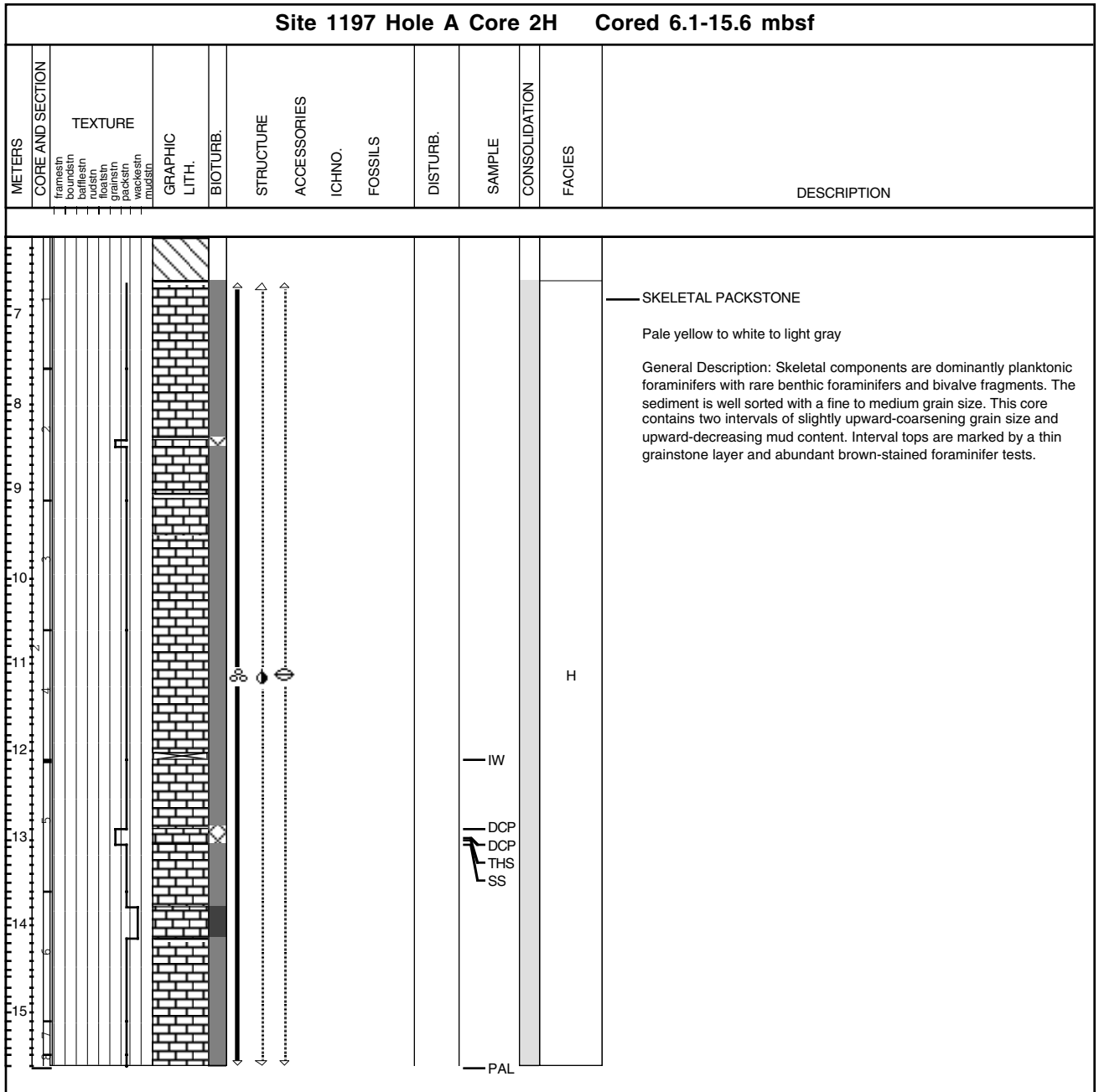


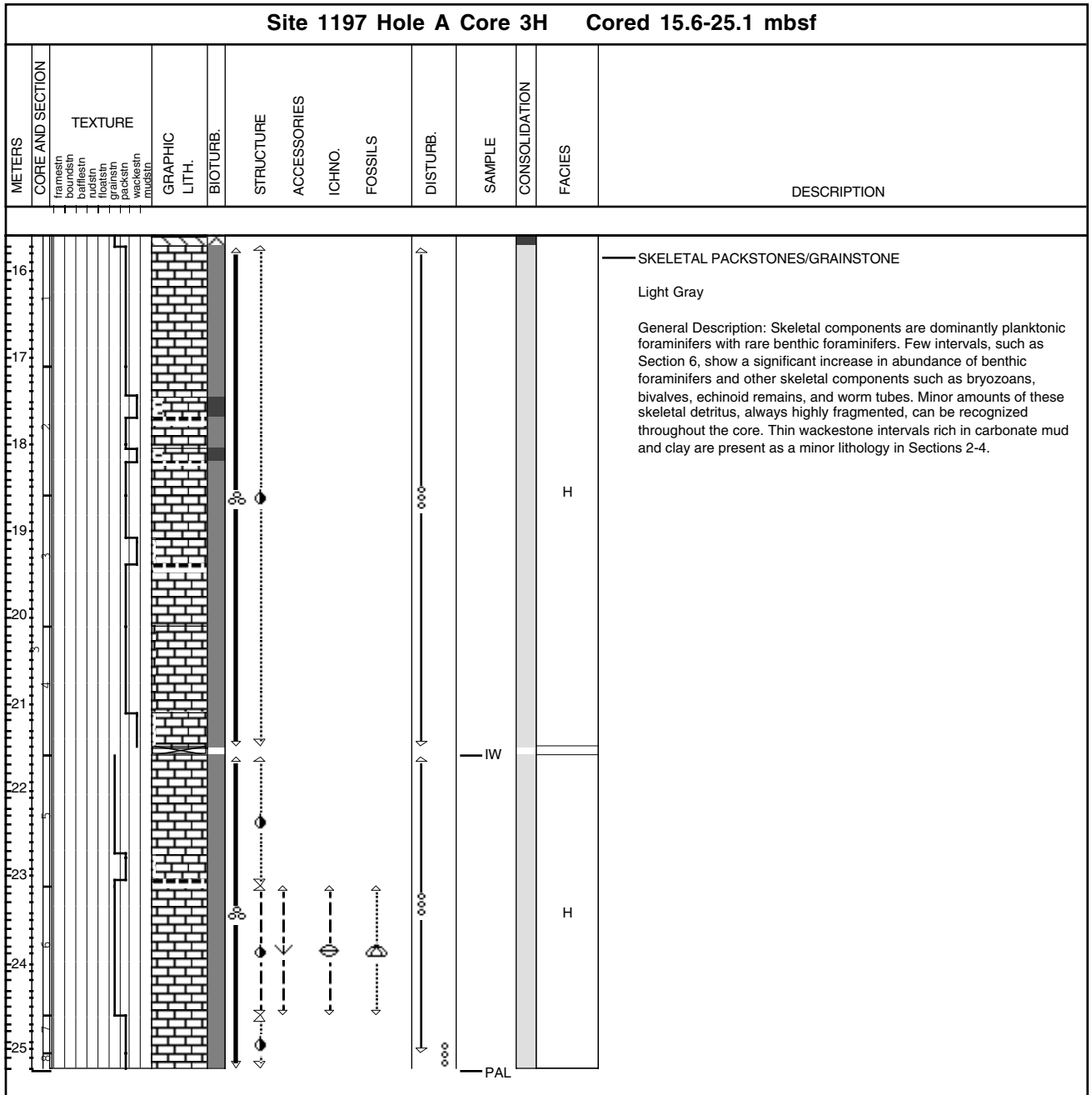
Core Photo

Site 1197 Hole A Core 1H Cored 0.0-6.1 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
0.0													
0.1													
0.2													
0.3													
0.4													
0.5													
0.6													
													<p>— SKELETAL PACKSTONE</p> <p>Pale yellow to white</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with rare benthic foraminifers and bivalve fragments. The sediment is well sorted with a fine to medium-grain size. This core contains three intervals of slightly upward-coarsening grain size and upward-decreasing mud content. Intervals tops, at 0.00, 0.80, and 2.38 mbsf, are marked by abundant brown-stained foraminifer tests.</p>

