CORE No. 52	Date: 9/18/74	Logged by:	CORE ANALYSIS SUMMARY SHEET
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: H-P
Latitude: 36° 36.3' N	Date Sampled:		Water Depth: (fms (m)
Longitude: 33° 33.8' W	Core Serial No.:		Core Length: 99 (cm)

NOTES:

1 cm WATER ON TOP OF CORE

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (8) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (~~g/cm²~~)	Cohesion (Cr) KPa Remold (~~g/cm²~~)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FROM COULTER COUNTER ANALYSIS 4.0 - 9.0 Ø	Size and Composition Sand * %	Silt * %	Clay * %	< 62.5μ *	* Total Carbonate (%)	* Organic Carbon (%)	* % Heavy Minerals
0-26 cm VERY SLIGHT MOTTLING IN 0																								
YELLOWISH BRN MATRIX - NO OTHER STRUCTURE		10YR 6/5	SILTY-CLAY w/	0-1/0-3	2.78	1.42	117	3.9		2.1	3.2	76.4					7.0	21.3	49.8	28.9				
26-40 cm STRONGER MOTTLING - COLOR 10			SOME FORAMS	3-4/4-7			115	4.2		2.2							7.5	15.9	37.1	47.0				
GRADUALLY CHANGES TO 10 YR 6/3				6-7/0-7	2.76	1.45	105		1.9		2.9	74.4	79	53	26									
40-45 cm DARK BROWN IRREGULAR 20				9-10			105																	
UNDULATING BANDS - BECOME LIGHTER				14-15			106																	
IN COLOR TO 50 cm 30				16-17/16-19	2.71	1.45	104	5.0		8.5	2.8	73.9					7.5	15.7	42.3	42.0				
49-53 cm CONCENTRATION OF WELL ROUNDED				23-24/16-23			104	0.6					64	48	15									
PEBBLES ABOUT 1 cm IN DIAMETER 40				26-27			104																	
OTHER PEBBLES AT 26, 35 & 45 cm				32-33			91																	
53 cm COLOR CHANGE TO LIGHT GRAY - 50		10YR 7/1		26-37/36-39	2.72	1.49	91	4.5		2.4	2.5	71.3					6.9	19.0	46.5	34.5				
GRADUAL CHANGE FROM 50-53 cm.				42-43/36-43			90		1.8				61	44	17									
63-85 cm COLOR GRADUALLY DARKENS 60				44-45			99																	
TO 10 YR 7/3 AT 74 cm.				50-51			99																	
85 cm GREEN LAYERING BEGINS - SHARP 70				56-57	2.71	1.48	93				2.5	71.7												
CONTACTS IN CLAY MATRIX		10YR 7/3		61-62			109																	
SEE PHOTOS FOR DETAILS 80				65-66/65-68	2.74	1.41	120	131.8		2.8	3.3	76.7					6.7	24.8	56.0	19.2				
				71-72/65-72			135		4.6				104	56	48									
90				75-76			136																	
				82-83			155																	
100				90-91			121																	
	99 cm END OF CORE			95-96	2.74	1.39	126				3.4	77.5												

MGG 03 005009

CORE No. 118	Date: 9/18/74	Logged by:	CORE ANALYSIS SUMMARY SHEET
Location:	Project Name: FAMOUS		Sample Type: H-P
Latitude: 36° 52.5' N	Date Sampled:		Water Depth: (fms (m)
Longitude: 32° 54 W	Core Serial No.:		Core Length: 47 cm (cm)

NOTES:

