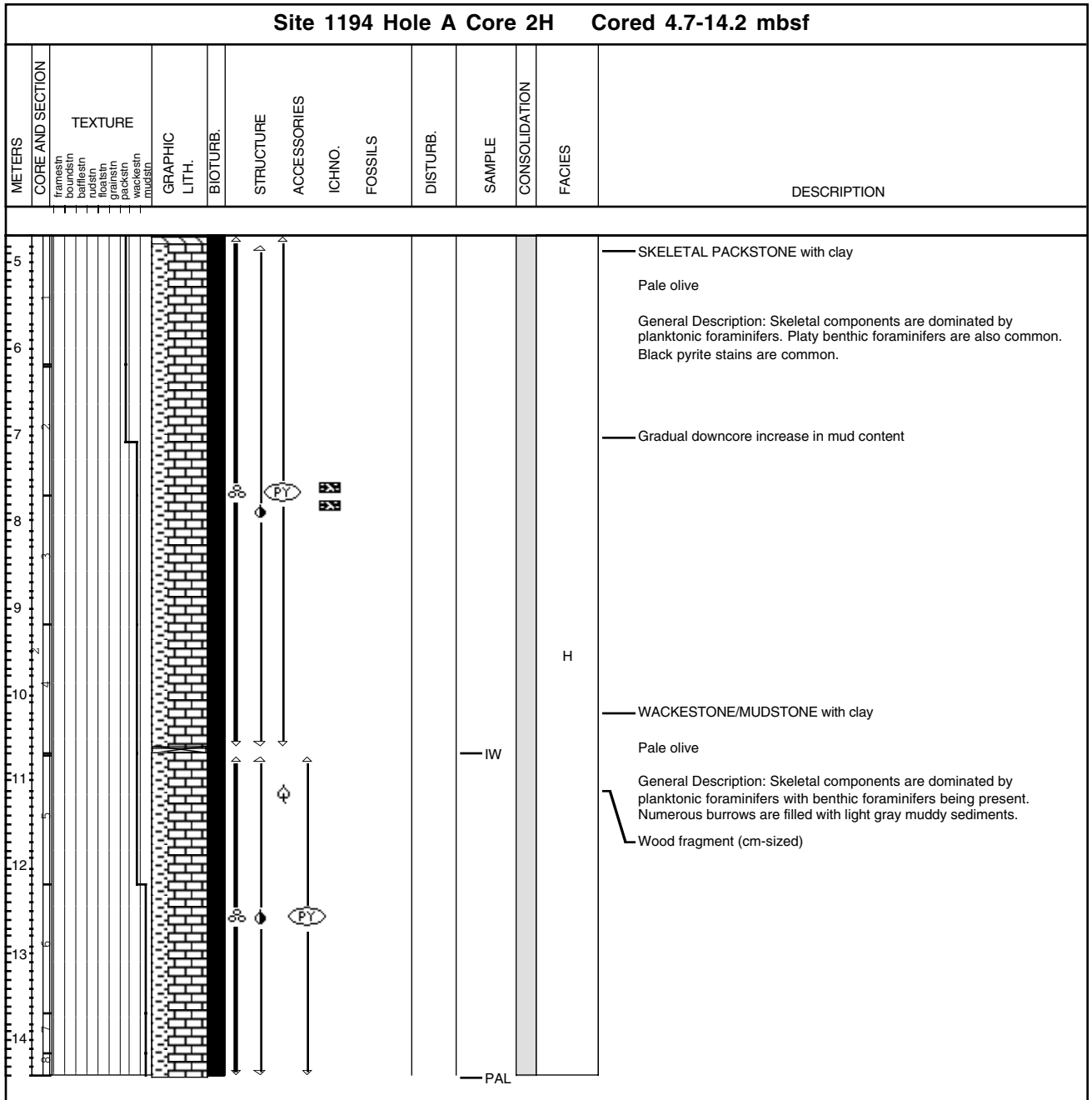
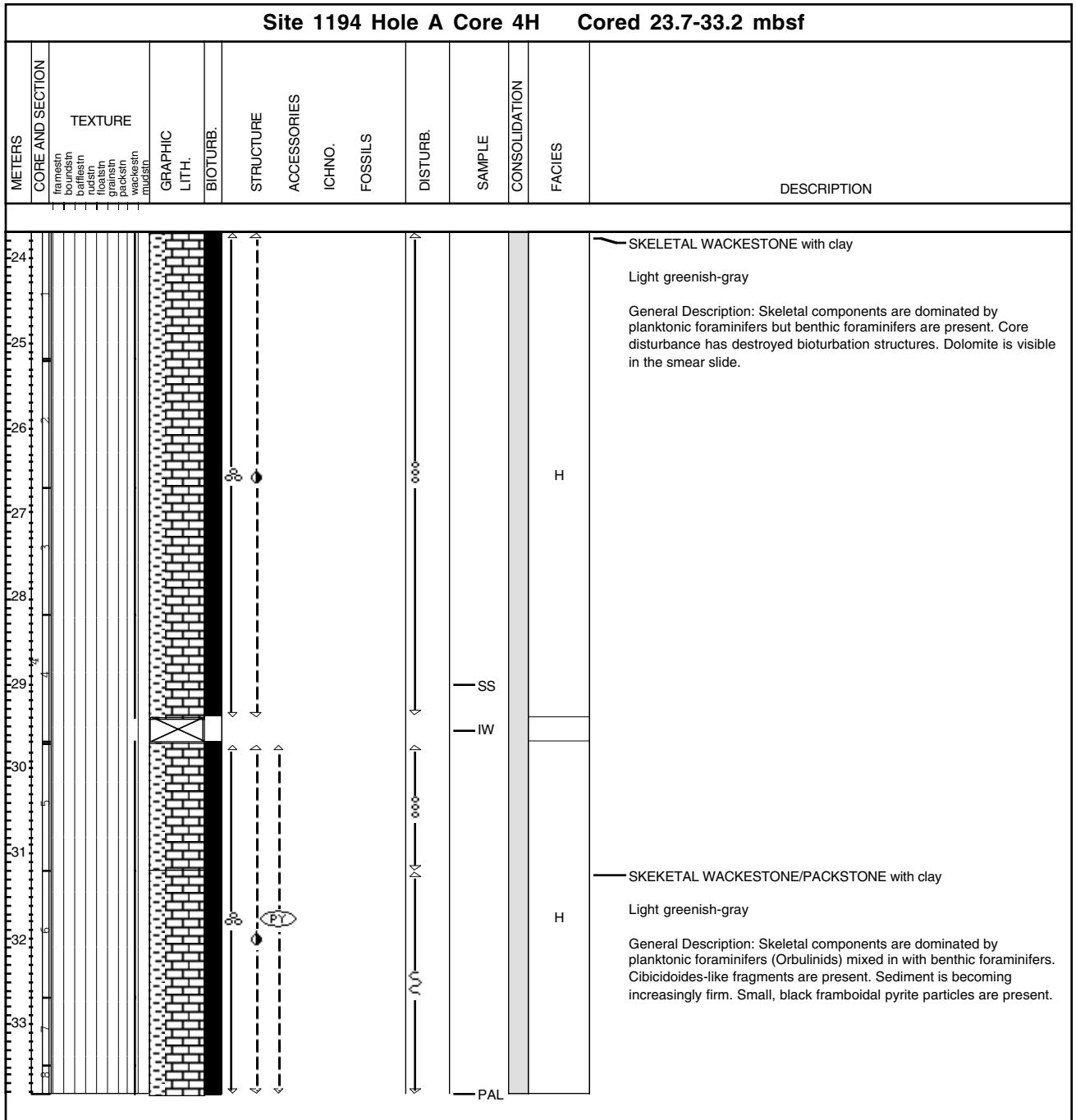


