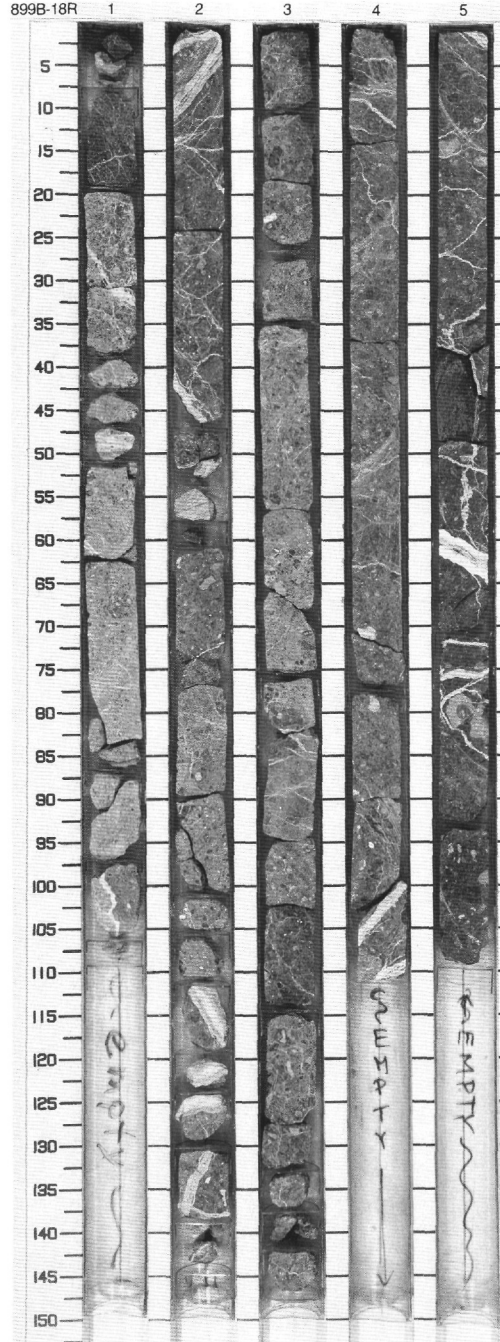


SITE 899 HOLE B CORE 18R

CORED 389.1 - 398.3 mbsf

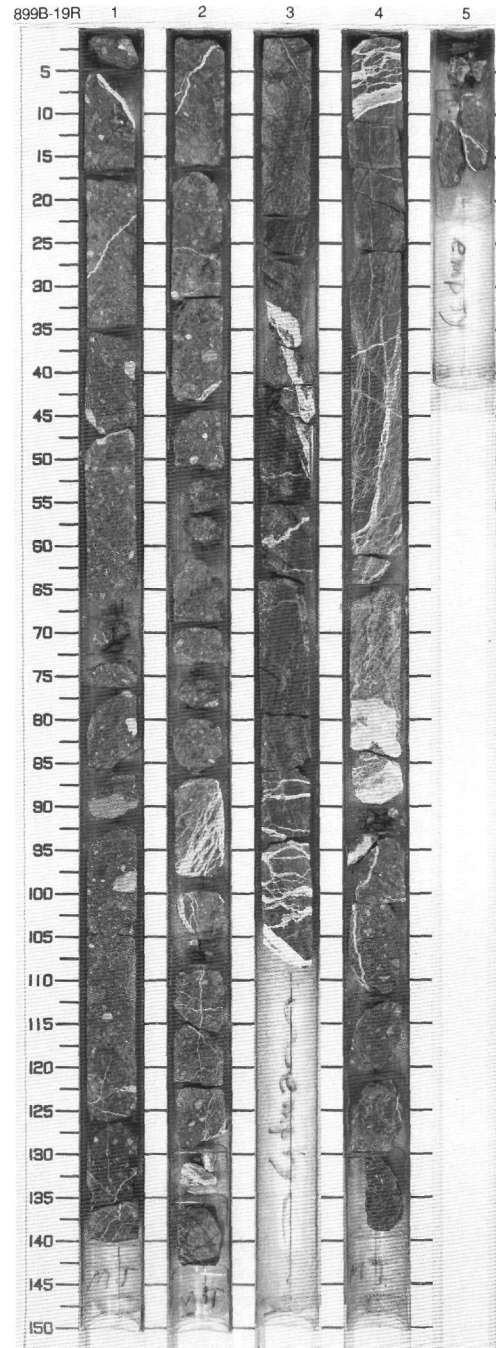
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Cross-hatched pattern]	1		<			5Y 4/1	<p><b>BRECCIA</b></p> <p>Major Lithology:                      Matrix-supported BRECCIA forms all of the core. Its matrix consists of coarse sandstone similar to that described in Core 17, and the color changes from olive gray (5Y 4/1) and pale yellowish brown (10YR 6/2) to medium dark gray (N4) at the base. The clast sizes in the BRECCIA range from 0.5 to 5 cm, and most appear to be derived from altered serpentine except for a few ultramafic fragments.</p>	
2		2		<			10YR 6/2		
3		3	Cretaceous	<					5Y 4/1
4		4		<					
5		5		<					N4
6									



