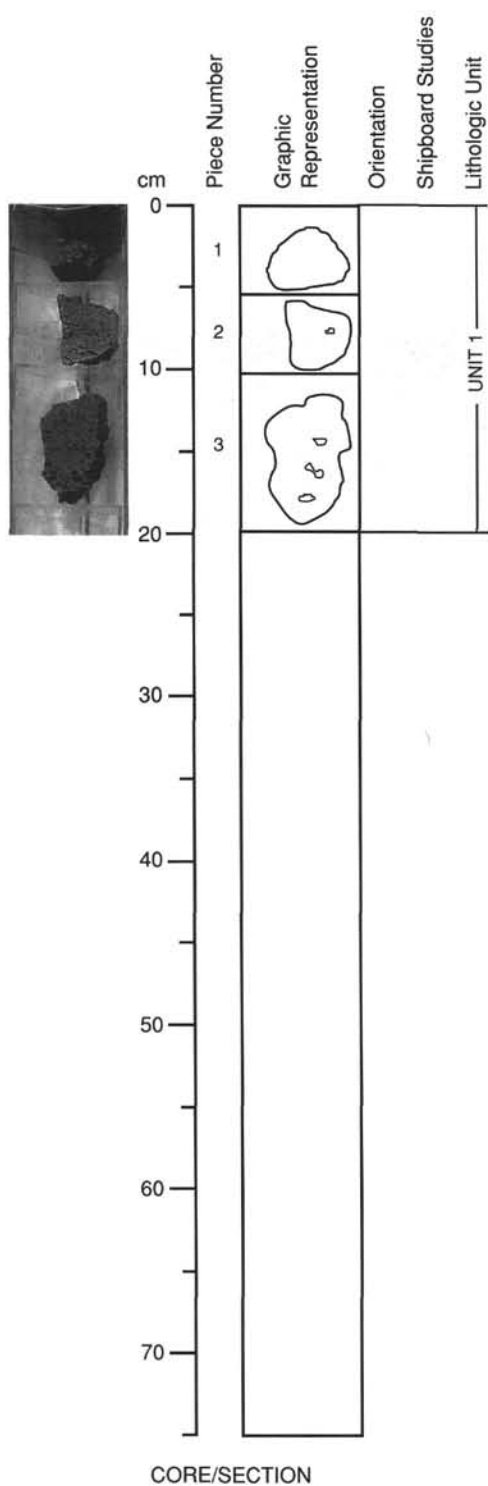


132-809F-1Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-3

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 20%; <1 mm to 5 mm; variable, pipe; pipe vesicle zone 3 cm on Piece 3;
 segregation vesicles filled with finely vesiculated basalt.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, minor red clay mineralization on some surfaces.
VEINS/FRACTURES: None.



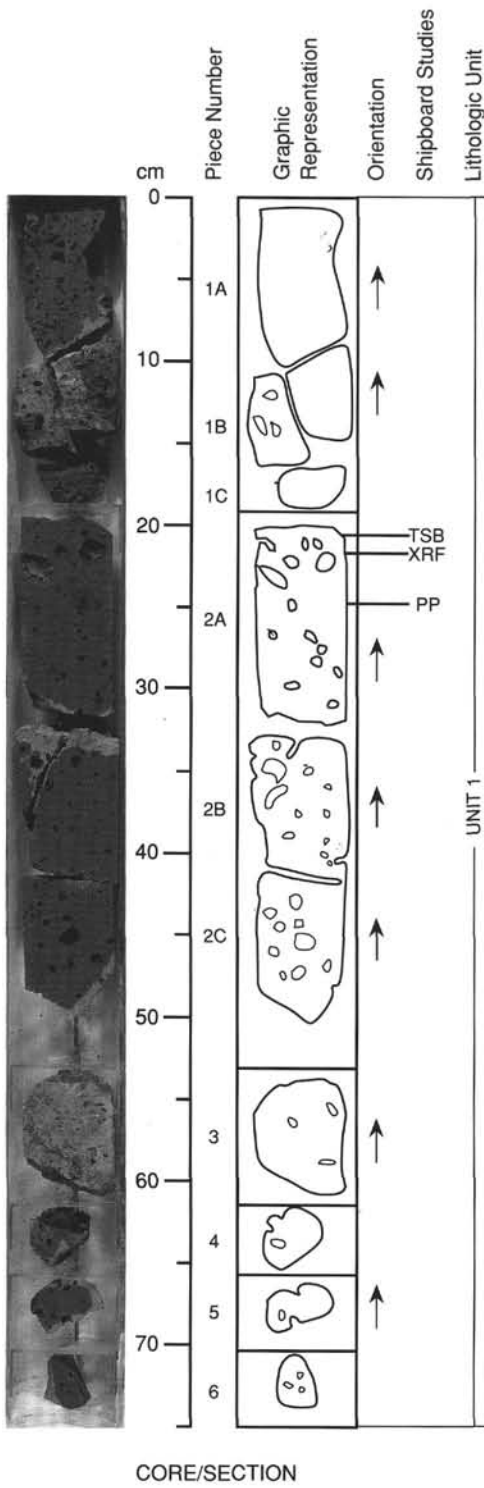
Information on Core Description Forms, for ALL sites, represents field notes taken aboard ship. Some of this information has been refined in accord with post-cruise findings, but production schedules prohibit definitive correlation of these forms with subsequent findings. Thus, the reader should be alerted to the occasional ambiguity or discrepancy.

132-809F-2Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-6

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 15-20%; <1 mm-1 cm; variable; uniform (fine); segregation vesicles, fine vesicle trails space 1-2 cm, glassy walls.
Miroles: None.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, Piece 1B has light brown alteration, minor alteration on the surface of other pieces.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: Piece 1A has gold saw-blade paint on the archived half. Paint has entered some vesicles. Piece 1A has an undulating diamond bit cut.



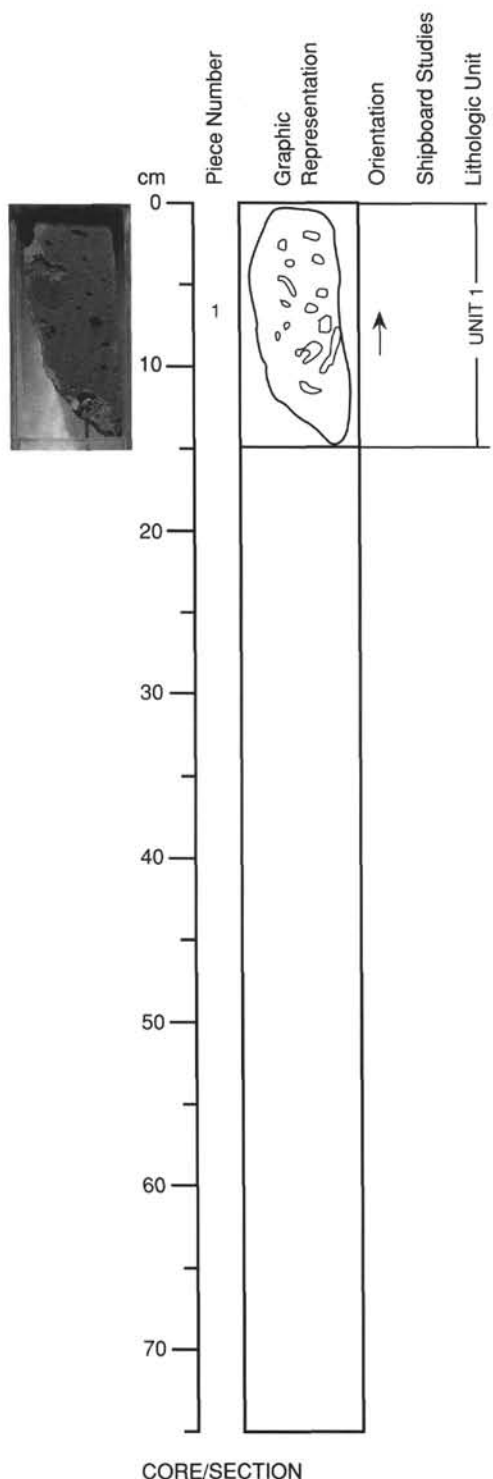
CORE/SECTION

132-809F-2Z-2

UNIT 1: APHYRIC BASALT

Piece 1

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10%; 1 mm and 1 cm; round to ovoid; uniform; vesiculated basalt fills segregation vesicles, vesicle trails space 1–2 cm.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, glassy vesicle rims.
VEINS/FRACTURES: None.



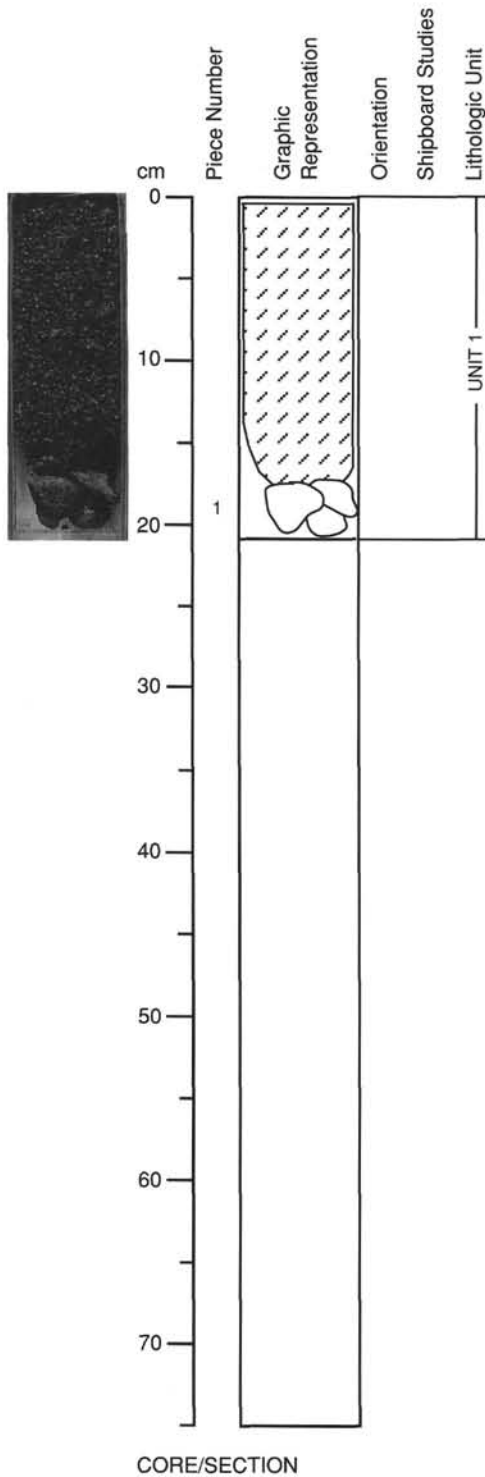
CORE/SECTION

132-809F-6Z-1

UNIT 1: APHYRIC BASALT

Piece 1 (cuttings)

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10%; <1 mm, 3-5 mm; round to oblate; uniform fine vesicles; segregation vesicles filled with vesiculated basalt.
 Miaroles: None.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, glassy vesicle walls.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: Also contains grains of pipe scale and diamond-bit matrix.