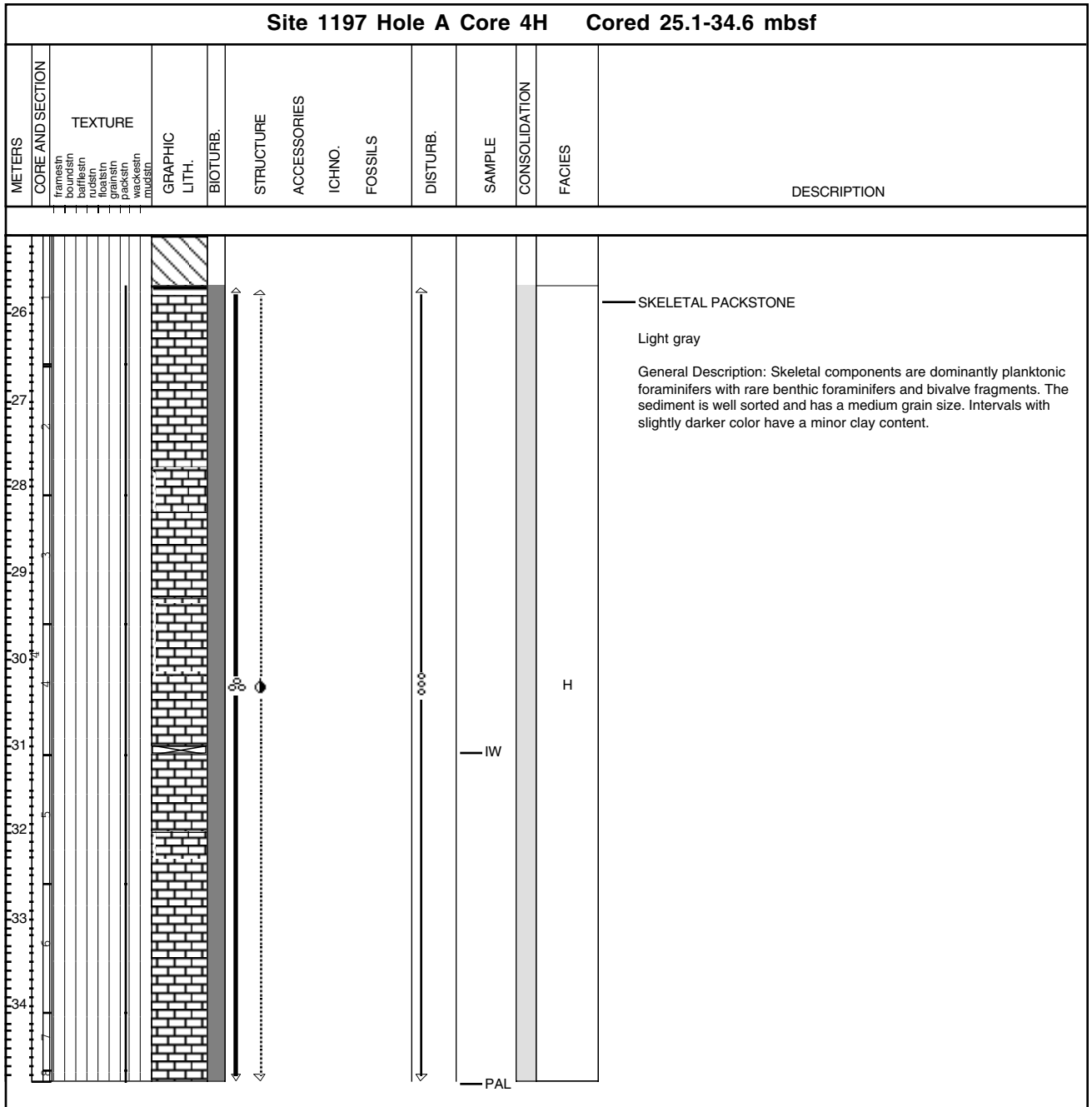
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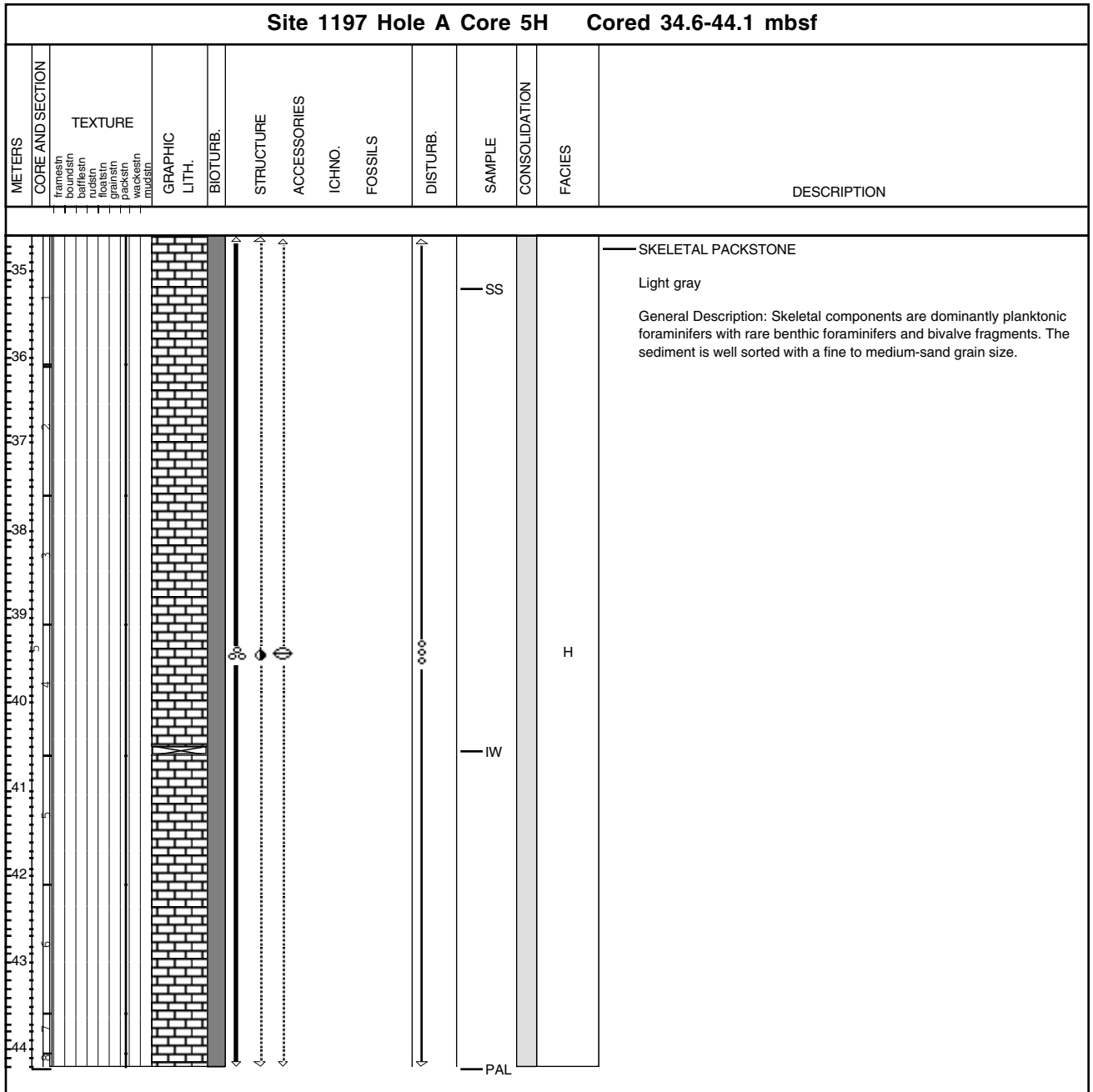
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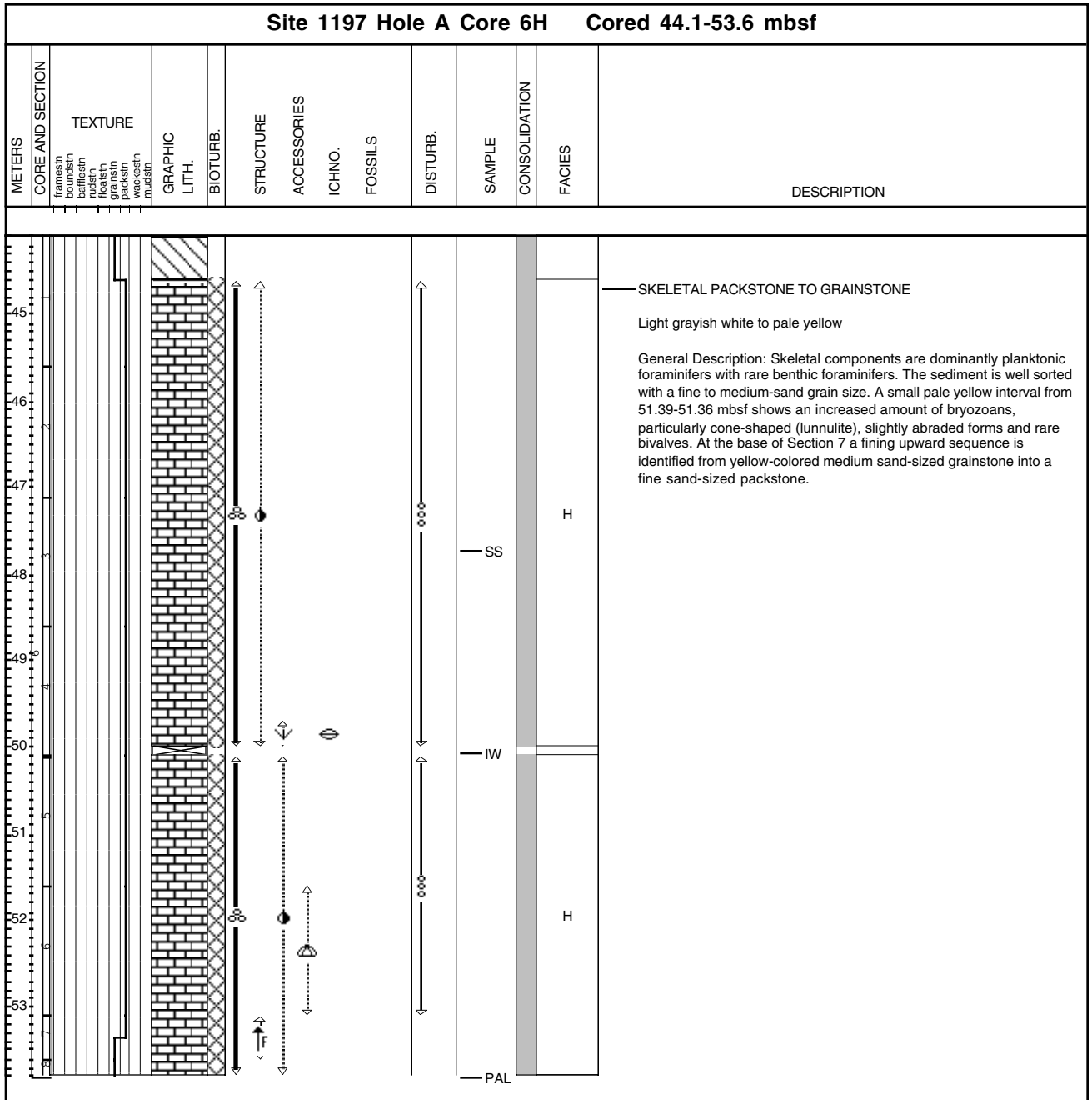
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Core Photo



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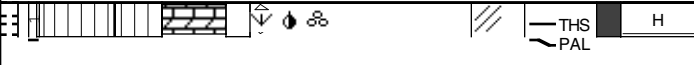



Core Photo

Site 1197 Hole A Core 7H Cored 53.6-54.6 mbsf											
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE CONSOLIDATION FACIES	DESCRIPTION
54	framesin spongin bafflesin rudisin floatsin grainsin packsin wridgesin mudballin										<p>— SKELETAL GRAINSTONE TO PACKSTONE</p> <p>Pale yellow to white</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers. Benthic foraminifers are common, and bivalve fragments and echinoid spines are present. The grains are medium to fine sand-sized and well to moderately sorted.</p>

1197A-8X NO RECOVERY

Core Photo

Site 1197 Hole A Core 9X Cored 59.6-69.2 mbsf										
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	DESCRIPTION
	framesin bedrocksin mudsin floatsin grainsin packsin mudsin									<p>  </p> <p>  SKELETAL GRAINSTONE </p> <p>Pale yellow with reddish-brow stains</p> <p>General Description: Skeletal components are dominantly recrystallized, well-rounded and cemented planktonic and benthic foraminifers. Bryozoan fragments are present. Some bioclast are red-stained (by iron oxides). The sediment is medium to fine sand-sized and well sorted. This lithology shows a high porosity, mainly intergranular, but also some moldic porosity. The entire lithology is slightly dolomitized.</p>

Core Photo

Site 1197 Hole A Core 10X Cored 69.2-78.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin bedrocksin mudsin floatsin grainsin packsin mudsin												<p>SKELETAL GRAINSTONE (WASH-IN)</p> <p>Pinkish white</p> <p>Description: Very fine sand grainstones with planktonic foraminifers dominating the lithology, which is unconsolidated and tightly packed. A small interval of brown through red-colored granule and coarse sand particles occurs at the base, including 'oxidized' larger benthic foraminifers, bryozoan and bivalve fragments, grainstone lithoclasts and blackened 'phosphatized' lithoclasts. Overall this lithology is believed to be a wash-in from the seafloor and overlying series of unconsolidated foraminifer grainstone sands.</p> <p>WASH IN</p> <p>White</p> <p>General Description: This lithology consists of white carbonate silts and fine sands. This unit is compacted with a chalky appearance probably as a consequence of drilling disturbance. Small fragments of white packstone to grainstone lithologies can be extracted from the wash-in, which contains predominantly planktonic foraminifers. A smear slide from this lithology contains abundant, well-crystalized dolomite rhombs and, and very fine silty carbonate detritus. No nanfossils were recognized within this lithology.</p>

