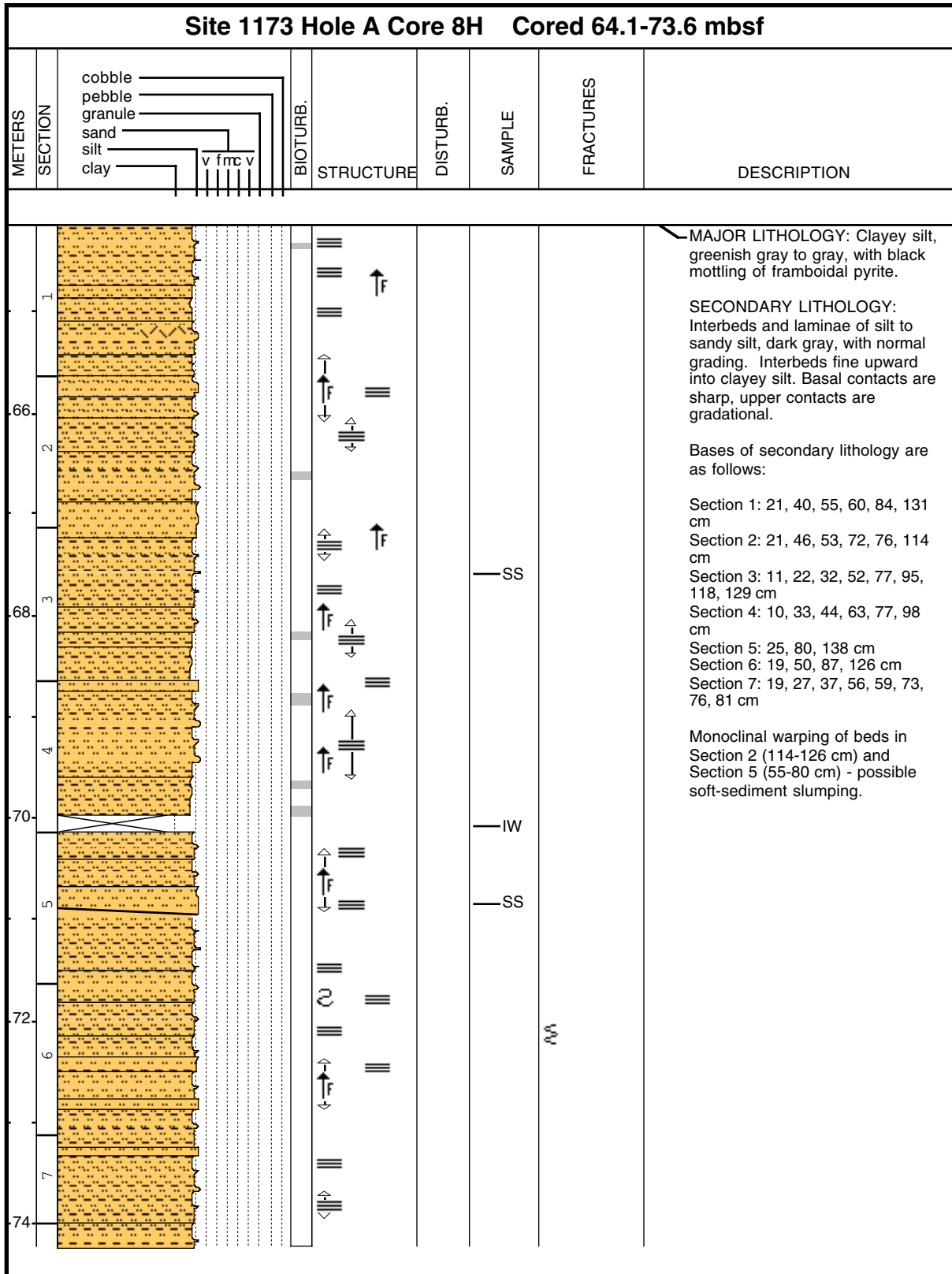
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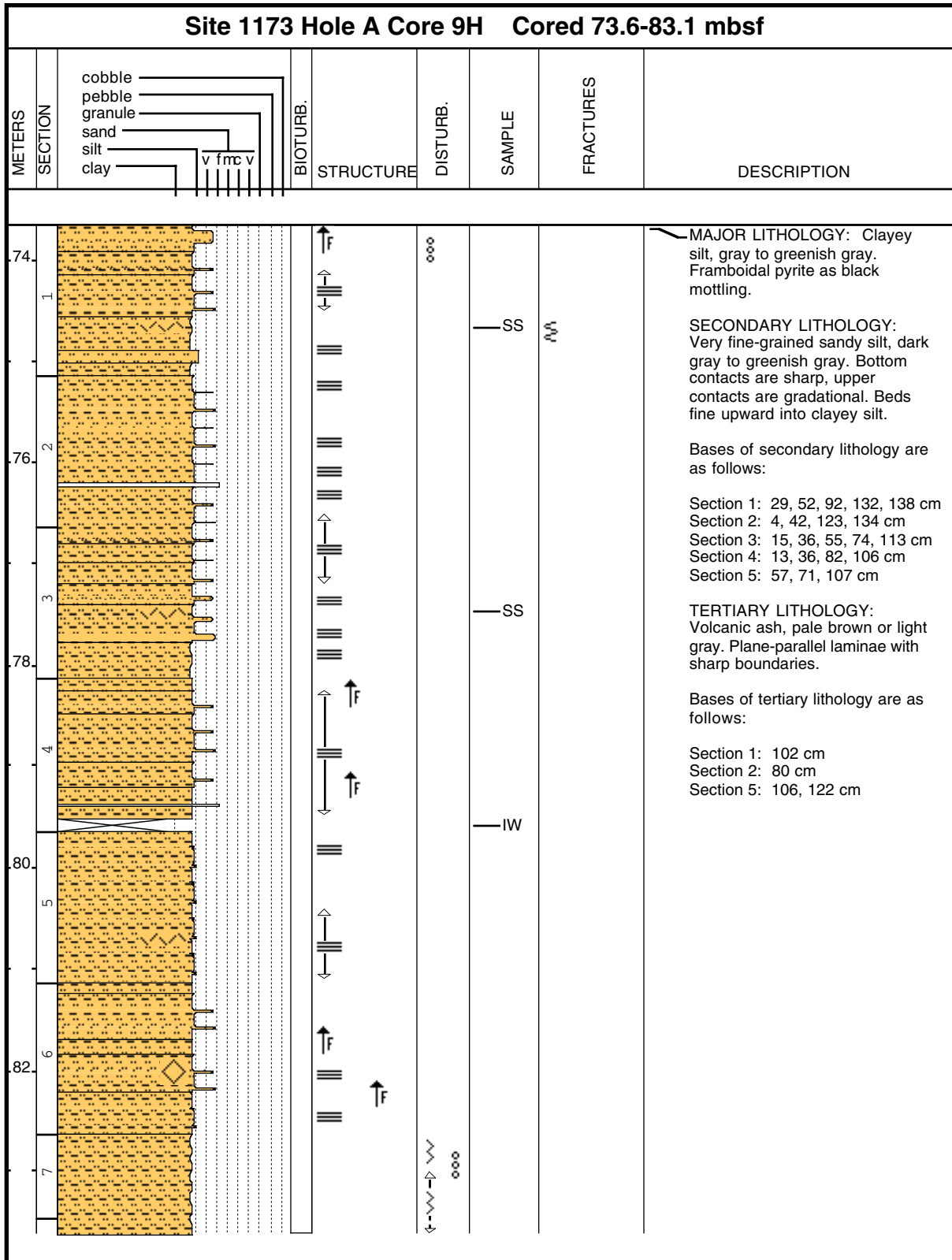
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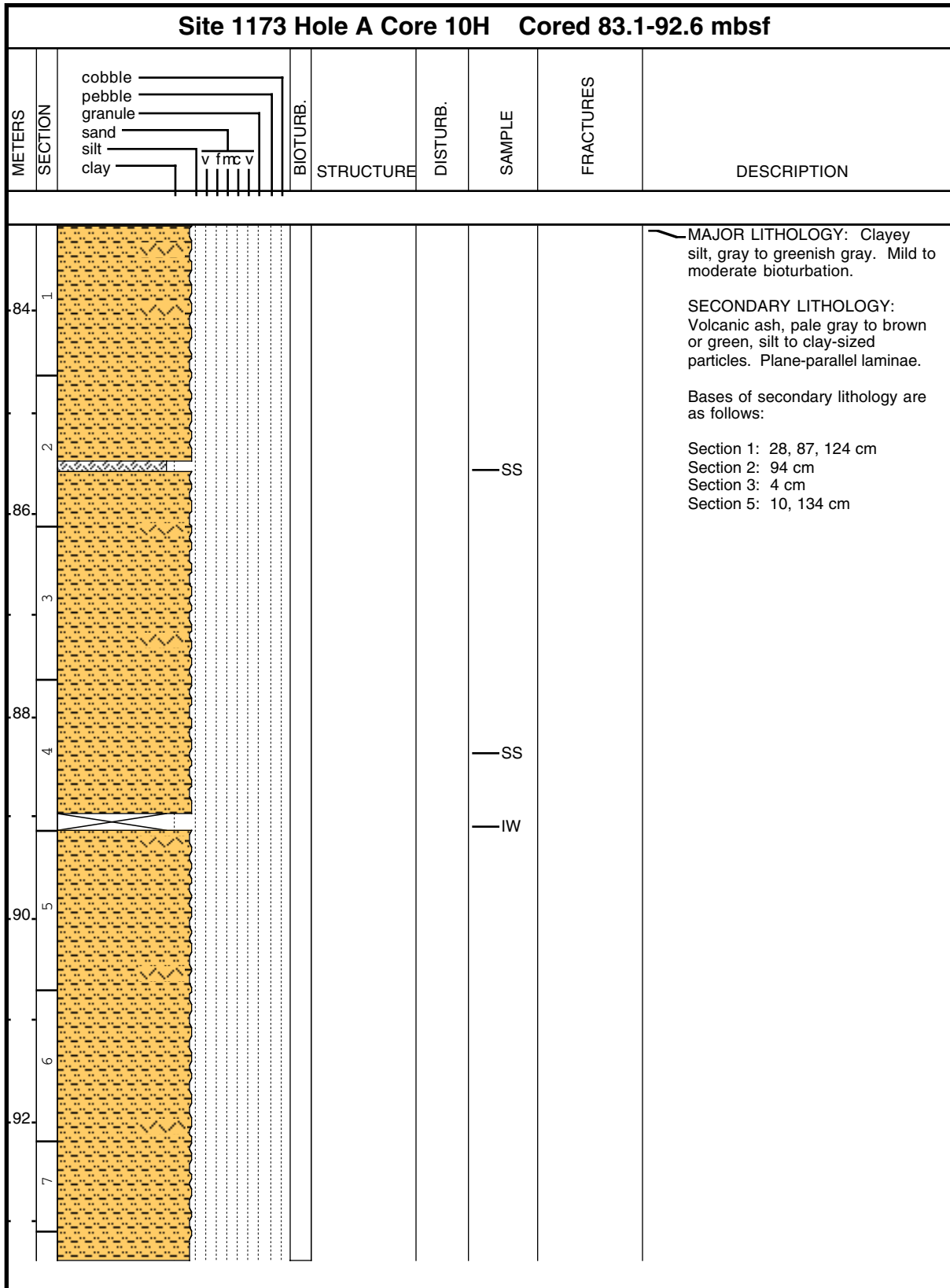
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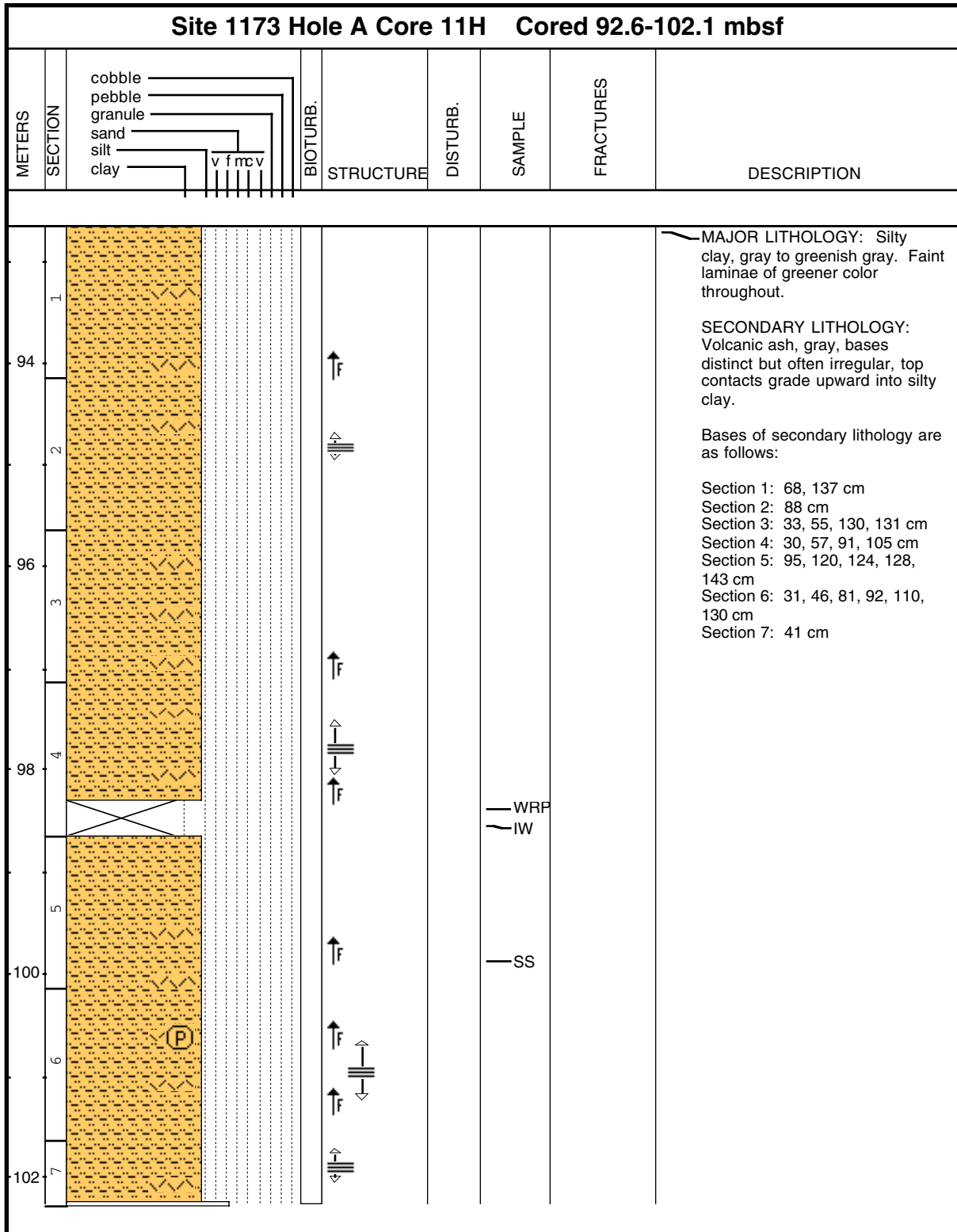
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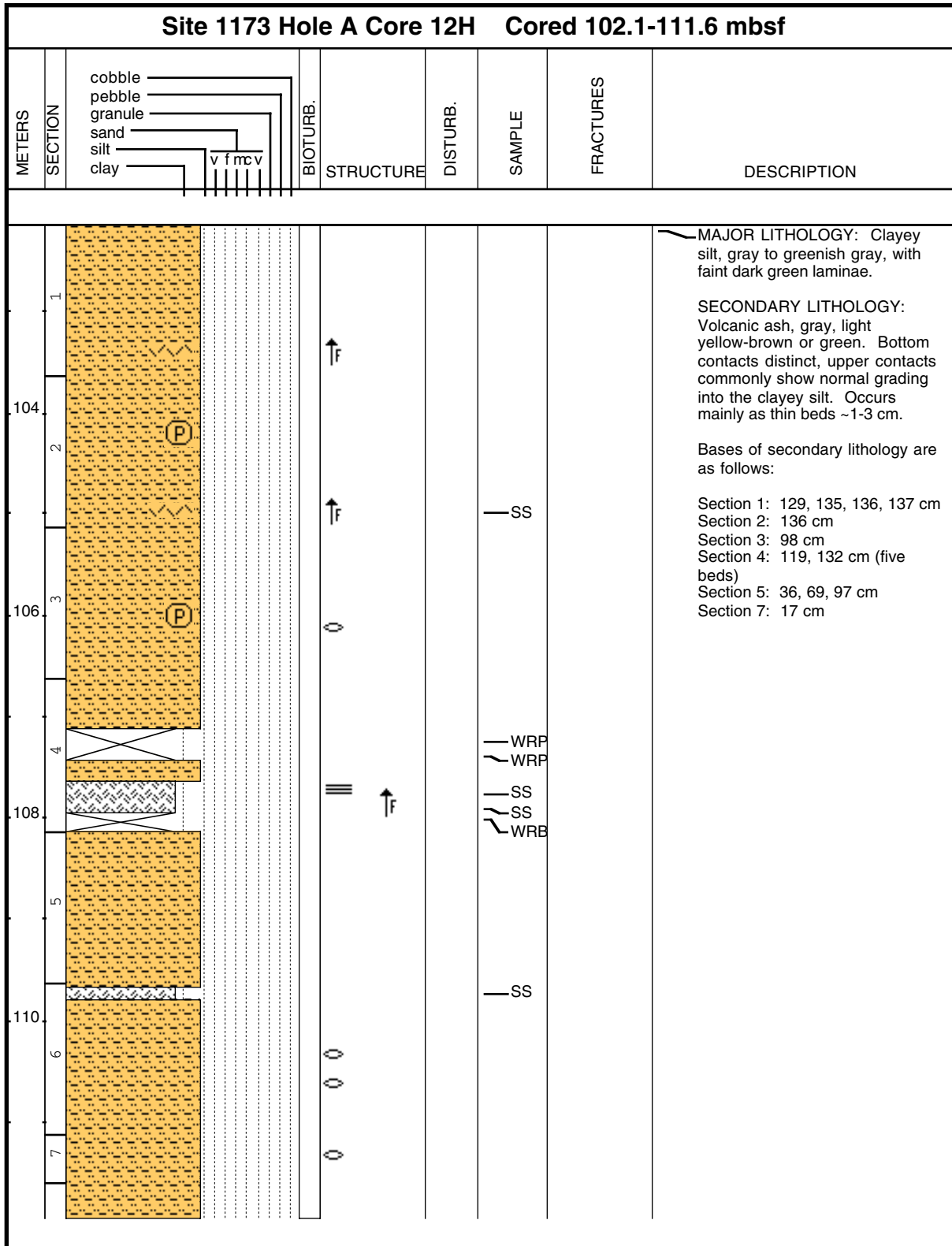
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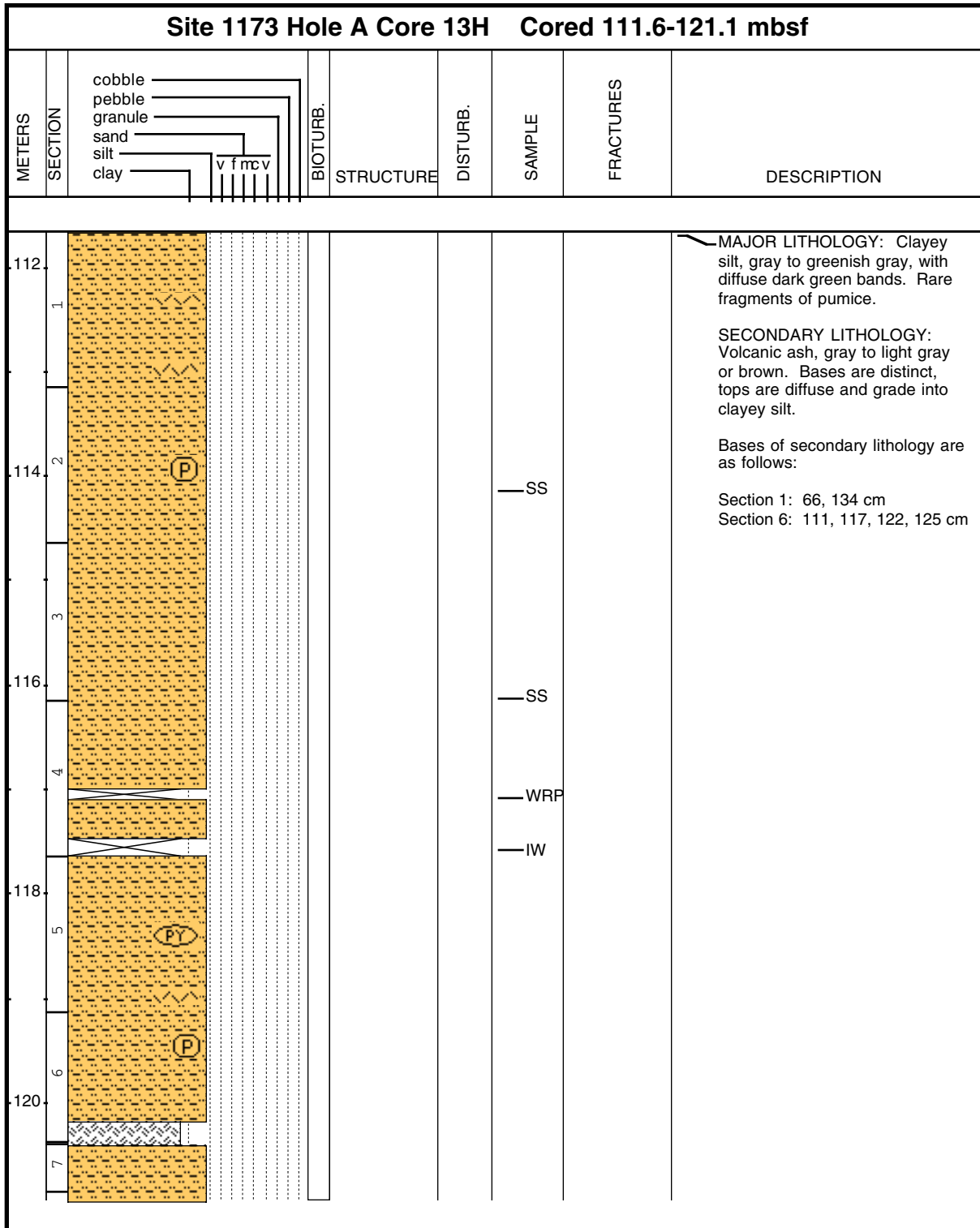
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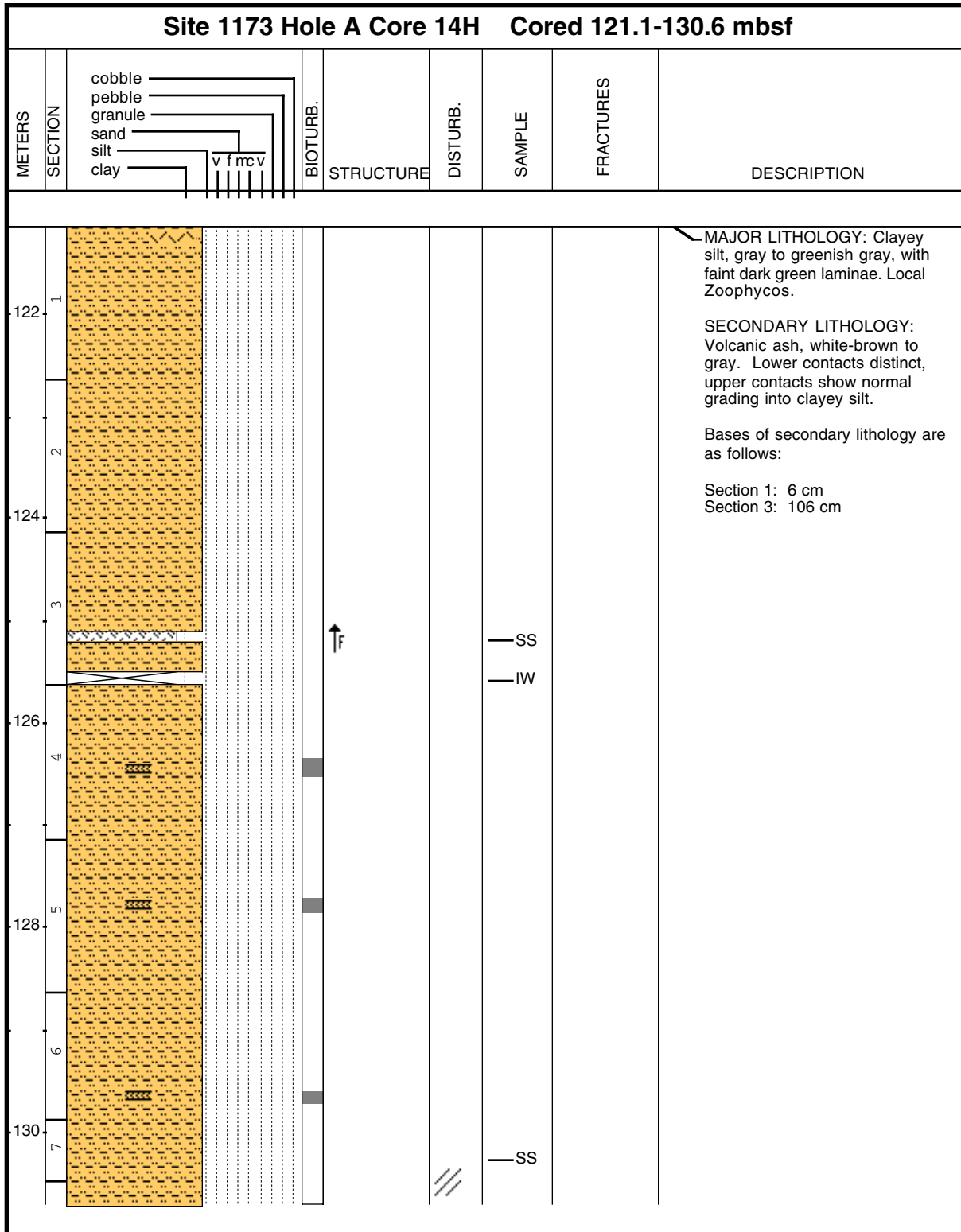
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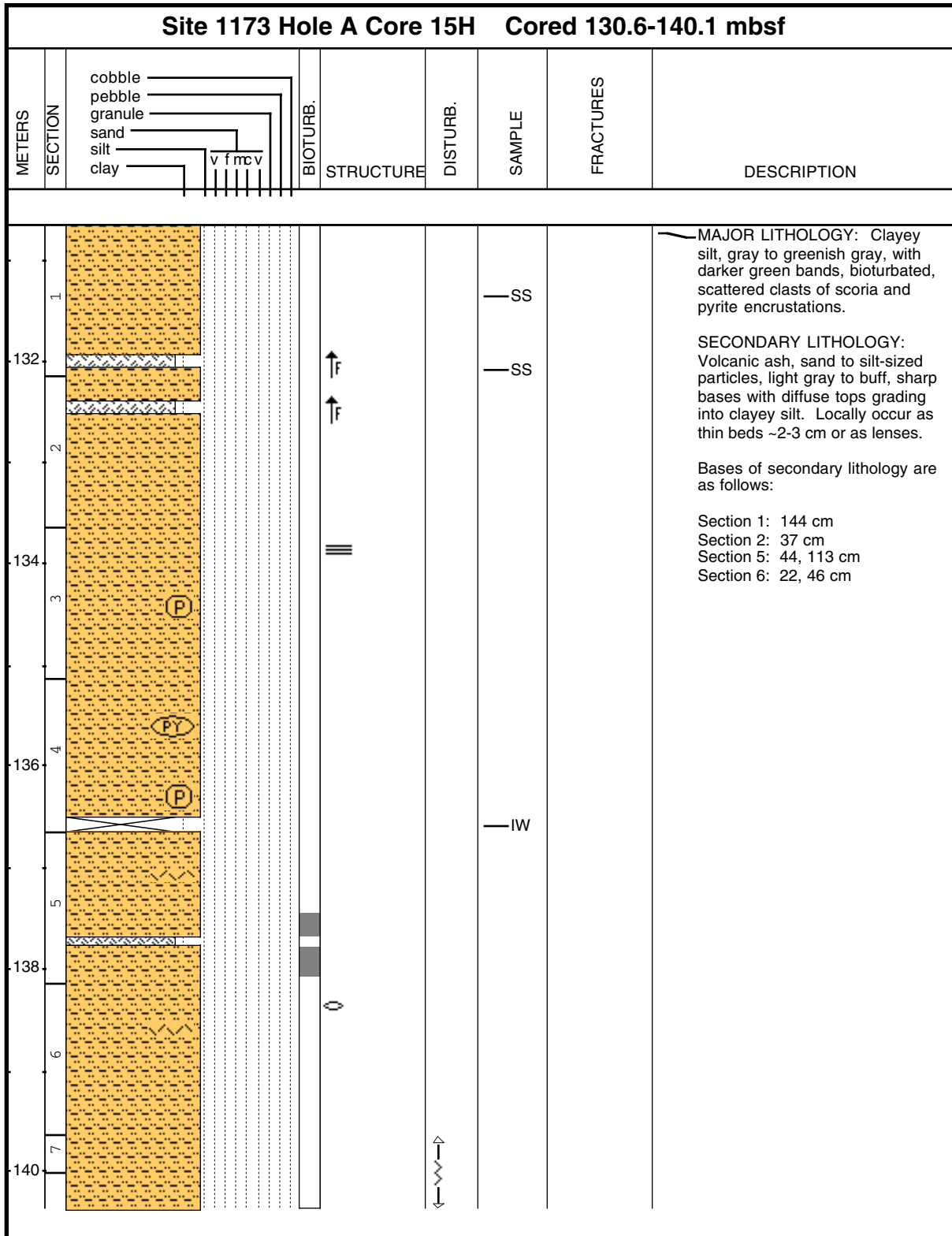
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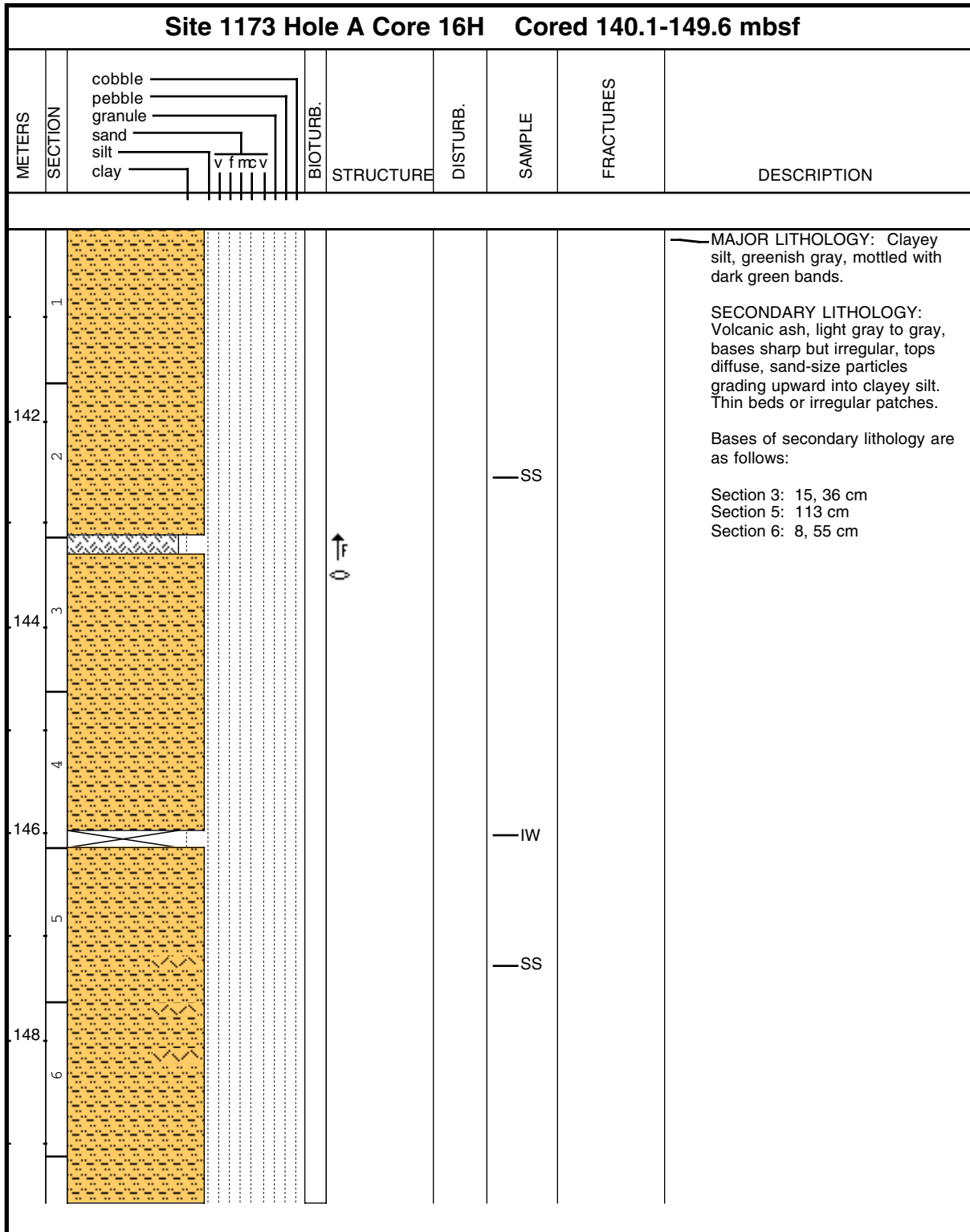
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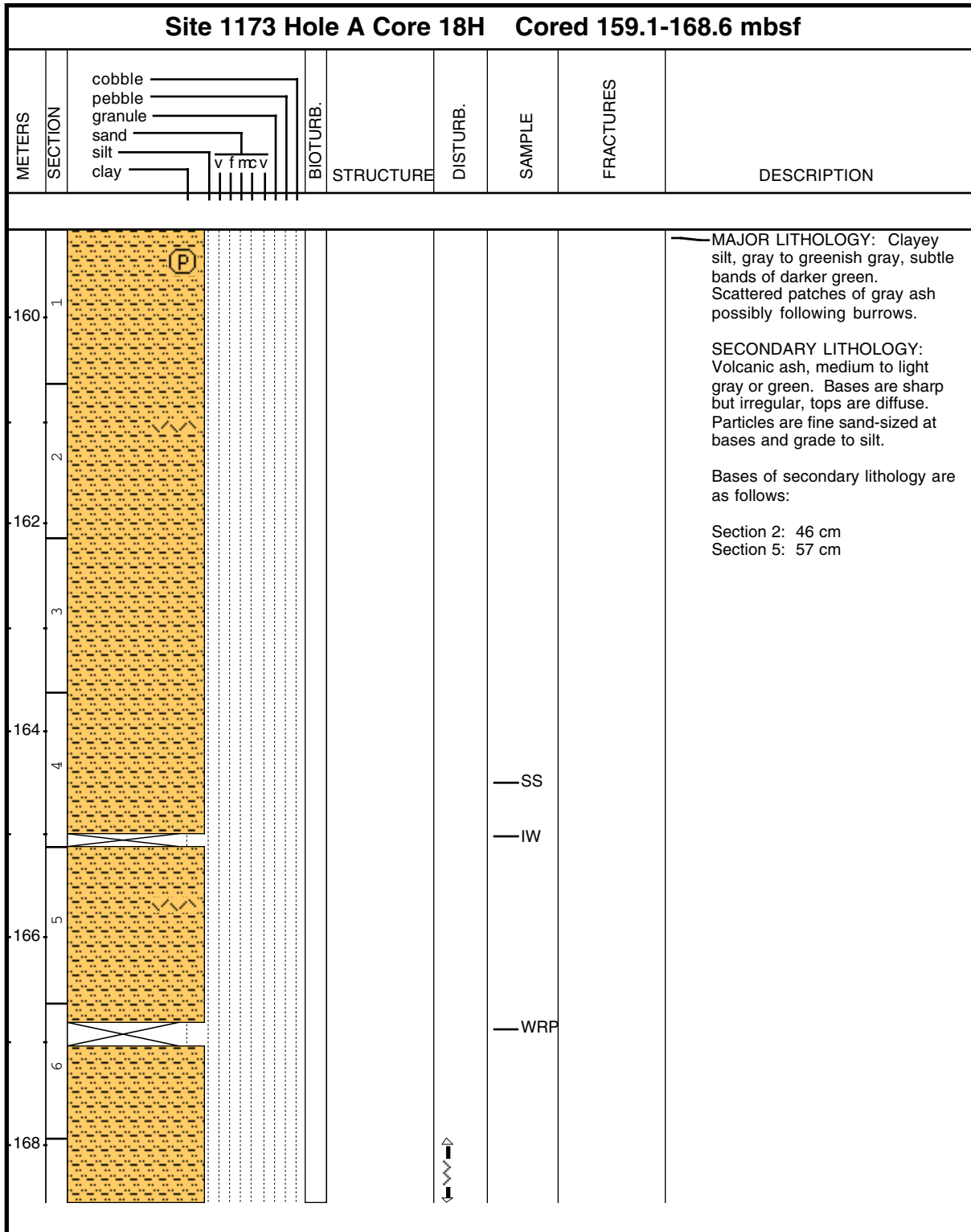
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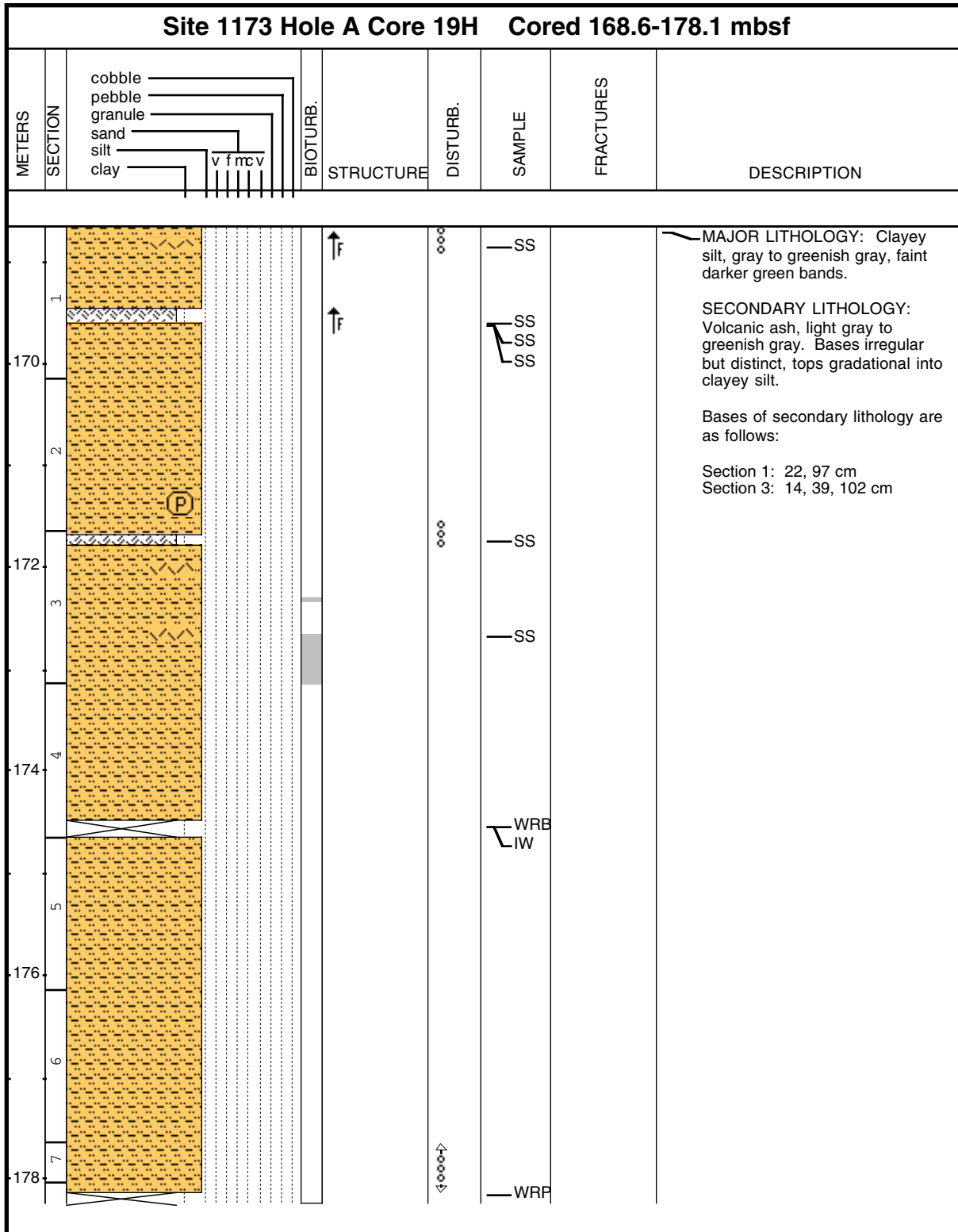
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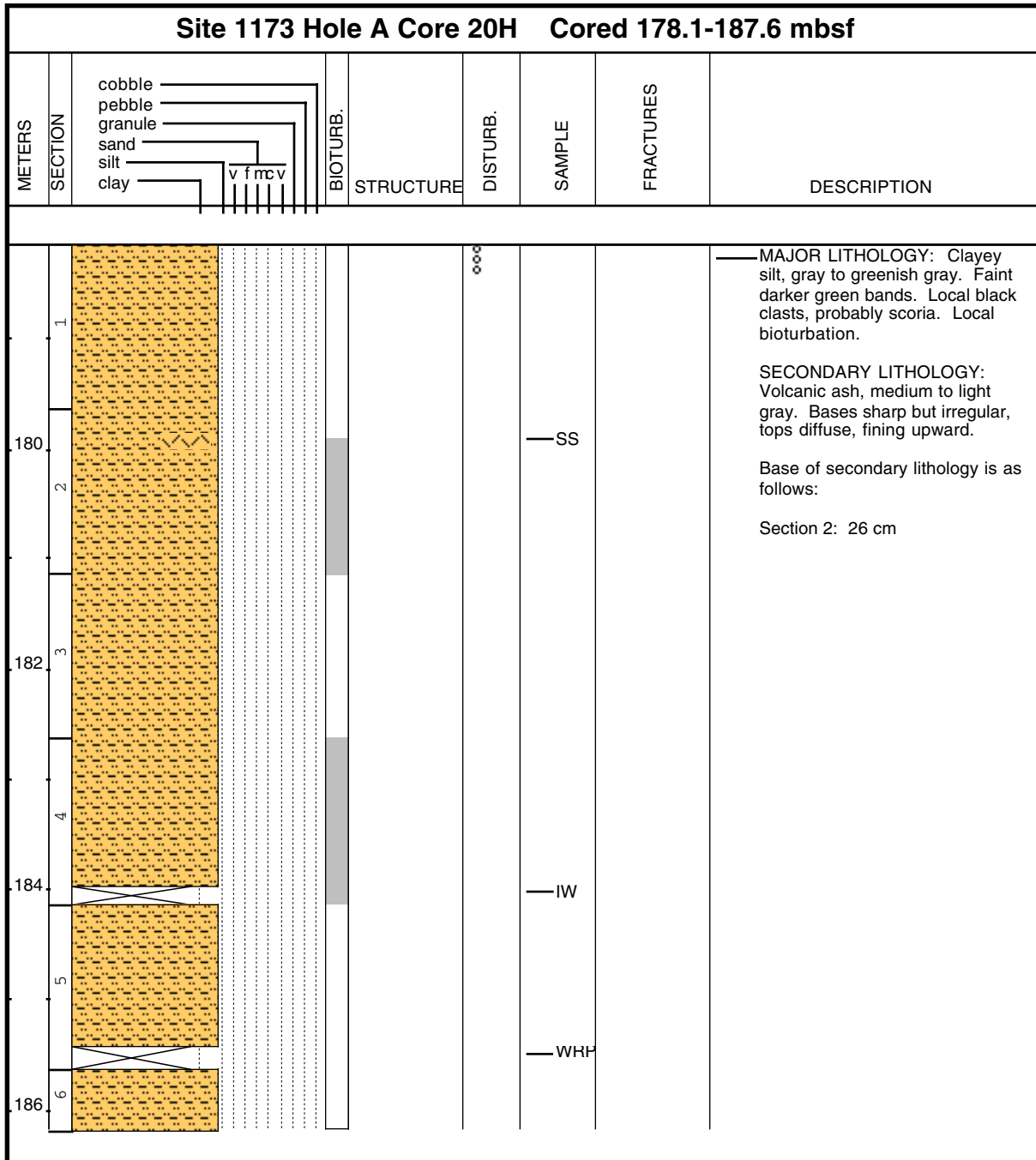
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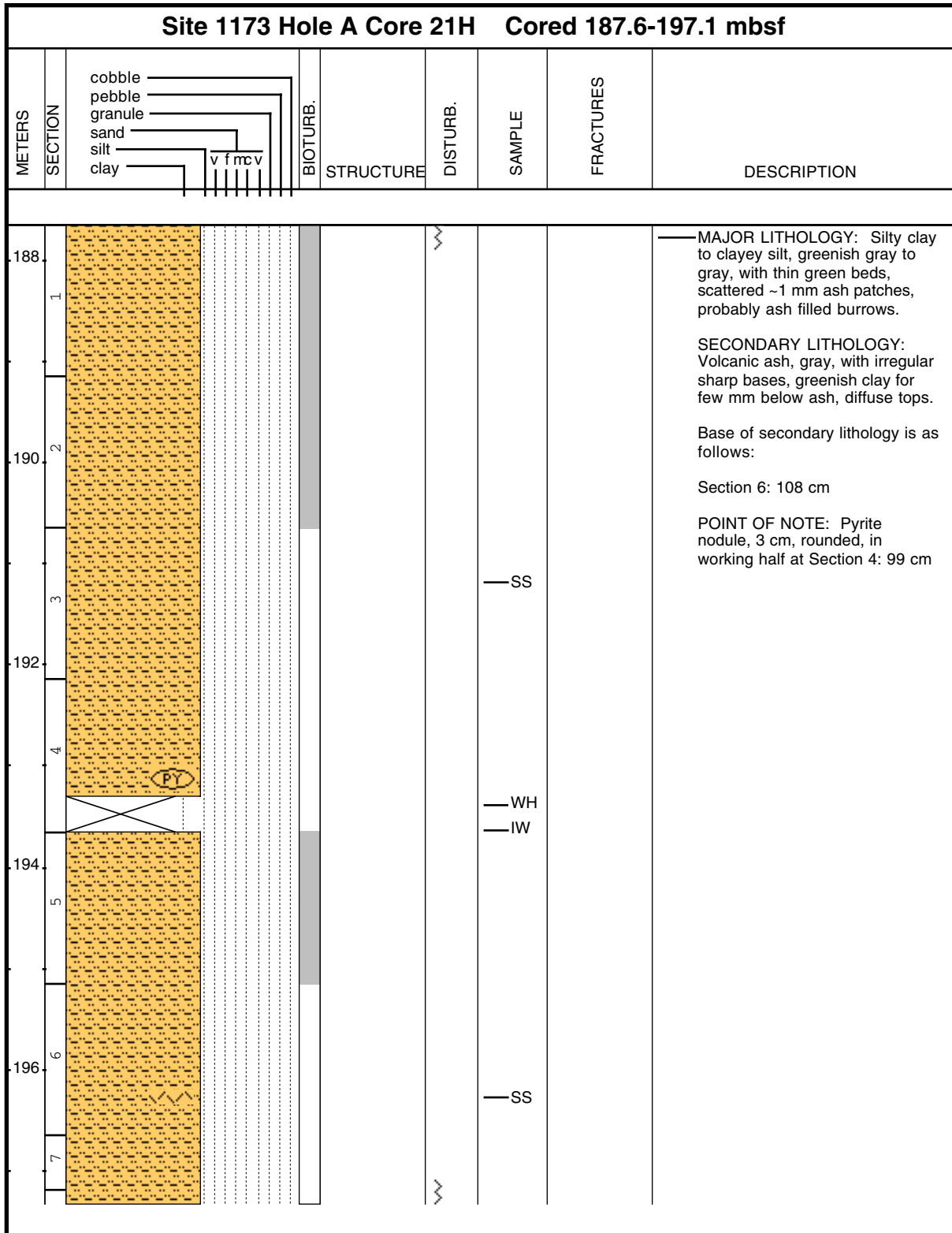
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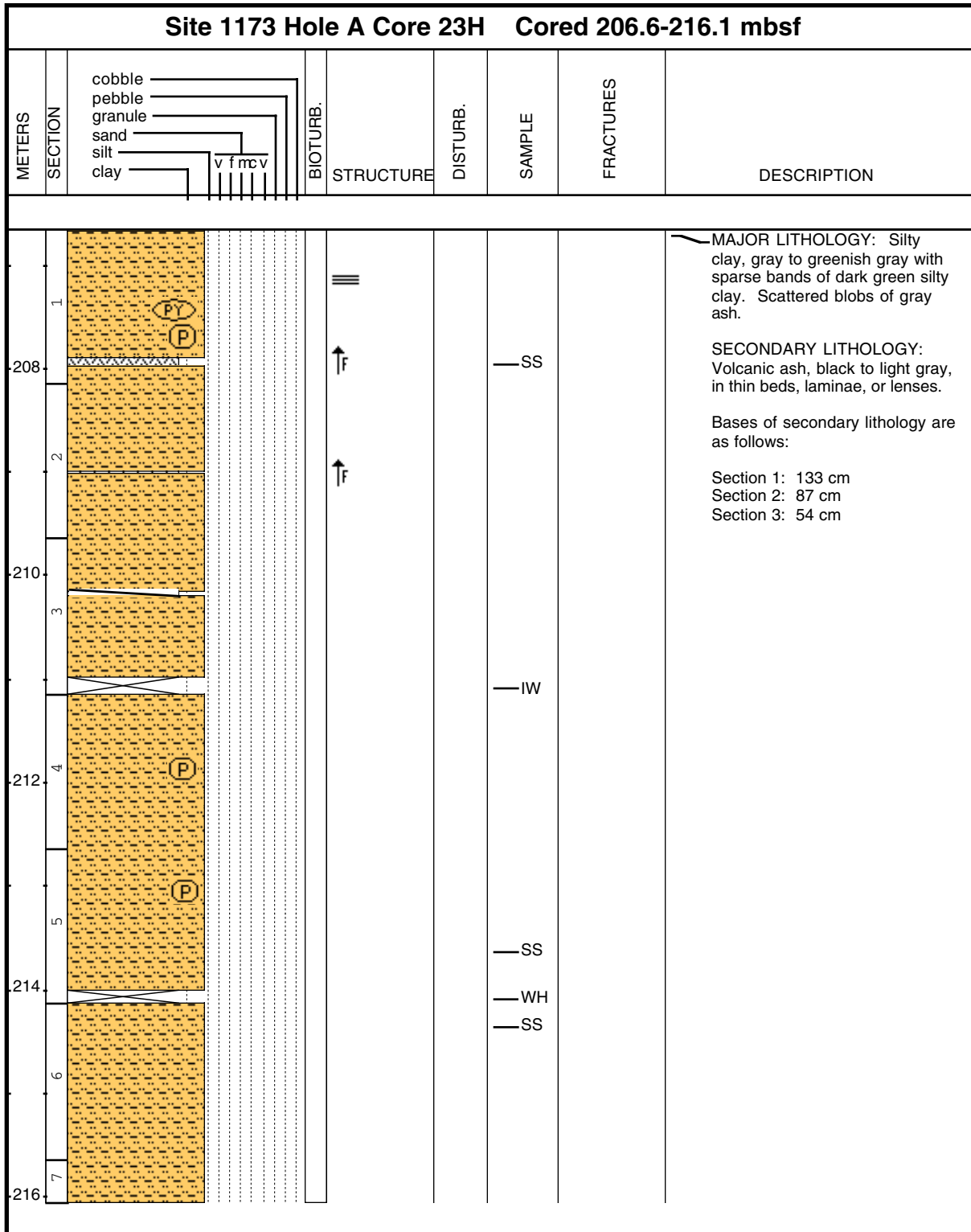
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Core Photo



