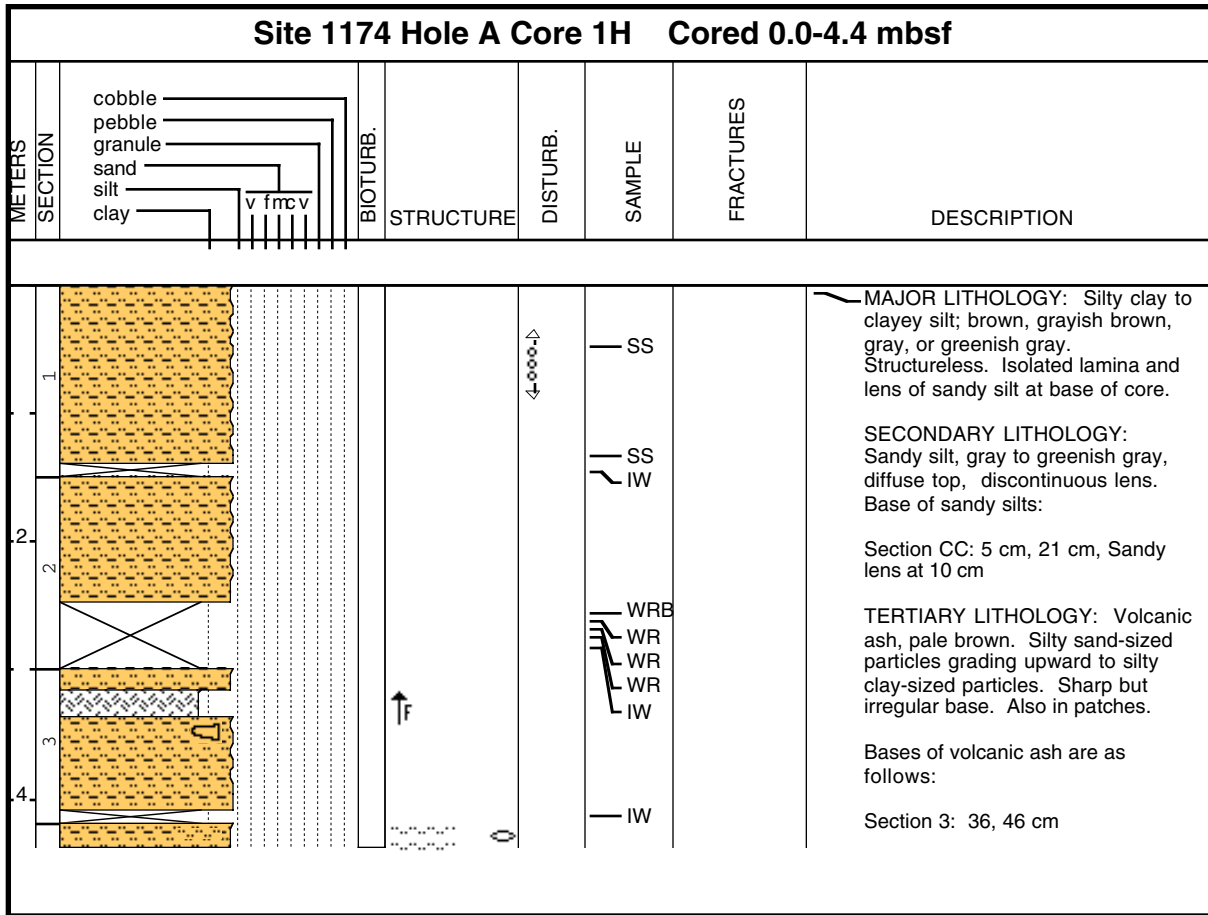
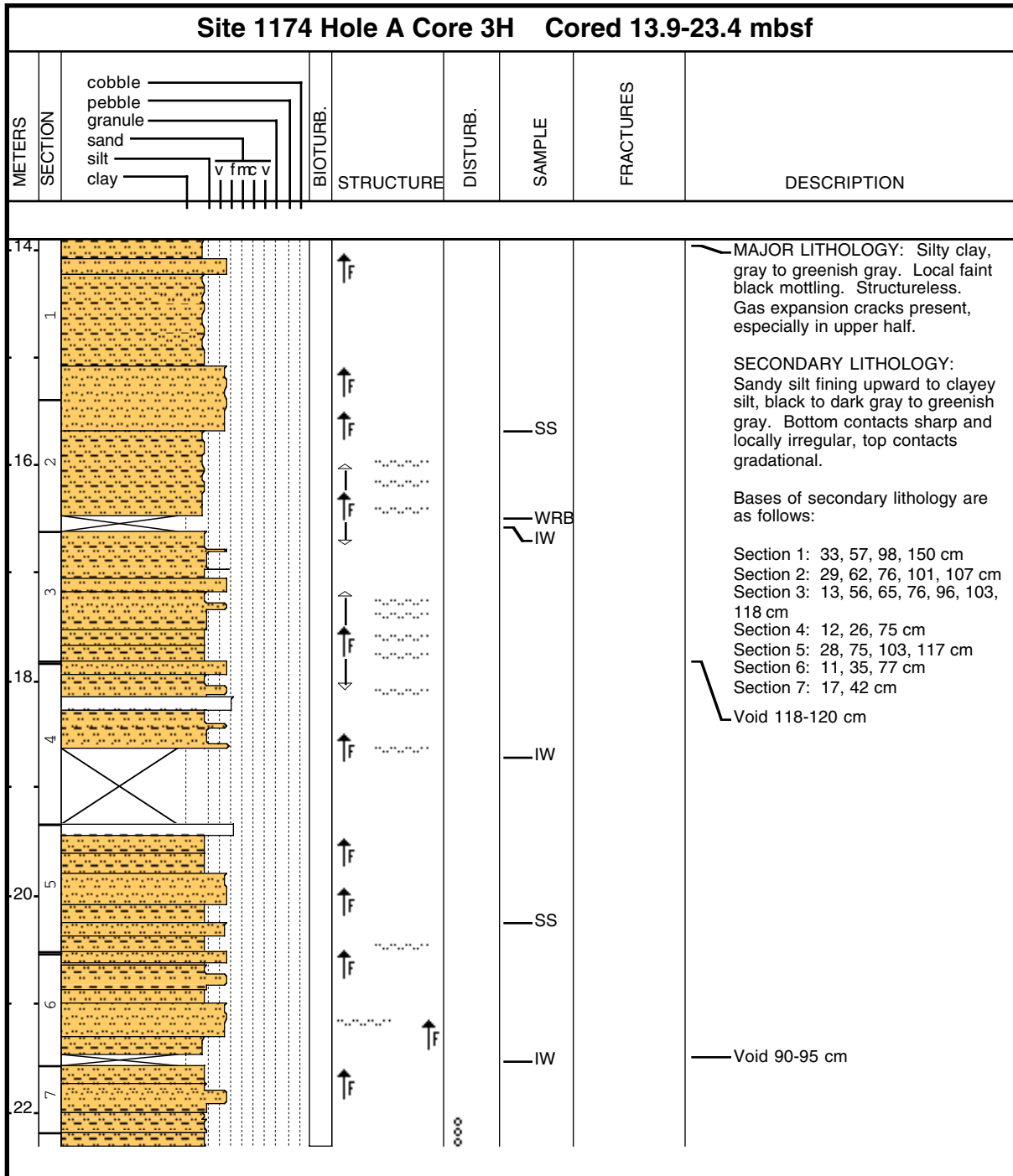


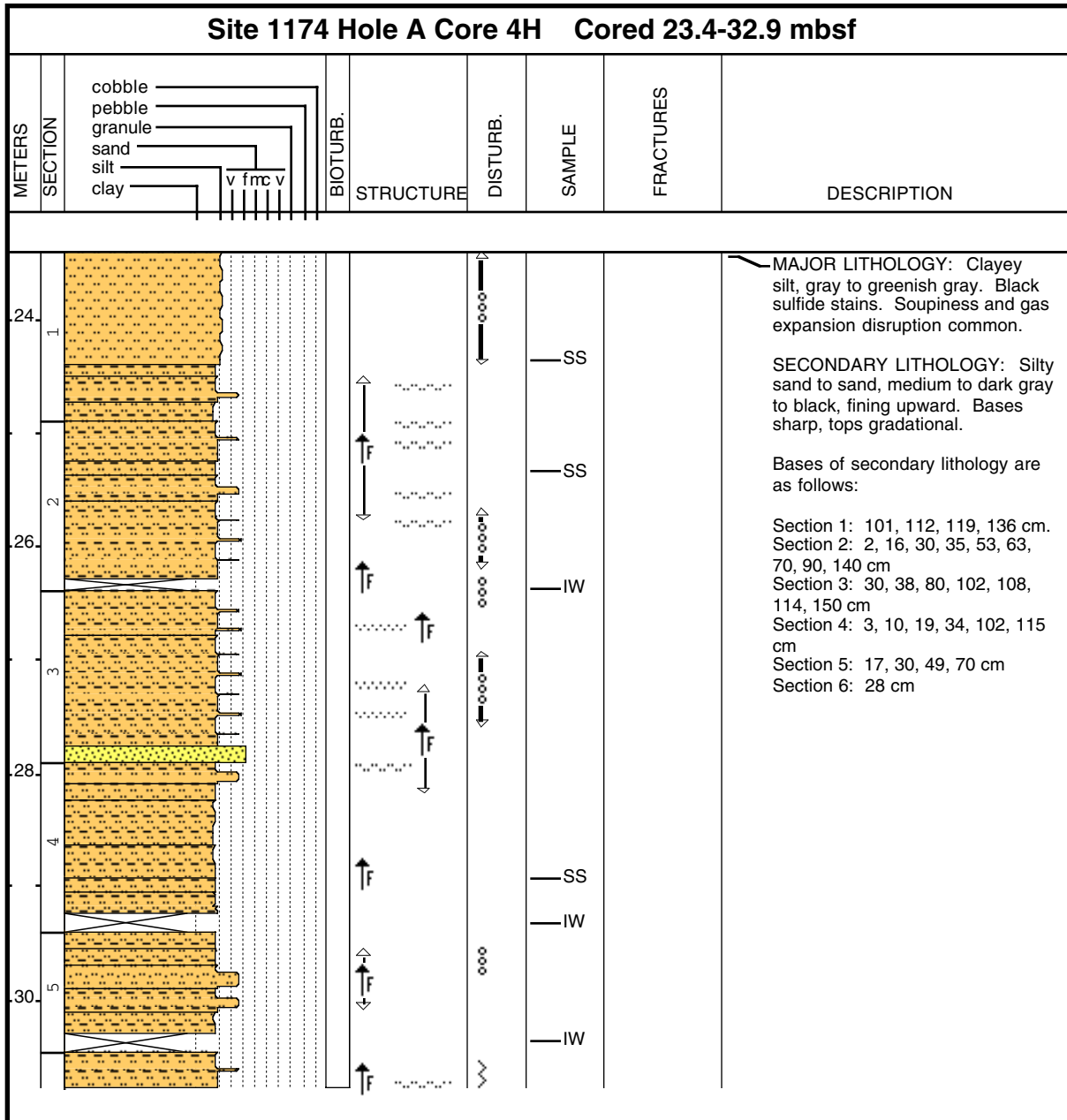
Core Photo



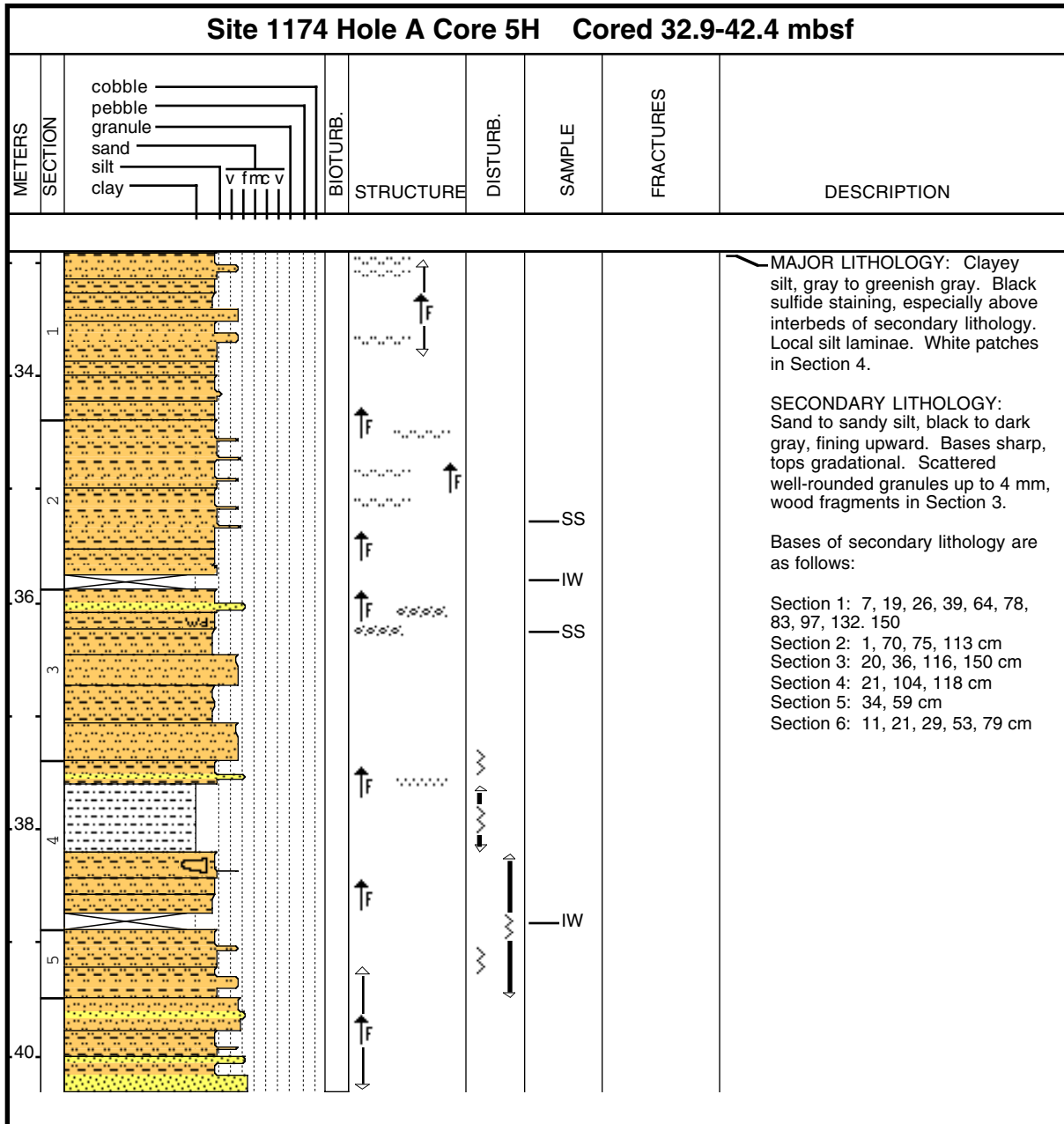
Core Photo



Core Photo

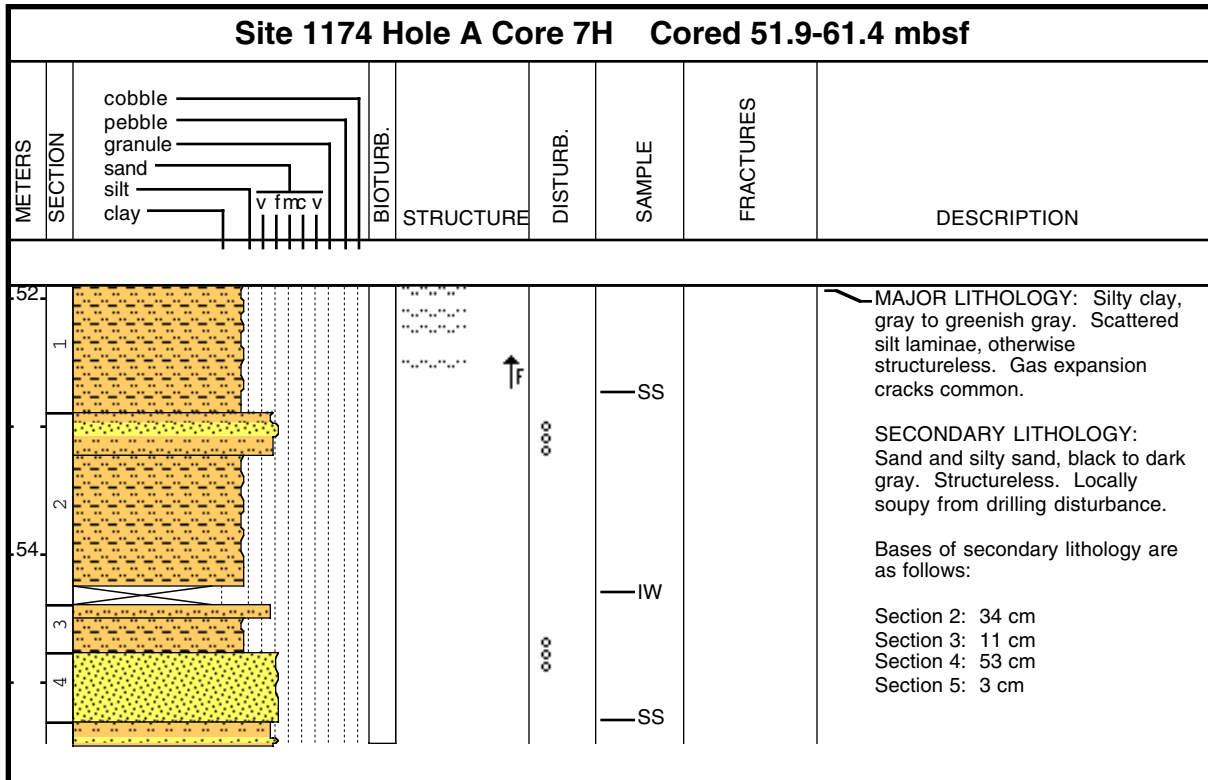


Core Photo

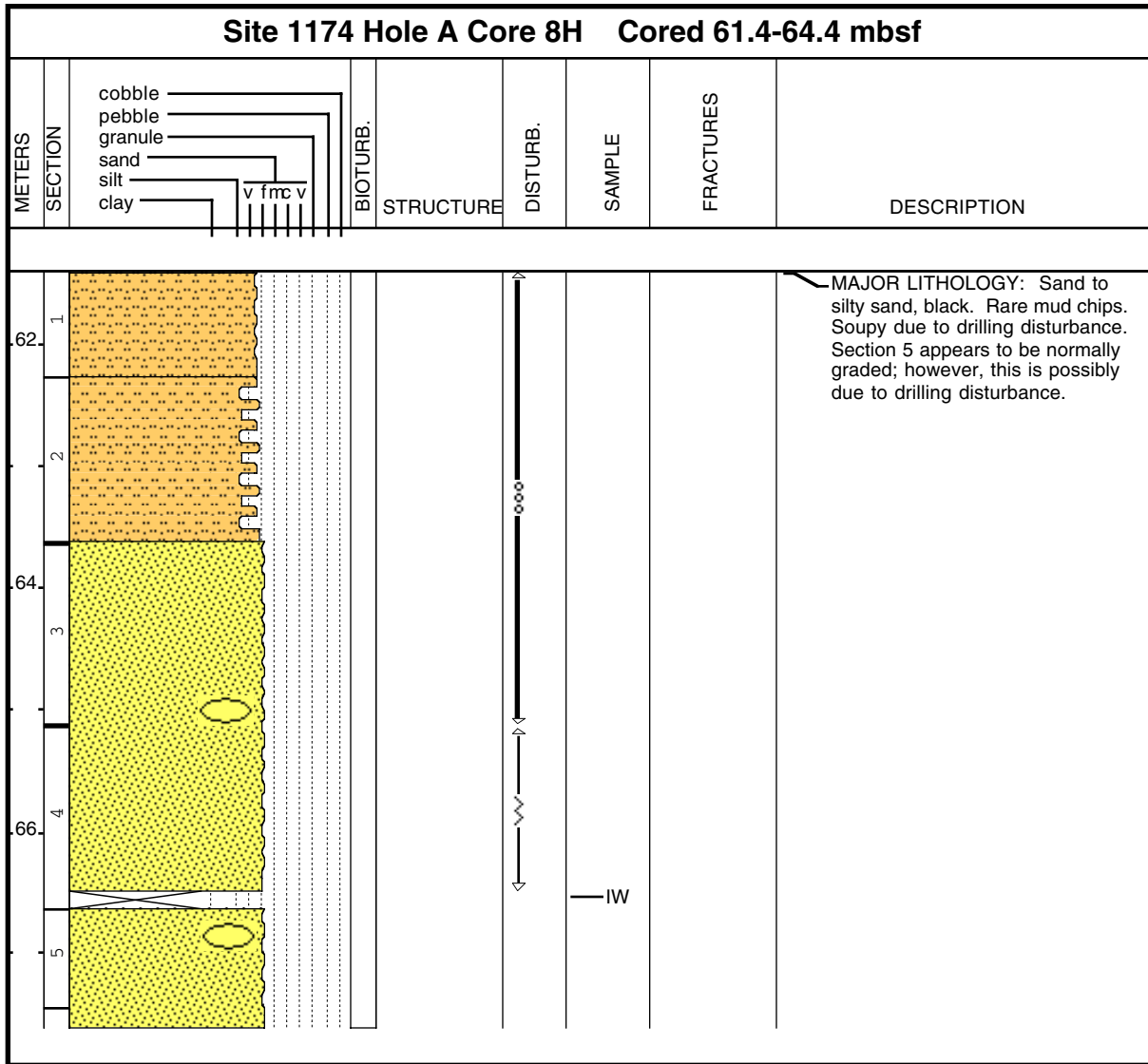


1174A-6H NO RECOVERY

Core Photo

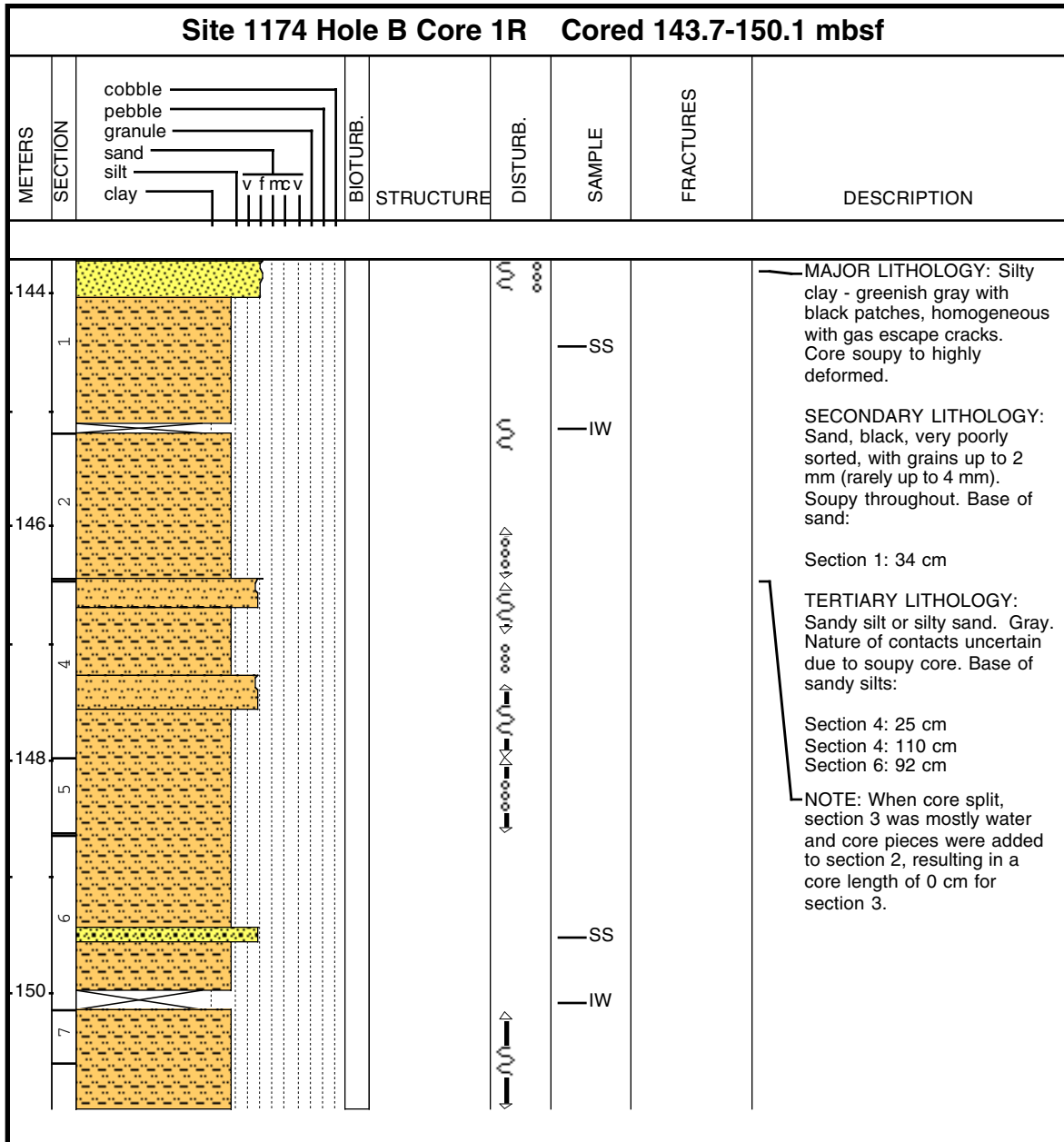


Core Photo



1174A-9X NO RECOVERY

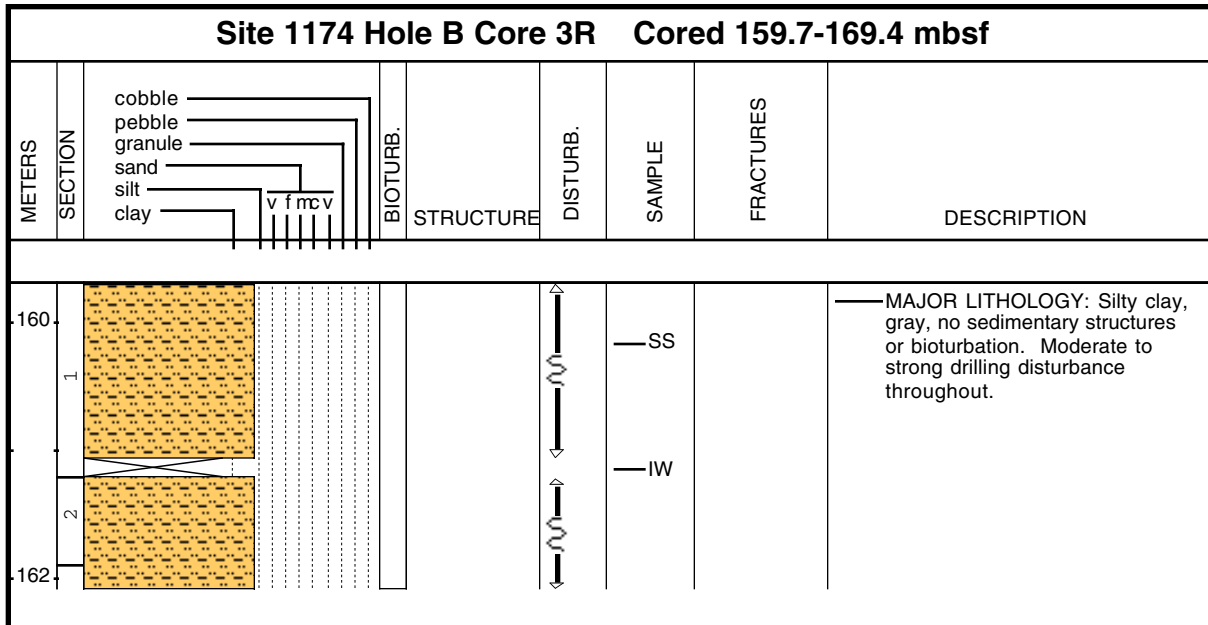
Core Photo



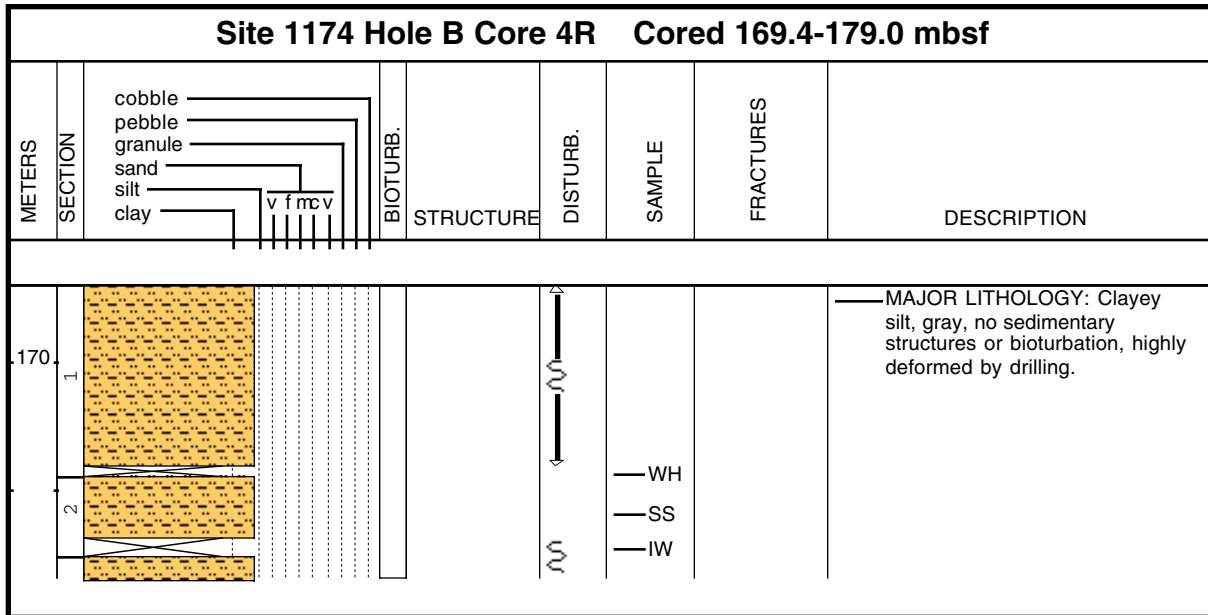
Core Photo

Site 1174 Hole B Core 2R Cored 150.1-159.7 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
1								MAJOR LITHOLOGY: Clayey silt, dark gray, highly disturbed core.
						— SS — IW		

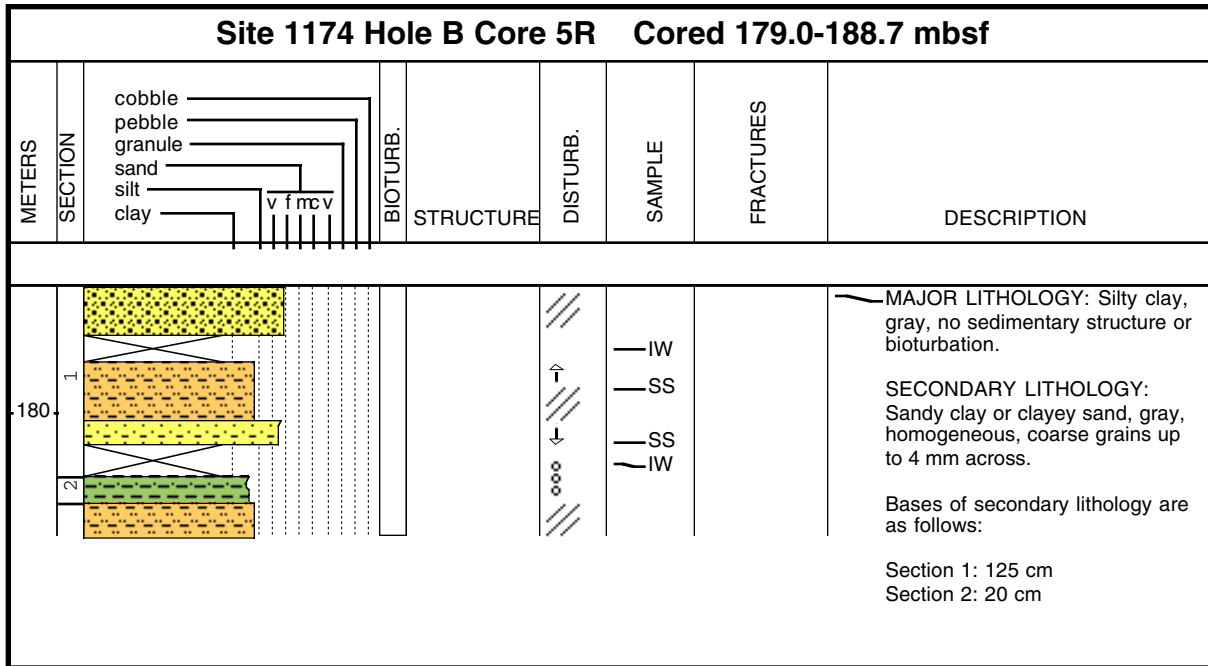
Core Photo



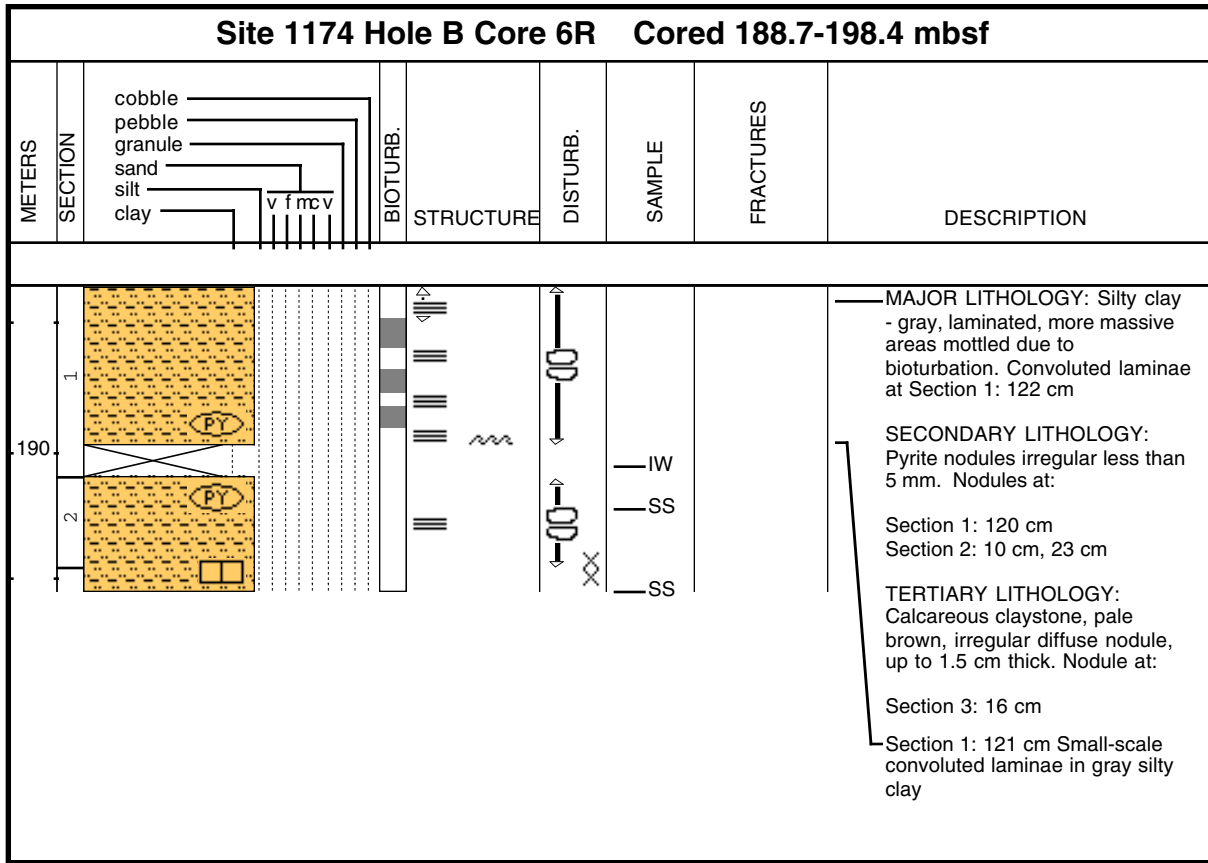
Core Photo



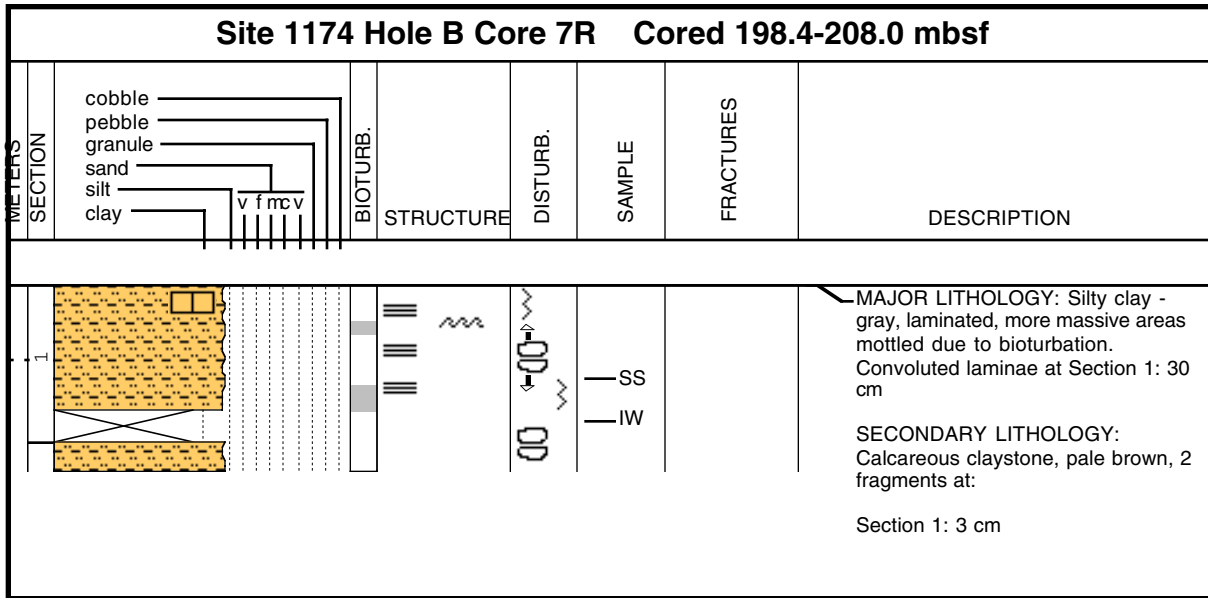
Core Photo



Core Photo



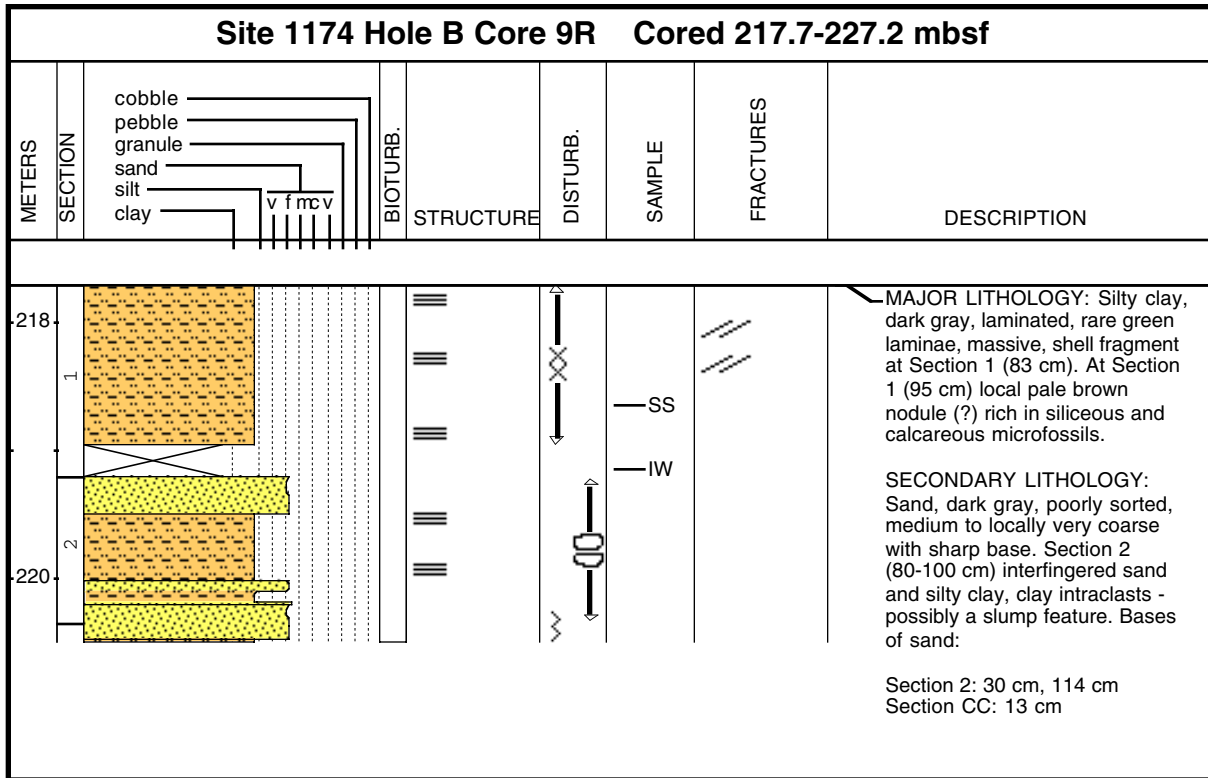
Core Photo



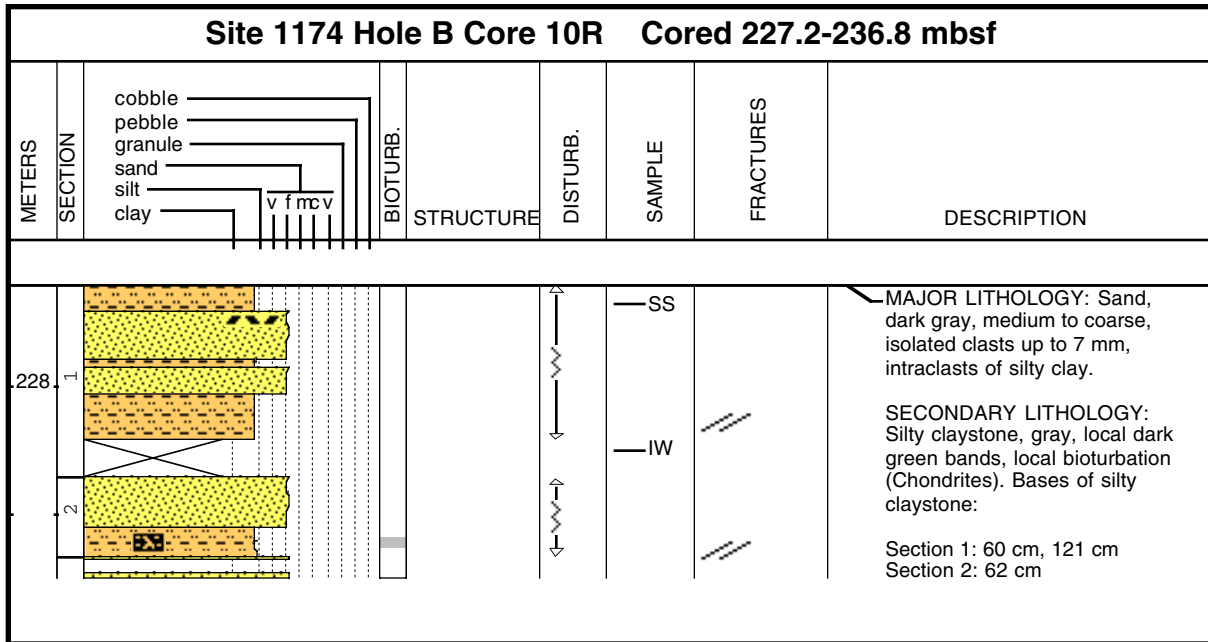
Core Photo

Site 1174 Hole B Core 8R Cored 208.0-217.7 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
		cobble pebble granule sand silt clay	v f mc v					
1						SS IW		MAJOR LITHOLOGY: Silty clay, dark gray, laminated to massive.