- 1197A-11X ENTIRE CORE TO PALEONTOLOGISTS
- 1197A-12X NO RECOVERY
- 1197A-13X NO RECOVERY
- 1197A-14X NO RECOVERY
- 1197A-15X NO RECOVERY
- 1197A-16X NO RECOVERY

Core Photo

Site 1197 Hole A Core 17X										Cored 136.6-146.2 mbsf			
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
													<p>DOLOMITIZED SKELETAL GRAINSTONE</p> <p>Pale yellow</p> <p>General Description: Skeletal components are dominantly larger benthic foraminifers. Bryozoan, coralline algae fragments and bivalve debris are present. Planktonic foraminifers are also present. Most of the grains are abraded and have been recrystallized. The porosity is high, mostly interparticle, but a moldic porosity is also present. Very fine sand-sized dolomite crystals are abundant.</p>

- 1197A-18X NO RECOVERY
- 1197A-19X NO RECOVERY
- 1197A-20X ENTIRE CORE TO PALEONTOLOGISTS
- 1197A-21X NO RECOVERY
- 1197A-22X NO RECOVERY
- 1197A-23X NO RECOVERY

Core Photo

1197B-1R NO RECOVERY

Site 1197 Hole B Core 2R Cored 59.6-69.2 mbsf										
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	DESCRIPTION
60	framesin burrows bafflesin rudisin floatsin grainsin packsin microsin mudasin									<p>SKELETAL PACKSTONE TO GRAINSTONE</p> <p>Yellowish brown to brownish yellow</p> <p>General Description: Skeletal components are dominantly planktonic and small benthic foraminifers with rare mollusks. Large benthic foraminifers are present. At the top of this section, black-colored, phosphatic, 3-4 mm thick layers are found. Planktonic foraminiferal packstone infills burrows (fissure) in the upper part. This interval seems to be well-cemented and blade-shaped cements infills moldic and intraparticle pores. Brownish and reddish colors suggest an early stage of weathering. HCl test suggests slight dolomitization. This is interpreted as a hardground.</p> <p>SKELETAL GRAINSTONE</p> <p>Yellow to white</p> <p>General Description: Skeletal components are dominantly fine to medium sand-sized, unidentifiable skeletal fragments. Planktonic foraminifers and large benthic foraminifers are present in this interval. Yellowish color suggests an early stage of weathering. Lithology seems to be slightly dolomitized.</p>

1197B-3R ENTIRE CORE TO PALEONTOLOGISTS

1197B-4R NO RECOVERY

1197B-5R ENTIRE CORE TO PALEONTOLOGISTS

Core Photo

Site 1197 Hole B Core 6R Cored 98.2-107.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
		framesin bohrasin ludasin floatsin grainsin packsin framesin mudsin											<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>White</p> <p>General Description: Skeletal components are dominantly benthic foraminifers with large benthic foraminifers being abundant.</p>

1197B-7R NO RECOVERY

1197B-8R ENTIRE CORE TO PALEONTOLOGISTS

Core Photo

Site 1197 Hole B Core 9R Cored 127.0-136.6 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURE.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin boundsin bafflesin rudsin floatsin packsin wackesin mudsin												<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>White</p> <p>General Description: Skeletal components are dominantly large benthic foraminifers with small benthic foraminifers being common. The matrix is recrystallized into coarse dolomite rendering the identification of the texture difficult.</p>

- 1197B-10R NO RECOVERY
- 1197B-11R ENTIRE CORE TO PALEONTOLOGISTS
- 1197B-12R ENTIRE CORE TO PALEONTOLOGISTS
- 1197B-13R ENTIRE CORE TO PALEONTOLOGISTS

Core Photo

Site 1197 Hole B Core 14R Cored 175.0-184.6 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin boundstin baflesstin rudstin horatstin parksin wackestin rudstin												<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>White</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers with larger and smaller benthic foraminifers present. Bryozoan, coralline algae, and glauconite grains are rare. The rock has a medium to coarse grain-size and displays some discrete planar laminations.</p>

Core Photo

Site 1197 Hole B Core 15R Cored 184.6-194.2 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
185													<p>DOLOMITIC SKELETAL PACKSTONE/GRAINSTONE</p> <p>Light gray</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers, common small benthic foraminifers, and larger benthic foraminifers. Bryozoan and coralline algae are rare. The sediment is well-sorted and has a fine grain-size. Larger benthic foraminifers are aligned to form planar laminations.</p>

Core Photo

Site 1197 Hole B Core 16R										Cored 194.2-203.8 mbsf			
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
													<p>SKELETAL GRAINSTONE</p> <p>White</p> <p>General Description: Skeletal components are dominantly larger benthic foraminifers, with small benthic foraminifers and planktonic foraminifers present. Coralline algae are rare. Unidentifiable silt-sized skeletal fragments are abundant. The sediment displays a bimodal sorting with a very coarse to fine sand-size.</p>

Core Photo

Site 1197 Hole B Core 17R Cored 203.8-213.4 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
204													<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>White</p> <p>General Description: Skeletal components are dominantly large benthic foraminifers with small benthic and planktonic foraminifers present, and rare coralline algae, bryozoan, bivalve and echinoid fragments. The sediment has a bimodal sorting with a coarse to medium grain-size and shows some planar laminations.</p>

Core Photo

Site 1197 Hole B Core 18R Cored 213.4-223.0 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
		framieshn bedfieshn mudsln floatesln grainsln packsln mudsln											DOLOMITIC SKELETAL GRAINSTONE White General Description: Skeletal components are dominantly benthic foraminifers, unidentified skeletal fragments, planktonic foraminifers, and rare bryozoan and bivalve fragments.

Core Photo

Site 1197 Hole B Core 19R Cored 223.0-232.7 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin boundsin bafflestin rudstin floatsin partisin packsin wackesin mudstin												<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>White to very light gray</p> <p>General Description: Skeletal components are common benthic foraminifers, unidentified skeletal fragments, and rare planktonic foraminifers. Glauconite is present.</p>

Core Photo

Site 1197 Hole B Core 20R Cored 232.7-242.3 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
233	framesin boundsin bafflesin rudsin flotasin packsin wackesin mudsln												<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>White to light gray</p> <p>General Description: Skeletal components are common benthic foraminifers with rare planktonic foraminifers, unidentified skeletal fragments, and bryozoans. Rare burrows 1.2 mm in size are present. Darker color in lower part of core results from glauconite grains (3-5%). Dolomite occurs mainly as cement.</p>

Core Photo

METERS		Site 1197 Hole B Core 21R Cored 242.3-251.9 mbsf										
CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin boundsin ragsin floatsin grainsin packsin mudsin											<p>DOLOMITIC SKELETAL GRAINSTONE</p> <p>Light gray</p> <p>General Description: Skeletal components are common benthic foraminifers with rare planktonic foraminifers, unidentified skeletal fragments, and bryozoans. Rare burrows 1-2 mm in size are present. Glauconitized grains are present, as well as glauconitized tests. Dolomite occurs mainly in the matrix.</p>

Core Photo

Site 1197 Hole B Core 22R Cored 251.9-261.5 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
252													<p>DOLOMITIC SKELETAL GRAINSTONE TO PACKSTONE</p> <p>Light gray</p> <p>General Description: Skeletal components are common larger benthic foraminifers in a well sorted, fine-grained matrix consisting of unidentified skeletal fragments, common planktonic and benthic foraminifers, and rare bryozoans. Rare burrows 1-2 mm in size are present. Glauconitized tests are present. Fabric selective dolomite occurs mainly as cement or matrix replacement.</p>

Core Photo

Site 1197 Hole B Core 23R Cored 261.5-271.2 mbsf										
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	DESCRIPTION
		framesin bedin rudin floatin grainin packin mudin								<p>DOLOMITIC SKELETAL GRAINSTONE TO PACKSTONE</p> <p>Light gray to pale olive</p> <p>General Description: Skeletal components are dominantly well sorted, very fine-grained unidentified skeletal fragments with planktonic and benthic foraminifers present. Microcrystalline dolomite occurs in the matrix.</p>

Core Photo

Site 1197 Hole B Core 24R Cored 271.2-280.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
		framesin belemnite rudston floatsin grainsin packsin rudston mudsin											<p>SKELETAL GRAINSTONE</p> <p>Light gray</p> <p>General Description: Skeletal components are dominantly fine-grained planktonic foraminifers with benthic foraminifers and unidentified skeletal fragments present, and very rare echinoid spines. Dolomite is present.</p>

Core Photo

Site 1197 Hole B Core 25R Cored 280.8-290.4 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
281													
282													

1197B-26R NO RECOVERY

Core Photo

Site 1197 Hole B Core 27R Cored 300.0-309.7 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin boundsin bafflesin rudsin floatsin packsin wackesin mudsin												<p>SKELETAL GRAINSTONE/PACKSTONE</p> <p>Light gray</p> <p>General Description: Skeletal components are dominantly unidentified skeletal fragments, planktonic foraminifers, and rare larger benthic foraminifers (Lepidocyclina). This lithology is a fine-grained, well-sorted, slightly dolomitic rock. Glauconite is present.</p>

Core Photo

Site 1197 Hole B Core 29R Cored 319.3-328.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
320	29											H	<p>DOLOMITIC SILT-SIZED GRAINSTONE with clay</p> <p>Pale olive to light gray</p> <p>General Description: Skeletal components are dominantly unidentifiable silt to very fine sand-sized grains with planktonic foraminifers and rare large benthic foraminifers. This interval is slightly dolomitized and contains minor glauconite infilling foraminifer chambers.</p>
321	29											PAL	<p>DOLOMITIC SKELETAL GRAINSTONE with clay</p> <p>Pale olive to light gray</p> <p>General Description: Skeletal components are dominantly unidentifiable silt to very fine sand-sized grains with minor planktonic foraminifers and larger benthic foraminifers. This interval is slightly dolomitized and contains glauconite infilling skeletons.</p>

Core Photo

Site 1197 Hole B Core 30R Cored 328.9-338.6 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
	framesin bourroisin baflestin rudisin foalstin parksin wackesin mudisin												<p>DOLOMITIC SILT-SIZED GRAINSTONE/SKELETAL GRAINSTONE</p> <p>White to light gray</p> <p>General Description: The sediment dominantly consists of fine-grained skeletal detritus. Some grains can be identified, with planktonic and benthic foraminifers common, and rare bryozoan fragments. The sediment is silt- to fine sand-sized, and well sorted. Pyrite grains can be found as traces. Porosity is high, mostly interskeletal/particular, and some moldic porosity occurs. The grains are largely recrystallized and cemented, and probably also partly dolomitized. The grade of dolomitization increases downcore.</p>

Core Photo

Site 1197 Hole B Core 31R Cored 338.6-348.2 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
339	3.1									THS			<p>DOLOMITIC SILT-SIZED PACKSTONE</p> <p>Light gray</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers. All other skeletal components are abraded and recrystallized to silt-size. The lithology is mottled with pyrite black stains within burrows.</p>
340	2									THS PAL			<p>DOLOMITIC SKELETAL GRAINSTONE with clay</p> <p>White</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers. Other components are too abraded to be identified. Glauconite is common.</p>