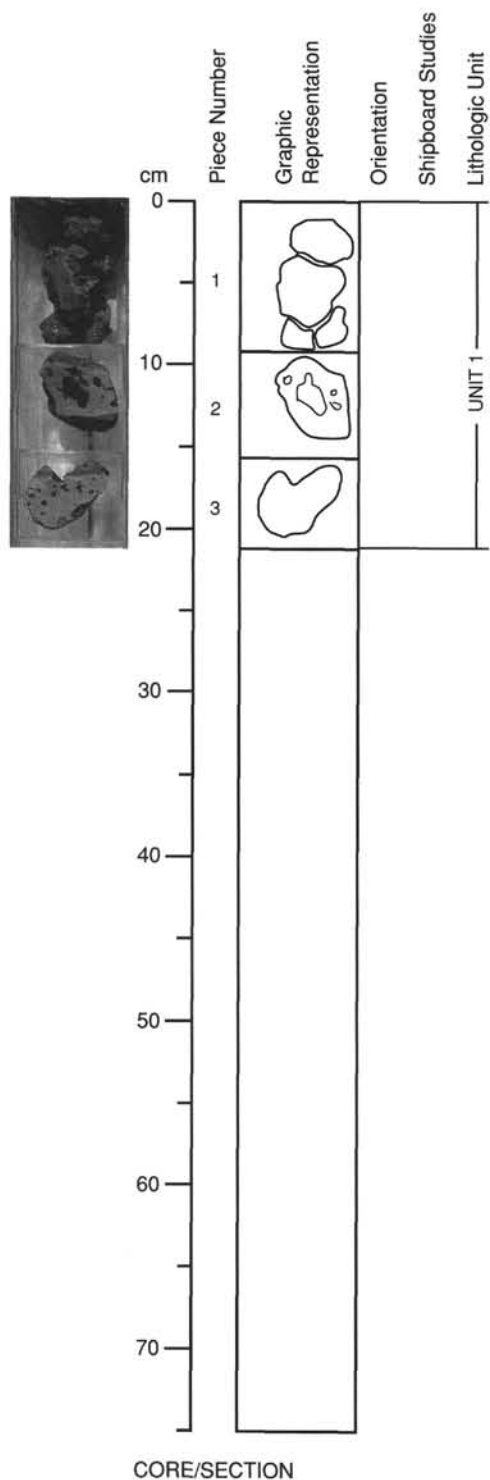
 CUTTINGS

132-809F-7Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-3

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Fine grained.
VESICLES: 5%; <1 mm-5 mm; round to ovoid; uniform; vesiculated basalt segregation vesicles.
 Miaroles: None.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, reddish brown mineral fills some vesicles, yellow green mineral on fracture surface.
VEINS/FRACTURES: None; reddish brown mineral precipitated in some vesicles.
ADDITIONAL COMMENTS: Basalts have been partially cored with DCS. Piece 3A has multiple lacerations from the drill bit.



CORE/SECTION

UNIT 1: APHYRIC BASALT

Piece 1

CONTACTS: Pillow contact on upper and lower surfaces.

PHENOCRYSTS: None.

GROUNDMASS: Uniformly fine grained.

VESICLES: 5%; <1 mm, 8 mm; round to ovoid; uniform.

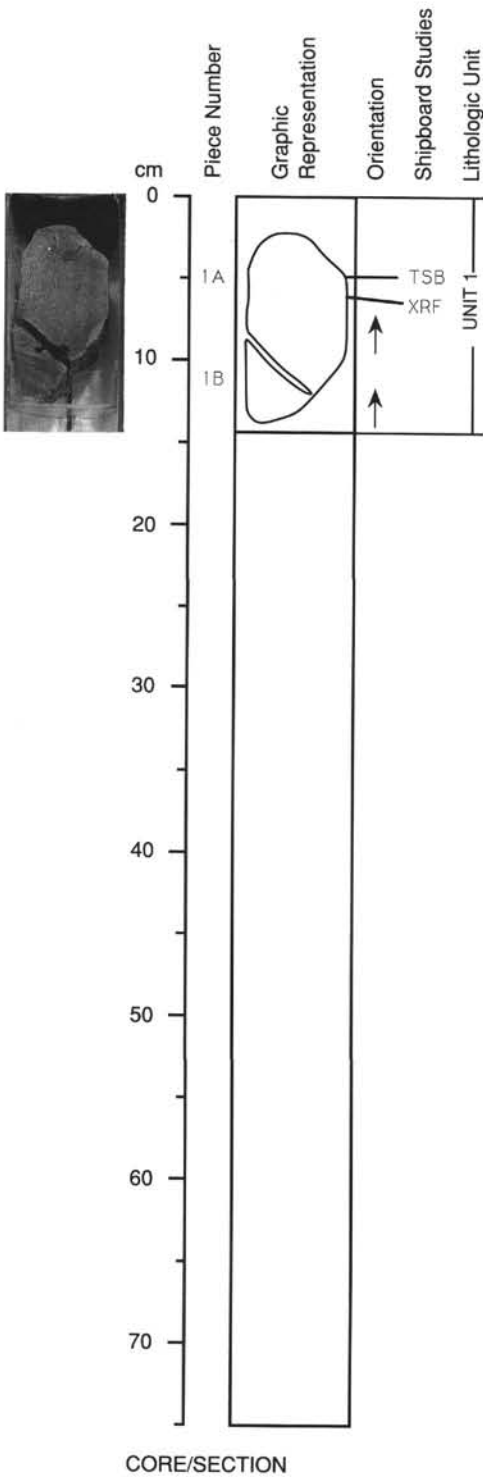
COLOR: Dark gray.

STRUCTURE: Pillow.

ALTERATION: Upper and lower surfaces are slightly altered with light brown/yellow clay mineral.

VEINS/FRACTURES: None.

ADDITIONAL COMMENTS: Coring cut uneven (1–2 mm amplitude).

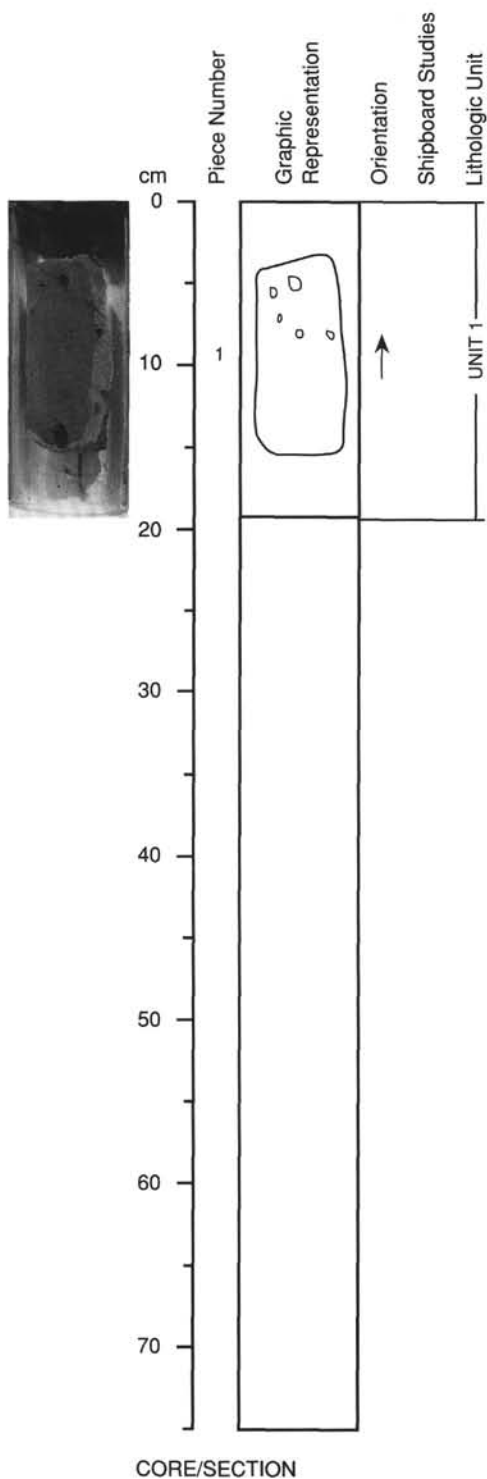


132-809F-9Z-1

UNIT 1: APHYRIC BASALT

Piece 1

CONTACTS: Pillow contact on upper and lower surfaces.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5%; < 1 mm, 3 mm; round; uniform.
COLOR: Dark gray.
STRUCTURE: Pillow.
ALTERATION: Upper and lower surfaces are slightly altered with light brown/yellow clay mineral.
VEINS/FRACTURES: <1%; 1 mm; 60; 1 vesiculated basalt fracture visible on cored face.
ADDITIONAL COMMENTS: Coring cut uneven (2-3 mm amplitudes).

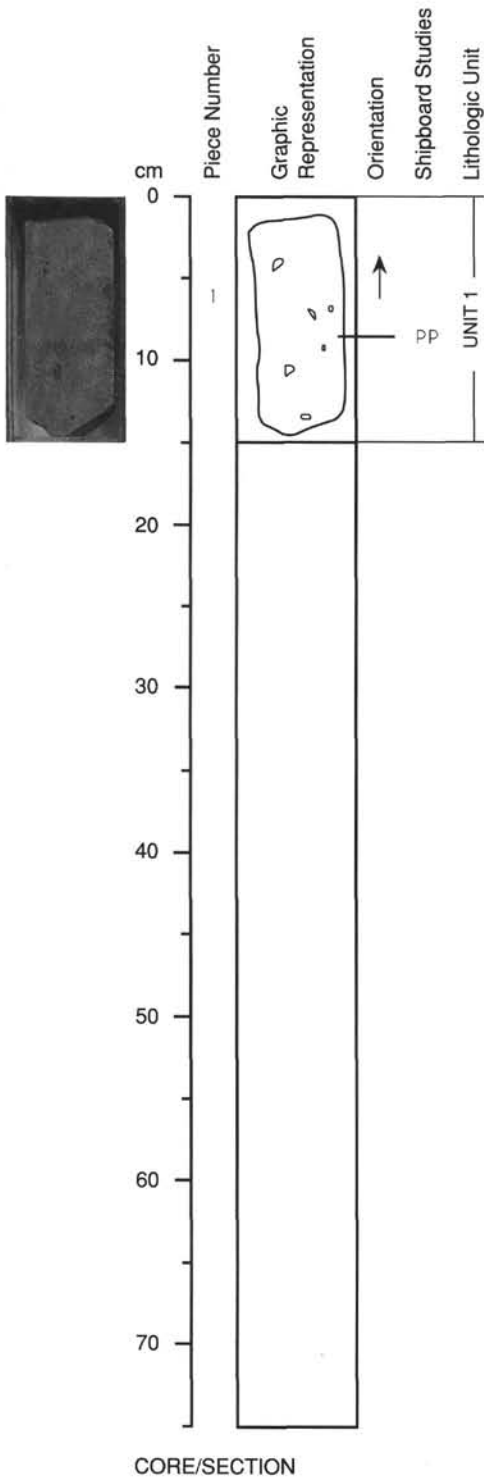


132-809F-10Z-1

UNIT 1: APHYRIC BASALT

Piece 1

CONTACTS: Pillow contact on upper surface.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5%; <1 mm, 3 mm; round; uniform; vesiculated basalt fills segregation vesicles.
COLOR: Dark gray.
STRUCTURE: Pillow.
ALTERATION: Yellow-brown clay mineral on upper surface.
VEINS/FRACTURES: <1%; 1 mm; 60; 1 vesiculated basalt fracture visible on cored face.
ADDITIONAL COMMENTS: Top of piece has concentric grooves from the center bit.