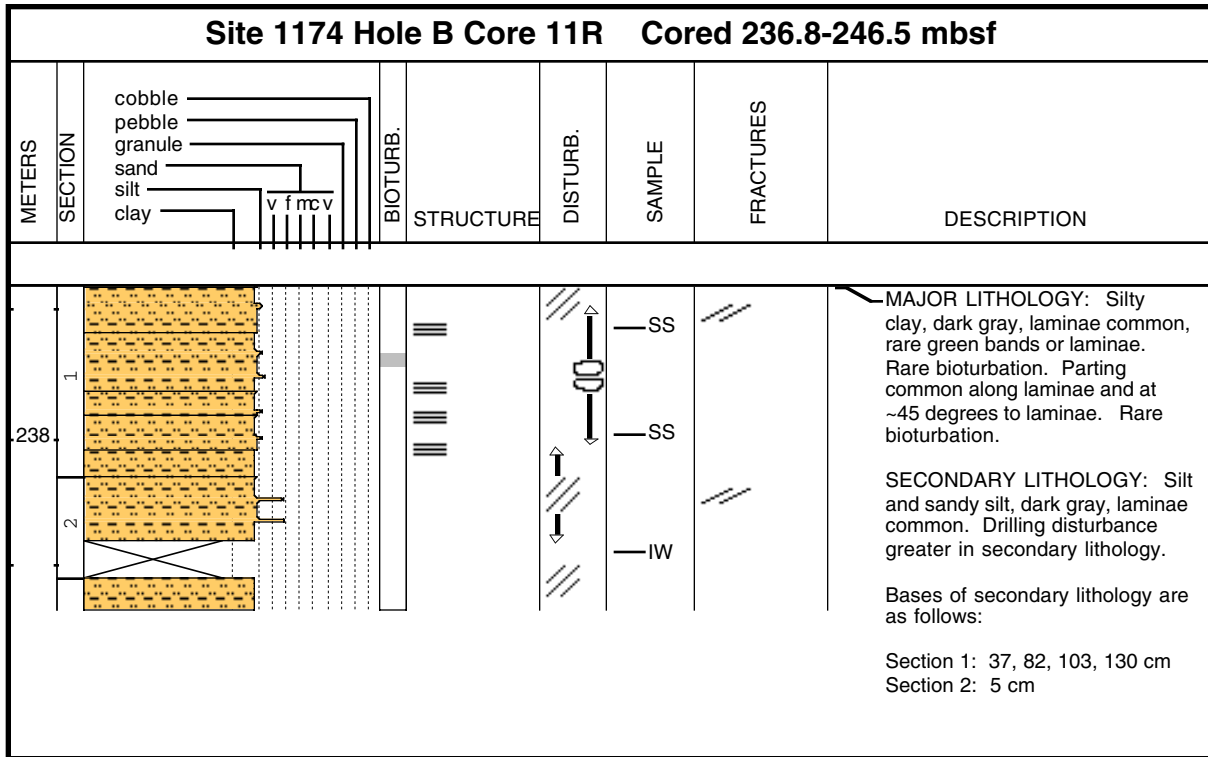
Core Photo



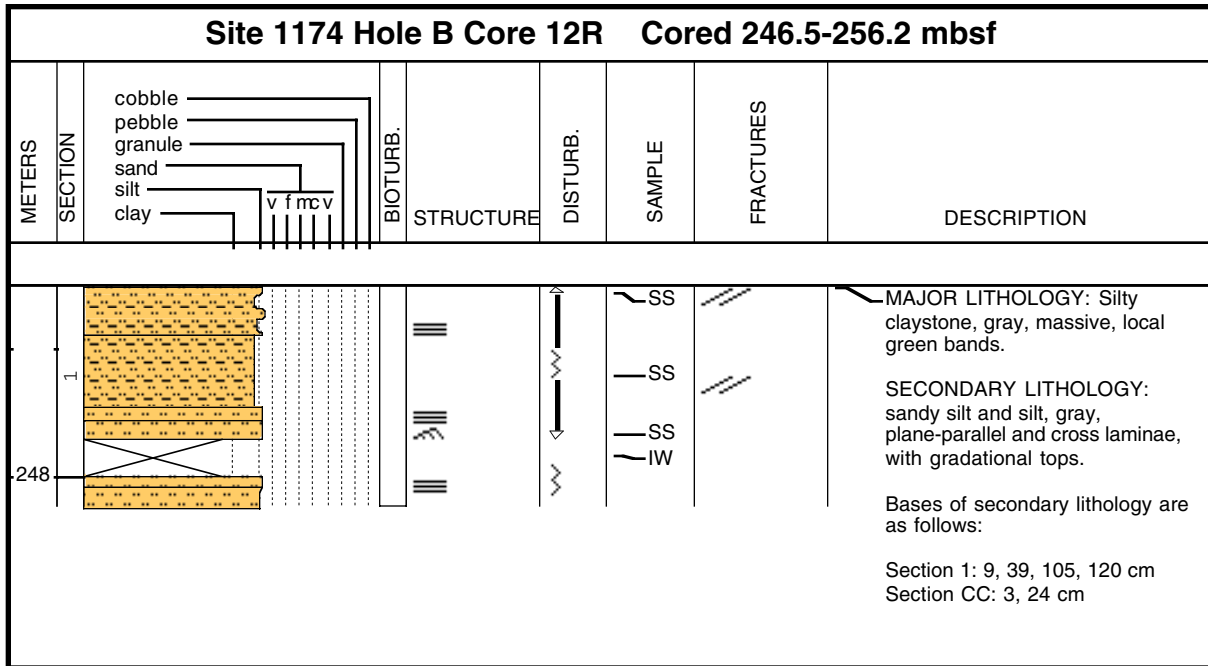
Core Photo



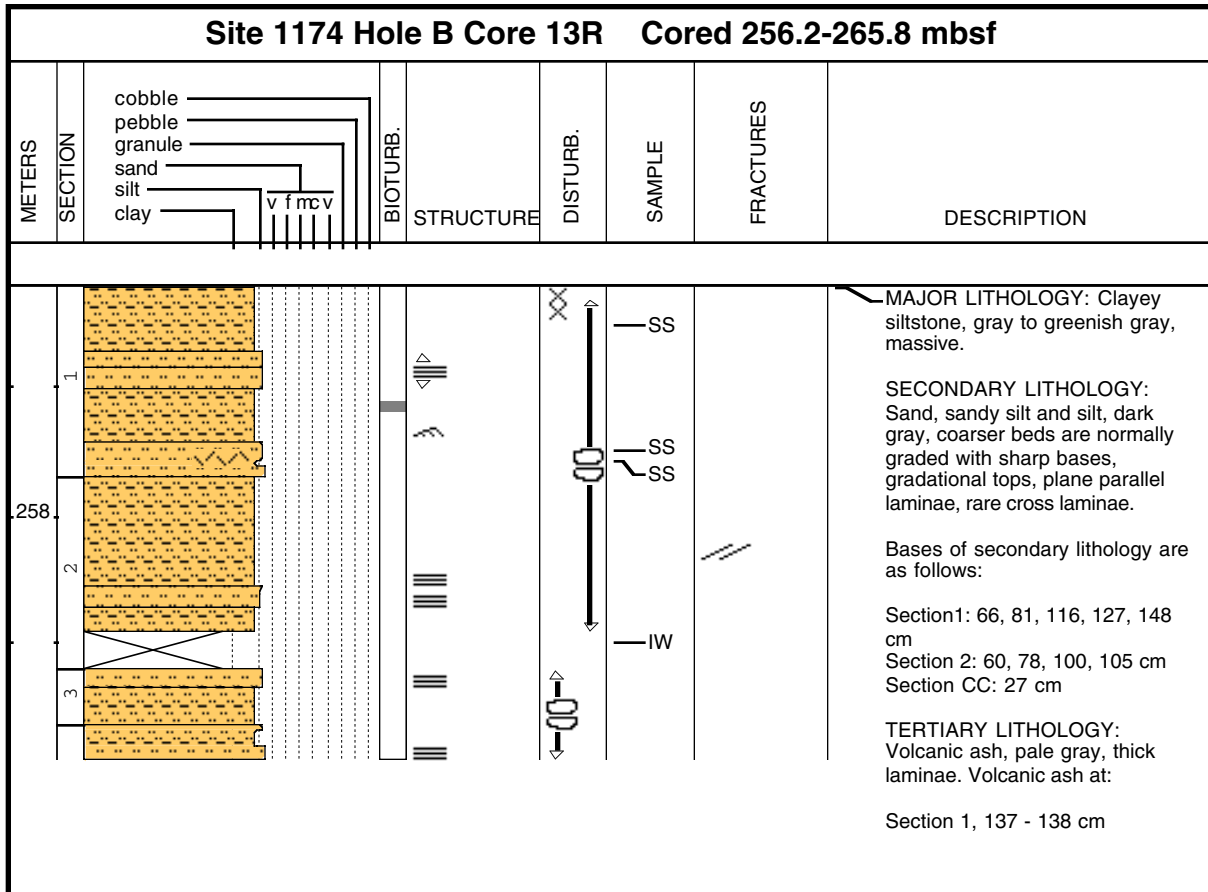
Core Photo



Core Photo



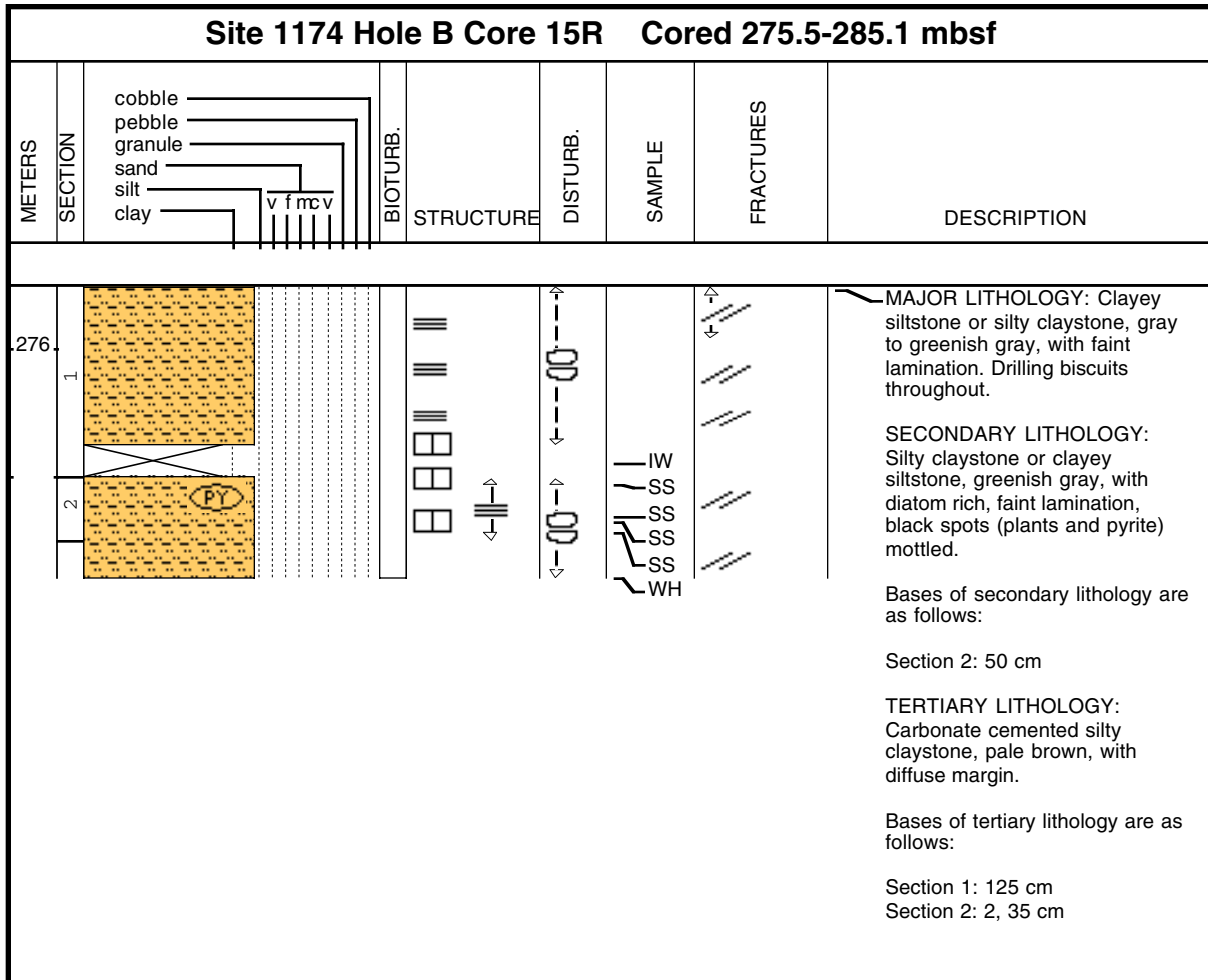
Core Photo



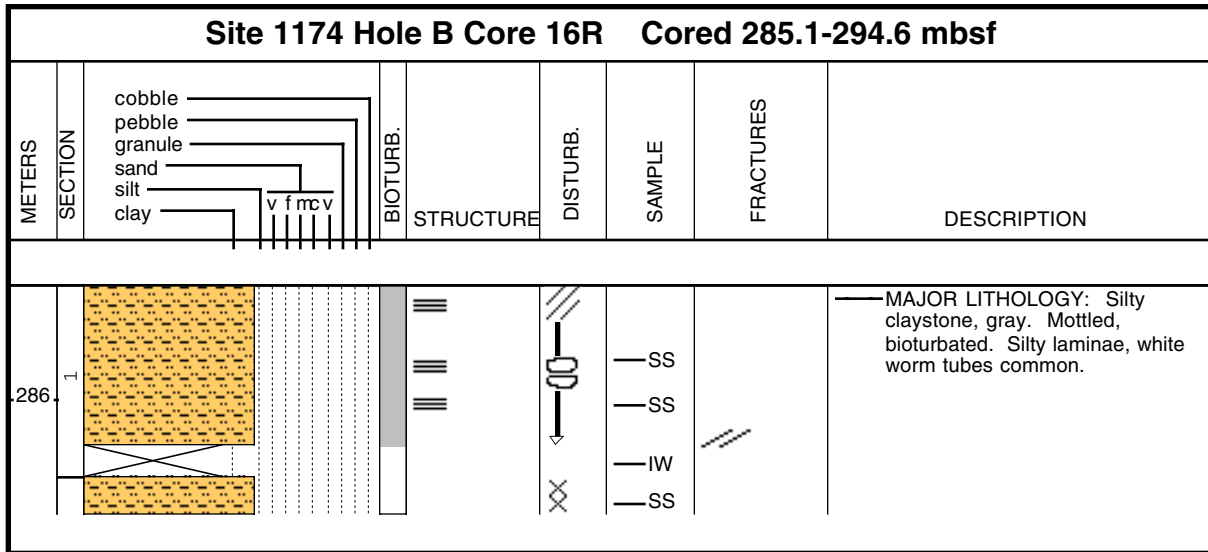
Core Photo

Site 1174 Hole B Core 14R Cored 265.8-275.5 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
266								<p>MAJOR LITHOLOGY: Silty claystone, gray to greenish gray, with faint lamination. Drilling biscuits throughout.</p>

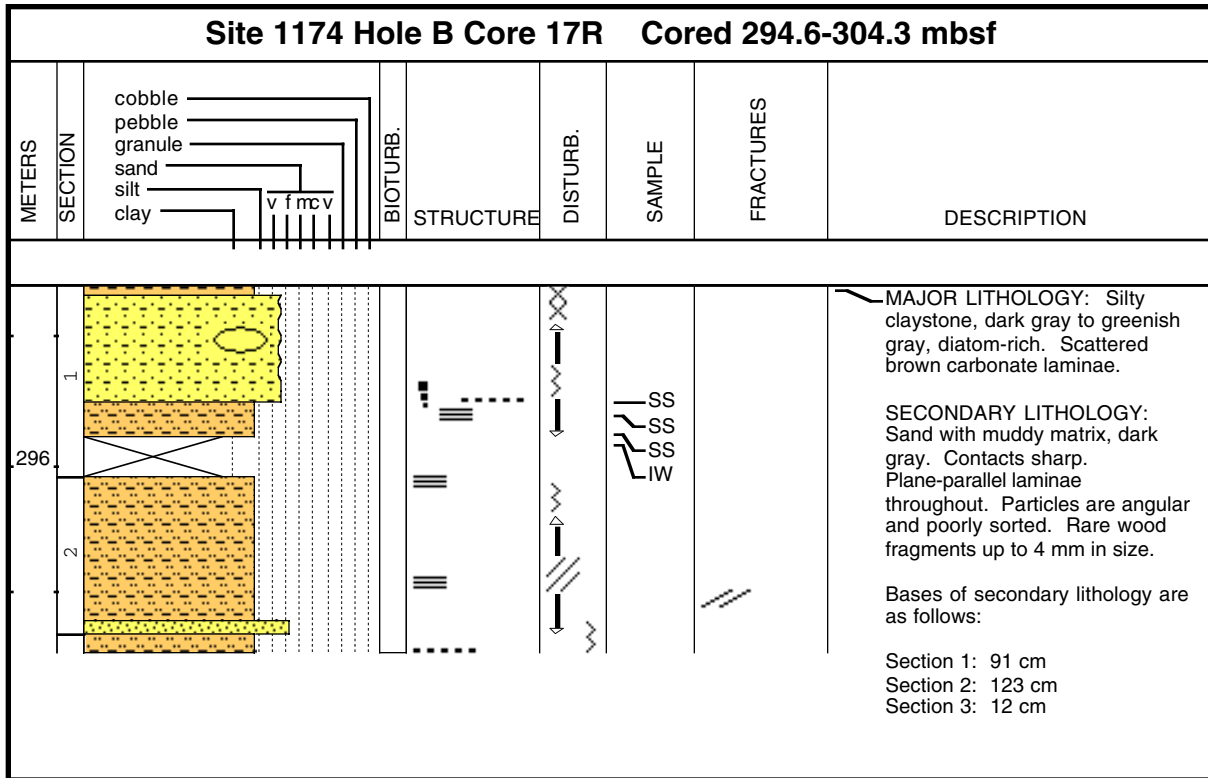
Core Photo



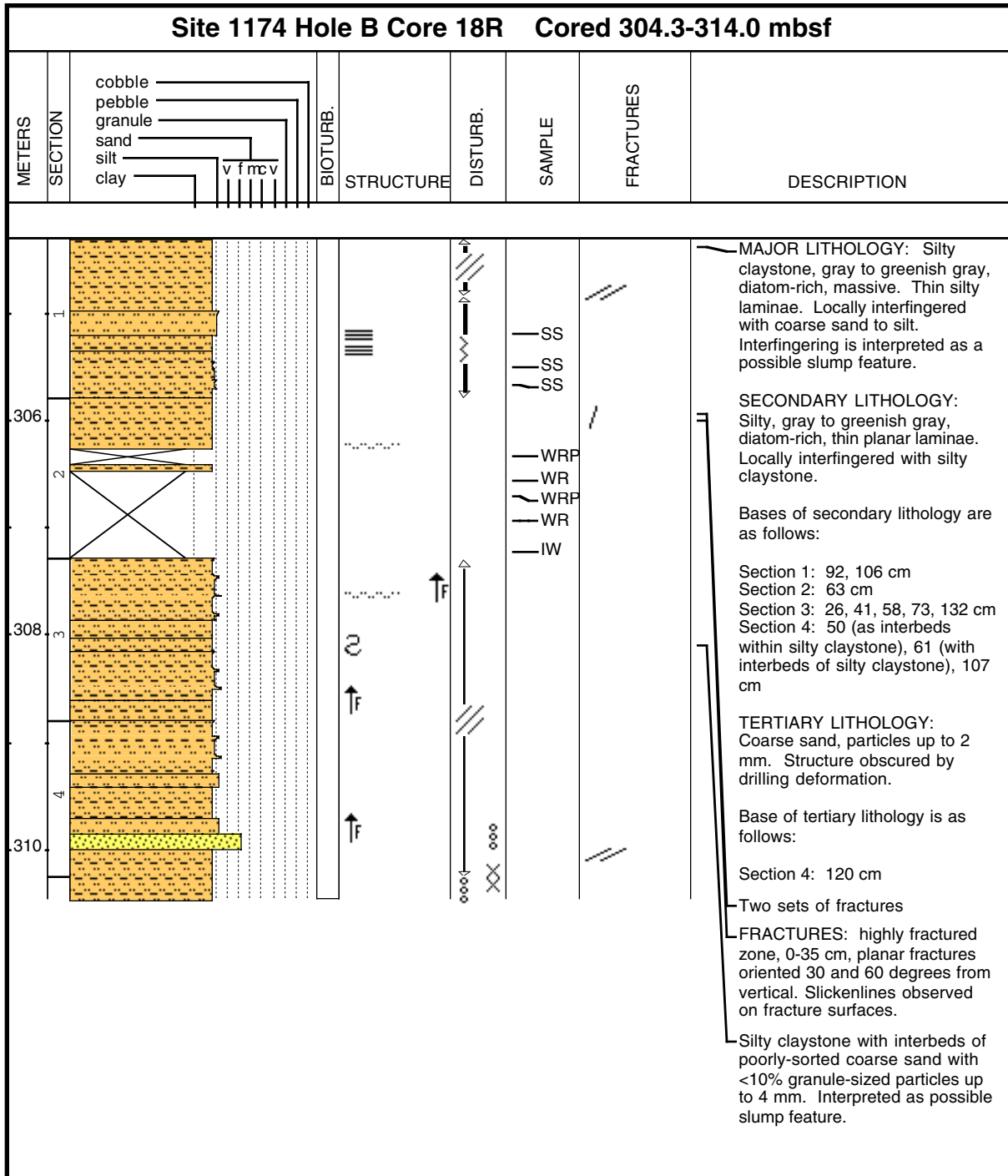
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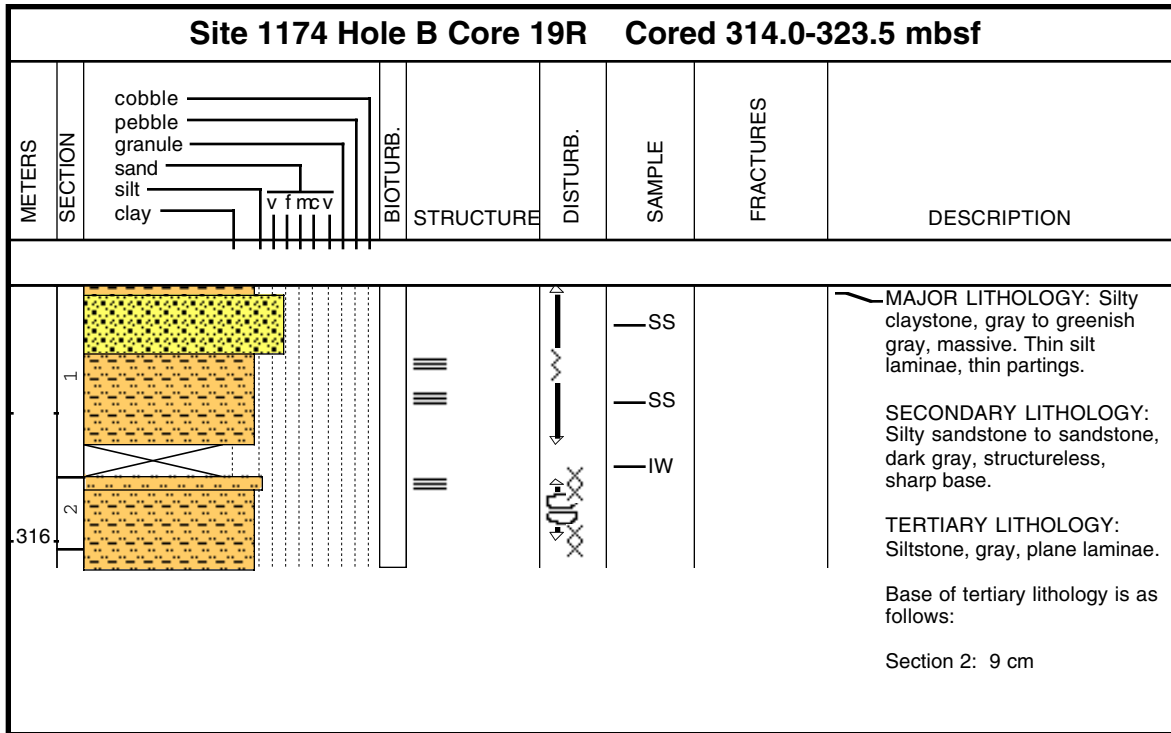
Core Photo



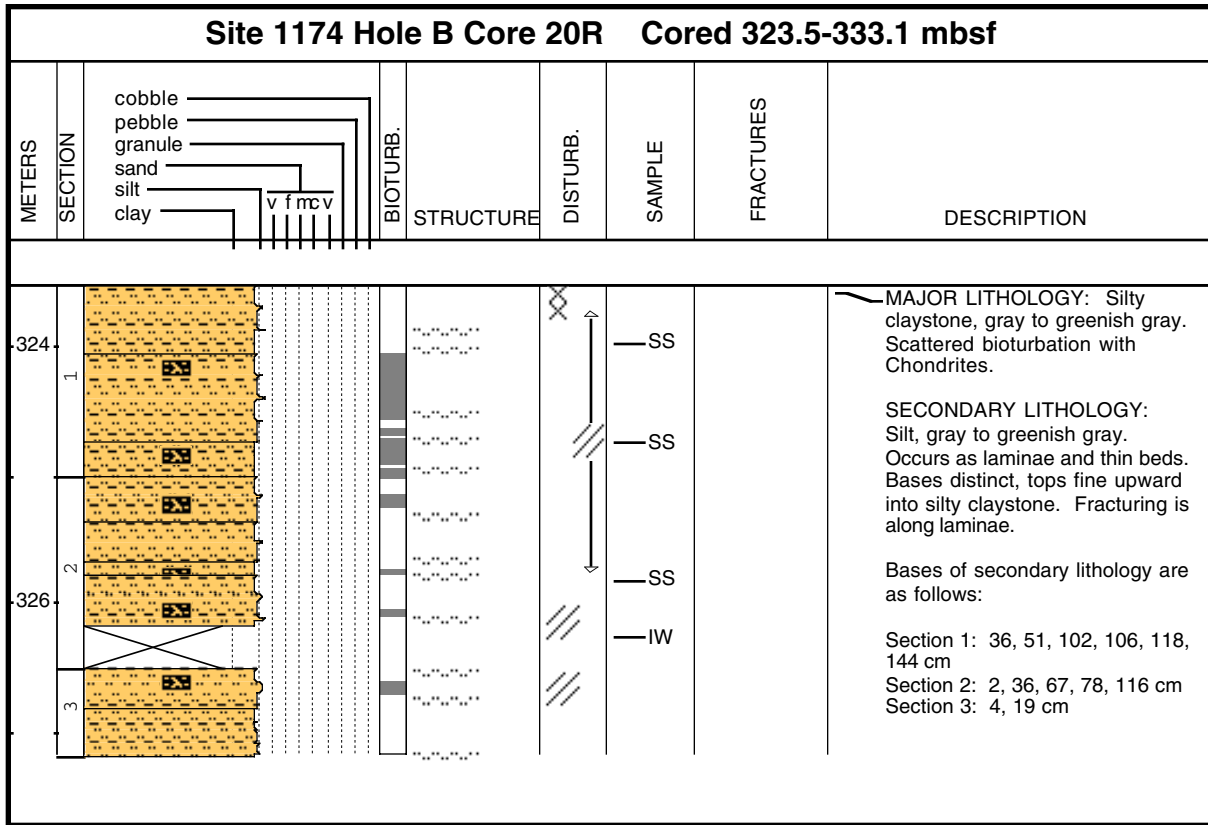
Core Photo



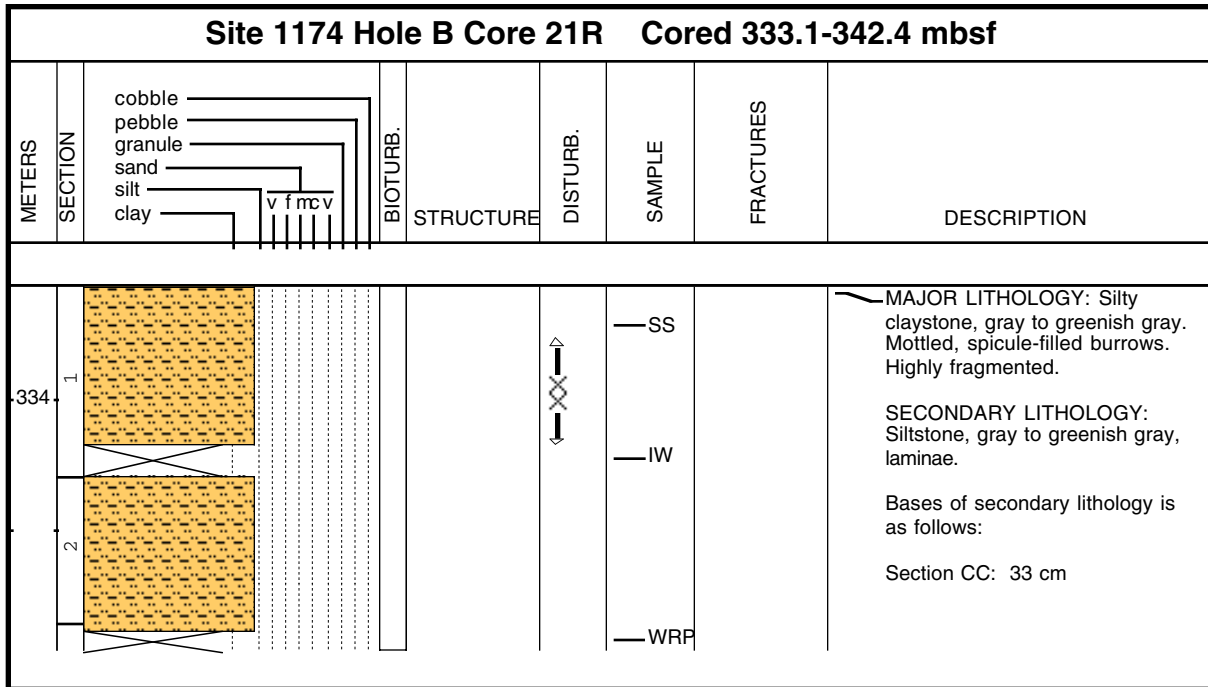
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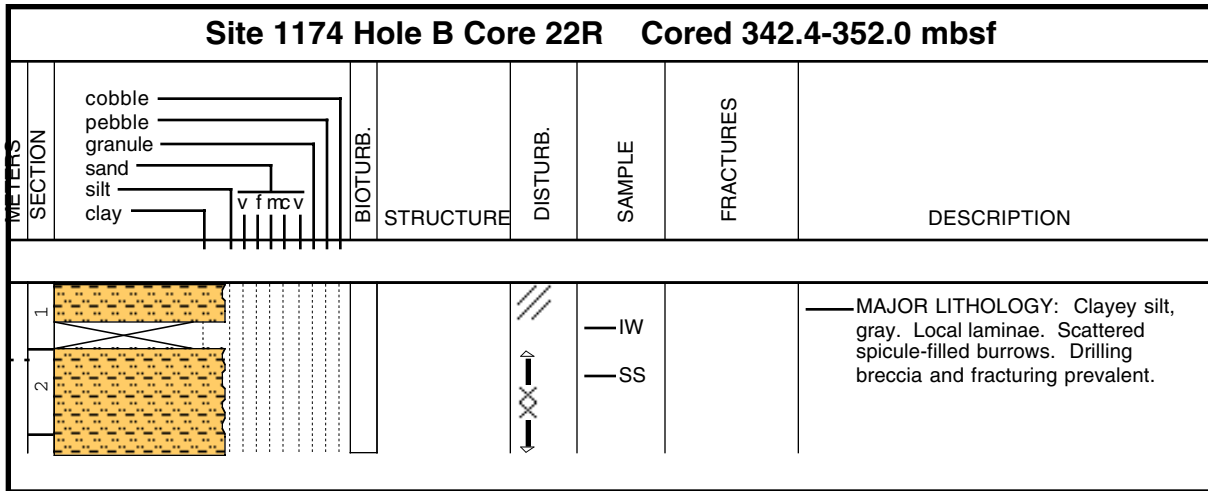
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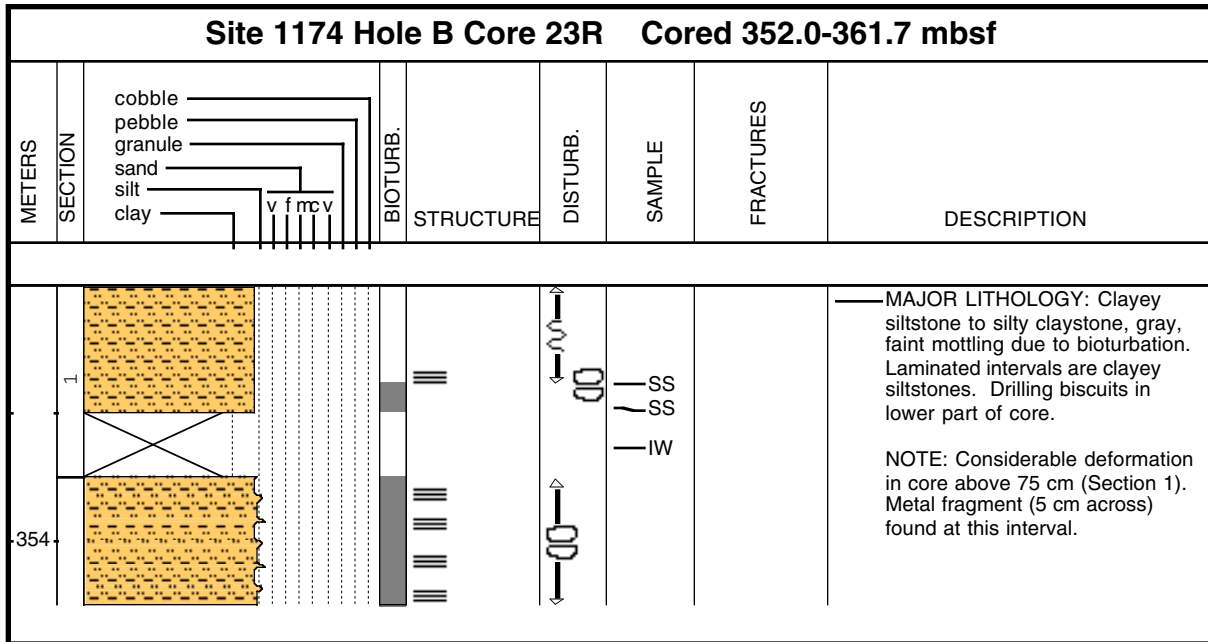
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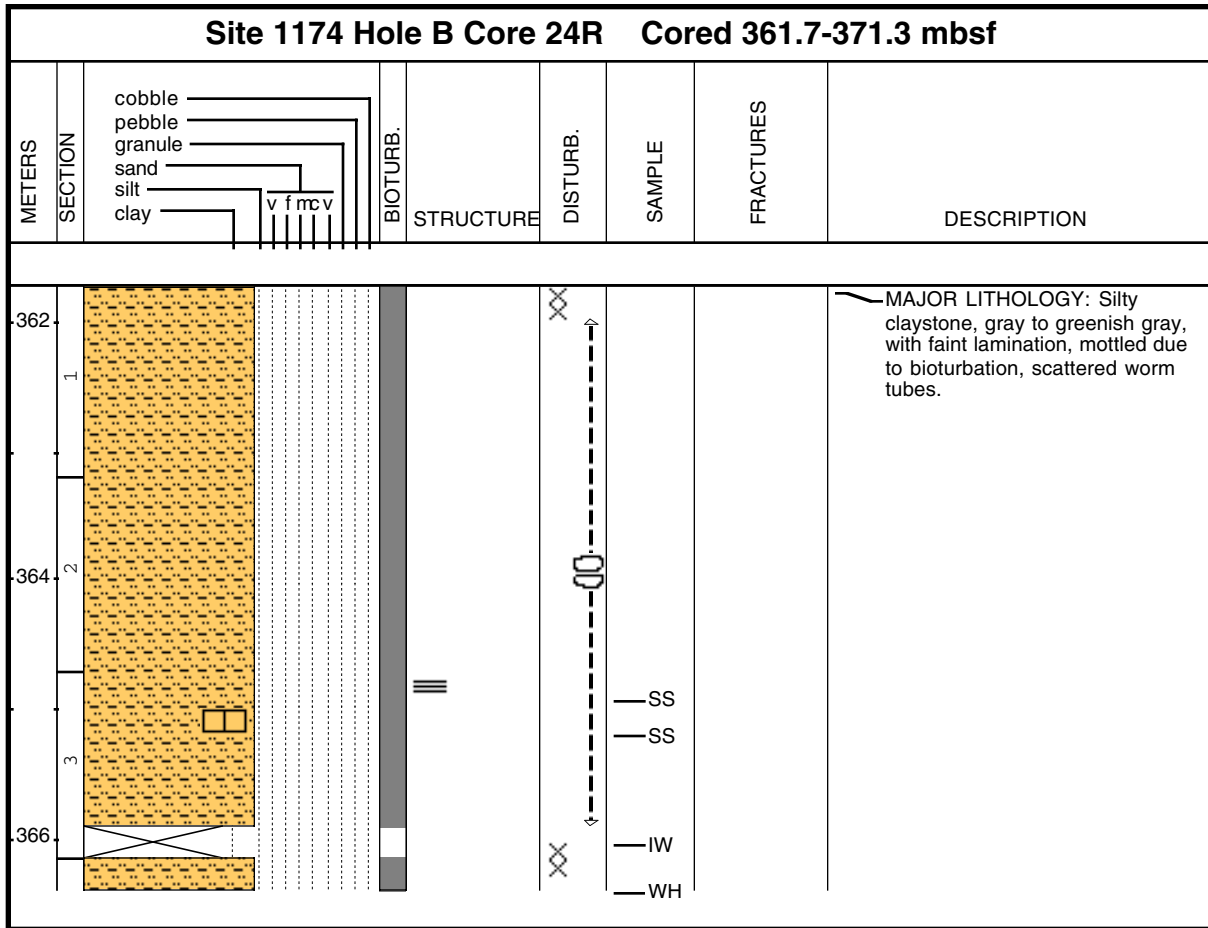
Core Photo



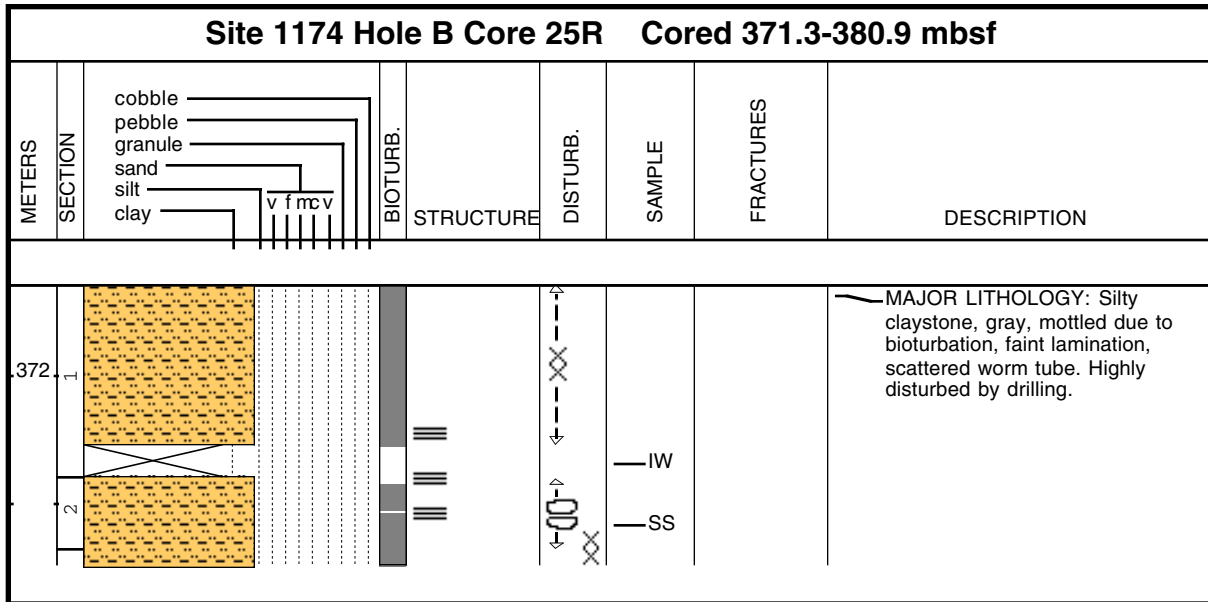
Core Photo



Core Photo



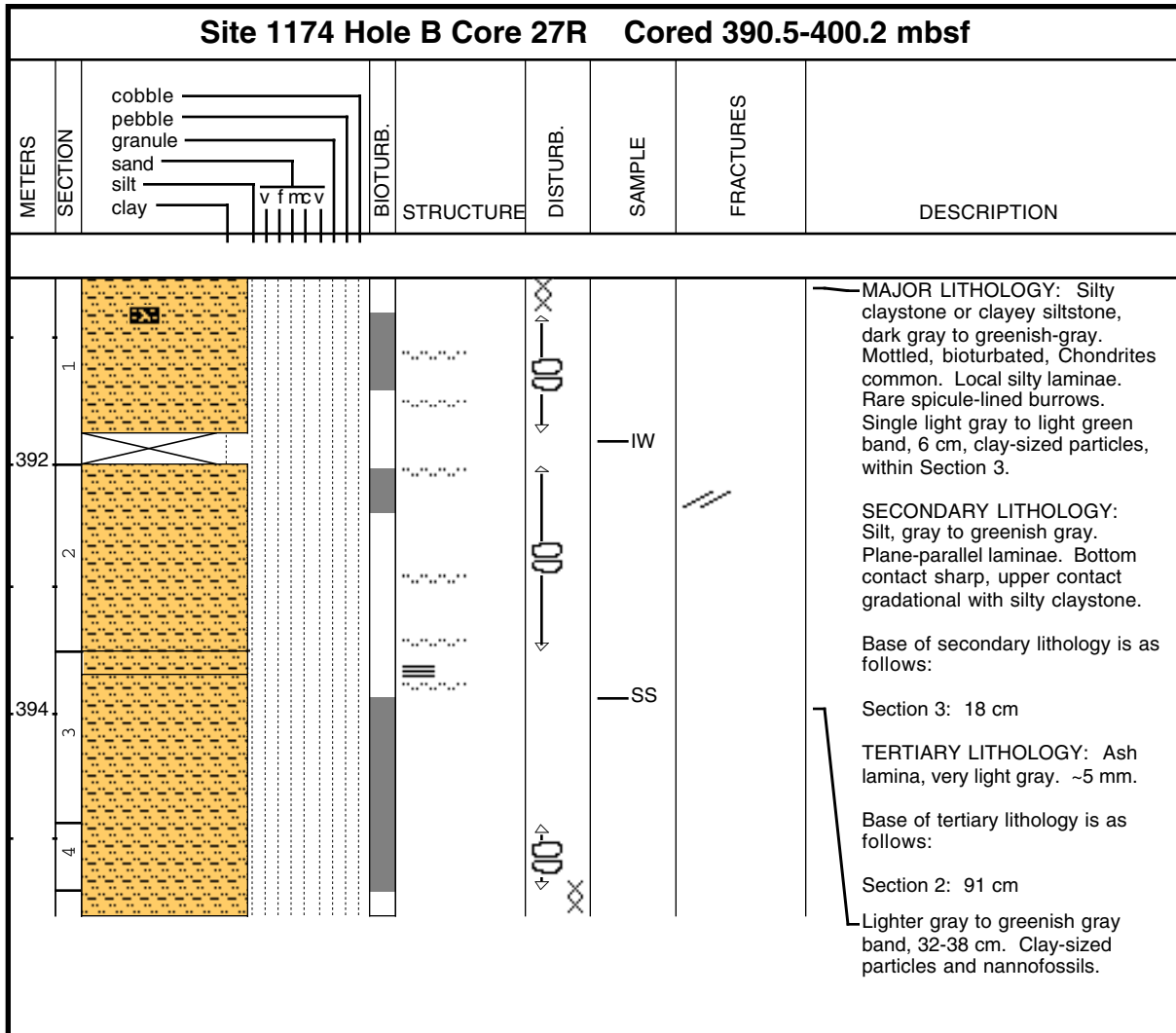
Core Photo



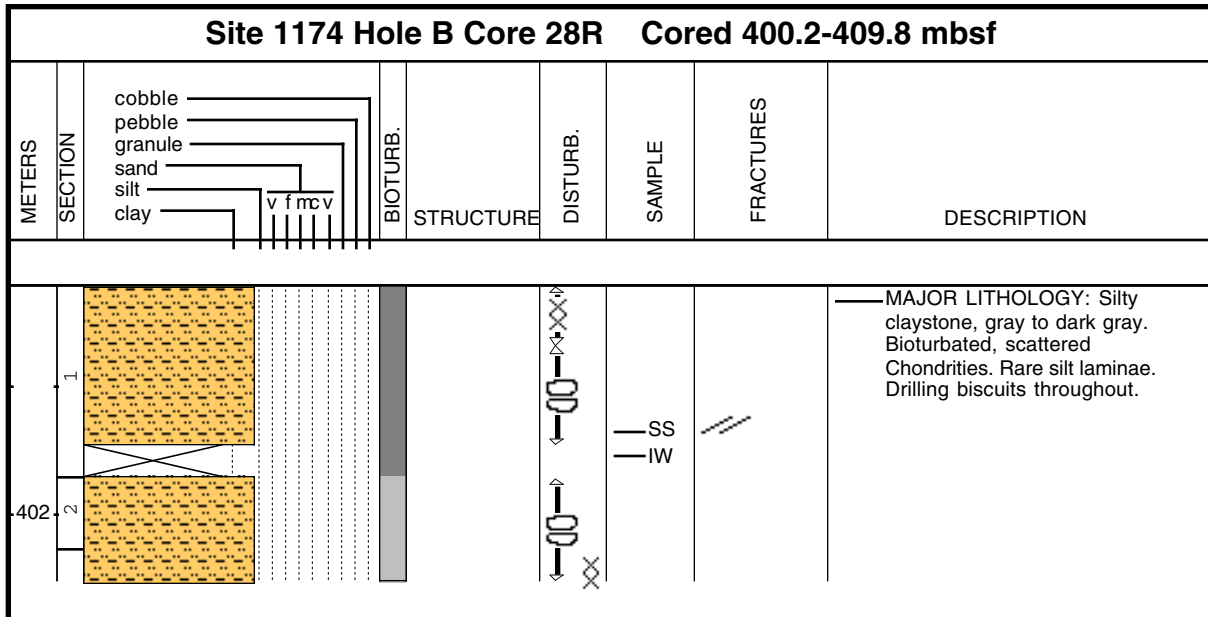
Core Photo

Site 1174 Hole B Core 26R Cored 380.9-390.5 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
1		cobble pebble granule sand silt clay	v f mc v			SS IW		MAJOR LITHOLOGY: Silty claystone, gray, moderately bioturbated, highly disturbed by drilling.