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit Weight (g/cm²) (B)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (g/cm²)	Cohesion (Cr) KPa Remold (g/cm²)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FROM COULTER COUNTER ANALYSIS 4.0 - 9.0 Ø	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0																								
0-8 SLIGHTLY MOTTLED YELLOWISH		10YR 6/5	SILTY CLAY	0-1/0-3	2.75	1.51	88	7.6		4.3	2.4	70.8					6.6	31.5	49.4	19.1				
BROWN SILTY CLAY WITH SOME			w/SOME	3-4/4-7			87	7.6		4.4							7.2	28.6	40.7	30.7				
5 TESTS			SAND	6-7/0-7	2.69	1.51	86		1.8		2.3	69.8	TOO	SANDY										
8-16 cm STRONGLY MOTTLED				9-10			86																	
10																								
16-24 cm SLIGHTLY MOTTLED				14-15			83																	
24-39 MOTTLING INCREASES				16-17/16-19	2.64	1.52	81	5.8		3.6	2.2	68.3					7.0	45.1	34.8	20.1				
15																								
39-42 VERY IRREGULAR DARK LAYERS				22-23/16-23			72		1.6				68	50	17									
CONTACTS GRADUAL				25-26			71																	
20																								
42-47 STRONG MOTTLING				32-33			73																	
25		10YR 6/3		35-36/35-38	2.66	1.57	71	7.8		5.2	1.9	65.4					7.0	49.0	32.5	18.5				
				41-42/35-42	2.75	1.59	71		1.5		2.0	66.2	TOO	SANDY										
30				46-47			69																	
35																								
40																								
45																								
	47 cm END OF CORE																							

MGG 03 00 5009

CORE No. 120	Date: 9/17/76	Logged by: DM
Location: Mid-Atlantic Ridge	Project Name: FAMOUS	
Latitude: 36° 35.7 N	Date Sampled:	
Longitude: 33° 36 W	Core Serial No.:	

CORE ANALYSIS SUMMARY SHEET

Sample Type: H-P

Water Depth: (fms (m)

Core Length: 118.5 (cm)

NOTES:

SLIGHT AMT OF WATER ON TOP OF CORE

OVERALL: CORE SHOWS 3 COLOR ZONES

AS DID OTHER CORES.

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (B) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural ~~(g/cm²)~~	Cohesion (Cr) KPa Remold ~~(g/cm²)~~	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FOR COULTER COUNTER ANALYSIS 4.0 - 9.0 ϕ	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0-26 cm HOMOGENEOUS YELLOWISH BROWN SILTY CLAY 0																								
w/ OCCASSIONAL FORAM TESTS AND VERY SLIGHT		10YR 5/6	SILTY-CLAY w/ occ. FORAMS	1-2			116																	
MOTTLES FROM 11-16 cm. 10				2-3/2-5	2.70	1.42	113	4.8		2.3	3.0	75.3					7.0	12.2	60.1	27.7				
26-34 MOTTLING IN A TAN MATRIX (10YR 6/3)				6-7/6-9			104	6.5		3.1							6.9	10.2	60.8	29.0				
WITH MOTTLES OF 10YR 5/6 - MOTTLES 20				2-9/9-10	2.74	1.46	101		2.1		2.8	73.4	77	60	17									
DECREASES TO 26 cm WHERE MUD BECOMES				11-12			103																	
HOMOGENEOUS TAN 34-41 cm. 30				15-16			107																	
41-45 SEDIMENT BECOMES DARKER IN COLOR WITH				17-18/17-20	2.70	1.44	106	5.4		8.0	2.9	74.2					7.1	15.0	54.5	30.5				
LIGHT TAN MOTTLES 40				23-24/17-24			102		0.7				80	53	27									
45-47 DARK BROWN BAND (10YR 4/3 WITH				27-28			98																	
SOME LIGHTER MOTTLES - BOTH TOP & 50		10YR 4/3 10YR 7/1		33-34			100																	
BOTTOM CONTACTS SMOOTHLY IRREGULAR AND				36-37/36-39	2.71	1.48	96	5.2		3.7	2.6	72.					6.3	13.9	65.2	20.9				
FAIRLY SHARP. 60				42-43/36-43			97		1.4				71	53	18									
47-51 cm. TRANSITION ZONE BETWEEN DK. BROWN				46-47	2.68	1.47	97				2.6	72.2												
ABOVE & GRAY BELOW - FAINT BANDING 70				50-51			100																	
VISIBLE AND APPEARS MOTTLED				55-56			109																	
51-59 cm. LT. GRAY MATRIX WITH HINT OF 80				62-63			115																	
BANDING W/ YELLOWISH GRAY LAYERS				65-66/65-68	2.66	1.37	129	3.0		2.3	3.4	77.4					6.9	17.9	53.1	29.0				
59-68 cm. HOMOGENEOUS LT. GRAY SILTY CLAY 90				71-72/65-72			115		1.3				88	53	35									
68-96 cm. LT. GRAY CLAY WITH OCCASIONAL				76-77			118																	
IRREGULAR NOT WELL DEFINED GREEN 100				83-84			115																	
LAYERS & DARKER ORGANIC STREAKS -				90-91			116																	
GREEN MATERIAL DRIER THAN SURROUNDING 110				97-98			109																	
MATRIX				100-101/100-103	2.73	1.44	108	3.4		1.9	3.0	74.7					7.3	13.3	46.8	39.9				
96-118.5 HOMOGENEOUS LT. GRAY SILTY CLAY 120	118.5 cm. END OF CORE			106-107/106-107			103		1.8				66	56	10									
EXCEPT FOR OCCASIONAL DK. MOTTLES				111-112			100																	
110 cm. Hmo PEBBLE - ½cm DIA. APPEARS PUMICE				118-119	2.76	1.48	96				2.7	72.7												
LIKE VERY LIGHT AND POROUS.																								