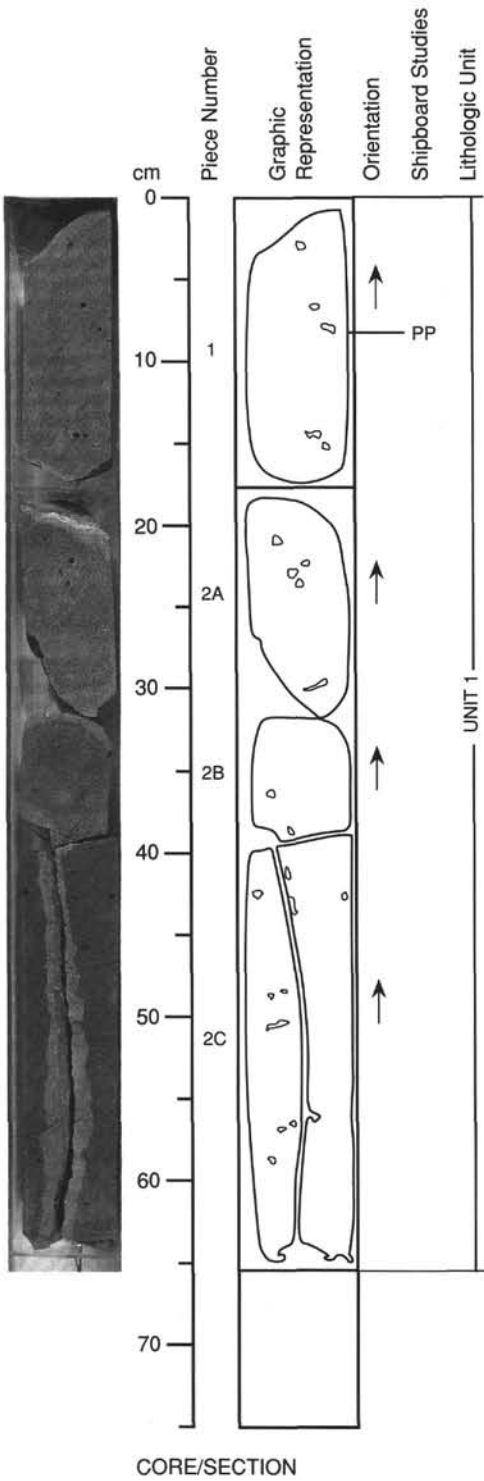


132-809F-11Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-2

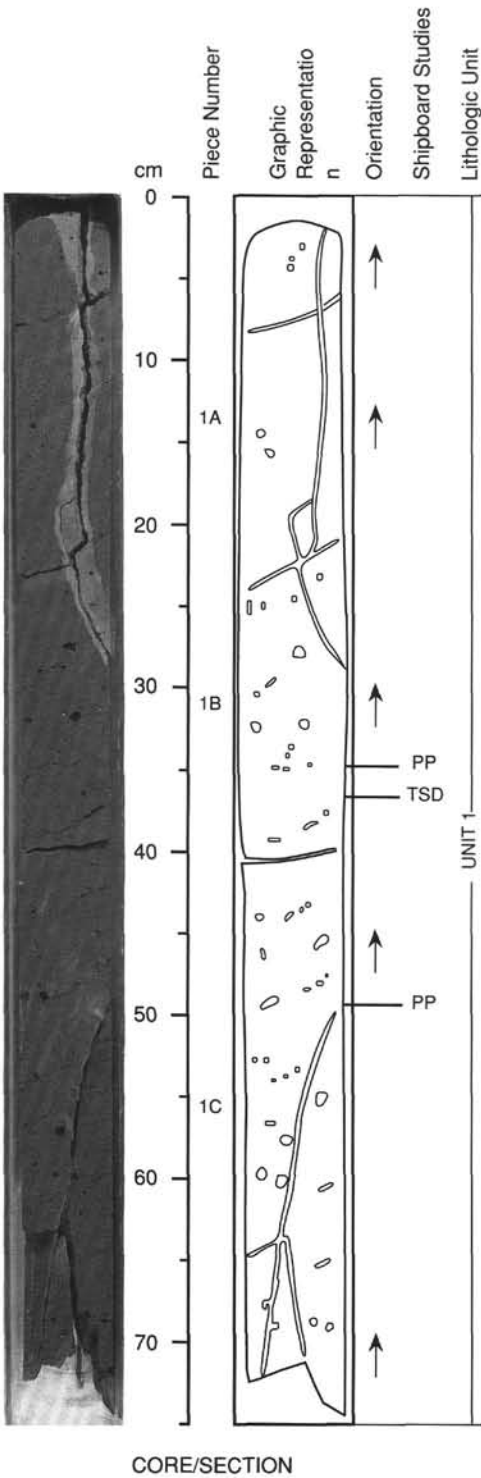
- CONTACTS:** Altered surfaces top of 2A, 2B, 2C; bottom of 2A, 2B.
- PHENOCRYSTS:** None.
- GROUNDMASS:** Uniformly fine grained.
- VESICLES:** 5%; <1 mm, 3 mm (maximum for 1), 1 cm (maximum for 2); round to ovoid; fine are uniform; subparallel vesicle trails in Piece 2.
- COLOR:** Dark gray.
- STRUCTURE:** Massive.
- ALTERATION:** Yellow-brown clay mineral on upper surface.
- VEINS/FRACTURES:** <1%; <1 mm; 90; fracture divides Piece 2C.



UNIT 1: APHYRIC BASALT

Piece 1

CONTACTS: Top of 1A.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5%; <1 mm, .5 mm; round to ovoid; fine are uniform; subparallel vesicle trails spaced 2-4 cm dip 65°, red acicular amygdule mineralization in Piece 1B.
 Miaroles: Microcrystals line walls of larger vesicles.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Yellow-brown clay mineral on upper surface and on fractured surface in Piece 1A.
VEINS/FRACTURES: <1%; <1 mm; 90; fracture divides Piece 1A.



CORE/SECTION

132-809F-11Z-3

UNIT 1: APHYRIC BASALT

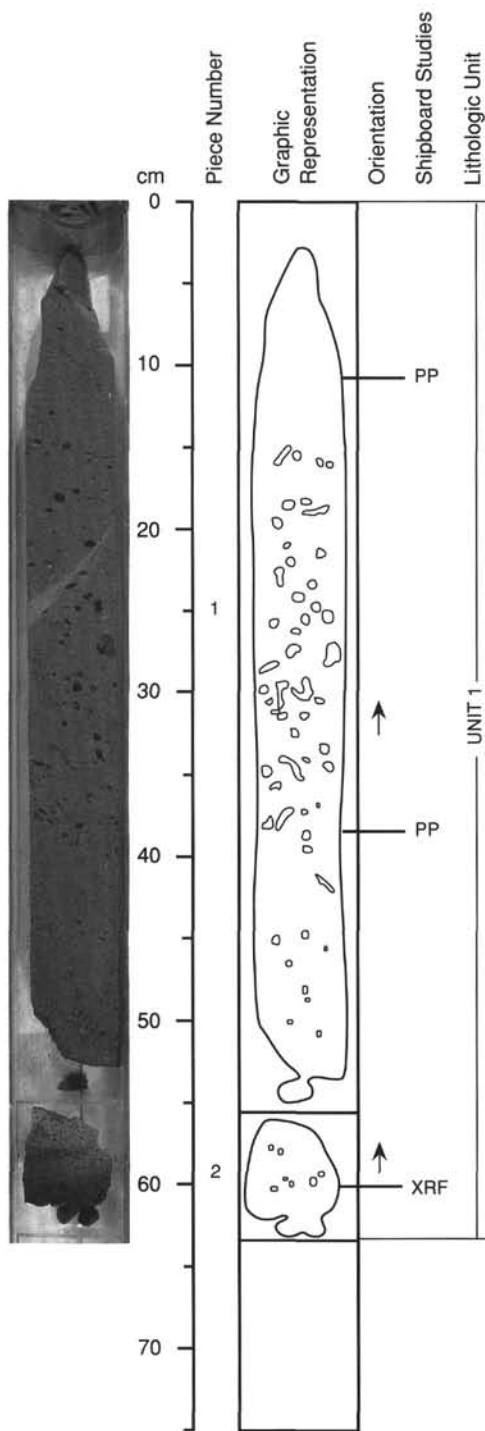
Piece 1

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 7%; <1 mm, 1.5 cm; pipe and round; fine are uniform; vesiculation increases toward bottom, vesicle trails present.
 Microfoam: Microcrystals line walls of larger vesicles.
COLOR: Dark gray.
STRUCTURE: Pillow zonation of vesicles.
ALTERATION: Fresh.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: 10 cm rounded basalt xenolith or filled vesicle.

UNIT 1: APHYRIC BASALT

Piece 2

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 15%; <1 mm, 1.5 cm; round; vesicle zones are banded; concentration of vesicles greater at bottom but size decreases.
COLOR: Dark gray.
STRUCTURE: Pillow (from vesicle banding and glassy basal surface).
ALTERATION: Fresh, red brown mineral fills some vesicles, yellow green clay.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: 10 cm rounded basalt xenolith or filled vesicle.