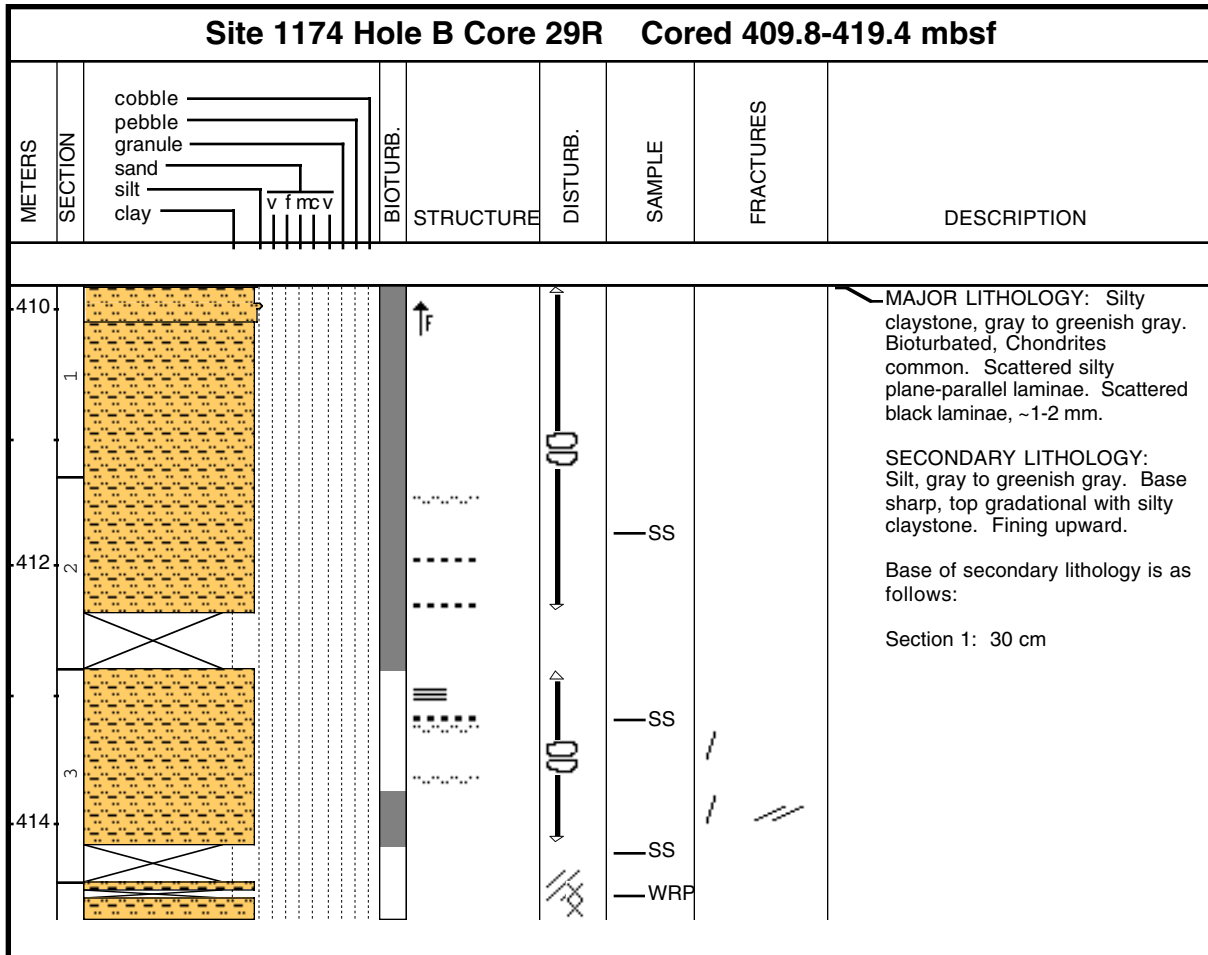
Core Photo



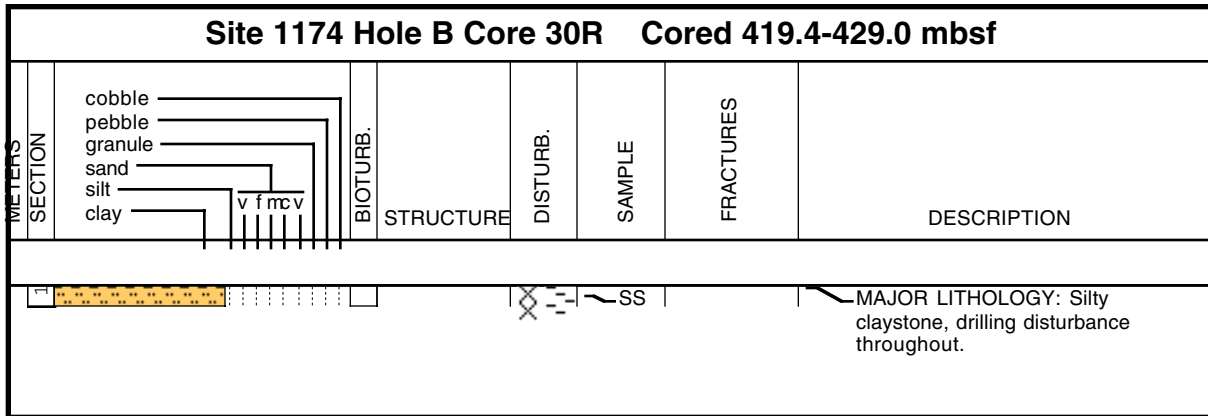
Core Photo



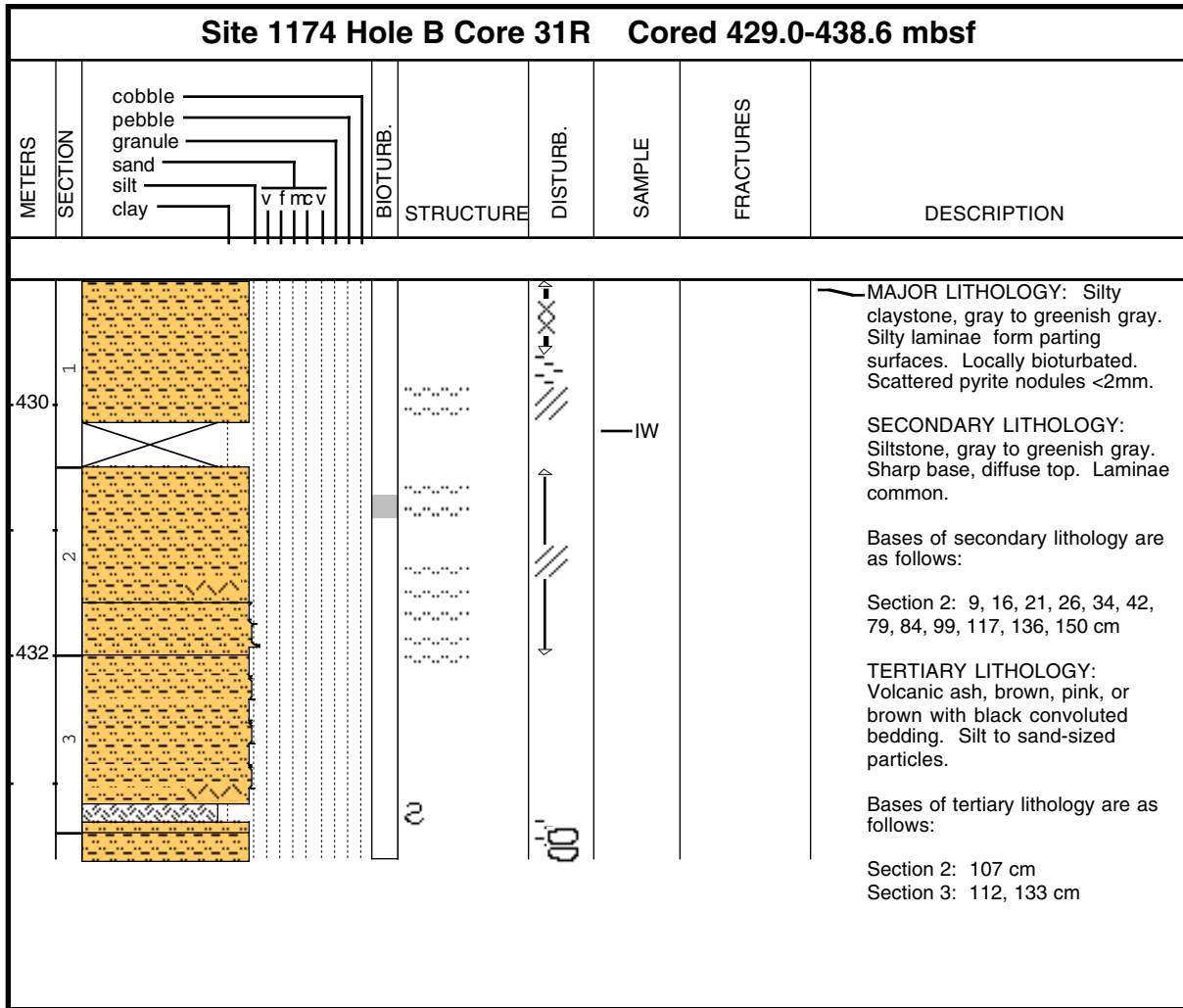
Core Photo



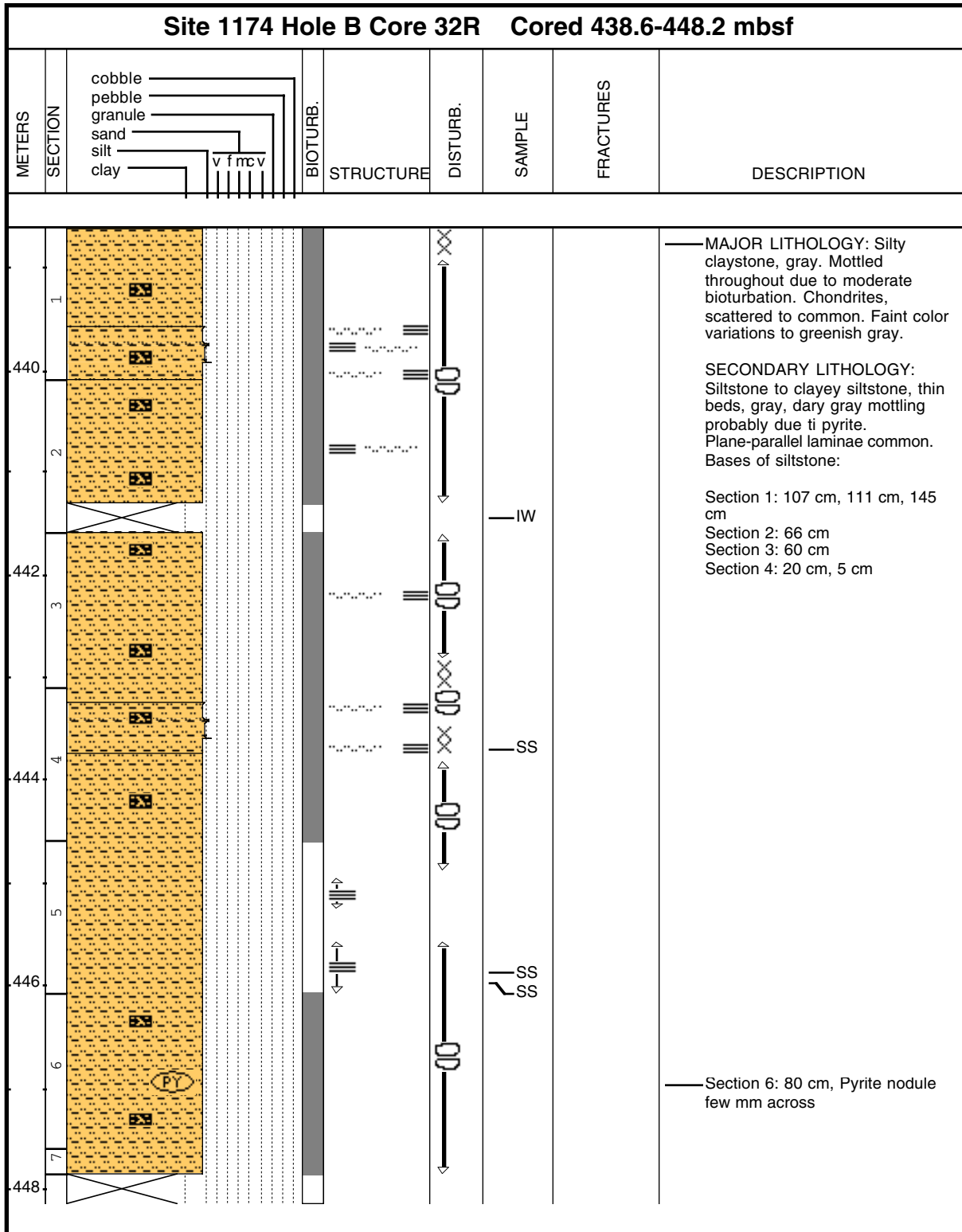
Core Photo



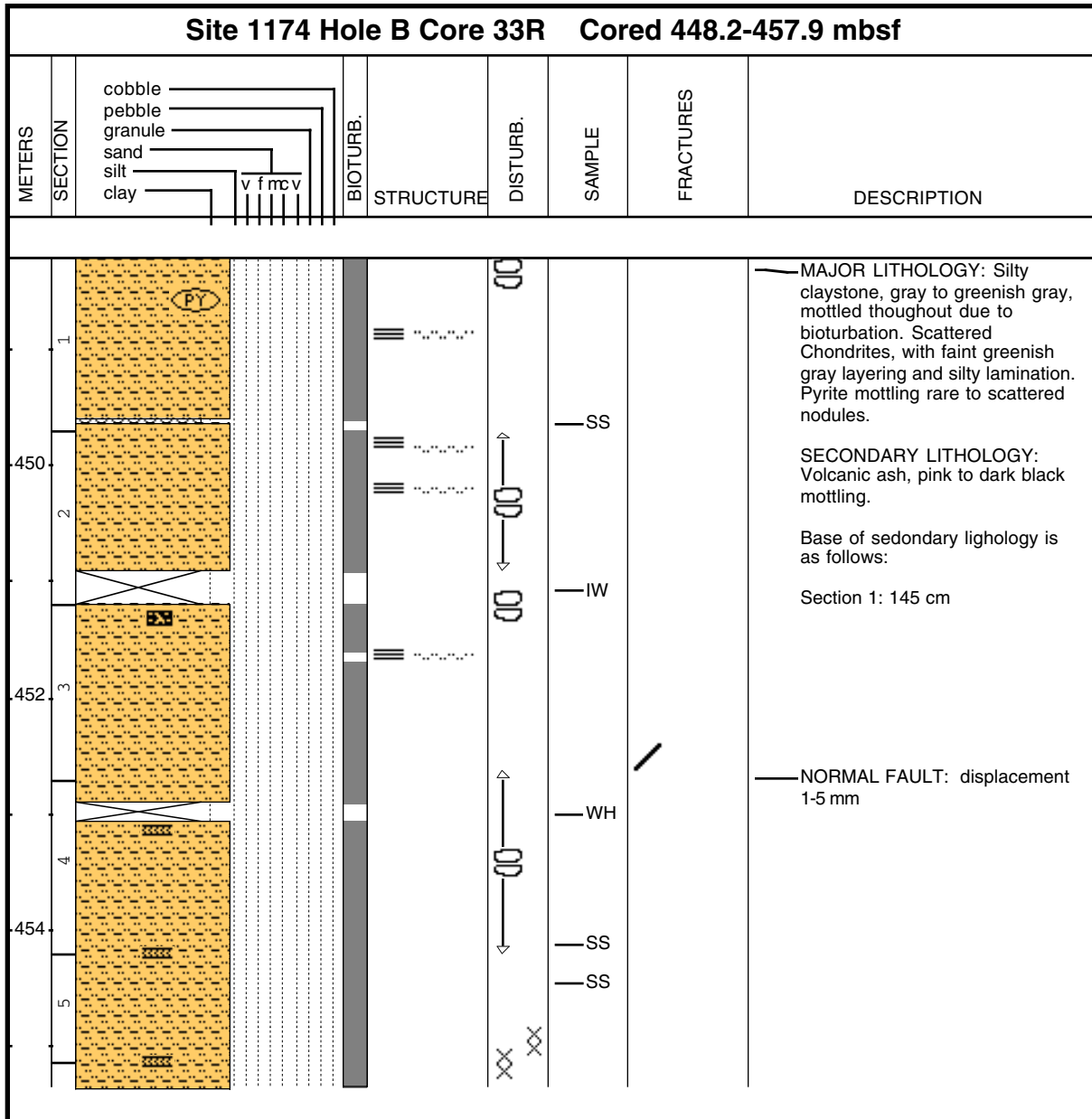
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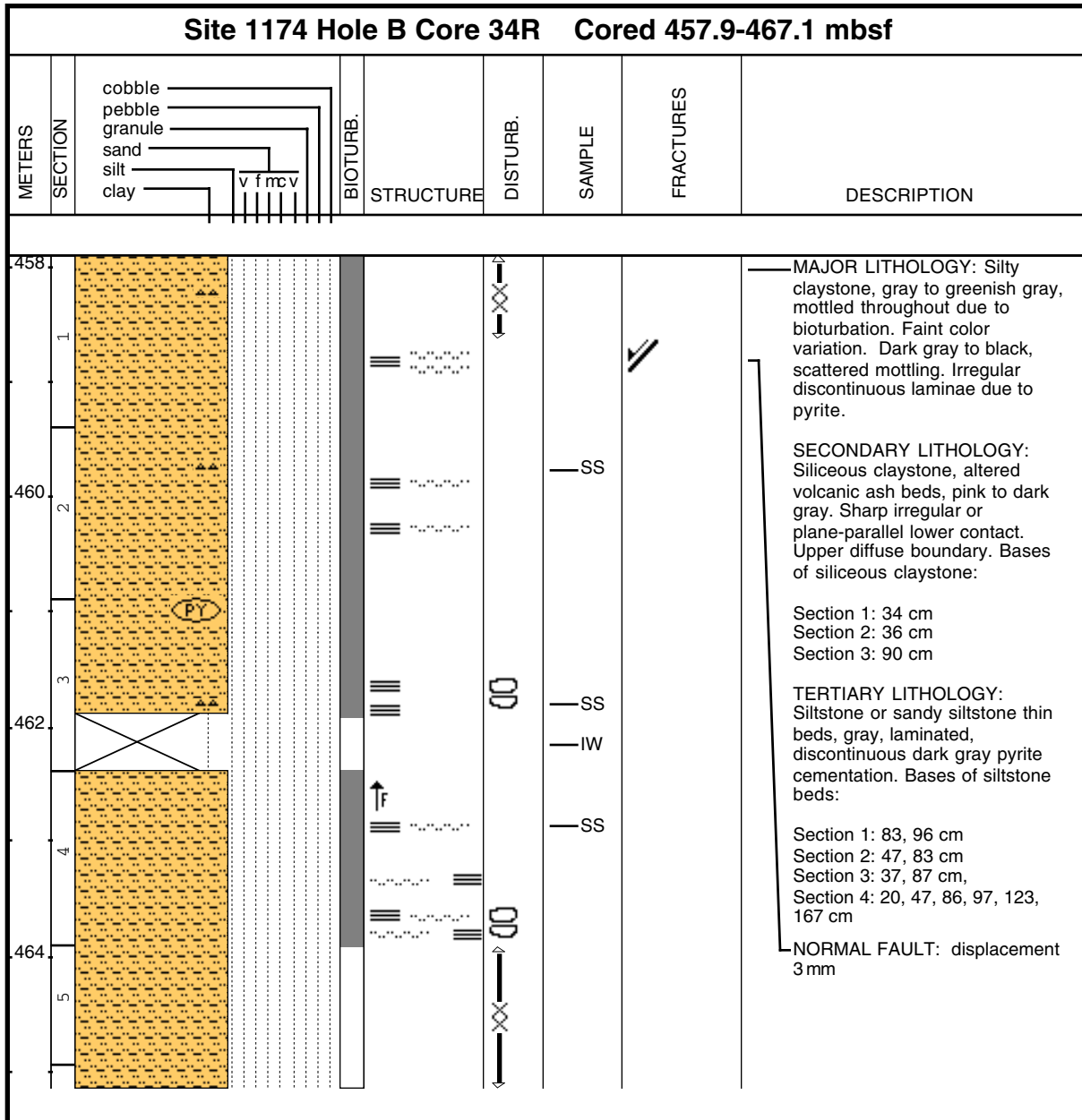
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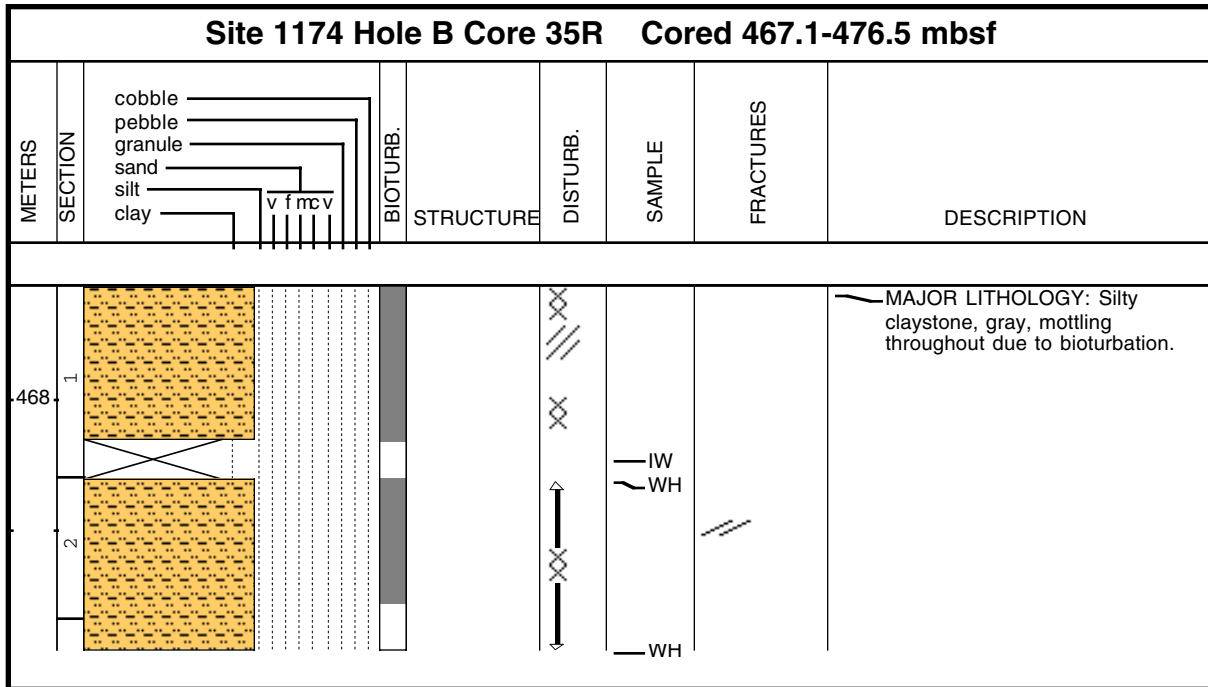
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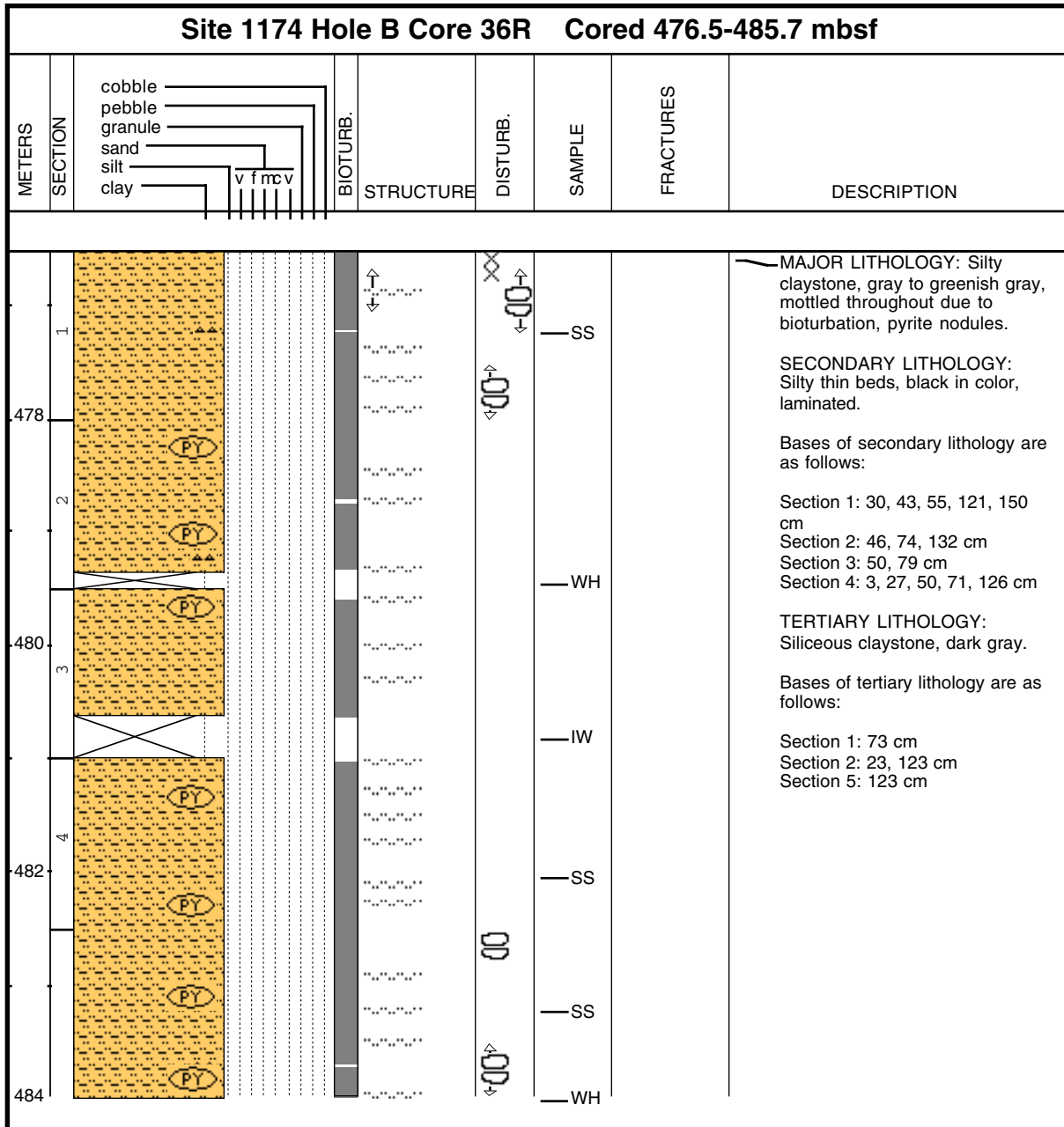
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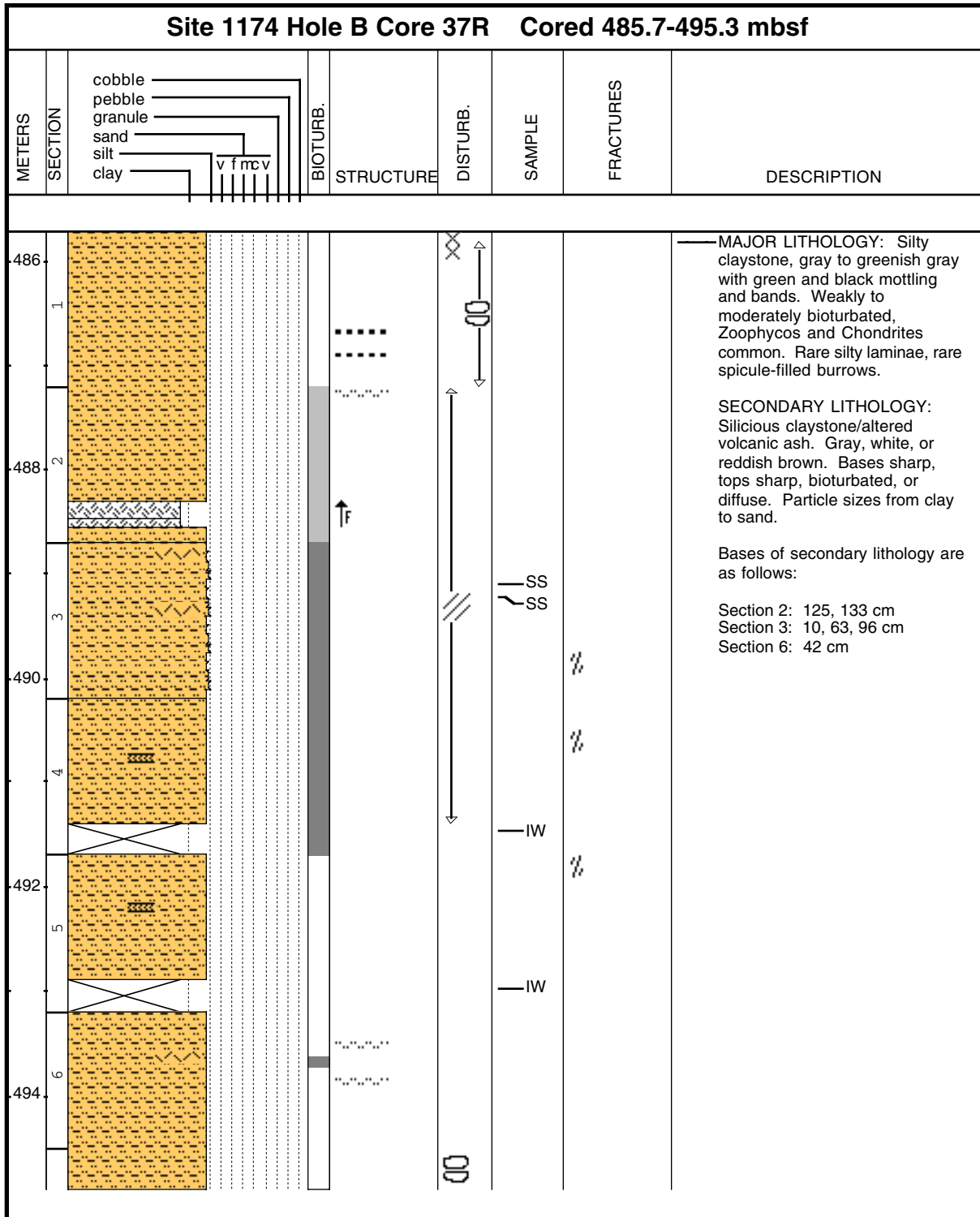
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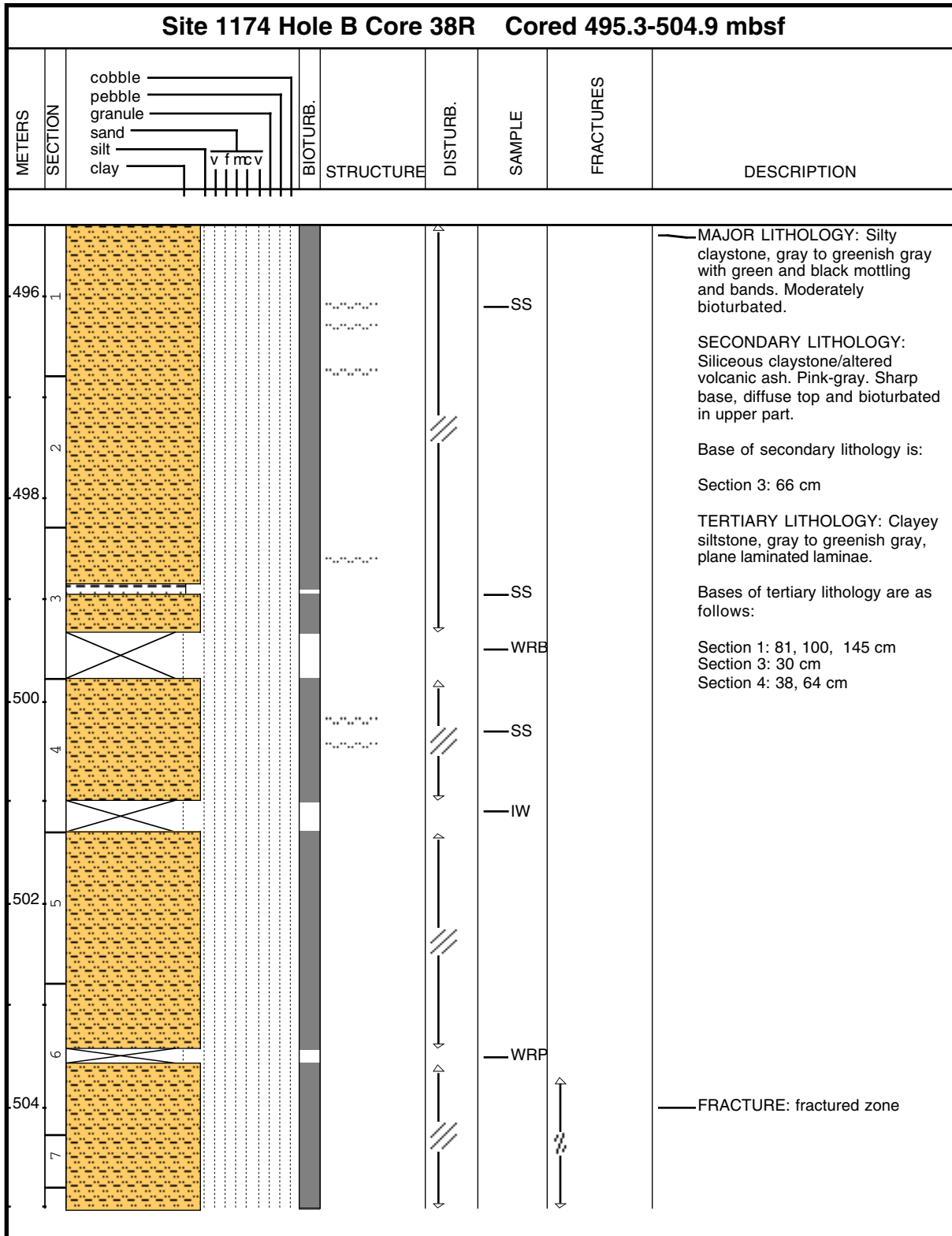
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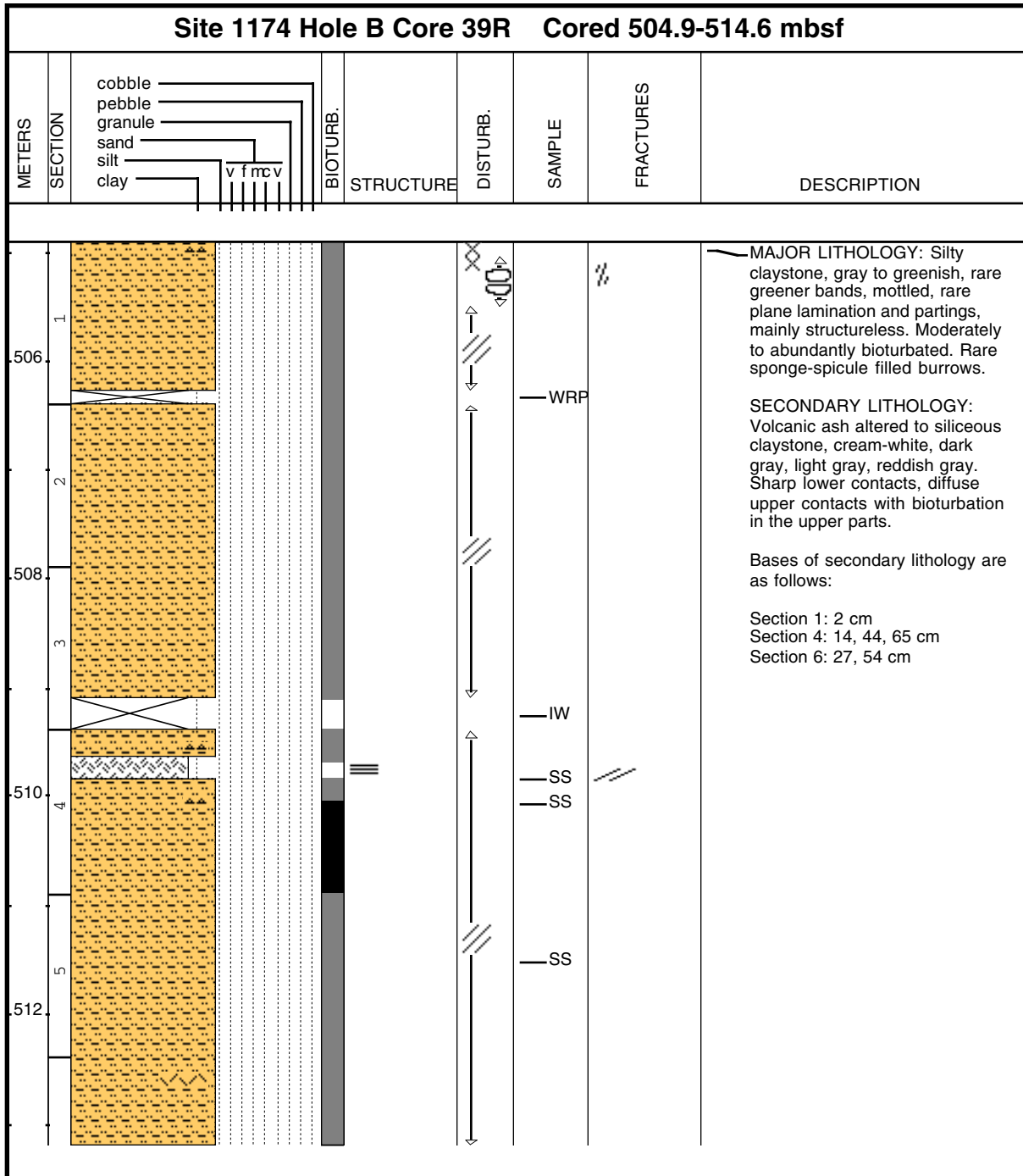
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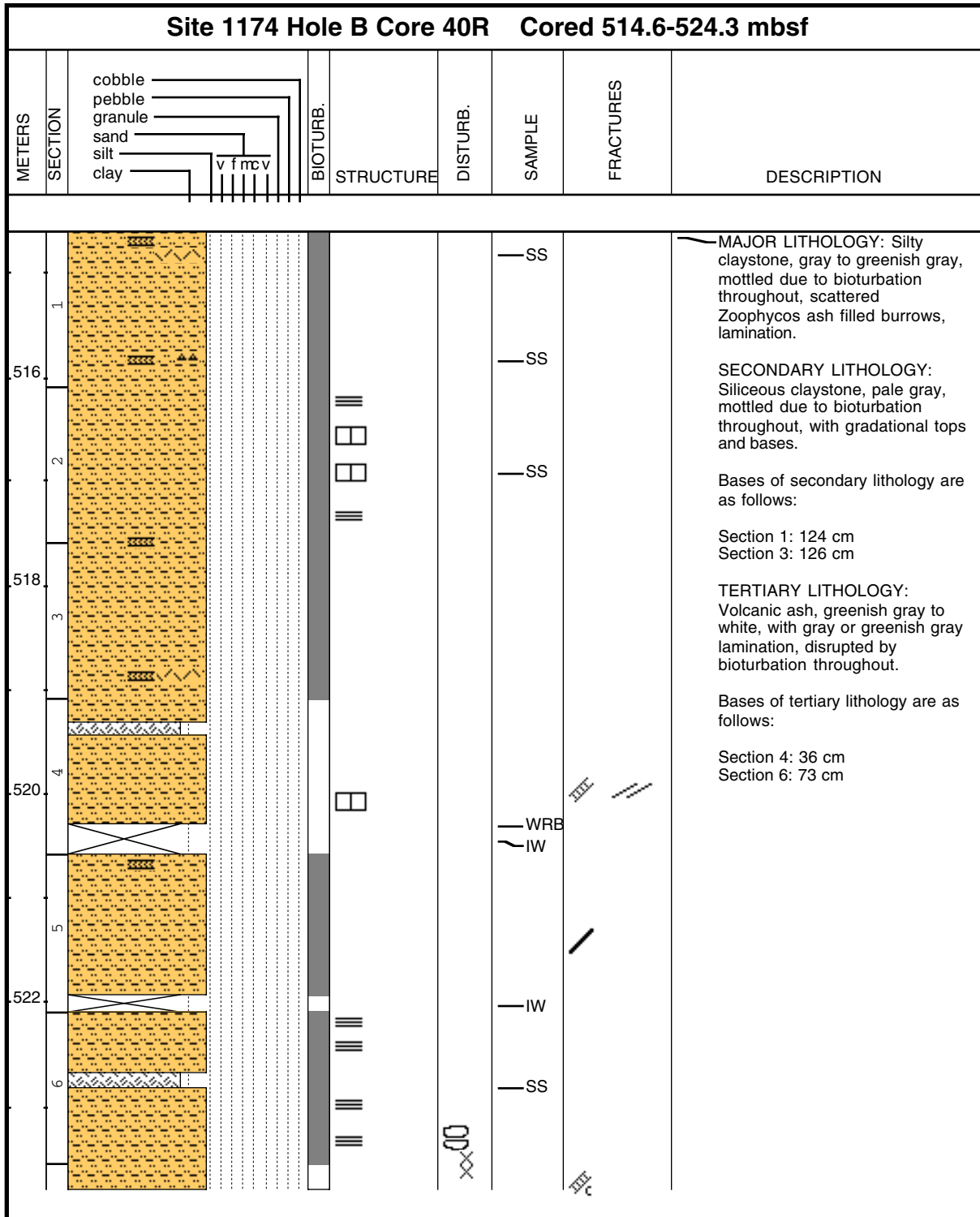
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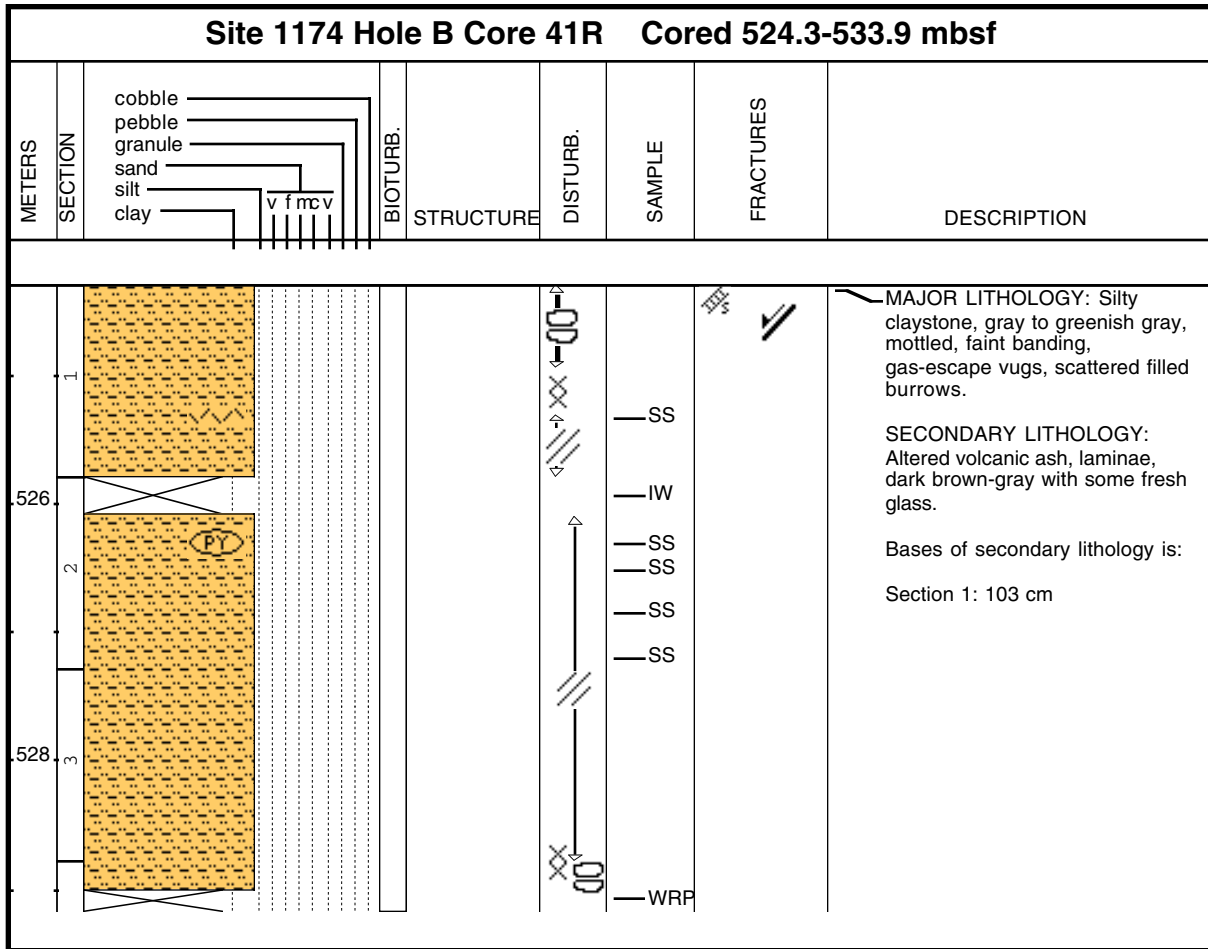
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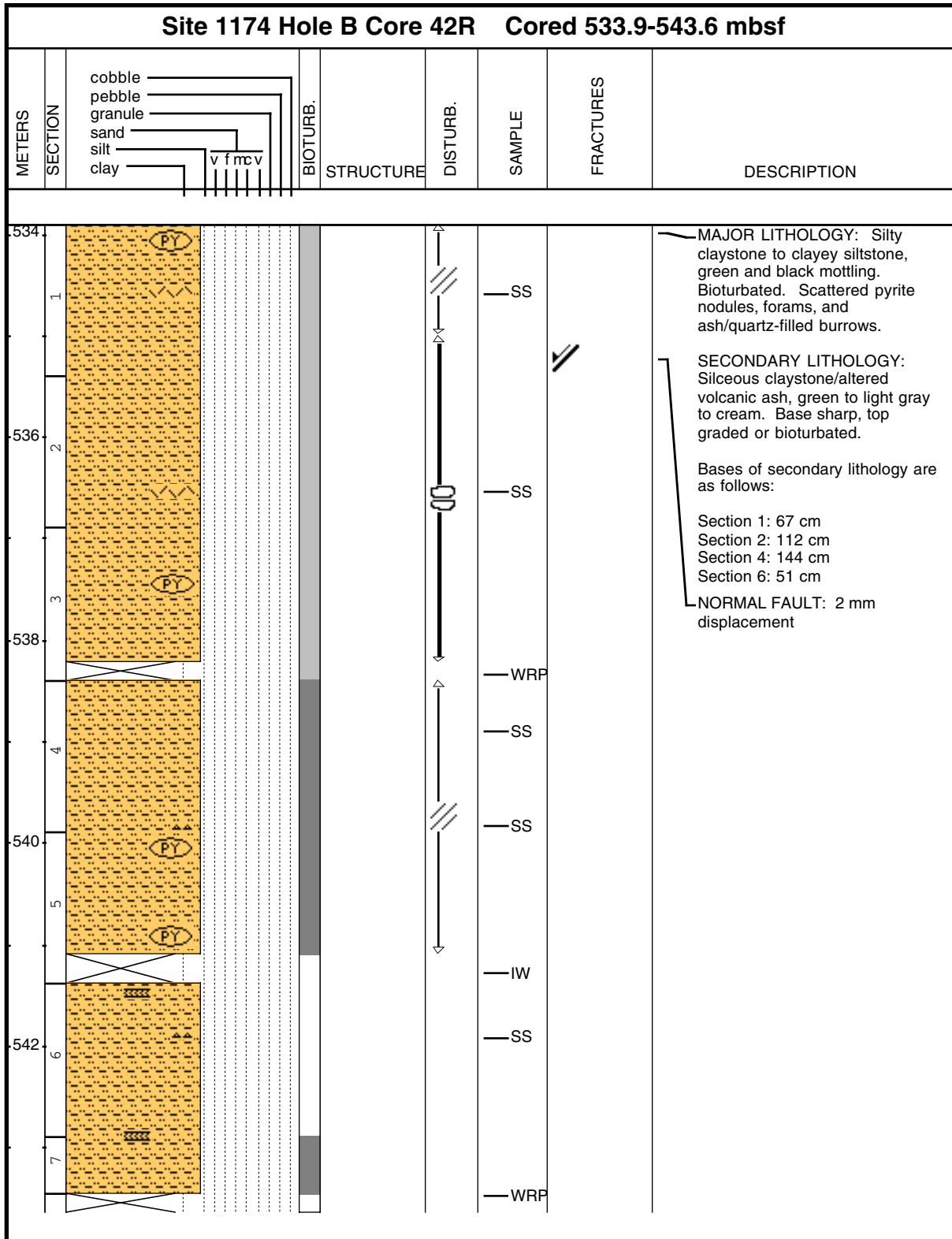