SITE 899 HOLE B CORE 19R

CORED 398.3 - 407.7 mbsf

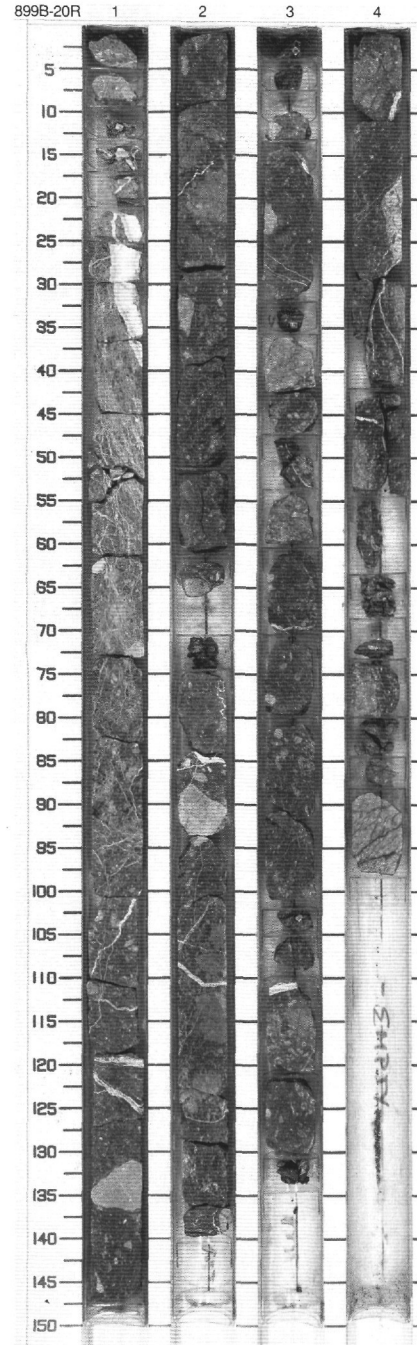
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Cretaceous	[Structure]	[Disturb]	[Sample]	N4	<p><b>BRECCIA</b></p> <p>Major Lithology: Matrix-supported BRECCIA forms all of the core. The medium dark gray (N4) to gray (5YR 5/1) matrix of the BRECCIA consists of coarse sandstone similar to that described in Core 17. The clasts in the BRECCIA range from 0.5 to 6 cm size.</p> <p>General Description: Two intervals of altered serpentine occur ( Section 2, 136 cm to Section 3, 90 cm, and Section 4, 0 cm to 110 cm) and are presumed to be large clasts.</p>
2	[Pattern]	2					5YR 5/1	
3	[Pattern]	3						
4	[Pattern]	4					5YR 5/1	
5	[Pattern]	5					5YR 5/1	