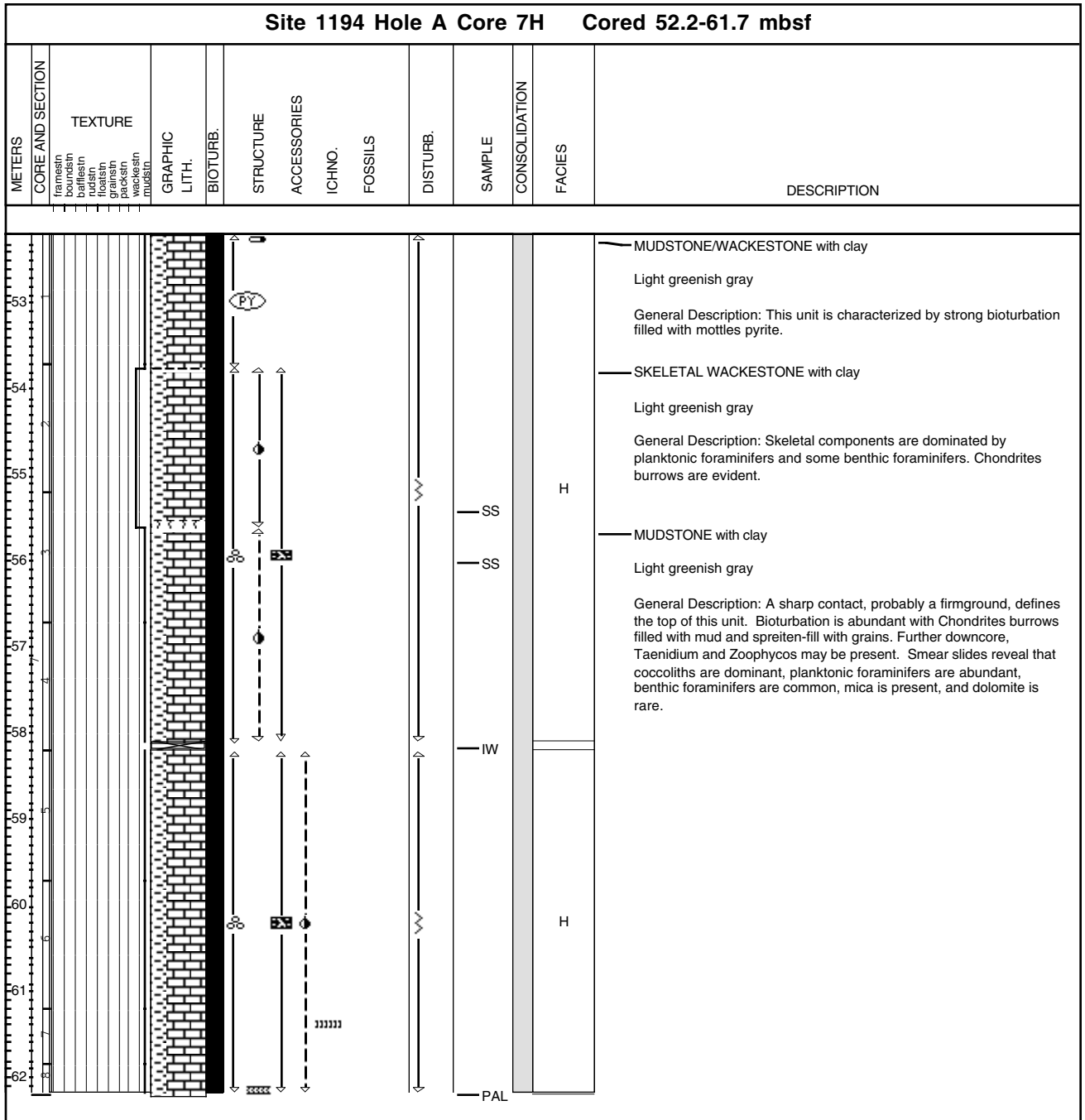
Core Photo



Core Photo



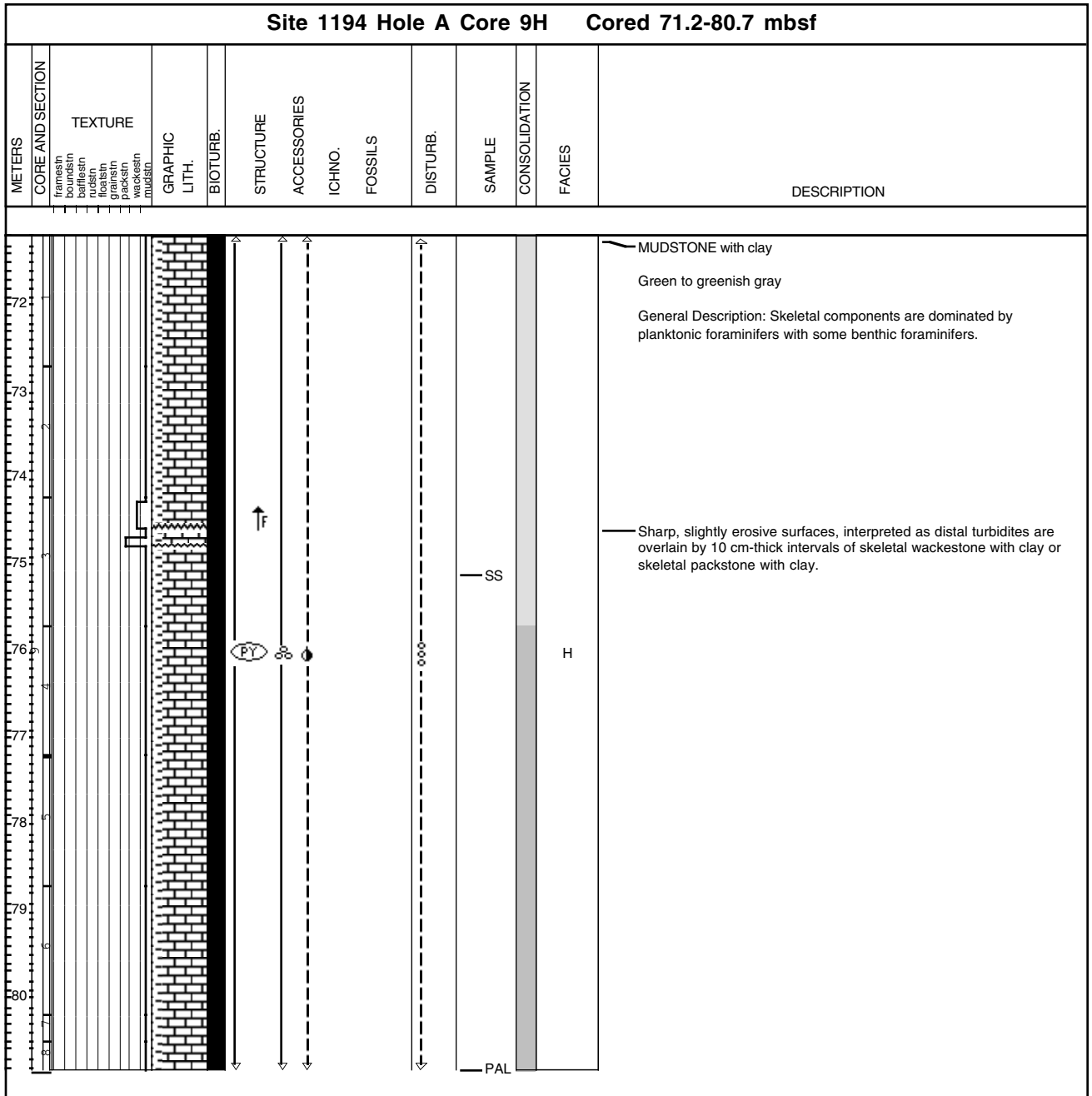
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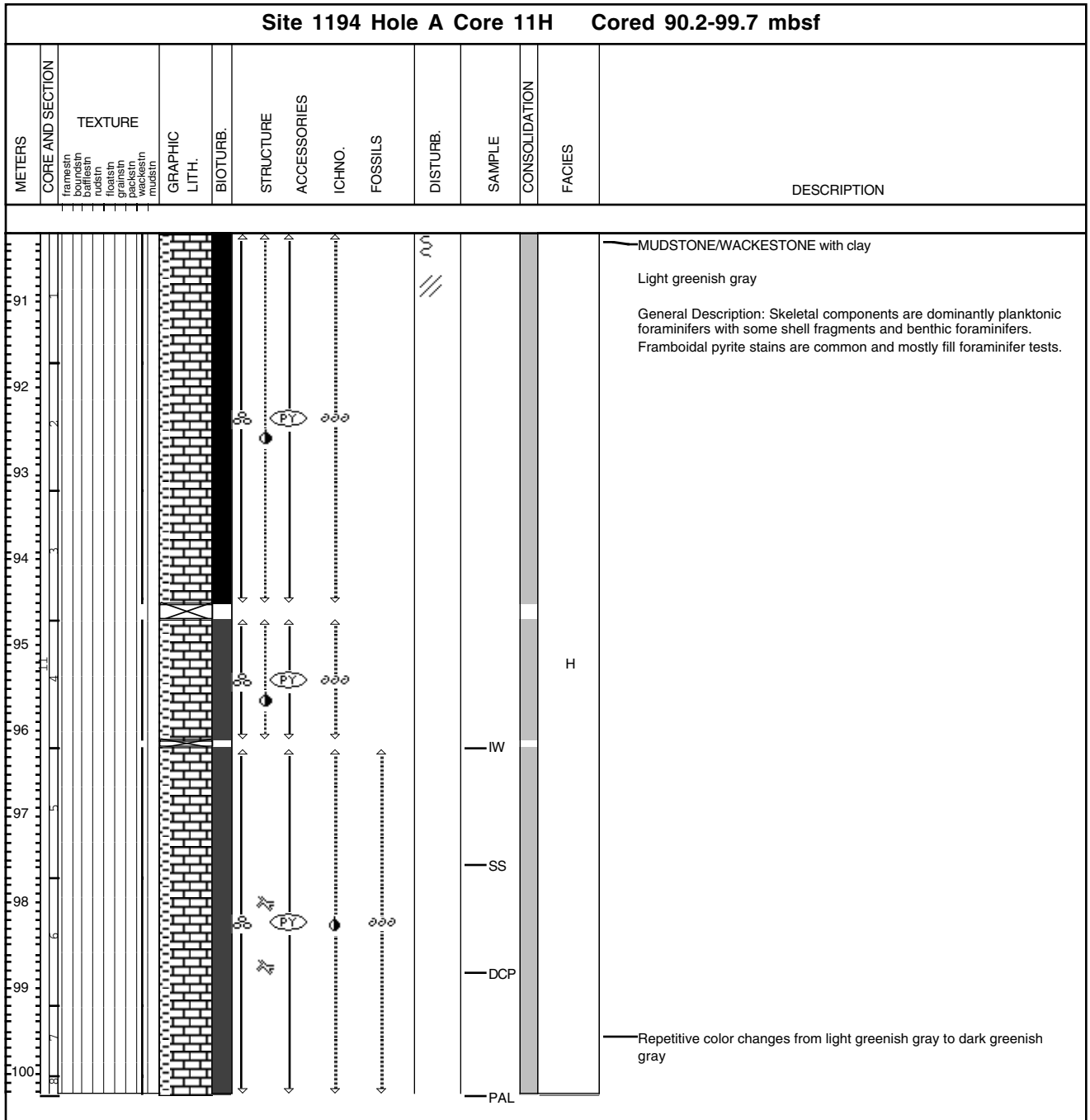
Core Photo