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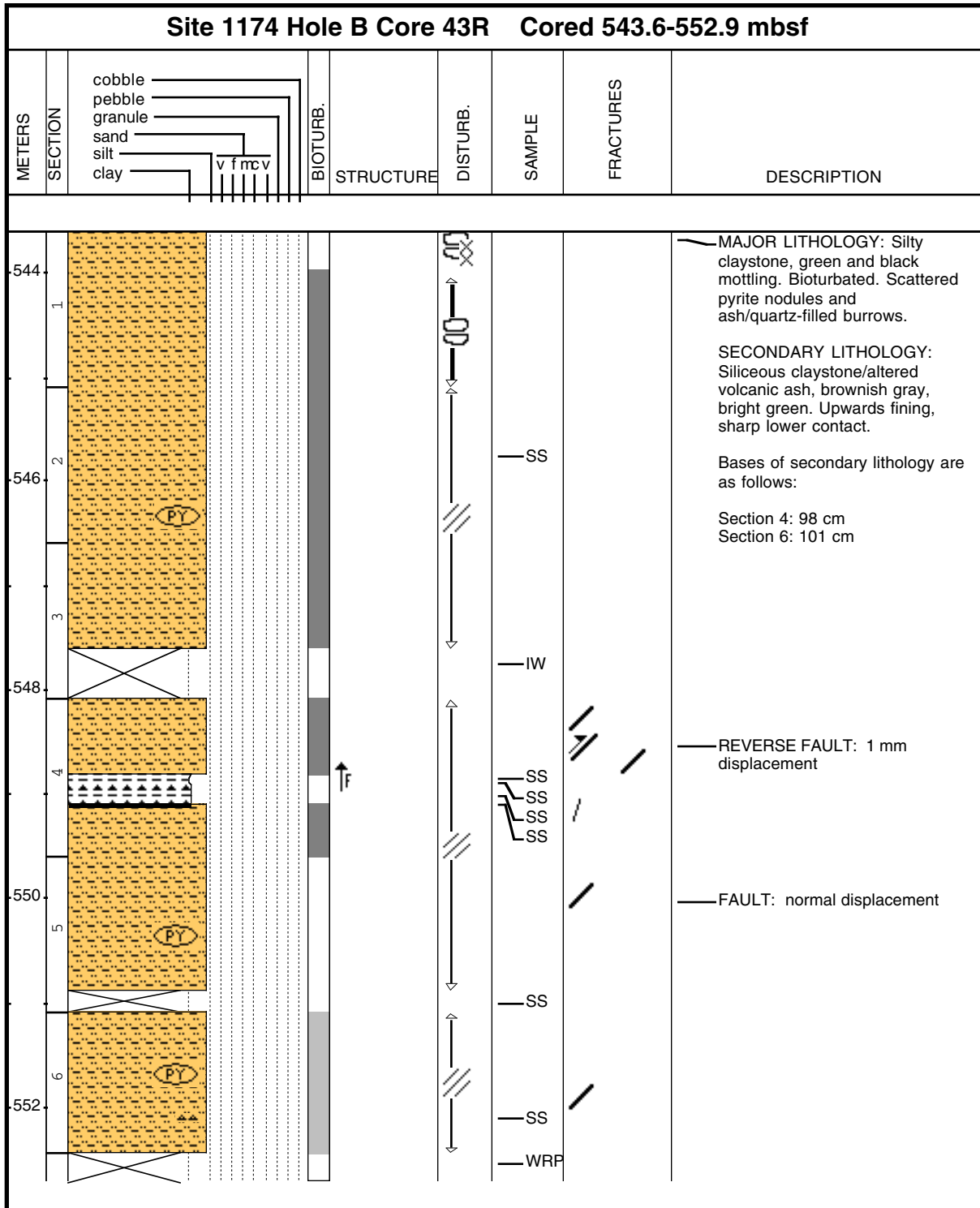
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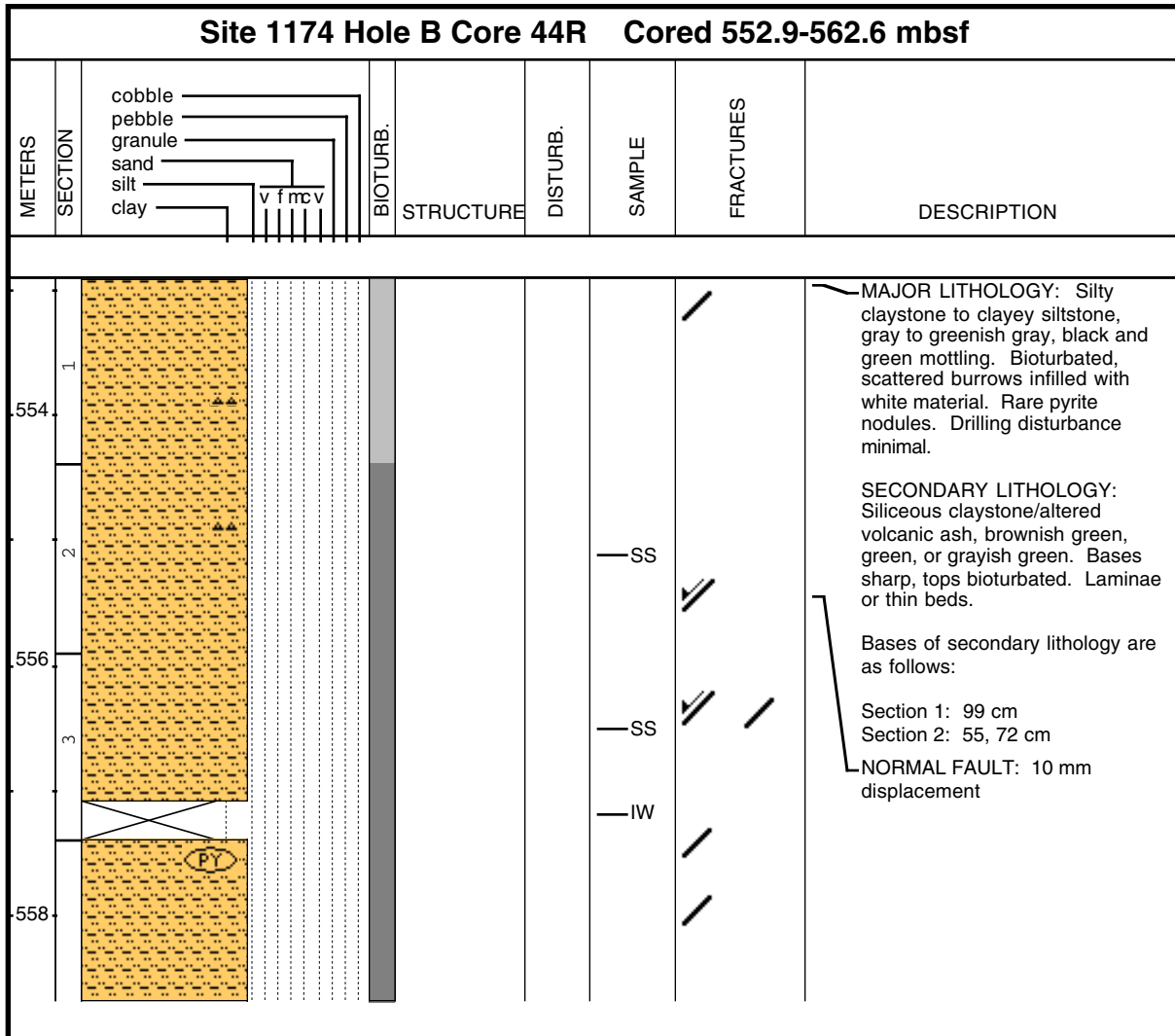
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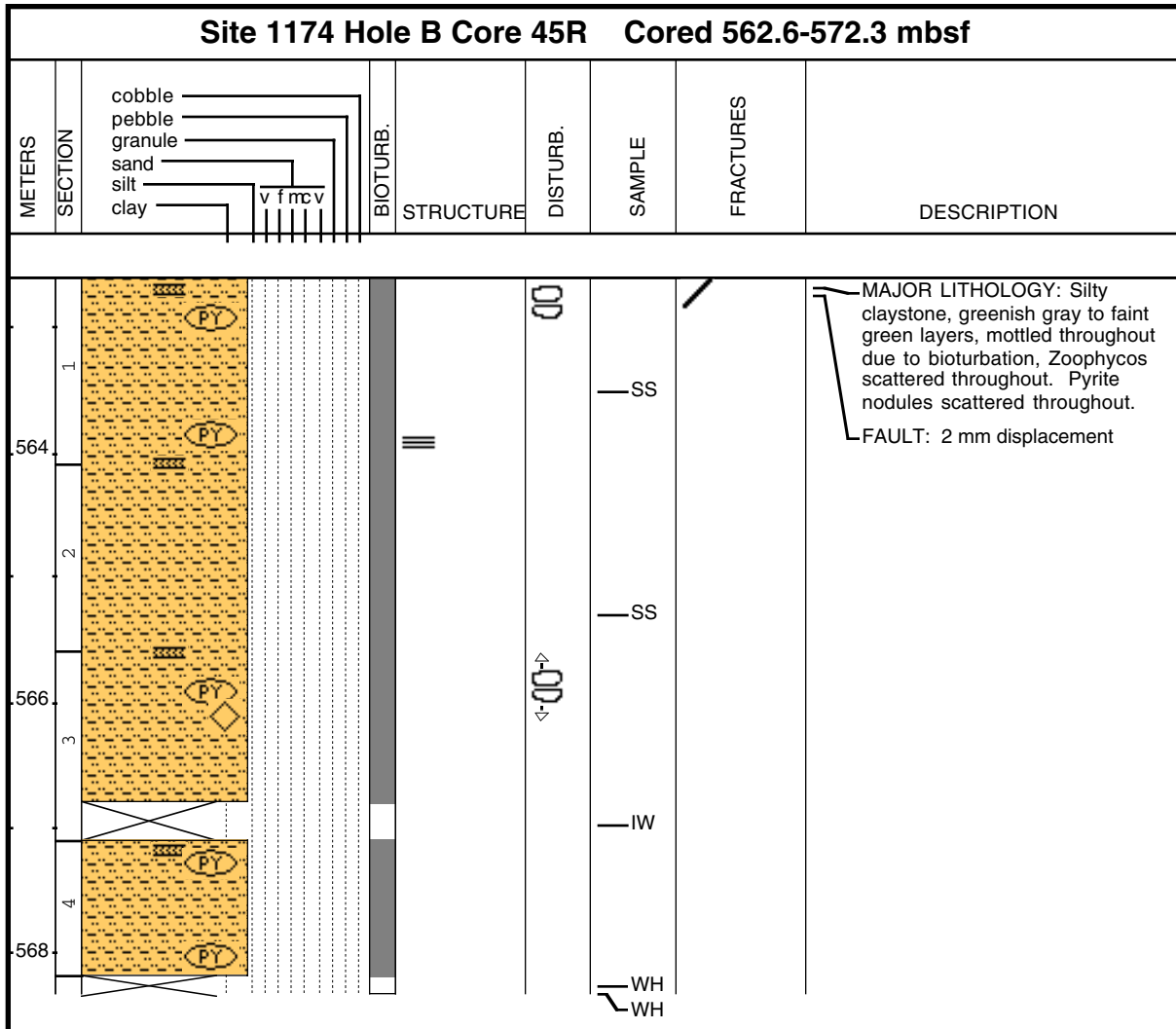
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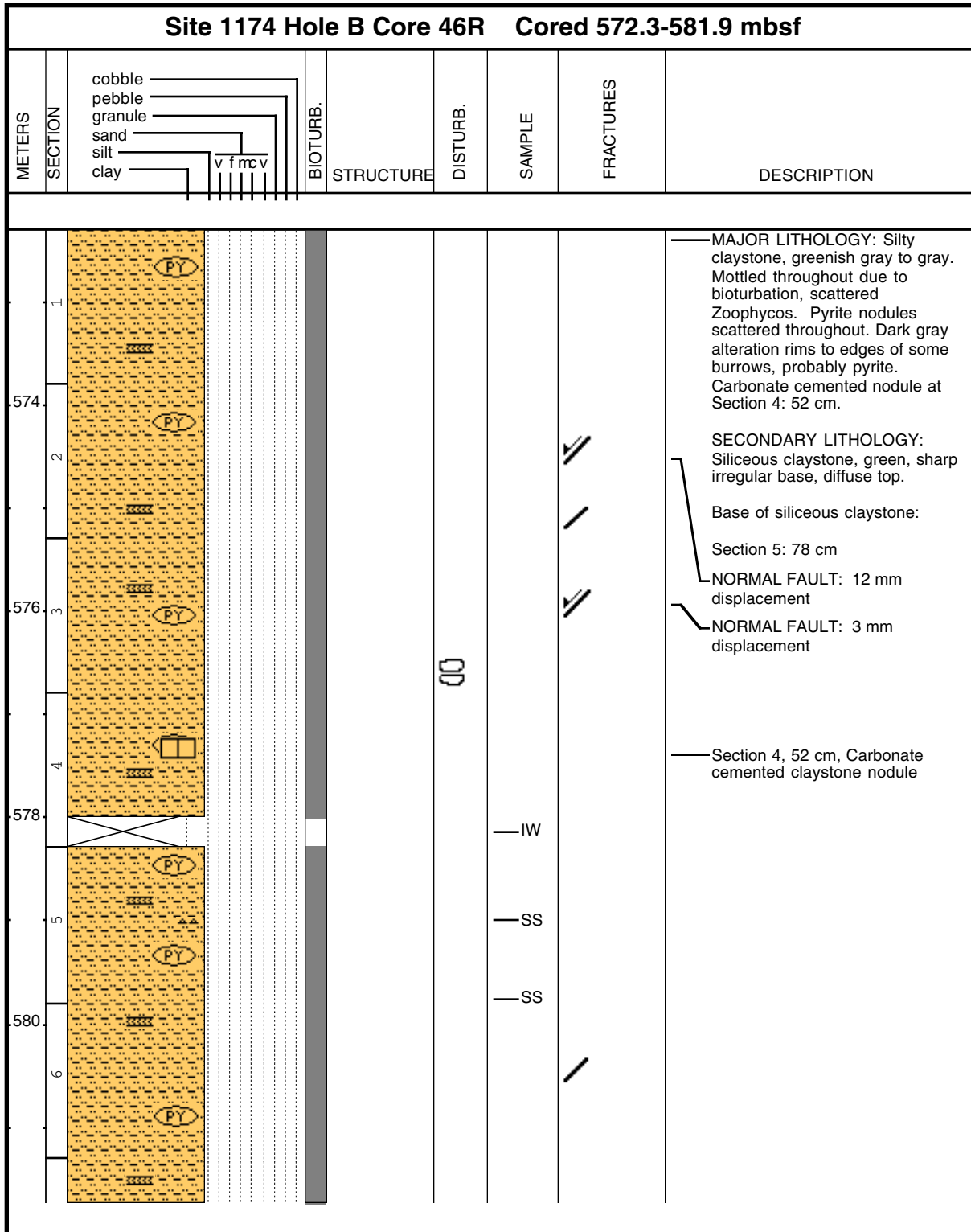
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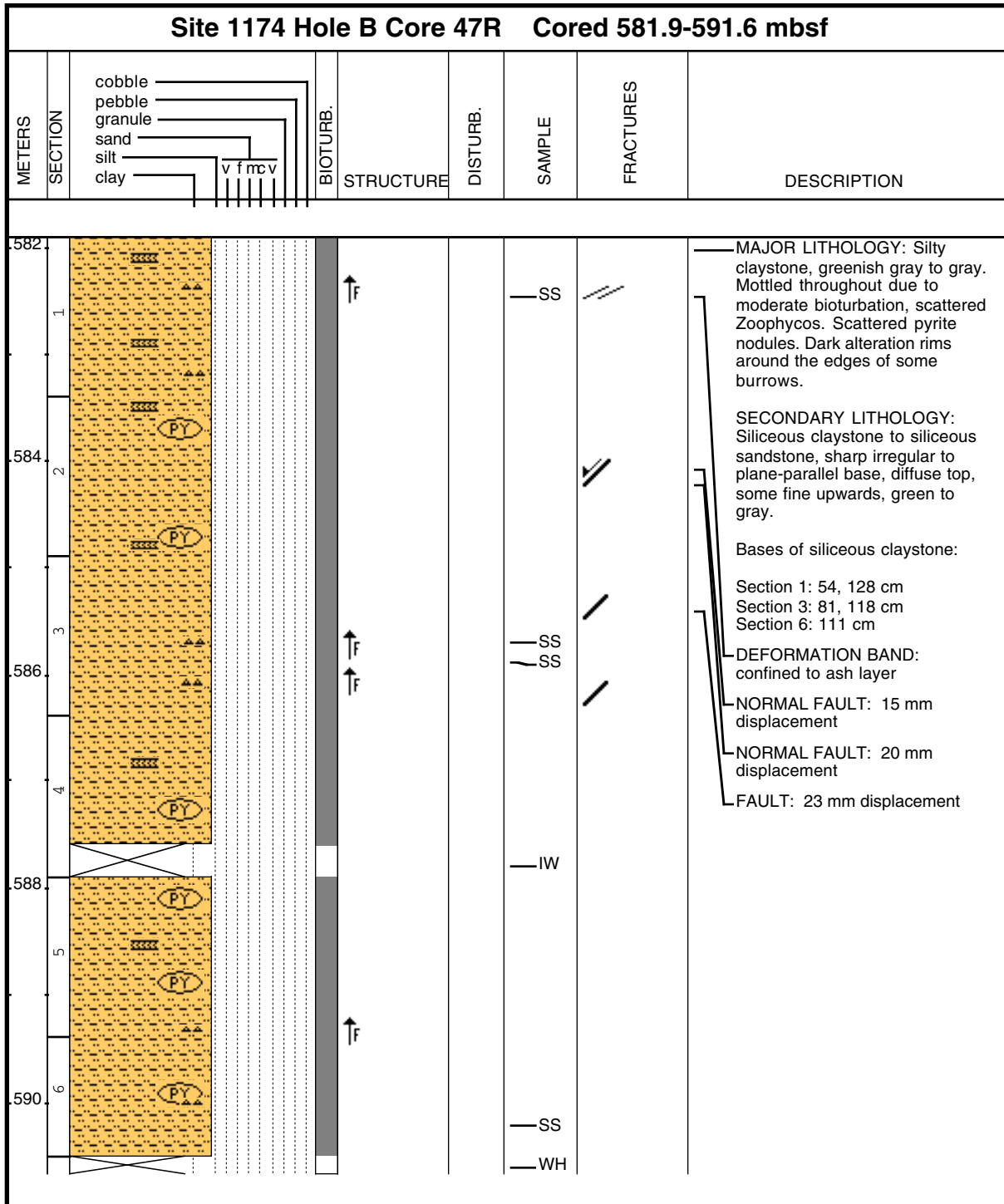
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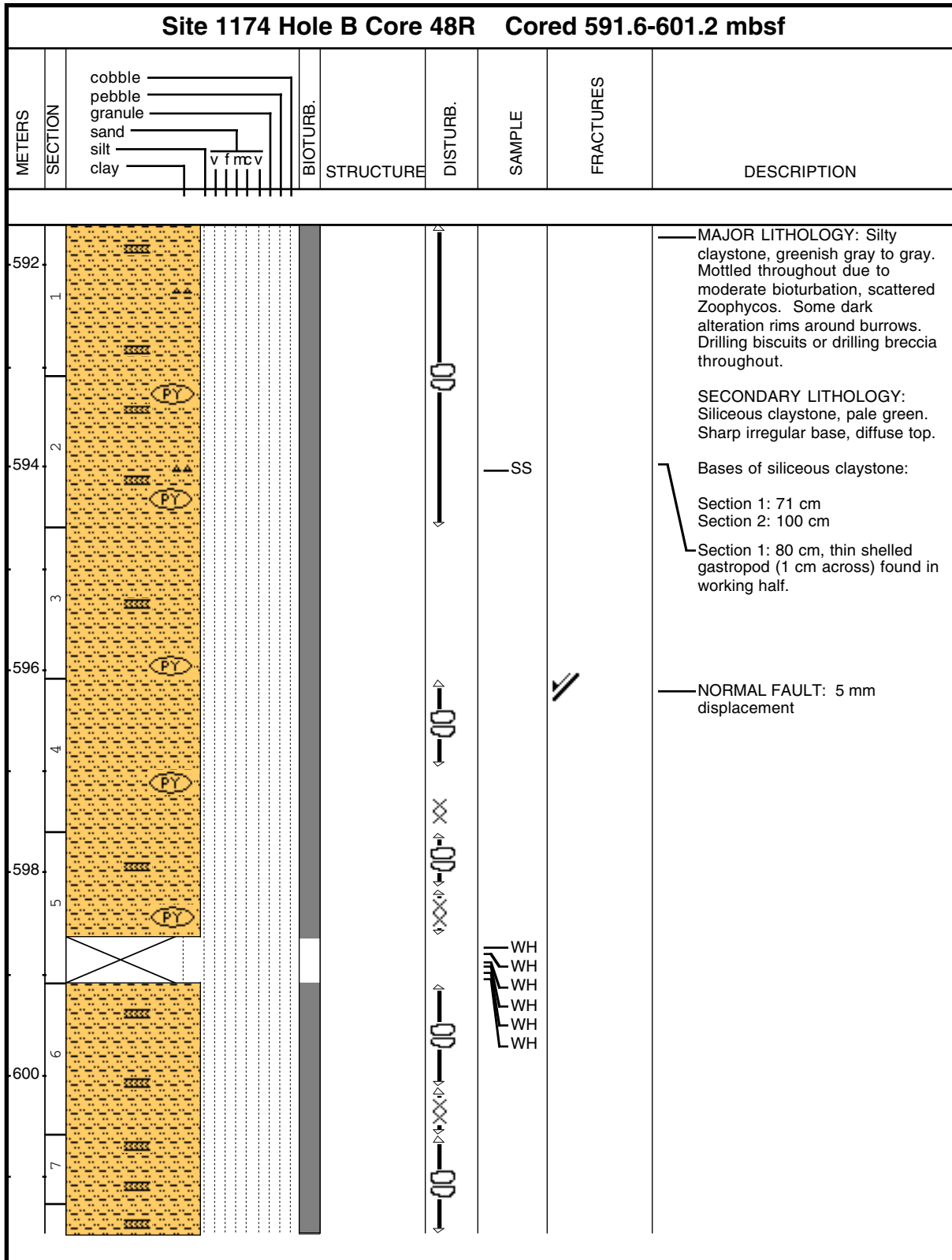
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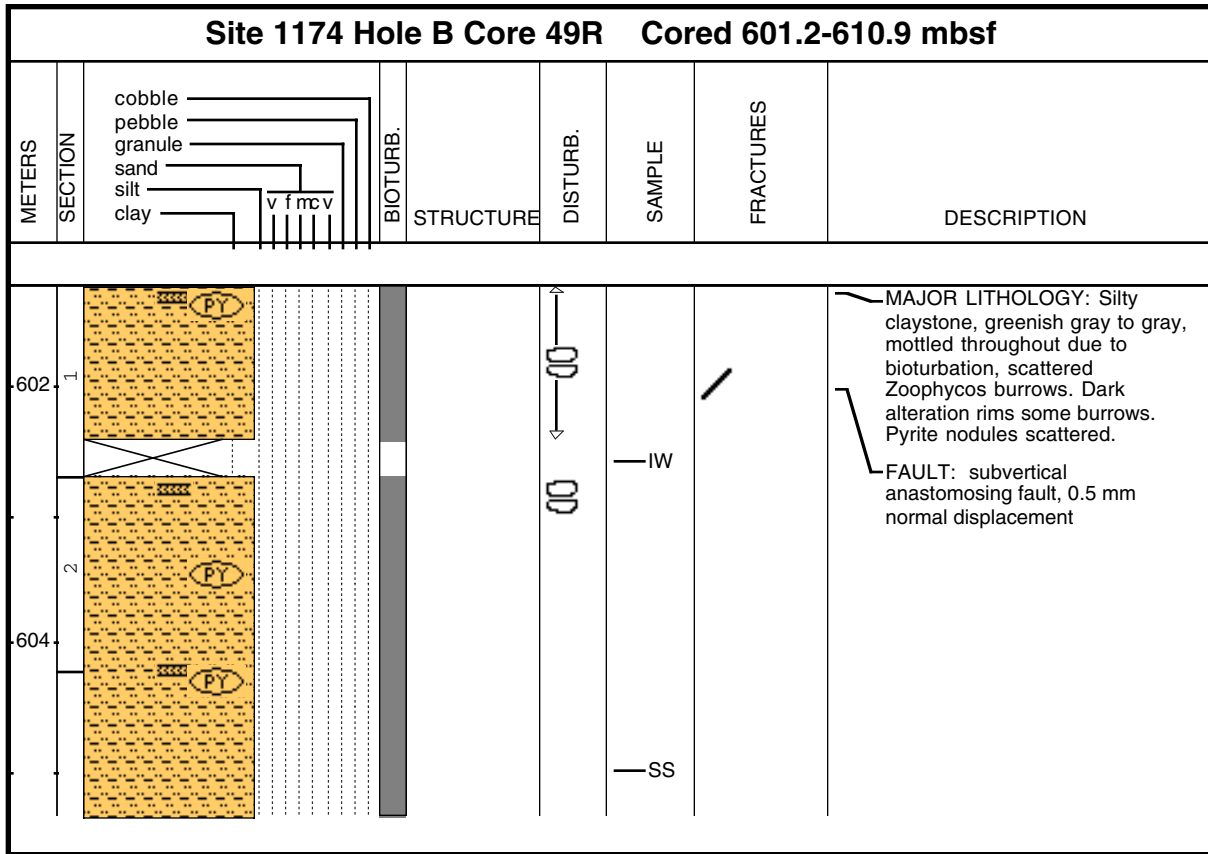
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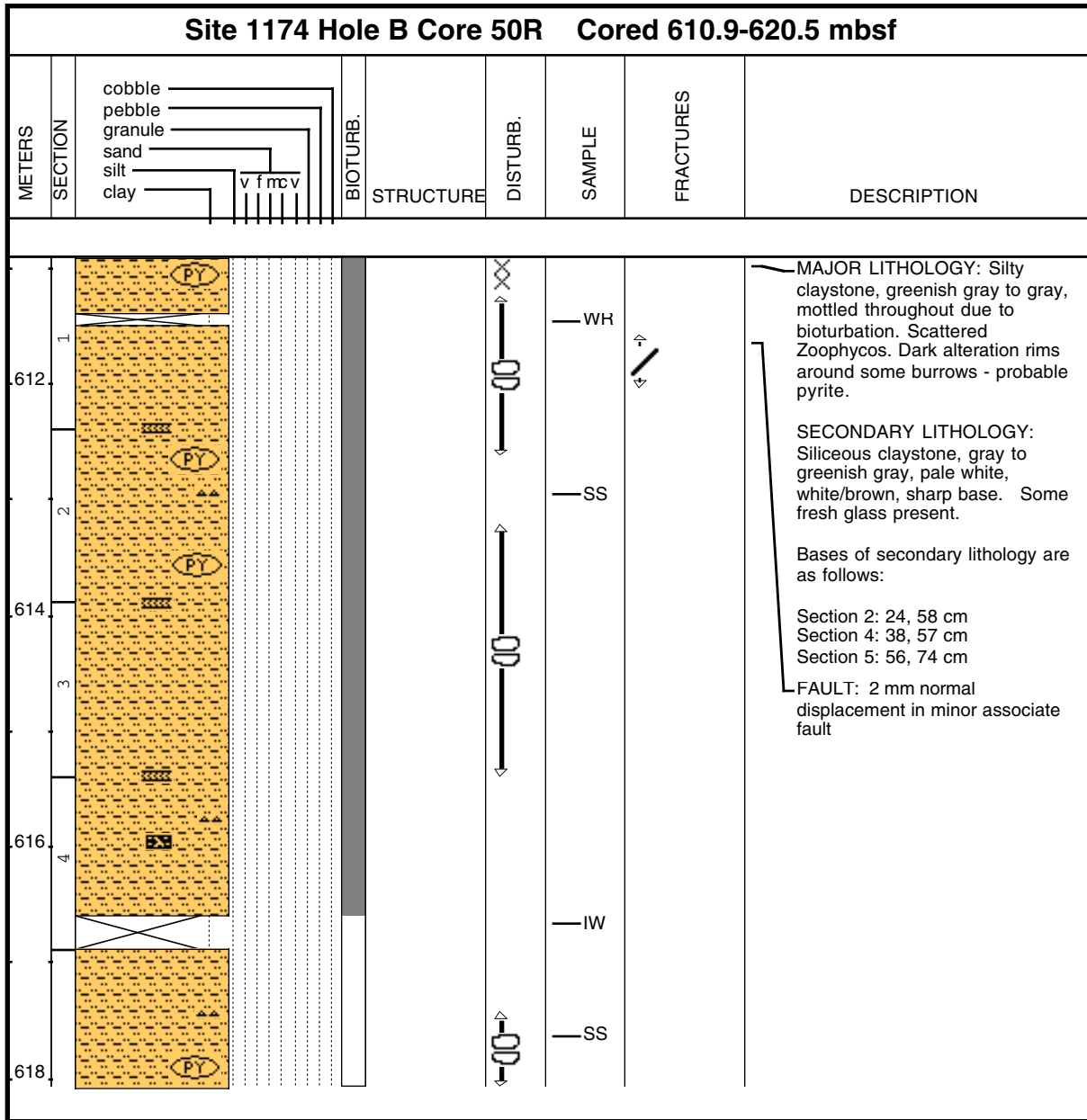
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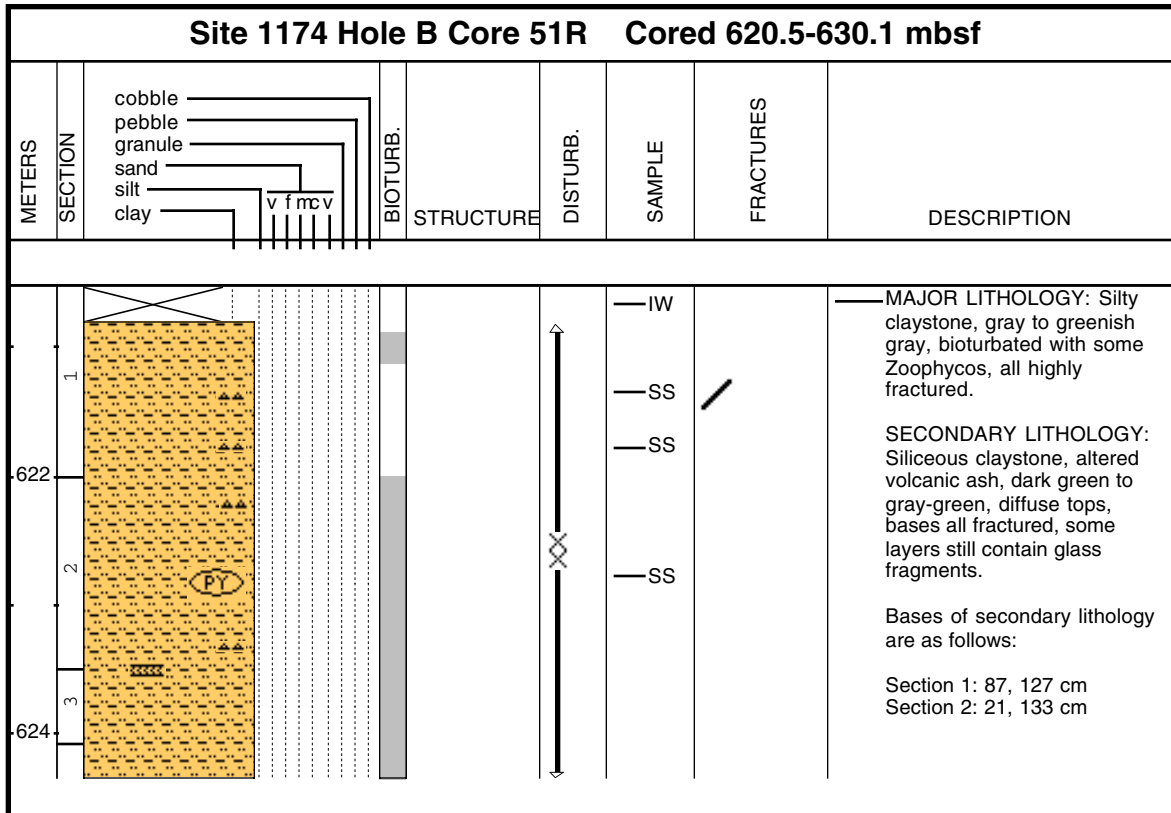
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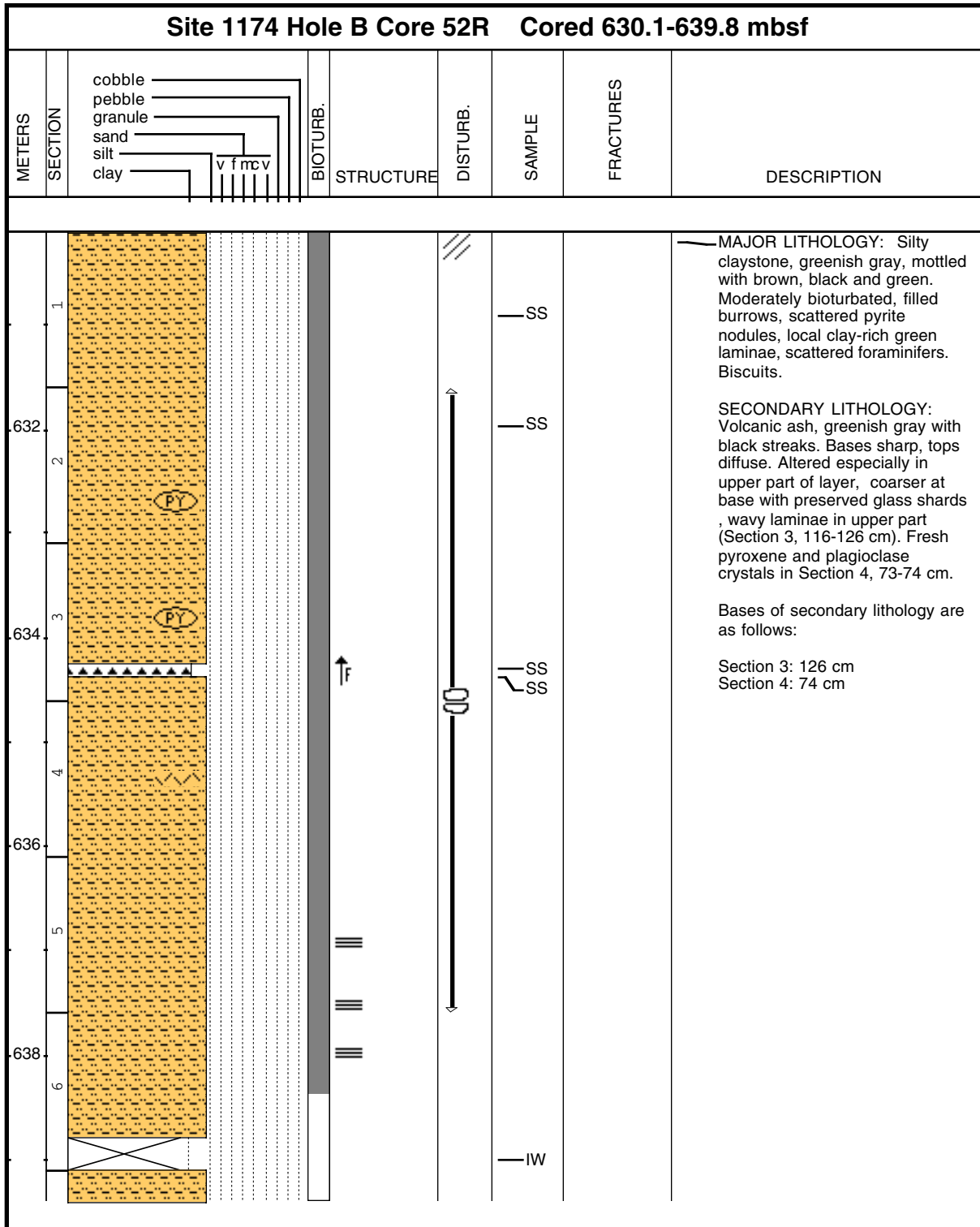
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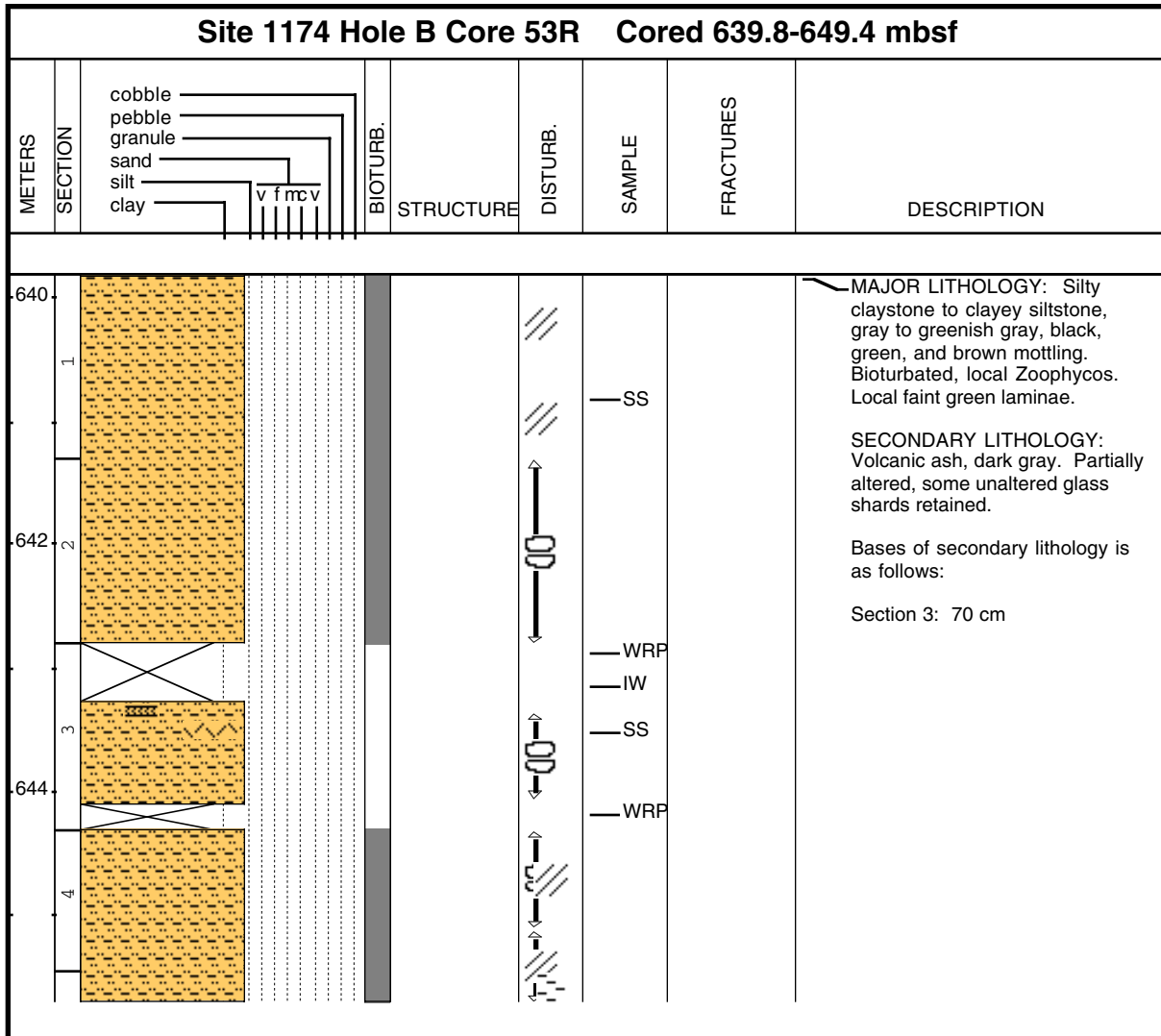
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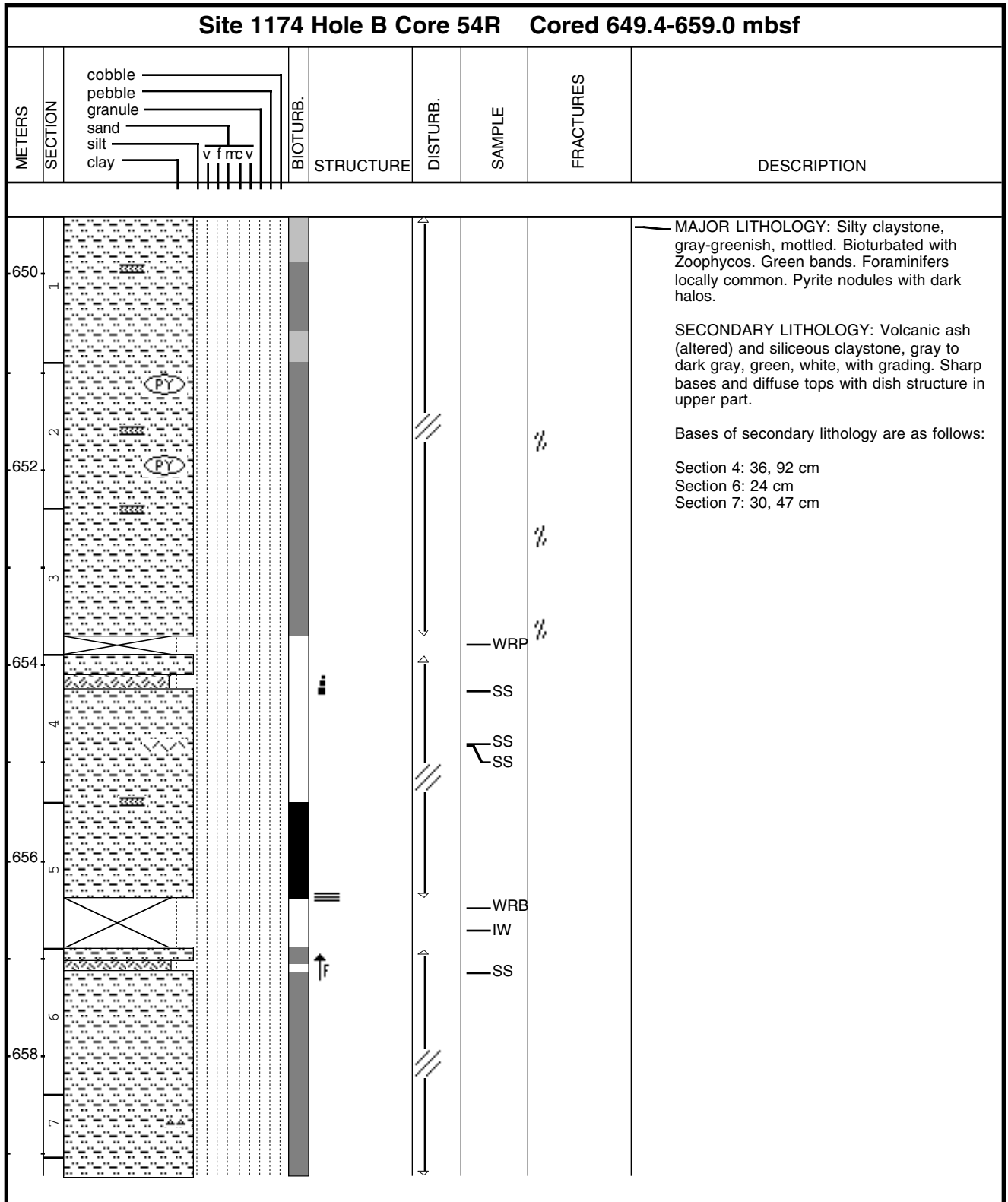
Core Photo