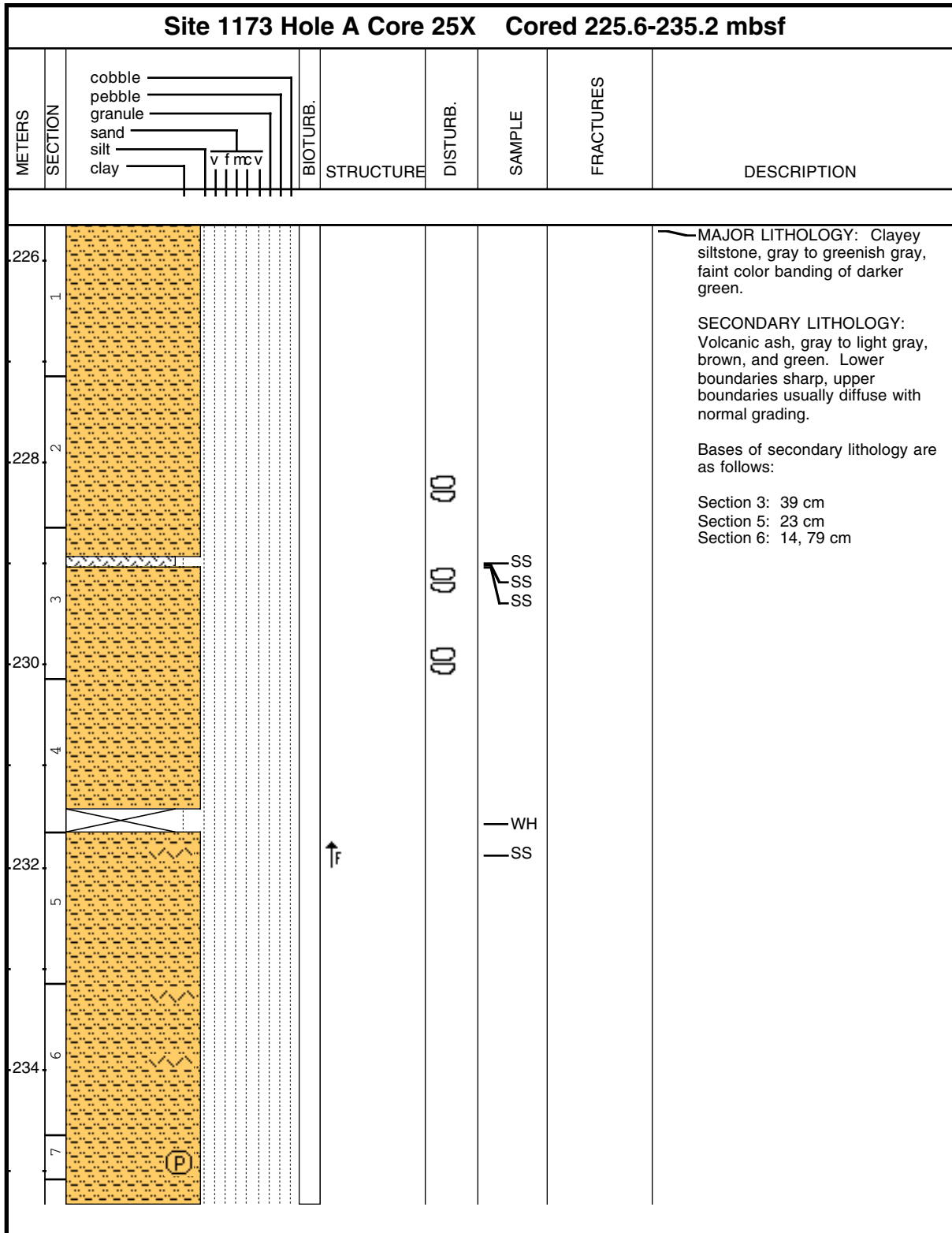
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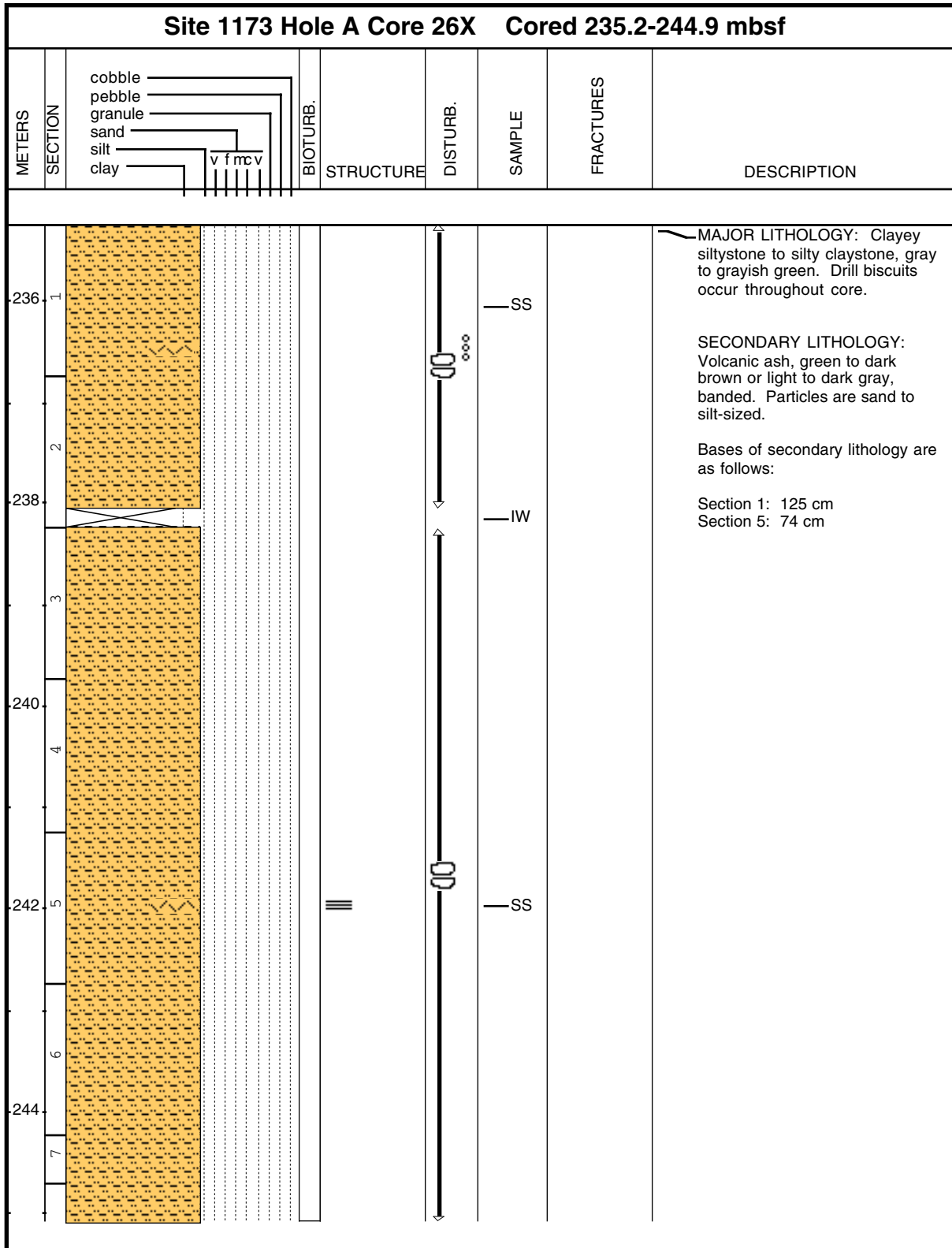
Core Photo

Site 1173 Hole A Core 24H Cored 216.1-225.6 mbsf								
METERS	SECTION	cobble pebble granule sand silt clay	BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
1						SS		<p>MAJOR LITHOLOGY: Clayey silt, greenish gray, mottled with sparse bands of dark green silty clay ~1 cm.</p> <p>SECONDARY LITHOLOGY: Volcanic ash, green to gray to light gray, in bands with diffuse tops and bases. Particles in the centers of bands are sand-sized and fine to clayey silt toward tops and bases.</p> <p>Bases of secondary lithology are as follows:</p> <p>Section 3: 62, 110 cm</p> <p>Lense of gray ash at 10 cm.</p>
218	2	(P)				WH		
						WH		
220	3					SS		
222	4							
224	5					IW		
	6							
	7							