Core Photo

Site 1197 Hole B Core 32R Cored 348.2-357.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
349													<p>SILT-SIZED GRAINSTONE/SKELETAL GRAINSTONE</p> <p>Light gray</p> <p>General Description: Most of grains are broken and rounded skeletal fragments in silt to fine sand size. This interval includes slit to very fine sand-sized grainstone in upper 22 cm and shows fining upward trend. Planktonic foraminifers are rare. The interval between 348.75-408 mbsf is highly fragmented and includes coarse-grained pieces, which contain larger benthic foraminifers (common) and glauconite</p> <p>SKELETAL GRAINSTONE</p> <p>Light gray to light greenish gray</p> <p>General Description: Skeletal components are dominantly larger benthic foraminifers. Larger benthic foraminifers increase downward from rare to abundant following a coarsening trend. Rare planktonic foraminifers and thin bivalve shells are found. Glauconite abundance increases downward following coarsening trend. Most of the glauconite infills tests.</p>

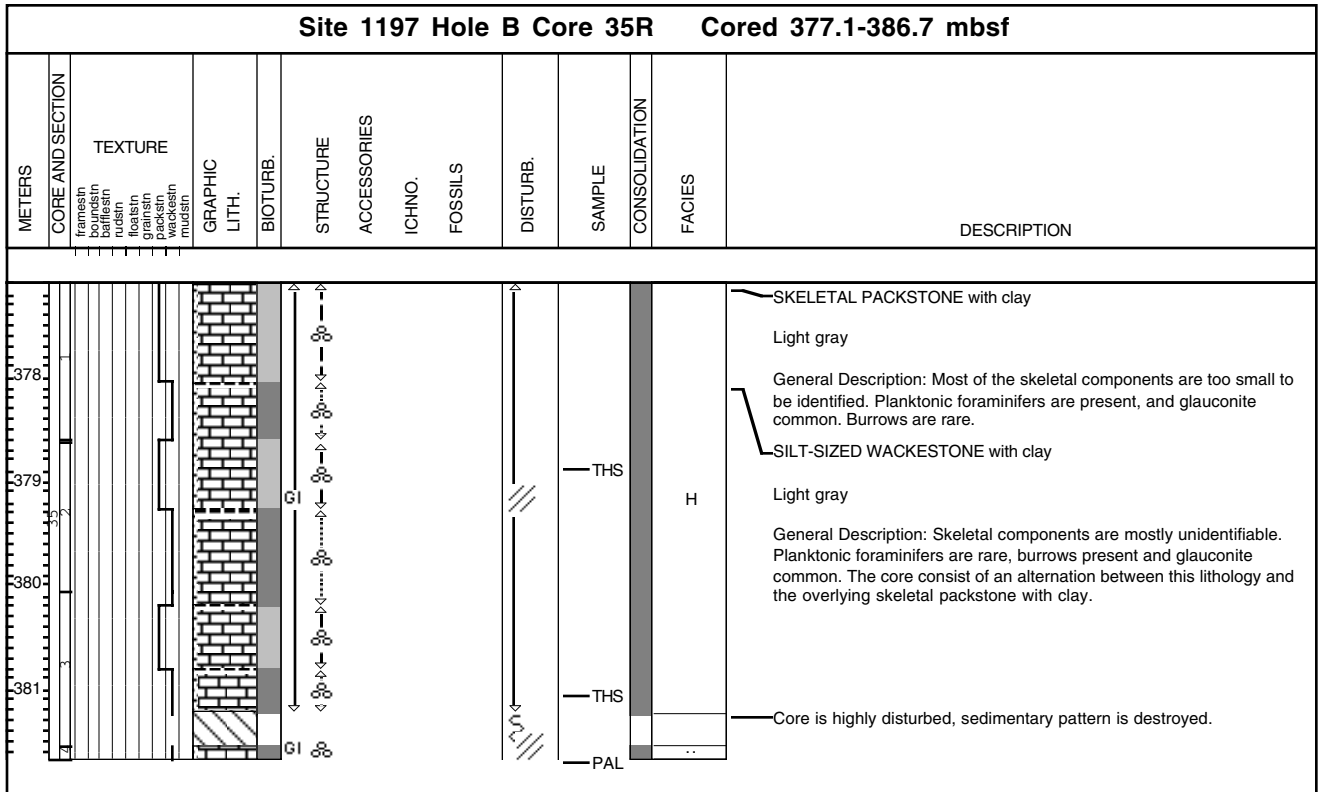
Core Photo

Site 1197 Hole B Core 33R Cored 357.8-367.4 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
358													<p>SKELETAL GRAINSTONE</p> <p>Pale yellow</p> <p>General Description: Skeletal components are dominantly larger foraminifers (<i>Lepidocyclina</i> up to 20%). Many are partially infilled by glauconite. Small benthic foraminifers are present, and planktonic foraminifers are rare. Coarser (2-4 mm) bioclastic detritus includes fragments of bryozoans (up to 5%) and very rare skeletal fragments of coralline algae. Small (up to 8 mm) mud-filled clasts are actually the internal molds of gastropods. Most of the skeletal grains are too small to be identified. This is a coarse to very coarse sand-sized grainstone.</p>
													<p>SKELETAL PACKSTONE/GRAINSTONE</p> <p>Pale yellow</p> <p>General Description: Skeletal components are dominantly benthic foraminifers (<i>Nodosarians</i>), planktonic foraminifers, and fragments of larger benthic foraminifers. Particles are in the very fine-grained sand category and are partially recrystallized or overgrown by cements, so that most skeletal fragments are unidentifiable.</p>

Core Photo

Site 1197 Hole B Core 34R Cored 367.4-377.1 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
368													<p>SKELETAL GRAINSTONE/PACKSTONE</p> <p>Light greenish gray</p> <p>General Description: This moderately bioturbated, well sorted sediment contains abundant small, unidentified skeletal fragments, common planktonic foraminifers, present larger benthic foraminifers and glauconite as well as rare clay.</p>

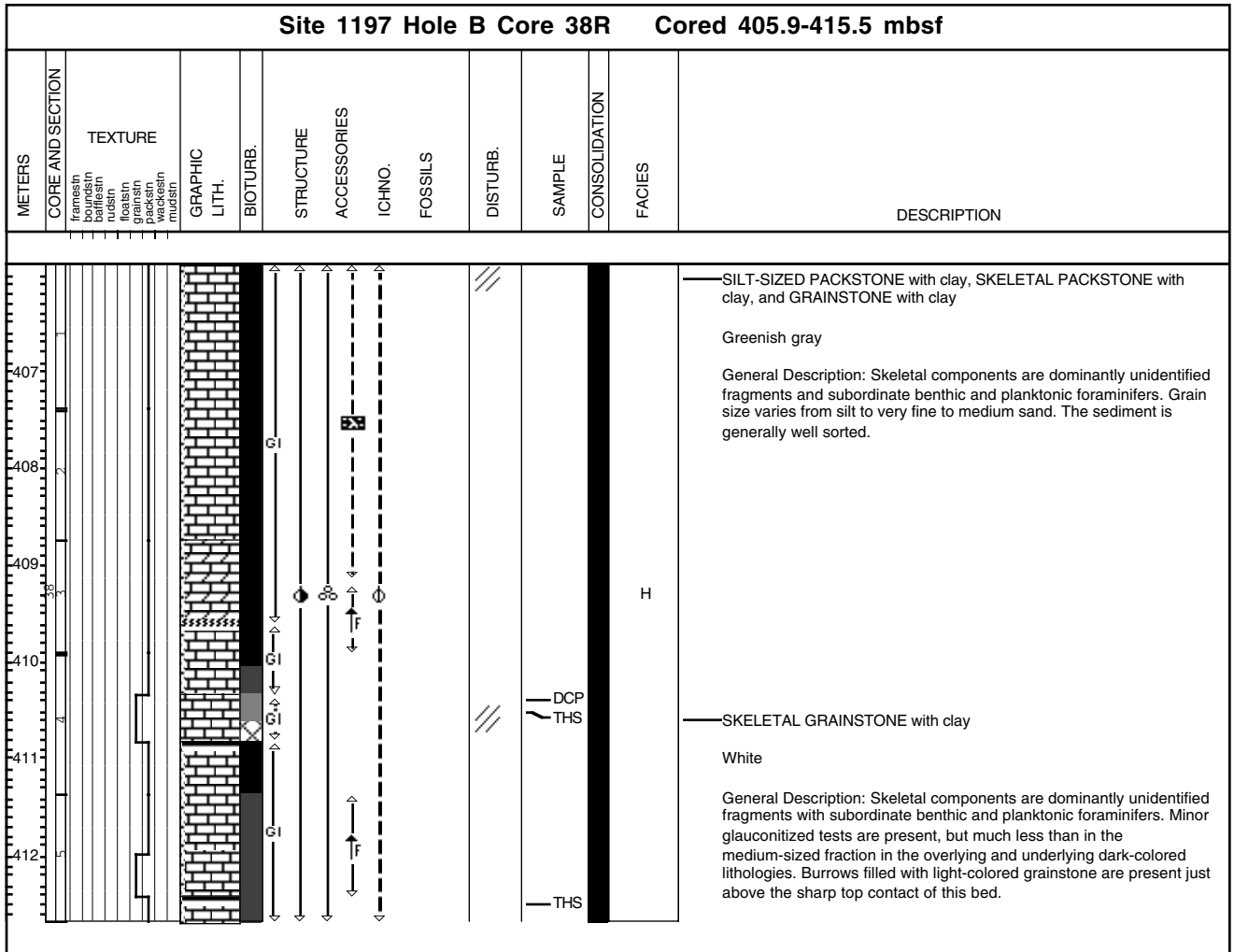
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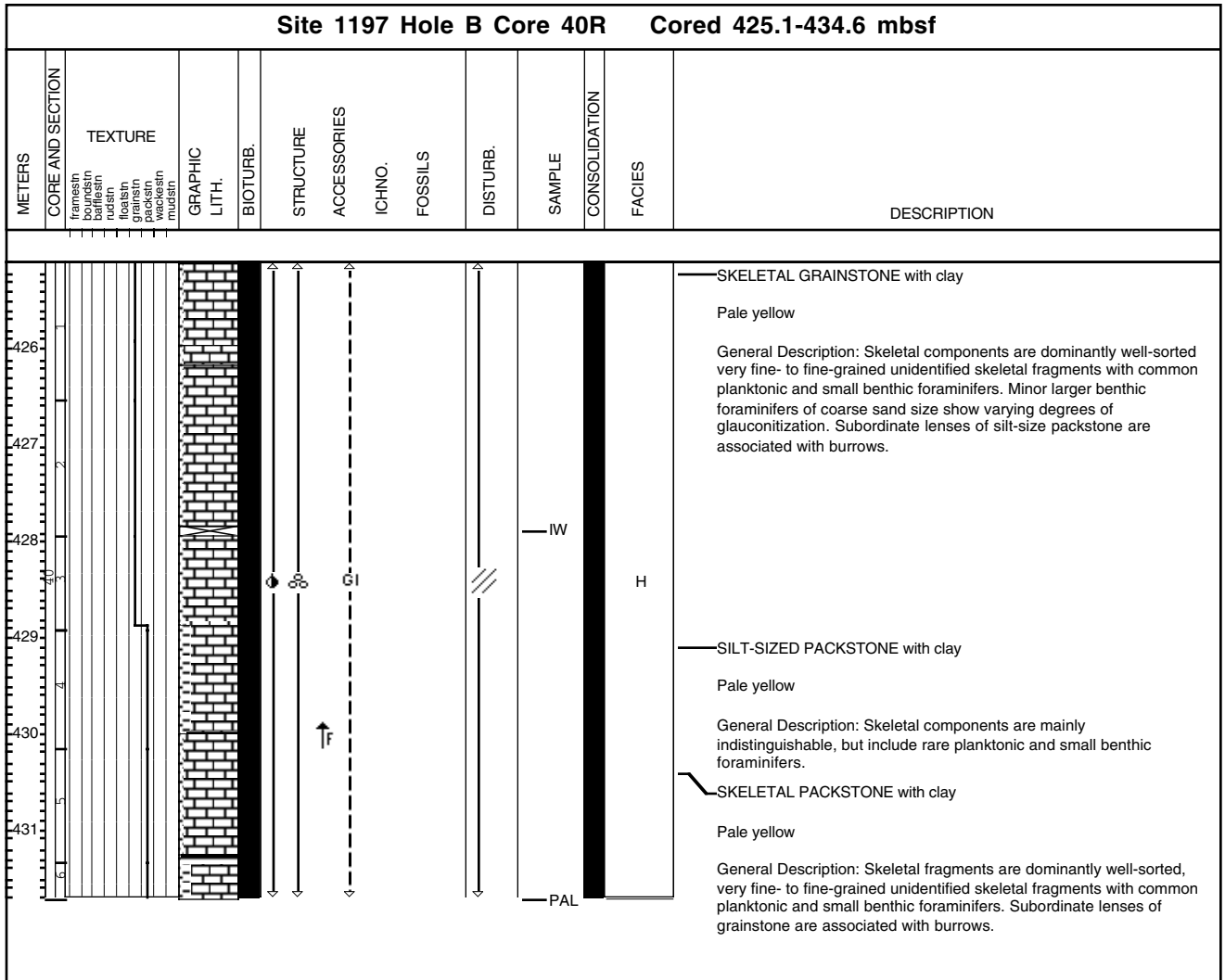
Core Photo