Site 1194 Hole A Core 8H Cored 61.7-71.2 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
62													<p>MUDSTONE with clay</p> <p>Light greenish gray</p> <p>General Description: The sediment is heavily bioturbated. Wackestone fills some burrows and pyrite mottles are common. The core has no distinct boundaries. Nannofossils are dominant, planktonic foraminifers are abundant, benthic foraminifers are common, and mica is present according to smear slide observations. Clay content appears to be decreasing.</p>
63													
64												H	
65													
66										WRP			
67										SS		H	
68										IW			
69													
70												H	
71										PAL			

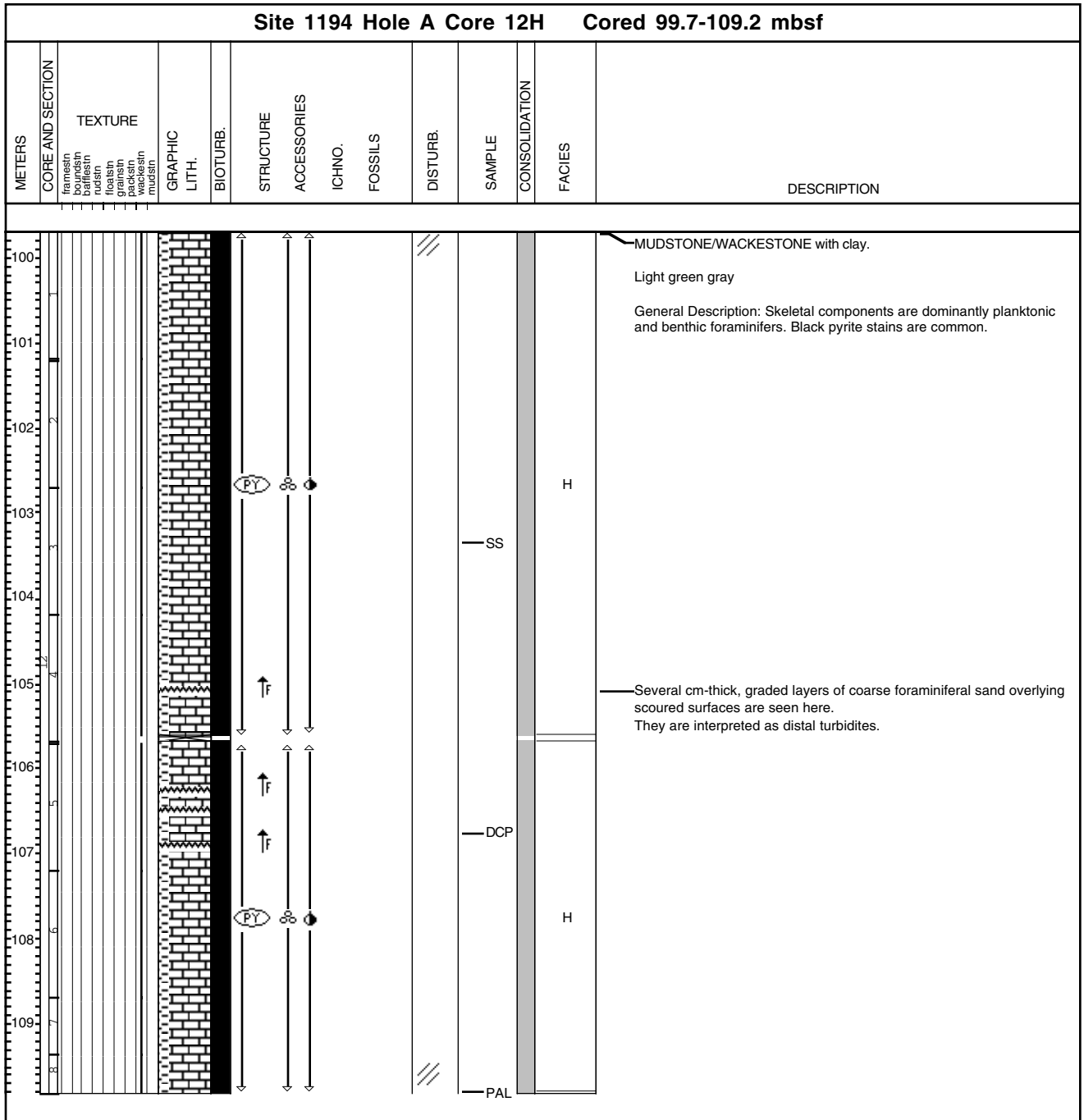
Core Photo



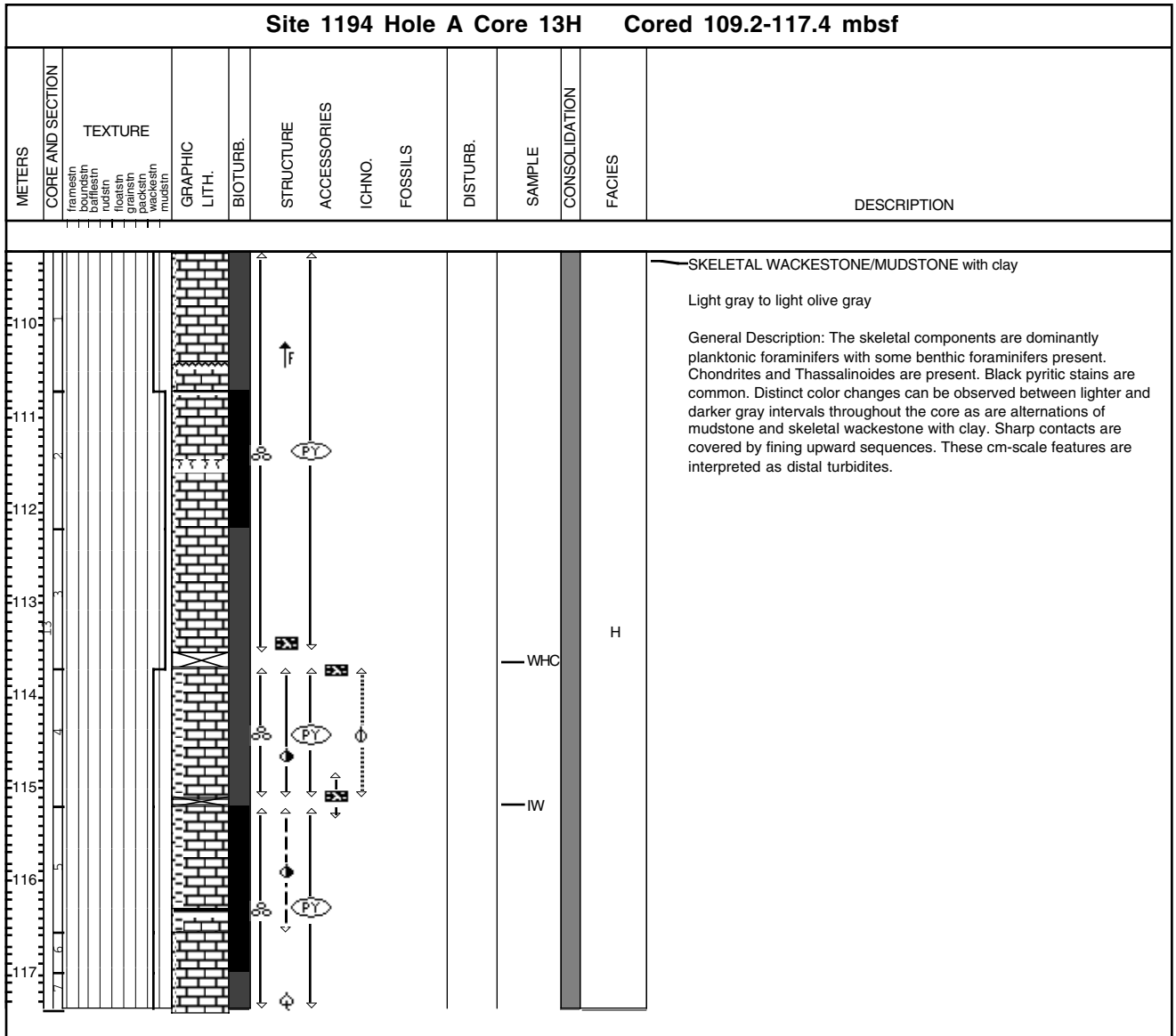
Core Photo



Core Photo



Core Photo

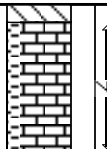




Core Photo

Site 1194 Hole A Core 14X Cored 117.4-121.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
118 119	framesin boundstin baflesstin rudstin floatstin pactstin wackestin mudstin									THS IW PAL	N		<p>— SKELETAL GRAINSTONE with quartz</p> <p>Pale yellow</p> <p>General Description: Skeletal components are mostly indistinguishable in hand sample, but bryozoans and benthic foraminifers can be seen along with abundant molds of bioclasts, many of which were mollusk fragments. Quartz sand is present. Glauconitized bioclasts are common. Larger bioclasts float in a matrix of well-sorted very fine-grained carbonate sand.</p> <p>The top 10 cm of the core are coated on top and side surfaces by a dark grayish brown phosphate (?) crust 1-2 mm thick. The side surface (a vertical crack) has a fine, wavy outer texture. Below the crust is a stained halo 1.5 cm thick with brown color gradually lightening inward. This interval is interpreted as a phosphatic hardground and/or erosional surface.</p>

1194A-15X NO RECOVERY

Core Photo