SITE 899 HOLE B CORE 20R

CORED 407.7 - 417.1 mbsf

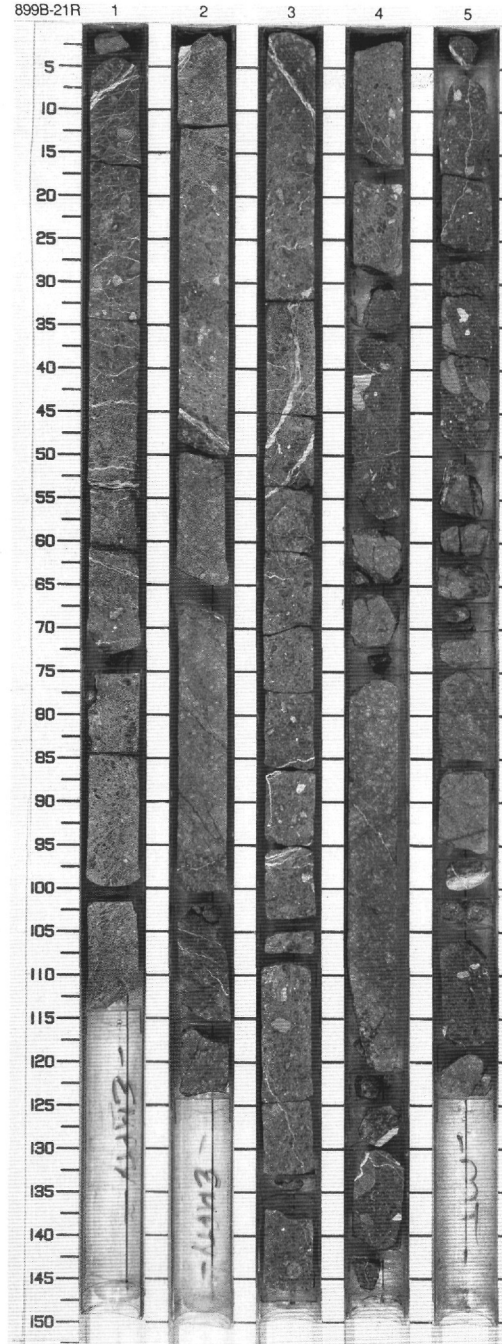
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Cross-hatched pattern]	1		[Symbol: inverted triangles]	[Symbol: vertical lines]	S	10YR 4/2 To 5YR 3/4	<p><b>BRECCIA</b></p> <p>Major Lithology: Polymictic, matrix-rich, homogeneous BRECCIA with angular to subangular fragments of serpentinite forms all of this core. The maximum size of clasts is 7 to 8 cm. Several clasts show internal fractures and placement of resulting clast pieces.</p> <p>General Description: The groundmass is dark yellowish brown (10YR 4/2) or moderate brown (5YR3/4) in Section 1 (0 to 125 cm) and medium dark gray (N4) to greenish black (N2) in the other parts of the core. Matrix angular fragments of mono- or polycrystalline composition (1 to 2 cm diameter) with a fine sand-sized groundmass. Calcite occurs in veins throughout the core.</p>
2	[Cross-hatched pattern]	2	Cretaceous	[Symbol: inverted triangles]	[Symbol: vertical lines]		N4	
3	[Cross-hatched pattern]	3		[Symbol: inverted triangles]	[Symbol: vertical lines]		N2	
4	[Cross-hatched pattern]	4		[Symbol: inverted triangles]	[Symbol: vertical lines]		N2	



SITE 899 HOLE B CORE 21R

CORED 417.1 - 426.3 mbsf

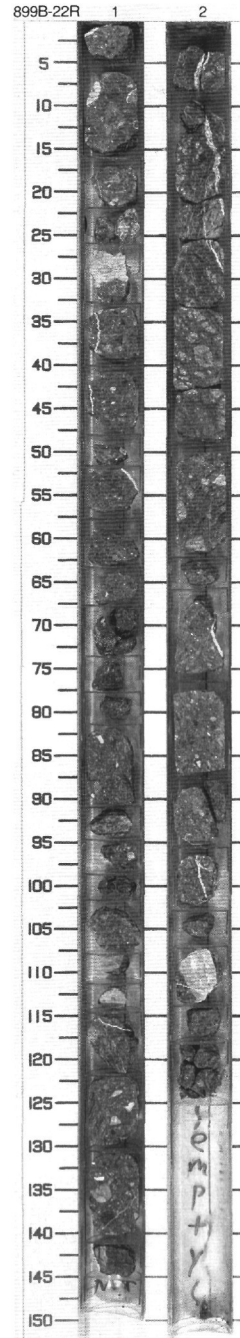
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1					10YR 4/2 To 5YR 3/4	<p><b>BRECCIA</b></p> <p>Major lithology: Matrix-supported, polymictic, and variegated colored BRECCIA composed of mostly peridotite/serpentinite clasts makes up most of this core. Randomly oriented, angular to subrounded clasts in the BRECCIA range up to 3 cm in diameter and average about 0.5 cm.</p> <p>General Description: Dark greenish gray (5GY 4/1), moderate brown (10R 4/6) and very dusky red (10R 2/2) clasts in the BRECCIA could be dunites or altered pyroxene-rich igneous rocks. The matrix changes from dark yellowish brown (10YR 4/2) to moderate brown (10R 4/6) to greenish black (N 2) colors and consists of sand and granules. Calcite cement is not evident.</p>
2	[Dotted pattern]	2		< 1				
3	[Dotted pattern]	3	Cretaceous	< 1				
4	[Dotted pattern]	4					N2	
5	[Dotted pattern]	5						