Site 1197 Hole B Core 37R Cored 396.3-405.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
397	37									THS DCP		H	<p>— SKELETAL GRAINSTONE</p> <p>Light gray to light olive gray</p> <p>General Description: Skeletal components are dominantly larger benthic foraminifers with large elongate individuals attaining a size of 5 mm. Both whole and fragmented larger foraminifers including elongate Operculinids and broader Lepidocyclinids are present. Smaller benthic foraminifers and planktonic foraminifers are present, as well as skeletal fragments of bryozoans and rare coralline algae from a neritic source. Many fine skeletal particles remain unidentifiable. Glauconite is present, commonly as infills of foraminifer chambers. Positive grading trends and parallel laminations are frequent in the grainstone intervals, and 3 main fining-upwards units can be recognized.</p>
398	2									THS			<p>— SILT-SIZED SKELETAL PACKSTONE with clay</p> <p>Light gray</p> <p>General Description: Skeletal components are dominantly planktonic foraminifers. Small benthic foraminifers are common (although only around 20% of skeletal grains are identifiable). Burrows, typically 2-5 mm in diameter, are abundant throughout, including some with coarse grainstone fabric fills, and also mud-filled burrows of Chondrites that are common between 398.1 to 398.3 mbsf. Glauconite is rare and pyrite/celestite nodules are also occasionally observed, associated with burrows.</p>