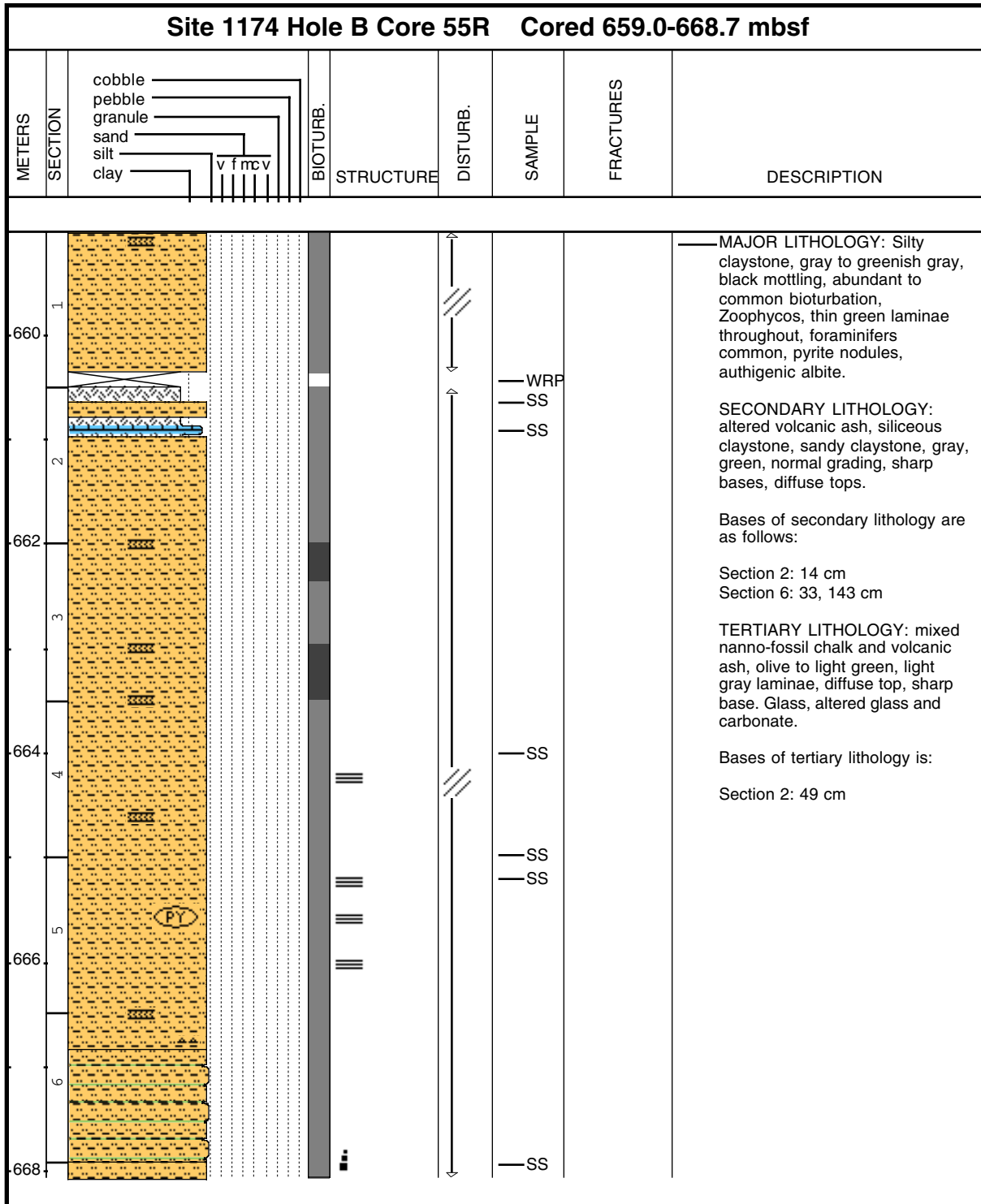
Core Photo



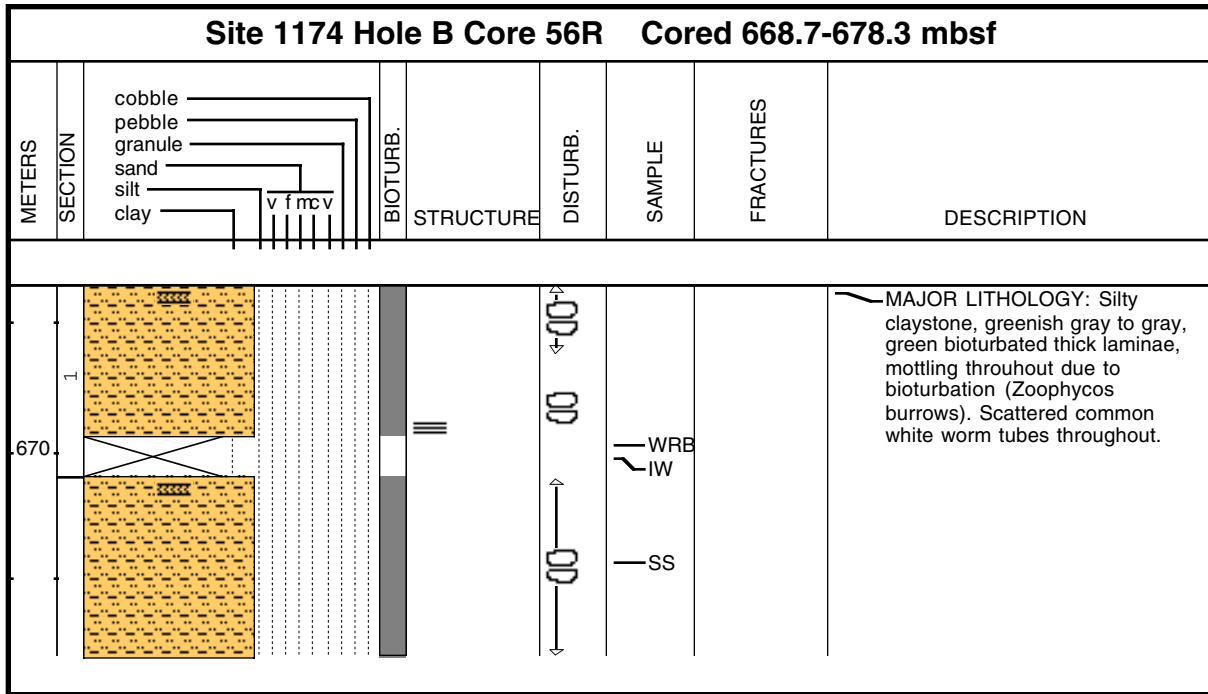
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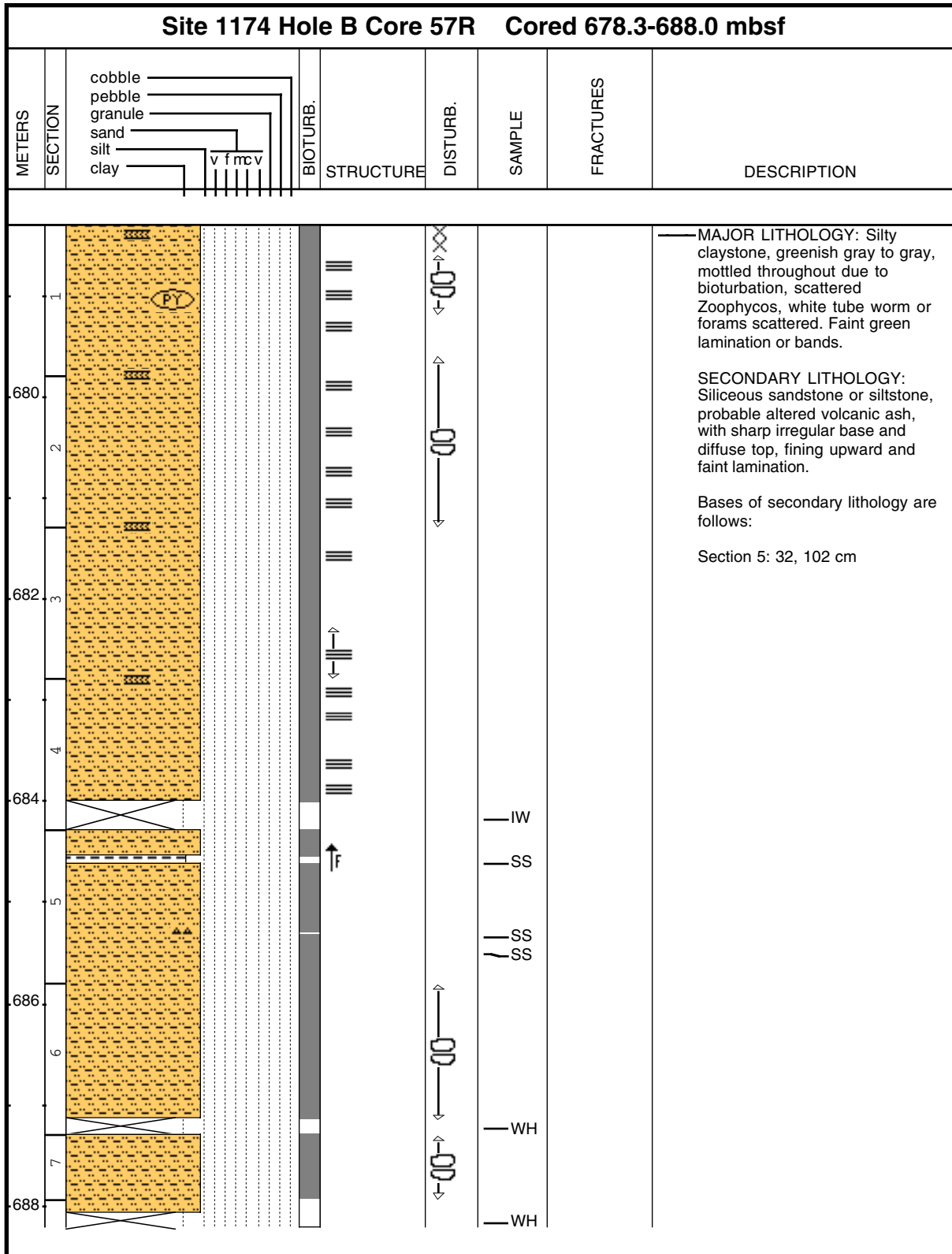
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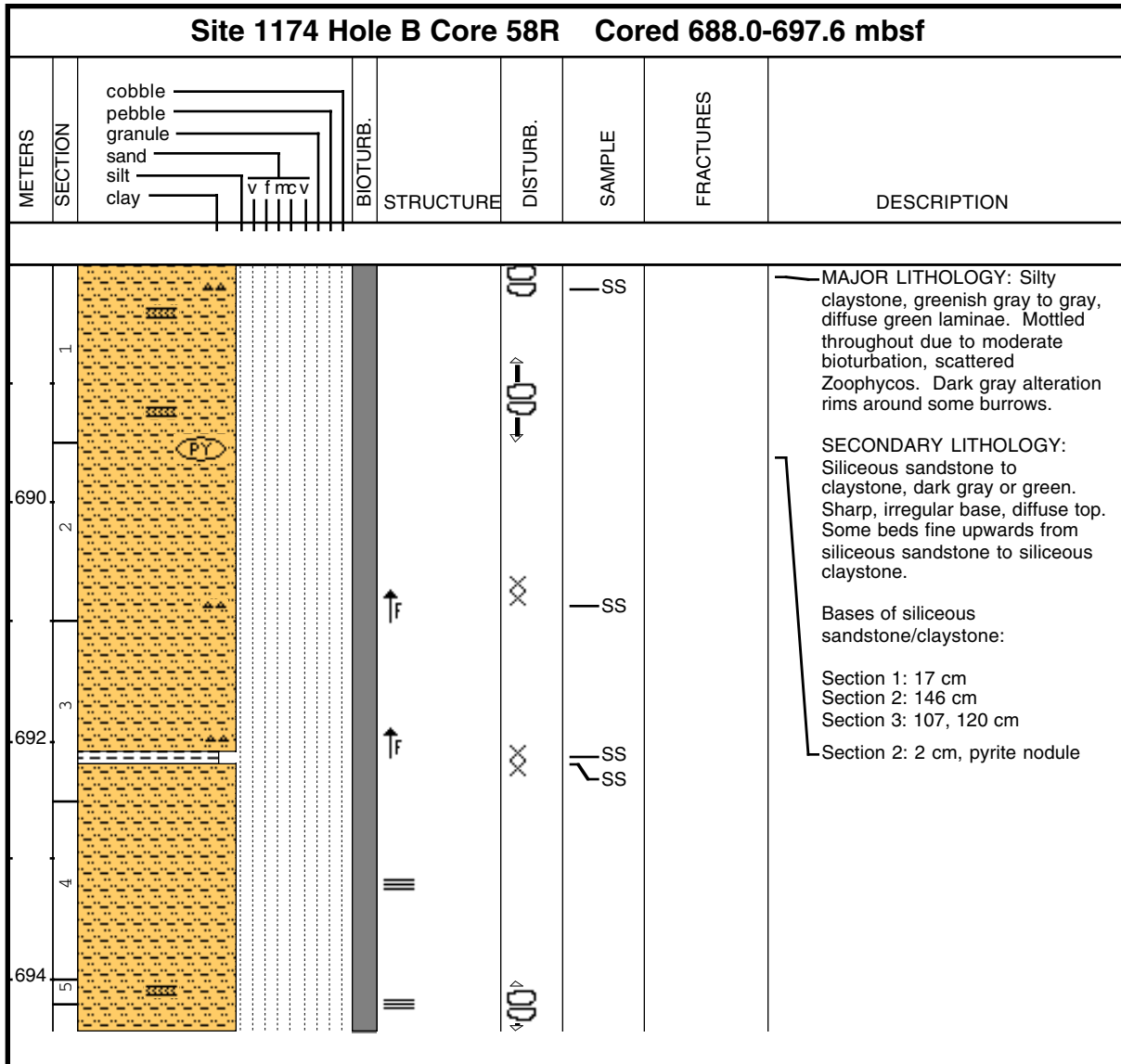
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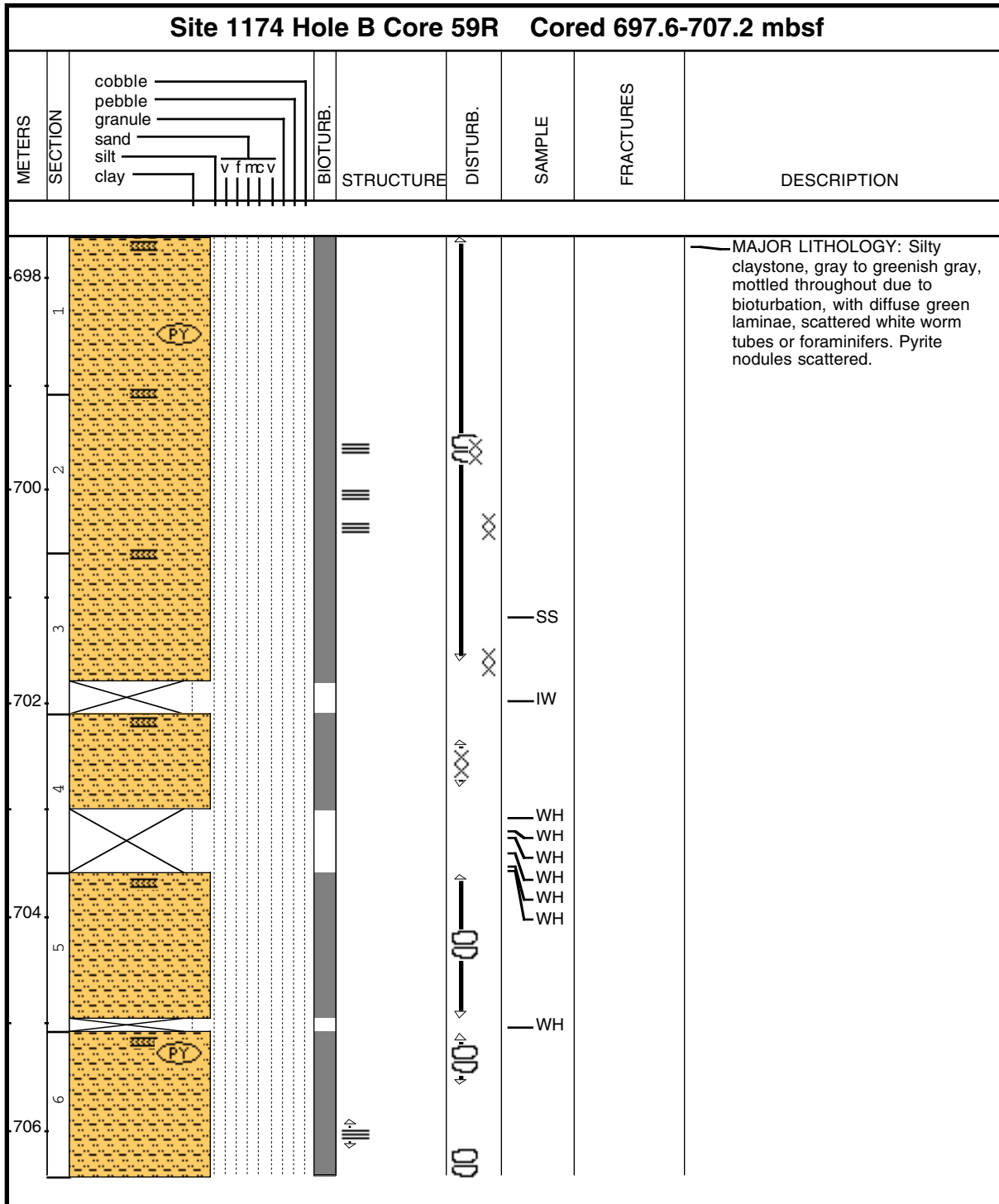
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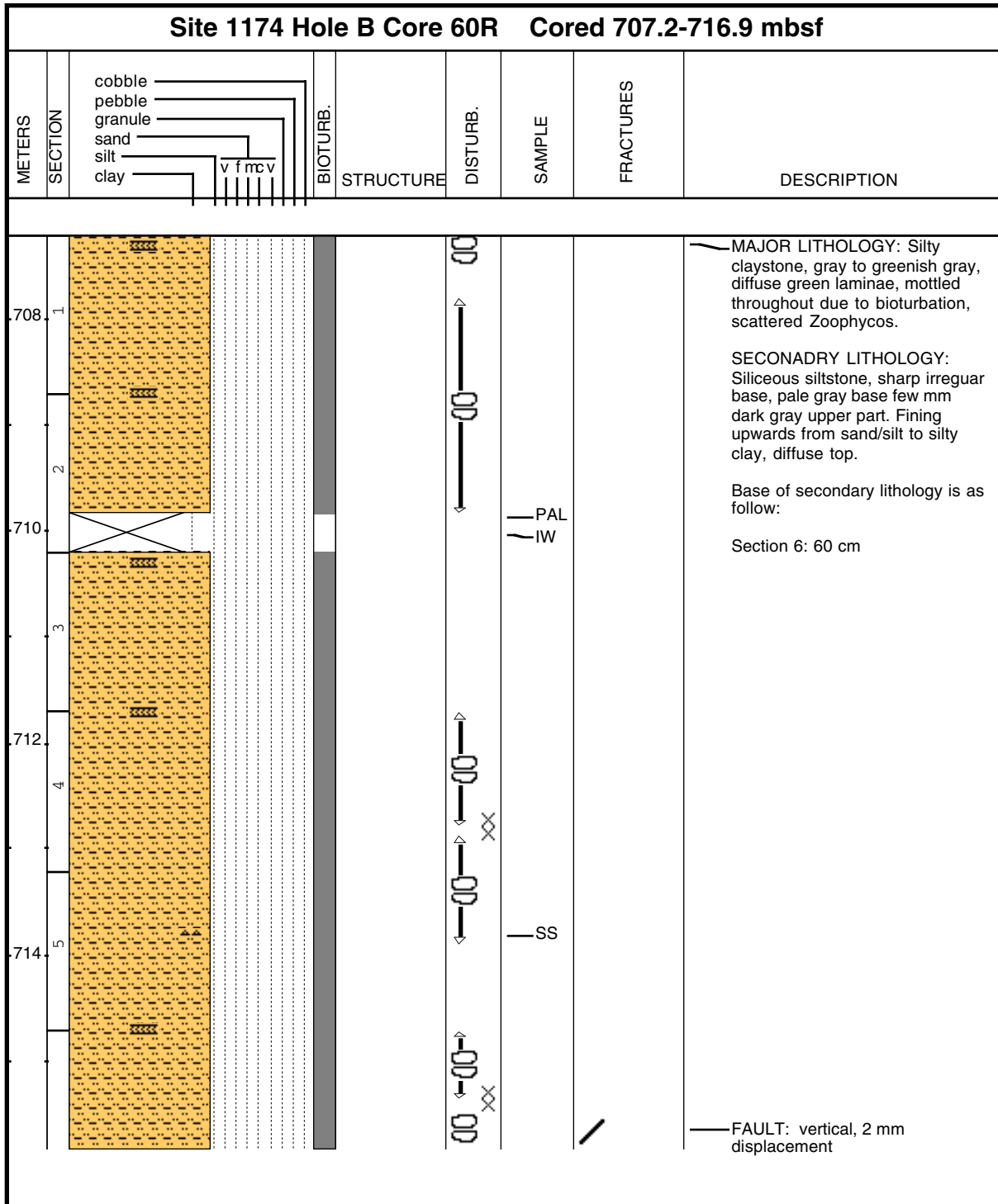
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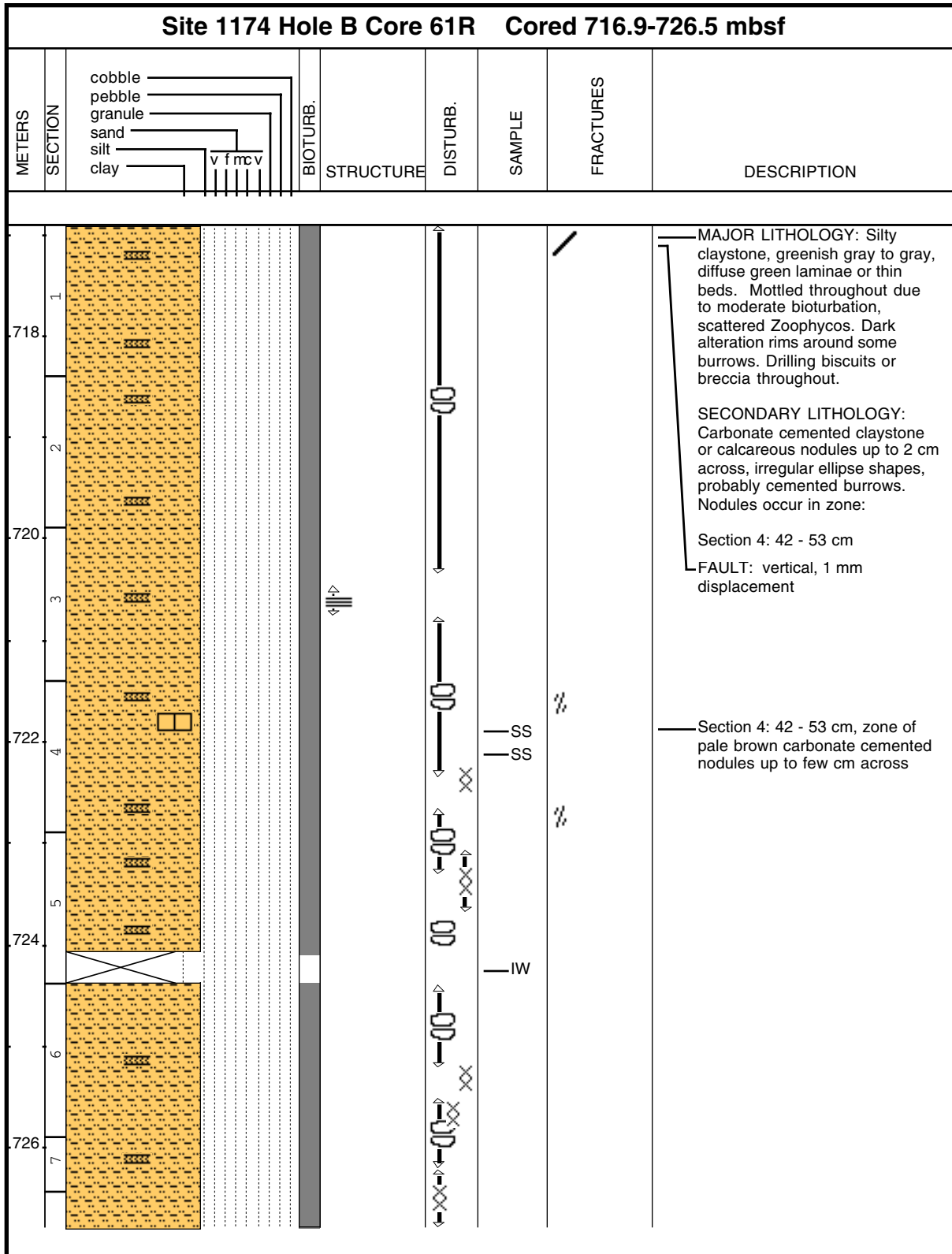
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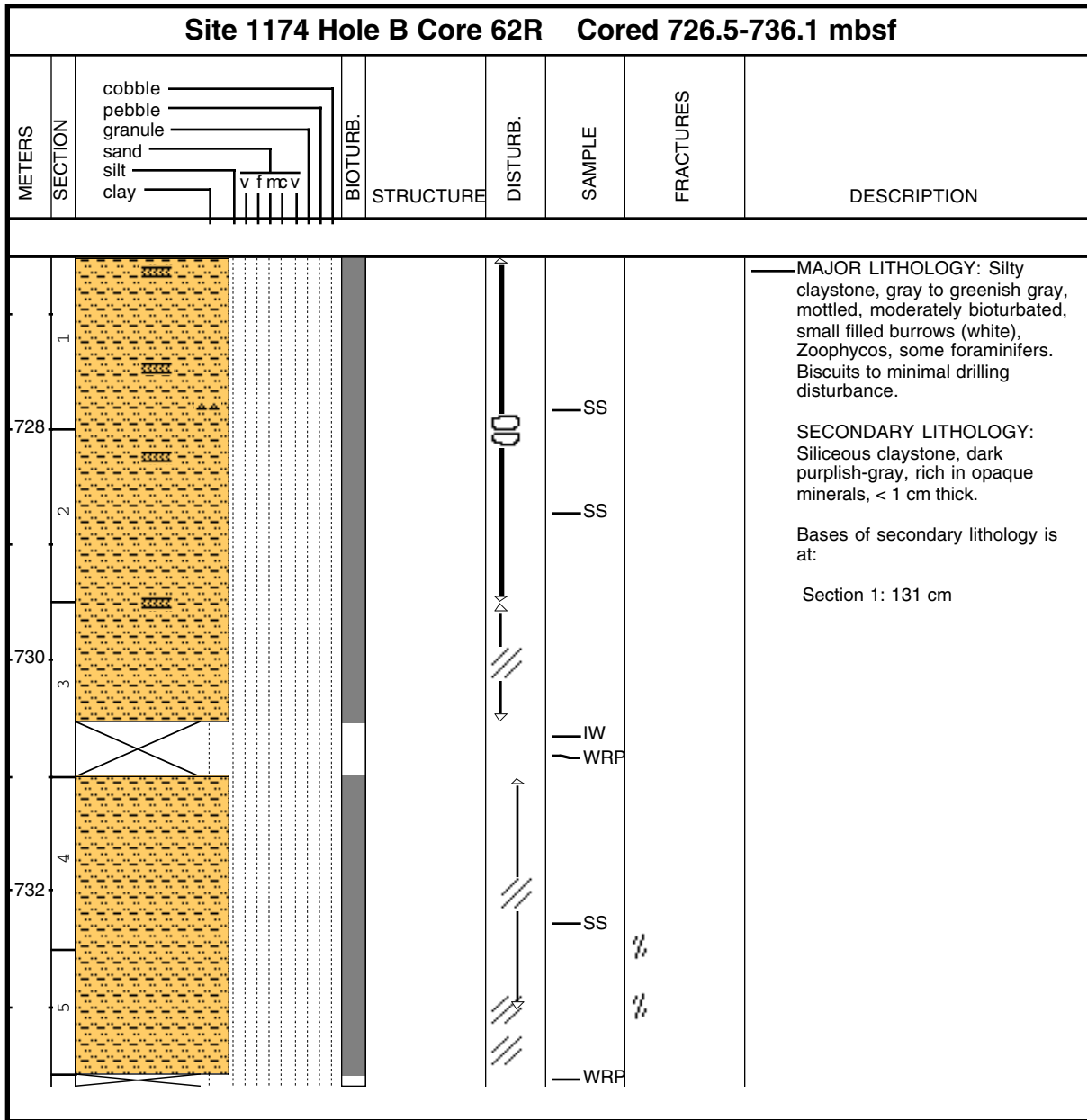
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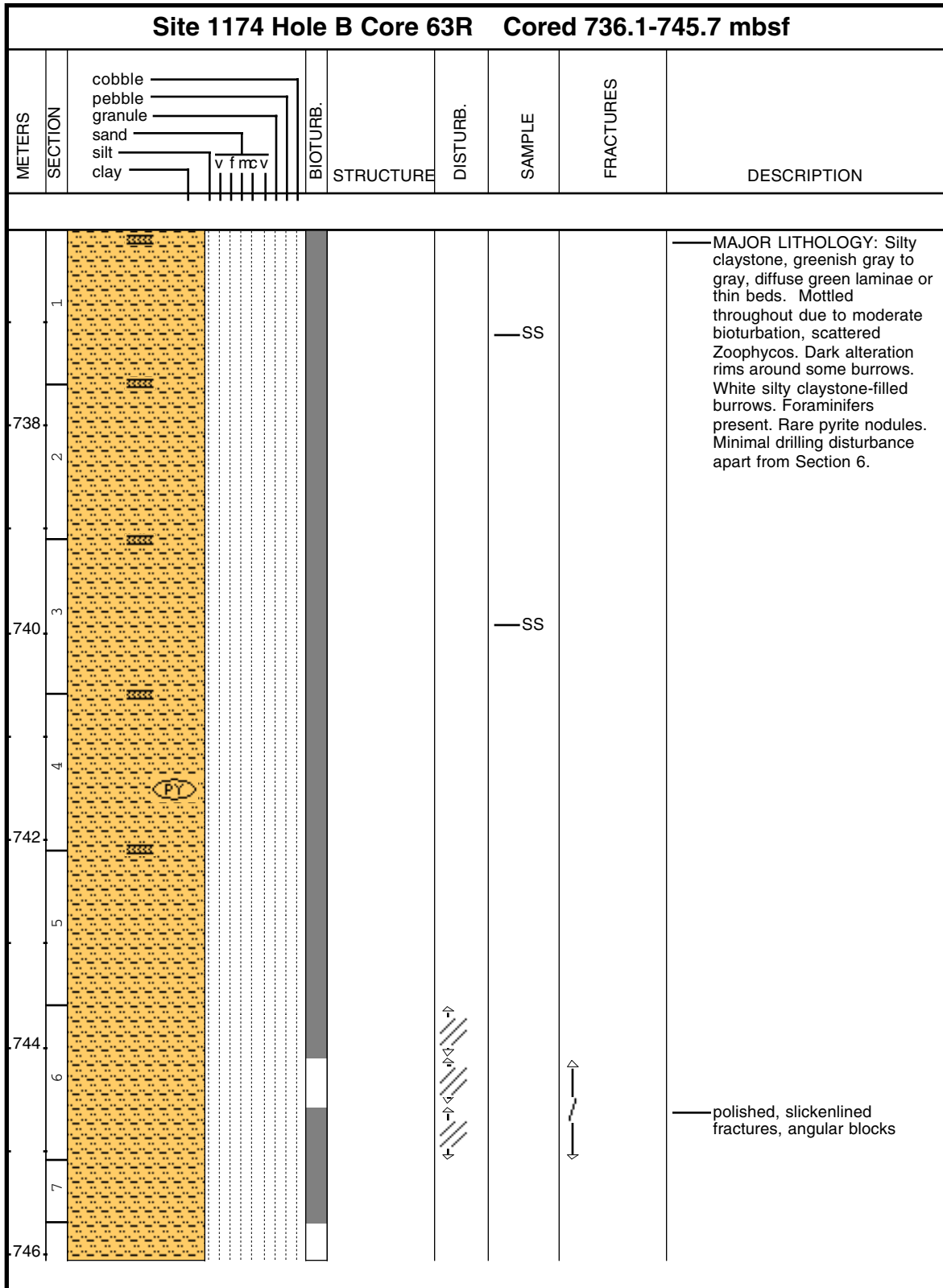
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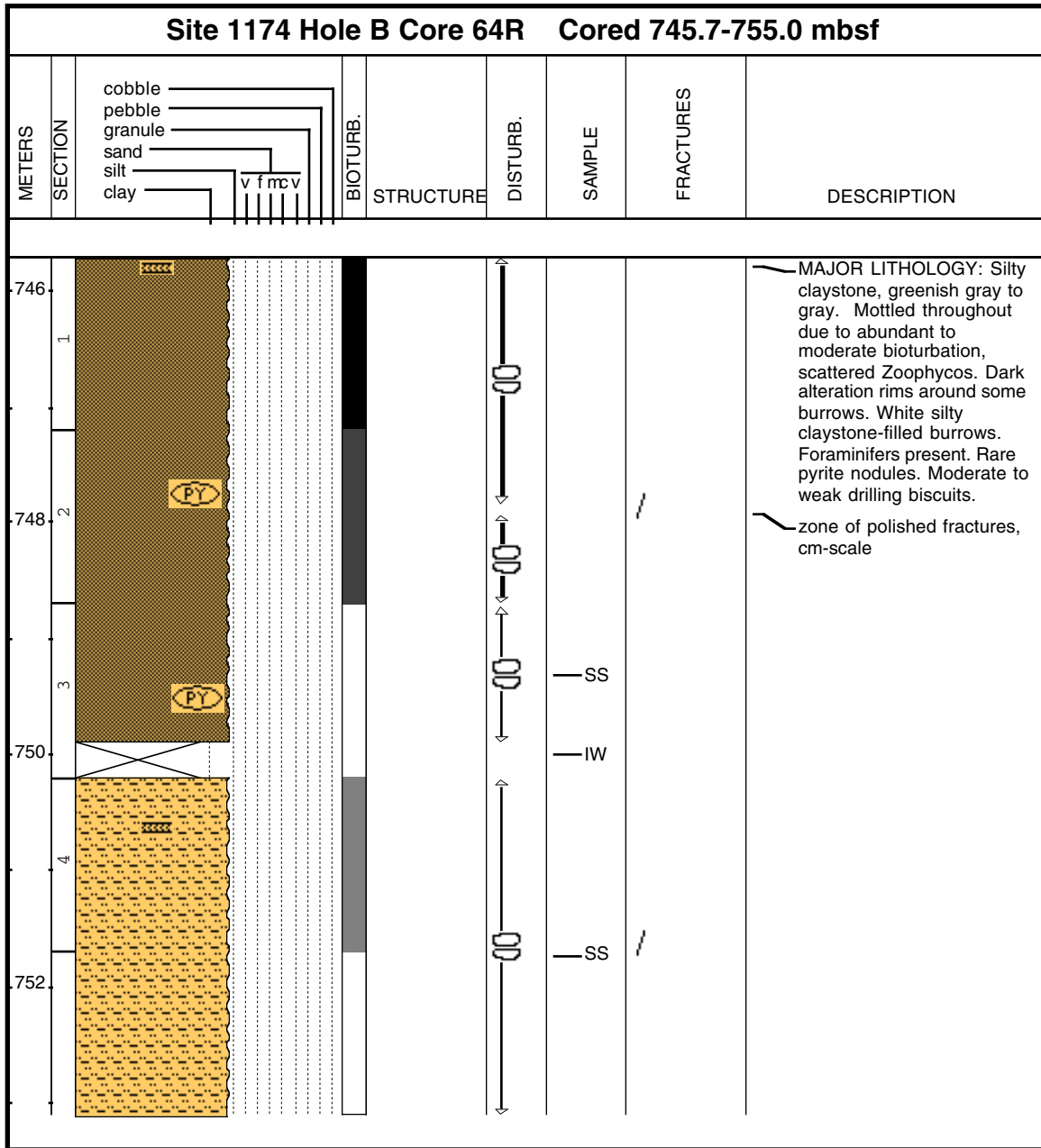
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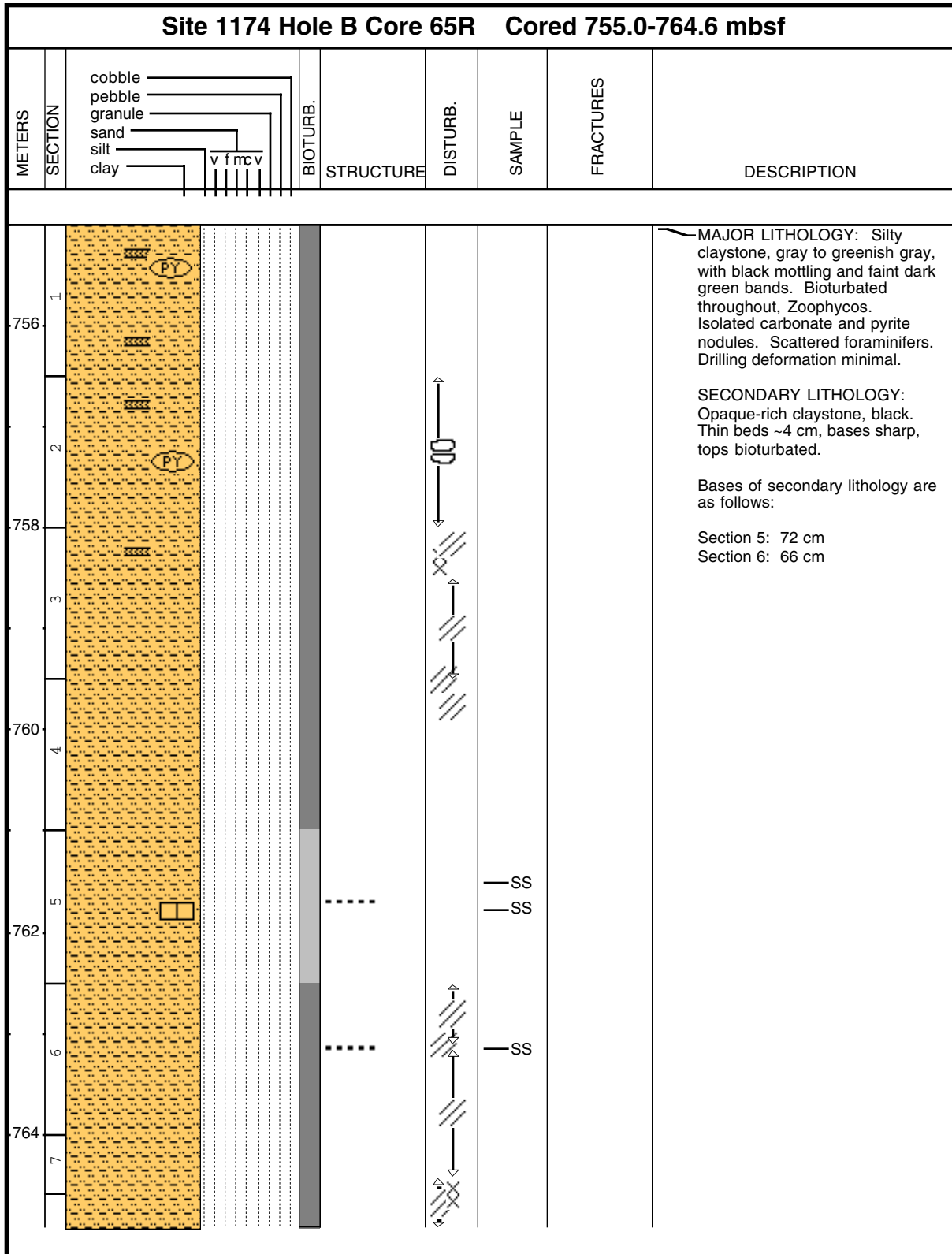
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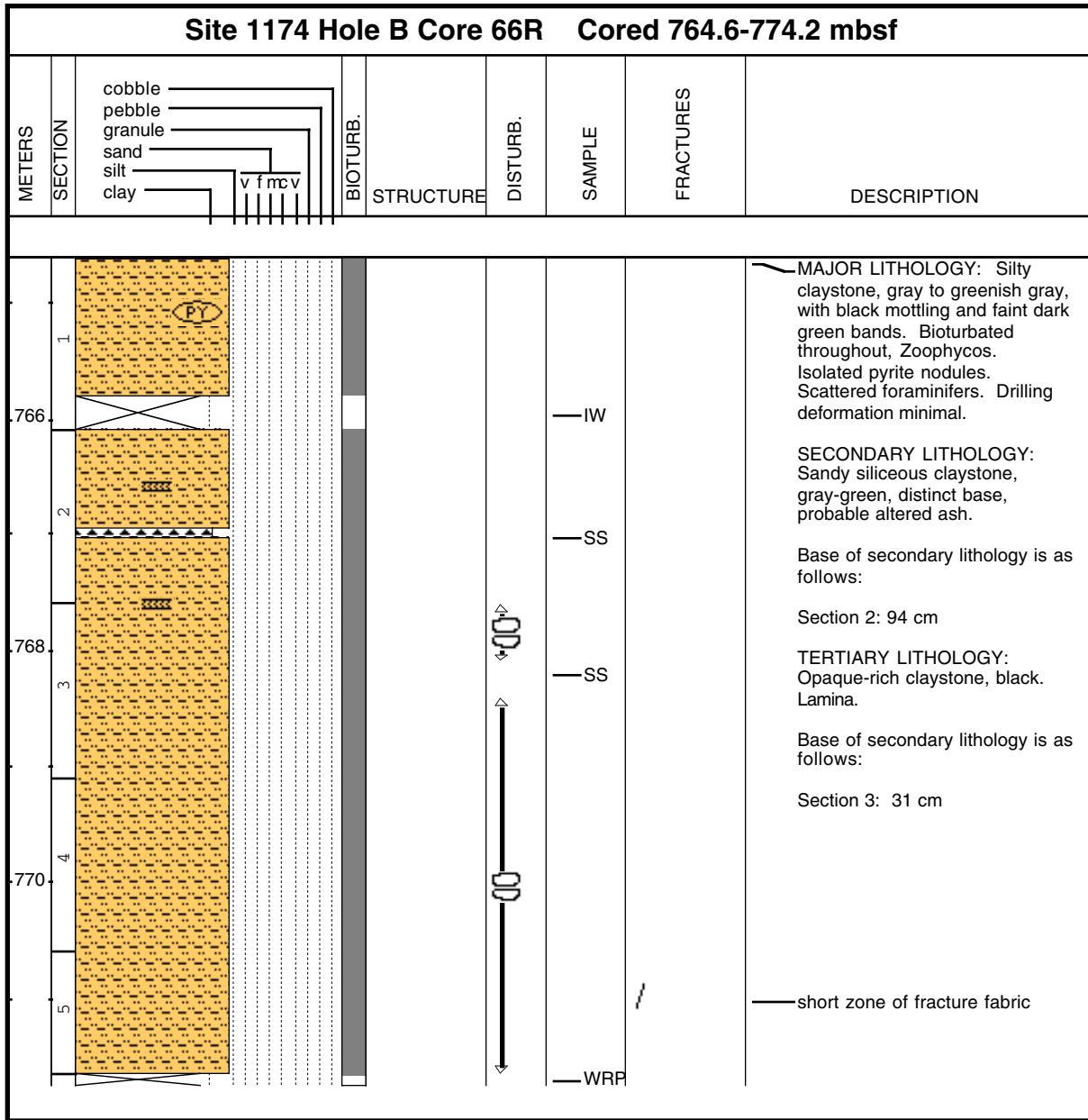
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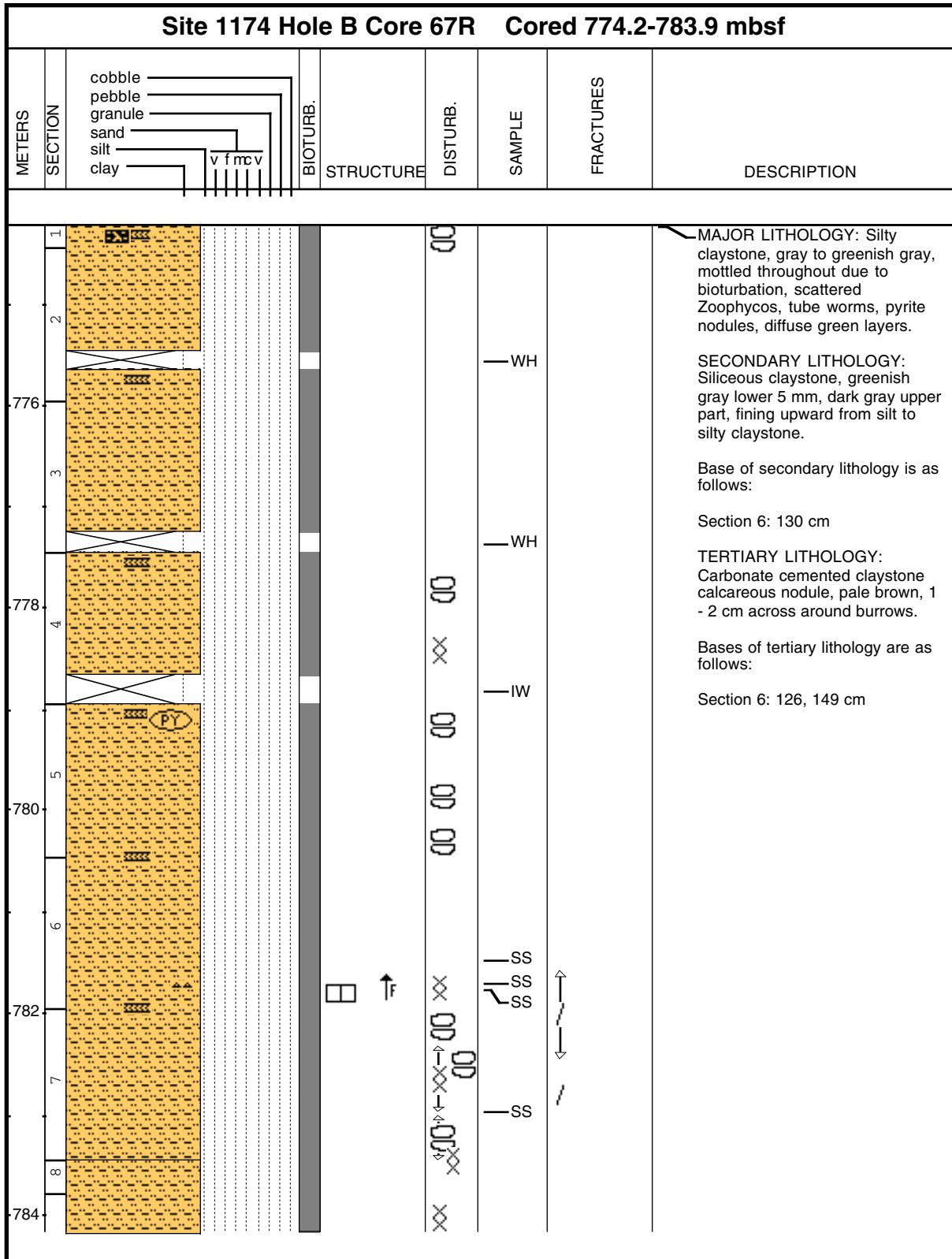
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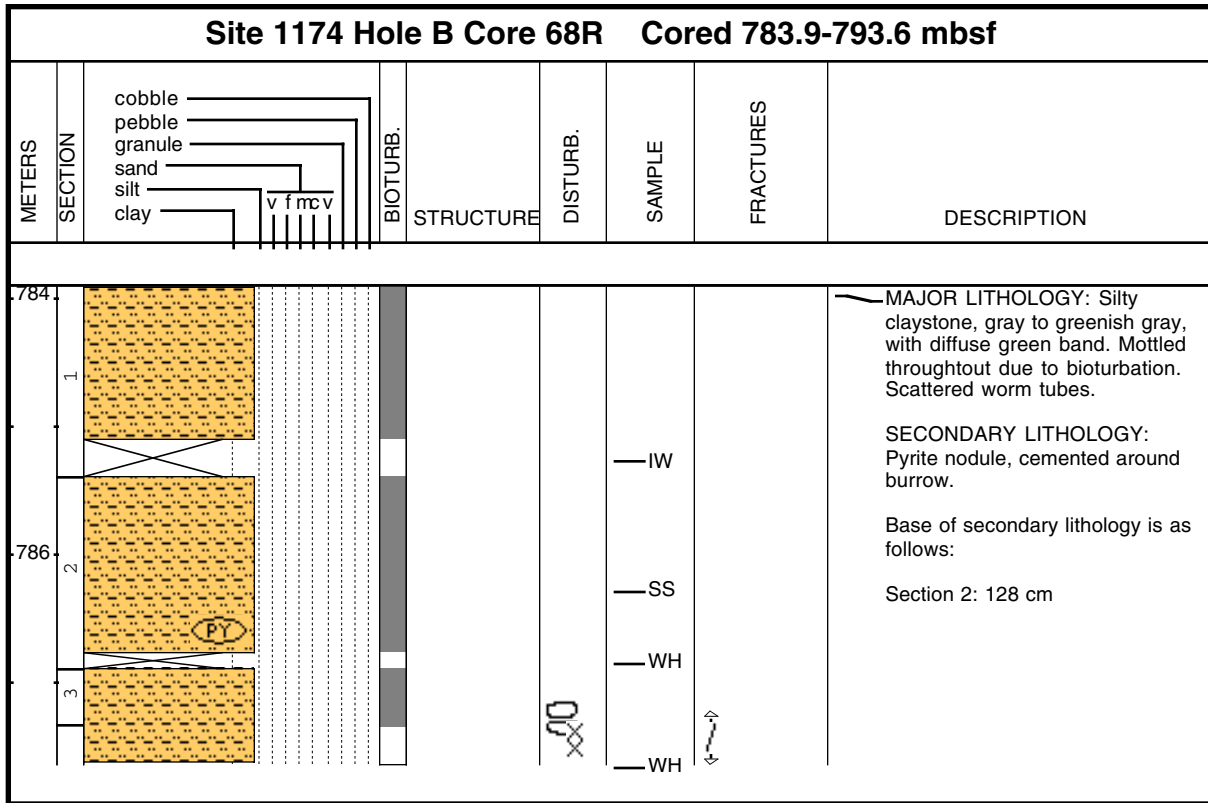
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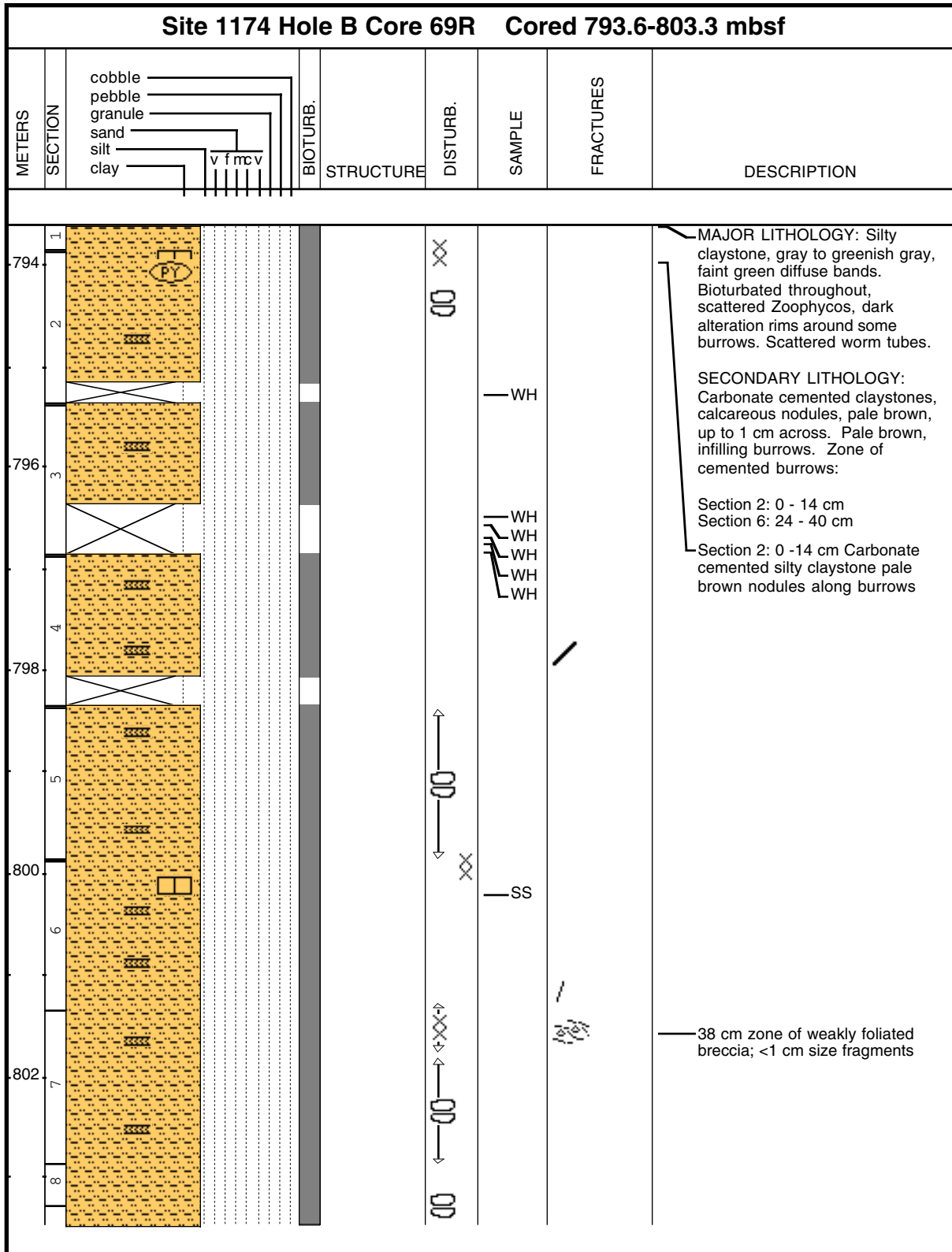
Core Photo