SITE 899 HOLE B CORE 22R

CORED 426.3 - 435.6 mbsf

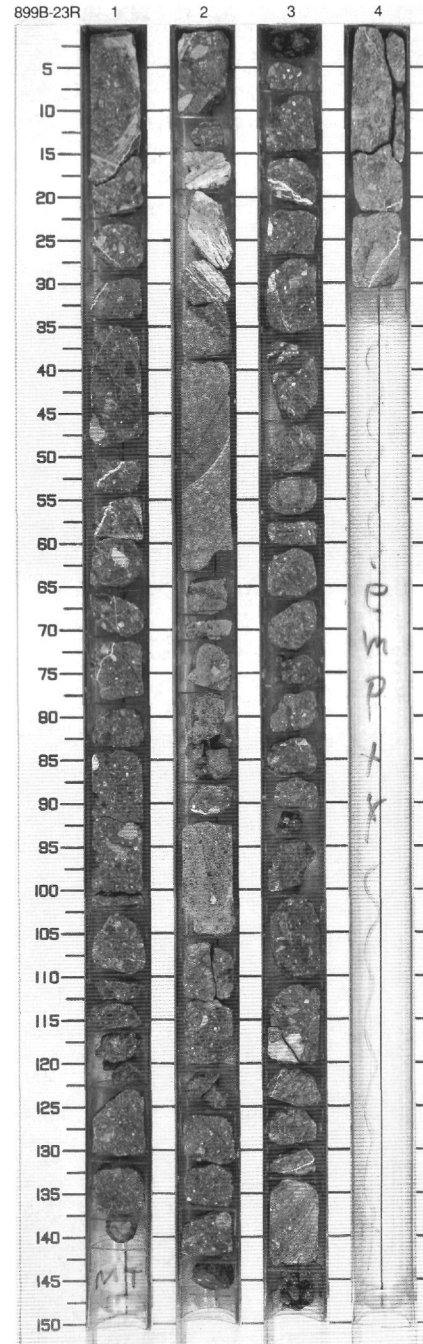
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Cretaceous			S S	N2	<p><b>BRECCIA</b></p> <p>Major Lithology: Matrix-supported BRECCIA similar to that described in Core 17 forms 81% of the core. The matrix of the breccia is gray black (N2).</p> <p>Minor Lithology: SERPENTINIZED PERIDOTITE forms 19% of this core.</p> <p>General Description: Medium dark gray (N4), medium bluish gray (5B 5/1) and light greenish gray (5G 8/1) clasts in the breccia vary from 2x2 mm to 3x4 mm in size, and they appear to consist mostly of serpentinized peridotite. SANDY CLAYSTONE and SILTY CLAYSTONE comprise the matrix of the BRECCIA. Calcite veins (1 to 3 mm wide) are common.</p>
2		2						