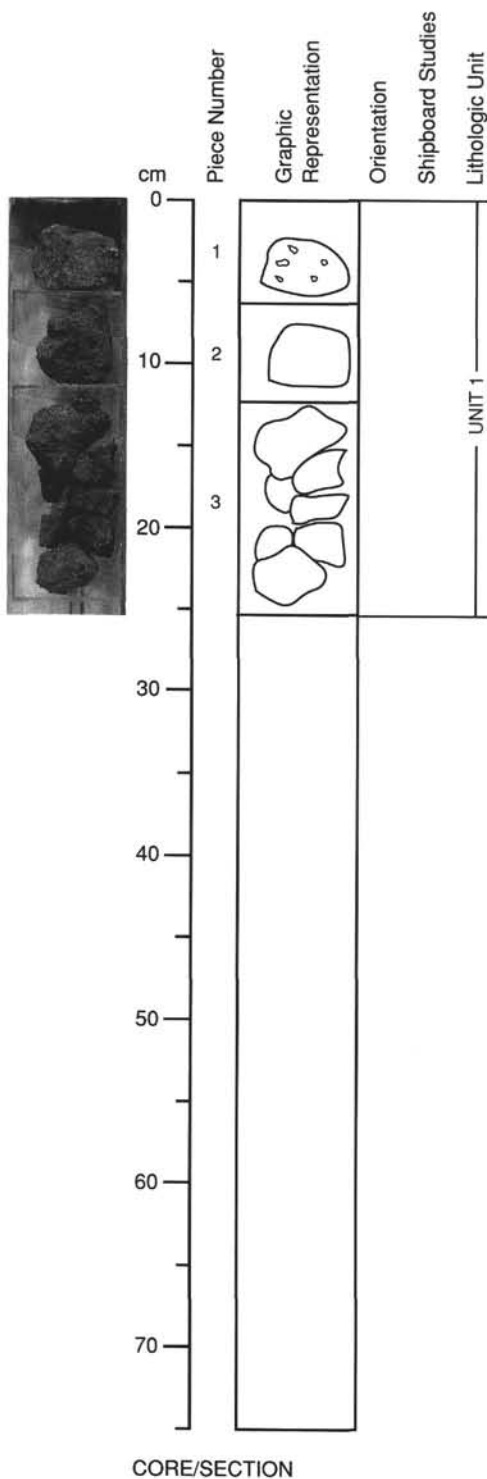


CORE/SECTION

132-809F-12Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-3



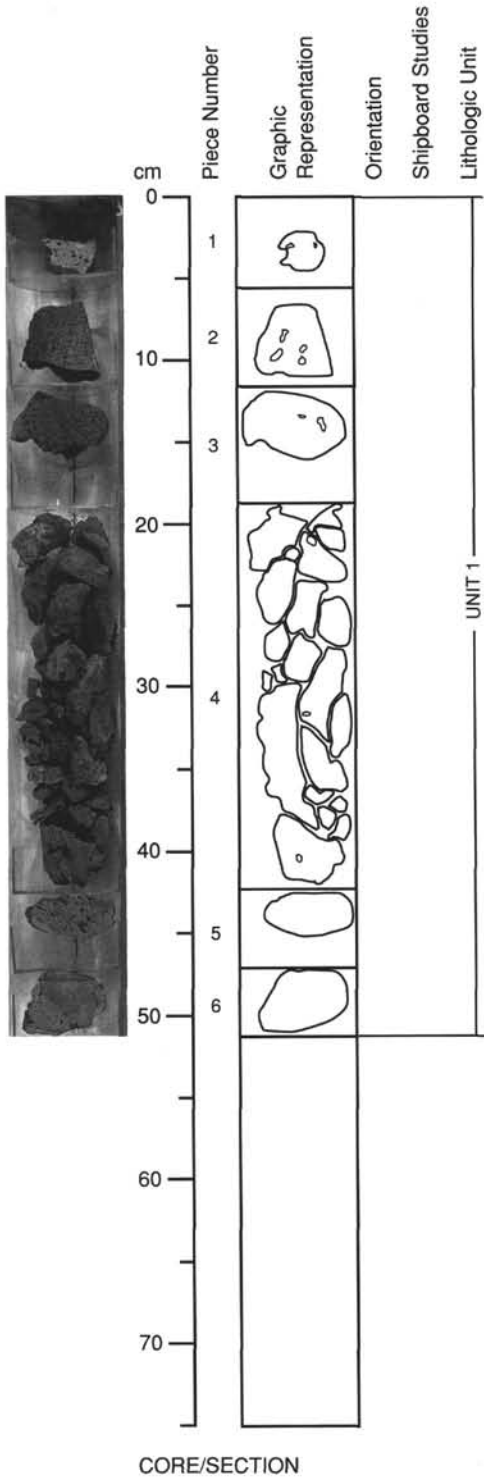
CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5%; average 3 mm; round; ovoid; uniform.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Red brown clay mineral.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: The plastic core liner has been melted onto some pieces during removal from the barrel (especially Piece 3).

132-809F-12Z-2

UNIT 1: APHYRIC BASALT

Pieces 1-6

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5-10%; <1 mm to 5 mm; ovoid, pipe; fine are uniform, zoned; Piece 2 and Piece 3 have bands of vesicles with frothy layer. Some vesicles filled with vesiculated basalt.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, light yellow brown clay on some surfaces and vesicles.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: The plastic core liner has been melted onto some pieces during removal from the barrel (especially Piece 3).

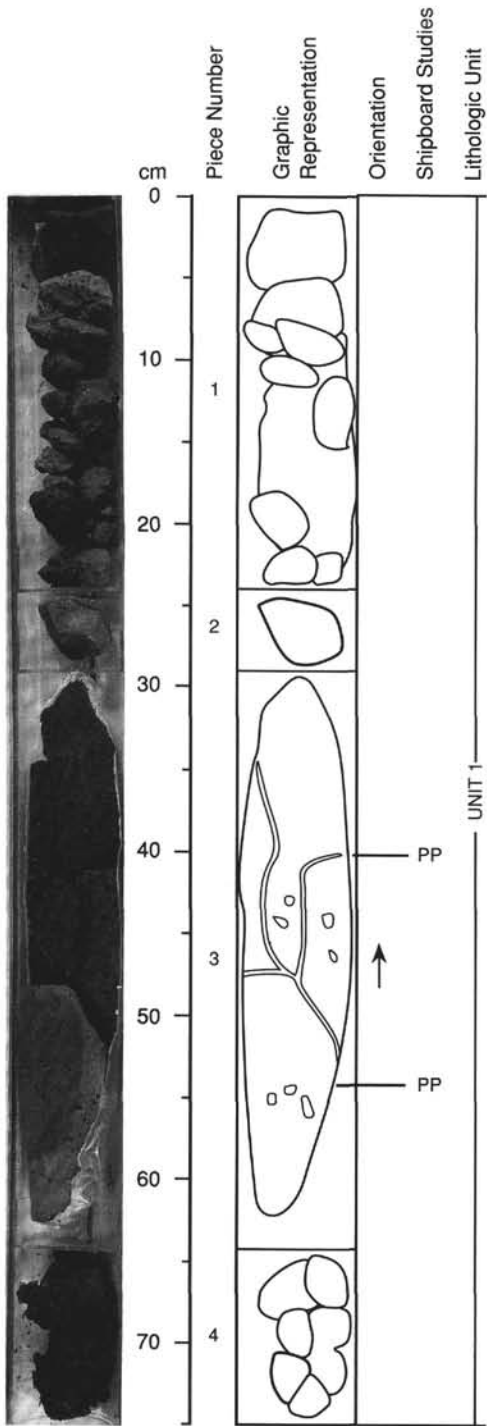


132-809F-13Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-4

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5-20%; <1 mm to 3 mm; ovoid, pipe; fine are uniform, zoned.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, red brown and yellow brown clay on ppt on some surfaces.
VEINS/FRACTURES: Alteration on internal surfaces to core suggest that rock was fractured before drilling.



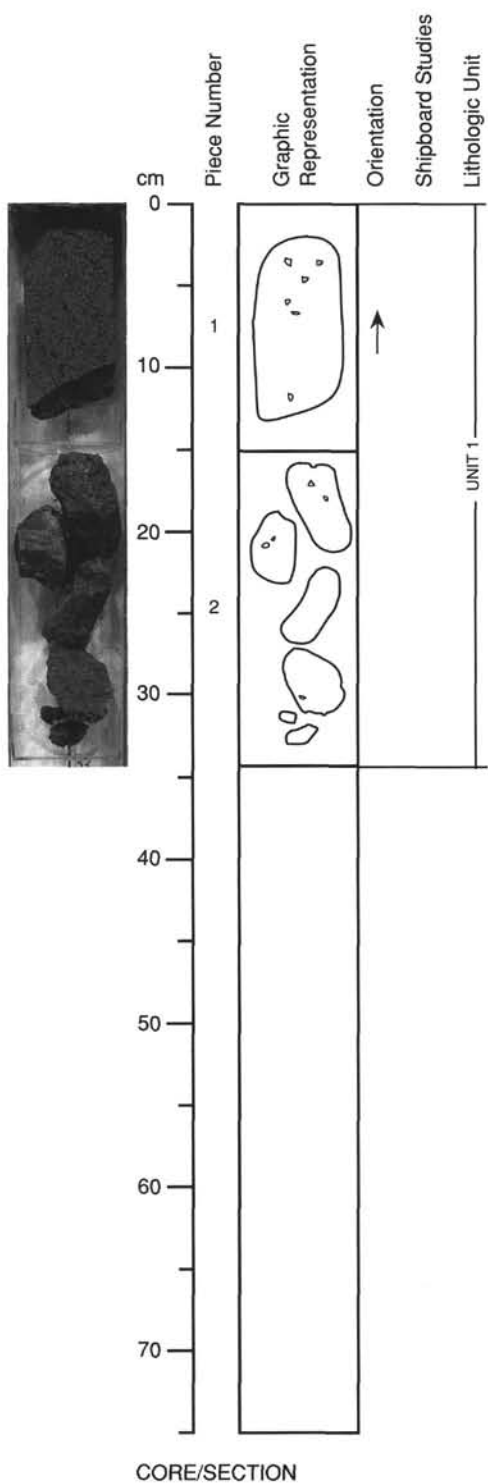
CORE/SECTION

132-809F-13Z-2

UNIT 1: APHYRIC BASALT

Pieces 1-2

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: *Uniformly fine grained.*
VESICLES: 10%; 1 mm to 3 mm; ovoid; fine are uniform, zoned.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, yellow clay on Piece 2, precipitated on lower surface of Piece 1.



UNIT 1: APHYRIC BASALT

Pieces 1-7

CONTACTS: Pillow margin on Piece 2.

PHENOCRYSTS: None.

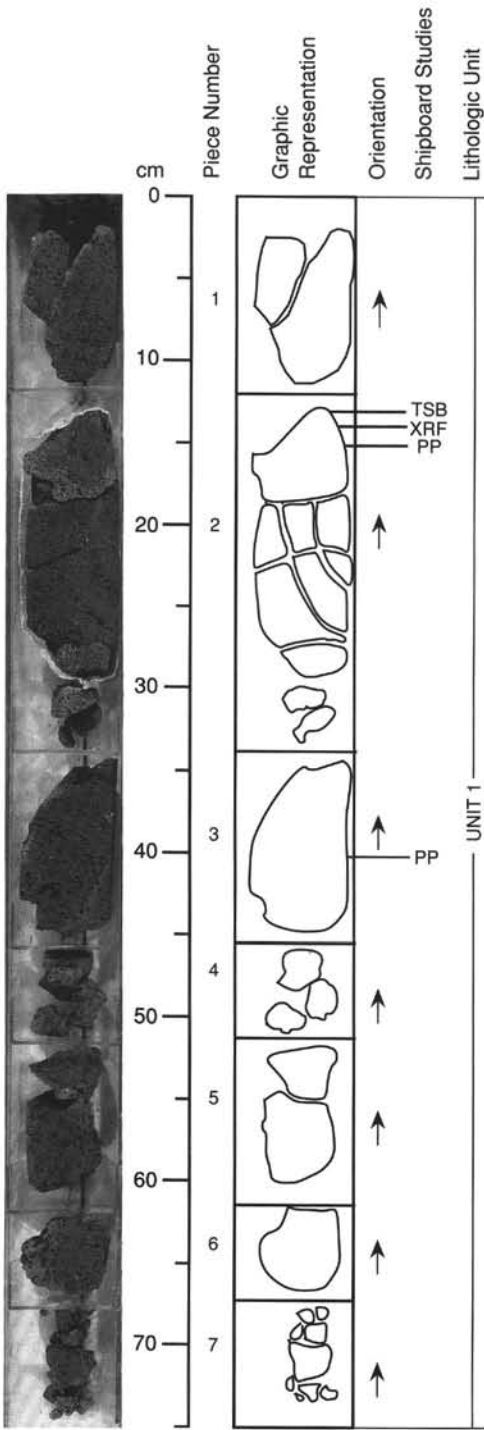
GROUNDMASS: Uniformly fine grained.