Core Photo

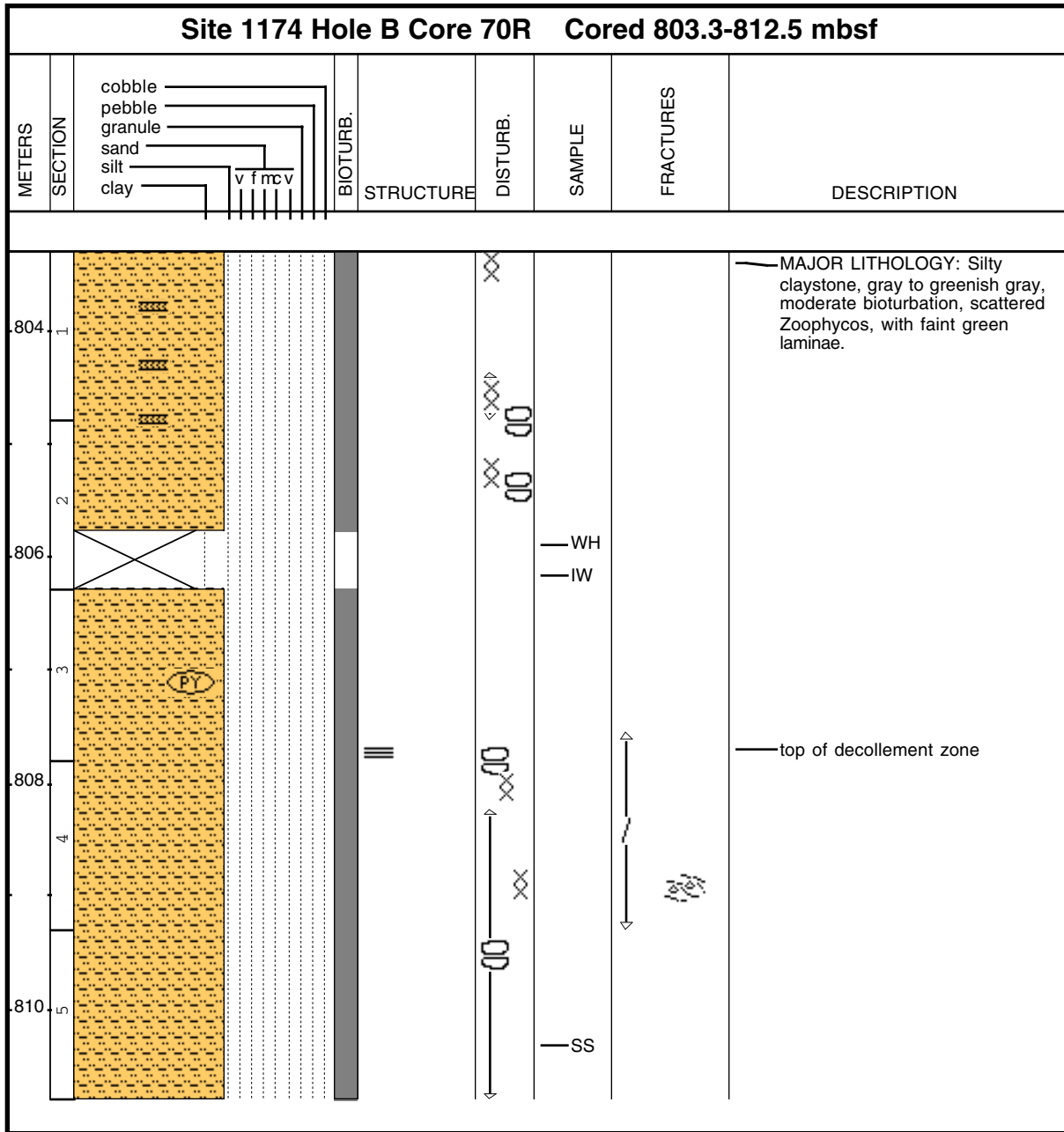


Core Photo

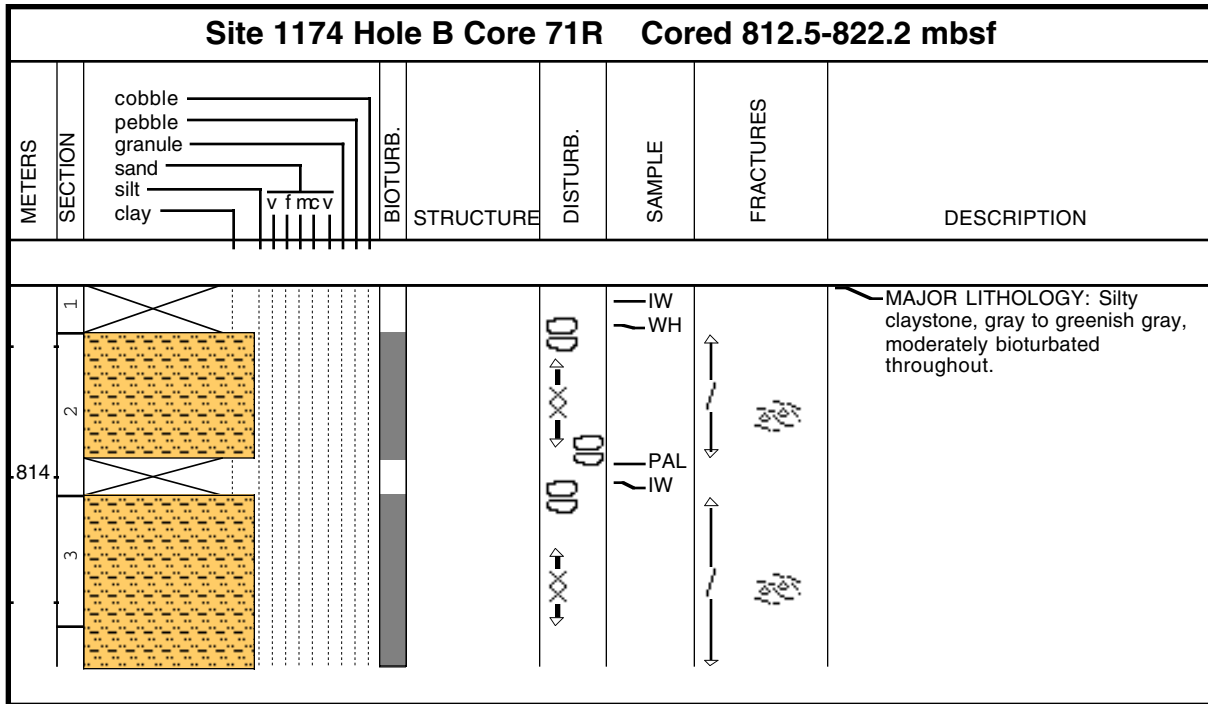


38 cm zone of weakly foliated breccia; <1 cm size fragments

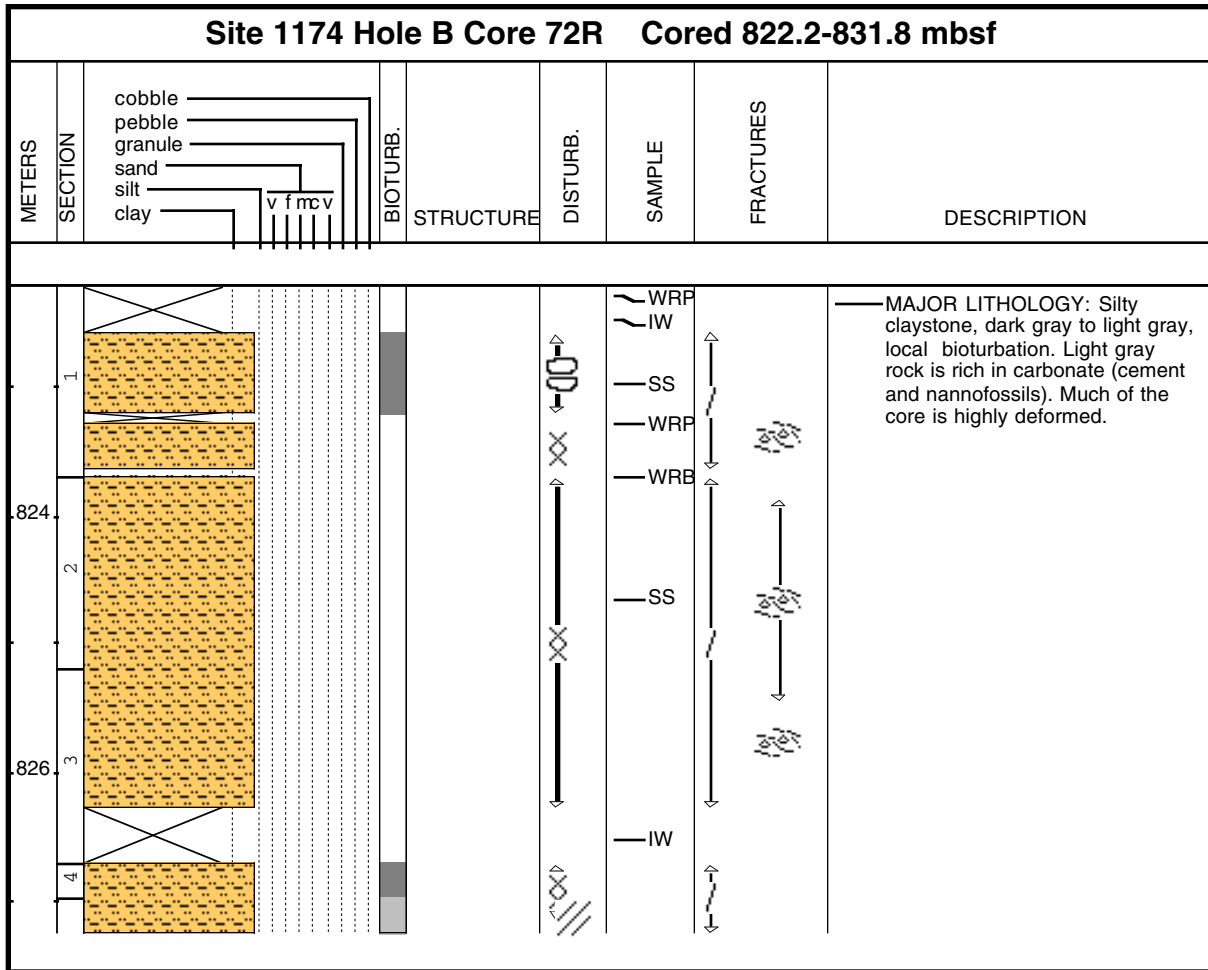
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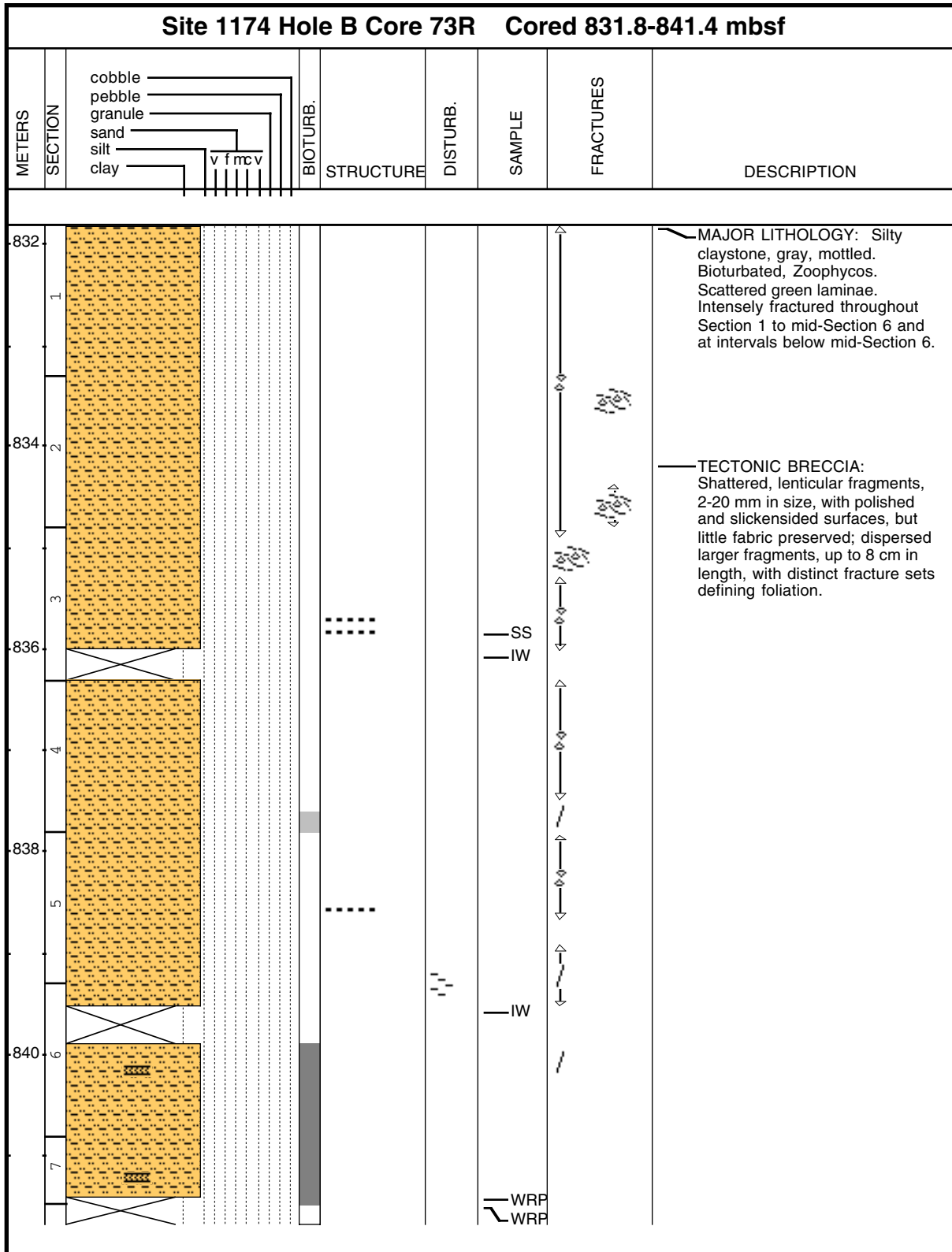
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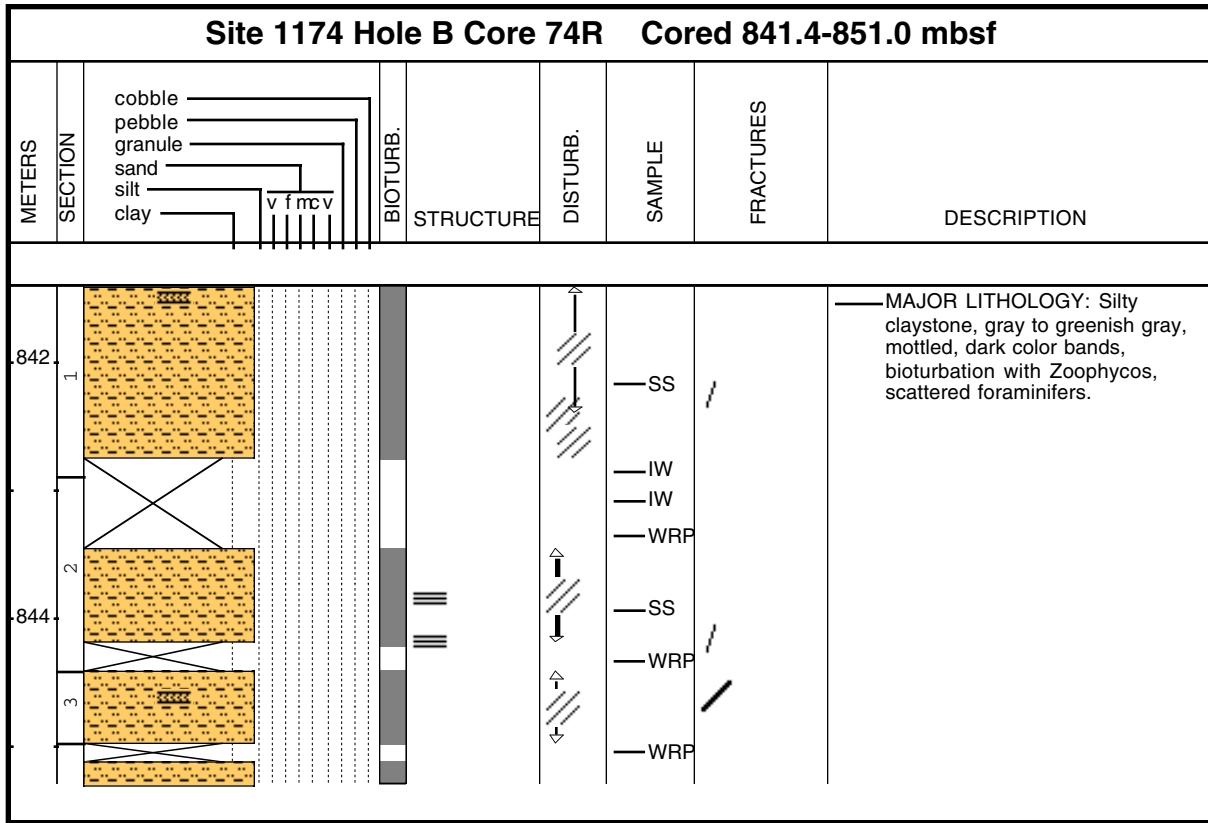
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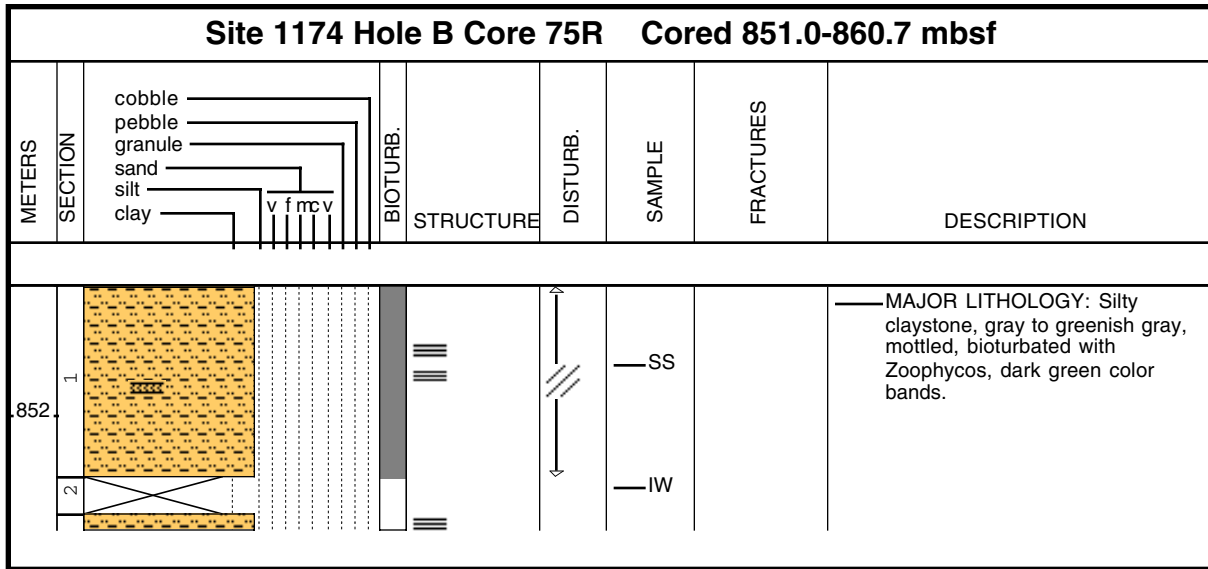
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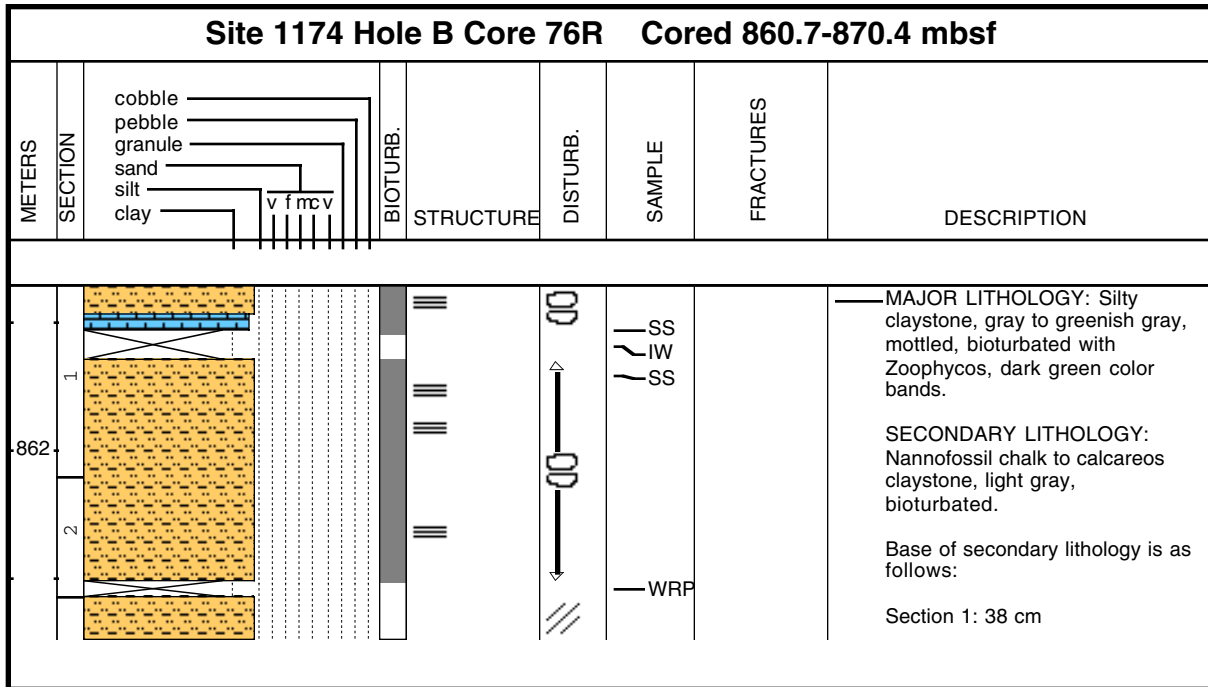
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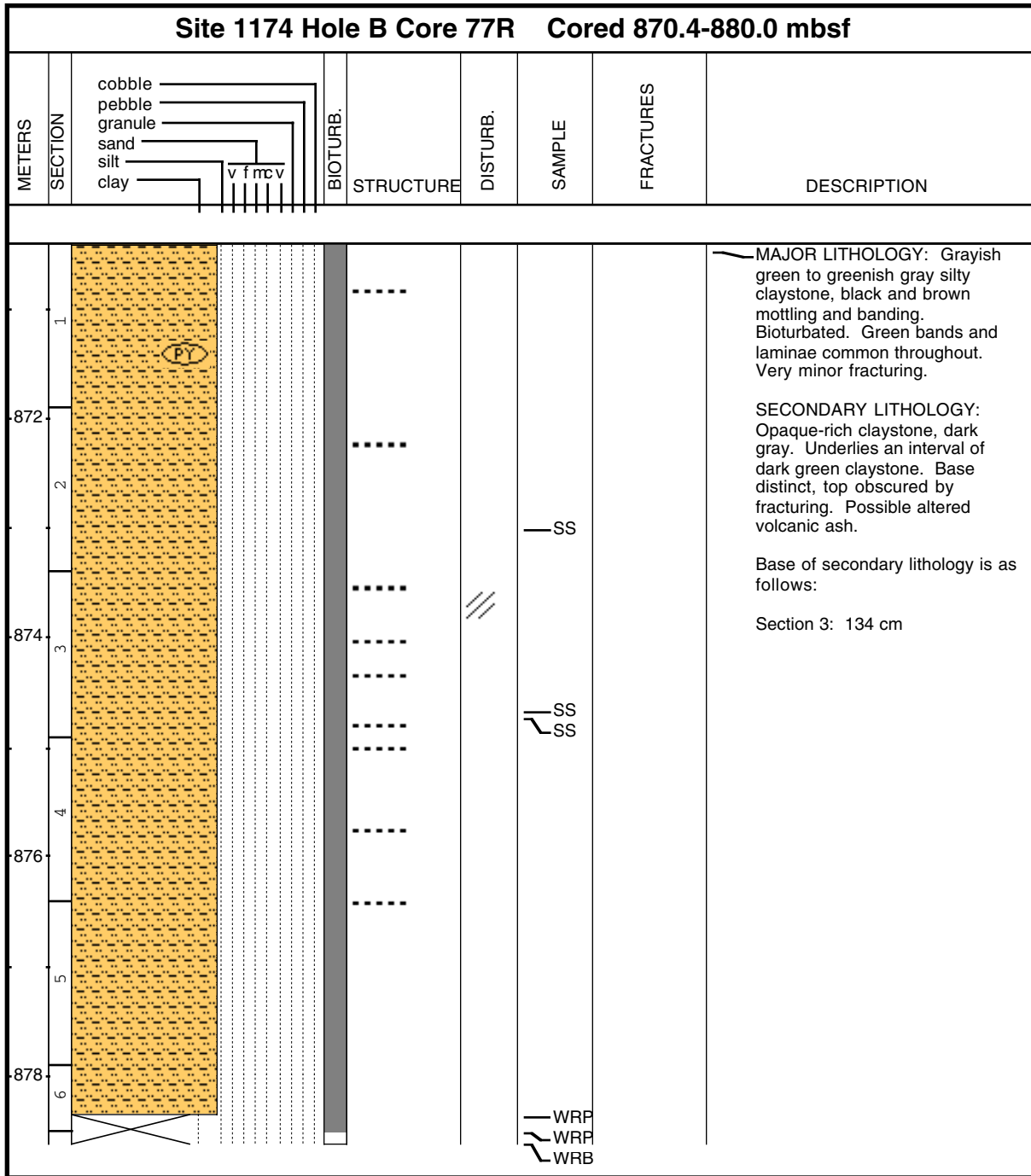
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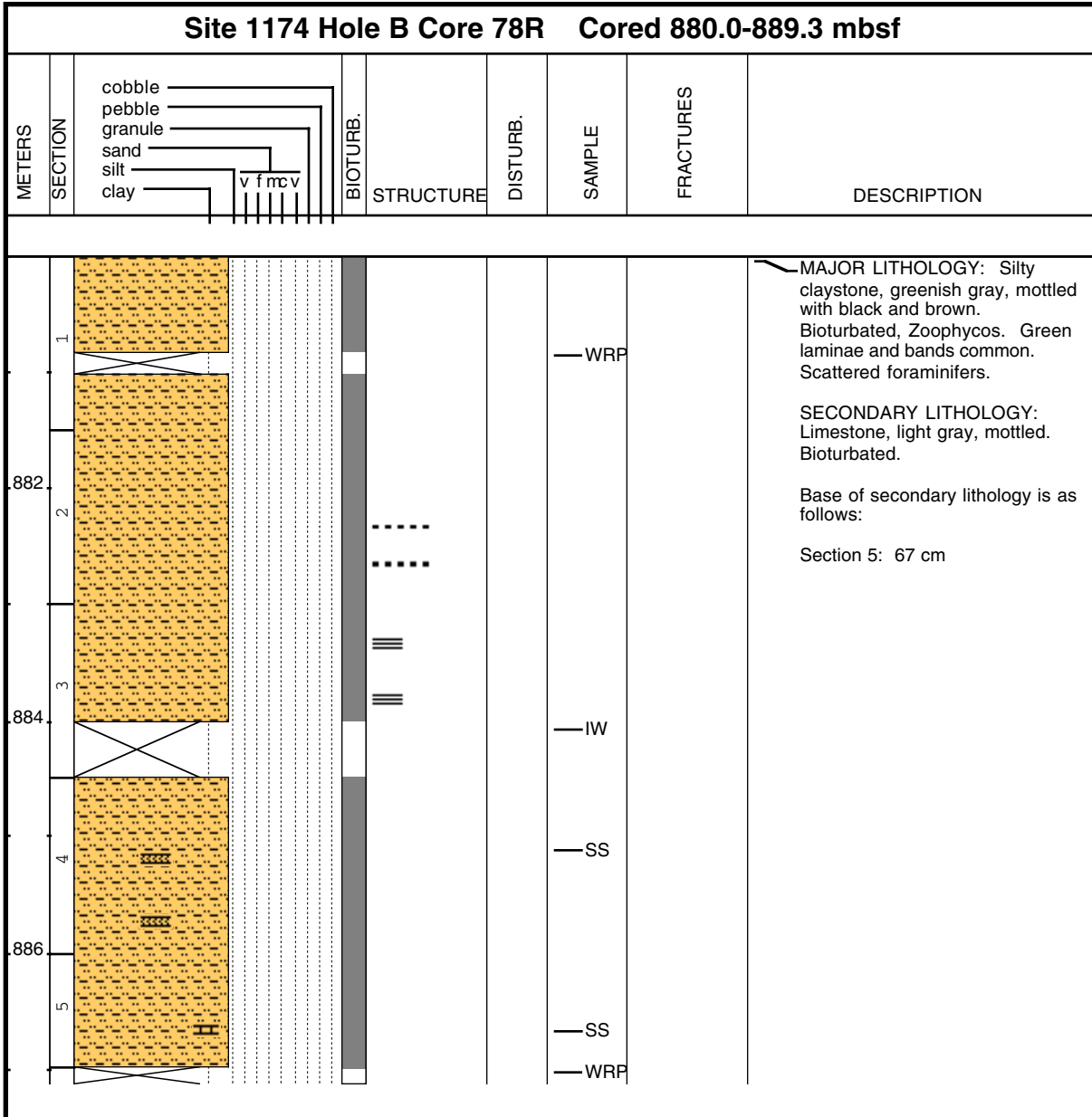
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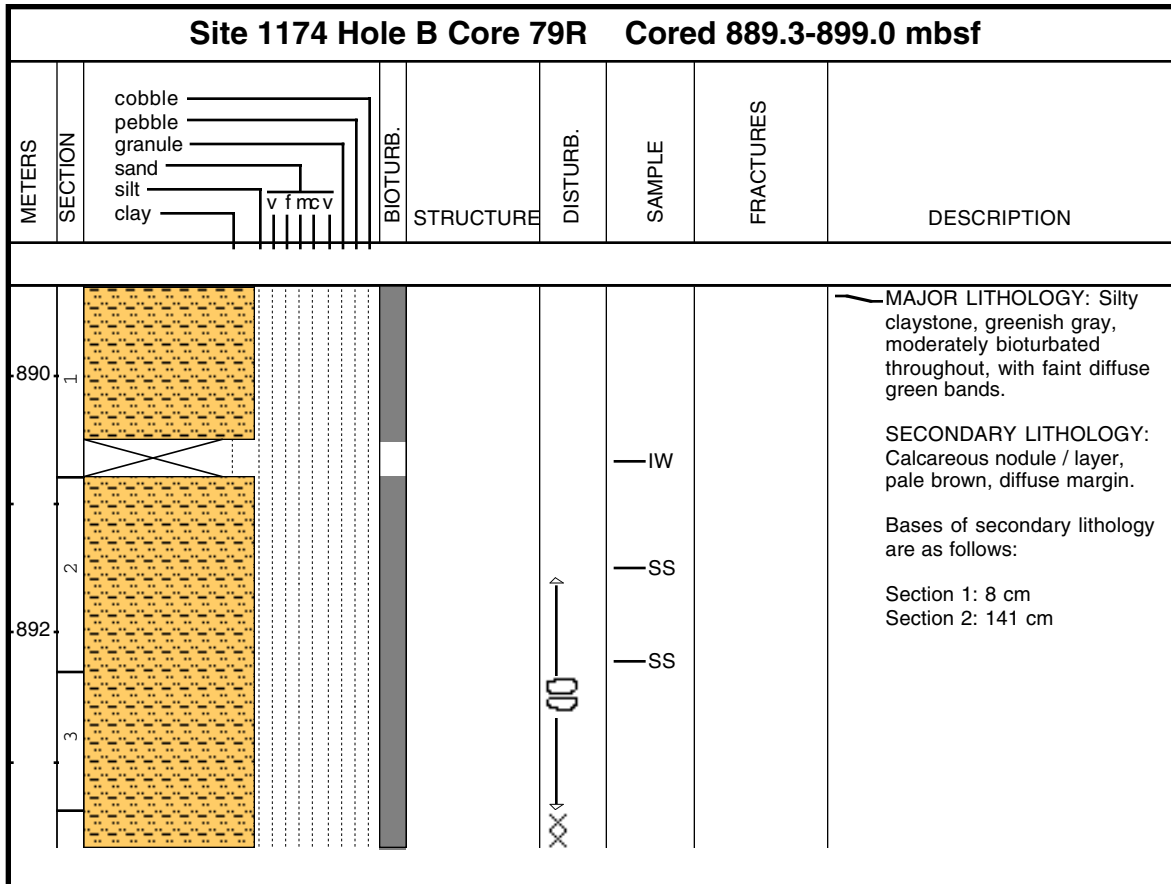
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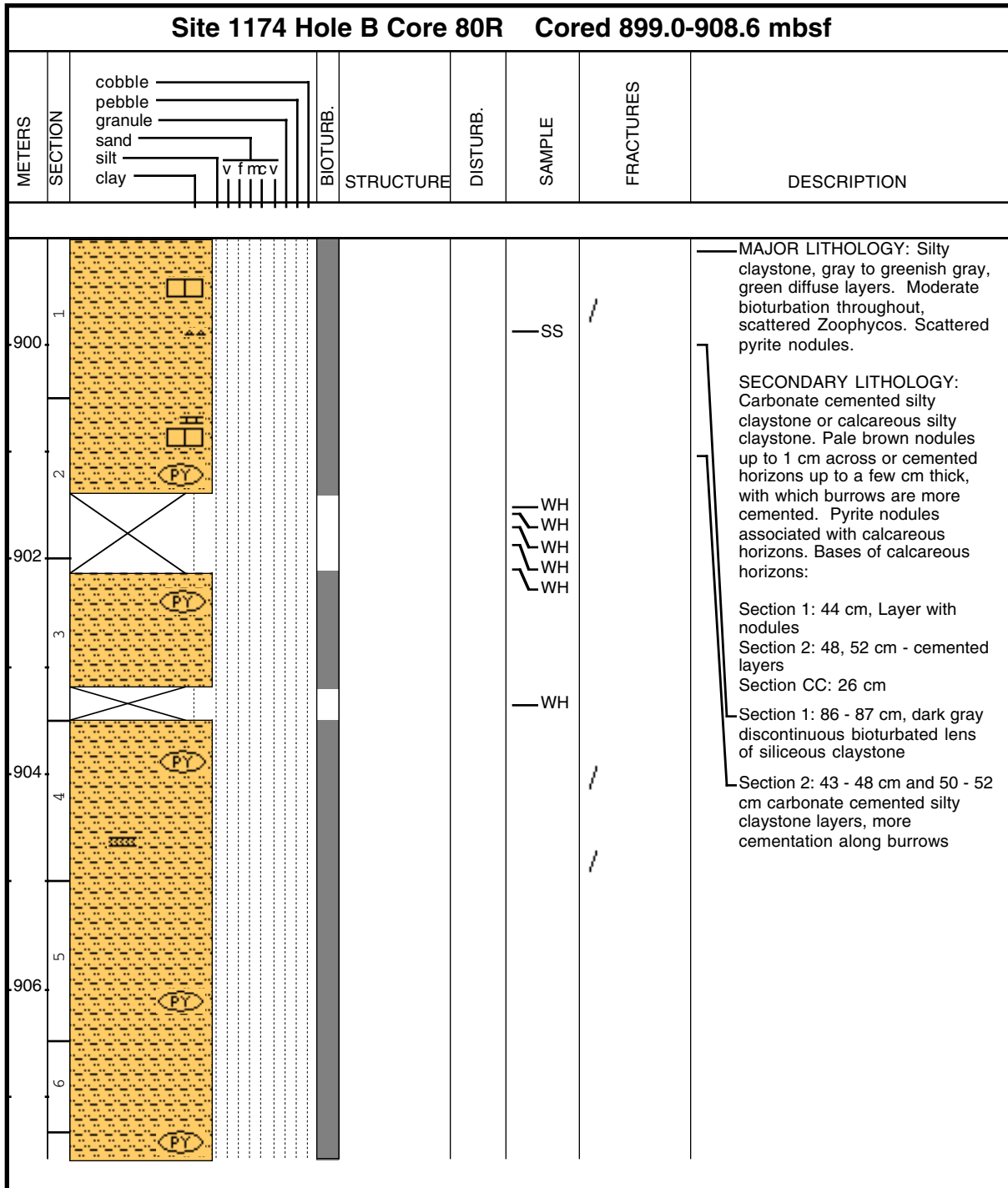
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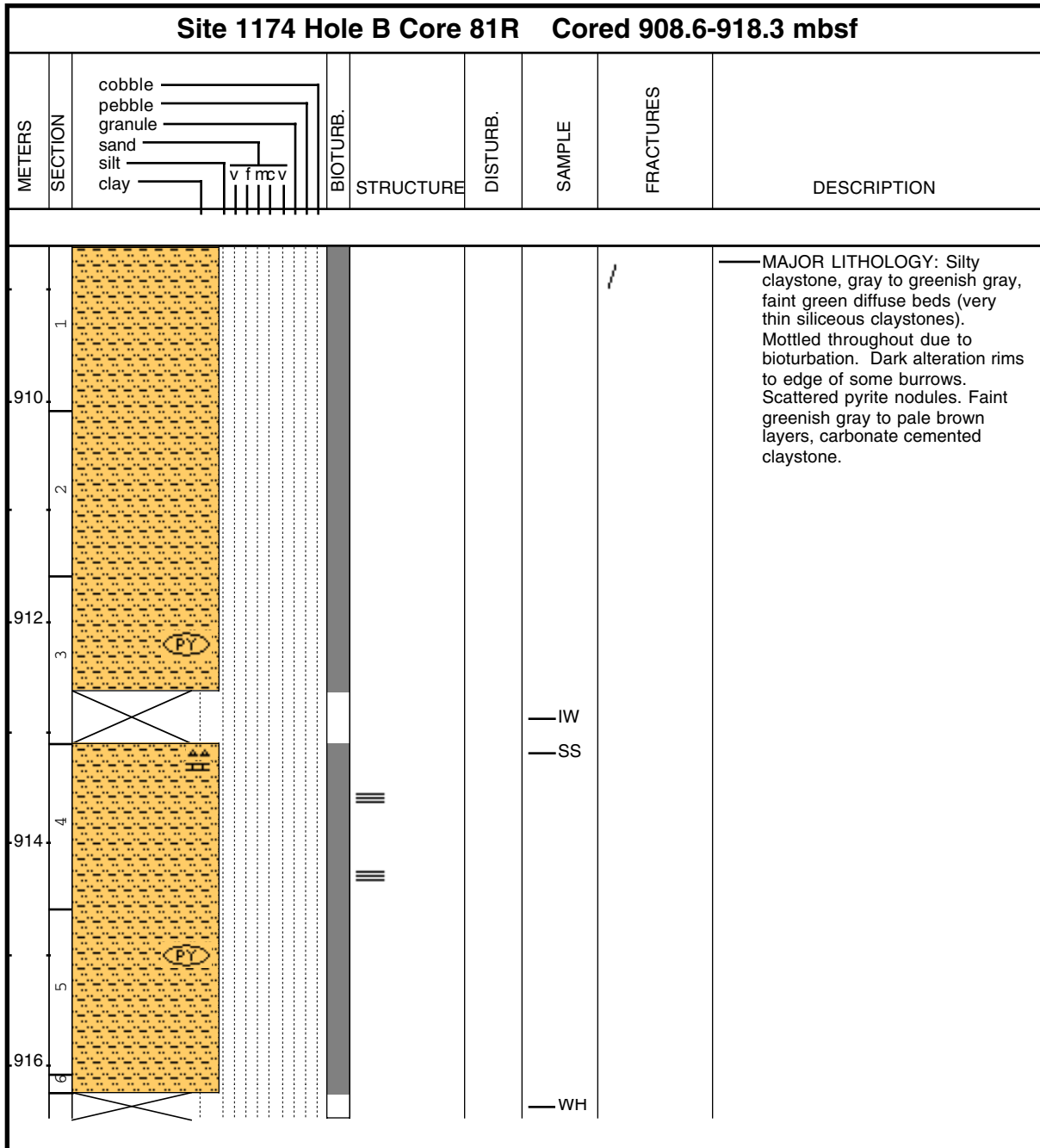
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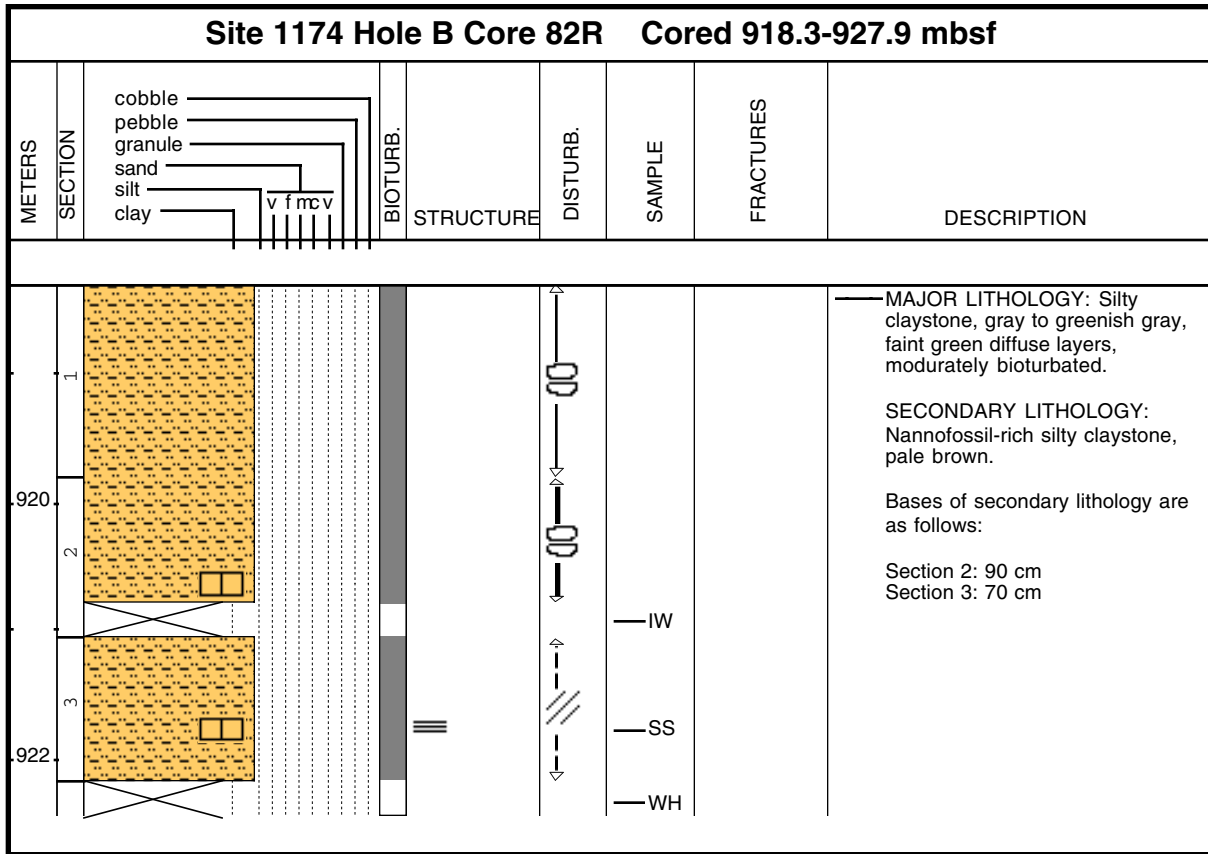
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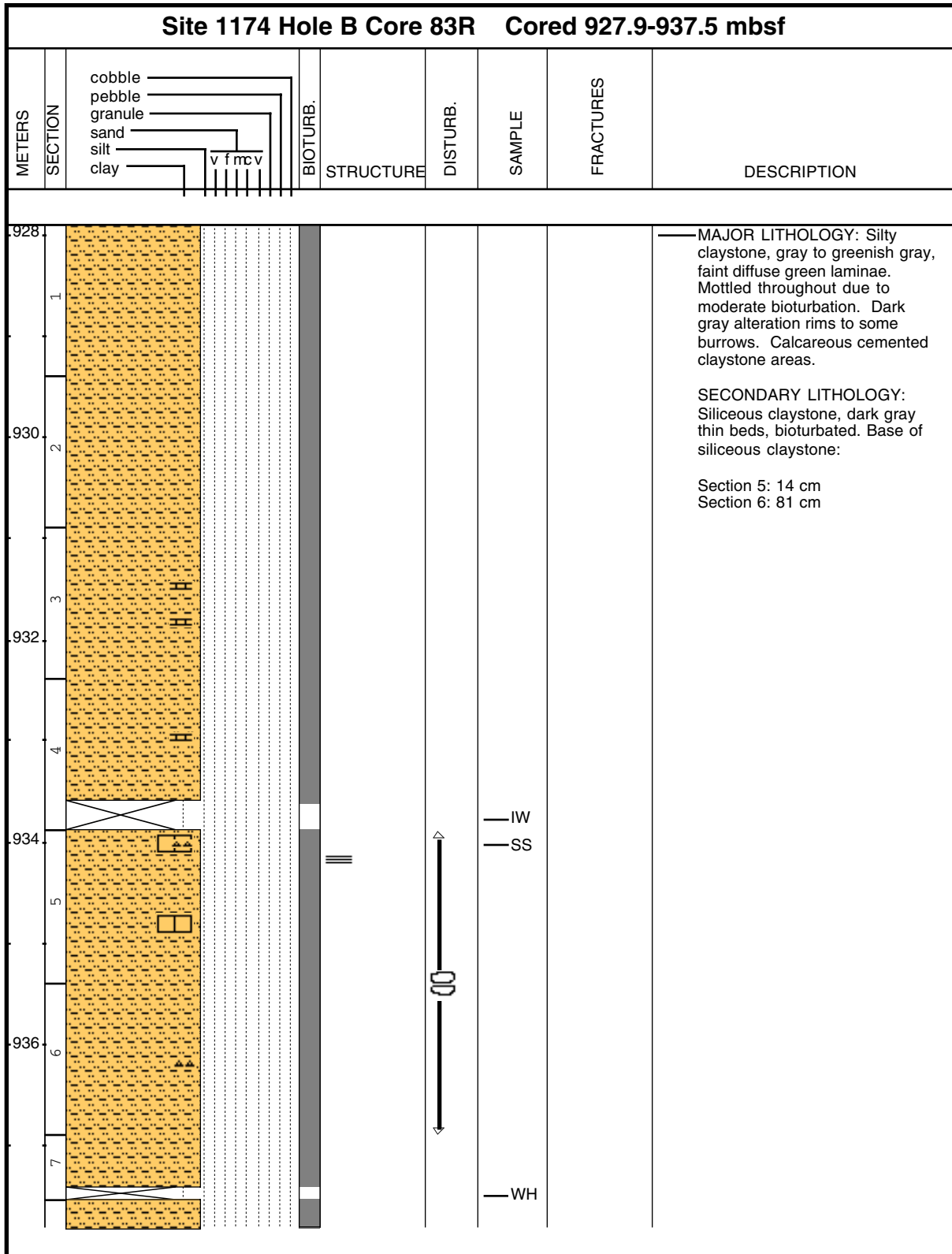
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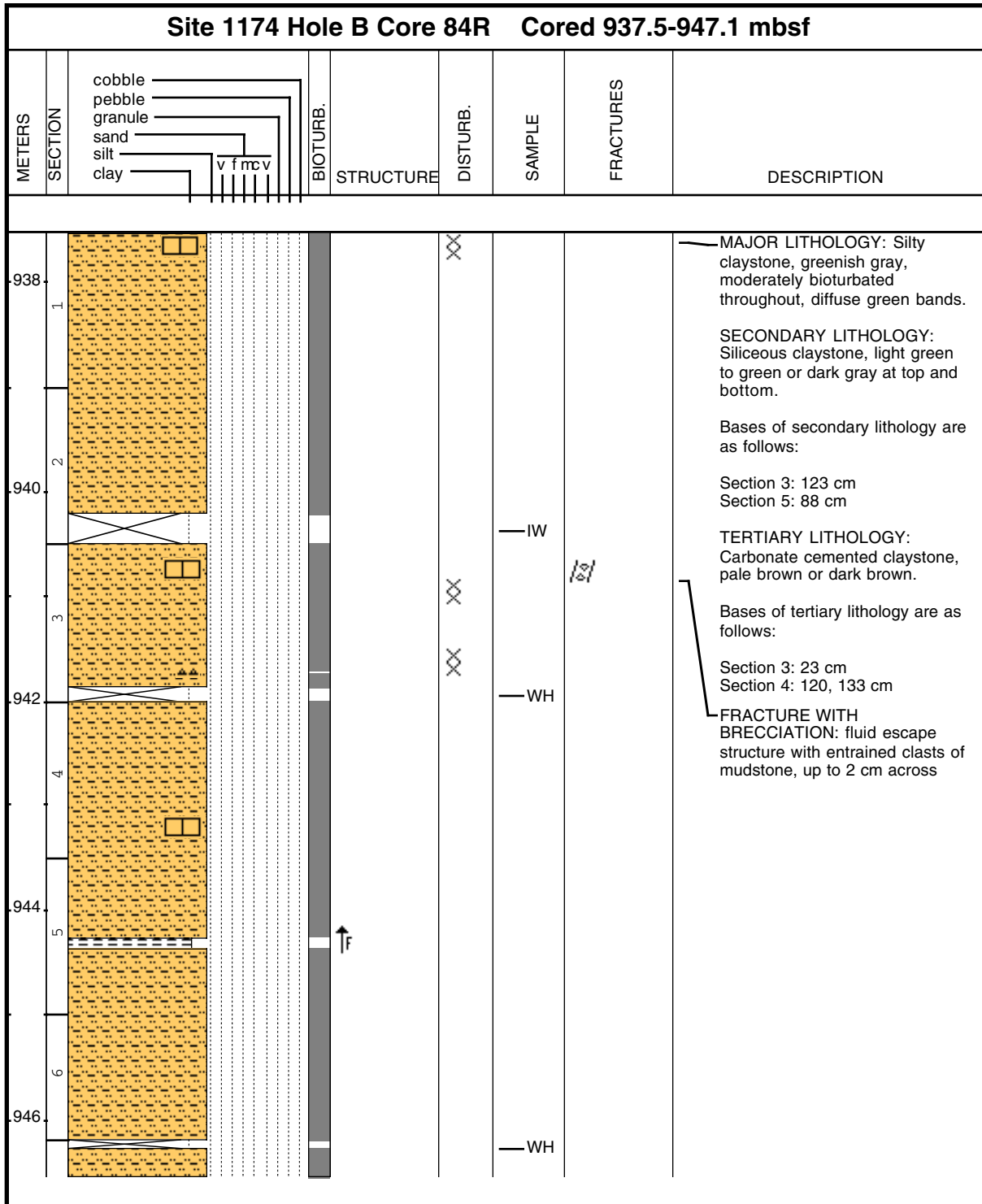
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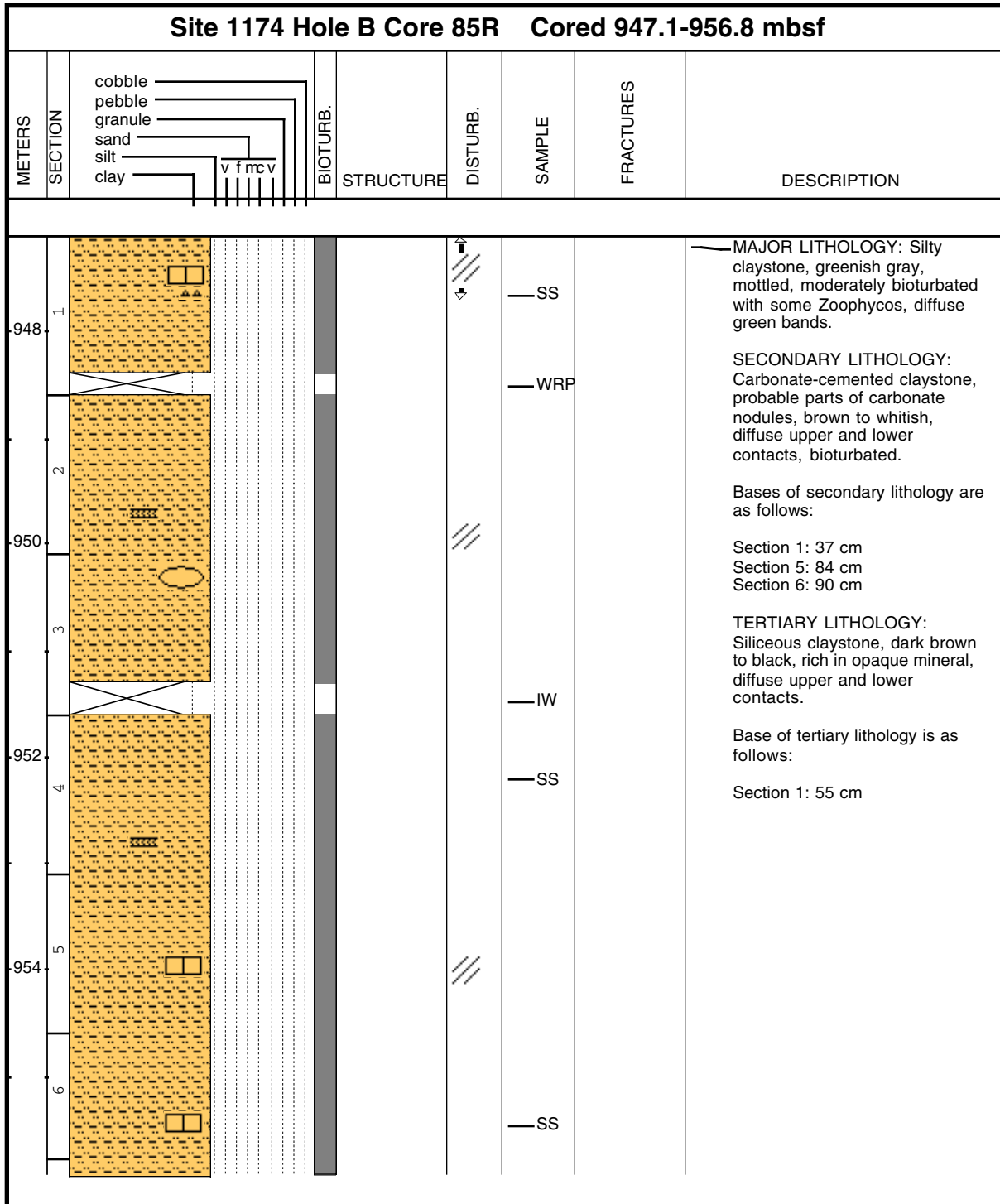
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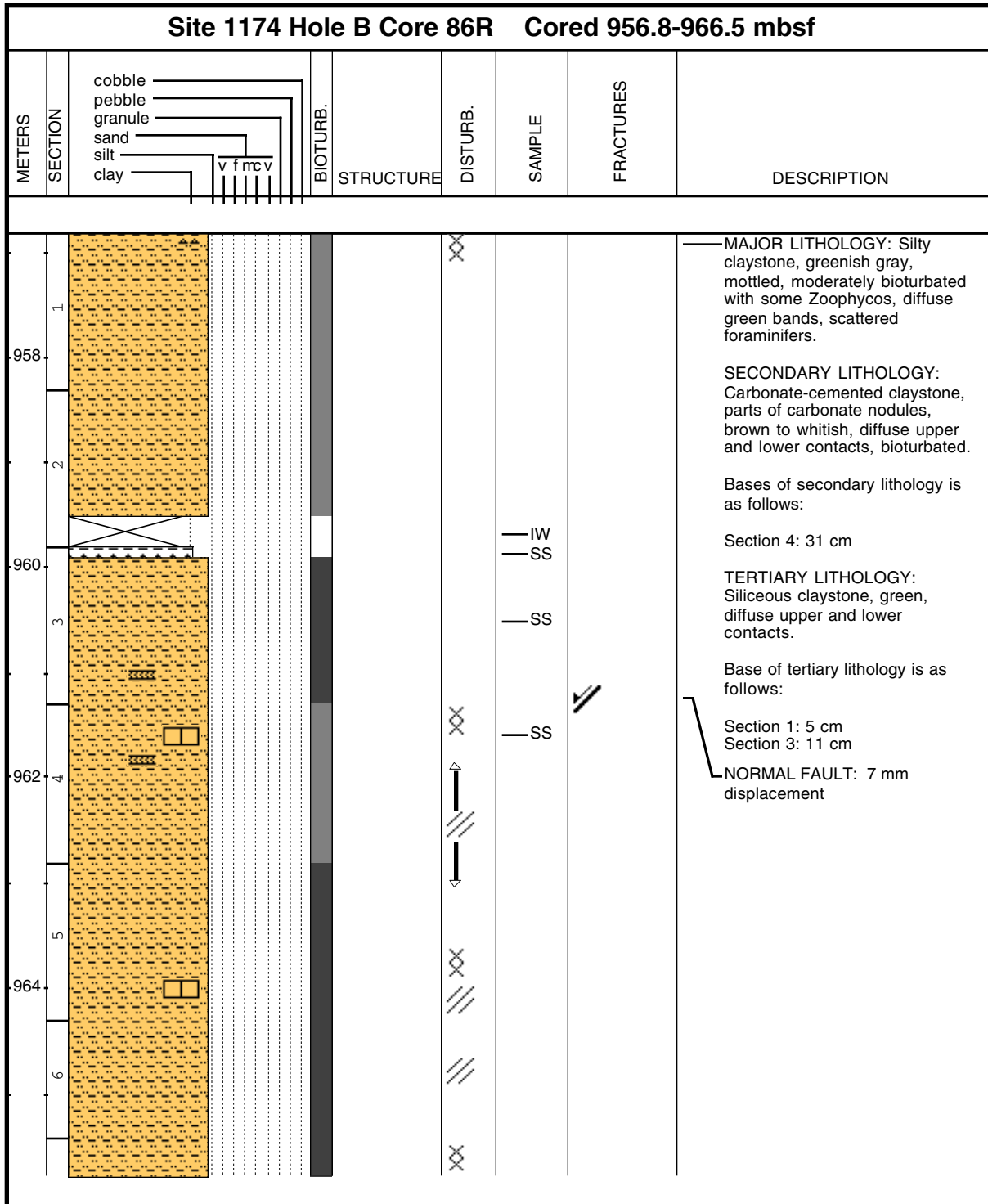
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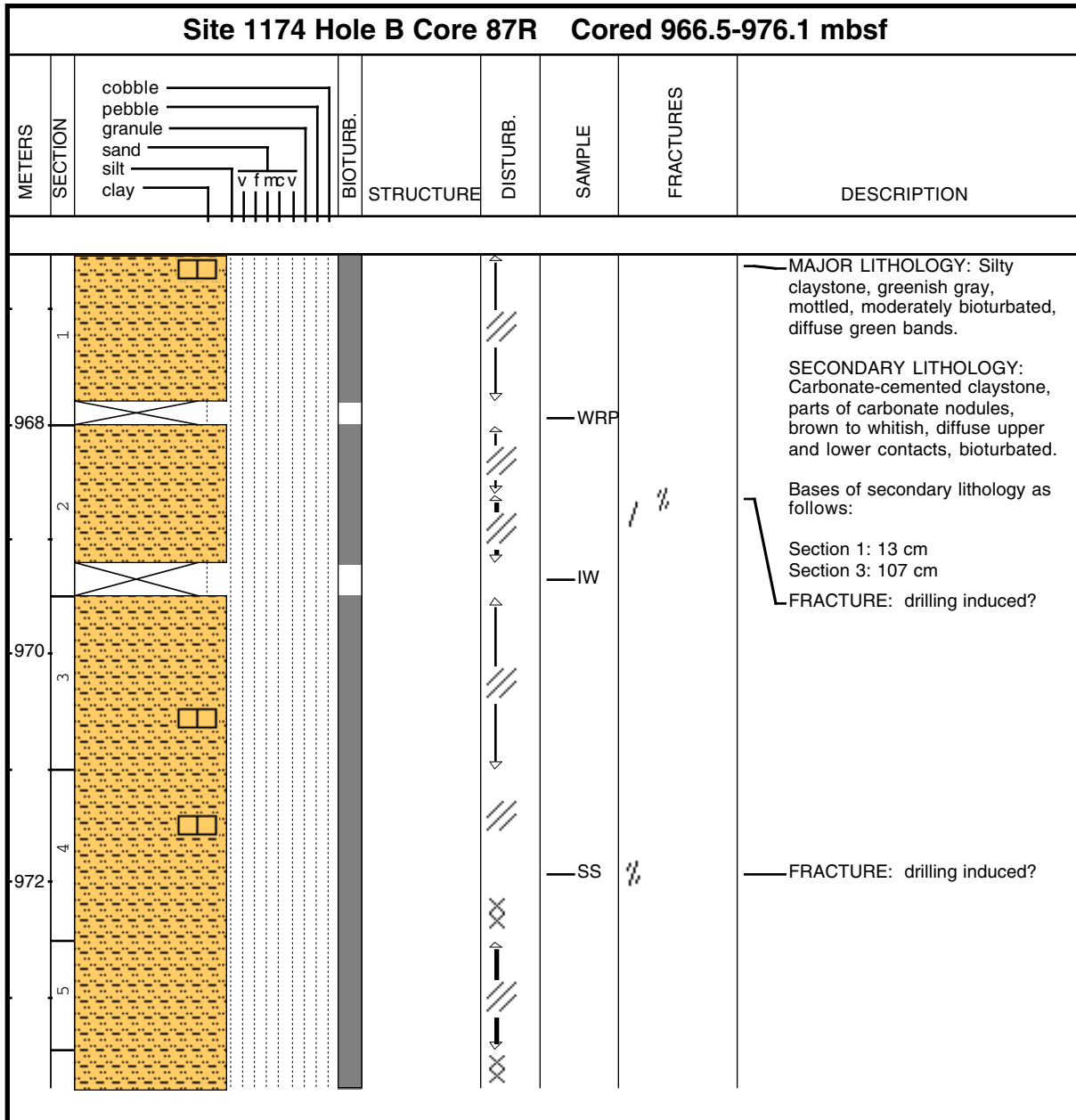
Core Photo