SITE 899 HOLE B CORE 23R

CORED 435.6 - 445.3 mbsf

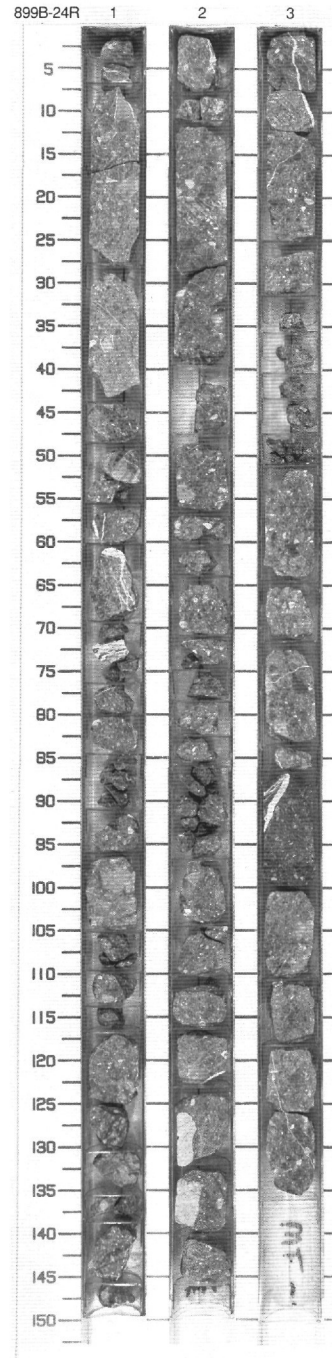
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Cretaceous				N4 To 7.5R N2.5/0	<p><b>BRECCIA</b></p> <p>Major Lithology: BRECCIA with a medium dark gray matrix comprises about 91% of the core.</p> <p>Minor Lithology: SERPENTINE forms about 9% of the core, and is present as a block in Section 2, 33–63 cm.</p> <p>General Description: The BRECCIA is matrix supported and contains clasts ranging up to 3.5x1.5 cm in size. Sand to clay size particles forms the matrix. In Section 2, 15 to 30 cm, the grayish breccia gives way to dark yellowish orange, possibly altered serpentine (10YR 6/6) clasts with moderate reddish brown (10R 4/6) bands. In Section 2, 70–105 cm, clasts with a light brownish gray matrix occur. These clasts have a greater amount of sand sized matrix and smaller lithic fragments than the breccia in Section 1. Additionally, layers (2 mm thick) of mostly sand-sized material occur in the sample.</p>
2		2		N4 To 2.5Y 6/2				
3		3		N4				
4		4						



SITE 899 HOLE B CORE 24R

CORED 445.3 - 454.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Cross-hatched pattern]	1	Cretaceous		[Vertical lines]		5YR 6/1	<b>BRECCIA</b> Major Lithology: The entire core is composed of matrix-supported BRECCIA with grain size ranging from silt to cobble grade. The color of the matrix varies in the core from light brownish gray (5YR 6/1) to dark gray (N3, N4). The clasts in the lighter colored matrix show a wider range of colors (grays; N3-N6), grayish orange pink (5YR 7/2), light brown (5YR 6/4), moderate reddish brown (10YR 5/4) than those in the darker variety, which only show gray and greenish gray hues. The majority of the clasts are composed of serpentinite, and in the lighter colored rock are almost surrounded by calcite-filled microfractures less than 0.05 mm across.
2		2					N4	
3		3					5YR 6/1	
4			N4					