VESICLES: 10%; 1 m to 3 mm; round/ovoid; zoned; vesicles in Piece 2 are zoned parallel to the pillow margin.

COLOR: Dark gray.

STRUCTURE: Pillow.

ALTERATION: Fresh, clay alteration on some surfaces (top and bottom of Piece 7).



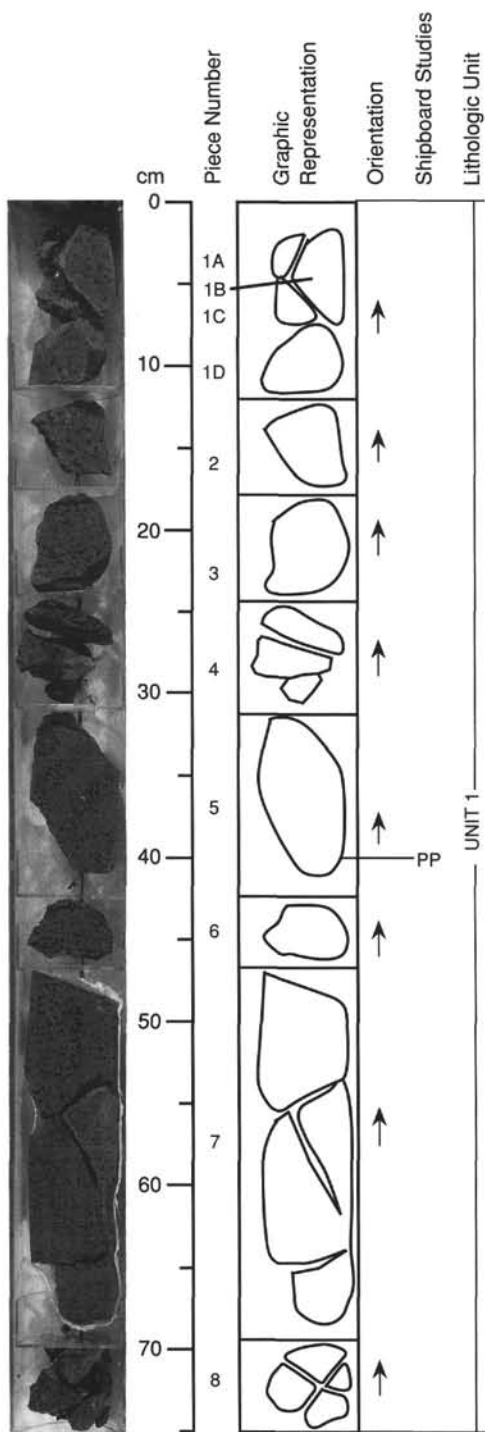
CORE/SECTION

132-809F-14Z-2

UNIT 1: APHYRIC BASALT

Pieces 1-8

CONTACTS: Pillow contact at base of Piece 7.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10-15%; 2 mm average; variable; uniform, fine near quenched margin; segregation vesicles.
COLOR: Dark gray.
STRUCTURE: Pillow.
ALTERATION: Fresh, yellow brown clay on some surfaces.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: Glass on Piece 4 and Piece 7.

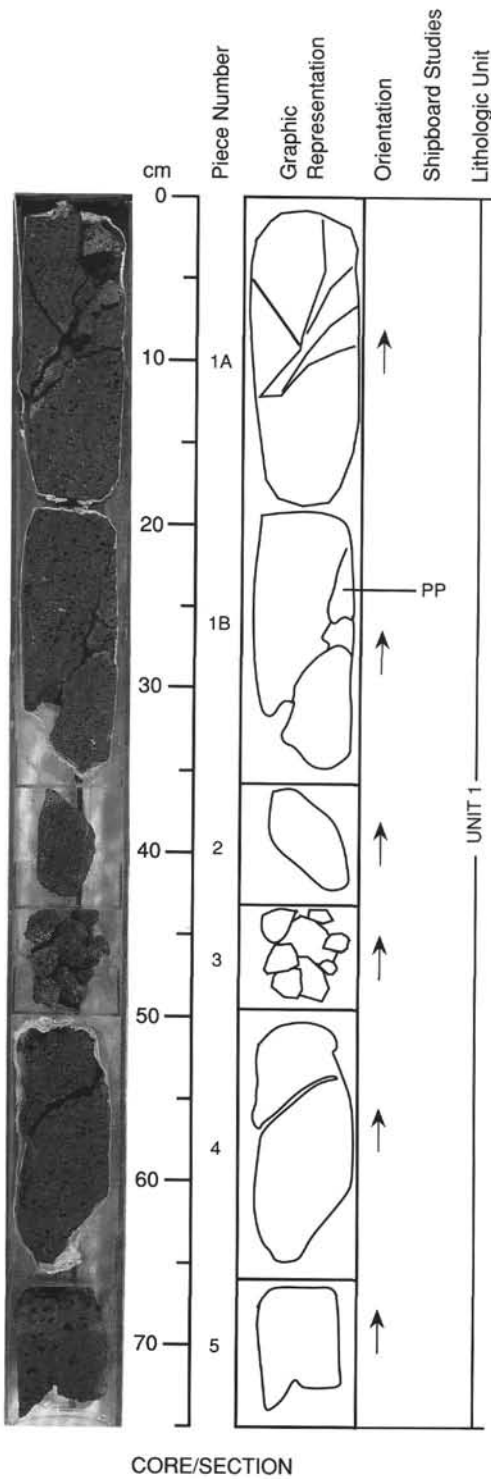


CORE/SECTION

UNIT 1: APHYRIC BASALT

Pieces 1-5

CONTACTS: Pillow margin at base of Piece 4.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10-15%; average 3 mm; variable; fine uniform 3 cm on Piece 3; larger vesicles are filled with finely vesiculated basalt.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, minor red clay mineralization on some surfaces.
VEINS/FRACTURES: Pieces 1A and 1B have fractures with minor clay mineralization.



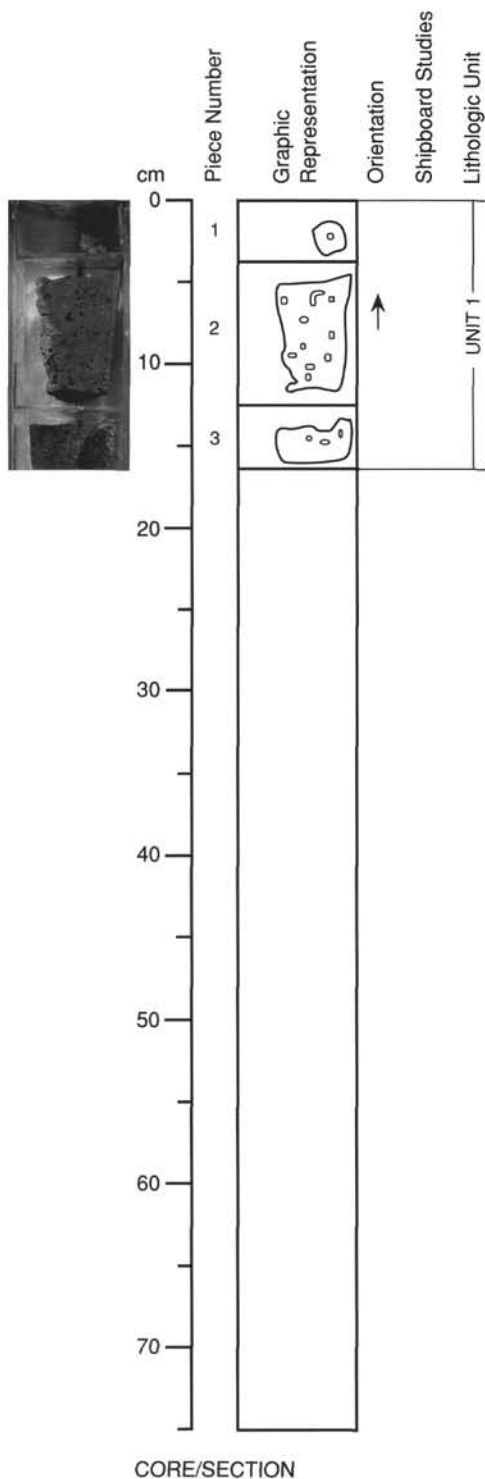
CORE/SECTION

132-809F-15Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-3

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10%; average 3 mm; variable; fine uniform.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, minor alteration on fracture surface.
VEINS/FRACTURES: Piece 2 has a vertical fracture.

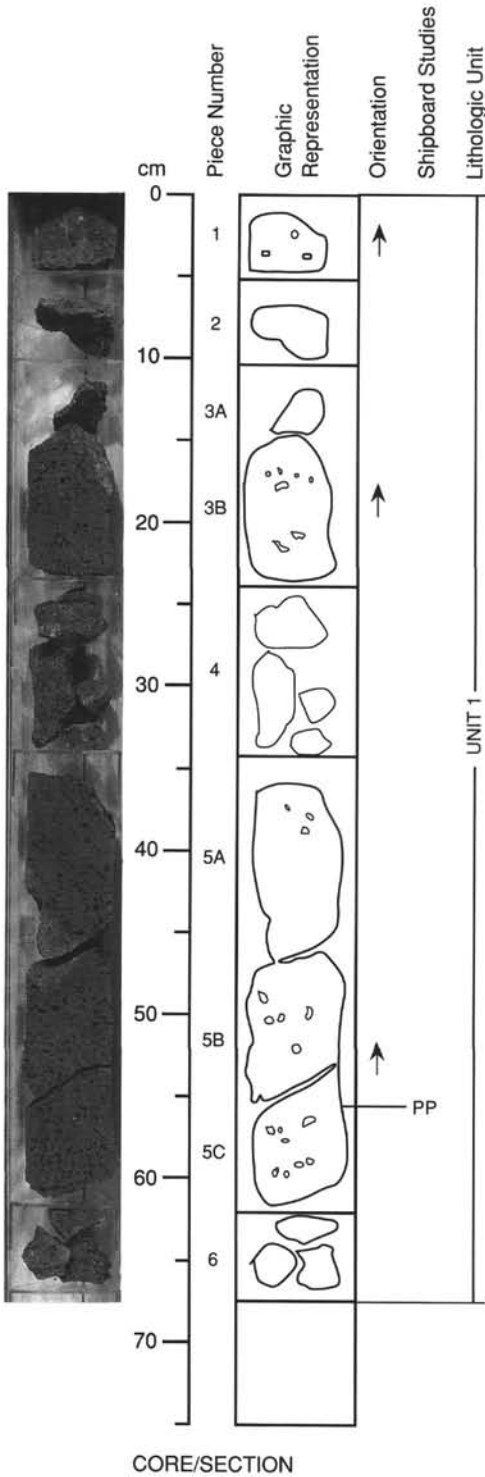


132-809F-16Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-6

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10%; average 3 mm, largest 3 mm; variable; fine uniform.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, minor clay precipitated on surfaces and in some vesicles.
VEINS/FRACTURES: Piece 2 has a vertical fracture.