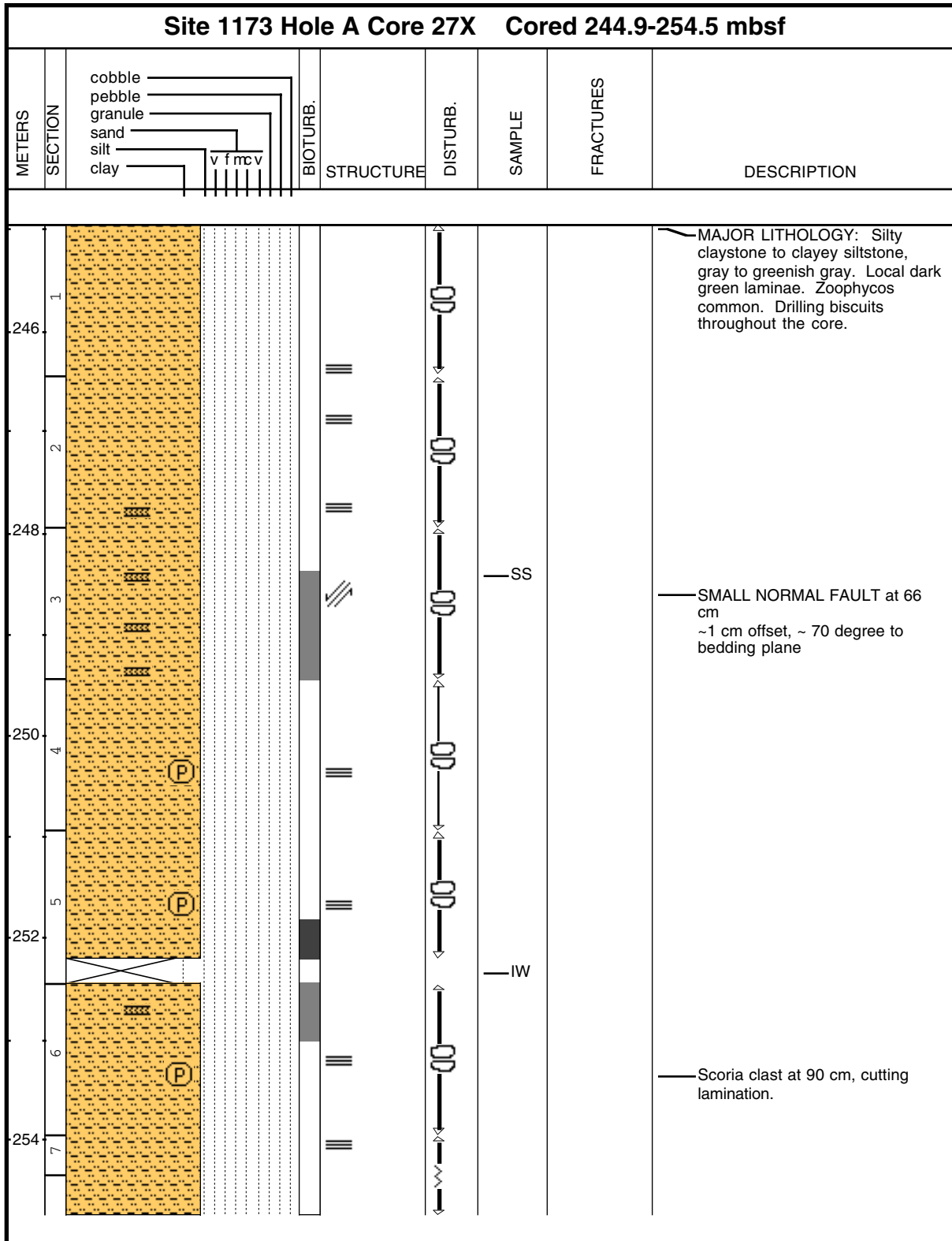
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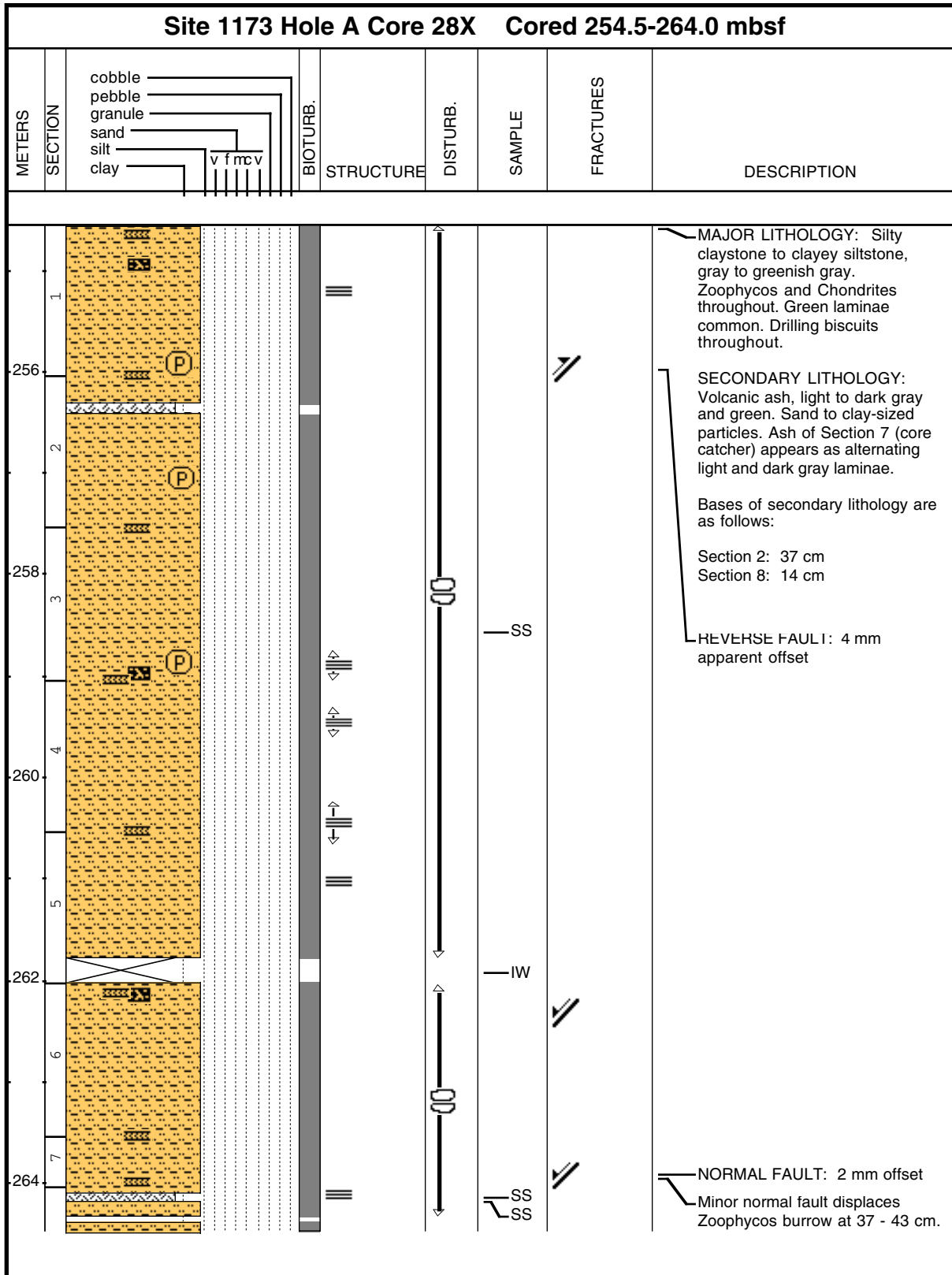
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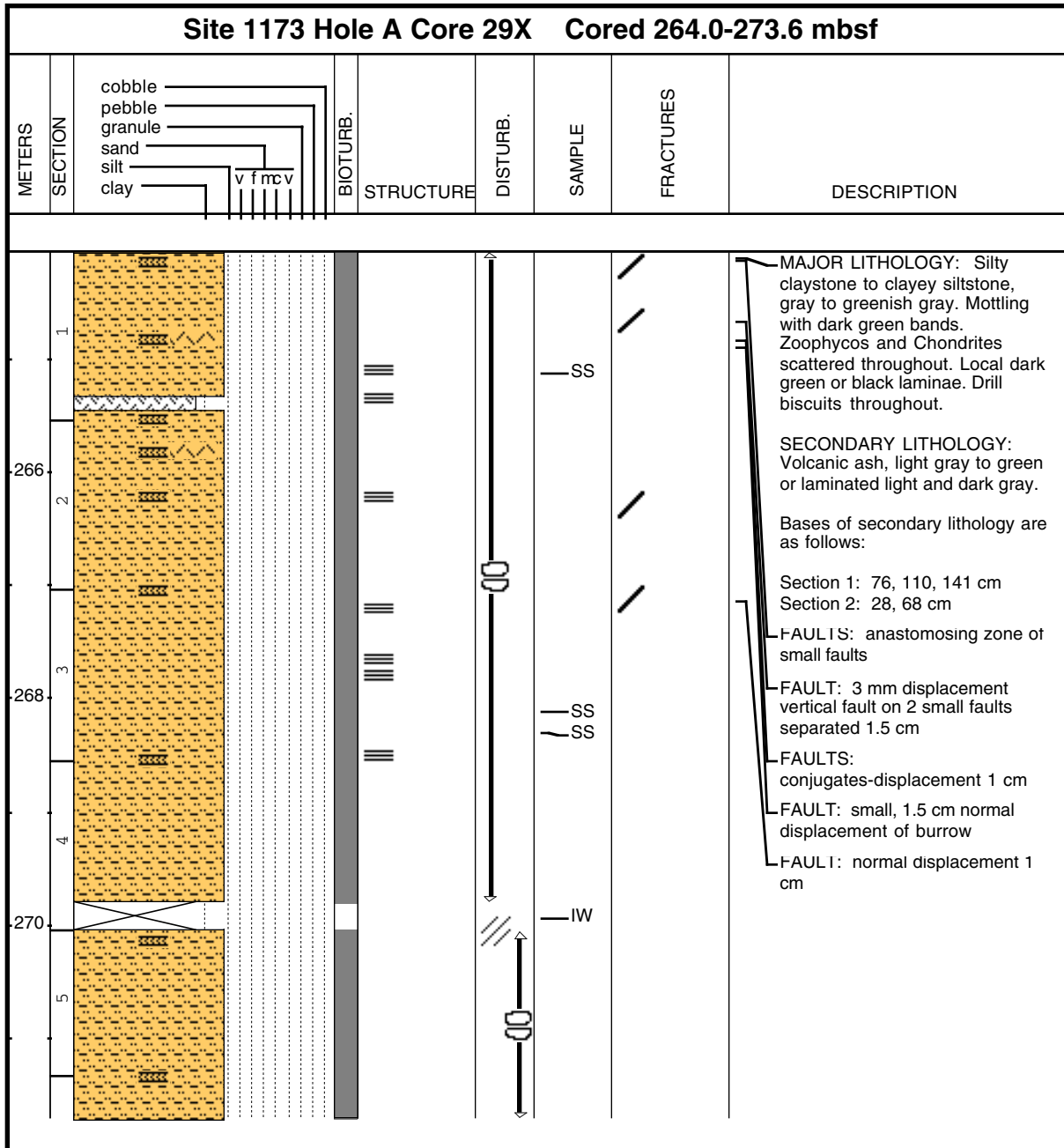
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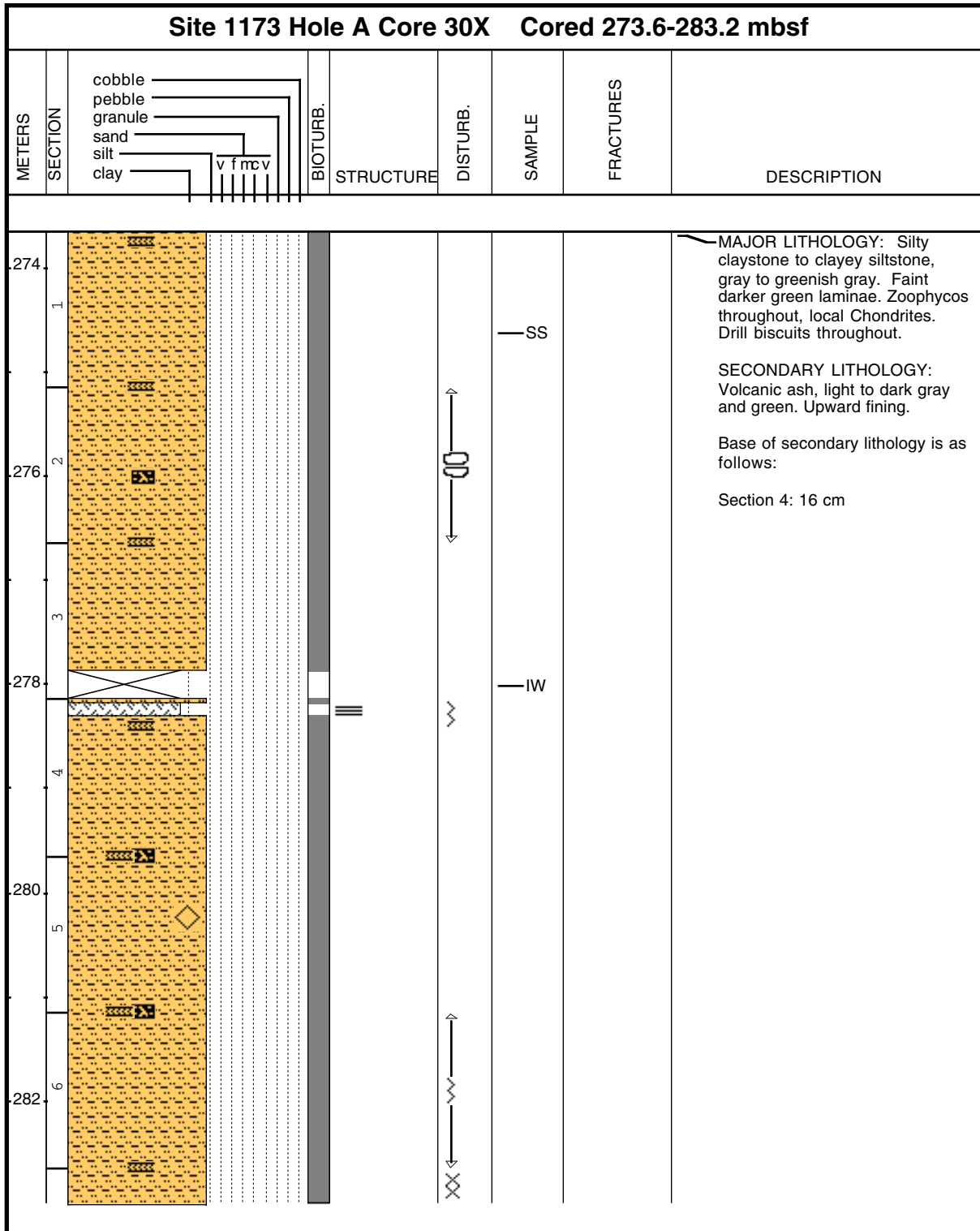
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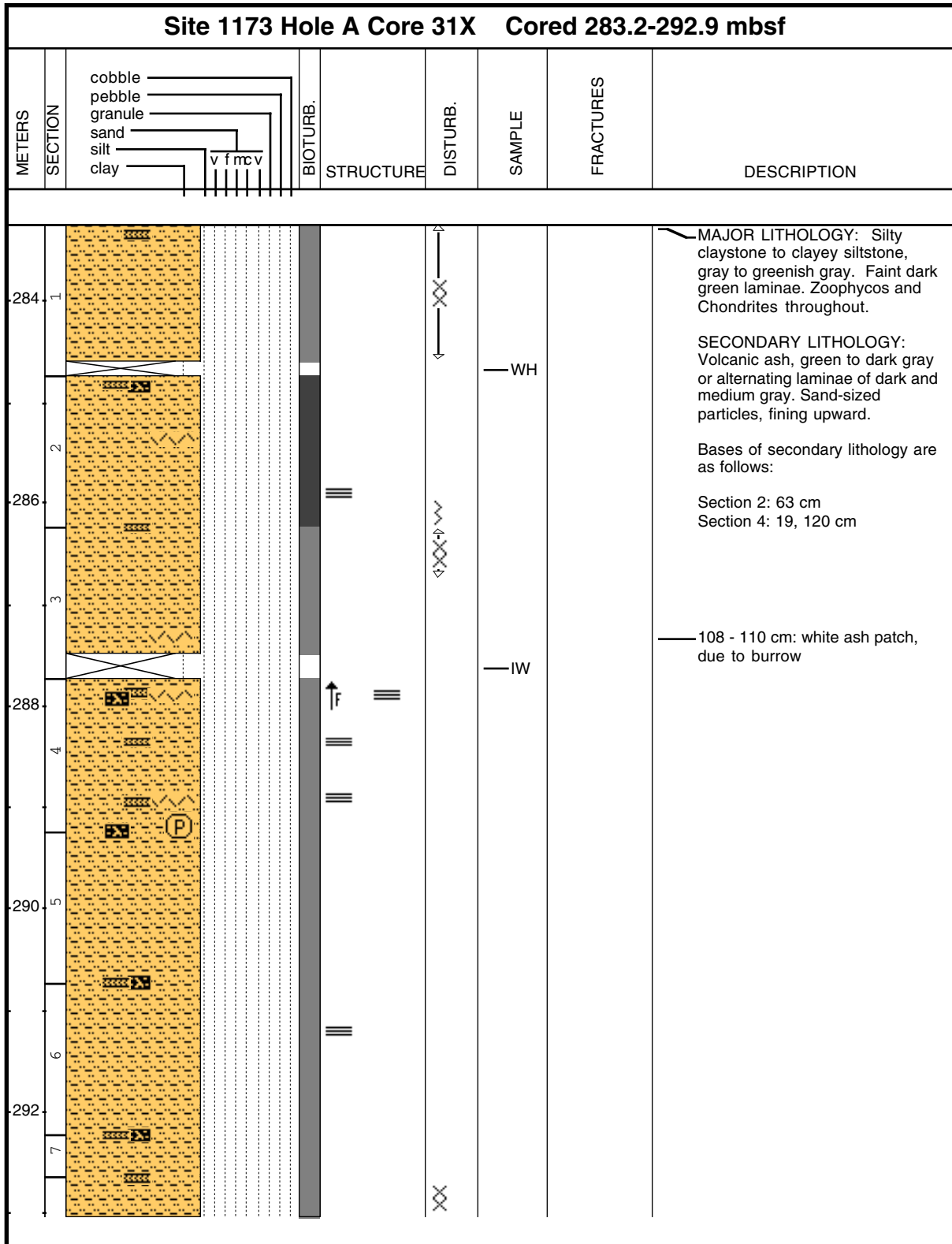
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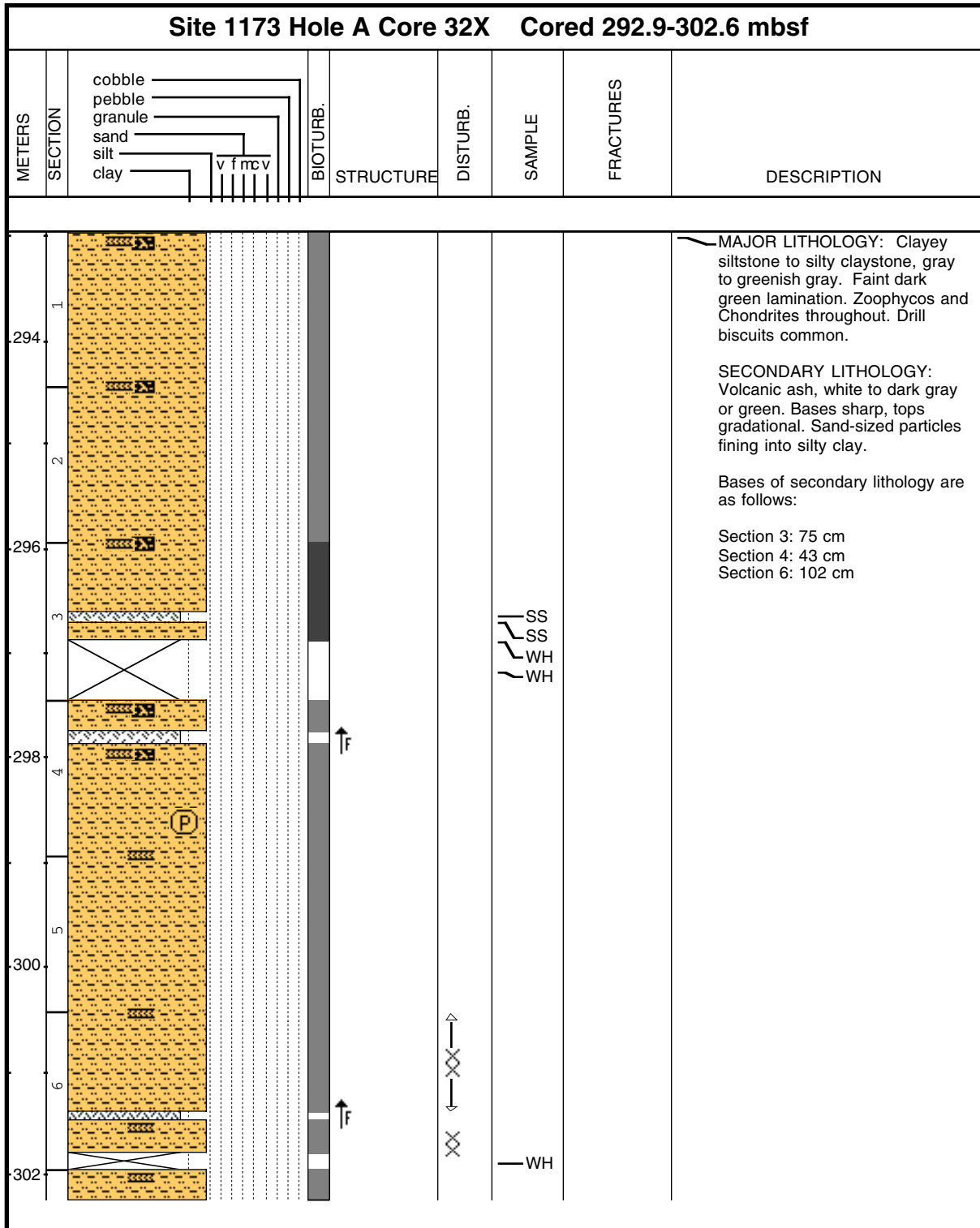
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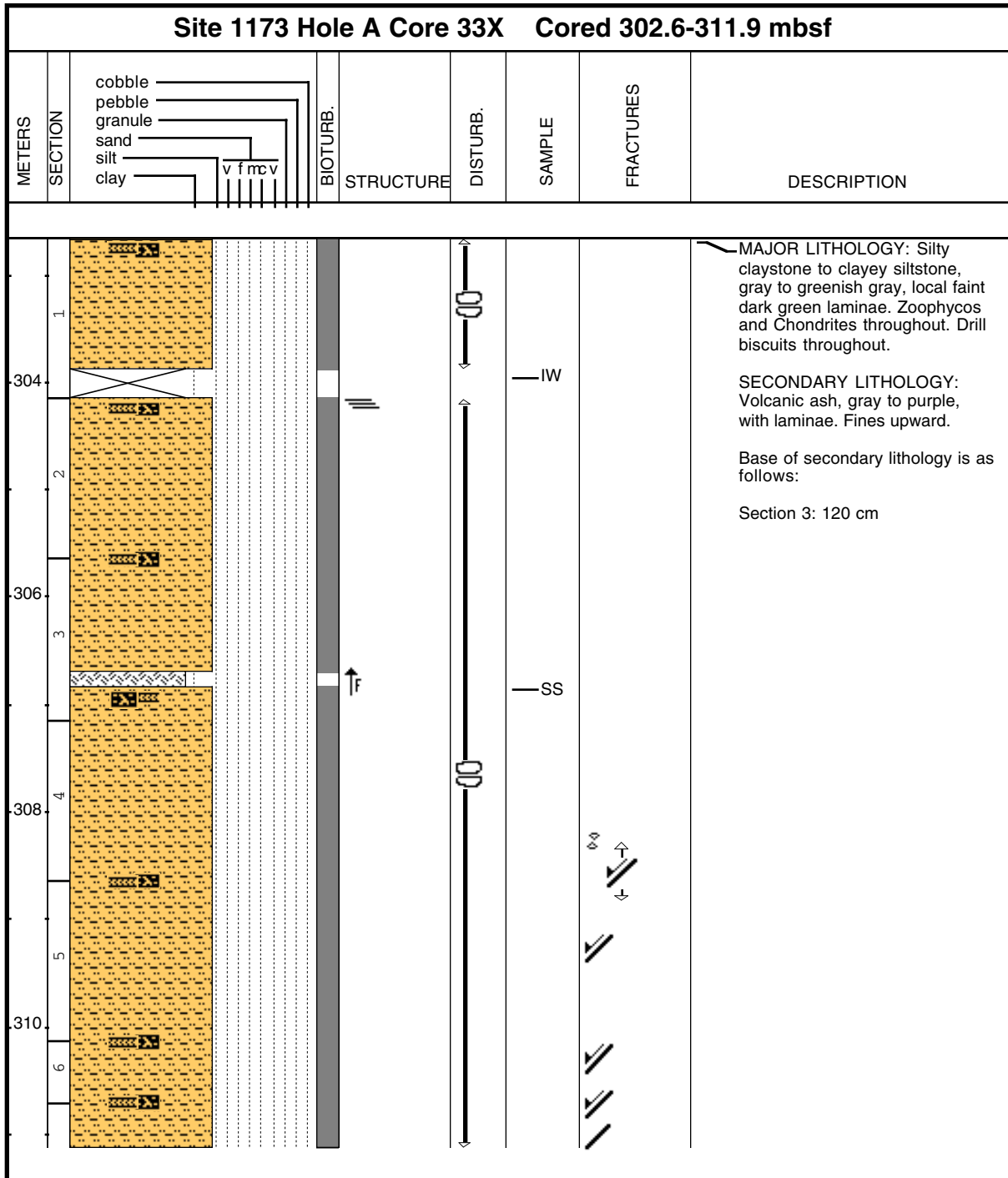
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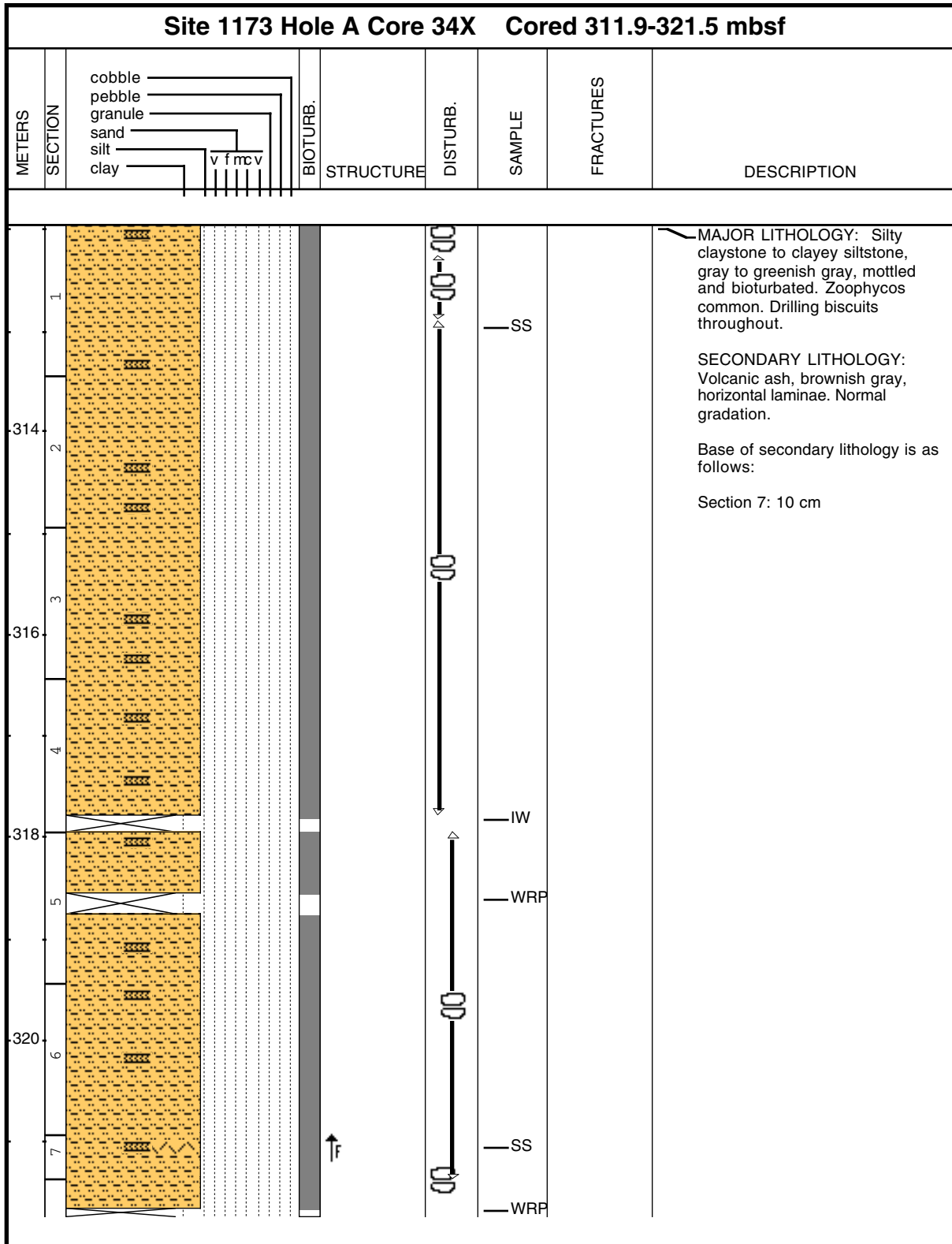
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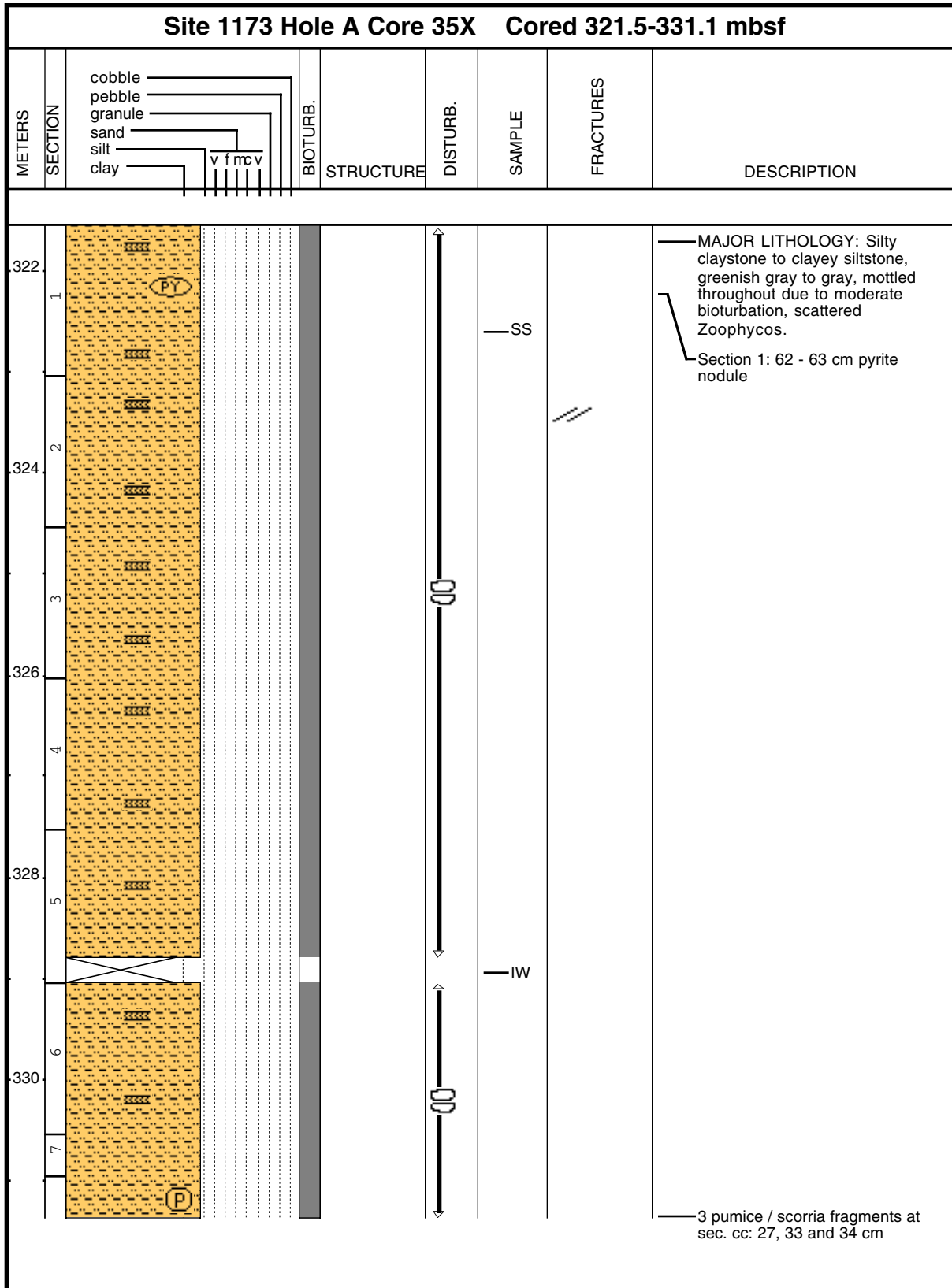