Site 1194 Hole A Core 16X Cored 131.5-141.1 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
132	framesin boundsin baflesin rudsin floatsin poresin packsin wackesin mudsln									PAL		N	<p>— SKELETAL FLOATSTONE with clay</p> <p>Dark gray</p> <p>General Description: Skeletal components are dominantly bryozoans with common bivalve fragments.</p>

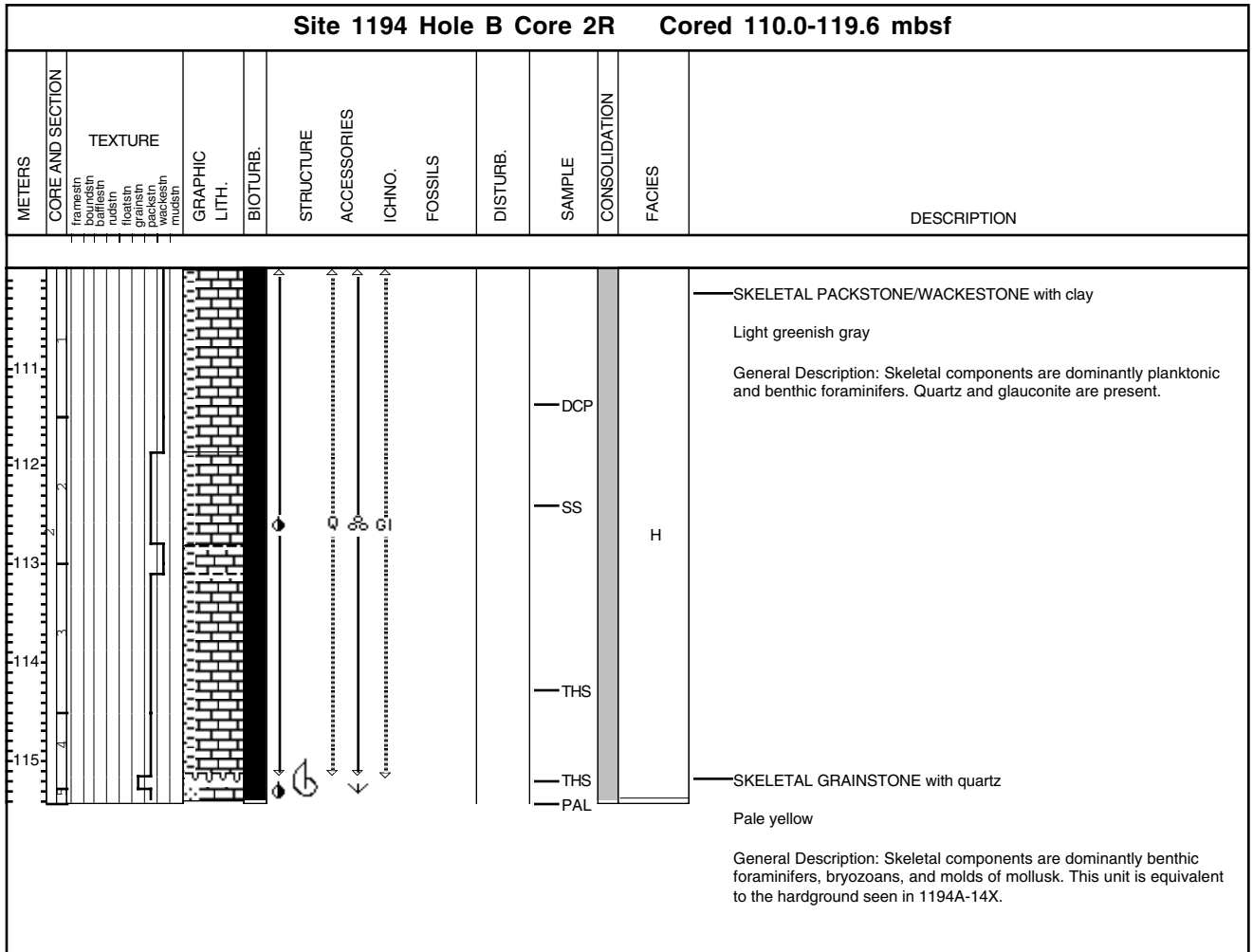
1194A-17X NO RECOVERY

Core Photo

Site 1194 Hole A Core 20X Cored 160.3-169.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
61													<p>SKELETAL PACKSTONE</p> <p>White to light gray</p> <p>General Description: Skeletal components are dominantly bryozoans and small benthic foraminifers. Mollusc are present as dissolved shells. Glauconite is scarce and concentrated within the skeletal cavities.</p>

Core Photo

1194B-1W WASH CORE



Core Photo

Site 1194 Hole B Core 3R Cored 119.6-129.3 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
120										DCP		N	<p>SKELETAL FLOATSTONE with clay</p> <p>Light olive gray</p> <p>General Description: Skeletal components are dominated by branching bryozoans. The grainstone matrix is rich in planktonic foraminifers and large benthic foraminifers. Quartz is common and glauconite present.</p> <p>Presence of some skeletal rudstone intervals (minor lithology) dominated by branching bryozoans with some larger benthic foraminifers (Lepidocyclina).</p>

Core Photo

Site 1194 Hole B Core 4R Cored 129.3-138.8 mbsf										
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	DESCRIPTION
		framiesin bediesin mudsin floatsin grainsin packsin mudsin								SKELETAL PACKSTONE with clay Greenish gray General Description: Skeletal components are dominated by benthic foraminifers and branching bryozoan fragments. Bryozoan fragments are 2-8 mm long giving this lithology a texture close to a floatstone. Small echinoderm fragments are present. Quartz and glauconite are present.