MGG 00005009

CORE No. 124	Date: 9/17/74	Logged by: DM	CORE ANALYSIS SUMMARY SHEET
Location: Mid Atlantic Ridge	Project Name: FAMOUS		Sample Type: H-P
Latitude: 36° 35′ N	Date Sampled:		Water Depth: (fms (m)
Longitude: 33° 21.3′ W	Core Serial No.:		Core Length: 119 (cm)

NOTES:

5/16 AT AMOUNT OF WATER ON

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (B) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (~~g/cm²~~)	Cohesion (Cr) KPa Remold (~~g/cm²~~)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FOR COULTER COUNTER ANALYSIS 4.0 - 9.0 ϕ	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0-26 cm YELLOWISH BROWN SILTY-CLAY w/ 0																								
OCCASSIONAL FORAMS - RARE MOTTLES OF SLIGHTLY		10YR 5/6	SILTY-CLAY	0-3/0-3	2.67	1.40	120	4.8		2.4	3.2	76.3					7.6	9.5	46.3	44.2				
LIGHTER COLORED MATERIAL - OTHERWISE HOMOGENEOUS 10			WITH OCC. FORAMS	3-4/4-7			114	6.1		3.0							6.6	11.6	63.4	25.0				
26 cm RECENT WORM BURROW			CARBONATE	6-7/0-7	2.68	1.44	105		2.0		2.8	73.8	81	55	26									
26-42 cm STRONG MOTTLING MATRIX 10YR 6/3 20			OOZE	9-10			104																	
MOTTLES OF 10YR 5/6 to LT. TAN TO DARKER				14-15			107																	
BROWN - THIS MOTTLING PROBABLY DUE TO 30	0	10YR 6/3		16-17/16-19	2.73	1.44	107	5.4		3.3	2.9	74.6					6.8	24.3	51.0	24.7				
BIOTURBATION				16-23/23-24			105		1.7				85	62	23									
42-44 cm DARK BROWN MATRIX BRN WITH LT. 40				26-27			103																	
TAN MOTTLES - IRREGULAR GRADUAL TOP CONTACT		10YR 4/2		32-33			99																	
BOTTOM CONTACT SHARP 50		10YR 4/4		36-37/36-39	2.77	1.47	100	5.0		13.0	2.8	73.4					7.3	10.9	49.7	39.4				
44-45.5 cm LT. YELLOWISH BROWN LAYER - BOTH		10YR 7/1		42-43/36-43	2.74	1.49	94		0.4		2.6	71.9	73	57	17									
CONTACTS SHARP 60				44-45	2.72	1.47	98				2.6	72.6												
44.5-119 cm LT. GRAY MATRIX CONTAINING				50-51	2.78	1.44	110				3.0	75.3												
SEVERAL GREEN POORLY DEFINED BANDS 70				56-57			85																	
(47-62 cm) OF DRIER MATERIAL - DARK				61-62			151																	
ORGANIC STREAKING PRESENT THROUGHOUT 80				65-66/65-68	2.69	1.41	115	4.7		2.5	3.1	75.6					6.8	8.5	57.6	33.9				
THIS LT. GRAY SECTION				71-72/65-72			125		1.9															
87-119 MOTTLING INCREASES SLIGHTLY FROM 90				75-76			128																	
VERY FAINT TO EASILY VISIBLE - SEVERAL				82-83			134																	
IRREGULAR DARK ORGANIC STREAKS 100				90-91			119																	
OVERALL: THE CORE IS HOMOGENEOUS IN				96-97			96																	
TEXTURE THROUGHOUT (SILTY-CLAY) 110				100-101/100-103	2.67	1.40	119	5.1		1.9	3.2	76.1					7.2	6.3	56.5	37.2				
IT SHOWS ——— AT LEAST THREE DISTINCT				106-107/100-107			121		1.9				80	54	26									
ZONES OF DIFFERENT SEDIMENTATION 120				110-111			114																	
1) 0-26 cm IRON RICH HOMOGENEOUS MATERIAL	119 cm END OF CORE			118-119	2.71	1.46	100				2.7	73.1												
2) BIOTURBATION TRANSITION ZONE																								
3) LOWER GRAY WITH GREEN BANDING &																								
SLIGHT MOTTLING INDICATING UNIQUE																								
CHEMICAL COMPOSITION FROM THAT ABOVE																								