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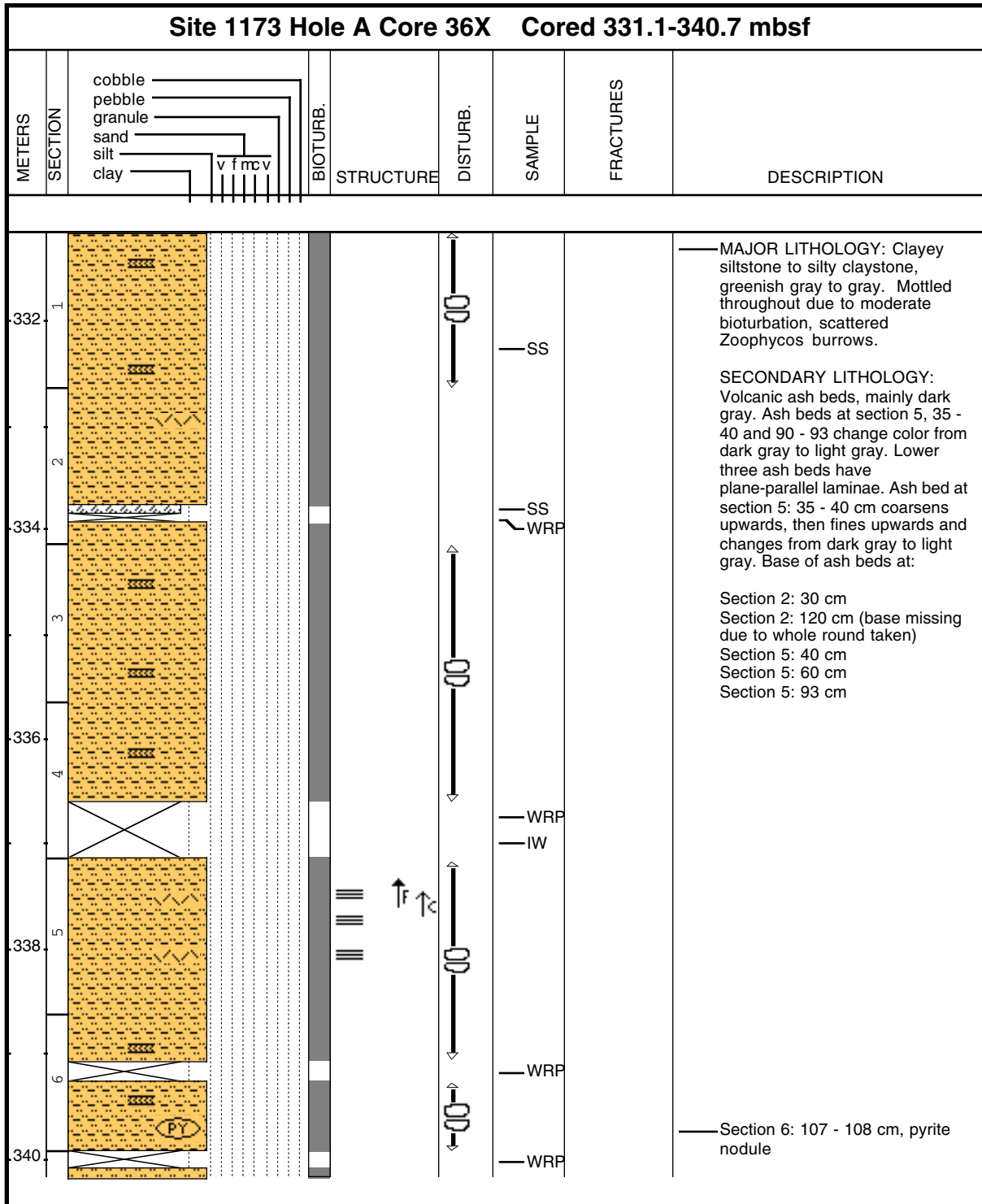
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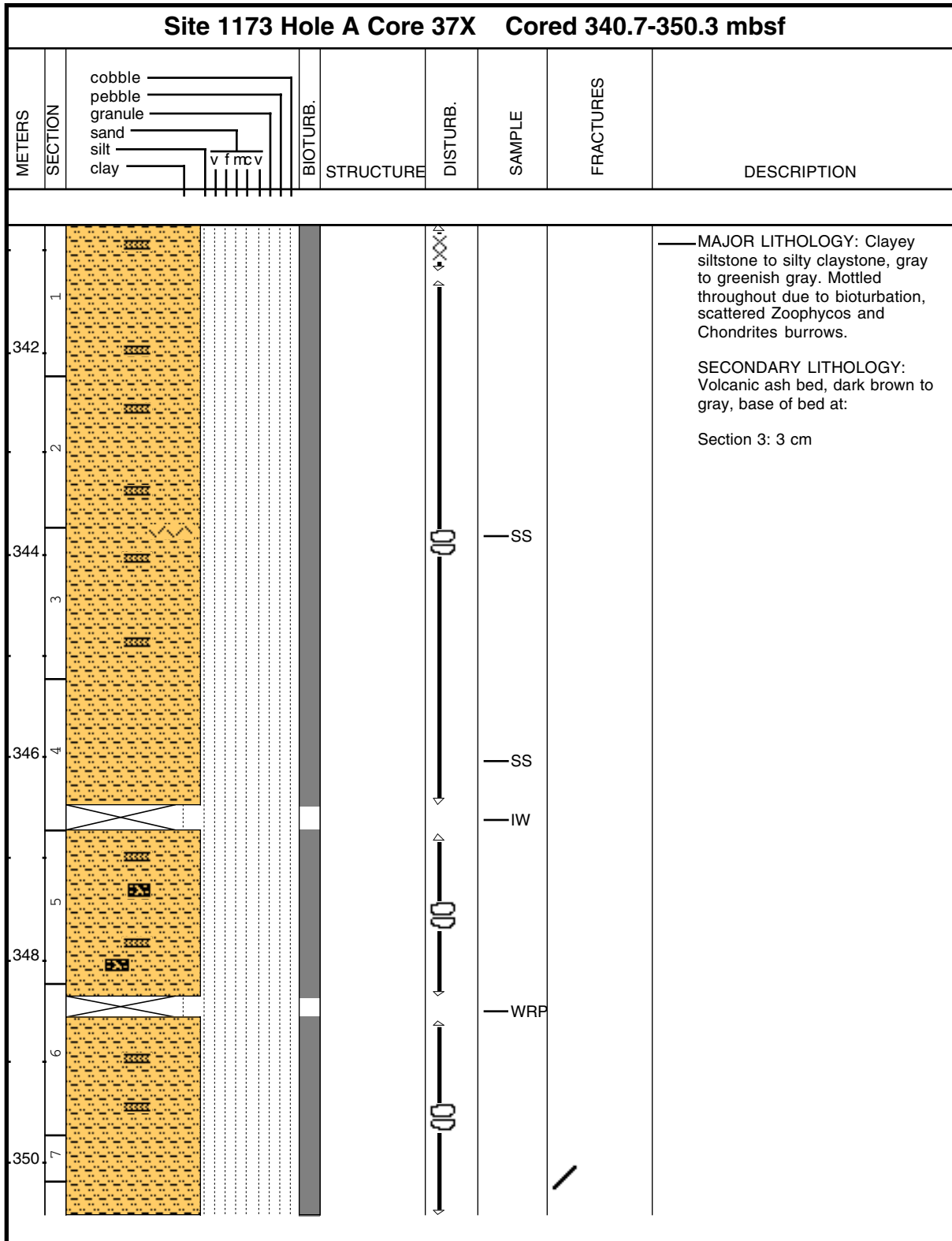
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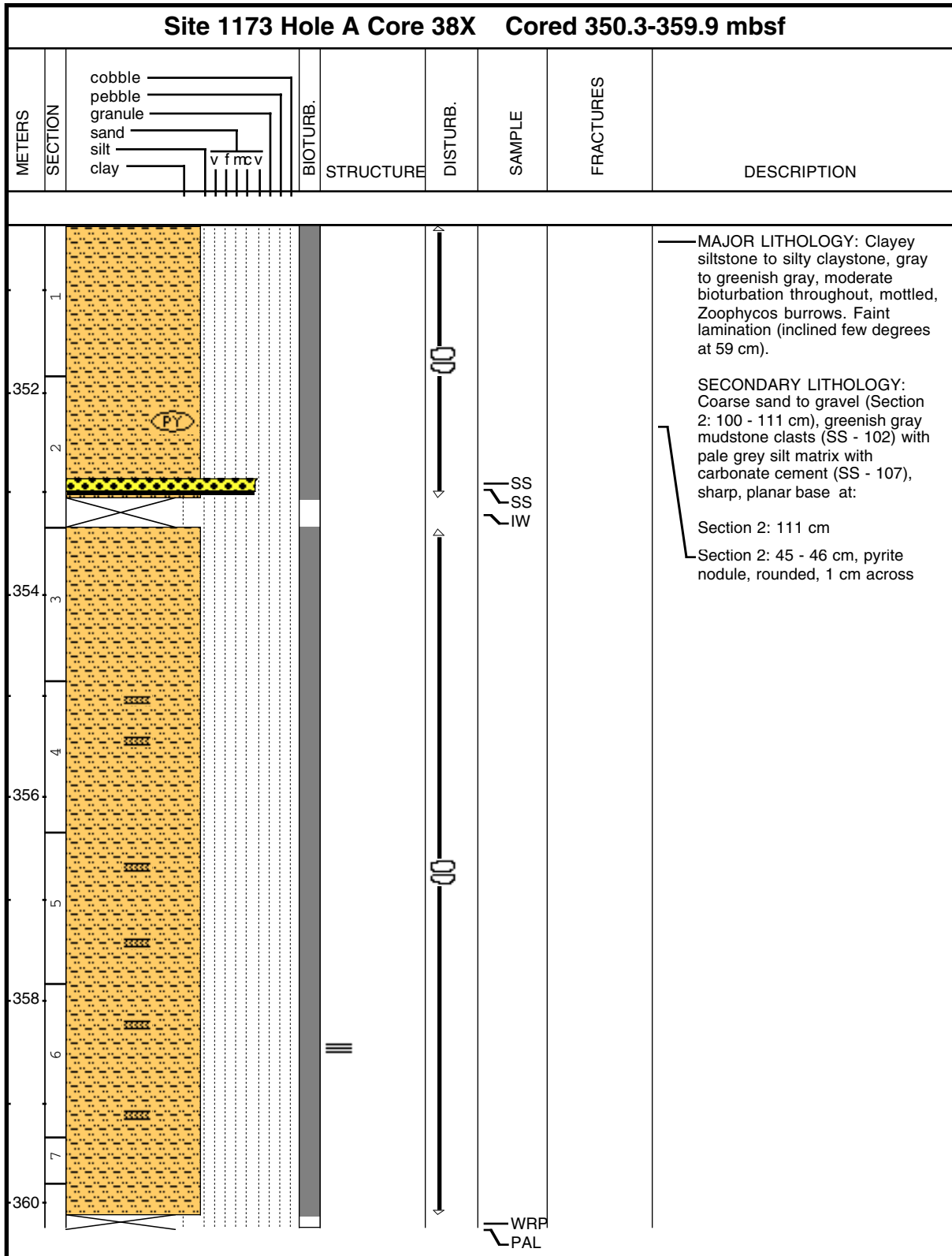
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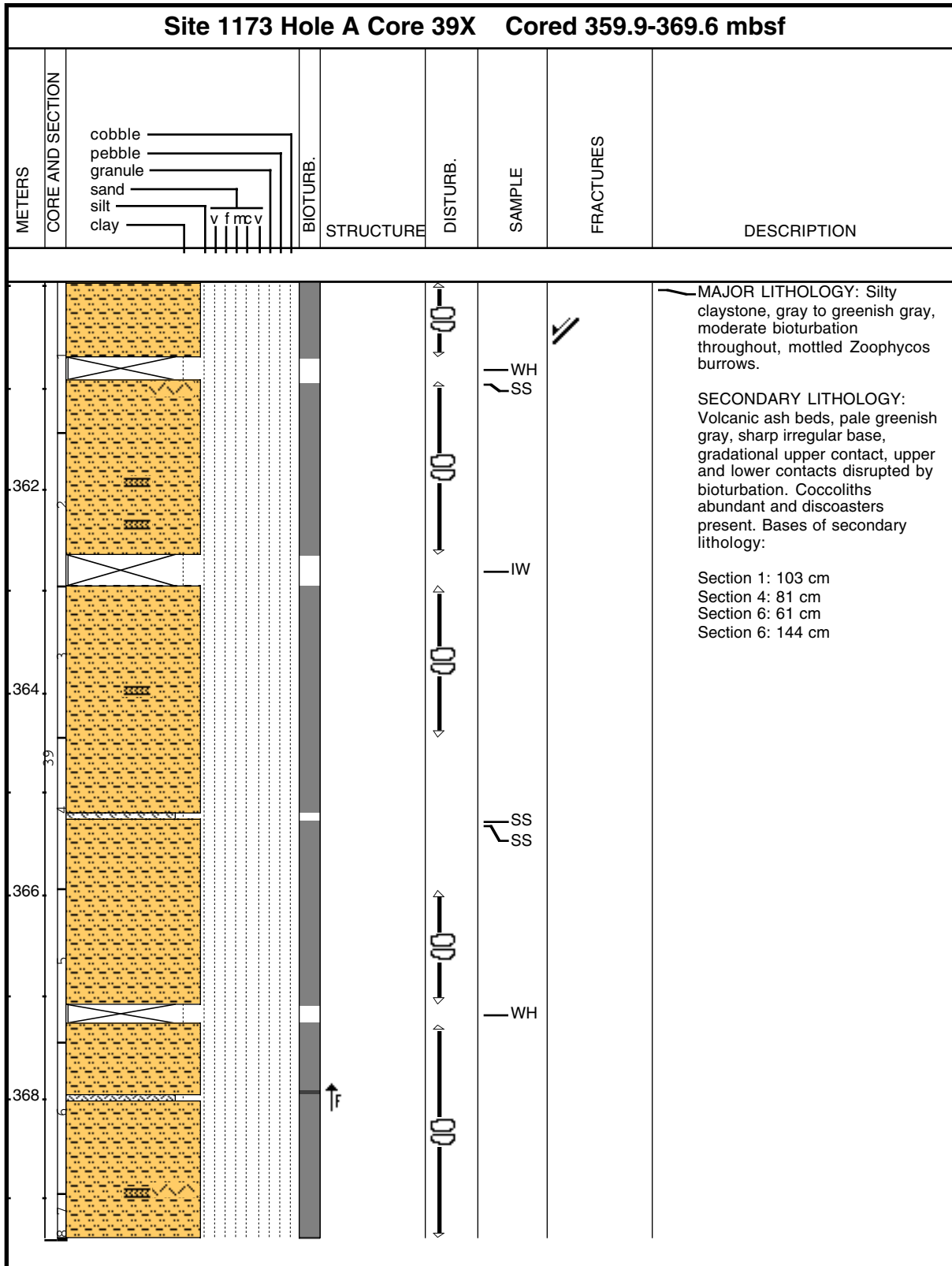
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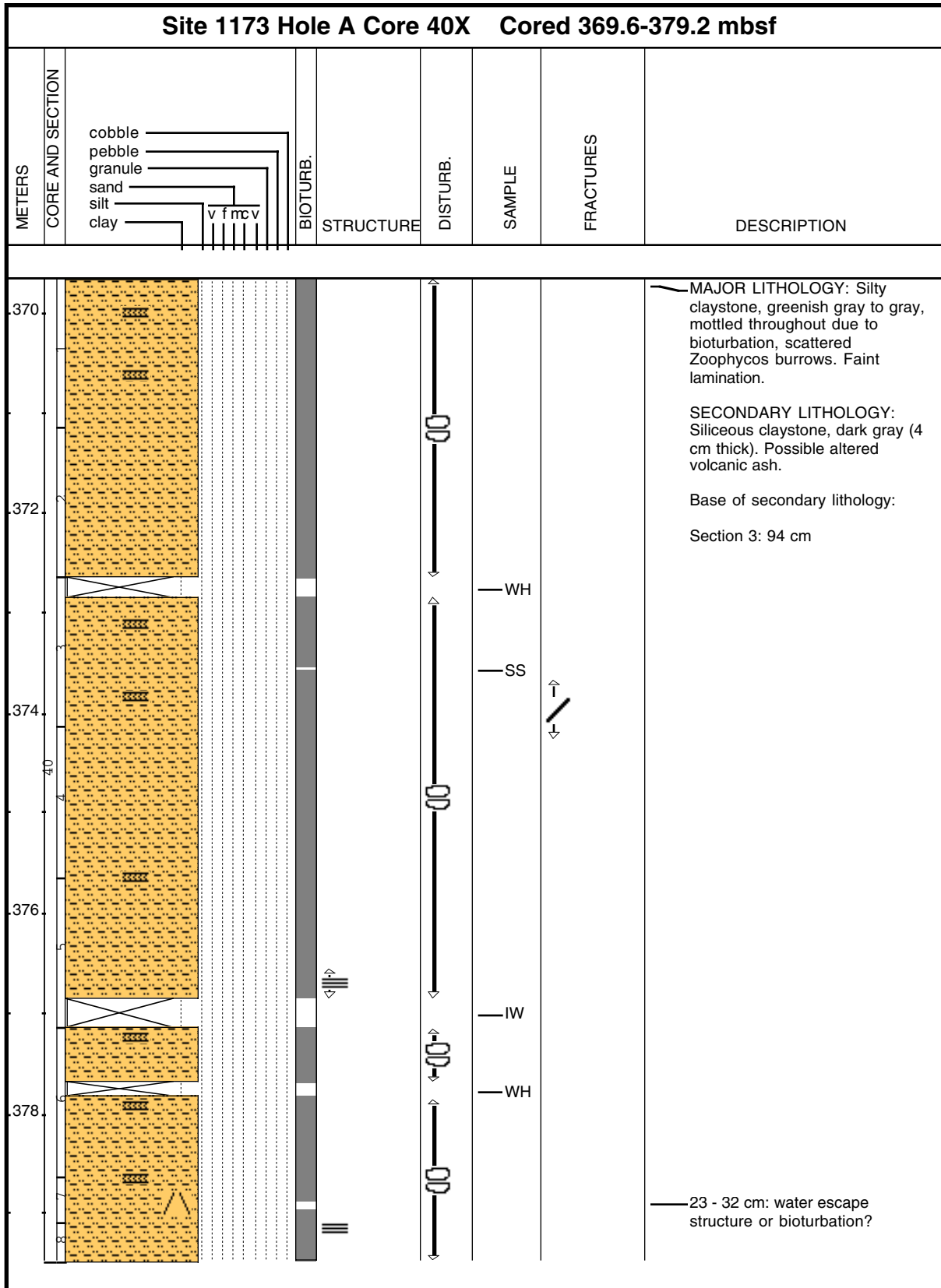
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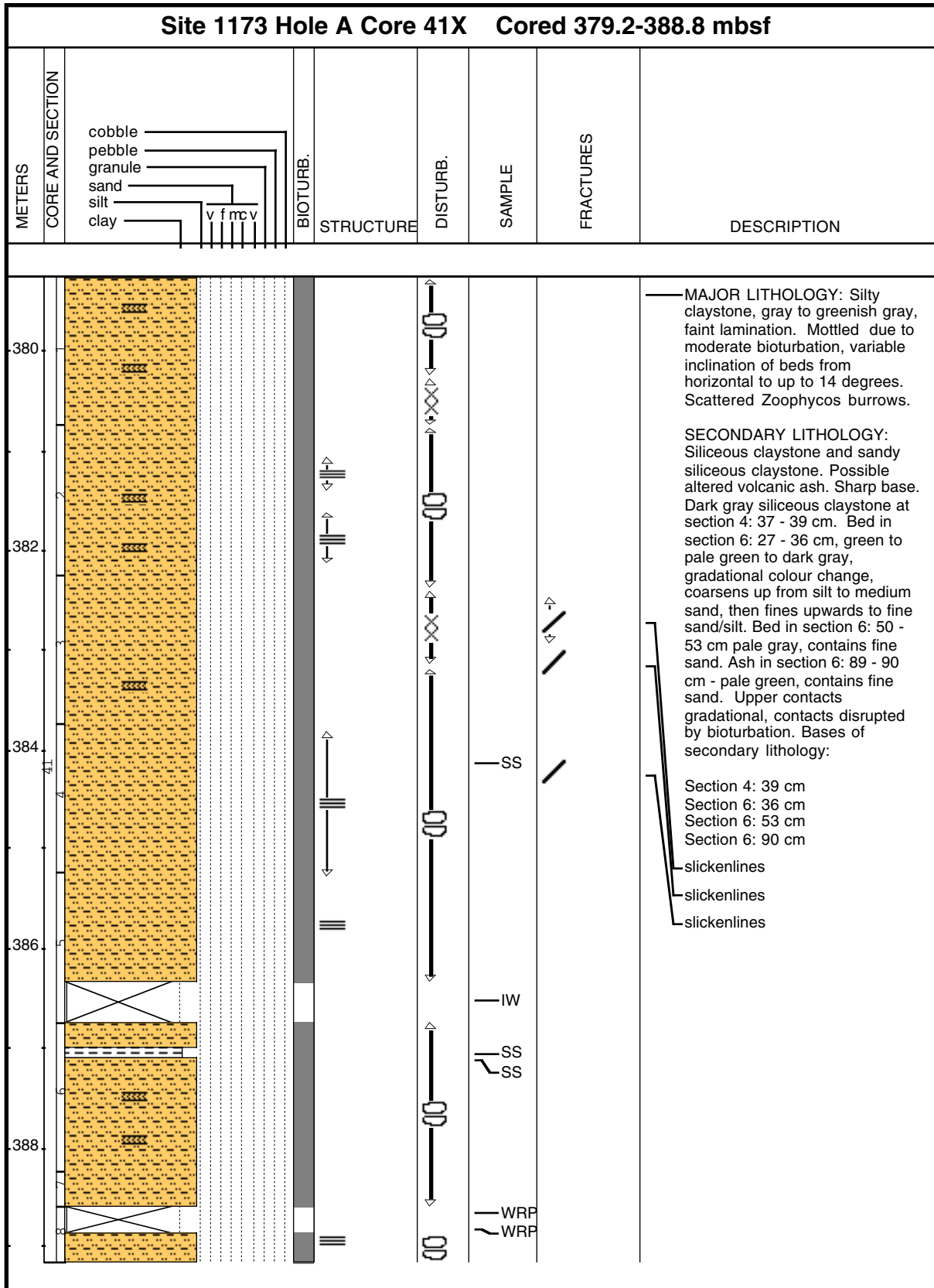
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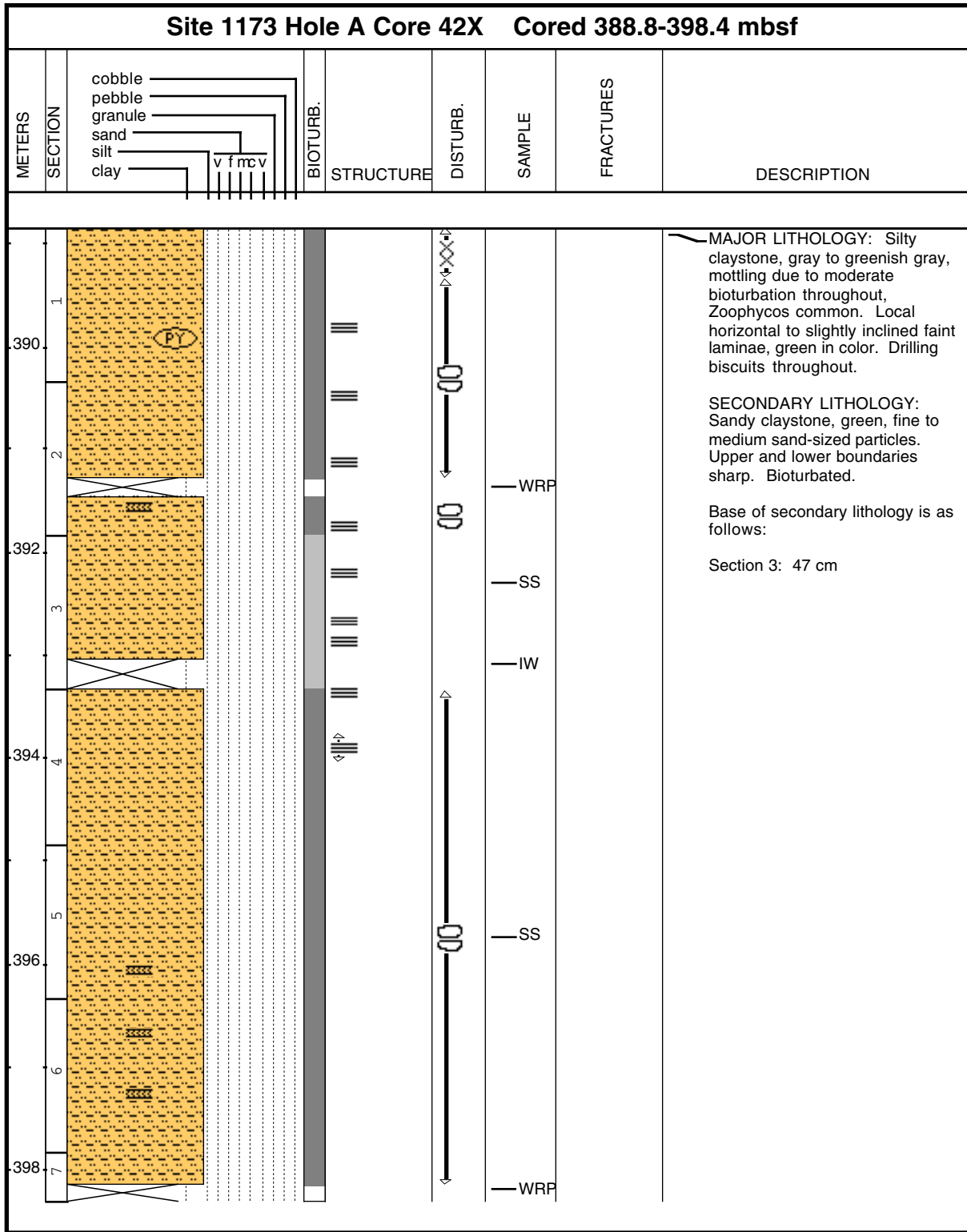
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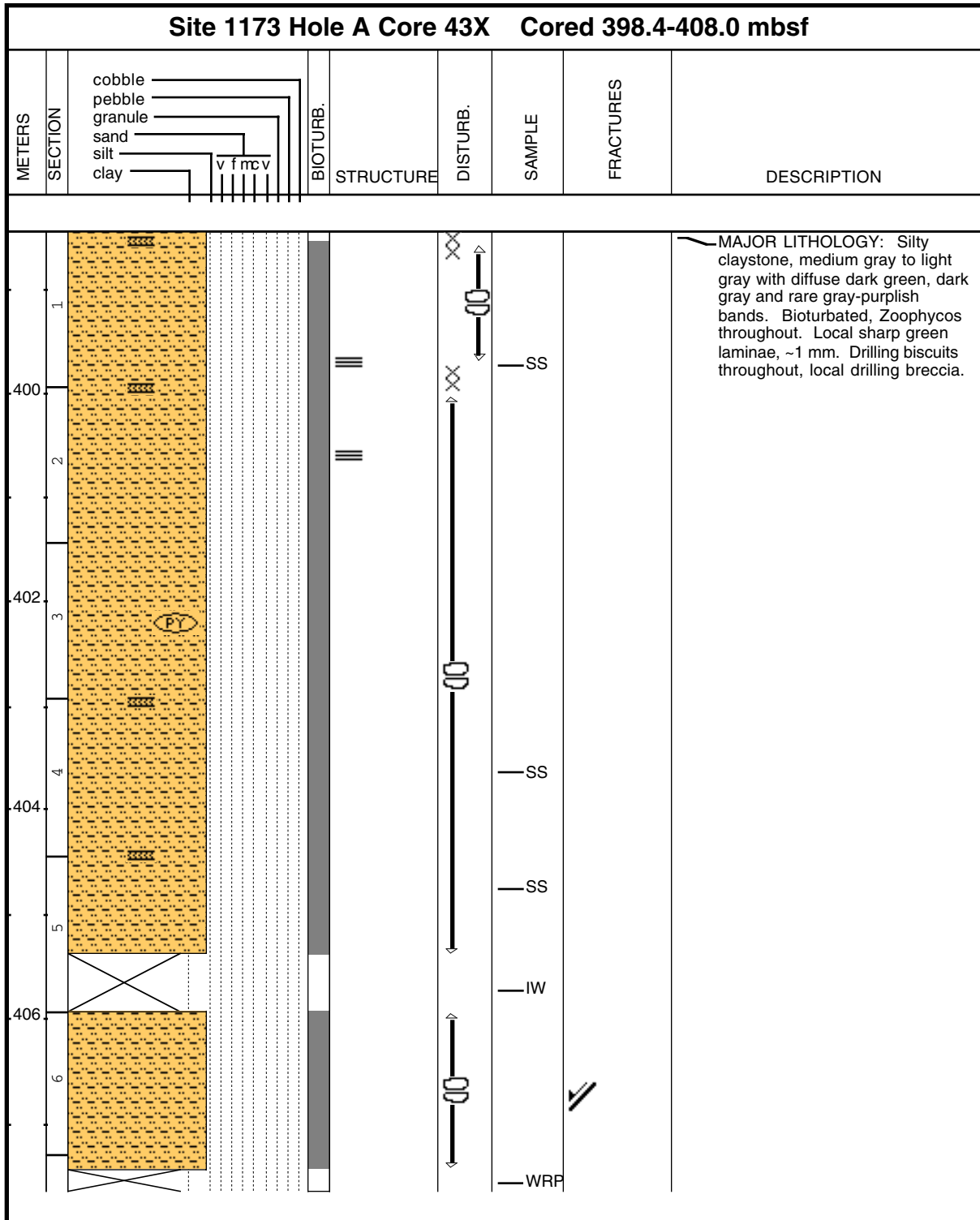
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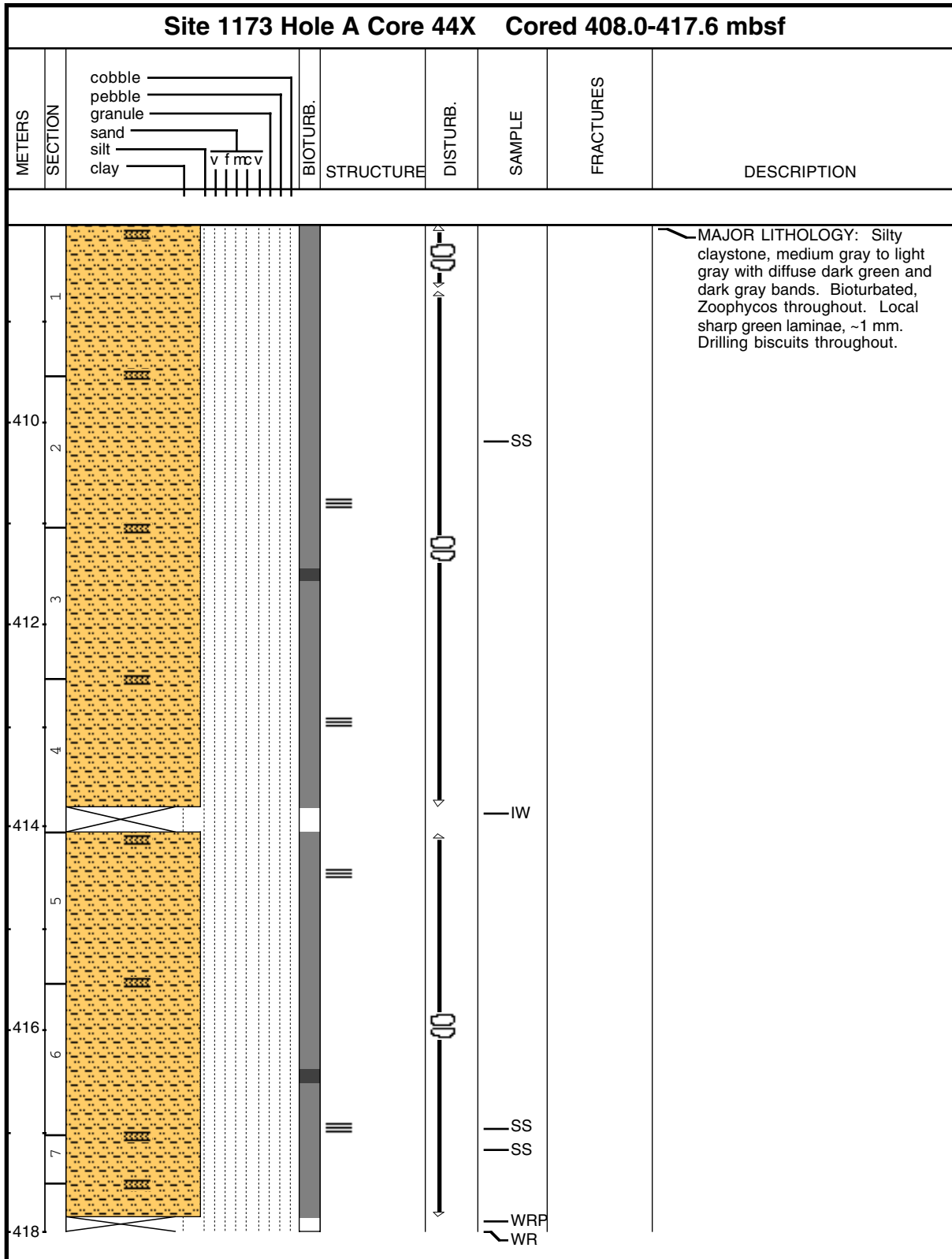