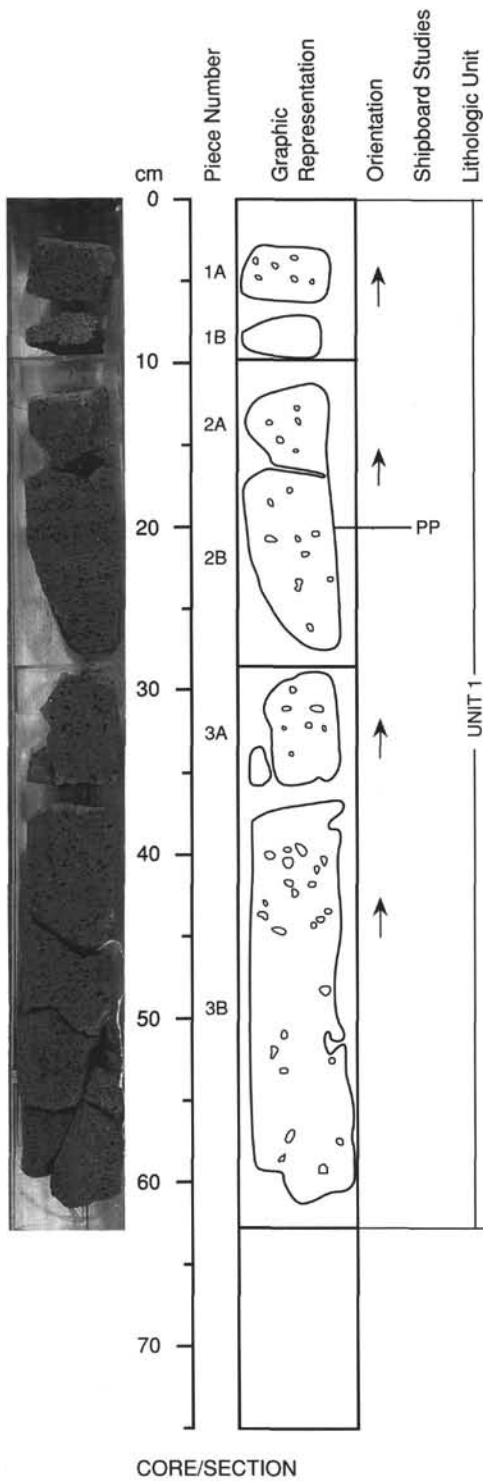


132-809F-16Z-2

UNIT 1: APHYRIC BASALT

Pieces 1-3

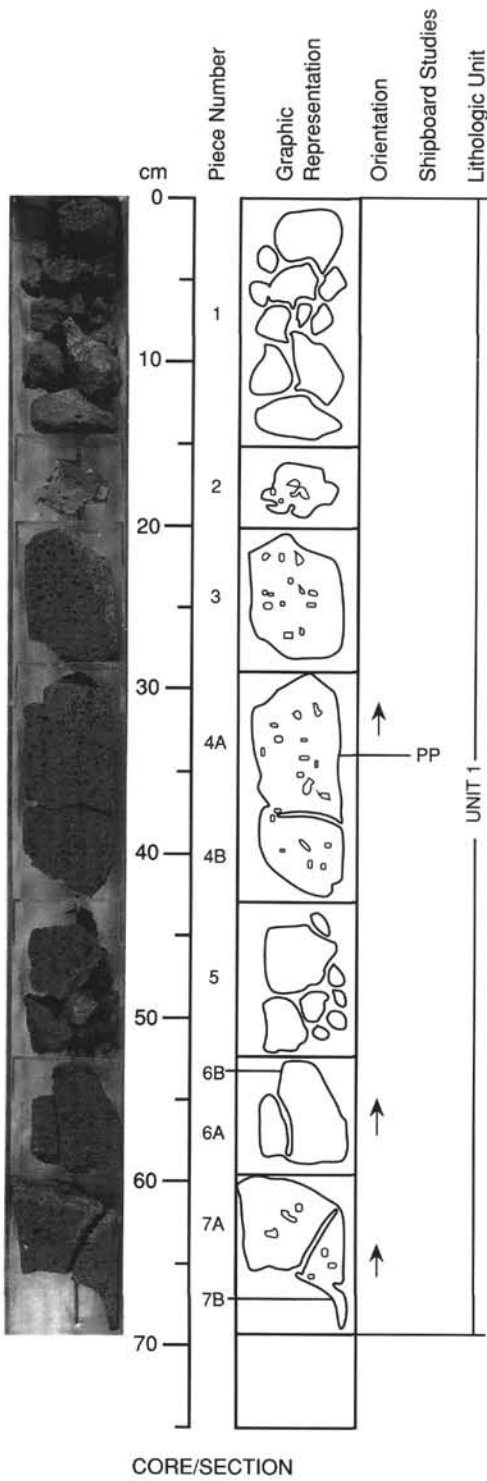
CONTACTS: Pillow margin on Piece 1B.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10%; <1 mm to 3 mm, maximum 3 mm; variable; fine uniform.
COLOR: Dark gray.
STRUCTURE: Pillow.
ALTERATION: Fresh, red brown clay on some surfaces, glassy margin on Piece 1B.
VEINS/FRACTURES: Piece 3B has fractures.



UNIT 1: APHYRIC BASALT

Pieces 1-7

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 10%; <1 mm to 3 mm, maximum 3 mm; variable; fine uniform; Piece 2 has pipe vesicles infilled with vesiculated basalt.
COLOR: Dark gray.
STRUCTURE: Pillow (zoning in vesicles).
ALTERATION: Fresh, minor mineralization (red brown, yellow green clay) at top of Piece 7 on some other surfaces.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: Significant silica(?) precipitated inside large cavity in Piece 2.

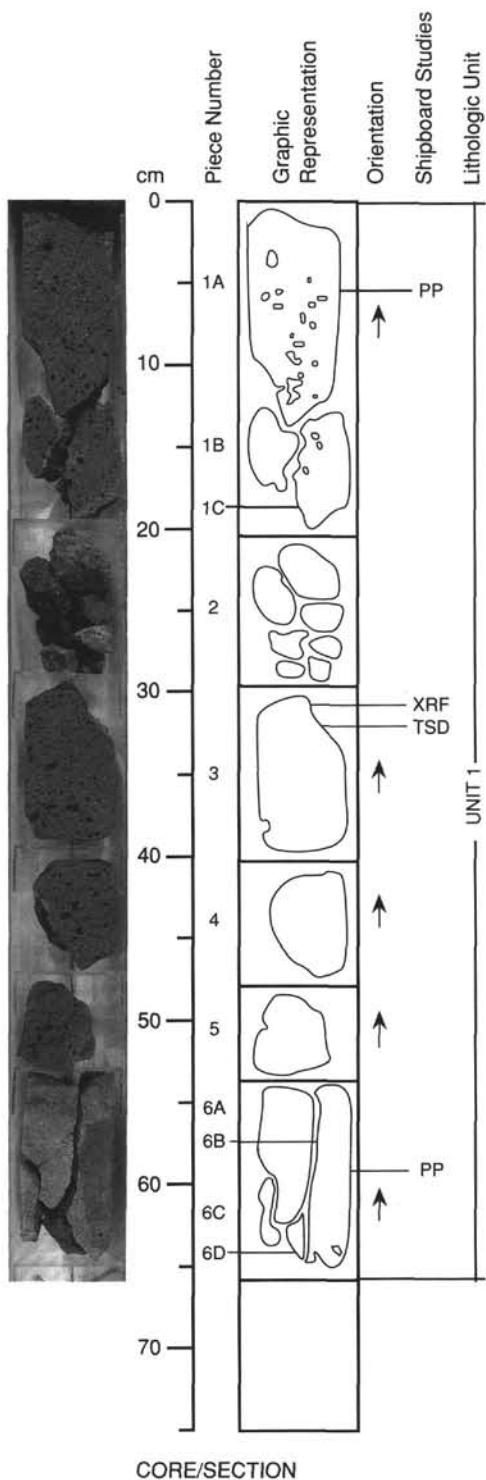


132-809F-17Z-2

UNIT 1: APHYRIC BASALT

Pieces 1-6

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 15%; <1 mm to 3 mm, maximum, 1 cm; variable; fine uniform; in Piece 6 maximum vesicle size is 2 mm.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, minor mineralization (red brown, yellow green clay) on most pieces.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: 4 mm amplitude on core cut.

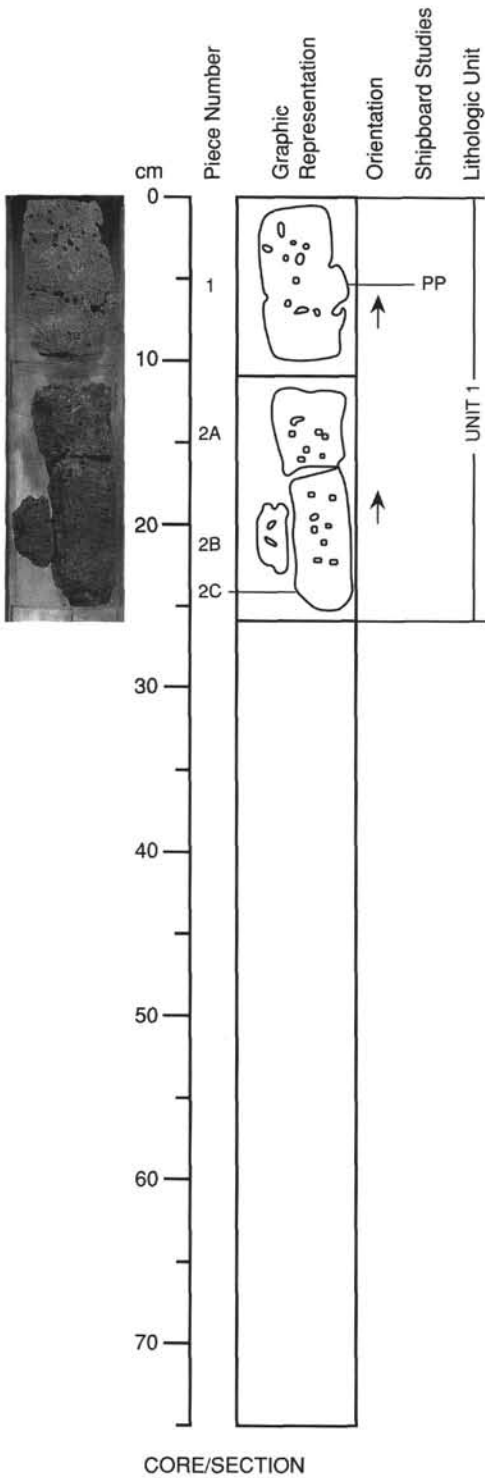


CORE/SECTION

UNIT 1: APHYRIC BASALT

Pieces 1-2

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 15%; <1 mm common, maximum 1 cm; variable; fine uniform; in Piece 1 maximum vesicle size is 2 mm.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh, minor mineralization (red brown, yellow green clay) on Piece 2, 2 vesicles in Piece 1 are lined with green clay mineral.
VEINS/FRACTURES: None.