MGG 03005000

CORE No. STA. 125	Date: 9/16/74	Logged by: BS	CORE ANALYSIS SUMMARY SHEET
Location: M.A.R.	Project Name: FAMOUS		Sample Type: H-P
Latitude: 36° 34.3' N	Date Sampled: 8/3/74		Water Depth: (fms (m)
Longitude: 33° 21' W	Core Serial No.: KNORR 42		Core Length: 48 (cm)

NOTES:
VERY SMALL AMOUNT OF H_2O ON TOP OF CORE.

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (B) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural ~~(g/cm²)~~	Cohesion (Cr) KPa Remold ~~(g/cm²)~~	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FOR COUNTER COUNTER ANALYSIS 4.0 - 9.0 ϕ	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0	SURFACE OXIDIZED																							
0-2 cm SURFACE STRONGLY OXIDIZED		2.5Y 5/4	SILTY-CLAY	0-1/0-3	2.69	1.36	137	2.3		1.1	3.7	78.5												
0-9 cm NO VISIBLE STRUCTURE SLIGHT HINT OF MOTTLING 10		2.5Y 6/2	w/OCCASIONAL	3-4/4-7	2.68	1.37	132	3.7		1.8	3.5	78.0					7.5	5.8	44.5	49.7				
PROBABLY DUE TO BIO-TURBATIONS			FORAMS	6-7/0-7			128		2.0				87	55	32									
9-12 cm DIAGONAL GRADUAL COLOR CHANGE 20		5Y 6/1		11-12			124																	
9-41 cm STRONGLY MARLED w/ NUMEROUS				16-17/16-19	2.78	1.40	125	5.7		5.9	3.5	77.7					7.1	8.7	58.3	33.0				
DARK ORGANIC SPLOTCHES 30				22-23/16-23			119		1.0				83	56	27									
AGAIN PROBABLY DUE TO BIO-				24-25	2.75	1.41	119				3.3	76.7												
TURBATIONS 40		2.5Y 6/2		30-31			109																	
41 cm RELATIVELY SHARP UNDULATING				35-36			113																	
COLOR CONTACT 50		2.5 7/2		38-39/38-41	2.70	1.42	112	10.2		6.5	3.0	75.2												
	48 cm END OF CORE			44-45/38-45	2.73	1.44	109		1.6		3.0	74.9	77	54	23									
OVERALL:																								
SILT CLAY w/ OCCASIONAL																								
FORAMS NO LAYERING VISIBLE																								
& NO OTHER VISIBLE STRUCTURE																								
TEXTURE HOMOGENEOUS THROUGHOUT																								

MGG 03005009

CORE No. 139	Date: 9/16/74	Logged by: B.S.	CORE ANALYSIS SUMMARY SHEET
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: H-P MGG 03005009
Latitude: 36° 56′ N	Date Sampled: 8/5/74		Water Depth: (fms (m)
Longitude: 33° 11′ W	Core Serial No.: KNORR 42.3		Core Length: 133 (cm)

NOTES: Slight amount of water on top of core overall: core shows at least 3 distinct zones of different sedimentation - 1) 0-40 cm brown iron Rich material 2) 40-61 cm mottled and various color banding 3) Gray material with green drier layers and tiny splotches of organics.