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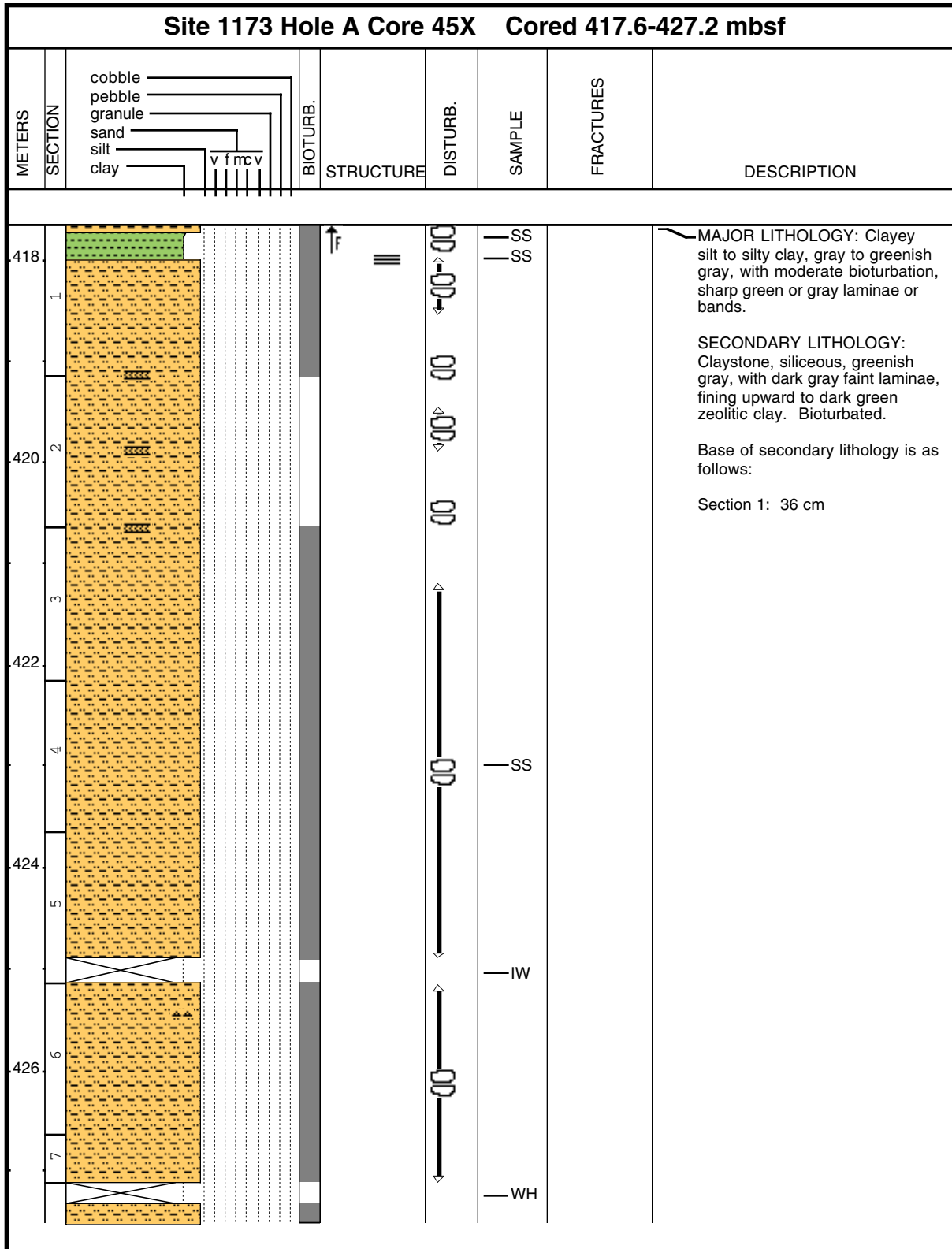
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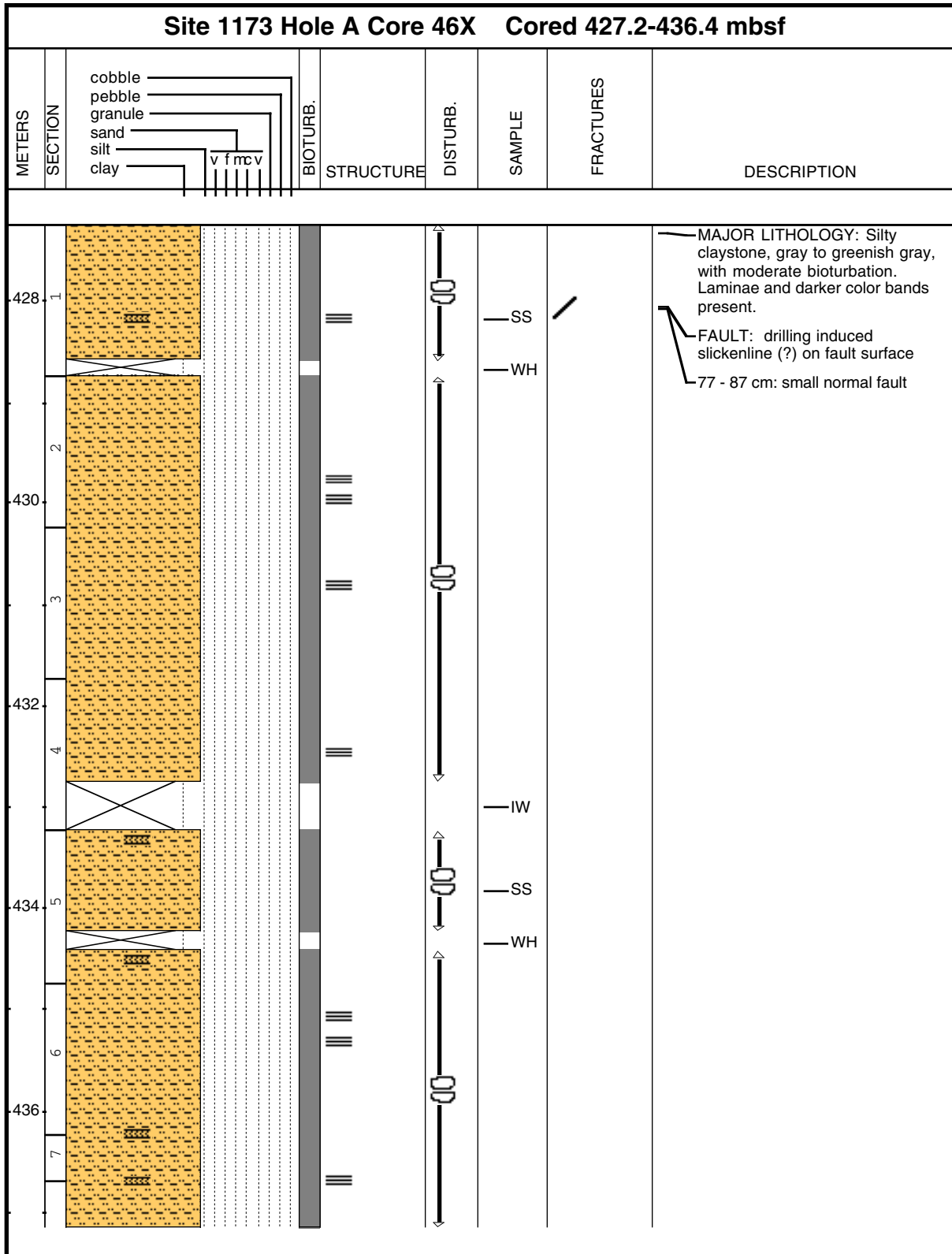
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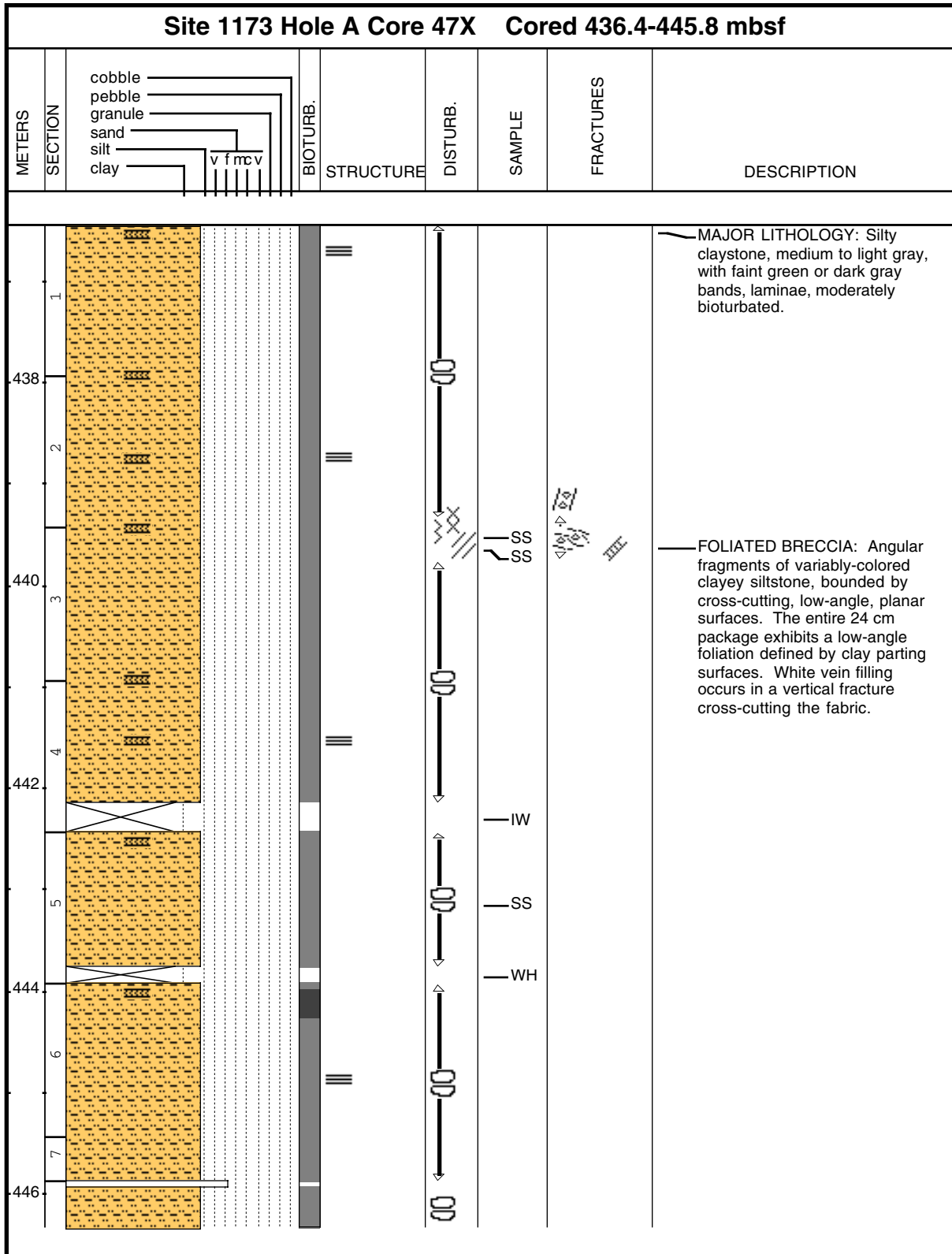
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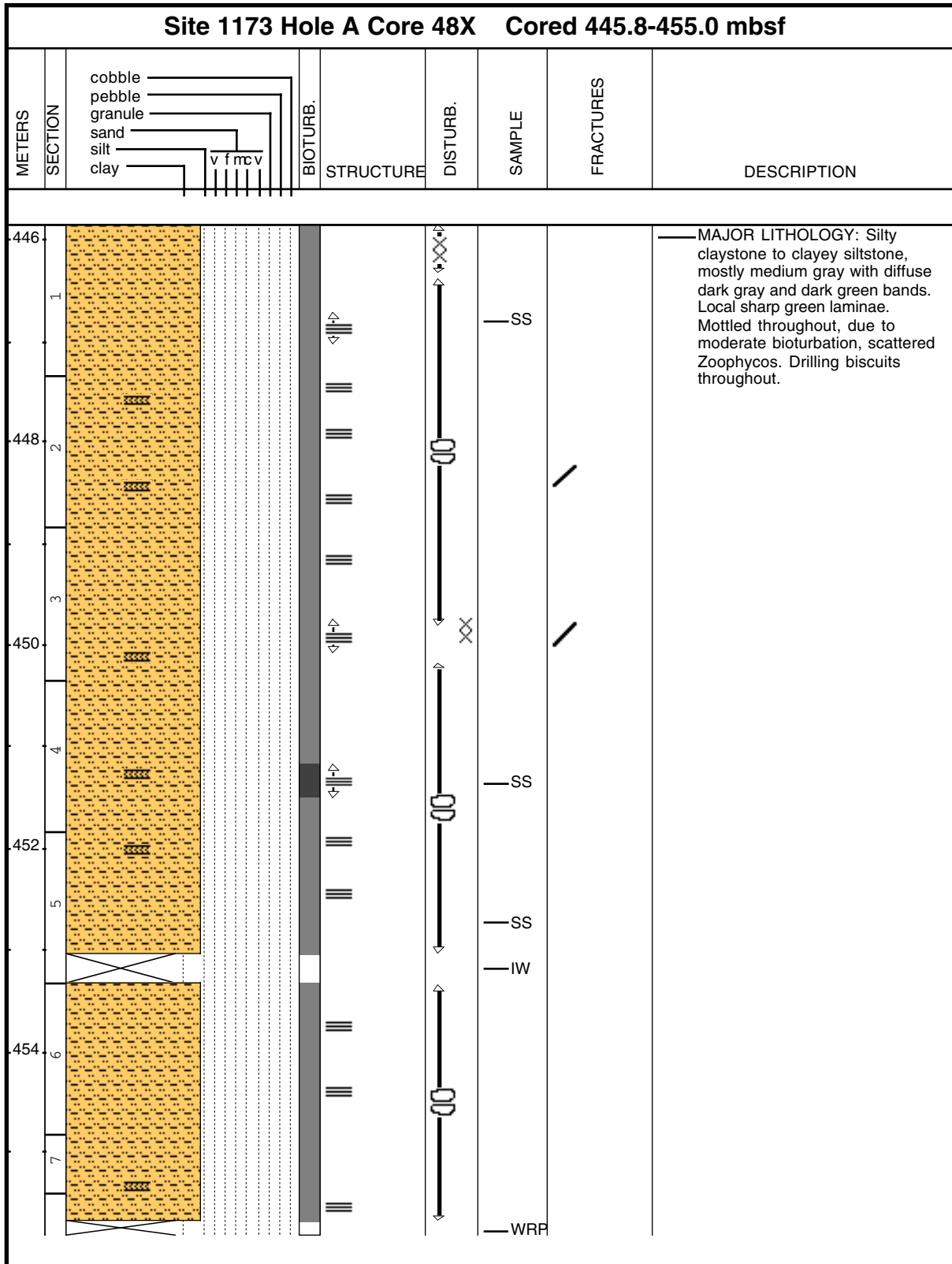
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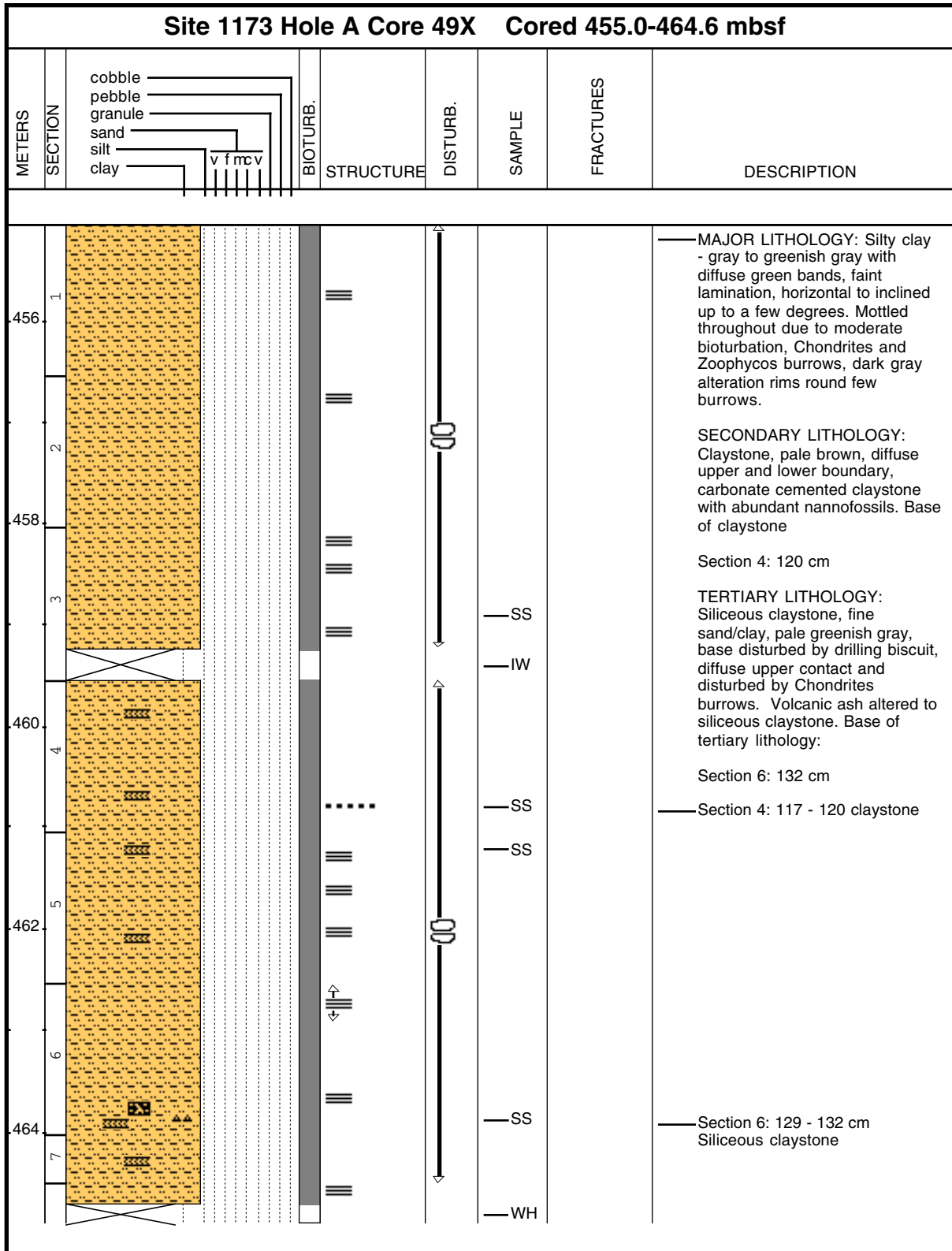
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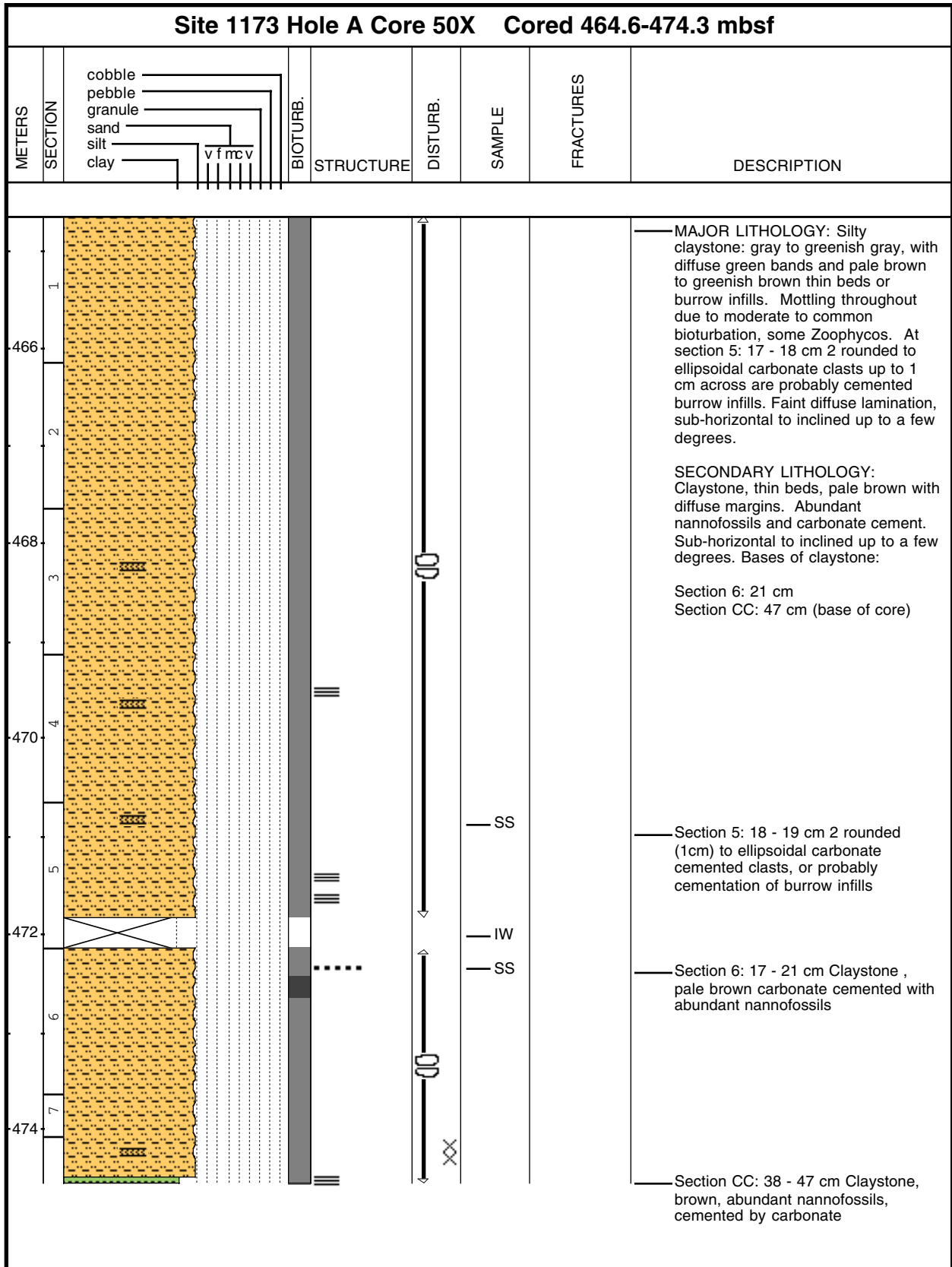
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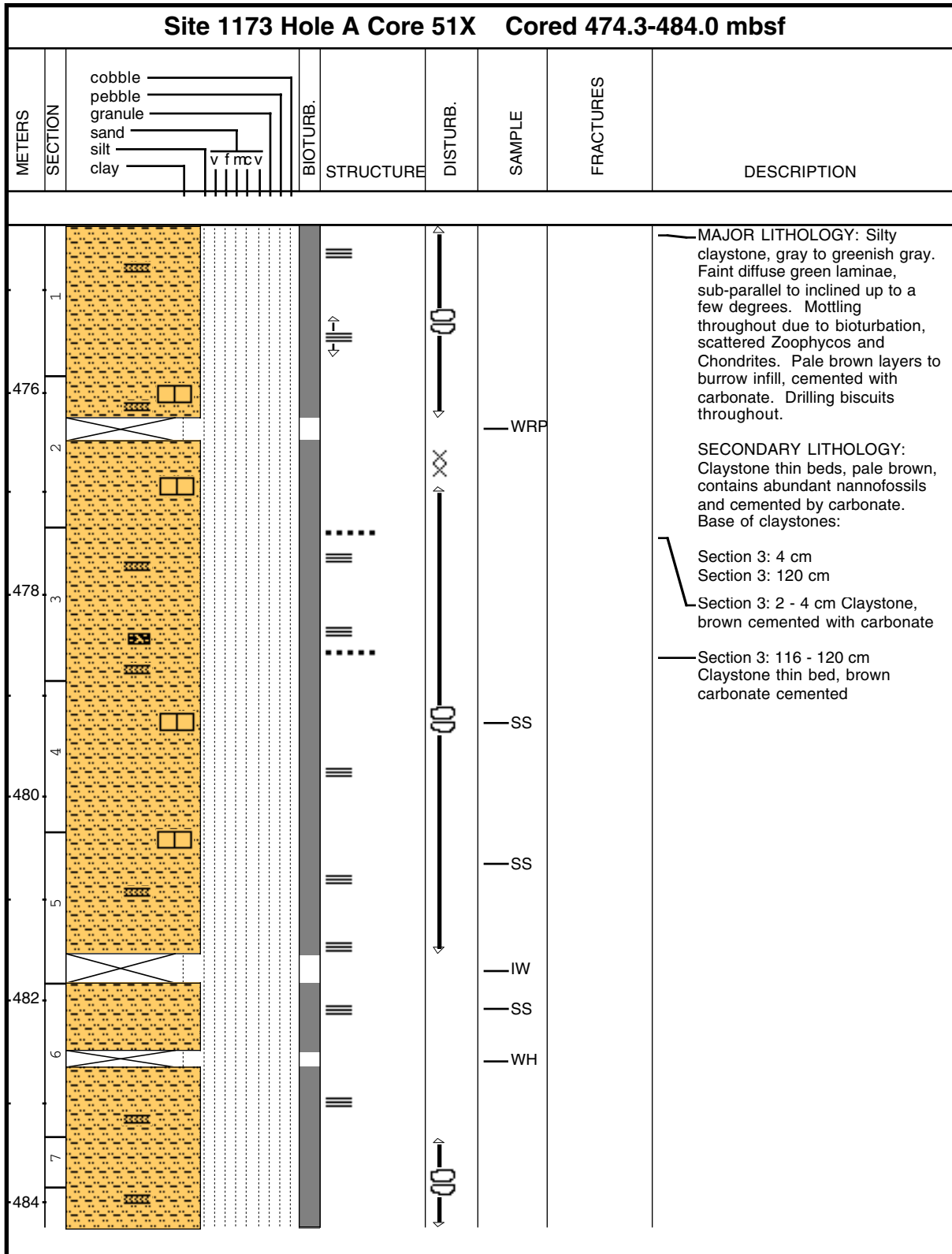
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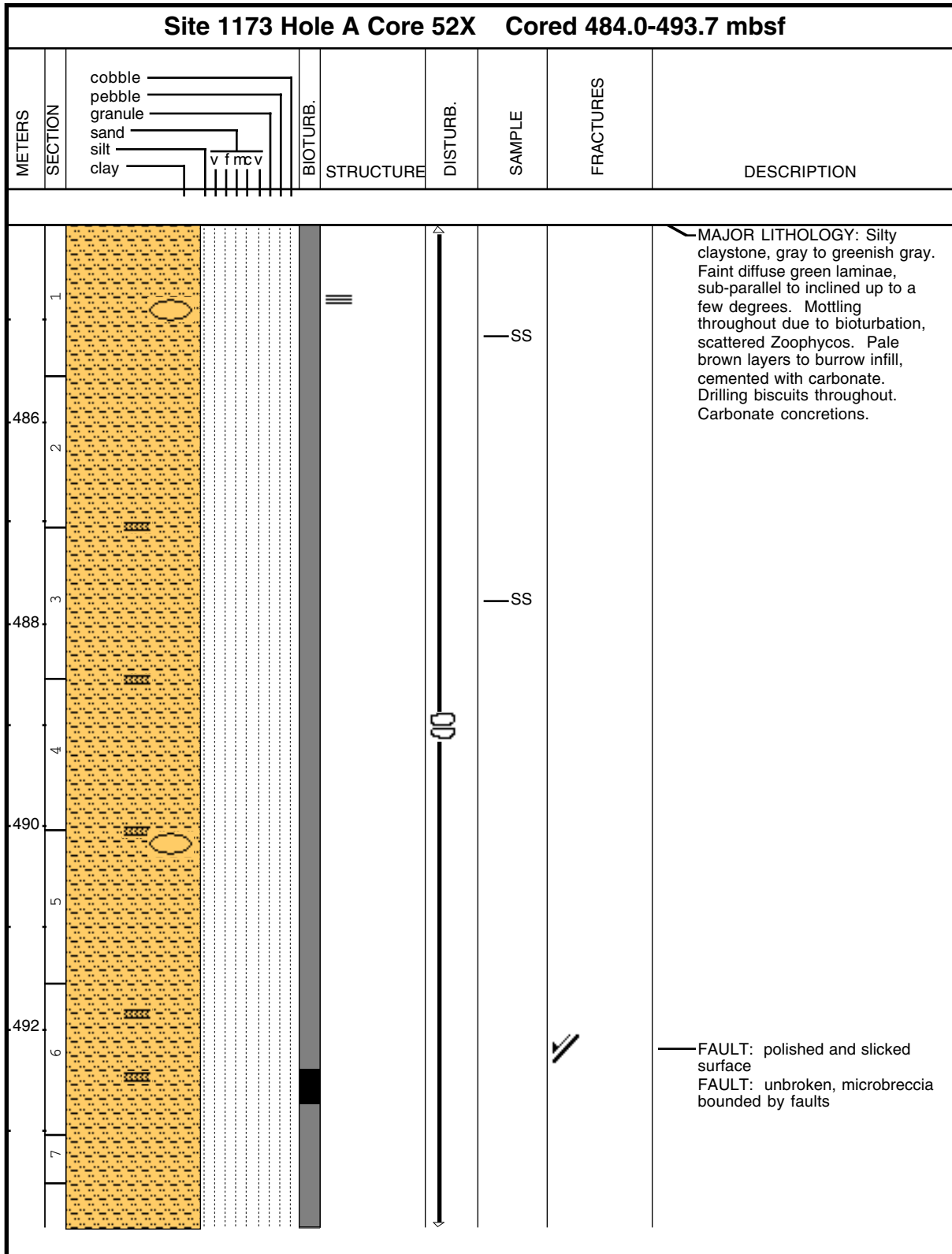
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Core Photo