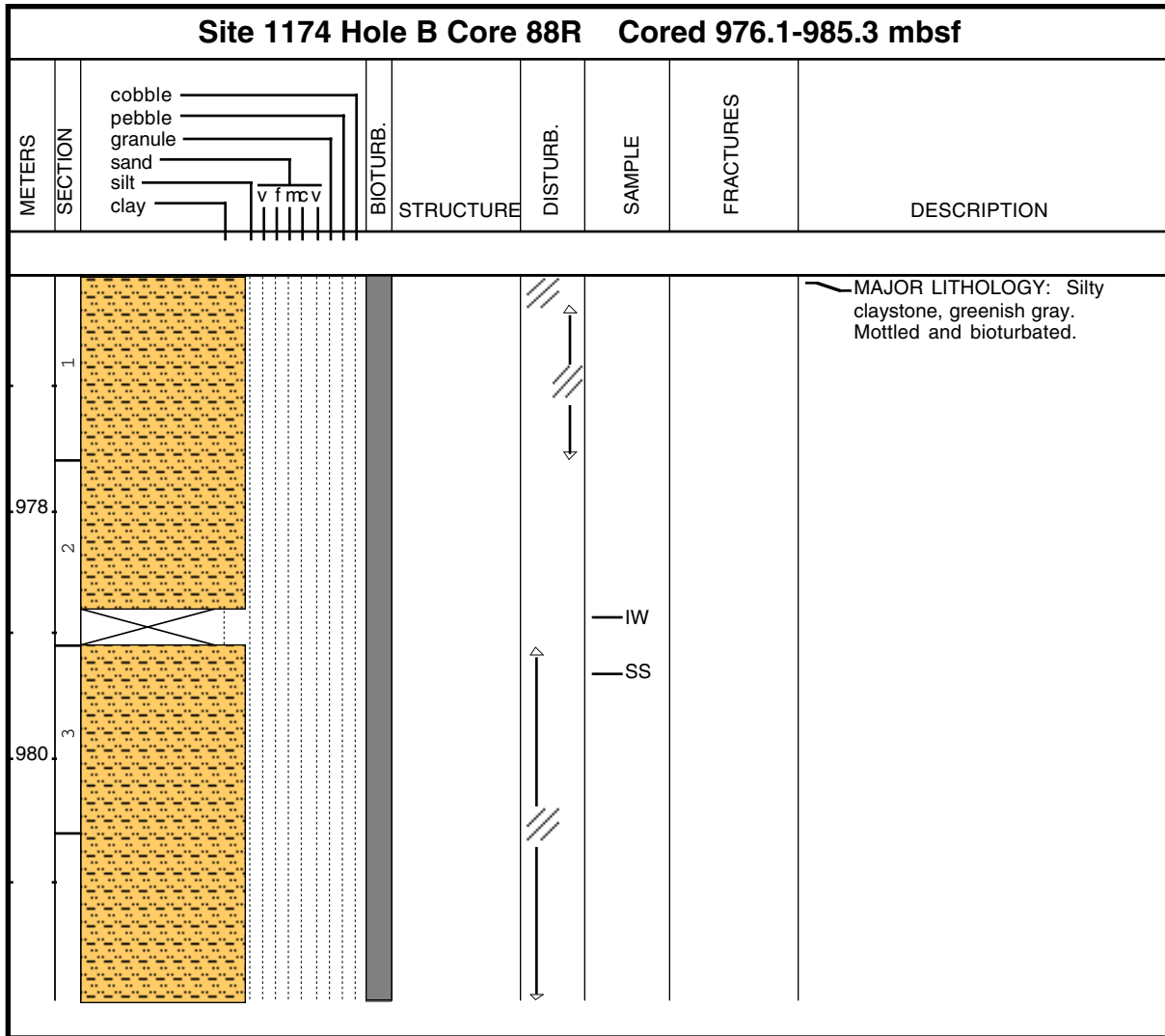
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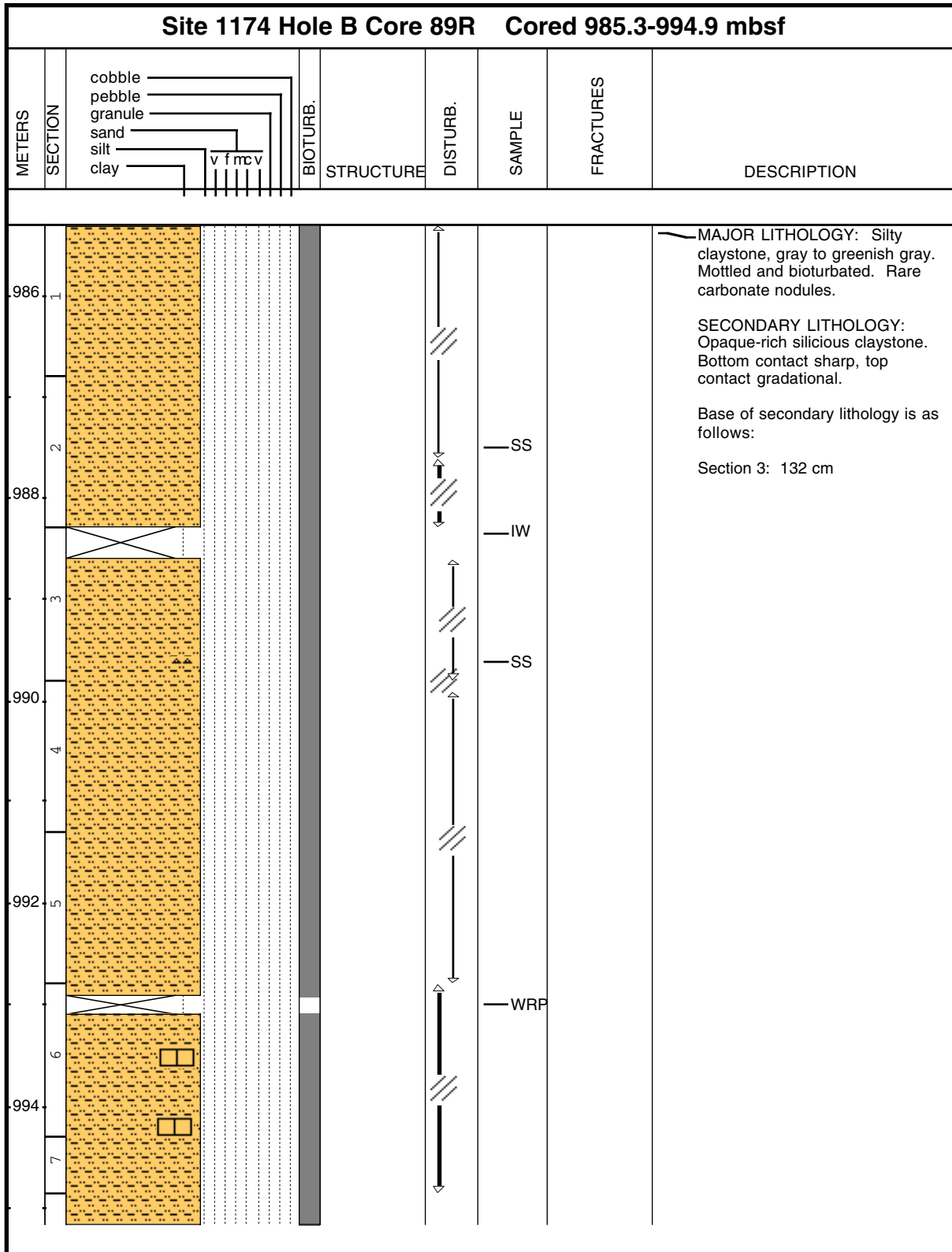
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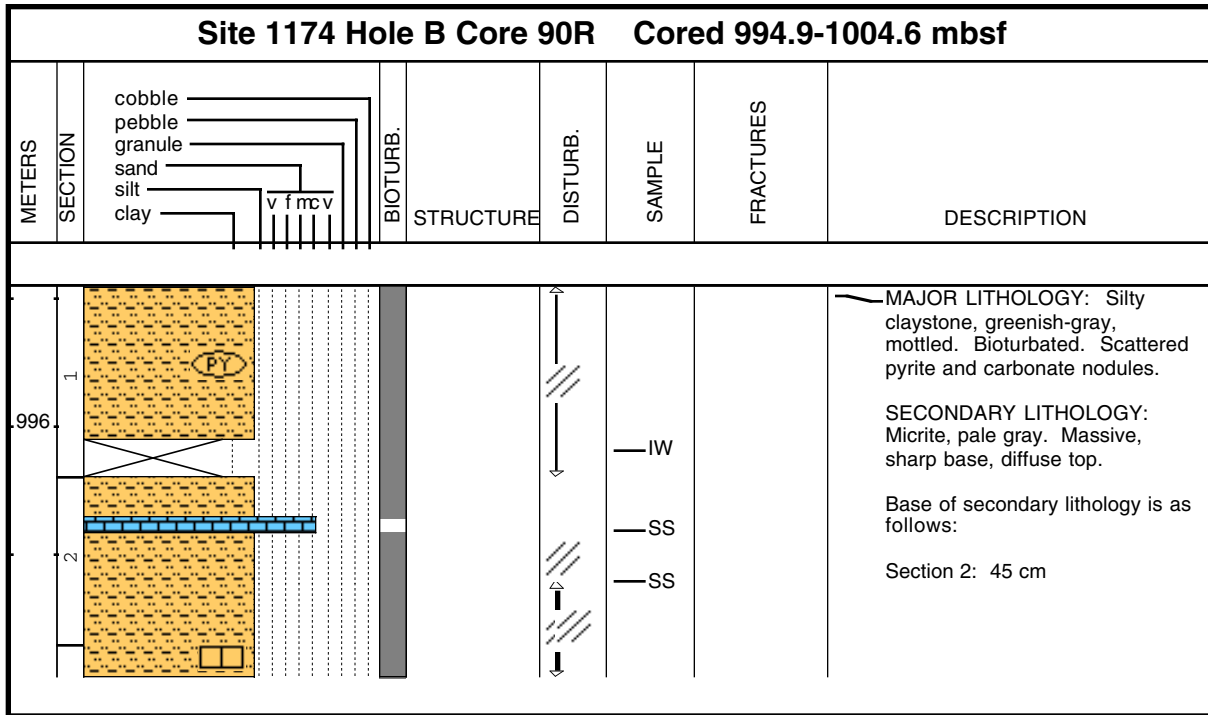
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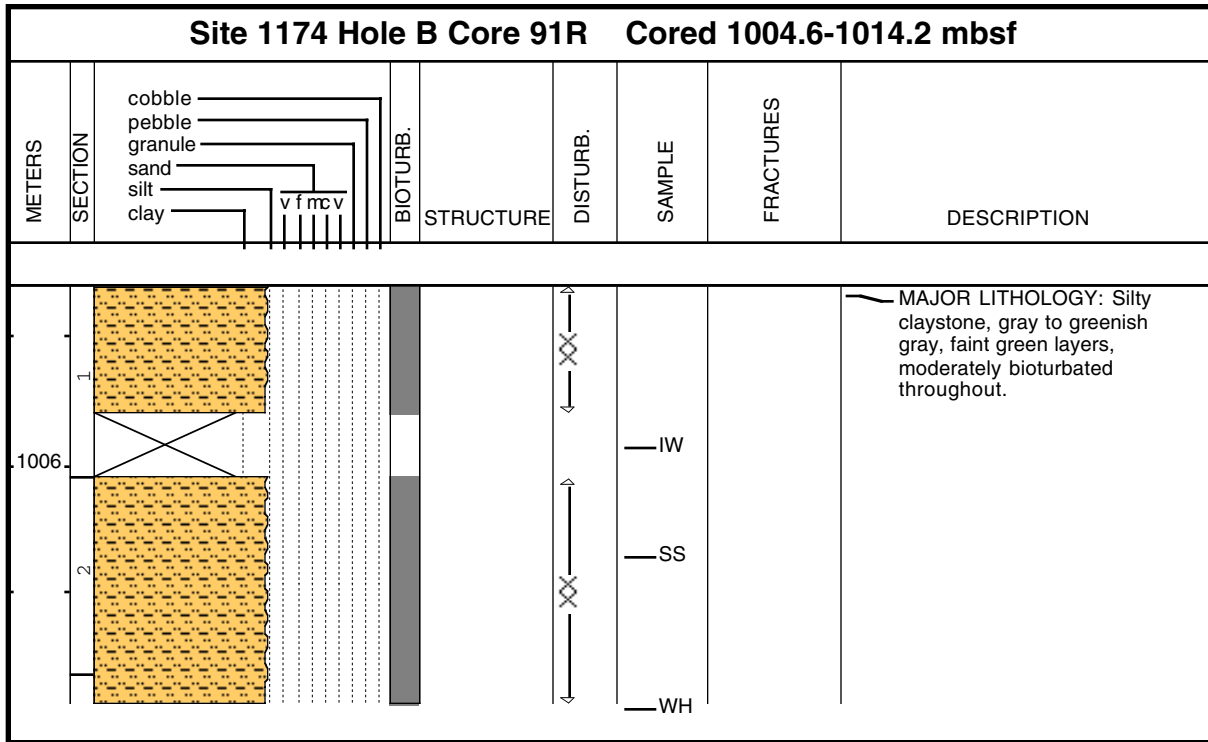
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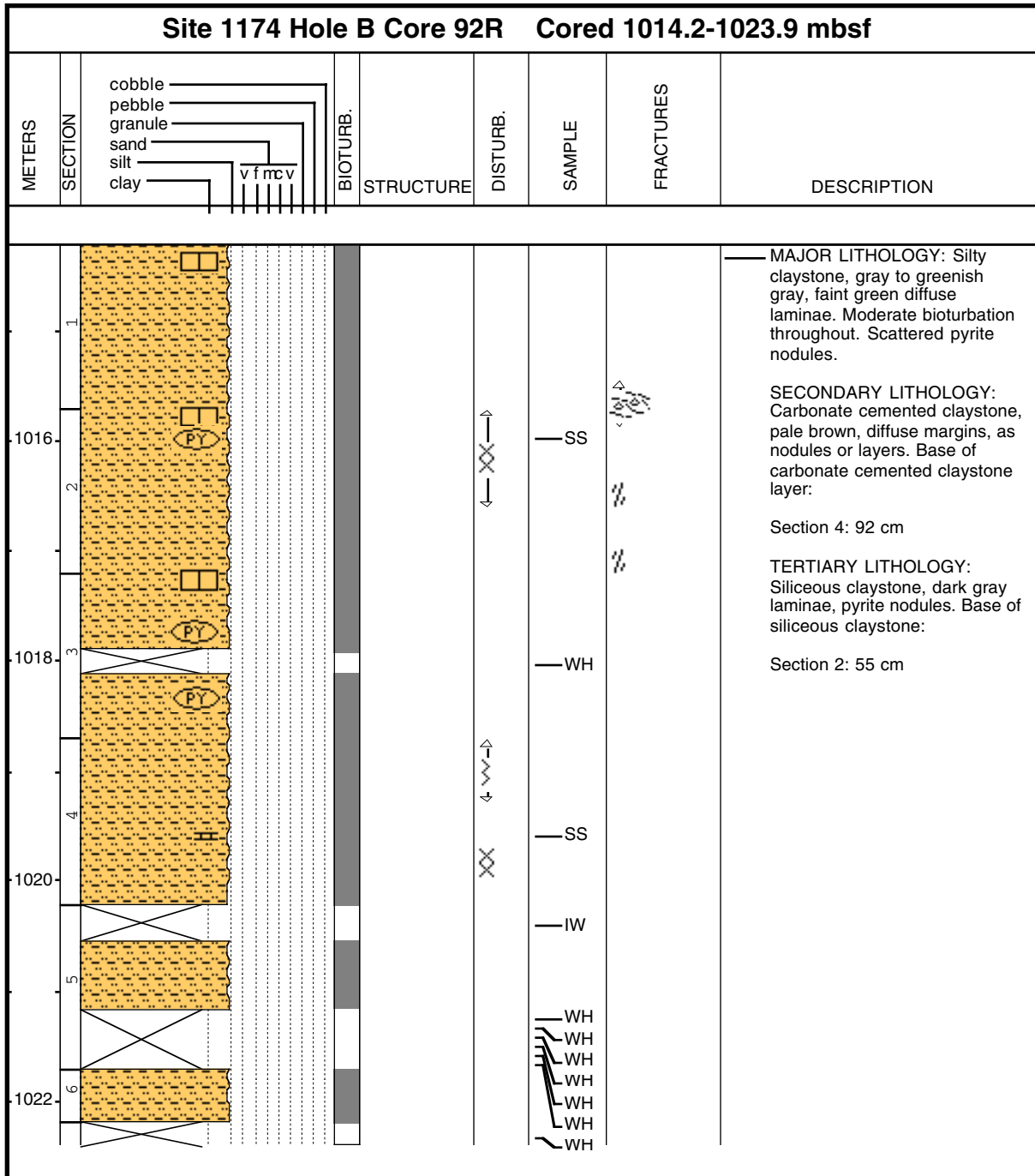
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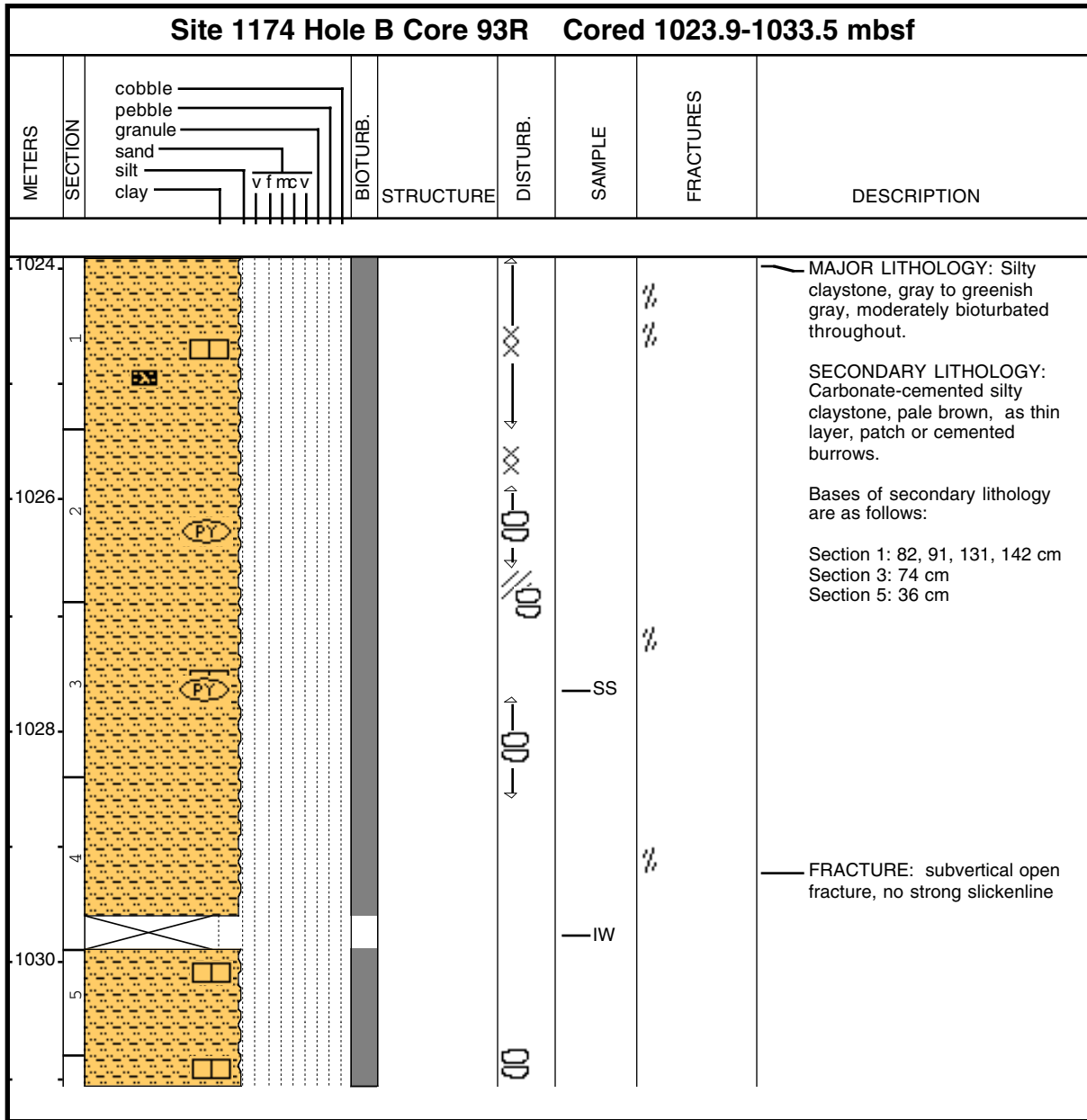
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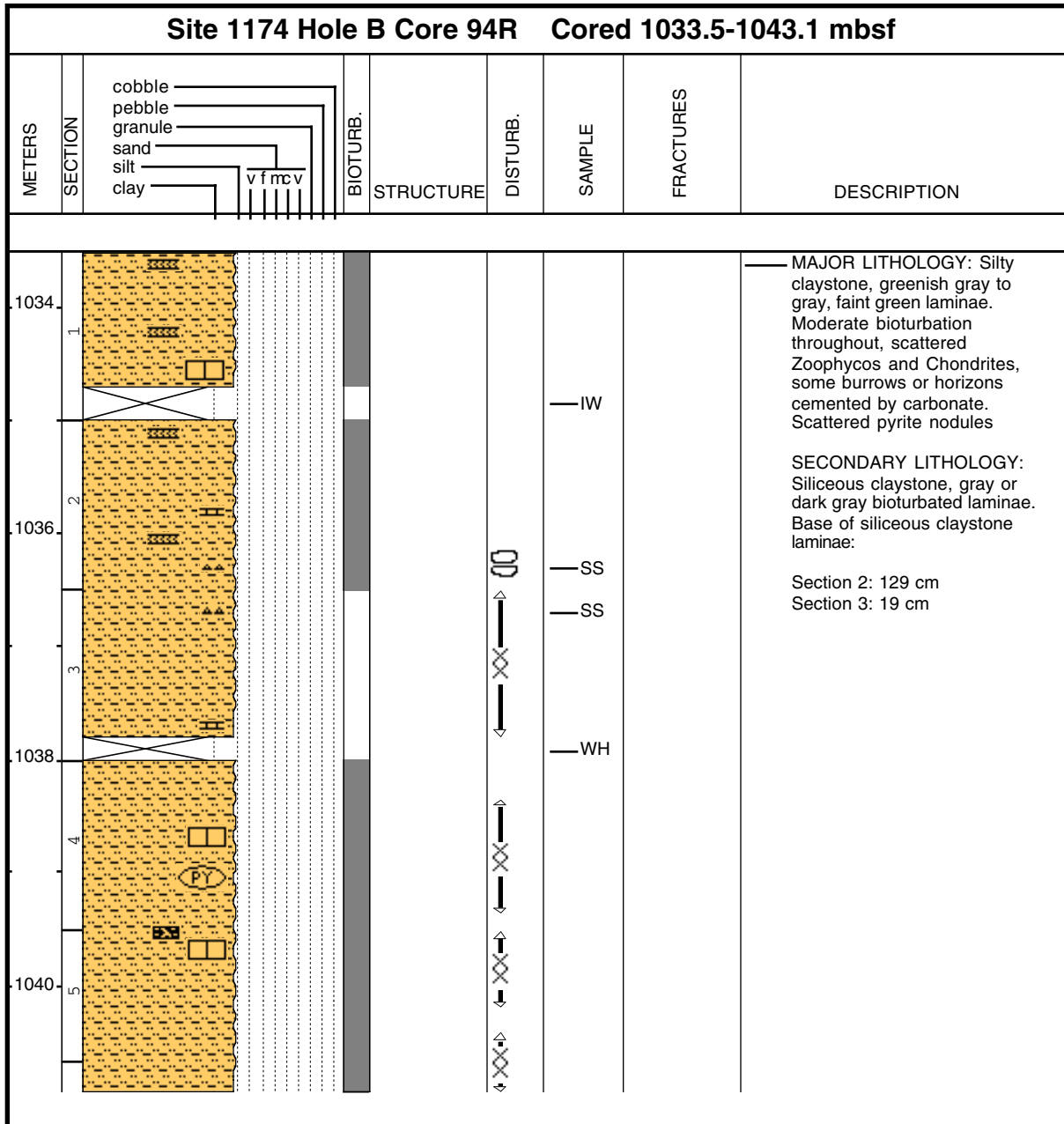
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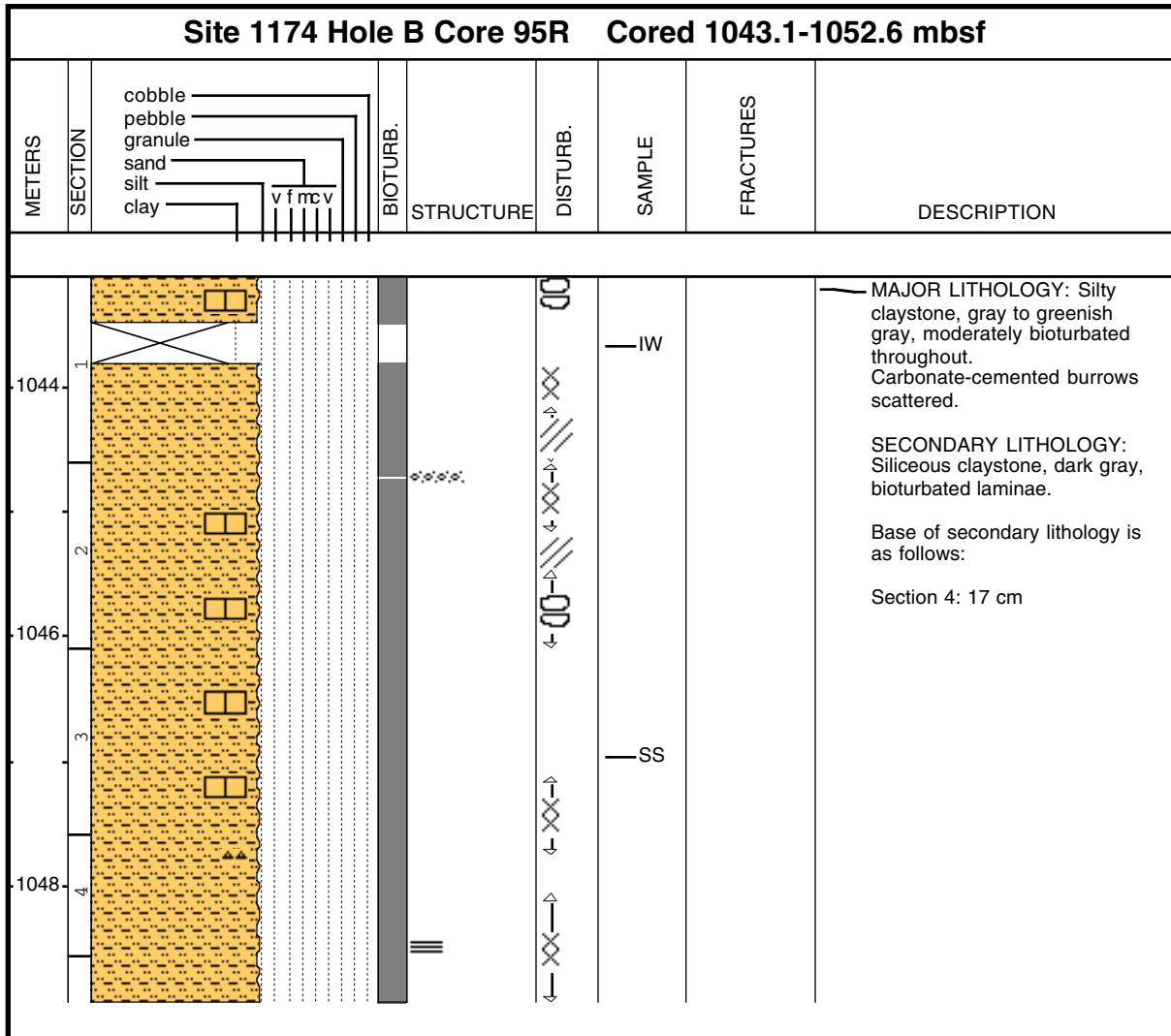
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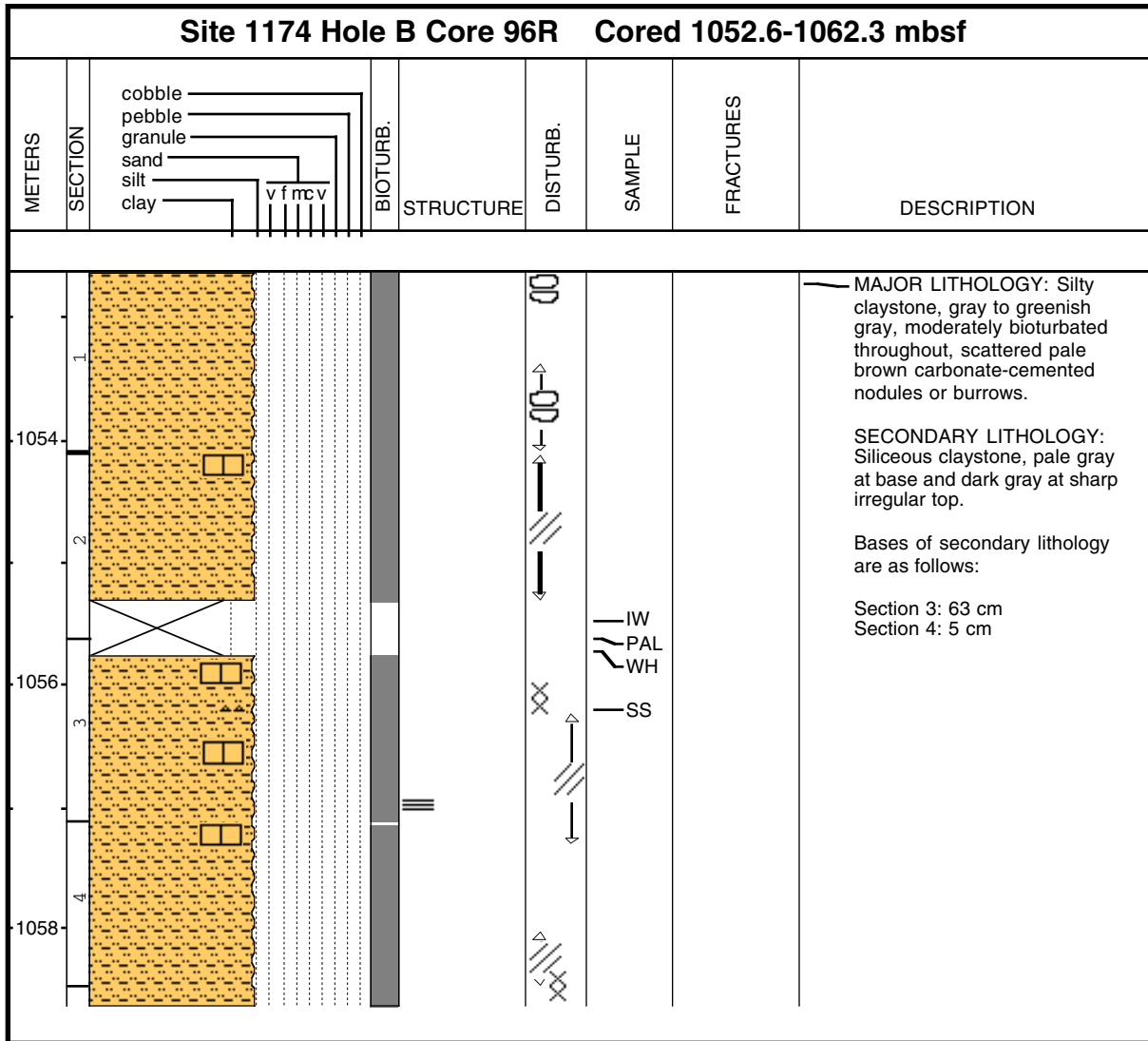
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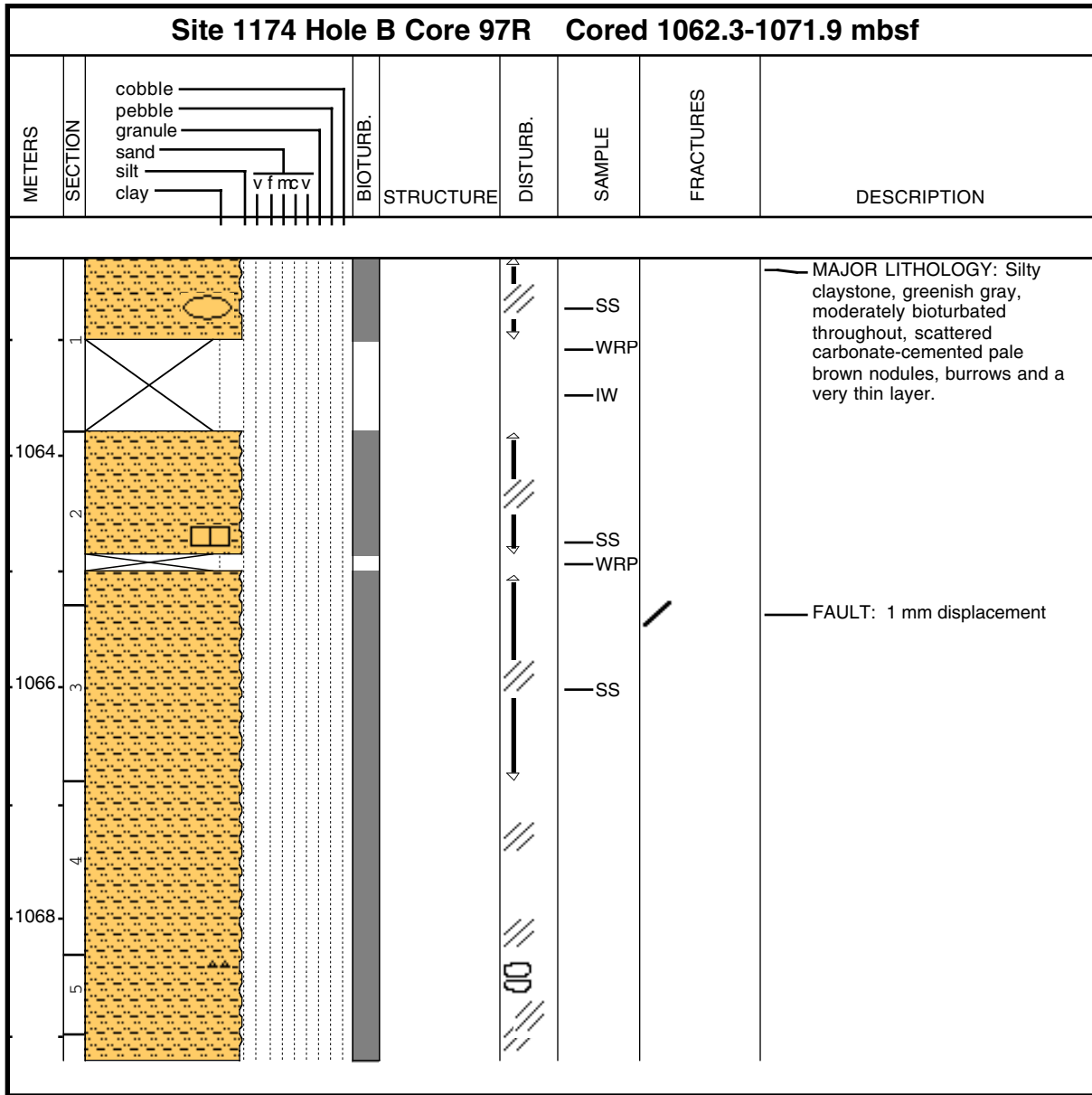
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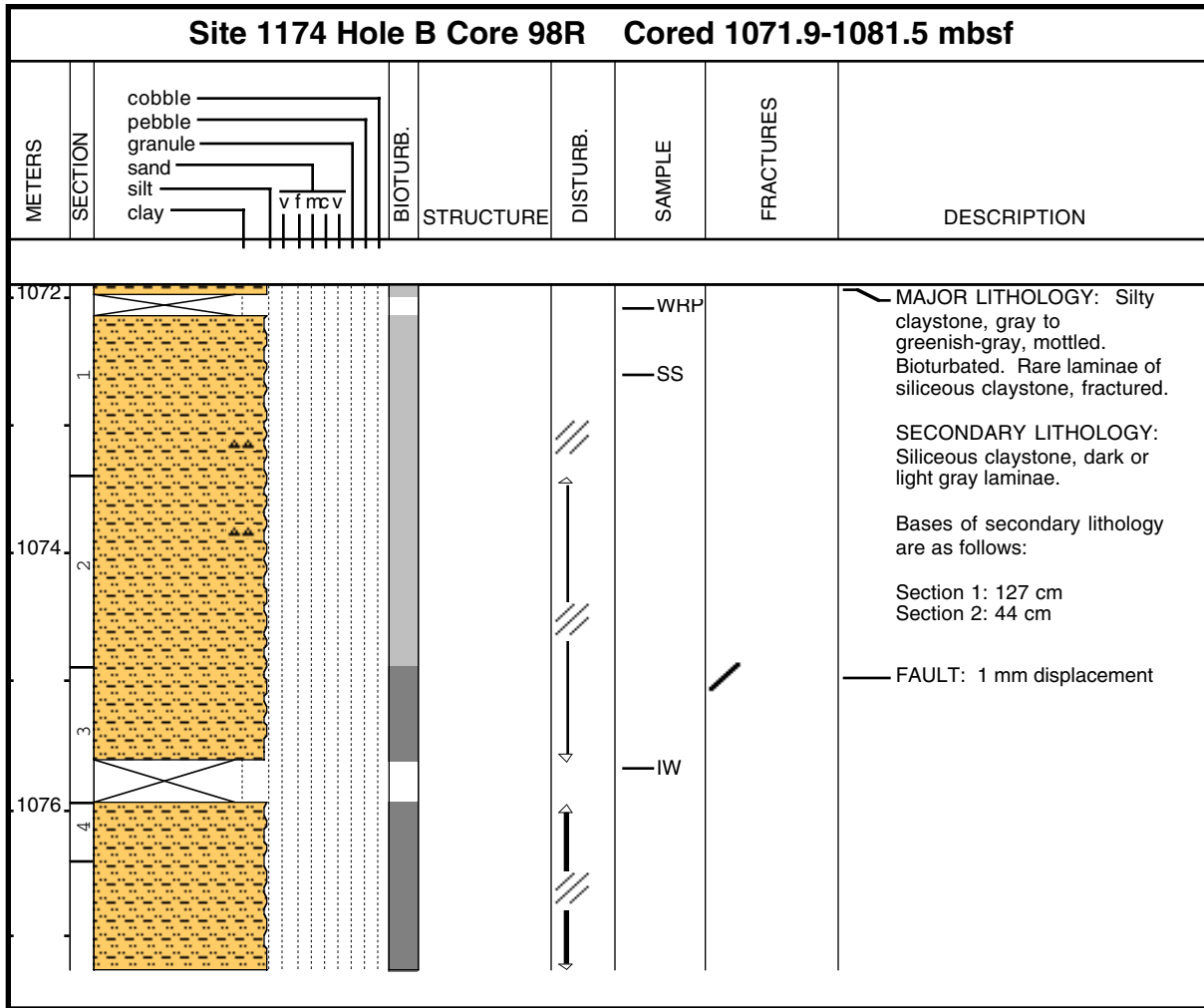
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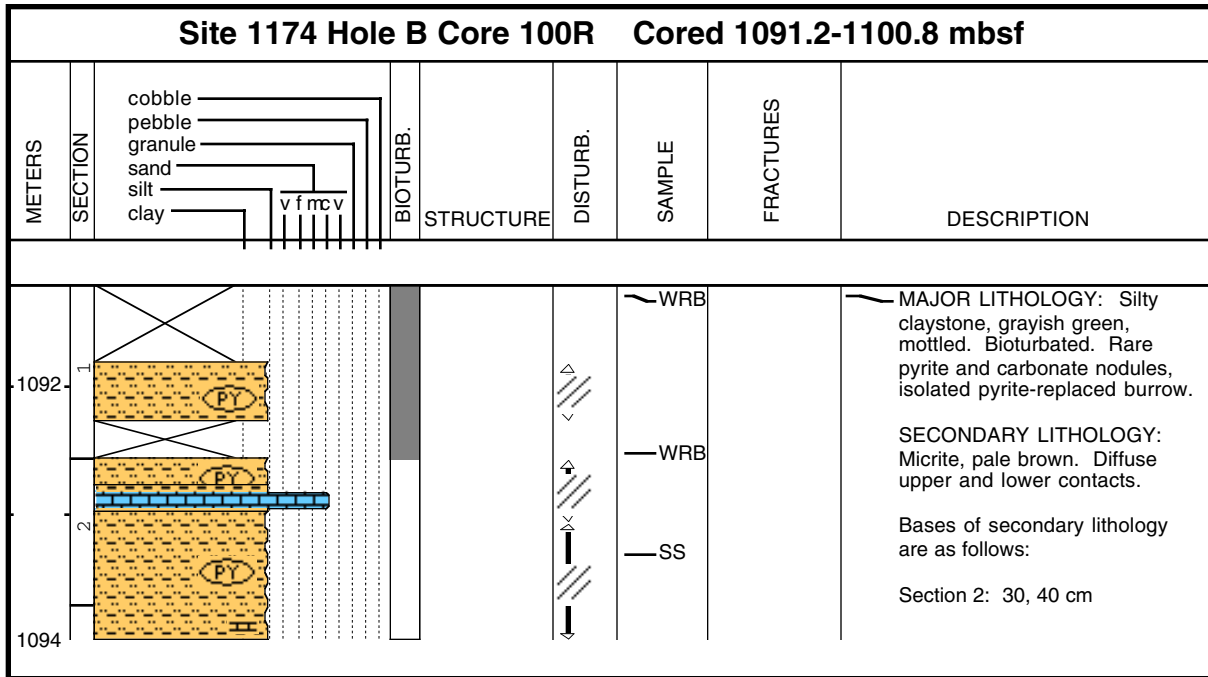
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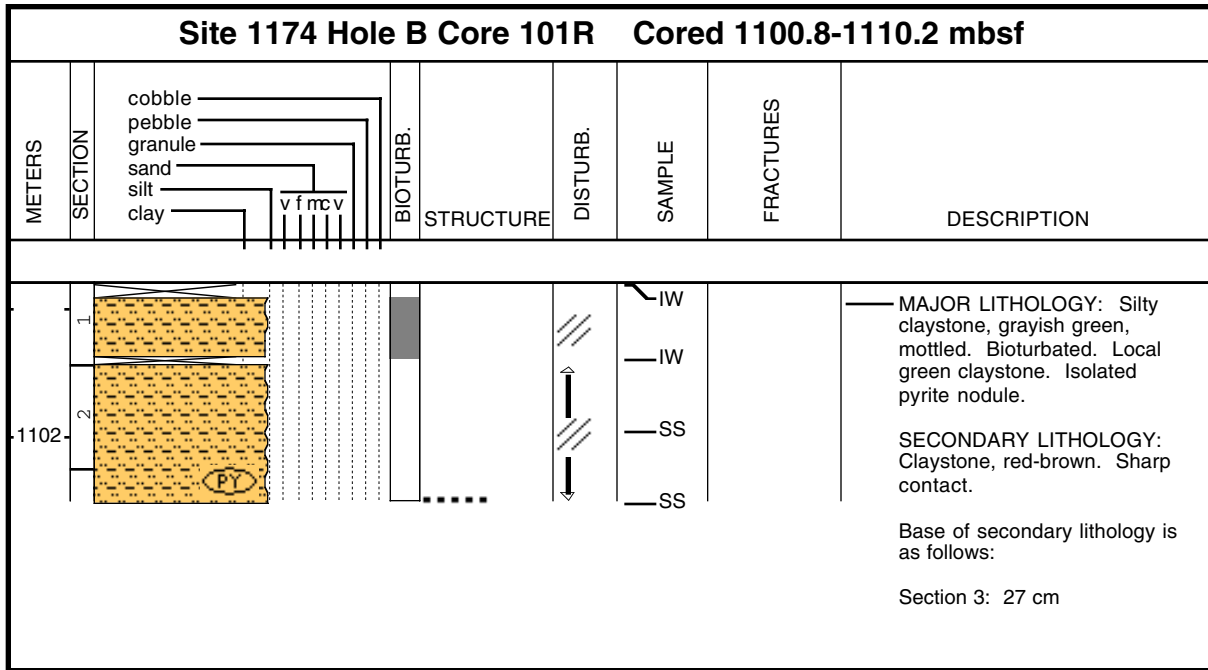
Core Photo