Core Photo

Site 1194 Hole B Core 5R Cored 138.8-148.4 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
139												N	<p>SKELETAL PACKSTONE with clay</p> <p>Greenish gray</p> <p>General Description: Skeletal components are dominated by benthic foraminifers. Planktonic foraminifers and bryozoans are common. Some bivalves are present. Quartz is common and glauconite is present. Bioturbation mottles and small burrows are filled with mud.</p>

Core Photo

Site 1194 Hole B Core 6R Cored 148.4-158.0 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
149 6 150	framesin boonrodsin bafiflesin rudsin floatsin parksin wackesin mudsin											N	<p>— SKELETAL PACKSTONE with clay</p> <p>Light greenish gray</p> <p>General Description: Skeletal components are composed of abundant benthic foraminifers with rare bryozoans. Quartz and glauconite are present.</p>


Core Photo

Site 1194 Hole B Core 7R Cored 158.0-167.6 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
159													<p>— SKELETAL PACKSTONE with clay</p> <p>Light greenish gray</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with rare benthic foraminifers. Glauconite is present.</p>

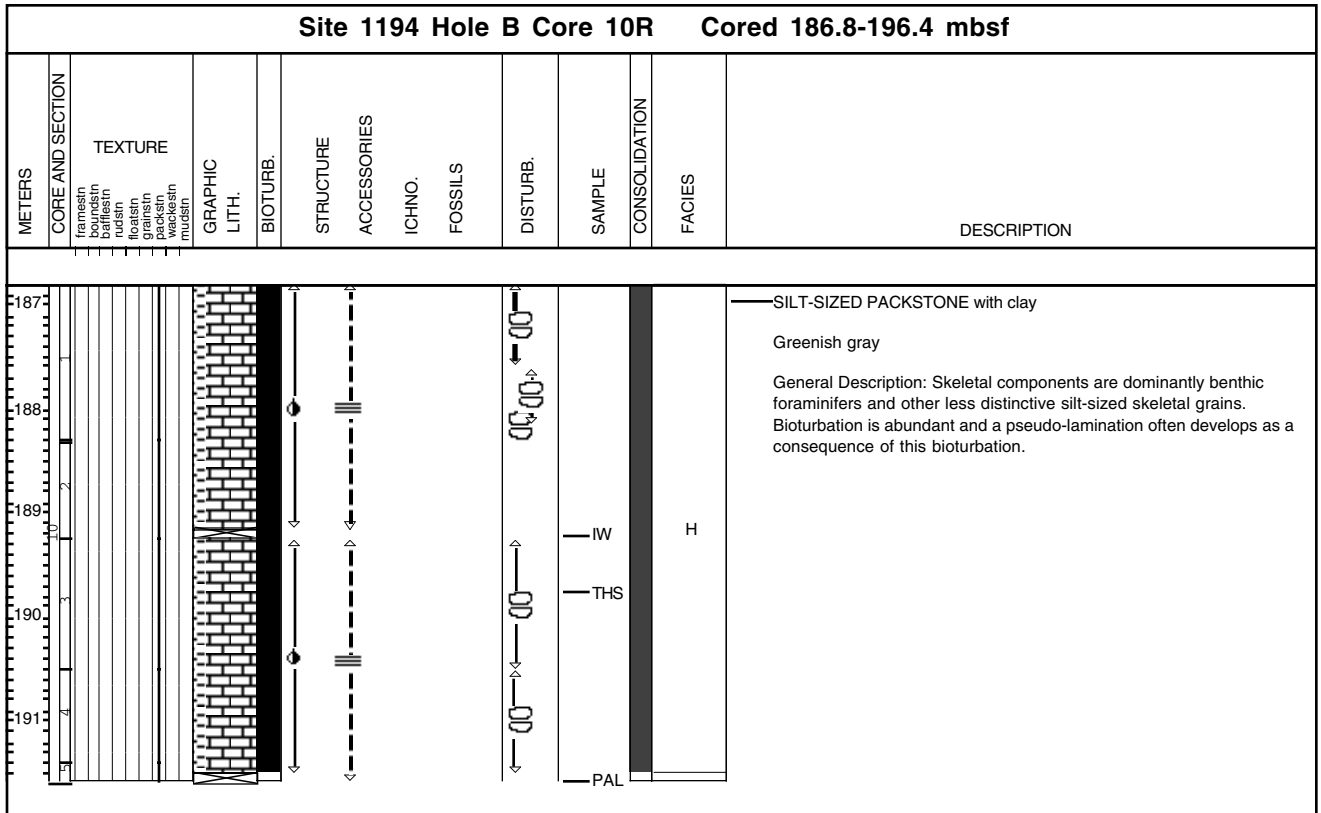
Core Photo

Site 1194 Hole B Core 8R Cored 167.6-177.2 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
168 169													<p>— SKELETAL PACKSTONE with clay</p> <p>Light greenish gray</p> <p>General Description: Skeletal components are dominantly planktonic and benthic foraminifers. Glauconite is present.</p>

Core Photo

Site 1194 Hole B Core 9R Cored 177.2-186.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
													<p>  </p> <p> SKELETAL PACKSTONE with clay Pale yellow General Description: Skeletal components are dominantly planktonic and benthic foraminifers. Contact beneath this interval is sharp and is interpreted to be a firmground. </p> <p> SILT-SIZED PACKSTONE with clay Dark greenish gray General Description: Silt-sized skeletal components. </p>

Core Photo



Core Photo

Site 1194 Hole B Core 11R Cored 196.4-206.0 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
197													<p>DOLOMITIC SILT-SIZED PACKSTONE with clay</p> <p>Light greenish gray</p> <p>General Description: Skeletal components are dominantly planktonic and benthic foraminifers. Possible small current ripple structures are observed that may be related to distal turbidites.</p>

Core Photo

Site 1194 Hole B Core 12R Cored 206.0-215.7 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin boursin baflesin rudsin floatsin packsin wackesin mudsln												<p>DOLOMITIC PACKSTONE with clay</p> <p>Light greenish-gray</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with rare benthic foraminifers. Glauconite is abundant in the upper unit and decreases downcore. Two minor units are recognized divided by a firmground. These units are distinguished by an increase in grain size in the upper unit that overlies a more extensively bioturbated lower unit.</p>

Core Photo

Site 1194 Hole B Core 13R Cored 215.7-225.3 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
													<p>DOLOMITIC SKELETAL PACKSTONE with clay</p> <p>Greenish gray</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with rare benthic foraminifers. Glauconite is rare.</p>

Core Photo

Site 1194 Hole B Core 14R Cored 225.3-234.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
		framesin bedin mudsin foalsin grainsin packsin framesin mudsin											<p>DOLOMITIC SKELETAL PACKSTONE with clay</p> <p>White</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with subordinate benthic foraminifers. Glauconite is present.</p>

Core Photo

Site 1194 Hole B Core 16R Cored 244.5-254.2 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
		framesin bedin rudin foatin grainin packin mudsin											<p>SKELETAL GRAINSTONE with clay</p> <p>Light olive gray</p> <p>General Description: Skeletal components are dominantly benthic foraminifers. Bryozoan and shell fragments are common. Crustacean fragments are present. Matrix is composed of silt to fine sand-sized unidentified skeletal components. Quartz is rare.</p>

Core Photo

Site 1194 Hole B Core 17R Cored 254.2-263.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
255.5	3									IW		H	<p>SKELETAL PACKSTONE with clay</p> <p>Dark greenish gray</p> <p>General Description: Components are not easily identifiable because of the fine grain size. Benthic foraminifers, glauconite grains, and gastropod molds are rare.</p>
256.0	2									DCP		H	<p>SILT-SIZED PACKSTONE with clay</p> <p>Pale olive</p> <p>General Description: Skeletal components are dominantly benthic foraminifers and shell fragments (some of which have been dissolved) Glauconite grains are present.</p>
	3									PAL			<p>SKELETAL GRAINSTONE</p> <p>Pale yellow</p> <p>General Description: Skeletal components are dominantly bryozoans. Glauconite is locally abundant. High intergranular porosity and moldic porosity are present.</p>

Core Photo

Site 1194 Hole B Core 18R Cored 263.8-273.4 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
264													<p>SILT-SIZED GRAINSTONE with quartz</p> <p>Light olive gray</p> <p>General Description: This lithology is fine-grained, moderately sorted, well cemented rock with incipient dolomitization. Very fine sand-sized glauconite grains are common, quartz is present. Most grains consists of unidentified skeletal fragments. Rare shell fragments were observed.</p>

Core Photo

Site 1194 Hole B Core 19R Cored 273.4-283.0 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
274													<p>SILT-SIZED GRAINSTONE with quartz</p> <p>Light to very light olive gray</p> <p>General Description: This lithology is a fine-grained, well-sorted and well- cemented rock with incipient dolomitization. Most grains consist of unidentified broken skeletal fragments. Silt-sized glauconite grains are common. Quartz is present.</p>

Core Photo

Site 1194 Hole B Core 20R Cored 283.0-292.6 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
		framestin boundstin bafflestin rudstin floatstin packstin wackestin mudstin											<p>SILT-SIZED GRAINSTONE with quartz</p> <p>Light greenish to olive gray</p> <p>General Description: Unidentifiable silt-sized grains become slightly coarser downcore. Sand-sized glauconite locally abundant. Quartz is present, shell fragments are rare.</p>

Core Photo

Site 1194 Hole B Core 21R Cored 292.6-302.2 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
293													<p>SILT-SIZED GRAINSTONE with quartz</p> <p>Light olive gray</p> <p>General Description: This well-sorted, well-cemented rock has incipient dolomitization and burrows that are partially filled with pyrite. Silt-sized glauconite is common. Most grains consist of unidentified skeletal fragments. Quartz is present.</p>