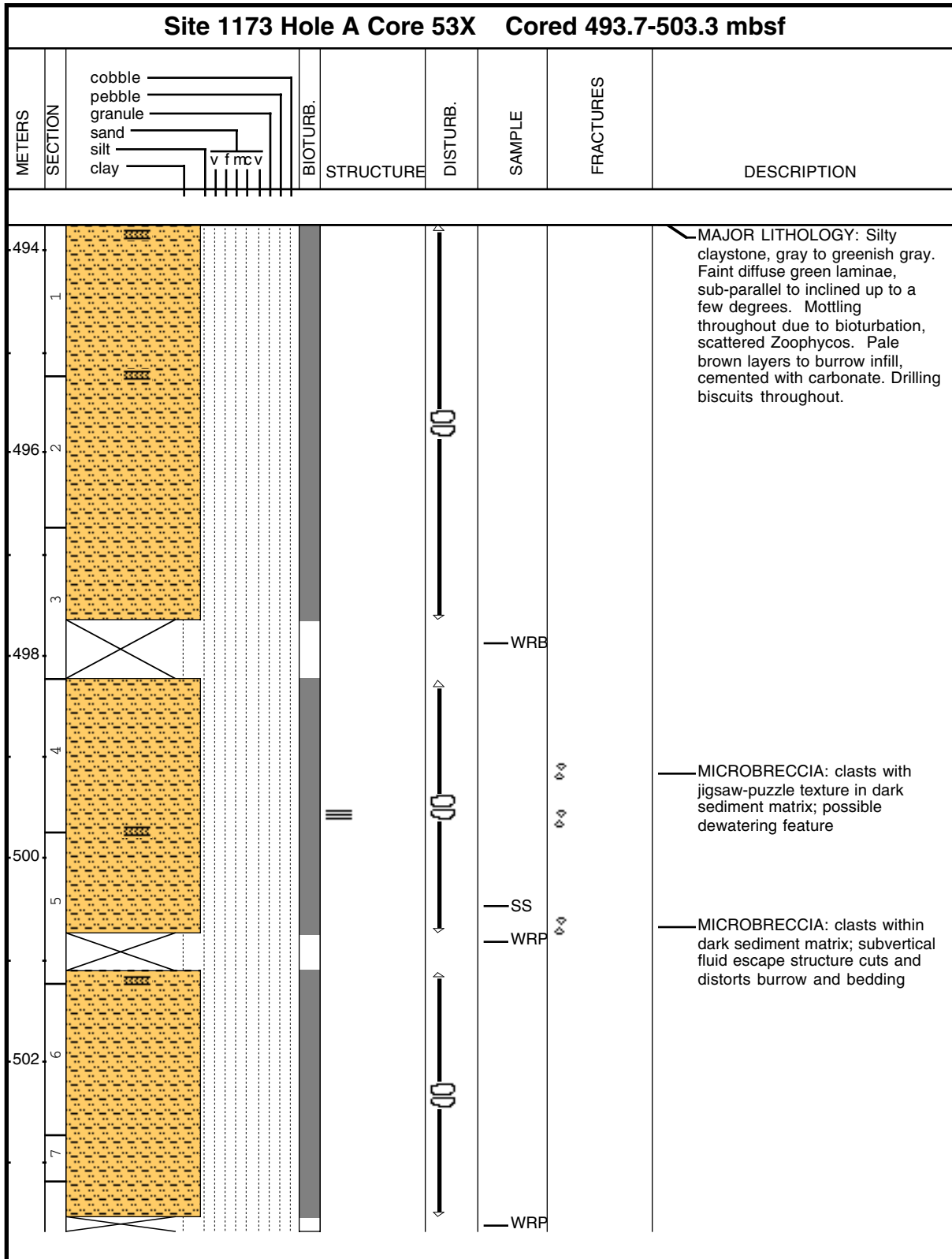


Core Photo

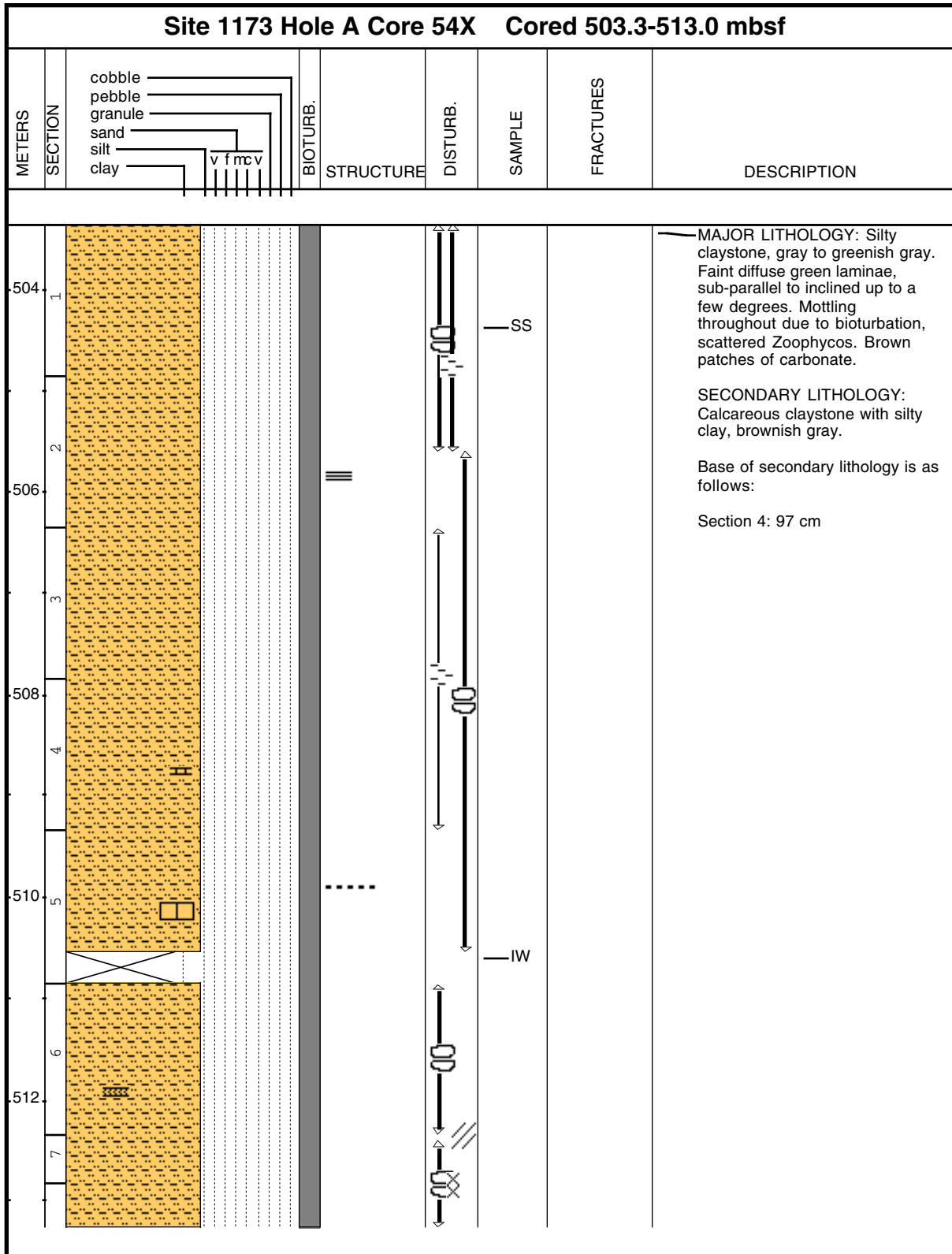


— FAULT: polished and slicked surface
 — FAULT: unbroken, microbreccia bounded by faults

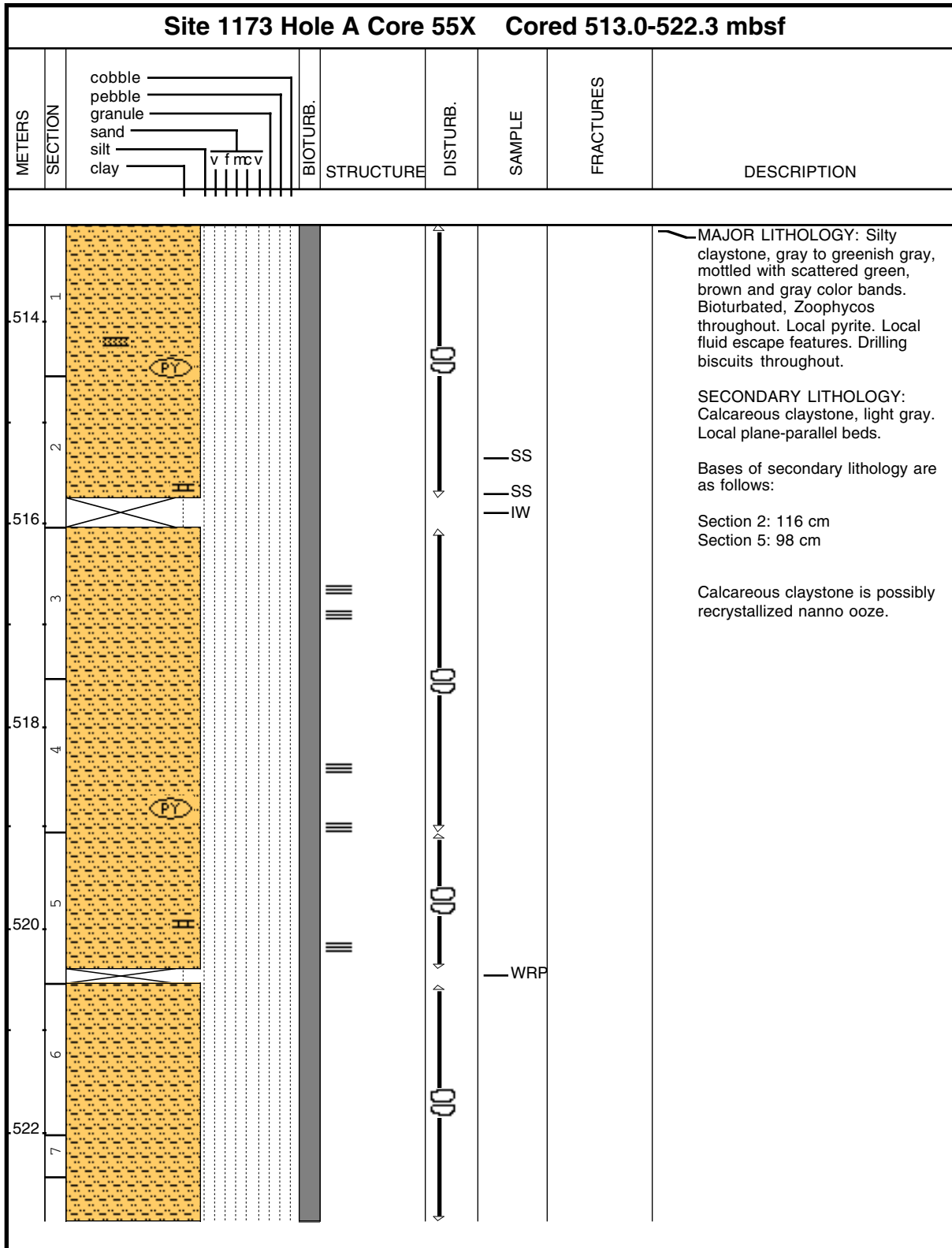
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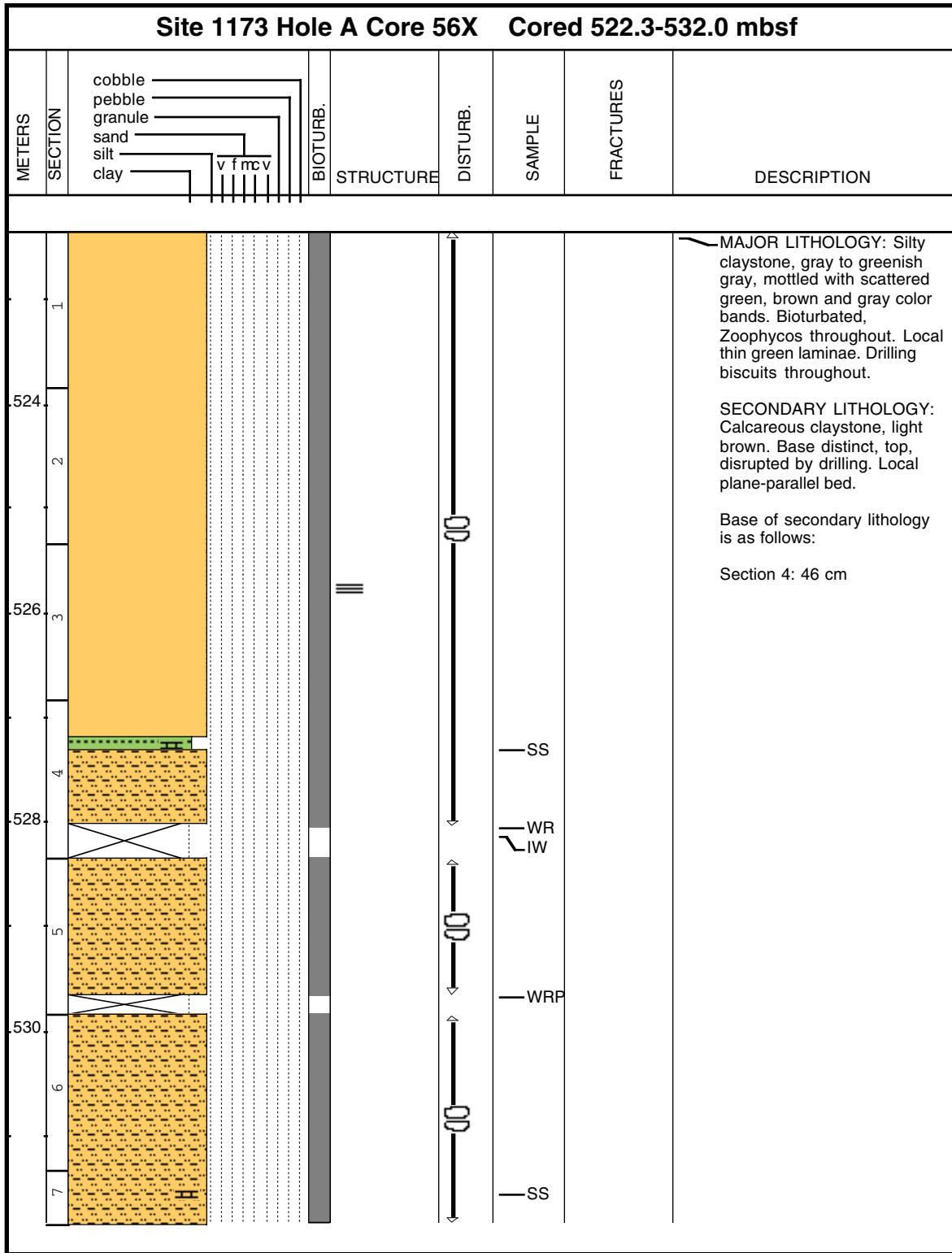
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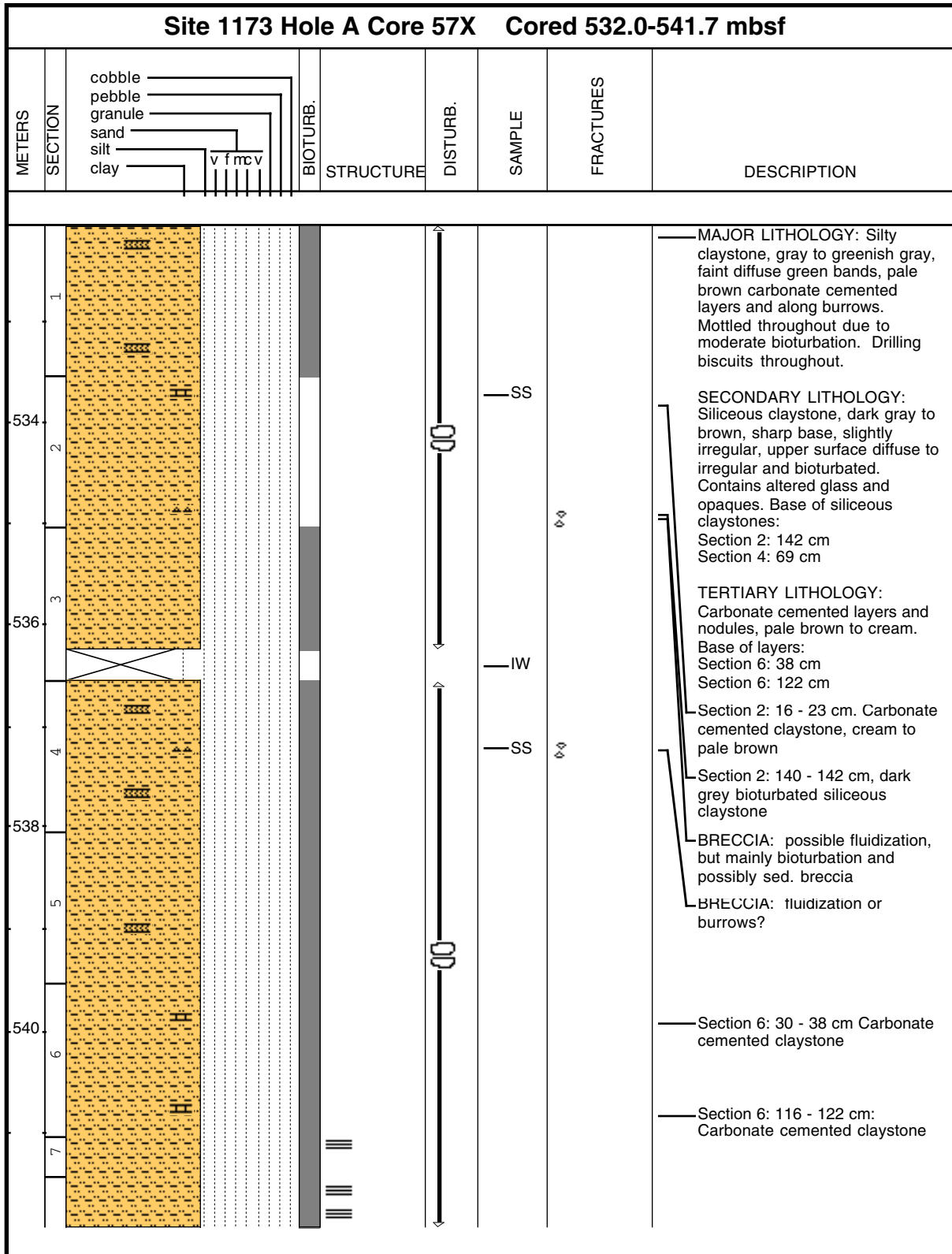
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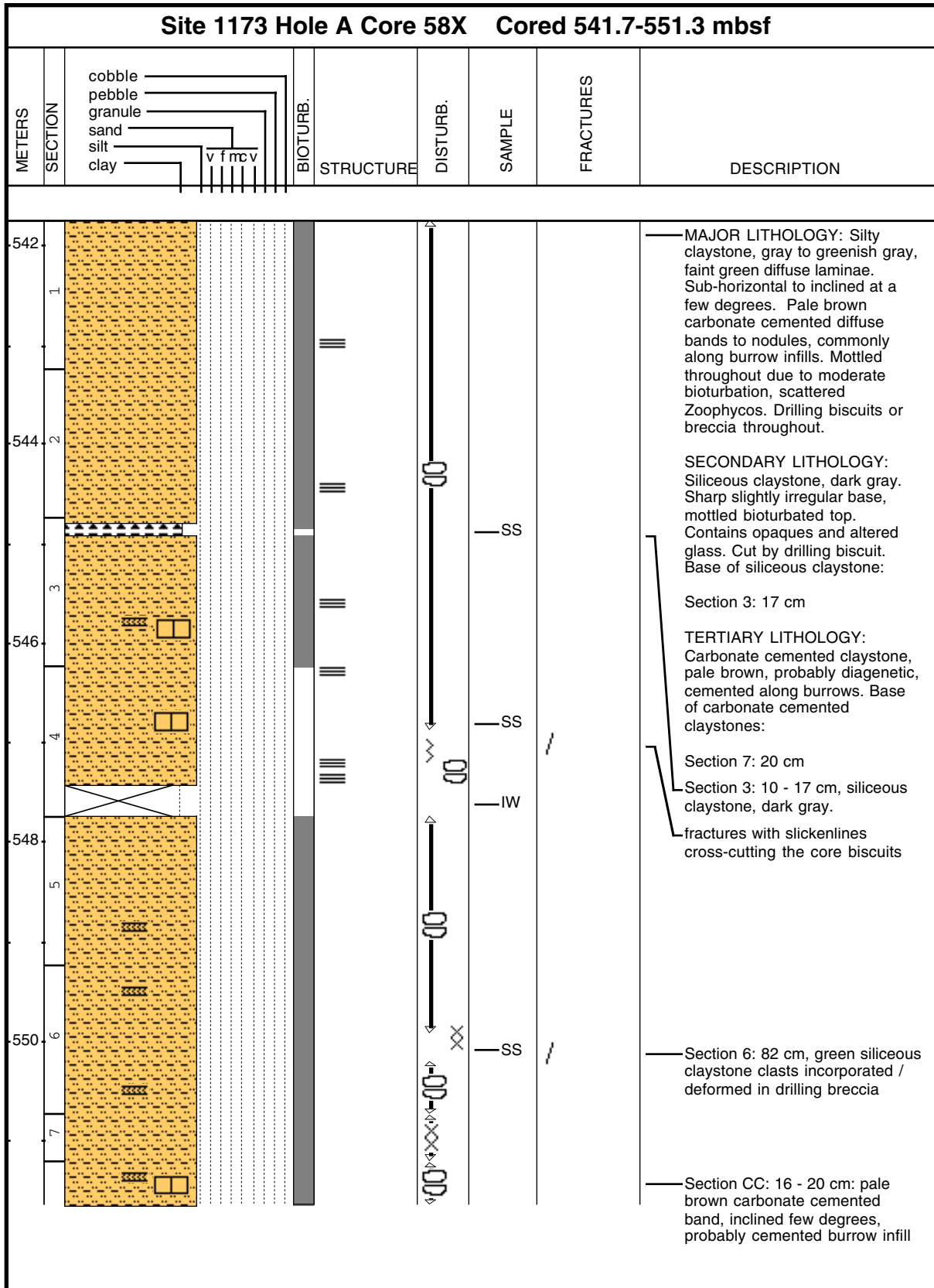
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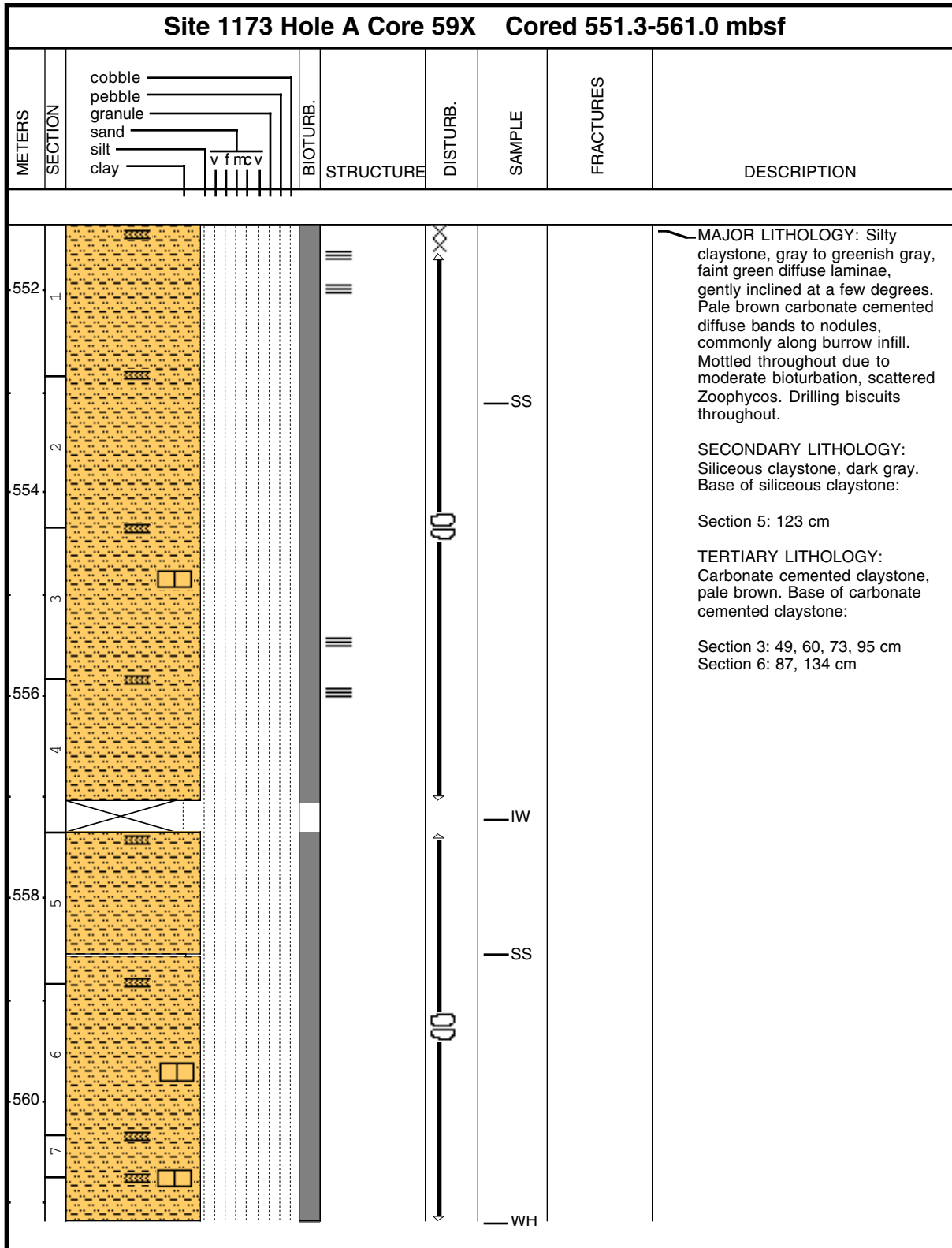
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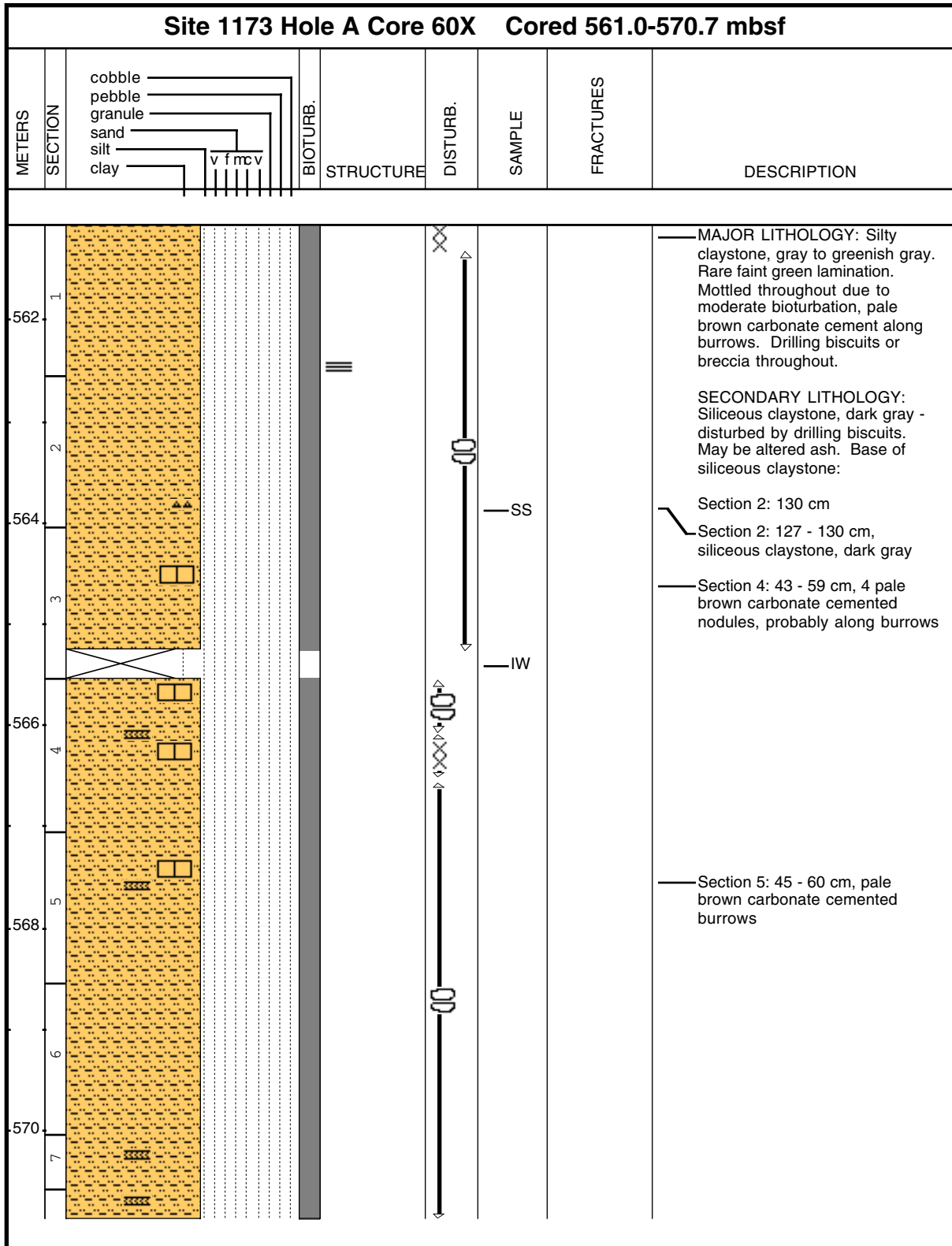
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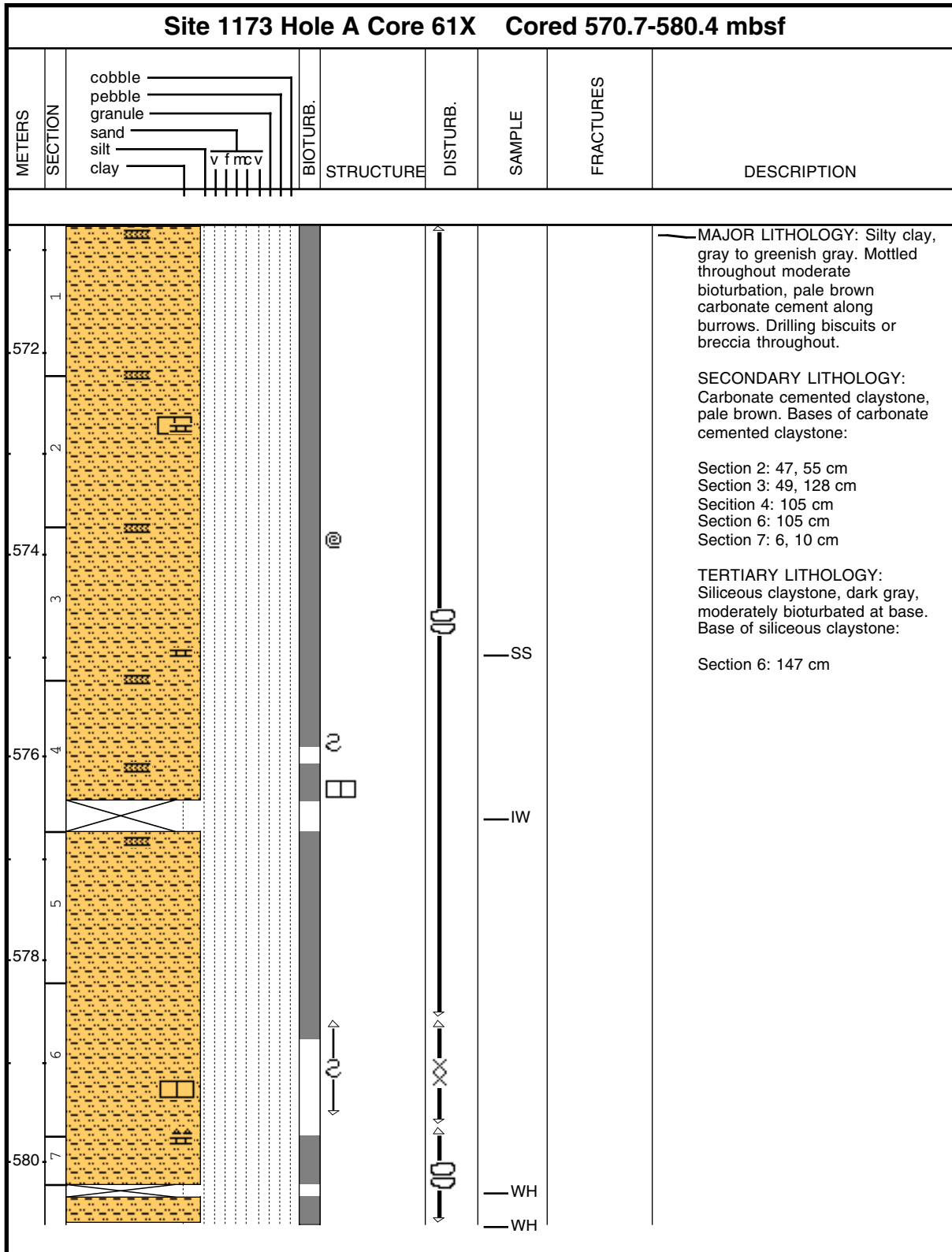
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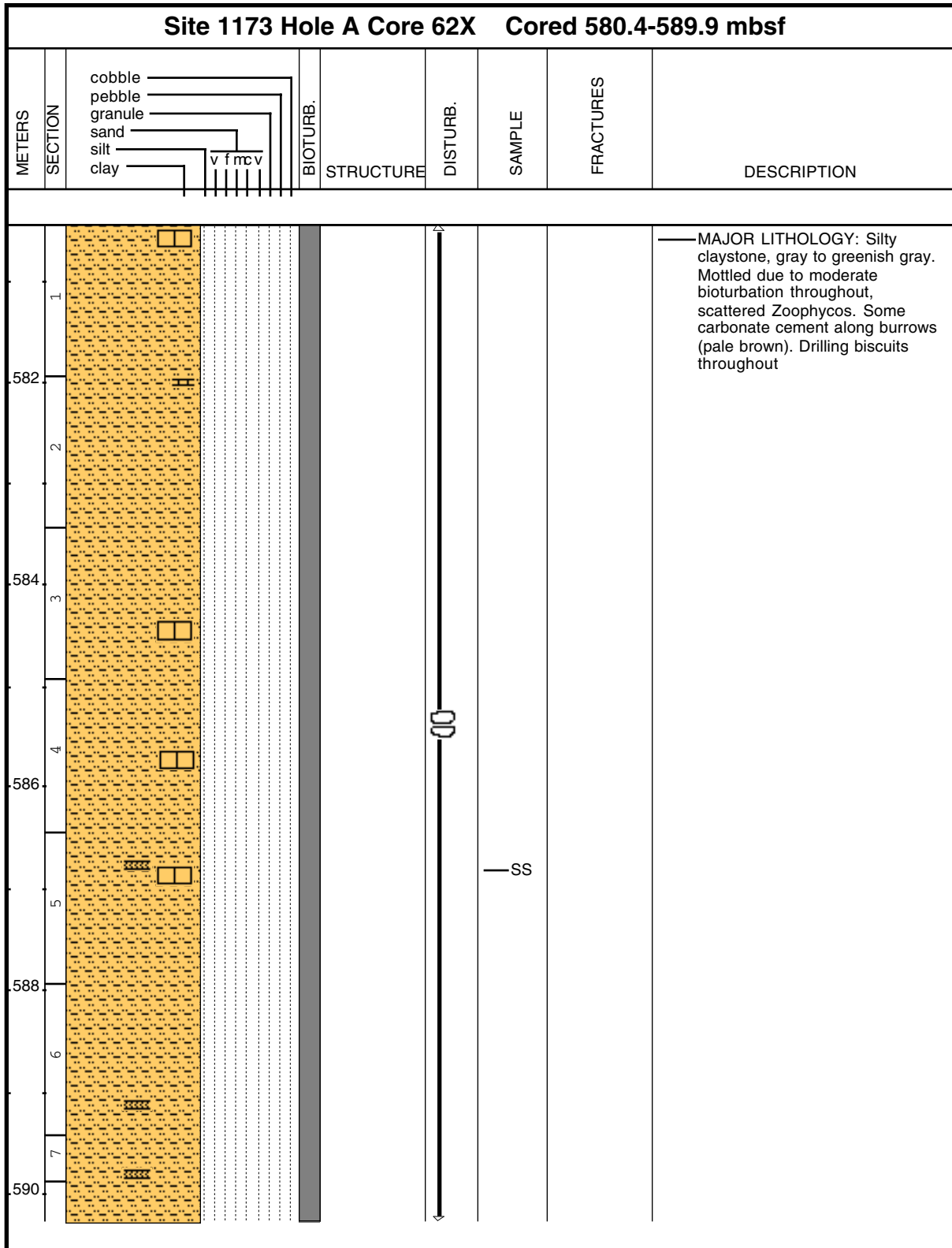
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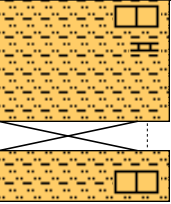
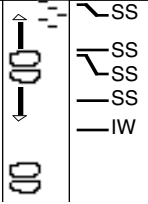
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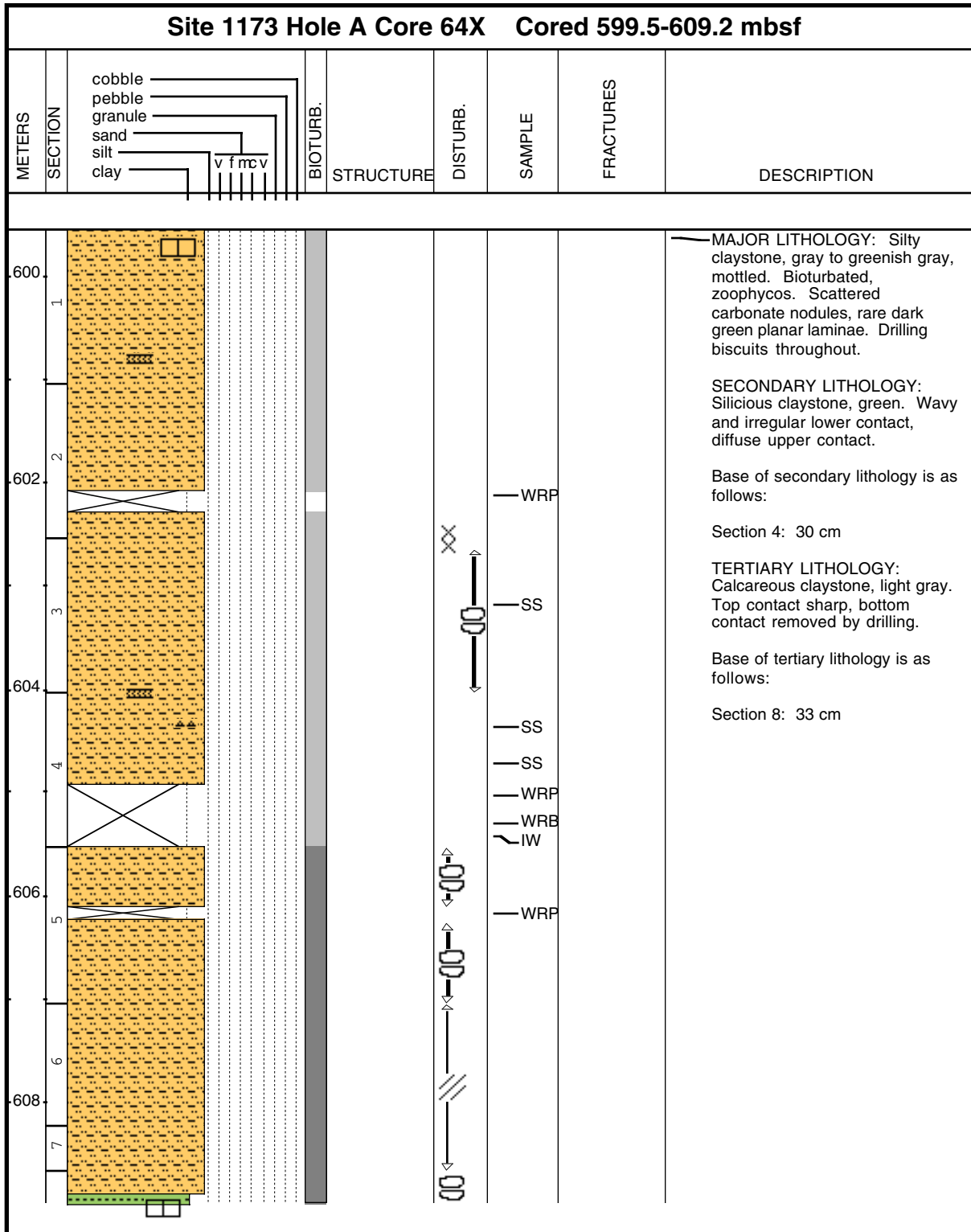
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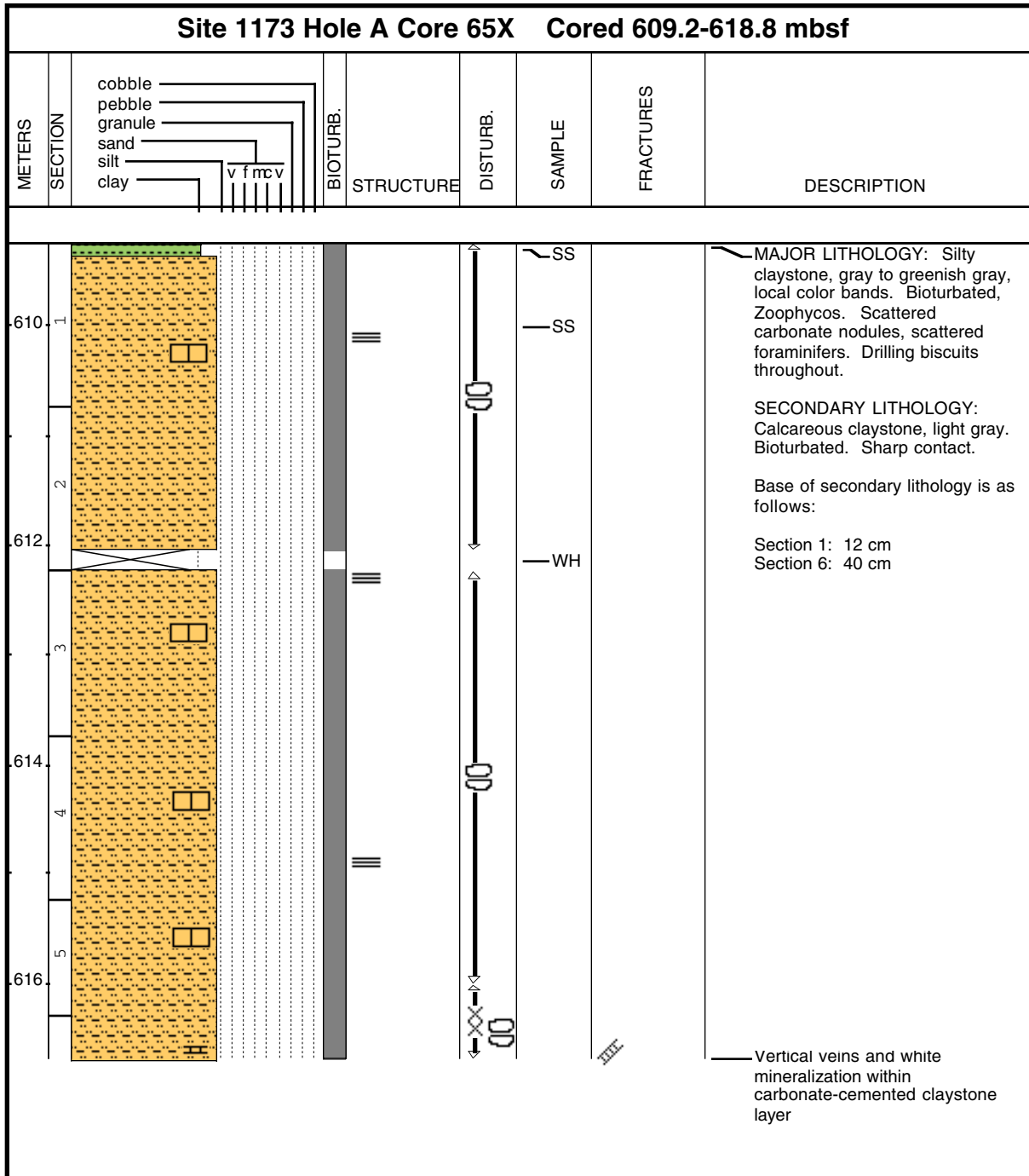
Core Photo