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color values from Munsell soil color chart	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (B) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (g/cm²)	Cohesion (Cr) KPa Remold (g/cm²)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	Mean diameter for coulter counter analysis 4.0-9.0 ø	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0																								
0-31 cm Color Consistent		10yr 6/6	silty clay w/some	1-2/0-3	2.73	1.37	134	3.3		6.7	3.7	78.6					6.9	12.7	61.2	26.1				
No visible structure 10		↓	Forams &	3-4			123																	
31-40 cm Slight Color change w/			sponge	6-7/0-7	2.72	1.36	138		0.5		3.8	79.0	84	50	34									
Faint mottling apparent. 20		10yr 6/6	spicules	13-14			110																	
40-53 cm Prominent mottling				16-17/16-19	2.77	1.43	113	5.8		8.5	3.1	75.8					6.2	11.0	69.5	19.5				
varying shades of tan 30		10yr 6/6		22-23/16-25			109		0.7				79	54	25									
54-57 cm Darker layer upper				26-27	2.78	1.44	110				3.0	75.3												
contact gradational, lower 40		10yr 6/4		33-34			111																	
contact sharp, undulating, continued				36-37/36-39	2.83	1.45	109	6.7		3.1	3.1	75.5					6.6	21.7	57.1	21.2				
mottling evident. 50		10yr 6/3		42-43/36-43	2.76	1.47	98		2.1		2.7	73.1	83	51	32									
54-61 cm. Gradational color change		2.5y 6/2		46-47			97																	
into a gray with some faint 60		10yr 7/3		52-53	2.78	1.48	97				2.7	72.9												
narrow bands visible		5G 6/1*		55-56	2.74	1.50	90				2.5	71.1												
62-64 cm. Green layer distinct 70		5Y 7/1		59-60			95																	
from surrounding gray approx.				62-63	2.70	1.47	98				2.6	72.6												
1/2 cm. thick. 80		5Y 6/1		65-66/65-68	2.74	1.46	103	7.5		3.8	2.8	73.8					6.5	15.3	61.4	28.3				
64-73 cm. Consistent grayish color		5G* 4/1		72-73/65-72			98		1.9				78	53	26									
with splotches of gray-black 90		5Y 6/1		78-79			102																	
probably due to bioturbations				80-83	2.75	1.46	101				2.8	73.5												
73-86 cm. Vertical to Diagonal 100		5Y 6/1		84-85			103																	
V-shaped structure, green in color.				90-91			106																	
material is harder than 110		5Y 6/1		96-97	2.73	1.47	98				2.7	72.8												
surrounding gray sediments				104-105/100-103	2.74	1.46	102	6.4		4.2	2.8	73.6												
89.5 cm. Narrow band of 120		5Y 7/1		106-107/100-107			104		1.5				76	55	21									
Green				110-111	2.75	1.45	105				2.9	74.3												
90-133 cm. Consistent gray 130		5Y 7/1	↓	118-119			103																	
color with some mottling	133 cm end of core			123-124			95																	
& bio-turbations gray-black				124-128													6.9	26.9	49.4	23.7				
splotches.				129-130	2.70	1.49	90				2.4	70.9												

* value from GSH Rock Chart

MGG 03005009

CORE No. 147	Date: 9/17/74	Logged by: DM	CORE ANALYSIS SUMMARY SHEET	NOTES:
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: H-P	SLIGHT AMOUNT OF WATER ON TOP OF CORE
Latitude: 36° 34′ N	Date Sampled:		Water Depth: (fms (m)	Marine Geology & Geophysics Laboratory, AOML 15 Rickenbacker Causeway Miami, Florida - 33149
Longitude: 33° 39′ W	Core Serial No.:		Core Length: 127 cm (cm)	