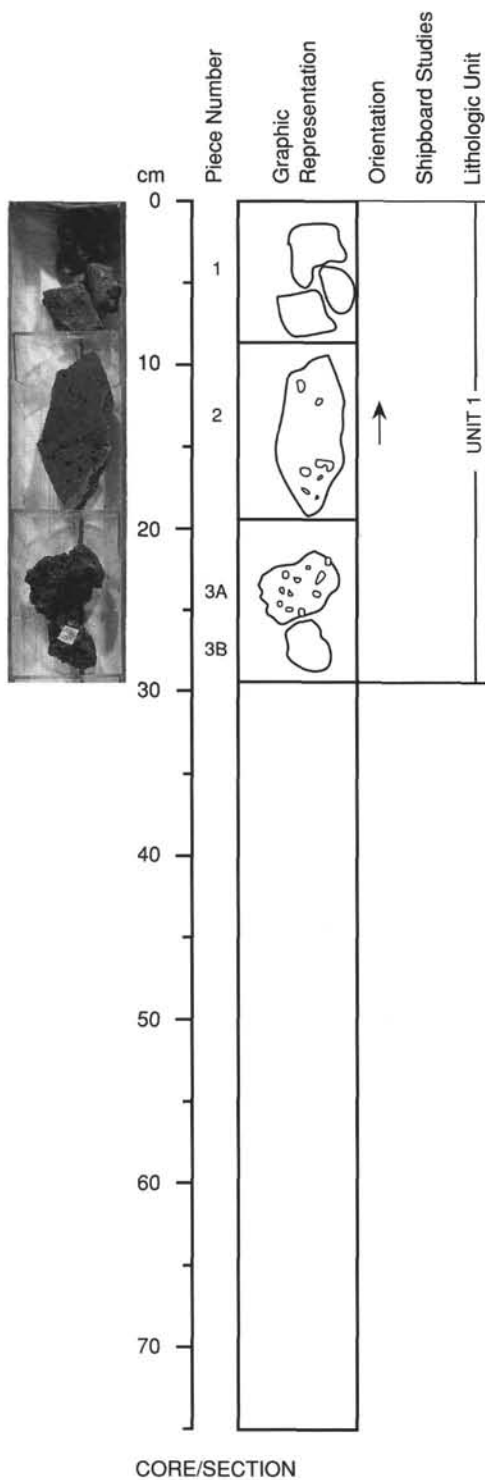


132-809F-18Z-1

UNIT 1: APHYRIC BASALT

Pieces 1-3

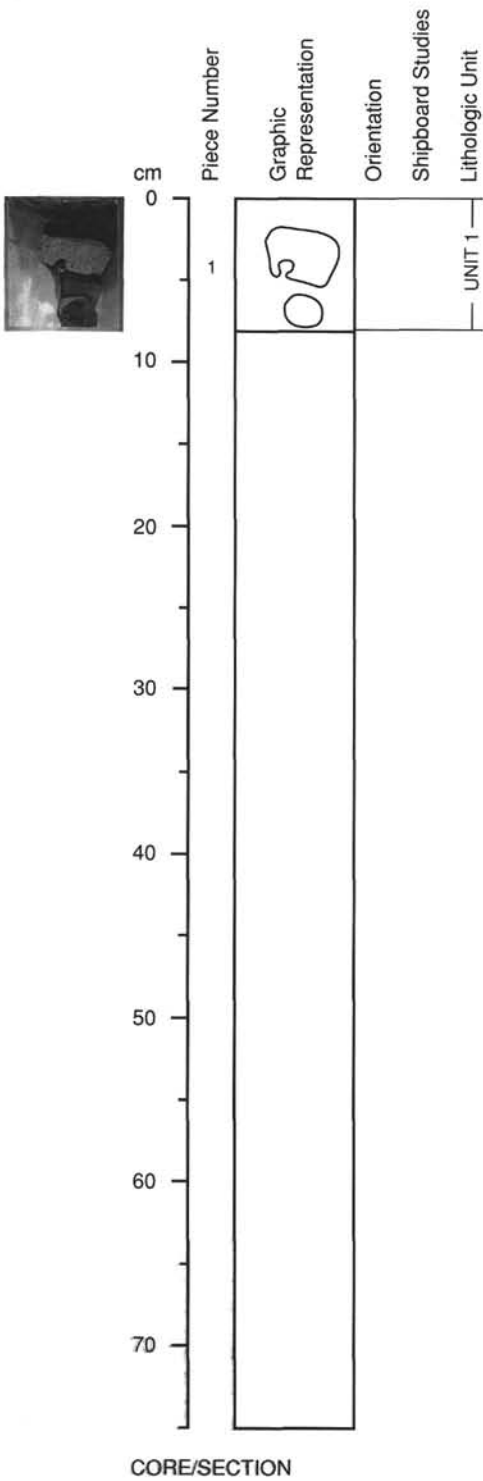
CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 15-30%; <1 mm to 5 mm; variable; fine uniform; vesicle content in Piece 3 is 30%.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: 1 vesicle lined with red hydrothermal mineral.
VEINS/FRACTURES: None.



UNIT 1: APHYRIC BASALT

Piece 1

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5%; 1 mm, one 9 mm; variable; fine uniform.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh.
VEINS/FRACTURES: None.

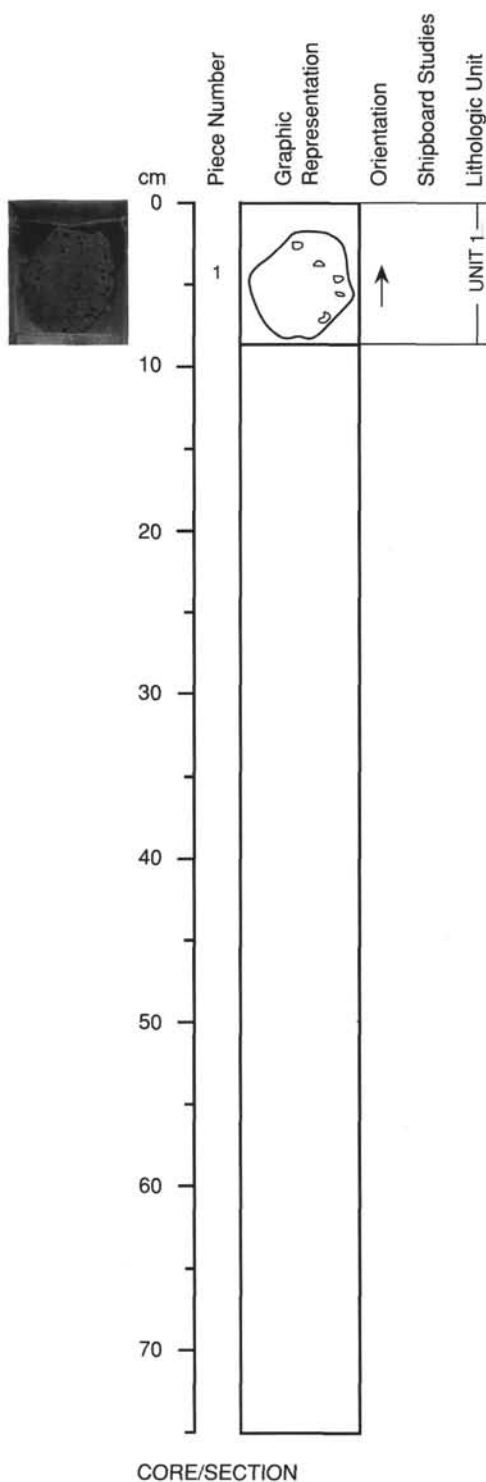


132-809F-32Z-1

UNIT 2: APHYRIC BASALT

Piece 1

CONTACTS: None.
PHENOCRYSTS: Only phenocryst found in core plagioclase - <1%; 3 mm; one grain.
GROUNDMASS: Uniformly fine grained.
VESICLES: 5-10%; 1-3 mm, 3 mm maximum; variable; fine uniform.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh.
VEINS/FRACTURES: None.

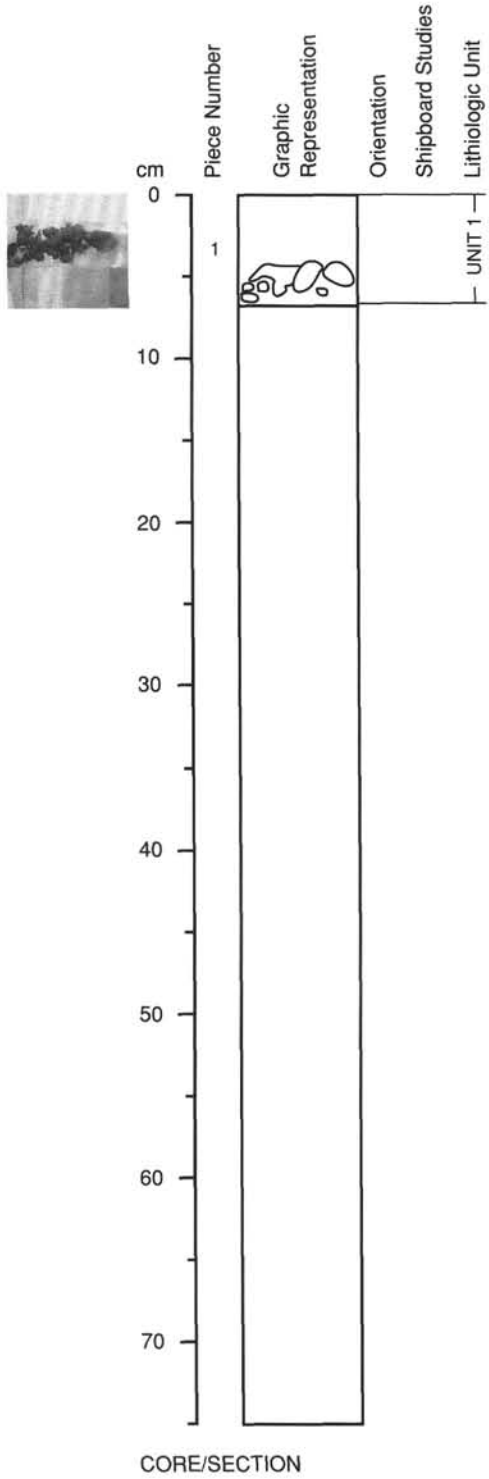


CORE/SECTION

UNIT 1: UNCONSOLIDATED DEBRIS

Piece 1

CONTACTS: None.
PHENOCRYSTS: None.
GROUNDMASS: None.
VESICLES: None.
COLOR: Mixed.
STRUCTURE: None.
ALTERATION: None.
VEINS/FRACTURES: None.