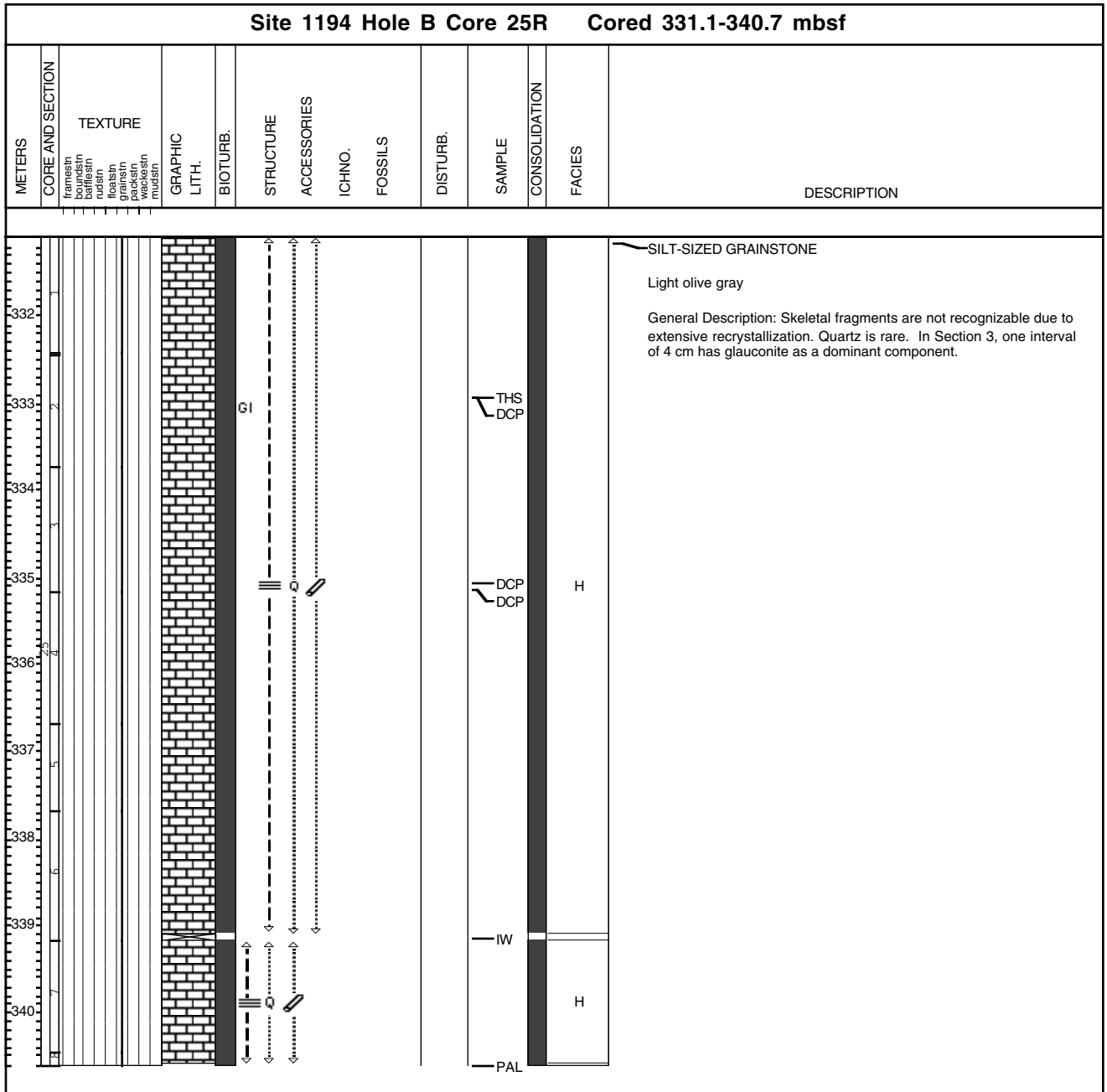
Core Photo

Site 1194 Hole B Core 22R Cored 302.2-311.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
303	22												<p>SILT-SIZED GRAINSTONE with quartz</p> <p>Light olive gray</p> <p>General Description: The first 30-cm of this lithology are well sorted while the rest of the interval is poorly sorted. It is dominated by silt-sized skeletal fragments. Rare bryozoan debris were identified in the lower part of the core. Glauconite is common and quartz is present. Pyrite-infilled burrows are found in the lower part of the core.</p>

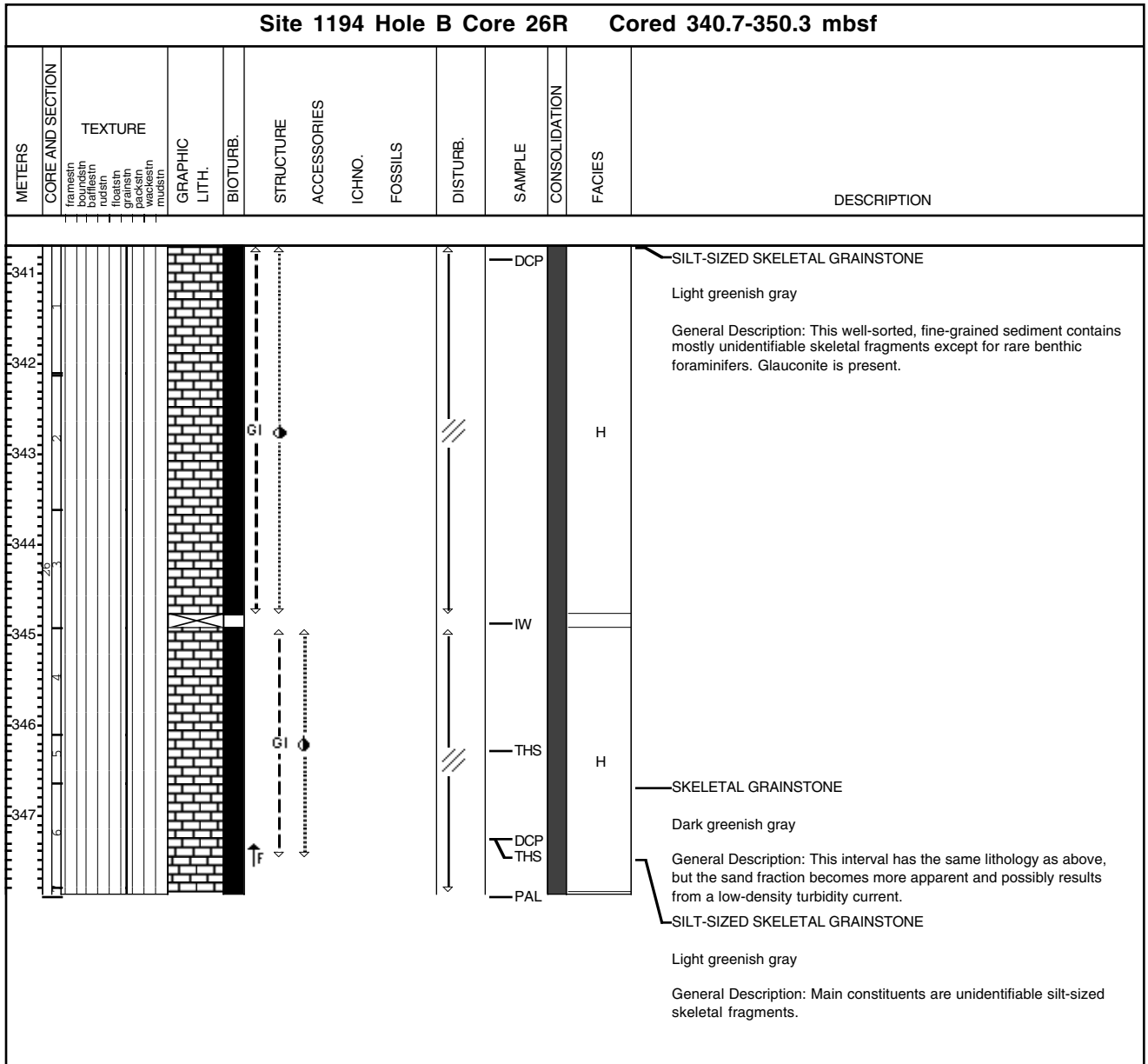
Core Photo

Site 1194 Hole B Core 23R Cored 311.9-321.5 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
313	2	framesin boundstin bifllesin rudstin flotstin pactstin wackstin mudstin			GI							H	<p>SILT-SIZED GRAINSTONE with quartz</p> <p>Dark greenish gray</p> <p>General Description: This fine-grained, moderately to well-sorted sediment generally consists of unidentified bioclasts. Bryozoans, shell fragments, and benthic foraminifers are rare. Glauconite grains are abundant.</p>