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit Weight (B) (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural ~~(g/cm²)~~	Cohesion (Cr) KPa Remold ~~(g/cm²)~~	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FROM COULTER COUNTER ANALYSIS 4.0 - 9.0 ø	Size and Composition: Sand %	Silt %	Clay %	<62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0-26 cm HOMOGENEOUS YELLOWISH BROWN 0																								
SILTY CLAY - NO VISIBLE STRUCTURE		10YR 5/-	SILTY-CLAY	1-2/0-3	2.79	1.38	132	2.3		5.6	3.7	78.7					6.8	16.2	57.5	26.3				
26-36 cm GRADUAL CHANGE FROM YELLOWISH BRN 10			W/ REC	3-4/4-7			116	2.5		6.1							7.1	16.6	53.4	30.0				
TO THE 10YR 6/3 LAYER WHILE MOTTLED			FORAMS	6-7/0-7	2.70	1.40	120		0.4		3.2	76.4	85	57	28									
36-44 cm TAN MATRIX W/RARE LT. TAN 20				9-10			106																	
MOTTLES				15-16			103																	
44-49 cm VERY STRONGLY MOTTLED - COLORS 30				16-17/16-19	2.74	1.44	108	4.6		2.3	3.0	74.8					6.8	15.8	59.4	24.8				
RANGE FROM DK BROWN TO YELLOWISH BRN TO				22-23/16-23			104		2.1				72	52	20									
LT. TAN - APPEARS SOMEWHAT LAYERED 40				26-27			104																	
BUT LAYERS VERY IRREGULAR -				33-34			99																	
49-55 cm MOTTLING DECREASES TO 55 cm 50				36-37/36-39	2.78	1.46	104	4.5		2.6	2.9	74.2					6.8	13.7	59.8	26.5				
WHERE SEDIMENT BECOMES LT. GRAY				42-43/36-43			99		1.7				65	50	15									
55-105 cm LT. GRAY SILTY CLAY WITH 60		10YR 7/1		45-46	2.74	1.48	96				2.6	72.5												
COMMON DARK IRREGULAR STREAKS &				50-51			110																	
2 GREEN NOT WELL DEFINED GREEN 70				53-54			111																	
LAYERS 49 & 54 cm				58-59	2.71	1.41	119				3.2	76.3												
57 cm & 63 cm 2 PEBBLES ≈ 3/4 cm 80				65-66/65-68	2.72	1.40	121	3.5		1.8	3.3	76.7					6.6	16.2	61.5	22.3				
DIAM. - APPEAR TO BE PUMICE				71-72/65-72			114		1.9				85	54	31									
106-107 cm IRREGULAR 1 cm WIDE GREEN 90				74-75			110																	
LAYER - DRIER THAN MATRIX				82-83			106																	
112-113 cm HORIZONTAL GREEN LAYER 100				87-88			102																	
113-127 MOTTLED WITH DARK ORGANIC				96-97			97																	
STREAK + 1 ROUND FEATURE EGG 110				100-101/100-103	2.77	1.48	98	8.2		10.0	2.71	73.1					6.8	18.4	57.4	24.1				
SHAPED 2 cm Diam. DARK OUTLINE				106-107/100-107			99		0.8				71	51	20									
W/ GRAY CENTER 120				109-110			98																	
				115-116			98																	
OVERALL: 3 ZONES APPEAR — 130	127 cm END OF CORE			120-121			111																	
OTHER CORES				125-126	2.75	1.37	?136				3.8	78.9												

MGG 03 005009

CORE No. 527-3	Date: 9/18/78	Logged by: DM	CORE ANALYSIS SUMMARY SHEET	NOTES:
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: Alvin	
Latitude: 36° 48.5' N	Date Sampled:		Water Depth: (fms (m)	Marine Geology & Geophysics Laboratory, AOML
Longitude: 33° 15.26' W	Core Serial No.:		Core Length: 24 cm. (cm)	15 Rickenbacker Causeway Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit Weight (g/cm²) (8)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (g/cm²)	Cohesion (Cr) KPa Remold (g/cm²)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FROM COULTER COUNTER ANALYSIS 4.0 - 9.0 Ø	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0																								
0-1 VOLCANIC PEBBLES AT SURFACE (BLACK)		10YR 6/5	SAND-SILT CLAY	0-1/0-3	2.79	1.47	100	2.3		1.9	2.8	73.6					6.9	49.9	31.9	18.2				
+ SOME SHELL FRAGMENTS				3-4/4-7			97	3.9		3.2							6.1	41.7	47.1	11.2				
0-17cm SAND-SILT-CLAY MATERIAL				6-7/0-7	2.75	1.50	92		1.2		2.5	71.7	65	52	13									
YELLOWISH BROWN IN COLOR - NO				9-10			95																	
STRUCTURE 5				12-13			91																	
17-24 cm IRREGULAR SAND LENSE-CONCENTRATION				14-15/14-17			92	3.1		2.1							7.4	32.9	34.2	32.9				
OF DARK MINERALS - GIVING TEXTURE				20-21/14-21			89		1.5															
DIRTY SAND APPEARANCE				21-22			95																	
22-23 cm LARGE BLACK CLAM SHELL																								
FRAGMENTS-2cm long + ___ PEBBLE 10																								
21 cm & 23 cm - WHAT APPEARS TO																								
BE URCHIN SPINES																								
15																								
			SILTY-SAND																					
20																								