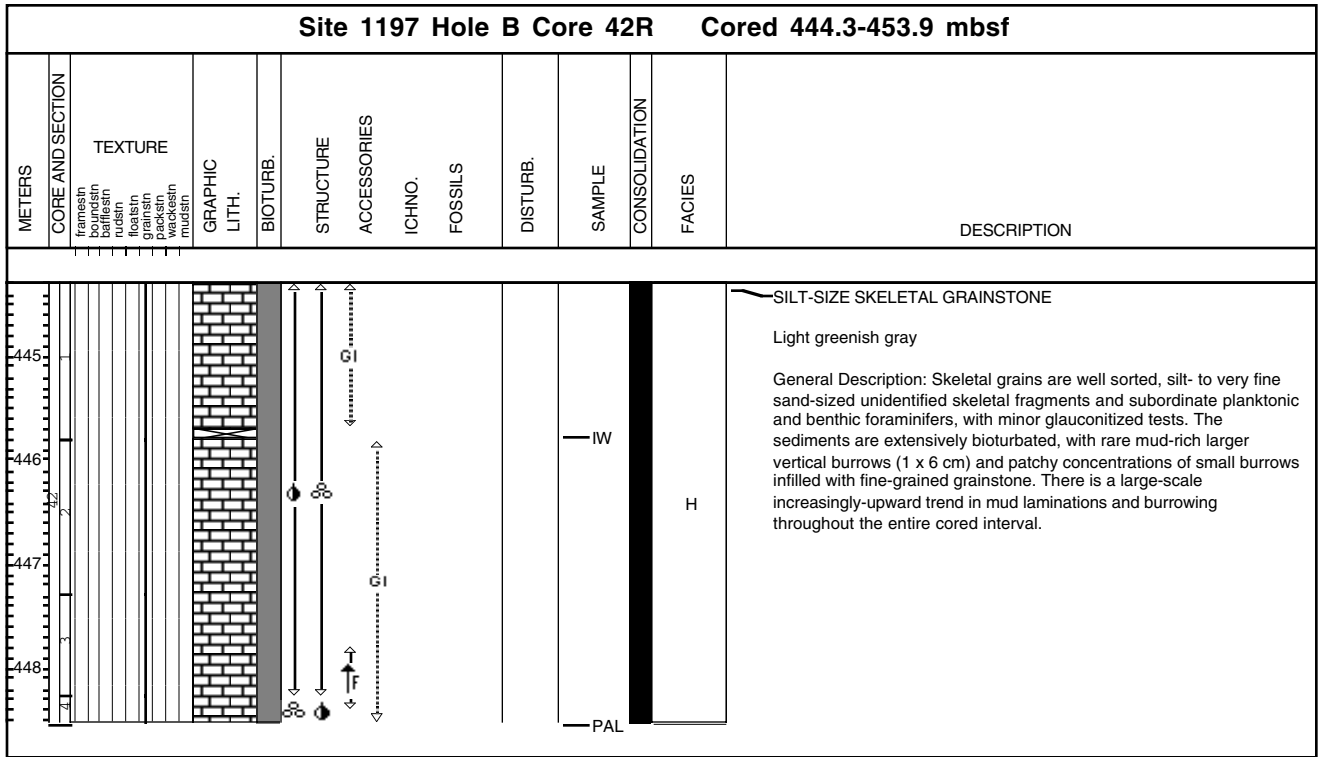
Core Photo



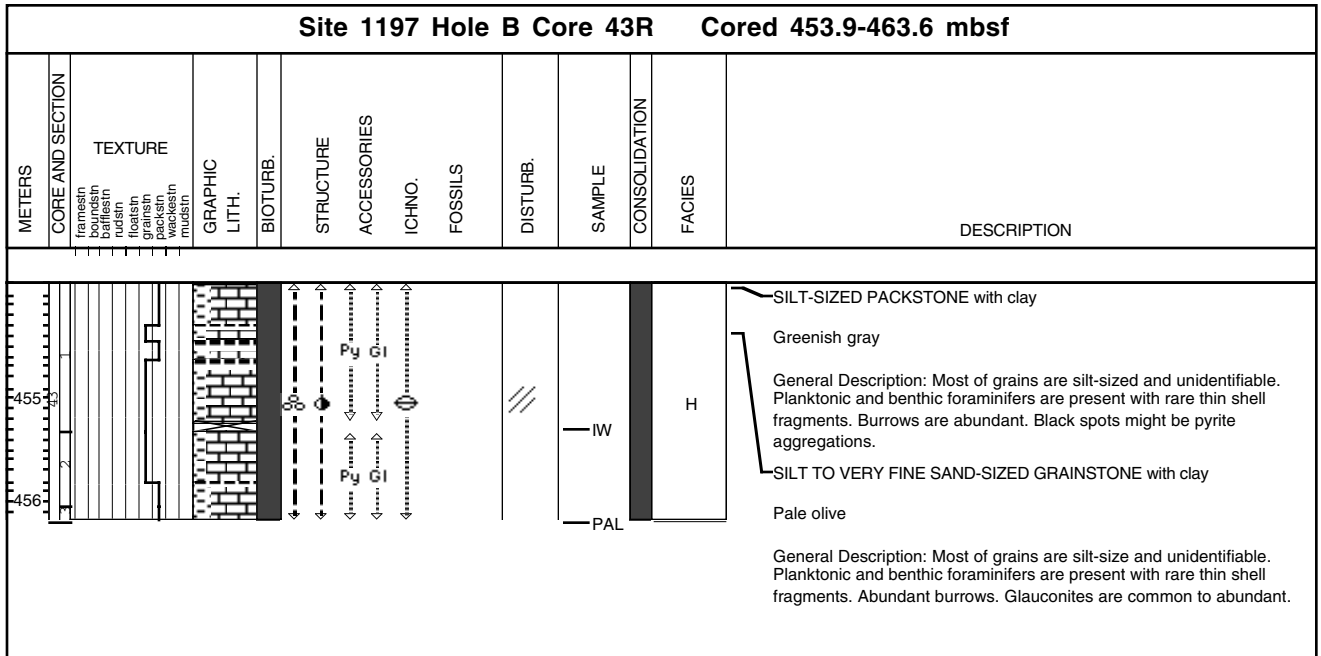
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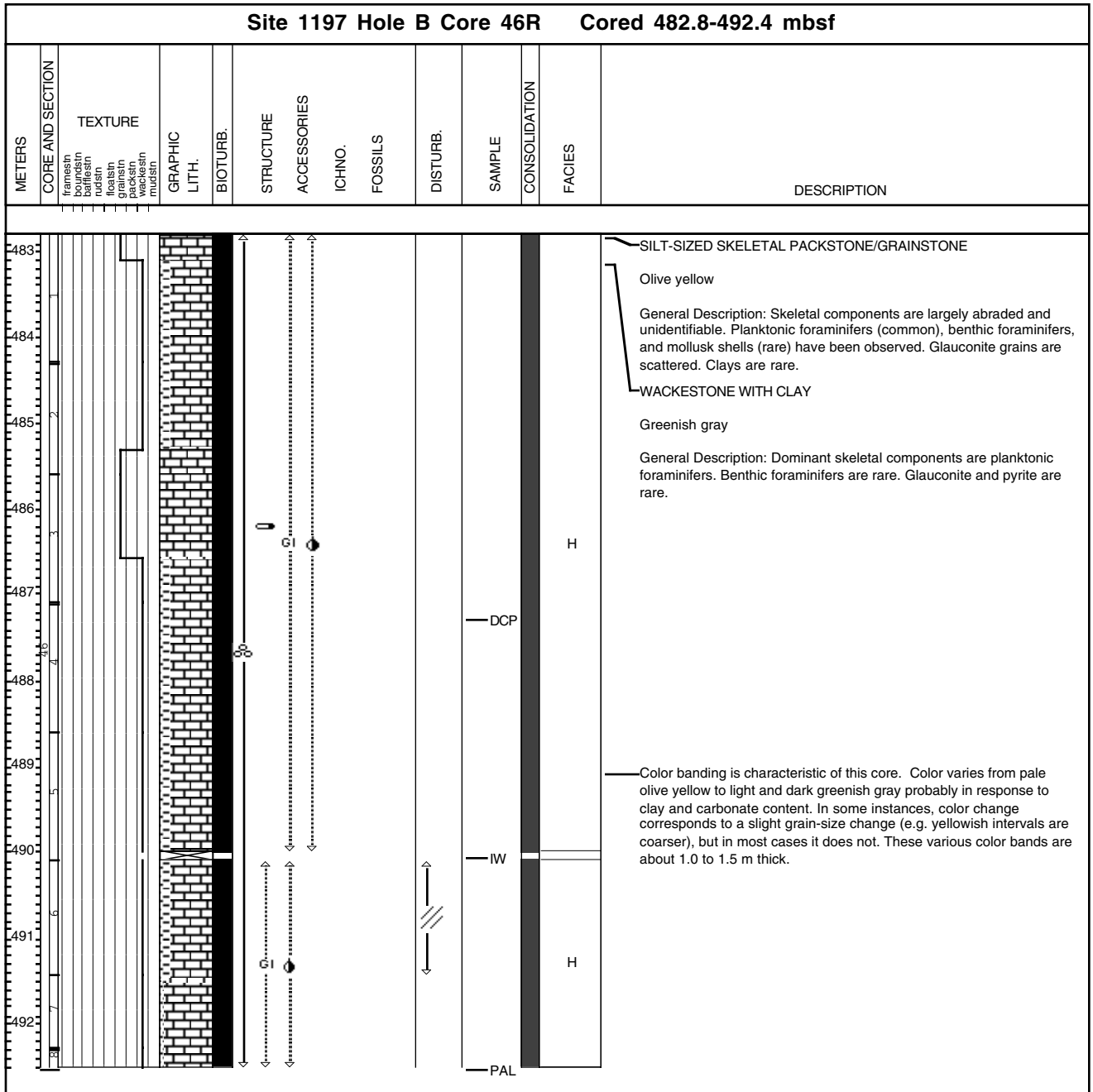
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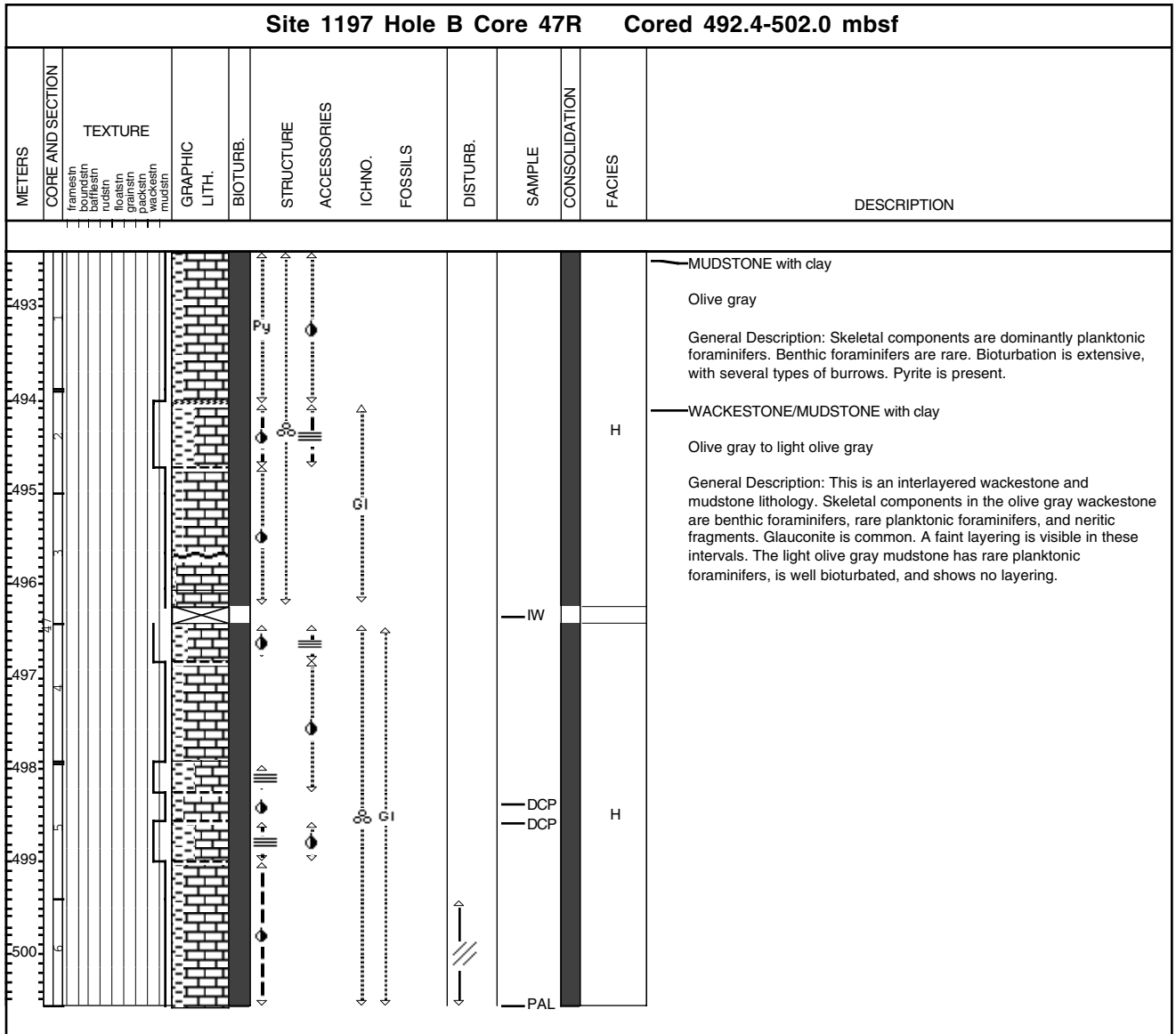
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Site 1197 Hole B Core 45R Cored 473.2-482.8 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
474.1													
475.1													
476.1													
477.1													
478.1													
479.1													
480.1													
481.1													
482.1													
SILT-SIZED GRAINSTONE/PACKSTONE with clay Light greenish gray to olive gray General Description: Skeletal components are dominantly planktonic and benthic foraminifers. Glauconite is rare. Burrows are obvious in the muddy intervals. Slight color changes suggest variations of clay contents, resulting in textural changes. Intervals from 474.8 to 475.5 mbsf and from 482.2 to 482.8 mbsf are obviously darker and finer as wackestone. A scoured surface is observed at 479 mbsf.													