Site 1173 Hole A Core 63X Cored 589.9-599.5 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
		cobble pebble granule sand silt clay	v f mc v					
1								<p>MAJOR LITHOLOGY: Silty claystone, gray, mottled and bioturbated. Local carbonate concretions. Drilling biscuits throughout.</p> <p>SECONDARY LITHOLOGY: Carbonate-cemented claystone, brown. Plane-parallel bed. Top and bottom marked by 2 cm transition zones, greenish-brown.</p> <p>Base of secondary lithology is as follows:</p> <p>Section 1: 46 cm</p>

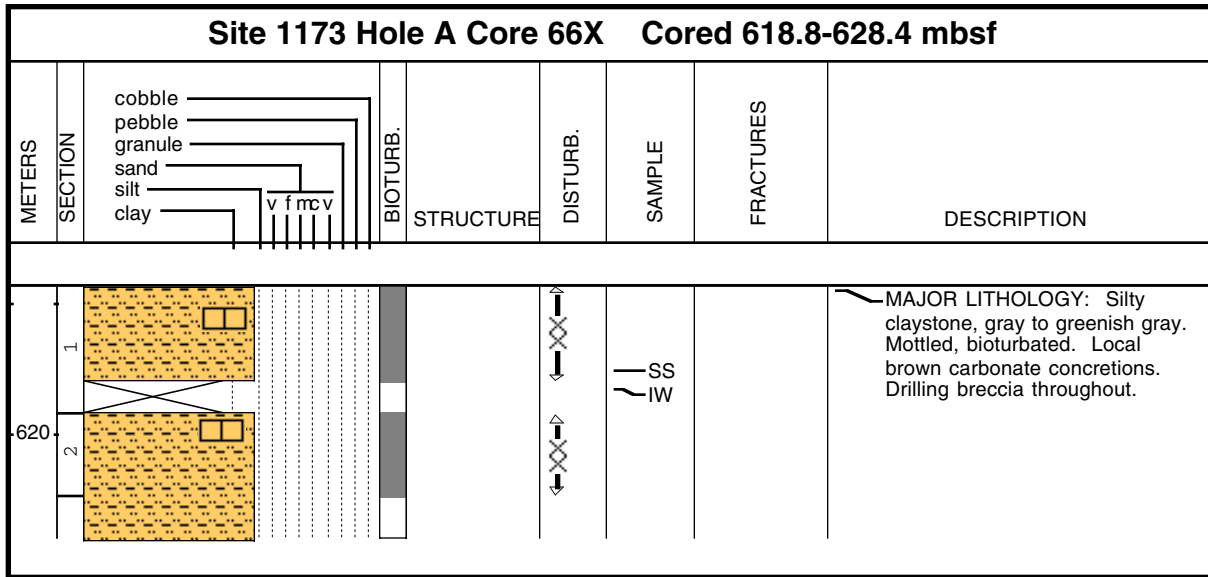
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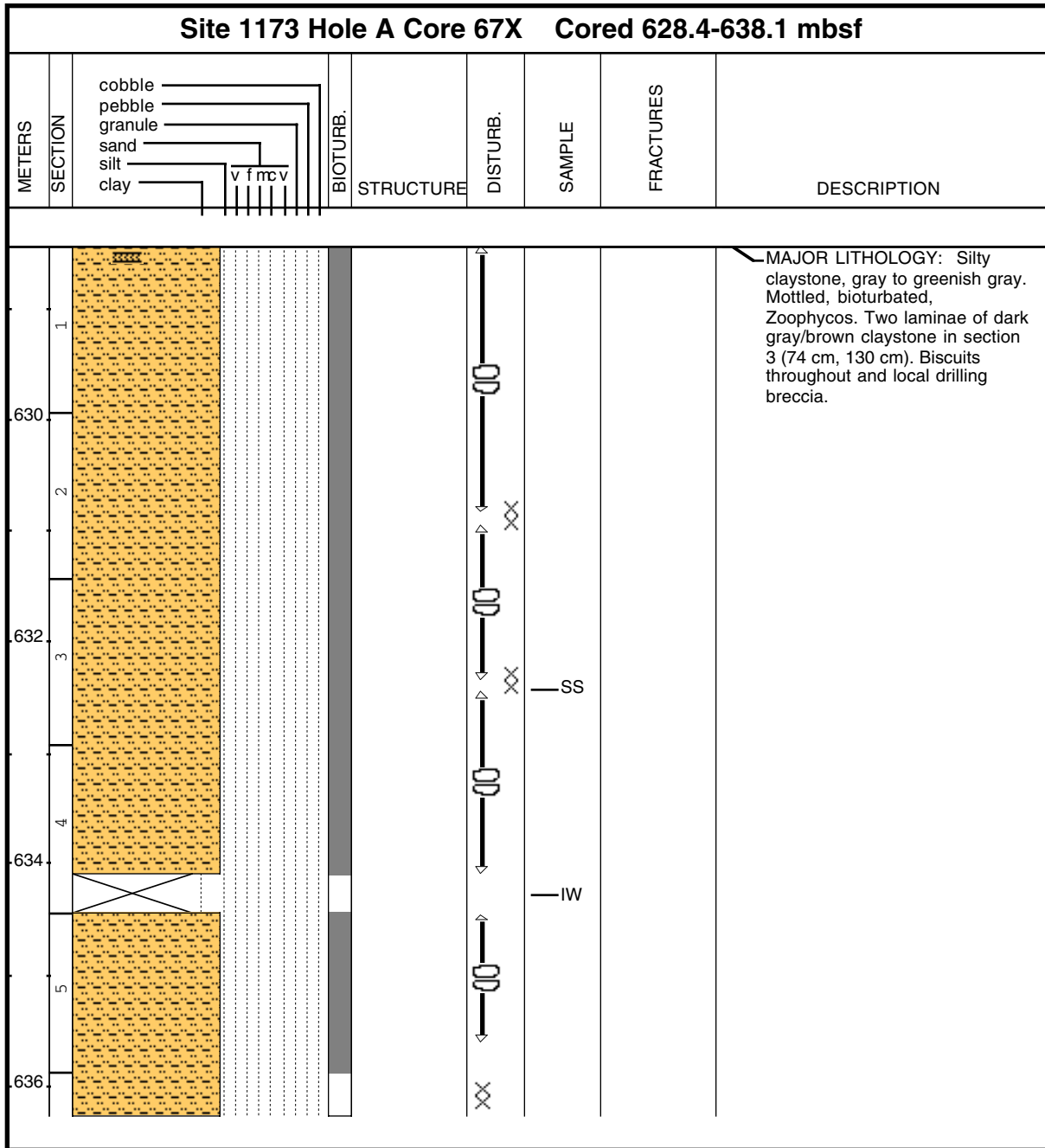
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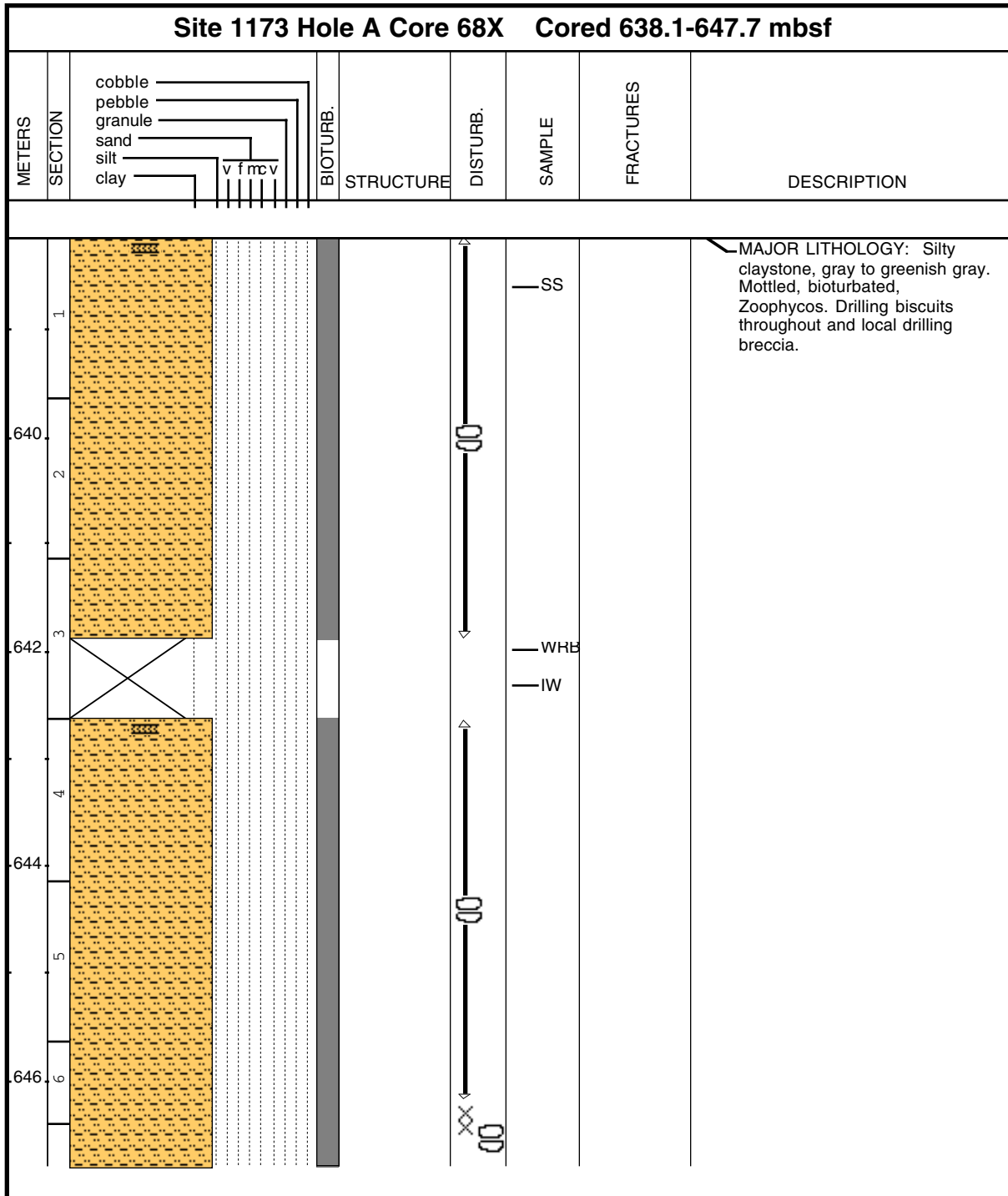
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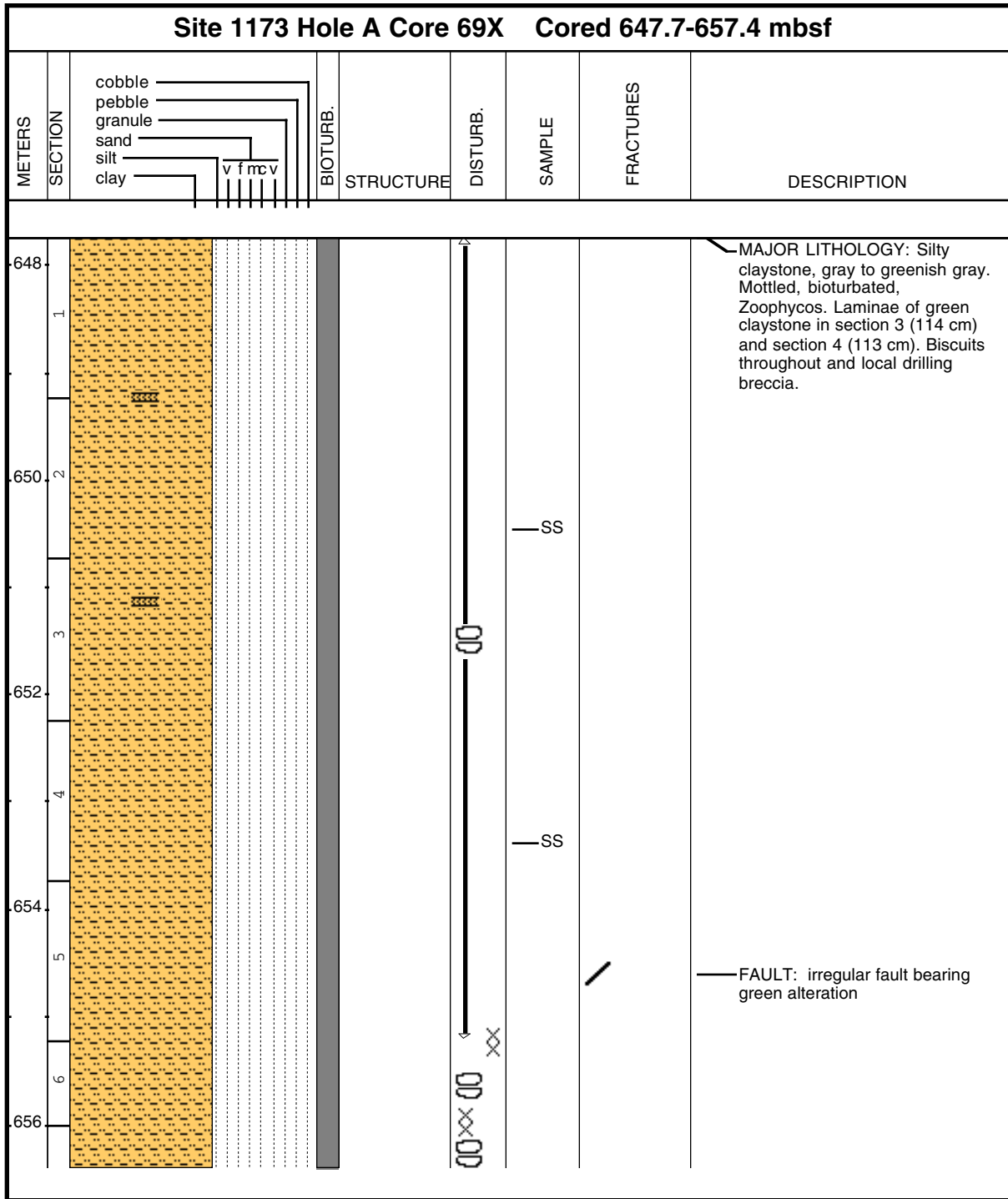
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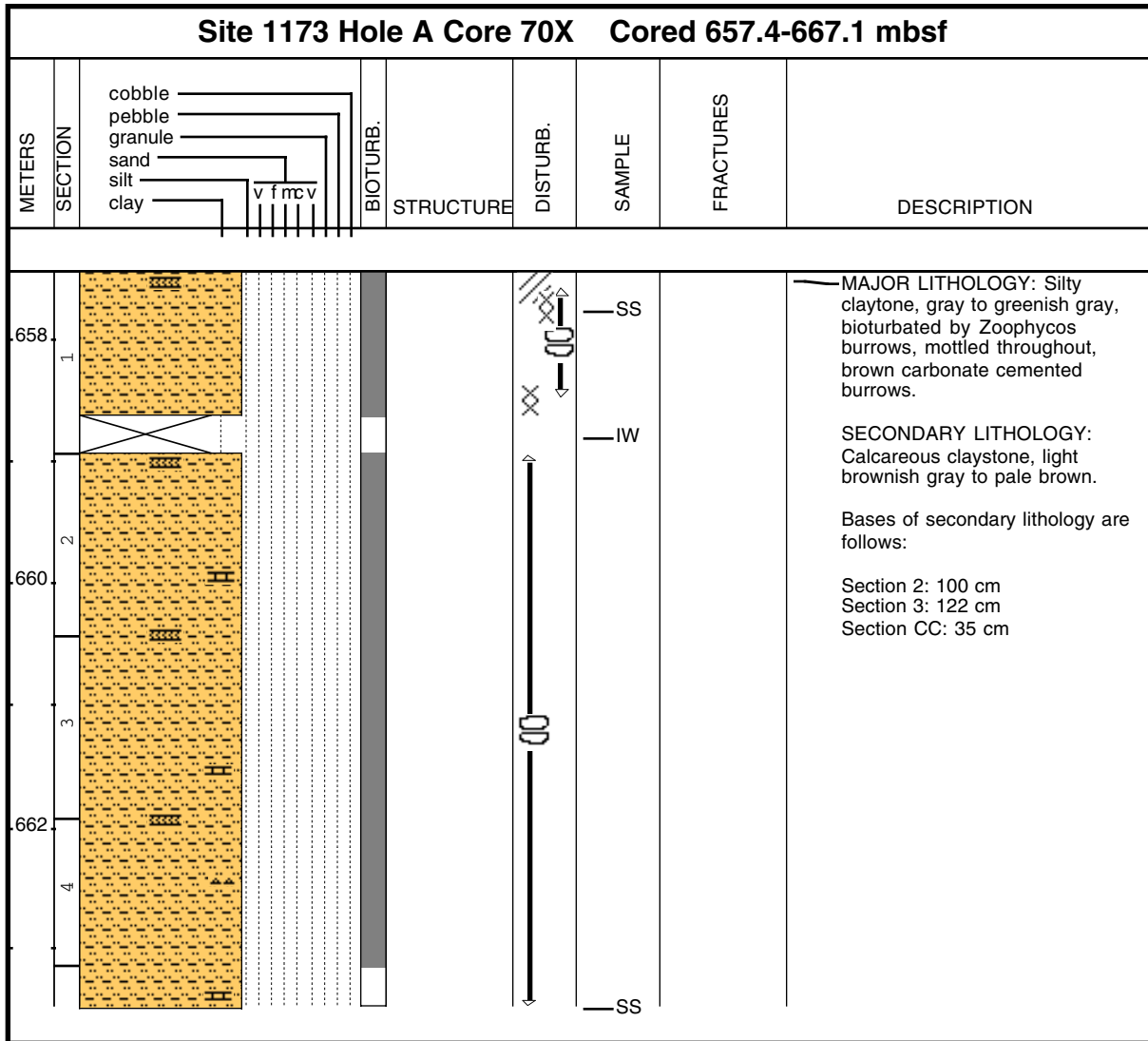
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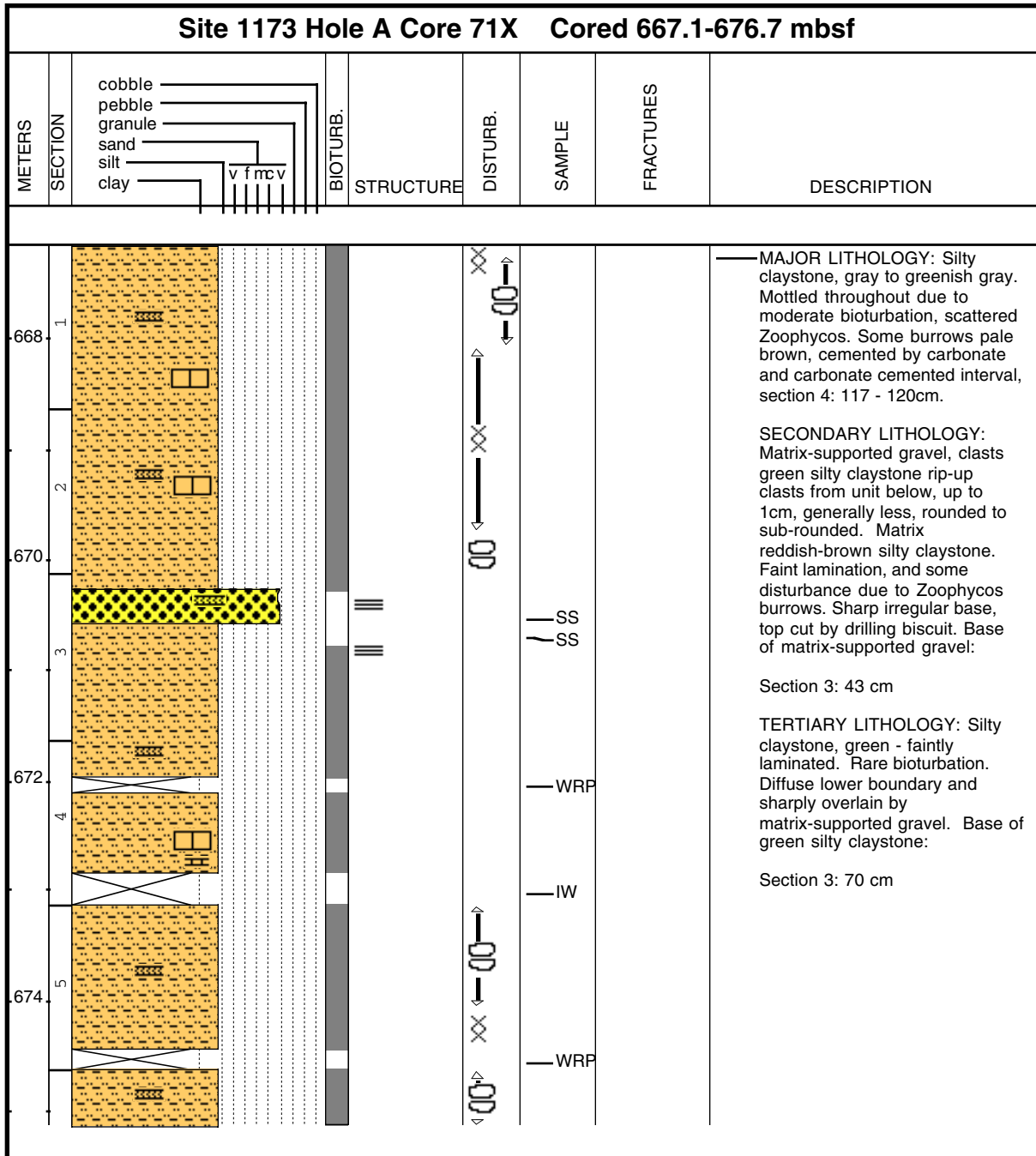
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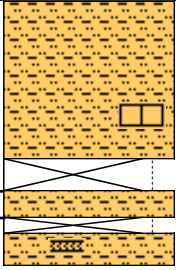