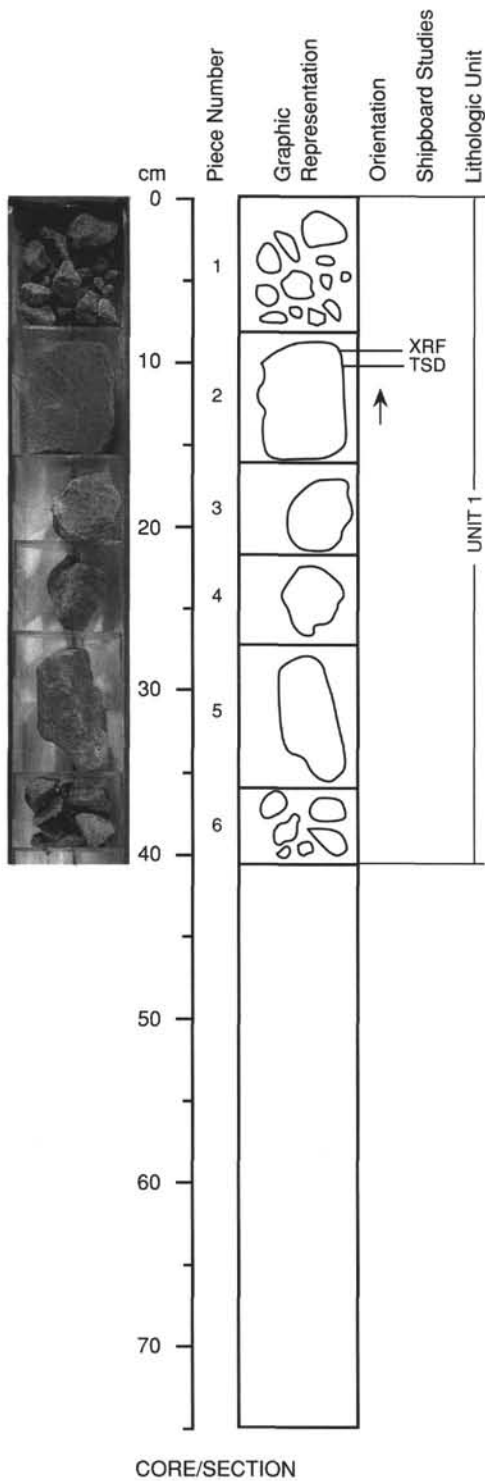


132-809F-34B-1

UNIT 2: APHYRIC BASALT

Pieces 1-6

CONTACTS: None.
PHENOCRYSTS:
GROUNDMASS: Uniformly fine grained.
VESICLES: 5-10%; 1 to 3 mm; variable; fine uniform.
COLOR: Dark gray.
STRUCTURE: Massive.
ALTERATION: Fresh.
VEINS/FRACTURES: None.
ADDITIONAL COMMENTS: Samples were covered with silt-sand particles cleaned of some pieces by ultrasound. Impressions of center bit on Piece 2.



SITE 809

132-809F-2Z-01 (Piece 2A,21-24 cm)

OBSERVER: NAT

WHERE SAMPLED: FLOW MARGIN

ROCK NAME: Vesicular basalt

GRAIN SIZE: FINE

TEXTURE: SPHERULITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
CPX	10	10	.1-.2		DENDRITIC	SMALL
PLAG	20	20	<1		ACICULAR	
TI-MAGNETITE	5	5	<.05		SKELETAL	TINY, 2 GENERATIONS
MESOSTASIS	65	65	<0.01		NONE	TINY XLS
SULFIDES	0	0	0		NONE	NO SULFIDES

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	10	ALL OVER	.5-1	EMPTY	IRREG.

132-809F-8Z-01 (Piece 1A,2-4 cm)

OBSERVER: NAT

WHERE SAMPLED: PILLOW/FLOW INTERIOR

ROCK NAME: Vesicular basalt

GRAIN SIZE: FINE/MED

TEXTURE: INTERSERTAL/HYALOPILITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
PLAGIOCLASE	TR	TR	.3		EUHEDRAL	ONE CRYSTAL
GROUNDMASS						
CPX	25	25	.2-.4		EQUANT	
PLAGIOCLASE	60	60	.2-.6		ELONGATE	
TI-MAGNETITE	5	5	.1-.2		SKELETAL	2 GENERATIONS
ILMENITE	TR	TR	<.1		RODS	
SULFIDES	TR	TR	<<.1		SPHERULES	(MESOSTASIS = 10%)

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	5	ALL OVER	1-33	EMPTY	IRREG	ROCK HAS LARGE SEGREGATION VEINLET, FINE GRAINED, ITSELF WITH SMALL INTERNAL VESICLES.

132-809F-11Z-02 (Piece 1,37-40 cm)

OBSERVER: NAT

WHERE SAMPLED: FLOW INTERIOR

ROCK NAME: Vesicular basalt

GRAIN SIZE: FINE-MEDIUM

TEXTURE: INTERSERTAL/HYALOPILITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
NONE	0	0	0		NONE	APHYRIC
GROUNDMASS						
CPX	25	25	.1-1		EQUANT	
PLAGIOCLASE	60	60J	1-2		MICROLITIC	
TI-MAGNETITE	5	5	<0.1		SKELETAL	
ILMENITE	TR	TR	<0.01		RODS	
SULFIDES	TR	TR	<<0.01		SPHERULES	(MESOSTASIS = 10%)
VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	20	ALL OVER	1-3	EMPTY	IRREG	SEGREGATION VEINLETS AND VESICLES. DARKER MESOSTASIS IS FINER-GRAINED THAN REST OF ROCK. HAS CPX, PLAG, TI-MAG AND ILMENITE.

132-809F-14Z-01 (Piece 1B,10-12 cm)

OBSERVER: NAT

WHERE SAMPLED: NEAR PILLOW/FLOW RIM

ROCK NAME: Basalt

GRAIN SIZE: FINE

TEXTURE: SUB-SPHERULITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
PLAGIOCLASE	3	3	2-3		SKELETAL	DEVIT. GLASS INCLUSIONS
GROUNDMASS						
PLAG	20	20	1-3		BLADED	MICROLITIC, DENDRITIC
CPX	15	15	.5-1		SKELETAL	INTERGROWN W. PLAG
OL	5	5	.5-1		HOPPER XLS	
TI-MAGNETITE	TR	TR	<0.1		SKELETAL	
MESOSTASIS	60	60	<<.01		IRRESOLVABLE	NO SULFIDES
SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING				COMMENTS
IDDINGSITE	TR	OLIVINE				
VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	15	ALL OVER	0.5	NONE	IRREG.	
VESICLES	5		2-4	NONE	ROUNDED	SOME GLASS ON EDGES

SITE 809

132-809F-16Z-01 (Piece 5A,42-45 cm)

OBSERVER: NAT

WHERE SAMPLED: FLOW INTERIOR

ROCK NAME: Basalt

GRAIN SIZE: FINE-MEDIUM

TEXTURE: HYALOPILITIC/INTERSERTAL

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
PLAGIOCLASE	5	5	3x5		EQUANT	ONE CRYSTAL
CPX	3	3	1X2		EQUANT	INTERGROWN WITH PLAG
GROUNDMASS						
CPX	45	45	.2-.4		DENDRITIC	BROWNISH
PLAGIOCLASE	40	40	.5-1		MICROLITIC	
TI-MAGNETITE	5	5	0.01		SKELETAL	
ILMENITE	TR	TR	<0.01		RODS	
SULFIDES	TR	TR	<0.01		SPHERULES	(MESOSTASIS = 10%)
SECONDARY MINERALOGY						
NONE	0	REPLACING/ FILLING NONE			THE ROCK IS FRESH	COMMENTS
VESICLES/CAVITIES						
Vesicles	10	LOCATION ALL OVER	SIZE (mm) 1-2	FILLING NONE		SHAPE IRREGULAR

132-809F-17Z-02 (Piece 3,36-39 cm)

OBSERVER: NAT

WHERE SAMPLED: PILLOW INTERIOR

ROCK NAME: Vesicular basalt

GRAIN SIZE: FINE-GRAINED

TEXTURE: HYALOPILITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
NONE	0	0	0		INVISIBLE	
GROUNDMASS						
OLIVINE	1	1	.5-1		EQUANT	
CPX	25	25	.5-1		EQUANT	DENDRITIC
PLAGIOCLASE	40	40	1-3		ACICULAR	MICROLITES
TI-MAGNETITE	3-5	3-5	<0.1		SKELETAL	(TRACE SULFIDES)
ILMENITE	TR	TR	<0.01		RODS	(MESOSTASIS = 30%)
SECONDARY MINERALOGY						
NONE	0	REPLACING/ FILLING NONE			THE ROCK IS FRESH	COMMENTS
VESICLES/CAVITIES						
Vesicles	20	LOCATION SCATTERED	SIZE (mm) 2-10	FILLING EMPTY		SHAPE IRREGULAR COMMENTS SEGREGATION VESICLES

132-809F-22Z-01 (Piece 2,5-7 cm)

OBSERVER: NAT

WHERE SAMPLED: FLOW INTERIOR

ROCK NAME: Basalt

GRAIN SIZE: FINE/VERY FINE

TEXTURE: INTERSERTAL/HYALOPILITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS NONE	0	0	0		NONE	APHYRIC
GROUNDMASS						
CPX	45	45	.1-.3		DENDRITIC	
PLAGIOCLASE	35	35	.3-.5		ACICULAR	
TI-MAGNETITE	5	5	.1		SKELETAL	
MESOSTASIS	10	10	<0.01		TINY	TR ILMENITE, SULFIDES

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
NONE	0	0	THE ROCK IS FRESH

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE
Vesicles	10	ALL OVER	0.5-1	EMPTY	IRREGULAR

COMMENTS: ROCK HAS TWO GRAIN SIZES (HYBRID)

132-809F-34B-01 (Piece 2,8-10 cm)

OBSERVER: NAT

WHERE SAMPLED: FLOW INTERIOR

ROCK NAME: Basalt

GRAIN SIZE: MEDIUM

TEXTURE: INTERSERTAL/HYALOPILITIC

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS NONE	0	0	0		NONE	APHYRIC
GROUNDMASS						
OLIVINE	5	5	1-2		EQUANT	NO SPINEL
CPX	35	35	1-2		EQUANT	DENDRITIC
PLAGIOCLASE	40	40	1-3		MICROLITES	
TI-MAGNETITE	3-5	3-5	<0.03		SKELETAL	
MESOSTASIS	15	15	<0.01		TINY	(TR ILMENITE, SULFIDES)

SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING	COMMENTS
NONE	0	NONE	THE ROCK IS FRESH

VESICLES/ CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	10	ALL OVER	.5-1	EMPTY	IRREG	SOME ROUND