MGG 03 00 5009

CORE No. 530-4	Date: 9/18/74	Logged by: DM	CORE ANALYSIS SUMMARY SHEET
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: Alvin
Latitude: 36° 48.35′ N	Date Sampled:		Water Depth: (fms (m)
Longitude: 33° 16.55′	Core Serial No.:		Core Length: (cm)

NOTES: NO WATER ON CORE

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida- 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (8) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (g/cm²)	Cohesion (Cr) KPa Remold (g/cm²)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	Mean Diameter from Coulter Counter Analysis 4.0 - 9.0 Ø	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0																								
2 cm LONE VOLCANIC ROCK		10YR 7/3	SAND-SILT CLAY	0-1/0-3	2.79	1.53	86	6.9		3.0	2.4	70.6	66				6.5	45.0	42.5	12.5				
0-7 STRONGLY MOTTLED SAND-SILT-CLAY				3-4/4-7	2.71	1.46	101	4.8		2.1	2.8	73.3					6.5	41.0	47.1	11.9				
MIXTURE - LARGE VOLCANIC PEBBLE AT				6-7/0-7	2.72	1.44	107		2.3		2.9	74.3		48	19	29								
1-2 cm				10-11	2.73	1.48	96				2.6	72.3												
7-9.5 DIAGONAL YELLOWISH BROWN LAYER 5				16-17	2.76	1.54	82				2.3	69.4												
UPPER CONTACT GRADUAL - LOWER SHARP																								
7-8 cm 3cm LONG VOLCANIC ROCK																								
9.5-11 cm Lt. GRAY DIAGONAL LAYER.																								
CONTAINS LESS SAND THAN ABOVE.																								
OR BELOW - BOTH CONTACTS 10		10YR 6/4																						
SHARP																								
11-17 cm STRONGLY MOTTLED SAND-SILT -		10YR 7/2																						
CLAY MIXTURE - DARK MOTTLING																								
CONTAIN CONCENTRATION OF DARK		10YR 7/3																						
MINERALS 15																								
	17 cm END OF CORE																							

MGG 03 00 50 09

CORE No. 533 - 1	Date:	Logged by: DNL	CORE ANALYSIS SUMMARY SHEET
Location: Mid Atlantic Ridge	Project Name: FAMOUS		Sample Type: Alvin
Latitude: 36° 36.65' N	Date Sampled:		Water Depth: (fms (m)
Longitude: 33° 28.24' W	Core Serial No.:		Core Length: 16 (cm)

NOTES:

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida- 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)
0-16 cm SAND-SILT-CLAY MIXTURE -			
YELLOWISH BROWN THROUGHOUT - TEXTURE		10 YR 5/6	SAND-SILT CLAY
CONSISTENT - NO VISIBLE STRUCTURE			
SURFACE - BLACK SHELL FRAGMENTS			
1 cm VOLCANIC PEBBLE			
4 cm BLACK WORM TUBE 2mm DIAM.			
11-12 cm LG. BLACK WORM TUBE FILLED WITH MUD			
13 cm WHITE SHELL FRAGMENT			
	16 cm END OF CORE		

Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit Weight (g/cm²) (8)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (g/cm²)	Cohesion (Cr) KPa Remold (g/cm²)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)		Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0-1/0-3	2.75	1.44	107	2.2		1.8	2.9	74.6					7.2	44.7	29.2	26.1				
3-4/4-7			89	2.4		2.0							7.1	54.1	32.5	13.4				
6-7/0-7	2.79	1.51	89		1.2		2.5	71.4	65	TOO	SANDY									
10-11			89																	
14-15	2.76	1.53	85				2.3	70.0												