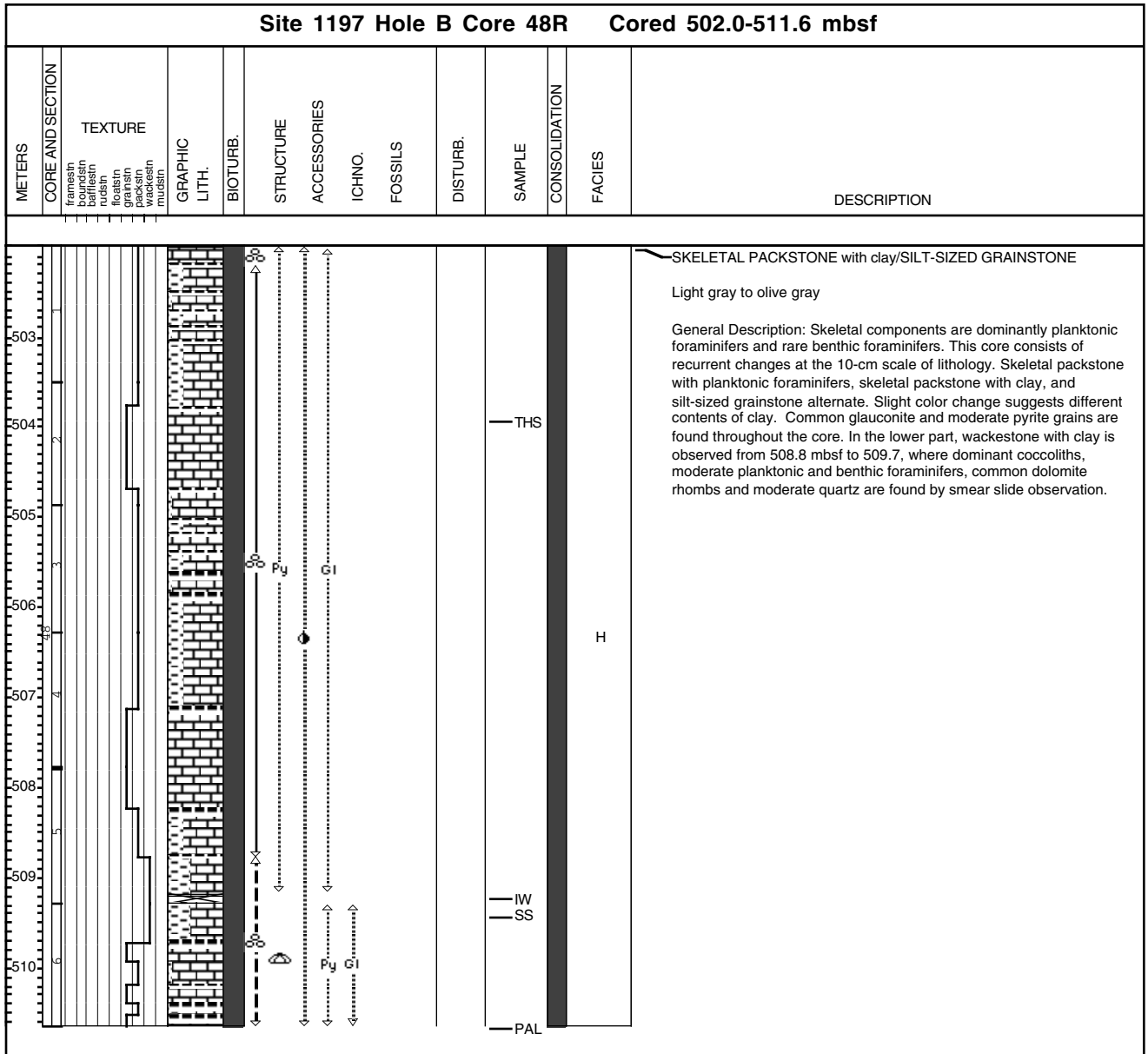
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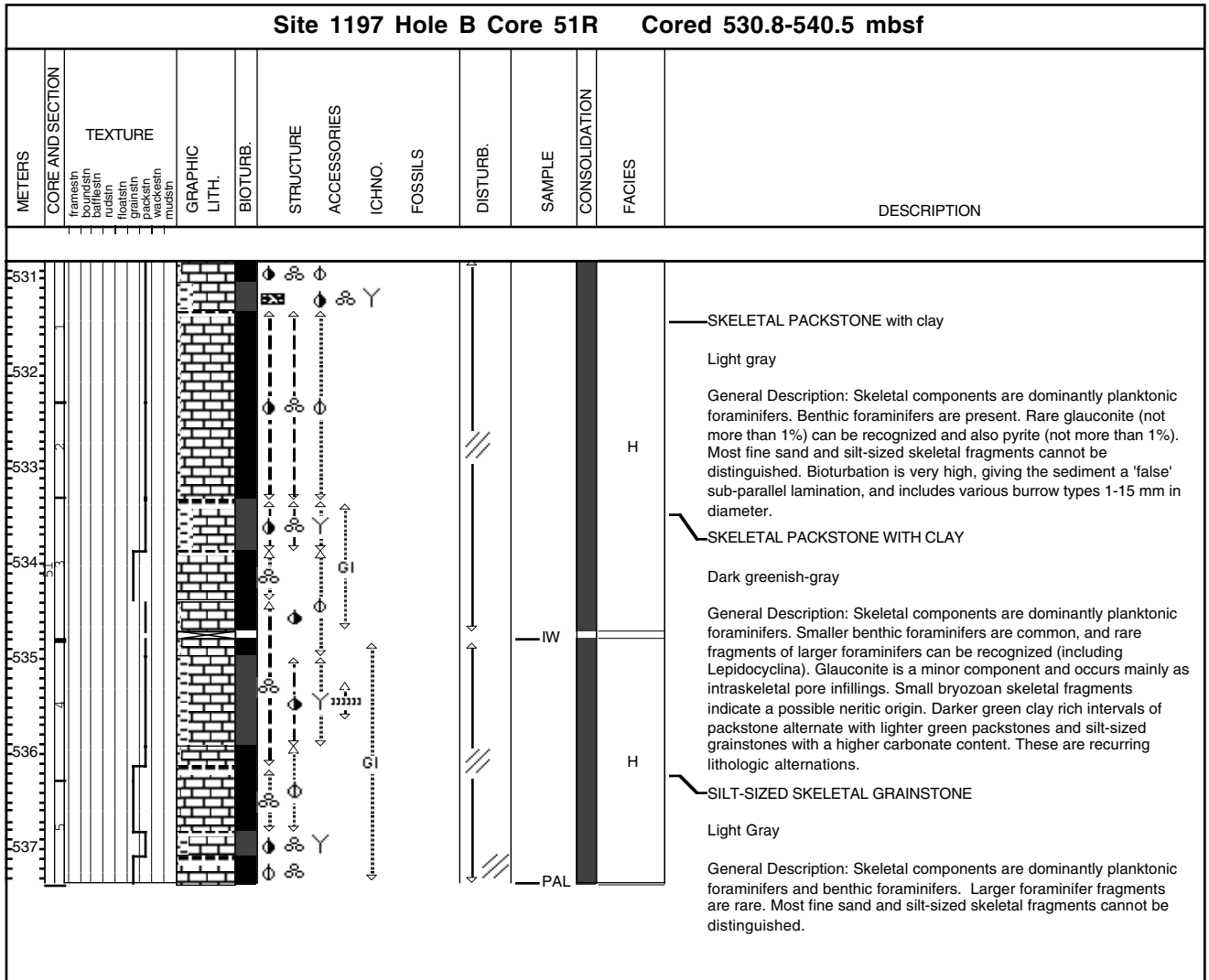
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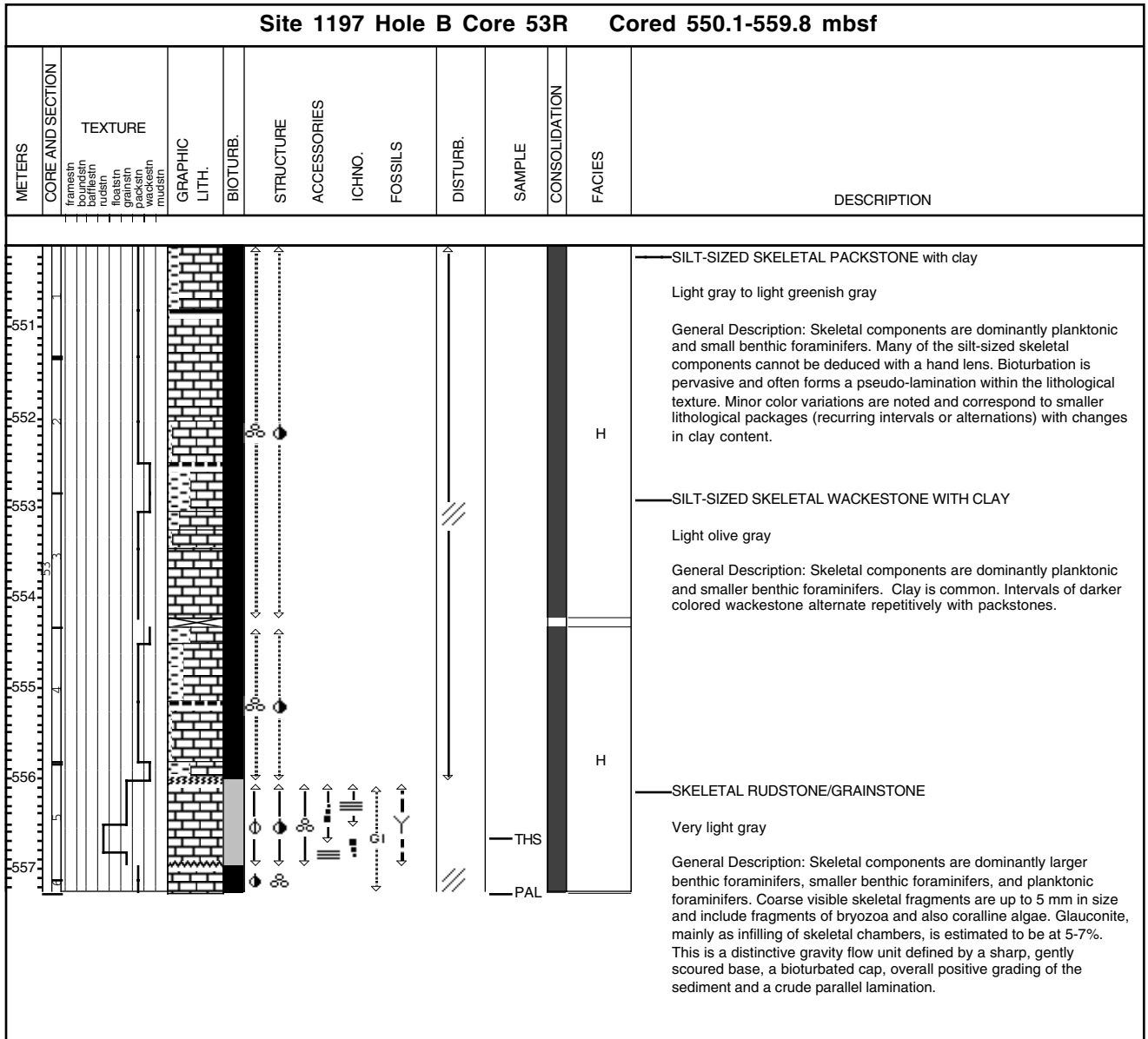
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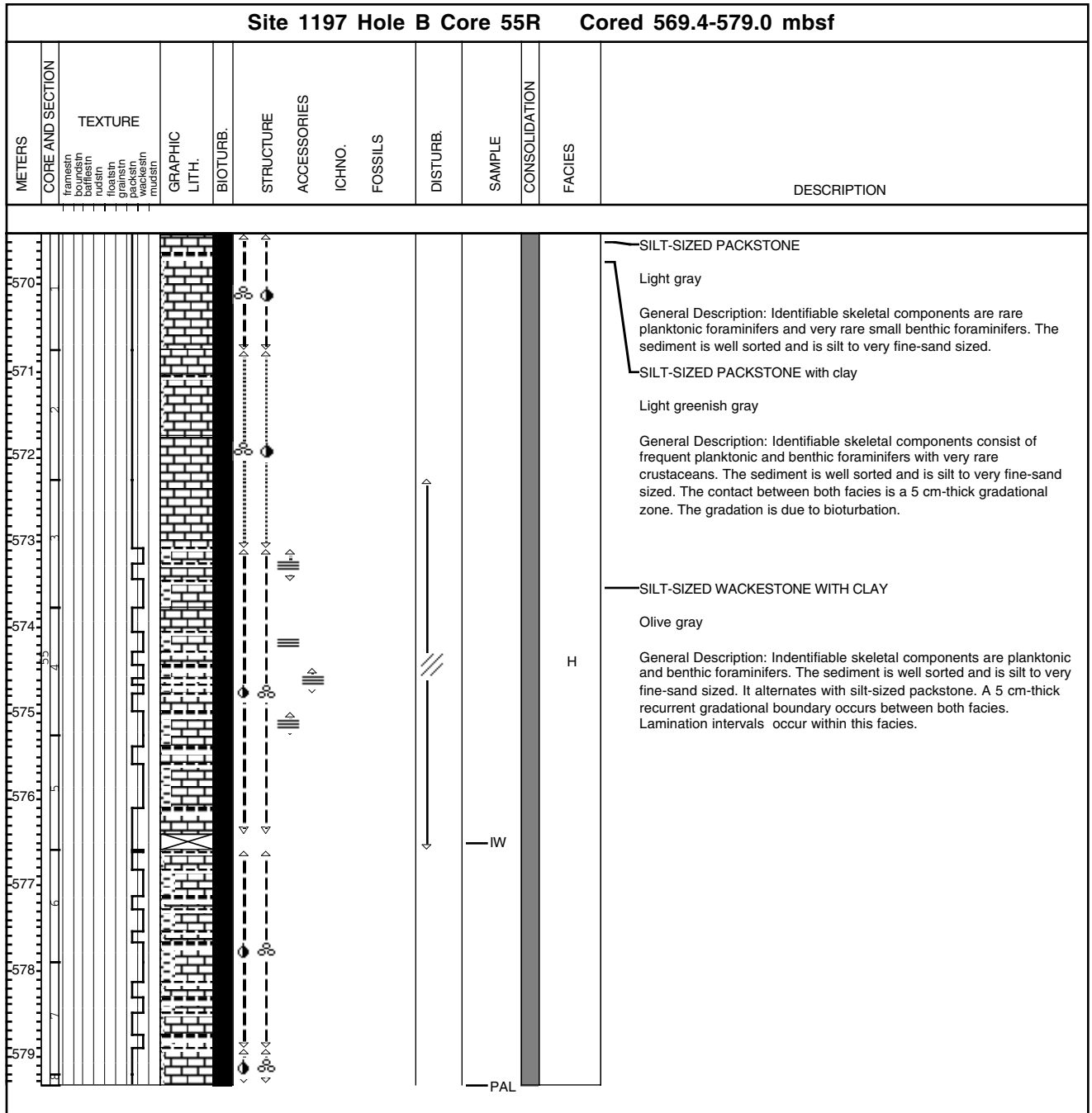
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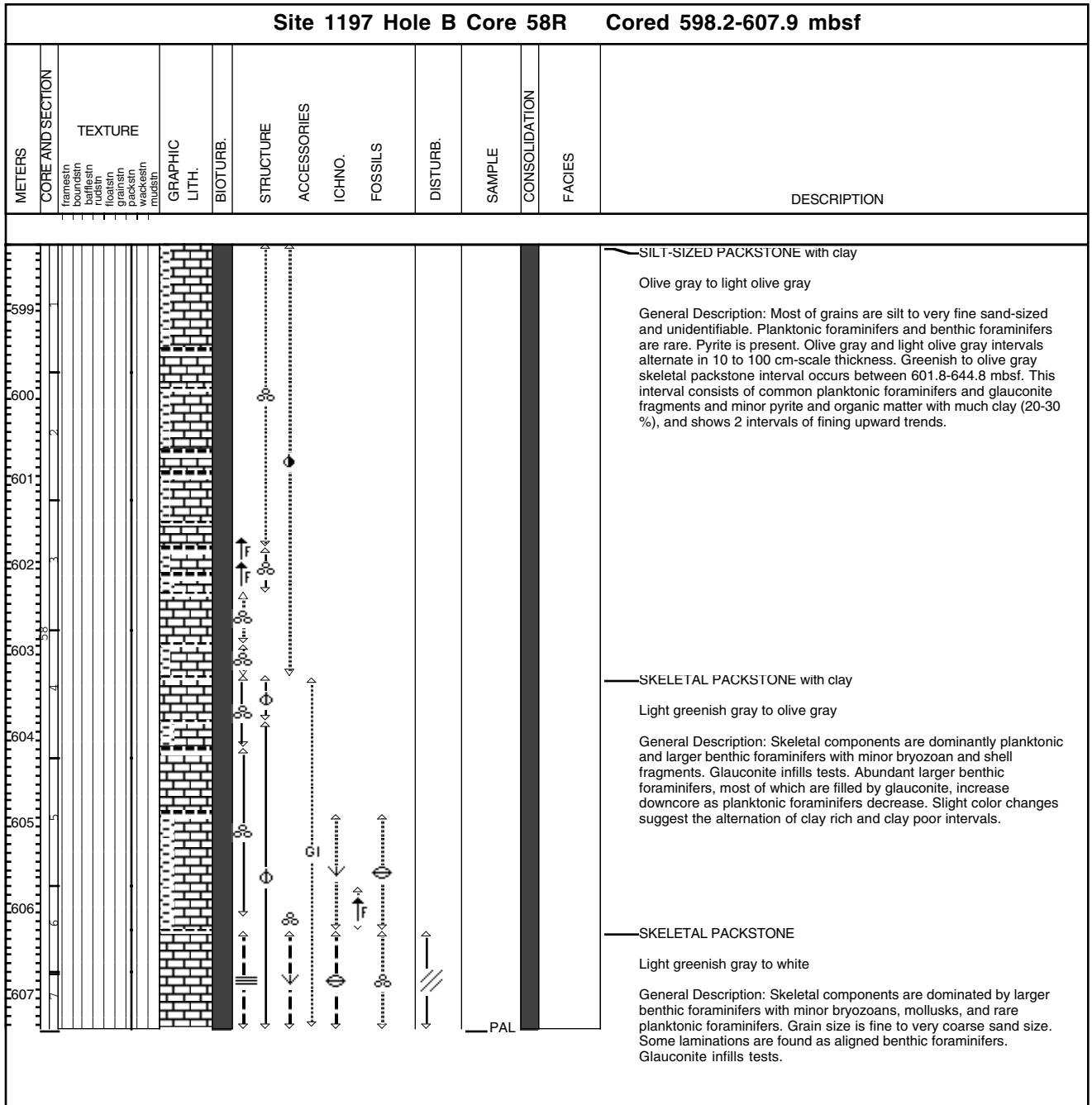
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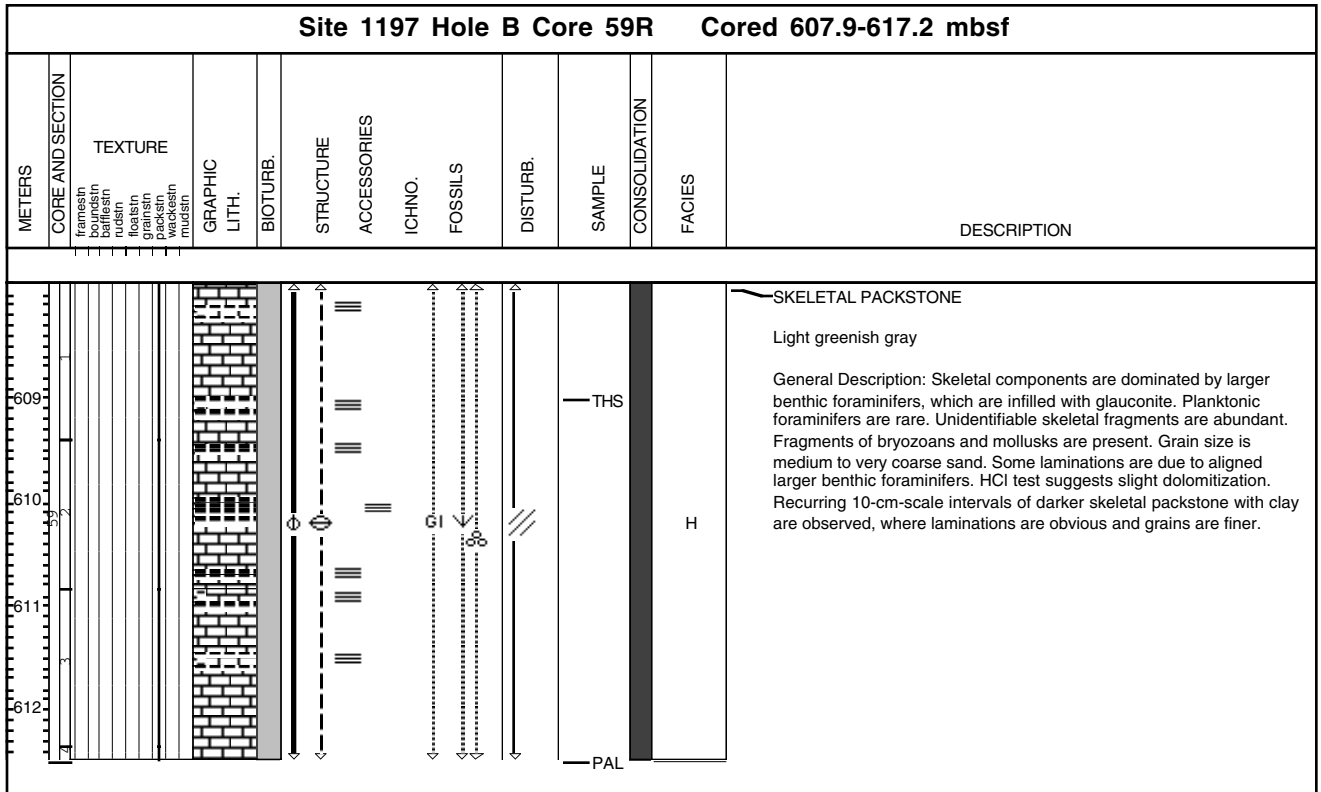
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Core Photo