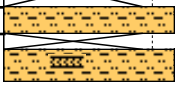
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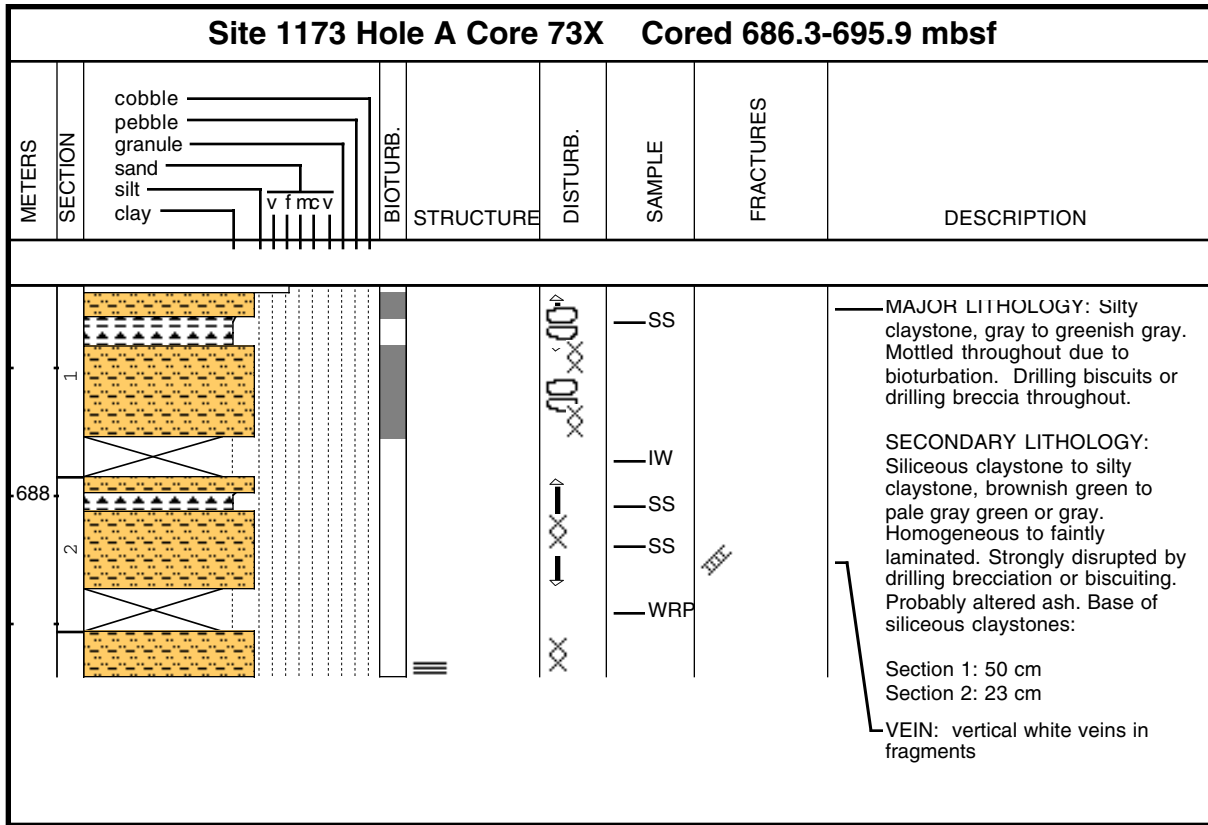
Core Photo



Core Photo

Site 1173 Hole A Core 72X Cored 676.7-686.3 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
		cobble pebble granule sand silt clay	v f mc v					
678	1					SS		MAJOR LITHOLOGY: Silty claystone, gray to greenish gray, mottled throughout due to bioturbation, pale brown cementation along burrows, with faint lamination.
	2							

Core Photo



Core Photo

Site 1173 Hole A Core 74X Cored 695.9-705.6 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
		cobble pebble granule sand silt clay v f mc v						
	1					SS		<p>MAJOR LITHOLOGY: Silty claystone, gray to greenish gray, moderately bioturbated.</p> <p>SECONDARY LITHOLOGY: Siliceous claystone, light greenish gray, extremely disrupted due to drilling. Probably altered ash bed.</p> <p>Base of secondary lithology is as follows:</p> <p>Section 1: 18 cm</p>


Core Photo

Site 1173 Hole A Core 75X Cored 705.6-715.3 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
1						SS		MAJOR LITHOLOGY: Silty claystone, gray to greenish gray. Mottled throughout due to bioturbation. Drilling biscuits throughout.

Core Photo

Site 1173 Hole A Core 76X Cored 715.3-724.6 mbsf								
METERS	SECTION	cobble pebble granule sand silt clay	BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
1					XX	— SS — SS		MAJOR LITHOLOGY: Silty claystone, gray to greenish gray, mottled due to bioturbation.

Core Photo

Site 1173 Hole A Core 77X Cored 724.6-734.3 mbsf								
METERS	SECTION	cobble pebble granule sand silt clay	BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
1					00	SS SS		<p>MAJOR LITHOLOGY: Silty claystone, greenish gray, mottled reddish brown and yellow. Some mottling due to bioturbation.</p> <p>SECONDARY LITHOLOGY: Basalt clast, dark gray, rounded 2 cm in diameter. Yellow alteration of claystones around clast surrounded by reddish brown alteration products. Base of basalt: SECTION CC: 25 cm</p>

Sample	Texture						Mineral										Biogenic						Rock			Comments					
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Muscovite	Opauques	Pyrite	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians		Silicoflagellates	Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments
1173	A	1	H	1	15	0.15	D		D	A	R	R		A	C	R		P	A		P	*	P	R	R	P	A		P	Silty clay/clayey silt	
	A	1	H	2	70	2.2	D		D	A	R	P		A	A	R	R	P	C		P	*	R	R	R	P	C		P	Silty clay/clayey silt	
	A	1	H	3	47	3.47	D		D	A	R	P		A	A	R	R	P	P		P	*	R	R	R	*	P	P	R	Clayey silt	
	A	1	H	5	27	6.27	D		D	A	*	P		A	A	P	*	P	C		P	*	R	R	P	P	C	P		Silt to silty clay	
	A	1	H	5	47	6.47	D		A	D	*	R		D	C	*	*	P	P		P	*	*	R	R	P	P	*		Silty clay	
	A	1	H	5	65	6.65	M	D	P	C	P	P		P	C	P	P	C	P		P	*	R	*		P	A		C	Clayey sand	
	A	2	H	1	87	8.01	D		D	A	*	*		C	C		*	C	P		P		R			P	P	C		Silty clay/clayey silt	
	A	2	H	1	113	8.27	D		D	A				A	C			P	C	C		P	P		P	P				Clayey silt	
	A	2	H	2	80	9.44	D		D	A				A	C			C	P		P		R			P				Clayey silt	
	A	2	H	3	73	10.87	D		A	D				D	C			P	C	P		R		C		R	P		C	Silty clay with pyrite	
	A	2	H	4	71	12.35	D		D	C	P			C	A		P	A			R		R						P	Clayey silt	
	A	2	H	7	35	16.49	M	C	D		P			A	A		P	A	R			*		*						A	Coarse silt to sandy silt
	A	3	H	1	68	17.32	D		D	C	R			C	A		P	A			R		P						C	Clayey silt	
	A	3	H	3	95	20.59	M	C	A	40				D				C											P	Fine sand, (from sieved sample - floaters)	
	A	3	H	5	40	23.04	M	C	D	C	R			C	A		P	A			R	R	P						A	Silt to sandy silt	
	A	4	H	3	65	28.53	D		D	A	R			A	C		P	C	R		P			R						Clayey silt to silty clay	
	A	4	H	5	80	31.68	M	D	A	P	R			R	A		P	A	P		*	*	*						A	*	Silty sand
	A	4	H	6	47	32.85	D	*	C	D	P			D	C			C	P		R		C	R	R	P			P	Silty clay	
	A	4	H	8	11	35.49	D	P	D	A	P			C	A		P	A	P		*	*	P						C	Clayey silt to sandy silt	
	A	5	H	1	38	36.02	M	D	C	C				*	C			P	D				P	*				P		Sand to clayey sand	
	A	5	H	2	61.5	37.76	M	P	D	A				A	C			P	P		R		P	*	*	C		R		Sandy silt	
	A	5	H	2	105	38.19	D	*	D	A				A	C			C	*		P		R	*	*	*	P			Silty clay	
	A	5	H	6	117	44.31	M	C	D	A	C			A	C			P	A					*	*	*		*		Volcanic ash	
	A	6	H	2	44	47.08	D	*	C	D	C			D	P			P	C		*		C	*	*	R		*		Silty clay	
	A	7	H	1	111	55.75	D	*	C	D	P							C	A		C		R	P	C	D		R		Silty clay	
	A	7	H	4	15	59.29	M	C	D	P	P							C	D		R		P	R	R	C		*		Volcanic ash	
	A	7	H	4	37	59.51	D		D	C		R		P	R	*		A	A		P		P	R	P	R				Clayey silt	
	A	7	H	6	8	62.22	D		D	C				C				P										D		Cluster of sponge spicules in silty clay	
	A	8	H	3	44	67.58	D		A	A				D	P			P	P		P		C	R	R	R		P		Clayey silt	
	A	8	H	5	70	70.84	M	D	A	C	P							A											C	Silty sand	
	A	9	H	1	101	74.65	M	D	C	C	C							C	A		P		R		R	R		C		Volcanic ash	
	A	9	H	3	81	77.45	D		A	A	C							C	R		P			R				A		Clayey silt	
	A	10	H	2	92	85.56	M	D	A	C	P			C	P			P	A		P		P	C	P		P			Volcanic ash	
	A	10	H	3	2	86.16	M	D	A	C	P			C	P			P	A			P	P					P		Volcanic ash	
	A	10	H	4	72	88.36	D		A	A				A	R			P	D		P		R	P	R	P				Silty clay	
	A	10	H	6	135	92.05	M	A	A	C	P			P	P			P	D				P					P		Volcanic ash	
	A	11	H	5	121	99.85	M	A	A	A					P			P	A									A		Volcanic ash/lapilli	
	A	12	H	2	134	104.98	M	D	A	C								P	D											Volcanic ash	
	A	12	H	4	111	107.75	M	D	A	C	P				P				D				C			P				Volcanic ash	
	A	12	H	4	125	107.89	M	D	A	C	C				P			P	A		R		C	P	R	P		A		Volcanic ash	
	A	12	H	6	9	109.73	M	A	A	C	P							P	D				R							Volcanic ash	
	A	13	H	2	94	114.08	D		A	D	R			A				P	P		R		C			P		C		Silty clay	
	A	13	H	3	145	116.09	D		D	A				A	P	P			C				P					A		Silty clay	
	A	14	H	3	106	125.2	M	D	A	C				C	P				D				P							Volcanic ash (white)	

Sample	Texture						Mineral													Biogenic						Rock			Comments				
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Muscovite	Opauques	Pyrite	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Igneous Rock Fragments		Lithic Fragments	Metamorphic Rock Fragments		
1173																																	
A	14	H	7	29	130.18	D		A	A					D	P			P	P				P								C	Silty clay	
A	15	H	1	70	131.34	D		A	D				D		R			P	P			C	R	P	P		P				Silty clay		
A	15	H	1	143	132.07	M	A	A	A	C				P					C	C			R	C					C	Volcanic ash			
A	16	H	1	40	140.54	D		A	D	R			A	P		P		P	C			P	R	R	P	P	P			Silty clay			
A	16	H	2	90	142.54	D		A	D	P			A	P				P	A					R	*	*	P			Silty clay			
A	16	H	5	113	147.27	M		D	*	R									D											Volcanic Ash			
A	17	H	1	50	150.14	M		D	*	P				P		P		P	D											Volcanic Ash			
A	17	H	3	50	153.14	D		A	A	P			A	P		P		P	A			R	C	R	R	P			Silty clay				
A	18	H	4	85	164.49	D		D	A				A	R		R		P	A					P			R			Silty clay			
A	19	H	1	20	168.84	M	C	D		P									D											Volcanic ash (white to green)			
A	19	H	1	93	169.57	M	A	A	C	R								P	D								P			Volcanic ash (pale gray)			
A	19	H	1	96	169.6	M	C	D	C							A		P	A								P			Volcanic ash (dark gray)			
A	19	H	1	97	169.61	M	C	D									R		P	D							P			Volcanic ash (pale gray)			
A	19	H	3	103	172.67	M	A	A	C									R	D											Volcanic ash (white)			
A	20	H	2	27	179.91	M	C	D	C							C		P	D								R			Volcanic ash (medium gray)			
A	21	H	3	53	191.17	D		D	A				A		R			P	P				A			R				Silty Clay			
A	21	H	6	111	196.25	M	D	A	C	P				P				P	D				P							Volcanic ash			
A	22	H	1	76	197.9	M	C	D	C	P								P	D				R							Volcanic ash			
A	22	H	2	81	199.45	M	C	D	C	P					P			P	D					P						Ash bed			
A	22	H	2	56	199.2	M	A	A	C	P				P				P	D				P							Ash bed			
A	22	H	2	99	199.63	D		D	A									A										A		Silty Clay			
A	23	H	1	129	207.93	M	C	A	A	P								P	D	P								P		Volcanic ash			
A	23	H	3	52	210.16	M	A	A	A	P						P		P	D	P								P		Volcanic ash, black			
A	23	H	5	96	213.6	D		A	D	P			D					P												P	Silty clay		
A	23	H	6	20	214.34	D	C	A	D				D					P						P		P				Silty clay			
A	24	H	1	80	216.94	D	P	D	C				A	R				P										A		Silty clay			
A	24	H	3	102	220.16	M	D	C	C	P				P				P	D	R			P							Volcanic ash (dark gray to green)			
A	25	X	3	33.5	228.98	M	D	A	C	P						P		C	D											Volcanic ash (pale gray)			
A	25	X	3	35	228.99	M	A	A	A	R			P					P	D								P			Volcanic ash (white)			
A	25	X	3	38	229.02	M	C	D	A	P			C					P	D								P			Volcanic ash (green)			
A	25	X	5	21	231.85	M	D	A	P	P						C		C	D								C			Volcanic ash			
A	26	X	1	80	236.04	D	C	A	D				D					P	C											Silty clay			
A	26	X	5	72	241.96	M	C	D	P					P				P	D	R							P			Volcanic ash (light/dark gray)			
A	27	X	3	46	248.4	D		A	D				D					P	P	R				C				P		Silty clay			
A	28	X	3	100	258.54	D	C	C	D				D		R			P	C	P				C	R			P		Silty clay			
A	28	X	CC	8	264.13	M	C	D	C	P						C		P	D								R			Volcanic ash (dark gray laminae)			
A	28	X	CC	12	264.17	M	A	D	C	P						P		P	D	P										Volcanic ash (pale gray)			
A	29	X	1	106	265.1	M	A	D	C	P						C		P	D	P										Volcanic ash (gray)			
A	29	X	3	105	268.09	D		A	A	R																					Silty clay		
A	29	X	3	129	268.33	M	C	A	A	P			A					P	D	P										Tuffaceous silty clay			
A	29	X	3	105	268.09	D		A	A				D					P	A	P				C						Silty clay			
A	30	X	2	67	275.81	D	C	A	D				A					C	C	P				P				P		Silty clay			
A	30	X	4	11	278.25	M	C	A	A							P		P	D	P	P									Volcanic ash (gray)			
A	31	X	2	107	285.81	M	C	A	A	R			A					A	P					P			P			Silty clay (tuffaceous green laminae)			
A	32	X	3	68	296.62	M	A	D	C	R						C		D	P									R		Volcanic ash (dark gray)			
A	32	X	3	74	296.68	M	A	A	C				P					R	P	D	P									Volcanic ash (white)			

Sample	Texture						Mineral												Biogenic						Rock		Comments								
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Muscovite	Opauques	Pyrite	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates		Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments				
1173																																			
A 33	X	3	119	306.83	M	D	A	C	P									P	D				P										Volcanic ash, purplish-gray		
A 33	X	5	83	309.47	D	R	C	D					D					P					P						P				Silty clay		
A 34	X	1	100	312.94	D	C	A	D						R				P	P	P				C					P				Silty clay		
A 34	X	7	10	321.04	M	D	A	C					C	P		R		P	D	P	R		P										Volcanic ash, brown-gray		
A 35	X	1	100	322.54	D	P	A	D					D					P		P				P				P					Silty clay		
A 36	X	1	110	332.24	D		A	D	R					D	R				P					R					R					Silty clay	
A 36	X	2	115	333.79	M	D	A	C	P									P	D	P														Volcanic ash, dark gray	
A 37	X	3	1	343.75	M	D	A	C						P				P	D					P				P						Volcanic ash, dark brown/gray	
A 37	X	3	88	344.62	M	D	A	C					C						A	C								A						Sand	
A 37	X	4	77	346.01	D	C	A	D					D					P		R			P					P						Silty clay	
A 38	X	2	102	352.86	M	C	A	D				C	A					P		P								A						Silty clay clast in clay-supported gravel	
A 38	X	2	107	352.91	M		A	D	R			A	A					P	C	P														Clay matrix with carbonate cement to gravel	
A 39	X	1	98	360.92	M	C	D	C								C		P	D	C									C					Volcanic ash - glass altered (dark gray)	
A 39	X	4	80	365.24	M		C	D					D		R			P		P			A					P						Claystone with abundant nannofossils	
A 39	X	4	85	365.29	D	P	A	D	P					D				P	C	P				P				P						Silty clay to clayey silt	
A 39	X	6	143.5	368.87	M	C	D	C								C		P	D	P									P					Volcanic ash - glass altered (pink)	
A 40	X	3	86	373.5	M	C	A	D					A					P	A	C			C					R						Volcanic ash - altered glass (black)	
A 40	X	7	41	379.05	D	C	D	A	P			P	D					P	C	P			C					P						Silty clay / clayey silt	
A 41	X	4	39	384.13	M		D	C	P				C			D		P	C	P															Volcanic ash - glass altered (dark gray)
A 41	X	6	30	387.04	M	C	D	C					C			C			D	C								P							Volcanic ash - glass altered (dark gray)
A 41	X	6	34	387.08	M	C	D	A	P							C		C	D	P															Volcanic ash - glass altered (green)
A 42	X	3	45	392.29	M	P	C	D					D					P		P				P											Sandy clay (green)
A 42	X	5	89	395.73	D		A	D					D					P		P				P											Silty clay
A 43	X	1	126	399.7	M		C	D											D		R			P											Silty clay
A 43	X	4	68	403.62	D		A	D					D						P					P											Silty clay
A 43	X	5	27	404.71	D		A	D					D							P					P										Silty claystone, dark gray
A 44	X	2	64	410.18	D		A	D										P		P				P											Silty claystone
A 44	X	6	141	416.95	D		A	D					D					P		P				P											Silty claystone
A 44	X	7	11	417.15	D		A	D					D					P		P															Silty claystone
A 45	X	1	11	417.75	D		A	D												P				P											Silty claystone
A 45	X	1	32	417.96	M		A	D					D							P				R											Silty claystone, green
A 45	X	4	81	422.95	D		A	D					D						R		P			R											Silty claystone
A 46	X	1	91	428.15	M		D	A								P		P	P	A				R											Silty claystone, green
A 46	X	5	57	433.81	D		D	A					D			R		A		P				R											Silty claystone
A 47	X	3	8	439.52	D		D	C	P				D					P				P								P					Silty claystone
A 47	X	3	21	439.65	D	C	A	A				C	D							P				A											Silty claystone
A 47	X	3	21	439.65	M		C	D					D							P				A											Claystone with abundant nannofossils (cement)
A 47	X	5	71	443.15	D	C	C	D					A					P		P				C					C						Silty claystone
A 48	X	1	90	446.74	D	C	A	D				P	D					P		P				C											Silty claystone (dark gray)
A 48	X	4	104	451.38	D	P	C	D				P	D			R		P		P											R				Silty claystone
A 48	X	5	87	452.71	D	C	A	D	P				D			C		P		P										C					Silty clay (green laminae)
A 49	X	3	95	458.99	D		A	D					P	D				P		P									P						Silty clay
A 49	X	4	119	460.73	M		D	D				C	A					P		P				C											Claystone with abundant nannofossils (cement)
A 49	X	5	23	461.27	D		A	D					P	D			P		P										P						Silty claystone (dark alteration)
A 49	X	6	130	463.84	M	A	A	C					D			C			P	P									P						Siliceous claystone (altered glass)
A 50	X	5	18	470.82	M		D					D	C				P			P															Carbonate cemented burrow

Sample	Texture						Mineral												Biogenic						Rock		Comments					
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Muscovite	Opauques	Pyrite	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates		Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments	
1173																																
A	50	X	6	120	473.34	M	C	D	A			A	A			C			P	R			A						P		Claystone with abundant nannofossils (cement)	
A	51	X	4	33	479.17	M		A	D	R		D	A																		Claystone with abundant nannofossils (cement)	
A	51	X	5	27	480.61	D	A	A	A							C					P							C		Carbonate sitstone (concretion)		
A	51	X	6	21	482.05	D		A	D				D						P				*							Silty claystone		
A	52	X	1	72	484.76	M		D	C			D	P						C				R							Silty claystone		
A	52	X	3	71	487.75	D		D	C				D			R			C	P			R							Silty Claystone (Brown laminae)		
A	53	X	5	73	500.47	D		D	C			R	D			P		A	P				P							Silty Claystone		
A	54	X	1	100	504.34	D	P	A	D			P	D						P											Silty claystone		
A	54	X	4	94	508.78	M	C	D	A			D	A					R		R										Carbonate cemented claystone		
A	55	X	2	80	515.34	D	P	A	D			P	D						P											Silty claystone		
A	55	X	2	115	515.69	M	C	A	D			D	A			*			*											Carbonate cemented claystone		
A	56	X	3	91	526.25	D		C	D				D					R					P							Silty claystone		
A	56	X	4	45	527.29	M		A	D			D	A			R														Carbonate cemented claystone		
A	56	X	CC	22	532.06	M		A	D			A	D			R														Carbonate cemented claystone		
A	57	X	2	19	533.73	M	C	D	C				D						P		R									Carbonate cemented claystone		
A	57	X	4	69	537.23	M	C	D	C				D					C	P	P								P		Siliceous claystone dark gray		
A	57	X	6	69	540.23	D		A	D	P			D				P	P	P				C							Silty claystone		
A	58	X	3	11	544.85	M		D	A				A				A	P	P	C								P		Siliceous claystone/siltstone (dark gray)		
A	58	X	4	67	546.91	M		A	A			A	A					P	P				P							Carbonate cemented claystone		
A	58	X	6	82	550.06	M	C	D	C				D					P					P							Siliceous claystone (altered ash)		
A	59	X	1	26	551.6	M	C	D	C				D					P		P	P									Siliceous claystone (green - altered ash)		
A	59	X	5	120	558.54	M	C	D	C	P			A				A				P									Siliceous claystone (grey - altered ash)		
A	60	X	2	130	563.84	M	C	D	C				D				C	P	R	C										Siliceous claystone (dark gray - altered ash)		
A	61	X	3	124	574.98	M		A	D			A	D						P	P	P									Carbonate cemented claystone layer		
A	62	X	5	46	586.9	D		C	D			P	D						P	P	P									Silty claystone		
A	63	X	1	4	589.98	M		A	D			D	A																	Carbonate cemented claystone		
A	63	X	1	39	590.33	M		A	D			D	A								R									Carbonate cemented claystone		
A	63	X	1	42	590.36	M	R	A	D			D	A							R										Carbonate cemented claystone		
A	63	X	1	77	590.71	D		A	D			P	D							R		R								Calcareous claystone		
A	64	X	3	64	603.18	D		A	D				D						P		P			R						Silty claystone		
A	64	X	4	30	604.34	M		A	D				D				P				R			R						Silty claystone (green)		
A	64	X	4	64	604.68	M		A	D			A	A							P												
A	65	X	1	5	609.29	M		C	D			*	D	A																Calcareous claystone		
A	65	X	1	76	610	D		A	D			* C	D	R		R		R												Silty claystone		
A	66	X	1	65	619.49	D		A	D			* P	D		*	R		R					P							Silty claystone		
A	67	X	3	97	632.41	D		A	D			*				D		R	P				R							Silty claystone		
A	68	X	1	45	638.59	D		C	D	P		P	A				P	P	P					A						Silty claystone		
A	69	X	2	120	650.44	D	A	A	A	P		P	D				P	P					P							Silty claystone		
A	69	X	4	113	653.37	D	C	A	A				D				P	P						P						Silty claystone		
A	70	X	1	33	657.77	D	C	A	A	P			D				P	P	P									P		Silty claystone		
A	70	X	CC	33	663.47	M	C	A	A			D	A						R											Carbonate cemented claystone		
A	71	X	3	39	670.53	M		A	D	P		P	A			P														Brown silty claystone matrix to gravel		
A	71	X	3	60	670.74	M	A	A	A				D			P	P	P	C								P			Green silty claystone to siliceous claystone		
A	72	X	1	42	677.16	D		A	D	P		R	D							P	C									Silty claystone		
A	73	X	1	31	686.65	M	C	A	D	P			D				P			P	C									Siliceous claystone (greenish brown)		
A	73	X	2	18	688.02	M	C	A	A				D					P	P	C							P			Siliceous claystone		

Sample					Texture			Mineral										Biogenic						Rock			Comments			
Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Muscovite	Opauques	Pyrite	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules		Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments
1173																														
A	73	X	2	53	688.37	M	C	A	A			P	D					P		C									P	Siliceous claystone
A	74	X	1	13	696.07	M	A	A	A			P	D					P	P	P								P	Siliceous claystone	
A	75	X	CC	7	705.71	D	C	A	A			P	D			P		P		C			P					P	Silty claystone	
A	76	X	CC	10	715.44	D		A	D	P		P	D			P		P		P			C					P	Silty claystone	
A	76	X	CC	36	715.7	M	C	A	A	P			D			P		P		C								P	Siliceous claystone	
A	77	X	CC	22	724.86	D	C	A	A			P	D			P		P										P	Red stained silty claystone	
A	77	X	CC	23	724.87	D	C	A	A			P	D			P				C			C					P	Yellow stained silty claystone	

Sample						Texture			Mineral										Biogenic							Rock				Comments			
Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Sand	Silt	Clay	Accessory Minerals	Amphibole	Carbonate	Clay	Fe Oxide	Feldspar	Mica	Opalines	Pyrite	Quartz	Volcanic Glass	Diatoms	Foraminifers	Radiolarians	Nannofossils	Plant Debris	Silicoflagellates	Sponge Spicules	Carbonate Grains	Lithoclast	Metamorphic Rock Fragments		Pumice	Volcanic Fragments	
1173																																	
A	2	H	7	35	16.49	A	D		P					A	C	P		A			P				P						P	P	Sandy silt
A	3	H	3	95	20.59	A	D		P					A	P	P		A			P	P			P	P						P	Sandy silt
A	4	H	3	41	28.29	D	A		P					A	C	P		A			P				R	R			P	P	C	Sand	
A	7	H	2	65	56.79	D	A		P					A	C	P		A		R	P	R			R				P	P	P	Sand	
A	8	H	5	72	70.86	D	A		P					A	P	C		A			R				R				P	P	P	Sand	
A	9	H	1	11	73.75	D	A		P					A		P		A			P								P	P	A	Silty sand	
A	21	H	4	99	193.13	A	A							C			A		A														Pyritised pumice clast
A	65	X	CC	32	616.62			D			A	A		C																D		Carbonate-cemented claystone - vein	
A	77	X	CC	25	724.89	D						C	A		C			D														Altered basalt	