MGG 03 00 5009

CORE No. 533-2	Date: 9/18/74	Logged by: DM	CORE ANALYSIS SUMMARY SHEET
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: Alvin
Latitude: 36° 36.80′ N	Date Sampled:		Water Depth: (fms (m)
Longitude: 33° 28.18′ W	Core Serial No.:		Core Length: 24 (cm)

NOTES:

NO WATER ON TOP OF CORE

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida- 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit (B) Weight (g/cm²)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (~~g/cm²~~)	Cohesion (Cr) KPa Remold (~~g/cm²~~)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FROM COULTER COUNTER ANALYSIS 4.0 - 9.0 Ø	Size and Composition: Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
NO VANE TAKEN - MATERIALS TOO COARSE																								
0																								
0-5 BLACK PTEROPOD FRAGMENTS IN		10 YR 5/6	DIRTY CRSE SAND	0-1/0-3	2.86	1.33	160	NO	VANES		4.6	82.1					7.1	48.7	34.1	17.2				
SAND-SILT-CLAY MATRIX.				5-6			127																	
5-19 SAND-SILT-CLAY (YELLOWISH BROWN)				12-13	2.86	1.40	129				3.7	78.7												
WITH COMMON PTEROPOD FRAGMENTS				14-16/17-18			122										6.9	34.6	40.8	24.6				
19-24 BLACK PTEROPOD FRAGMENTS IN 5				20-21	2.72	1.29	180				4.9	83.1												
SAND-SILT-CLAY MATRIX			SAND-SILT CLAY																					
NO OTHER VISIBLE STRUCTURE																								
10																								
15																								
			DIRTY CRSE SAND																					
20																								
	24 cm END OF CORE																							

MGG 03005009

CORE No. 533-3	Date: 9/18/74	Logged by: DM	CORE ANALYSIS SUMMARY SHEET
Location: Mid-Atlantic Ridge	Project Name: FAMOUS		Sample Type: Alvin
Latitude: 36° 36.62′ N	Date Sampled:		Water Depth: (fms (m)
Longitude: 33° 28.08′ W	Core Serial No.:		Core Length: 13.5 (cm)

NOTES:

Marine Geology & Geophysics Laboratory, AOML
15 Rickenbacker Causeway
Miami, Florida - 33149

REMARKS: (color, shells, bedding, structure, etc.)	Core Sketch (depth in core)	Color	Sed. Type (visual)	Sample Interval (cm)	Specific Gravity of Solids (Gs)	Wet Unit Weight (g/cm²) (B)	Water Content (% dry weight) (wc)	Cohesion (Cn) KPa Natural (g/cm²)	Cohesion (Cr) KPa Remold (g/cm²)	Sensitivity (St)	Void Ratio (e)	Porosity (%) (n)	Liquid Limit (LL)	Plastic Limit (PL)	Plasticity Index (PI)	Liquidity Index (B)	MEAN DIAMETER FROM COULTER COUNTER ANALYSIS 4.0 - 9.0 Ø	Size and Composition Sand %	Silt %	Clay %	< 62.5μ	Total Carbonate (%)	Organic Carbon (%)	% Heavy Minerals
0-1 SEVERAL WORM TUBES ? 1 BRANCHING 0	Y-1-Y-																							
+ BLACK SHELL FRAGMENTS		10YR 6/5	SAND-SILT	0-1/0-3	2.81	1.41	120	3.2		2.3	3.4	77.1					7.2	42.2	28.2	29.6				
MATRIX IS YELLOWISH BROWN SAND-SILT-CLAY			CLAY	3-4/4-7			103	5.4		3.9							6.6	35.6	38.6	25.8				
OCCASIONAL BLACK SMALL SHELL				6-7/0-7	2.78	1.47	100		1.4		2.8	73.5	60	46	13									
FRAGMENTS THROUGHOUT CORE				12-13	2.75	1.48	97				2.7	72.6												
5																								
10																								
15	13.5 cm END OF CORE																							

MGG 03 005009