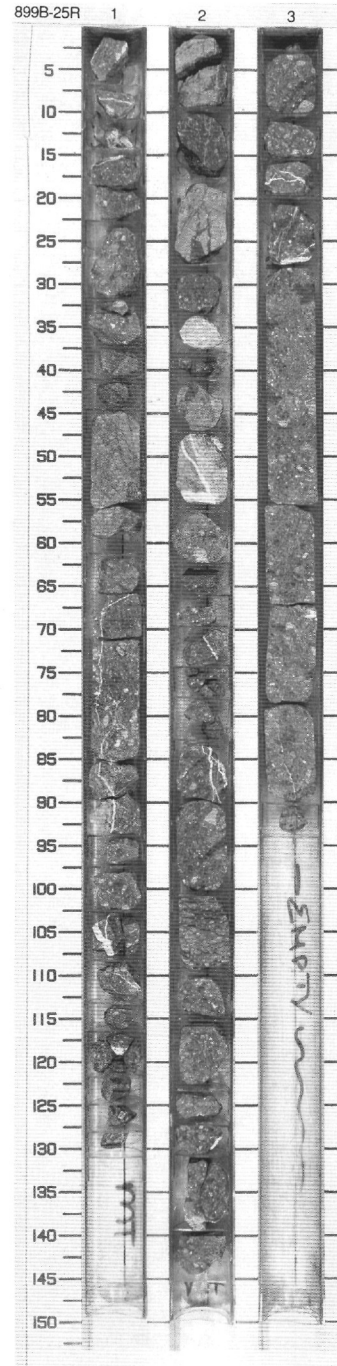




SITE 899 HOLE B CORE 25R

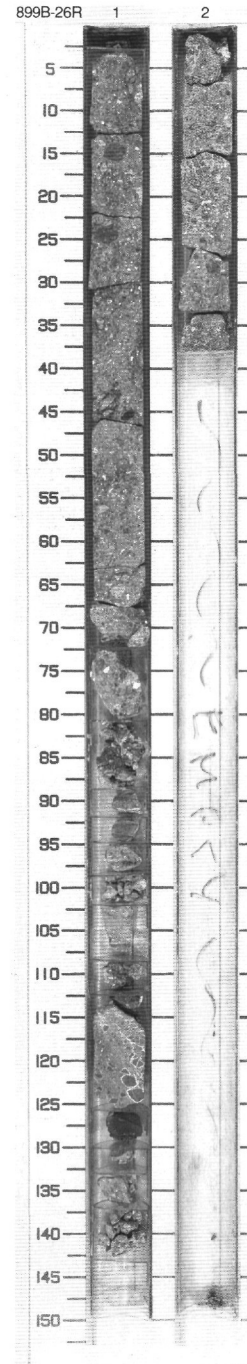
CORED 454.7 - 464.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Cretaceous				N6 To N4	<p><b>BRECCIA</b></p> <p>Major Lithology: Matrix-supported BRECCIA forms 85% of the core. Its matrix varies from medium light gray (N6) to medium dark gray (N4) to medium bluish gray (5B 5/1).</p> <p>Minor Lithology: SERPENTINIZED PERIDOTITE comprises 15% of the core.</p> <p>General Description: The BRECCIA consists of a silt to sand matrix composed of serpentinite and angular clasts, also composed of serpentinite, ranging from 2 mm to 3 cm in size. The clasts vary from grayish orange (10YR 7/4) to grayish black (N2) to white (N9). Mostly vertical calcite veins (1 mm-1 cm thick) crosscut the matrix and clasts and are not as abundant as in previous cores. Blocks of SERPENTINIZED PERIDOTITE range up to 25 cm in thickness. A relatively sharp contact between medium gray and medium light gray BRECCIA matrices occurs in Section 3, 47 cm. The color changes are diagenetic as they cut across clasts.</p>
2	[Pattern]	2						
3	[Pattern]	3						





Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Cretaceous			S	N4 To 5B 7/1	<p><b>BRECCIA</b></p> <p>Major Lithology: Matrix-supported BRECCIA comprises 99% of this core. The matrix varies from light bluish gray (5B 7/1) to medium dark gray (N4).</p> <p>Minor Lithology: Olive black (5Y 2/1) CALCAREOUS CLAYSTONE comprises about 1% of the core.</p> <p>General Description: The BRECCIA contains a sand- and silt-sized serpentinite matrix. Dark gray (N3) to white (N6) clasts in the BRECCIA are angular, range from 2x2 mm to 3x3 cm in size, and appear to be composed mostly for serpentinite. A few basalt clasts containing a pink (calcite?) mineral occur in Section 1, 90-93 cm. Some clasts are rimmed or cut by serpentine veins. The CALCAREOUS CLAYSTONE occurs in Section 1, 82-87 cm, and it contains nannofossils and granules of serpentinite.</p>
		2						



SITE 899 HOLE B CORE 27R

CORED 473.6 - 482.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Aptian			S S S	N3 N7 N3	<p><b>BRECCIA</b></p> <p>Major Lithology: Dark gray BRECCIA shows grain sizes ranging from silt to granule grade and forms the lower half of the recovered material.</p> <p>Minor Lithologies: SILTY CLAYSTONE is dark gray in color and occurs in association with an almost vertical band of grayish green (10GY 5/2) friable serpentine in Section 1, 40–65 cm. Fine-grained LIMESTONE occurs in Section 1, 65–108 cm and is light gray (N7) in color. ALTERED BASALT(?) is dark gray (N3) in color and forms Pieces 3 and 5 at the top of Section 1. SERPENTINE occurs in association with SILTY CLAYSTONE as described above, and as Piece 4 at the top of Section 1: it is dark gray (N3) in color with a reddish tinge, and shows white spherules about 1 mm in diameter.</p> <p>General Description: The relationship between the sediments and the altered igneous is not clear in the core. The SILTY CLAYSTONE and greenish SERPENTINE may have been mixed and distorted by drilling.</p>
2		2						