Core Photo



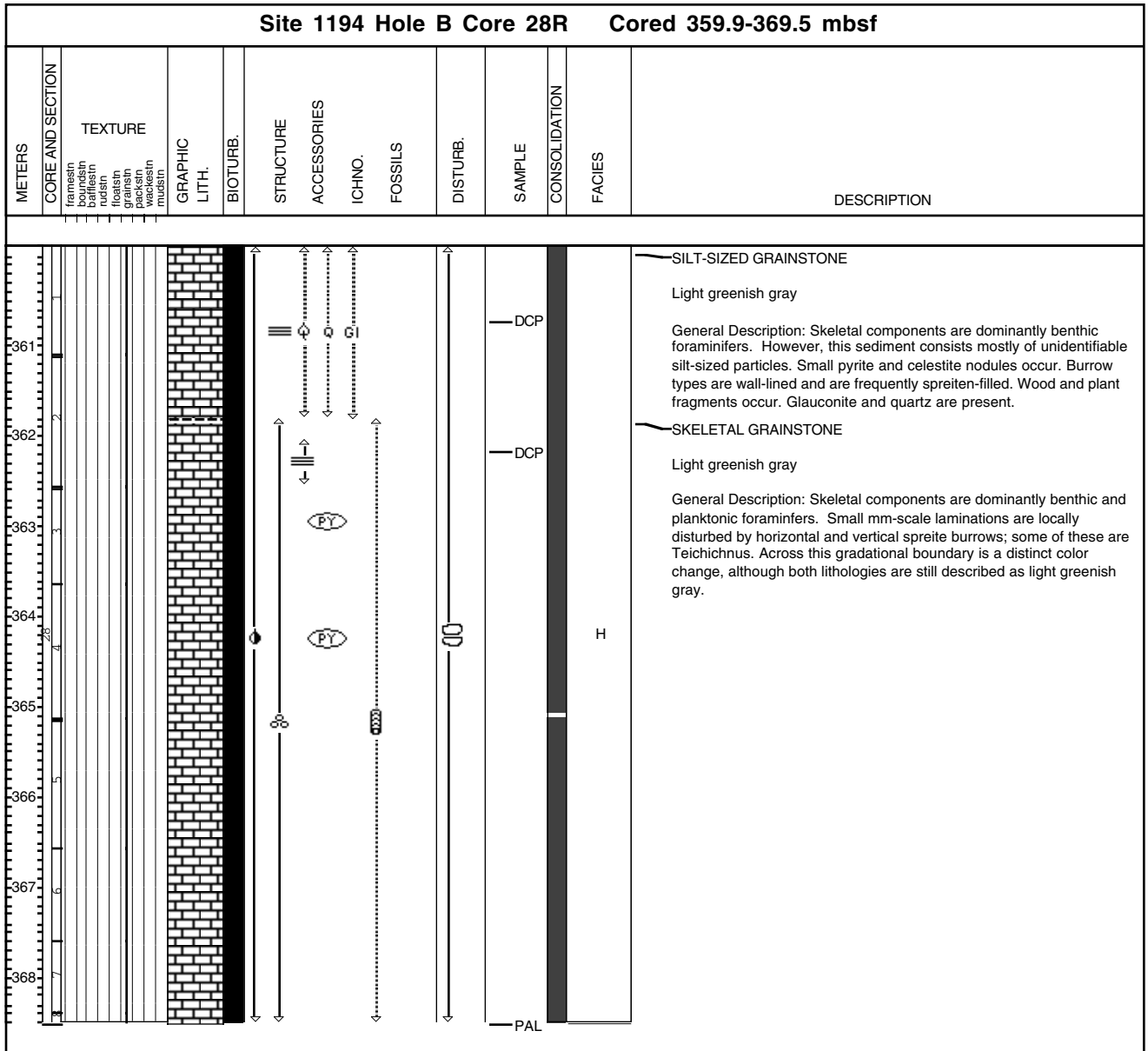
Core Photo



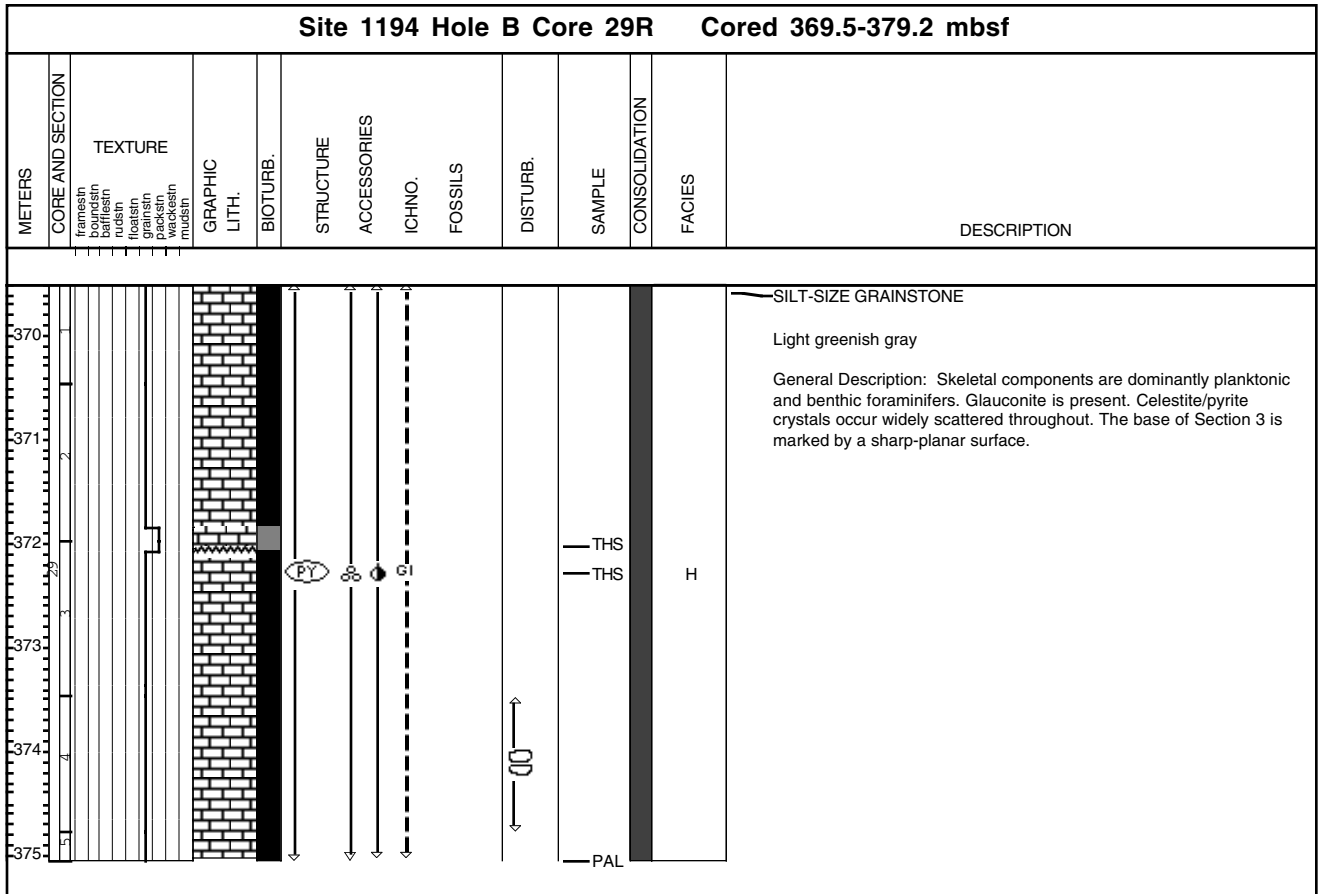
Core Photo

Site 1194 Hole B Core 27R Cored 350.3-359.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
351													
352													
353													
													<p>— SILT-SIZE GRAINSTONE</p> <p>Light greenish gray to light olive gray</p> <p>General Description: Skeletal components are dominantly planktonic and benthic foraminifers. Glauconite is present. Celestite/pyrite crystals occur widely scattered throughout the core. Color becomes slightly lighter downcore.</p>
										PAL		H	