Core Photo



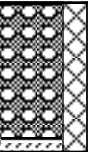
Core Photo

Site 1197 Hole B Core 62R Cored 636.5-646.1 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
637													<p>— PACKSTONE with glauconite</p> <p>White</p> <p>General Description: Unidentified skeletal fragments are rare and glauconite particles are abundant. Intervals with faint wavy lamination are olive gray.</p>
638													
639													
640													
641													<p>— SKELETAL PACKSTONE with clay</p> <p>Pale yellow</p> <p>General Description: Skeletal components are dominated by glauconitized large benthic foraminifers with shell fragments, rare echinoid spines, and small benthic foraminifers. Glauconite also occurs as burrow infill.</p>

Core Photo

Site 1197 Hole B Core 64R Cored 655.7-665.3 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
656										THS			FLOATSTONE Greenish gray
657										THS			General Description: Large skeletal fragments (15% of rock) and lithoclasts (5%) float in a moderately well sorted, fine-grained grainstone matrix. Skeletal fragments are mostly whole bivalves up to 3.5 cm and subordinate larger benthic foraminifers, bryozoans, echinoderms, and red algae. Several bivalve shells consist of whole, facing halves. Lithoclasts (angular to subrounded) are mostly sandstone to siltstone, commonly rich in glauconite or having oxidized brown color. Individual clasts include vesicular basalt, volcaniclastic, and packstone/grainstone. The matrix consists mainly of unidentified skeletal fragments with subordinate benthic foraminifers, bryozoans, rare planktonic foraminifers, quartz sand, and glauconite pellets.
658										PAL			OLIVINE BASALT Reddish black General Description: Felspar-rich rock with porphyres of olivine and epidote. The matrix consists of Plagioclases mixed with pyroxenes. Red color comes from iron oxide. Small circular cavities are filled with zoolites. This lithology, which represents the acoustic basement at the Marion Plateau, is heavily brecciated.

Core Photo

Site 1197 Hole B Core 65R Cored 665.3-674.9 mbsf													
METERS	CORE AND SECTION	TEXTURE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	CONSOLIDATION	FACIES	DESCRIPTION
666										THS			<p>—BASALTIC BRECCIA</p> <p>Reddish black</p> <p>General Description: Felspar-rich rock with porphyres of olivine and epidote. The matrix consists of Plagioclases mixed with pyroxenes. Red color comes from iron oxide. Small circular cavities are filled with zoolites. This lithology, which represents the acoustic basement at the Marion Plateau, is heavily brecciated.</p>

Site 1197 Smear Slides																								
Core	Sample	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Texture			Mineral							Biogenic							Comments
							Sand	Silt	Clay	Calcite	Clay	Dolomite	Glauconite	Mica	Muscovite	Pyrite	Quartz	Benthic Forams	Calcspheres	Coccolith	Discoaster	Echinoid	Echinoid Spine	
1197A																								
	2	H	5	40	12.5	D			D	D											D	lots of broken skeletal material		
	5	H	1	60	35.2	D			D	D			1			1						extensively broken skeletal material, qtz tra		
	6	H	3	61	47.71	D	A	C	A				*	R	*	P			P		A			
	10	X	CC	17	69.37	D	P	C	D	0	D	A	0	0	0	0	0	0	0	0	0	Very nice dolomite rhombs, clay.		
1197B																								
	44	R	1	52	464.12	M	R	A	C			0			P	P		D	C					
	48	R	6	16	509.44	M	R	D	P			C			P	P		D	R			P		