Site 1174 Hole B Core 99R Cored 1081.5-1091.2 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
		cobble pebble granule sand silt clay						
1082	1							MAJOR LITHOLOGY: Silty claystone, gray to greenish gray, mottled. Bioturbated. Scattered carbonate nodules.
1084	2					SS IW		

Core Photo



Core Photo



Core Photo

Site 1174 Hole B Core 102R Cored 1110.2-1119.8 mbsf								
METERS	SECTION		BIOTURB.	STRUCTURE	DISTURB.	SAMPLE	FRACTURES	DESCRIPTION
		cobble pebble granule sand silt clay						
	1					SS IW		MAJOR LITHOLOGY: Silty claystone, grayish green, mottled. Bioturbated. Isolated carbonate nodule. SECONDARY LITHOLOGY: Silty claystone, red-brown. Base of secondary lithology is as follows: Section 1: 7 cm

Sample	Texture						Mineral														Biogenic							Rock			Comments						
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Mica	Opaques	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments								
1174																																					
A	1	H	1	47	0.47	D	C	A	D				A	P		P	C	C		P	R		P	P						C				Clayey silt			
A	1	H	1	134	1.34	D	C	A	D	R			A	P			P	P	C	C	P	P	P	P	C				C				Clayey silt				
A	1	H	3	36	3.36	M	A	D	C							P	P	D	P			R	R											Volcanic ash (brown)			
A	1	H	CC	8	4.27	M	A	A	C				A	P		P	C	C	P	P	P	P	P		P		A						Sandy silt				
A	2	H	2	31	5	D	C	D	A	R			A	P		R	P	P		P	R	R			P	A							Silty clay				
A	2	H	2	49	5.18	M	D	A	C	P	R			P			C	P		P	R	P		R	P		A						Silty sand				
A	2	H	2	87	5.56	M	D	C	P			D	P				P		R	R		P			R		P						Carbonate sand				
A	2	H	2	124	5.93	M	D	A	A				C	P			C	P	R	P	P	P				A							Silty sand with wood				
A	2	H	3	31	6.5	D	C	D	A			P	A	P		C	P			P	R	P	R	P	P		P						Silty clay				
A	2	H	6	39	11.08	M	A	D	C				C	P		C	C	P		R	R				R		A						Sandy silt				
A	3	H	2	27	15.67	M	D	C	P	P	P		P	P		C	P	P		P	P	P						A					Silty sand				
A	3	H	5	90	20.24	D	C	A	D			R	A	P		C	P	P		P	R	P		P	P		A						Silty clay				
A	4	H	1	94	24.34	M	D	A	C		R	R		P		P	C	P		P	R	P		P	P	A							Silty sand				
A	4	H	2	42	25.32	D		A	D		R	P	D	R			P	R		P	R	C		R	P								Silty clay				
A	4	H	4	100	28.9	M	D	C		P				P		P	P	A	R	R	R	R	R				A						Sand (rich in glass)				
A	5	H	2	86	35.26	M		A	D				A	P		P	P	P		P	R	P			P		C						Silty clay				
A	5	H	3	34	36.24	M	D	A	C	R	P		P	P		C	P	C		P	P	P		P	P	A		P					Silty sand				
A	7	H	1	83	52.73	M		A	D				A	P		P	P			P	R	C	P	P	P		P						Silty sand				
A	7	H	4	50	55.27	D	D	P	P				R				C						P				D	P					Sand				
A	8	H	CC	15	67.58	D	D	P	P				R	P		P	P					R					D	P					Sand				
B	1	R	1	70	144.4	D	P	A	A	P		P	A	P		R	P	P		P	P	P	P		P		P						Silty clay				
B	1	R	6	90	149.53	M	D	C	C	P			C	C		C	C	C									A						Silty sand				
B	2	R	1	20	150.3	D	C	A	D			P	A	P		P	C	P		P		C	P		C		P						Silty clay / clayey silt				
B	3	R	1	44	160.14	D	C	C	D				D			P	P	P		P	P		P				P						Silty clay				
B	4	R	2	30	171.2	D	C	C	D			P	D				P	C		P		P	P	P	P		C						Silty clay				
B	5	R	1	79	179.79	D		A	D				D			P	C	C		P		P	P	P	P		C						Silty clay				
B	5	R	1	120	180.2	M	C	C	D				A			P	C	C		P		P		P	P		C						Sandy clay				
B	6	R	2	24	190.44	D		A	D			C	D			R	R	R					P		R		R							Silty clay			
B	6	R	CC	16	191.07	M		A	D			D					P	P						*										Carbonate cement			
B	7	R	1	72	199.12	D		A	D				D	P		P	P	P		R		P			P		P							Silty clay			
B	8	R	1	31	208.31	D	C	A	A				A	P		P	C	P					R				A							Silty clay			
B	9	R	1	93	218.63	M	C	D	A				A	A		P	C	P				P			P		P							Silt			
B	9	R	1	95	218.65	M	C	D	A				A	A		P	C	P				P			P		P							Silt			
B	9	R	2	9	219.29	M	D	A	A				A	C			A	C	P	P		P			P									Sand			
B	10	R	1	14	227.34	D		D	A				D	P			P	A		R					R									Silty claystone			
B	11	R	1	33	237.13	M	C	D	A				A	P		P	C	C				P	P			P		C					Siltstone				
B	11	R	1	115	237.95	D		A	D				A	P			C	C				P	P			P		P					Silty claystone				
B	12	R	1	5	246.55	M	C	D	A				A	C		P	C	C	R	R	R	R			R		C						Sandy siltstone				
B	12	R	1	70	247.2	D		A	D				D	C			P	P					R			P		P					Silty claystone				
B	12	R	1	114	247.64	M	C	D	A				A	P			P	C	R	P		P			P		P						Siltstone				
B	13	R	1	30	256.5	D	C	A	A				D	P		P	C	C		P		C	P	P	P		P						Silty clay				
B	13	R	1	127	257.47	M	D	A	C				C			C	P	C		P				P	P	P		A					Sand				
B	13	R	1	137	257.57	D	D	A								P	P	D	P								P						Volcanic ash (pale grey)				
B	14	R	1	10	265.9	D	P	A	A				A			P	C	C	C	P		P	P										Silty 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	Mica	Opalues	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians		Silicoflagellates	Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments	
1174																															
B 15	R	2	5	277.05	M			D	A				A			P		C		A						P		P		Siltstone/claystone - rich in diatoms	
B 15	R	2	28	277.28	D	C	D	A				A			P		P	C	P	C								A		Clayey siltstone	
B 15	R	2	34	277.34	M	P	D	A				D				P				P										Calcareous nodule	
B 15	R	2	43	277.43	M	P	D	A					A				P	C		A		P				P		C		Clayey siltstone - rich in diatoms	
B 16	R	1	58	285.68	D		A	D				D	*				P	P		C	R	R	R			P		P		Silty claystone with diatoms	
B 16	R	1	93	286.03	M			C	D			D	A				P			C		R				P				Carbonate cemented claystone	
B 16	R	CC	19	286.79	D		C	D					A				P	C		D		P		R		P				Silty claystone with diatoms	
B 17	R	1	90	295.5	D	C	A	D				R	A	P			P	C		C		P				P				Silty claystone	
B 17	R	1	101	295.61	D		A	D					A	R			P	P		A		P		P		P				Silty claystone	
B 17	R	1	115	295.75	D		A	D					A	P			P	A		D		C				P				Silty claystone with diatoms	
B 18	R	1	88	305.18	M	C	D	A					A	P			C	C		C		P				P		C		Siltstone	
B 18	R	1	118	305.48	M			A	D			P	D				R	R		C		D				P				Claystone - carbonate - cemented?	
B 18	R	1	136	305.66	D		A	D					D				P	C		P		P				P		P		Silty claystone	
B 19	R	1	30	314.3	M	A	A	C				R	C	C			C	C		C		P				P		C		Sandstone	
B 19	R	1	90	314.9	D			A	D				D				P	C		P		P		P						Silty claystone	
B 20	R	1	45	323.95	D		A	D				P	D	P			P	C		P		P				P		P		Silty claystone	
B 20	R	1	122	324.72	M		A	D					D	P			P	C		R		P				P		P		Clayey siltstone	
B 20	R	2	79	325.79	M			A	D				A					P									D			Bundle of sponge spicules (white fragment)	
B 21	R	1	30	333.4	D		A	D					D				P	C			R	P				R		P		Silty claystone	
B 22	R	2	20	343.11	D		A	D					D	P			P	C				P				P		P		Silty claystone	
B 23	R	1	73	352.73	M	C	D	C				P	C	C		P	C	P										A		Clayey siltstone	
B 23	R	1	95	352.95	D		C	D	P				D			P	C	P	P			P						C		Silty claystone	
B 24	R	3	22	364.92	M	A	A	C					C				A								A					Worm tube wall in silty claystone	
B 24	R	3	48	365.18	D	C	A	A					A			P	C	C										A		Silty claystone / Clayey siltstone	
B 25	R	2	35	373.15	D	C	A	A				P	A	P		P	C	P										C		Silty claystone / Clayey siltstone	
B 26	R	1	40	381.3	D		A	D				P	D				C	C	P			P						C		Silty claystone	
B 27	R	1	80	391.3	D			A	D				A	P			C	A				R						P		Silty claystone	
B 27	R	2	91	392.91	M		D	A	R					P		R	P	D												Volcanic Ash	
B 27	R	3	35	393.85	M		C	D				A	D				R					P				R				Claystone - white carbonate cemented?	
B 28	R	1	112	401.32	D		A	A	P				A				P	A				R				P		P		Silty Claystone	
B 29	R	2	43	411.73	D		D	A					A	C																Clayey siltstone	
B 29	R	3	33	413.13	M		D	A						C			A	C				P						C		Siltstone black	
B 29	R	2	43	411.73	D		D	A									P	C	P		*	R						P		Clayey siltstone	
B 30	R	CC	7	419.47	D		A	D					D				P	P				P								Silty claystone	
B 31	R	2	107	431.57	M	A	D							P			P	D												Volcanic ash (pink-gray)	
B 31	R	2	131	431.81	D			A	D				D	P			P	P										A		Silty claystone	
B 31	R	2	148	431.98	M	C	D	A						P		P	P	P										D		Siltstone	
B 31	R	3	40	432.4	M		C	D								D	R													Opaque mineral	
B 31	R	3	124	433.24	M	D	A	P									D					R					R			Volcanic ash (pink-gray)	
B 32	R	4	59	443.69	M	C	D	C					C	R		A	P	C				P					A			Clayey siltstone (laminated)	
B 32	R	5	125	445.85	D		C	D				C	A	C		R	C	P	R		*									Silty claystone	
B 32	R	5	129	445.89	D		C	D				C	A	P			P	R	R			C								Silty claystone	
B 33	R	1	146	449.66	M	A	A	C					C				P	D	P								C			Volcanic ash (pink)	
B 33	R	4	137	454.07	D		A	A					A				C	C	P								C			Silty claystone	
B 33	R	5	23	454.43	M	C	A	A					A				C	C	P								P			Disseminated ash in silty claystone	
B 34	R	2	34	459.74	M		C	D				*	C	P		C	P	A	R			R								Altered volcanic ash	

Sample	Texture					Mineral										Biogenic						Rock			Comments										
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Mica	Opagues	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians		Silicoflagellates	Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments					
1174																																			
B 34	R	3	89	461.79	M			C	D			R	C	P		R	R	D	R				*											Siliceous clay	
B 34	R	4	46	462.86	M			C	D			P	A	C		C	C	C	R				P											Silty claystone	
B 35	R	2	80	469.4	D	P	A	D				P	D	P		P	C	C	P				P											Silty claystone	
B 36	R	1	72	477.22	M	C	D	C					D				P	C					*											Siliceous claystone	
B 36	R	4	104	482.04	D	P	A	D				P	D			P	C	P	P															Silty claystone	
B 36	R	5	73	483.23	M	C	D	C				P	A			C	C	C	P				P											Silt	
B 37	R	2	125	488.45	M	C	D	C						P			P	D																Volcanic ash - gray-white	
B 37	R	2	133	488.53	M		D	A						P		P	P	D																Volcanic ash - red-gray - altered	
B 37	R	3	8	488.78	M	D	A										P	D																Volcanic ash - white - altered	
B 37	R	3	50	489.2	D		A	D					D	P	P		P	P																Silty claystone	
B 37	R	6	42	493.62	M		D	A						P			P	D																Volcanic ash - brownish - altered	
B 38	R	1	79	496.09	M	C	A	A					A	P		R	P						A											Silt - silty lamina within silty claystone	
B 38	R	3	64	498.94	M	C	A	A					D	R			P						P											Siliceous claystone - pinkish altered ash	
B 38	R	4	50	500.3	D		A	D					D				A	R					P											Silty claystone	
B 39	R	1	0	504.9	M	C	A	D					C	P			P	D					R											Volcanic ash - altered - gray/red	
B 39	R	4	39	509.79	M	C	A	A					C			P		A					A											Volcanic ash, light green, slightly altered	
B 39	R	4	65	510.05	M		A	A					A	P			P	C					C											Altered ash, black	
B 39	R	5	60	511.5	D		D	A									P	P					R		*									Silty claystone	
B 39	R	6	25	512.65	M		D	A						P			P	D																Altered ash	
B 40	R	1	33	514.93	M	A	D					P	D			P		C					P											Siliceous claystone	
B 40	R	1	123	515.83	M	C	D	C					P	D			P	P	C	P			C											Siliceous claystone	
B 40	R	2	80	516.9	M	C	D	C					D				P		C															Siliceous claystone	
B 40	R	3	125	518.85	M	A	D	C					A			P	P	A	P															Volcanic ash/siliceous claystone	
B 40	R	4	33	519.43	M	A	D						P	D			P	C					P											Siliceous claystone	
B 40	R	6	70	522.8	M	C	D	A					P	D			P	P	C															Ash in burrows	
B 41	R	1	103	525.33	M	A	D	A	P				A	P			P	D																Volcanic ash - altered - gray-brown	
B 41	R	2	104	526.84	M		A	D					D	P			P	P					C											White burrow	
B 41	R	2	140	527.2	M		A	D					C	C			C	C					C											White burrow	
B 41	R	2	71	526.51	D		A	D					D	P			P	P					C											Silty claystone	
B 41	R	2	51	526.31	M	A	D	C					C			D	P						R											Pyrite nodule	
B 42	R	1	67	534.57	M		D	C	P				P	P			P	D																Altered ash, green to light gray	
B 42	R	2	112	536.52	M	A	A	C	P					P			P	D																Altered ash, brown/gray	
B 42	R	4	50	538.9	D		A	D	R				D	P			P	P																Silty claystone	
B 42	R	4	144	539.84	M		A	D					D				P		R				P											Altered ash	
B 42	R	6	51	541.91	M		A	D	P				D				P	R	R															Altered ash/siliceous claystone	
B 43	R	2	66	545.76	D		C	D					D				P						C											Silty claystone	
B 43	R	4	74	548.84	M		A	A					D	P			P	C																Silicious claystone	
B 43	R	4	77	548.87	M		A	A					D				P	C																Silicious claystone	
B 43	R	4	89	548.99	M		A	A					D				P	R	C															Silicious claystone	
B 43	R	4	98	549.08	M		A	A					D	R			R	R																Silicious claystone	
B 43	R	6	100	552.1	M		A	A					D				P	C																Silicious claystone	
B 44	R	2	52	554.92	M		P	D					D					R																Siliceous claystone - green-brown	
B 44	R	2	72	555.12	M		P	D					D					R																Siliceous claystone - greenstone	
B 44	R	3	60	556.5	D		A	D					D				P																	Silty claystone	
B 45	R	1	90	563.5	M	C	D	C					A			A	P						C											Pyrite nodule	
B 45	R	2	118	565.28	D	C	A	D					D				P	C																Silty 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	Mica	Opagues	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Igneous Rock Fragments	Lithic Fragments		Metamorphic Rock Fragments							
1174																																					
B 46	R	4	51	577.31	M		A	D				A	A					P															Carbonate cemented nodule claystone				
B 46	R	5	76	579.06	M	A	D	P				P	D				P	P		C													Siliceous claystone				
B 46	R	5	147	579.77	D	C	A	A				P	D				P	C															C	Silty claystone/siliceous claystone			
B 47	R	1	53	582.43	M		C	D				*	D	R			R	A	P															Siliceous claystone			
B 47	R	3	80	585.7	M	C	A	A					C	P			A	P	A															Siliceous claystone			
B 47	R	3	107	585.97	D		C	D				P	A	C			R	C																Silty claystone			
B 47	R	6	80	590.2	M	A	A	C				*		P			P	C	D	R														Siliceous claystone			
B 48	R	2	99	594.09	M		C	D				*	A	P			*	P	A	R														Siliceous claystone			
B 49	R	3	76	604.96	D	C	A	A					A	A			P	C		P														C	Silty claystone		
B 50	R	2	55	612.95	M		A	D					D	P			P	P																	Silty claystone - altered ash - dark green-gray		
B 50	R	4	37	615.77	M		P	D					D				P																		Siliceous claystone - dark gray		
B 50	R	5	72	617.62	M		D	A					A	R			A	P	A																Altered ash - black - square opaque		
B 51	R	1	84	621.34	M		C	D	P				D	R			R		R																Siliceous claystone - altered ash - green		
B 51	R	1	126	621.76	M		C	D					D	P			P	P																	Siliceous claystone - altered ash - green		
B 51	R	2	75	622.75	D		A	D					D	P			P																			Silty claystone	
B 52	R	1	80	630.9	D		C	D					D	P			P				*															Silty claystone	
B 52	R	3	118	634.28	M		A	D					D				P	R																		Siliceous claystone/altered ash - green	
B 52	R	3	125	634.35	M		D	A					D				R	P																		Altered ash - green	
B 52	R	4	74	635.34	M		A	D	C				D	C			R																			Altered ash with pyroxene	
B 52	R	6	35	637.95	M		D	A					D				R	C																		Siliceous claystone - green	
B 53	R	1	100	640.8	M		A	D					D				R	P	P																	Silty claystone	
B 53	R	3	69	643.49	M		A	D					D				C	P	P																	Volcanic ash - gray	
B 54	R	4	35	654.25	M	A	D	A				P	D	P			P	R																		Altered ash - greenish gray	
B 54	R	4	91	654.81	M	A	D	C	P				A				D	P																		Altered ash - dark gray	
B 54	R	4	88	654.78	D		A	D					D				P	P	R																	Silty claystone	
B 54	R	6	23	657.13	M		A	D				R	D				P	P	P																	Altered ash - gray	
B 54	R	7	29	658.69	M	C	D	A					D	P			C	P	R																	Altered ash - green	
B 55	R	2	13	660.63	M	D	C	C					D				P	C	C																	Siliceous sand (altered ash)	
B 55	R	2	42	660.92	M	A	A	A				C	A				P	P	C			P	A													Nannofossil rich siliceous claystone	
B 55	R	4	50	664	D	P	C	D					P	D	P		R	P																		Silty claystone	
B 55	R	4	147	664.97	M	A	A	C				P	A				P	C	C																	Silty claystone / Siliceous sand	
B 55	R	5	19	665.19	M	C	D	C					A				A	P	C	P																Siliceous clay (green/gray)	
B 55	R	6	143	667.93	M	A	A	C				P	D				C	C																		C	Sandy claystone
B 56	R	2	64	670.84	D	P	C	D				P	D				P			P																P	Silty claystone
B 57	R	5	30	684.6	M	D	C	C					D				C	P	P																		Siliceous sandstone (altered ash - gray)
B 57	R	5	101	685.31	M	D	C	C					D				C	C	P																		Siliceous sandstone (altered ash - gray)
B 57	R	5	120	685.5	D		C	D				P	D				P	P																		P	Silty claystone
B 58	R	1	16	688.16	M		D	C					D				C	P		C																	Siliceous claystone (dark gray)
B 58	R	2	143	690.93	M	D	C	C					D	P			C	C	P																		Siliceous sandstone / clayey sandstone (gray)
B 58	R	3	119	692.19	D	C	A	A				P	D				P	C	P																		Silty claystone
B 58	R	3	112	692.12	M	D	A	P					D				P	P																			Siliceous siltstone / sandstone (dark gray)
B 58	R	3	58	691.58	M	C	A	D					D				P	P	P																		Siliceous claystone (dark gray)
B 60	R	5	59	713.79	M	P	D	A					A				A	C	C																		Siliceous silt /claystone (dark gray)
B 61	R	4	71	722.11	D		C	D				P	D	C			P	C		R																	Silty claystone
B 61	R	4	50	721.9	M		A	D					D	A				*																			Carbonate cemented claystone nodule
B 62	R	1	131	727.81	M		A	D					D	R			A																				Siliceous claystone -purplish-gray (dark)

Sample							Texture			Mineral										Biogenic						Rock			Comments	
Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Mica	Opagues	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules	Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments		
1174																														
B 62	R	2	70	728.7	D		C	D				D	P				P					R							Silty claystone	
B 62	R	4	126	732.26	D		C	D				D					P					P					R		Silty claystone	
B 63	R	1	101	737.11	M			A	D		R	D					P					R							Silty claystone in white burrow	
B 63	R	3	80	739.9	D		C	D				D	R									C							Silty claystone	
B 63	R	6	1	743.61	M		A	D				D	P				P					P							Silty claystone in white burrow	
B 64	R	3	60	749.3	D		C	A	D							R	P					P							Silty claystone	
B 64	R	5	2	751.72	M		A	D				D	P		A	P													Opaque-rich claystone	
B 65	R	5	50	761.5	D		A	D			R	D					P										C		Silty claystone	
B 65	R	5	78	761.78	M		A	D				D	A	P		R	P					R						P	Carbonate cemented claystone	
B 65	R	6	63	763.13	M		A	D				D	P		C														Opaque-rich claystone	
B 66	R	2	92	767.02	M	A	D	A			P	D	C		R	P													Sandy siliceous claystone	
B 66	R	3	60	768.2	D		C	D				D	P				P					P							Silty claystone	
B 67	R	6	101	781.45	D		A	D				P	D				C										P		Silty claystone	
B 67	R	6	124	781.68	M	P	D	A			D	A					C												Carbonate cemented claystone (Nodule)	
B 67	R	6	129	781.73	M	A	D	C				D			P	C						*							Sandy siliceous claystone (dark gray)	
B 67	R	7	102	782.96	M	C	A	D				D			C				P										Siliceous claystone (green)	
B 68	R	2	87	786.27	D	P	A	D				D			P	C	P	P									P		Silty claystone	
B 69	R	6	36	800.23	M	C	D	C				D	A		P	P						C							Carbonate cemented claystone (nodule)	
B 70	R	5	100	810.3	D	P	A	A				D			P	C			P										Silty claystone	
B 71	R	3	25	814.41	D		P	D				A	D																Silty claystone	
B 72	R	1	76	822.96	D		C	D				A	D																Silty claystone (light gray)	
B 72	R	2	94	824.64	D		P	D				A	D				R												Silty claystone	
B 73	R	3	102	835.82	M		P	D				D	P																Siliceous claystone - green	
B 73	R	6	120	840.5	D		P	D				C	D	P								C							Silty claystone	
B 74	R	1	76	842.16	D		P	D				A	D									A								Silty claystone - carbonate cemented
B 74	R	1	76	842.16	D		P	D				A	D									A								Silty claystone - carbonate cemented
B 74	R	2	100	843.9	D		P	D				P	D	P			P					C							Silty claystone	
B 75	R	1	60	851.6	D		A	D				P	D	P			P					C							Silty claystone	
B 76	R	1	30	861	M		C	D				A	A				R					D							Nannochalk	
B 76	R	1	60	861.3	D		A	D				D					P					P							Silty claystone	
B 77	R	2	110	873	D		C	D				D	P				P												Silty claystone	
B 77	R	3	125	874.65	M		C	D				D	P			R													Silty claystone - green lamina	
B 77	R	3	133	874.73	M		C	D				D	P									P							Opaque-rich claystone	
B 78	R	4	60	885.1	D		P	D				D				R	P												Silty claystone	
B 78	R	5	65	886.65	M			D				D	A																Calcareous claystone	
B 79	R	2	70	891.5	D	P	A	D				D			C	C						P							Silty claystone	
B 79	R	2	141	892.21	M	P	D	A				D	C			P	C												Calcareous claystone	
B 80	R	1	86	899.86	M		D	A	R			A	R		P	R	D	P											Siliceous claystone	
B 80	R	2	45	900.95	M		D	C				D	C	R								R	R	R					Silty claystone - carbonate cemented	
B 81	R	4	7	913.17	M		C	D				R	C			C	P	D											Siliceous claystone	
B 82	R	3	70	921.75	D	C	A	D				P	D			P	P					C						P	Silty claystone	
B 83	R	2	43	929.83	M	C	A	D				C	D				P					C							Calcareous silty claystone	
B 83	R	5	13	934.03	M	C	C	D				D				C	P												Siliceous claystone	
B 84	R	3	23	940.73	M	P	A	D				P	D			C	C					A							Silty claystone rich in Nannos	
B 84	R	3	39	940.89	D	C	A	D				P	D			P	P												Silty claystone	
B 84	R	3	47	940.97	M	D	C	C				D	C									P							Calcite vein	

Sample	Texture						Mineral											Biogenic						Rock			Comments								
	Hole	Core	CT	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Accessory Minerals	Biotite	Carbonate	Clay	Feldspar	Mica	Opauques	Quartz	Volcanic Glass	Zeolite	Diatoms	Foraminifers	Nannofossils	Radiolarians	Silicoflagellates	Sponge Spicules		Igneous Rock Fragments	Lithic Fragments	Metamorphic Rock Fragments					
1174																																			
B 84	R	3	123	941.73	M	D	A	C					D				P	P															Siliceous claystone		
B 84	R	5	85	944.35	M	A	A	C					D				P	C		C													Siliceous claystone		
B 85	R	1	55	947.65	M								D	R			C																Opaque-rich claystone		
B 85	R	4	60	952.2	D			C	D	*			D				R												R			Silty claystone			
B 85	R	6	85	955.45	M			C	D			D	A																				Limestone		
B 86	R	3	5	959.85	M			C	D				C	D			R	P															Siliceous claystone		
B 86	R	3	70	960.5	D			P	D				D	P			R																Silty claystone		
B 86	R	4	26	961.56	M			C	D			D	C	P																			Limestone		
B 87	R	3	105	970.55	M			P	D			D	A																					Carbonate nodule	
B 87	R	4	90	971.9	D			C	D				D	P			R																Silty claystone		
B 88	R	3	20	979.3	D			C	D				D	P			R	P				R								R			Silty claystone		
B 89	R	2	70	987.5	D			C	D			C	D				R	R												P			Silty claystone		
B 89	R	3	131	989.61	M			C	D				D				R	R												R			Siliceous claystone - gray		
B 90	R	2	39	996.79	M			C	D			D	A																					Limestone - carbonate cemented	
B 90	R	2	80	997.2	D			C	D				D	P				P																Silty claystone	
B 91	R	2	60	1006.7	D	C	A	D				P	D				P	P		P														Silty claystone	
B 92	R	2	23	1015.93	M			C	D	R		R	D	R			A	R		R														Siliceous claystone - dark gray	
B 92	R	4	88	1019.58	M			C	D			D	A	R				*	P			*												Carbonate-cemented silty claystone	
B 93	R	3	74	1027.64	M	P	D	C				D	A					P																Carbonate cemented silty claystone	
B 94	R	2	128	1036.28	M			C	D	*			D	*			A	*																	Siliceous claystone - gray
B 94	R	3	19	1036.69	M	P	C	D					D	P			P		P	*														Siliceous claystone - green	
B 95	R	3	85	1046.95	D			C	D				D				P	P			*		C											Silty claystone	
B 96	R	3	60	1056.2	M	A	A	A					D				A			P														Siliceous claystone	
B 97	R	1	43	1062.73	M			P	D			D	A							P			P											Carbonate-cemented claystone	
B 97	R	2	94	1064.74	M			P	D			D	A																						Limestone - carbonate cemented
B 97	R	3	70	1066	D			C	D				D	P			R	R																Silty claystone	
B 98	R	1	70	1072.6	D			C	D			P	D	R			R	R																Silty claystone	
B 99	R	1	60	1082.1	D			C	D	R		P	D				R													R				Silty claystone	
B 100	R	2	72	1093.28	D			C	D			P	D	R			R	R				P												Silty claystone	
B 101	R	2	50	1101.94	D			C	D				D	R			R	R																Silty claystone	
B 101	R	CC	26	1102.5	M			C	D				D	R			R																	Red silty claystone	
B 102	R	1	1	1110.21	M			C	D				D	R			R	R																Red 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	Opauques	Pyrite	Quartz	Volcanic Glass	Diatoms	Foraminifers	Radiolarians	Nannofossils	Plant Debris	Silicoflagellates	Sponge Spicules	Carbonate Grains	Lithoclast	Metamorphic Rock Fragments	Pumice	Volcanic Fragments					
1174																																				
B	1	R	1	3	143.73	D			P					A	P				P														A		A	Sand - sieved
B	9	R	2	16	219.36	D	C		P					A				P	P													P		A	Sand - sieved	
B	10	R	1	30	227.5	D	A	C	P					A	R	R		C	P		P										P		C	Silty sandstone		
B	17	R	1	63	295.23	D	A	C	P					A	P	R		C	P		P										C		C	Silty sandstone		
B	19	R	1	45	314.45	D	C	A	P	P				C	P	C		A	P		P			P					A					Silty sand		
B	46	R	5	129	579.59		C	D			R	D		P	*	R		P			P		R												Silty claystone	
B	46	R	5	146	579.76		C	D				D		P				P			P														Silty claystone	
B	46	R	7	0	581.3		A	D				D		P	P			A																	Silty claystone	