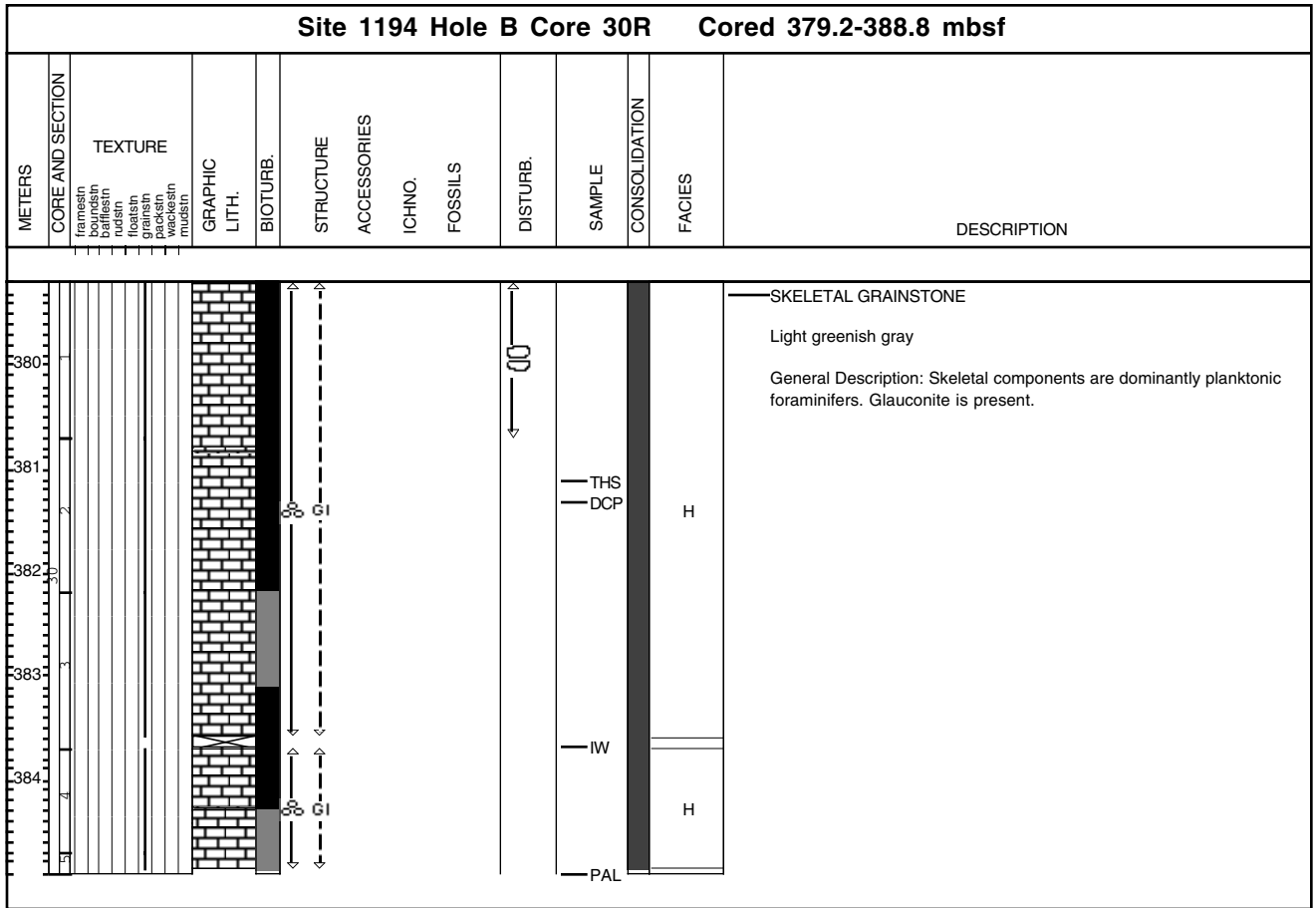
Core Photo



Core Photo



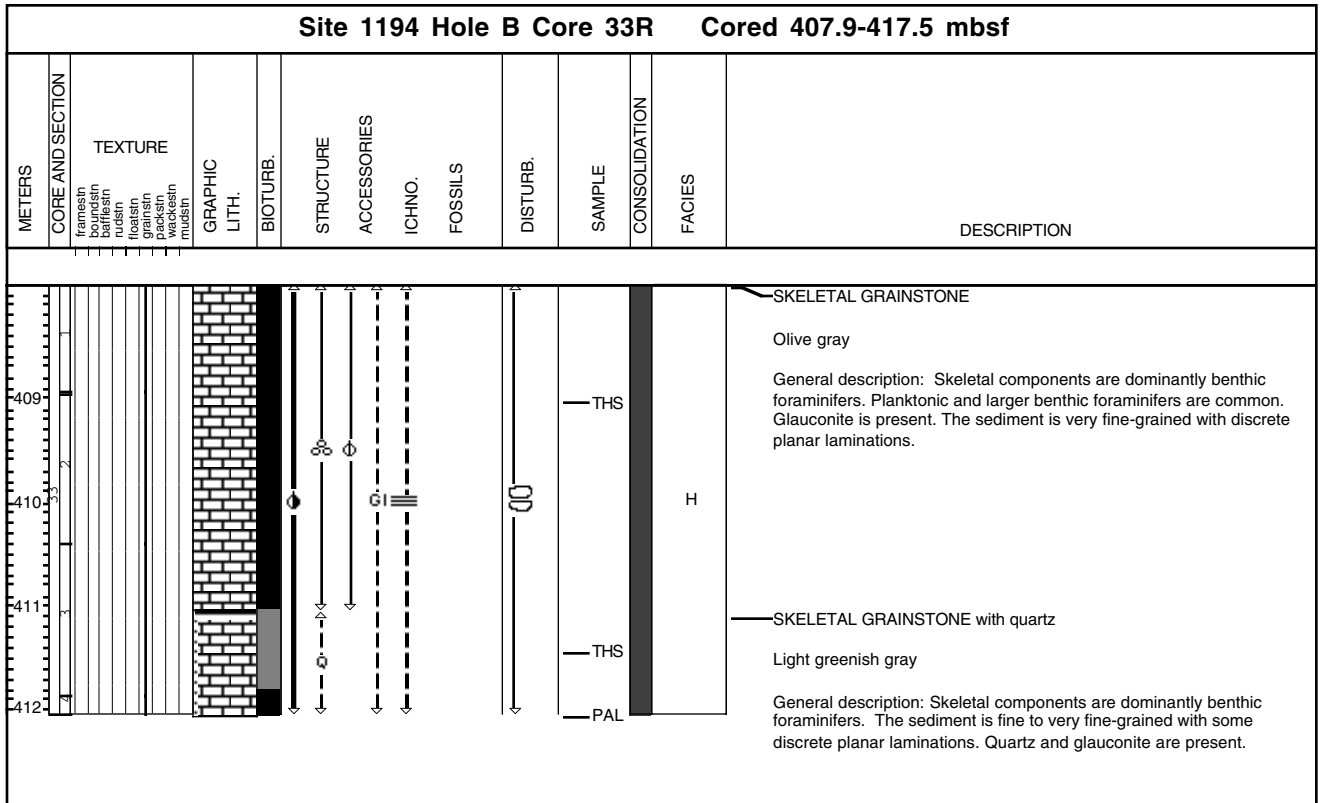
Core Photo



Core Photo

Site 1194 Hole B Core 32R Cored 398.4-407.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
399 400	32											H	<p>SKELETAL GRAINSTONE</p> <p>Pale yellow</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with minor larger bioclasts (echinoderm fragments?). Alternating lighter and darker layers reflect varying glauconite content. Abundant burrows (0.5-1 cm) are present, but some zones preserve sedimentary laminations.</p>
										IW		H	
										PAL			

Core Photo



Site 1194 Smear Slides																							
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Texture			Mineral							Biogenic							Comments
						Sand	Silt	Clay	Calcite	Dolomite	Glauconite	Muscovite	Pyrite	Quartz	Benthic Forams	Calcspheres	Coccolith	Discoaster	Echinoid	Echinoid Spine	Planktonic Forams		
1194A																							
1	H	3	64	3.64	D	*	P	D	0	0	0	0	0	0	P	0	D	P	0	P	P		
1	H	3	132	4.32	D	0	P	D	0	0	0	0	0	P	0	0	D	P	0	0	D		
3	H	3	125	18.45	M	C	D	A	0	0	0	0	D	P	P	0	D	P	0	0	A		
3	H	4	131	20.01	D	C	D	A	0	0	0	0	0	P	P	0	D	P	0	0	A		
4	H	5	80	30.5	D	C	A	P	0	C	0	C	0	0	P	0	D	P	P	0	P		
5	H	1	90	34.1	D	C	C	P	0	A	0	C	C	R	R	0	D	P	P	R	C		
6	H	1	70	43.4	D	A	C	P	0	R	0	P	0	R	C	0	D	P	P	0	A		
7	H	4	20	56.9	M	A	A	P	0	*	0	P	0	0	C	0	D	P	R	0	A		
7	H	4	80	57.5	D	A	C	P	0	*	0	P	P	0	C	0	D	P	0	0	A		
8	H	4	80	67	D	A	C	P	0	0	0	P	C	*	C	0	D	P	*	0	A		
9	H	3	90	75.1	D	C	C	P	0	0	0	P	C	*	C	0	D	P	0	0	A		
11	H	5	111	97.31	D	P	C	D	0	0	0	R	0	0	0	0	D	A	0	0	C		

