2/79

AGE

PALEOBATHYMETRY — 100′ 300′ 600′ 1500′

DEPTH

TERTIARY

MIDDLE MIOCENE

4710′

LATE OLIGOCENE

4950′

LATE EOCENE

5160′

MIDDLE EOCENE

5520′

EARLY EOCENE

6040′

EARLY MAASTRICHTIAN

6230′

CAMPANIAN

6540′

LATE CRETACEOUS

SANTONIAN

CONIACIAN

8040′

TURONIAN

8180′

CENOMANIAN

8690′

ALBIAN

9600′

APTIAN

10100′

BARREMIAN

10600′

EARLY CRETACEOUS

HAUTERIVIAN

12300′

VALANGINIAN

BERRIASIAN

13500′

TITHONIAN

13760′

LATE JURASSIC

KIMMERIDGIAN

FIRST SAMPLE 3810′

SIDEWALL SAMPLES

NOTE
ALBIAN AND OLDER DATES ARE BASED ON PALYNOLOGY

NOTE
NO SIDEWALLS BELOW 12666′ WERE WASHED FOR FORAMINIFERS

1 GLOBOROTALIA SIAKENSIS
2 GLOBOROTALIA MENARDII
3 RADIOLARIANS
4 BULIMINA GRACILIS
5 ORBULINA UNIVERSA
6 SPHAEROIDINELLOPSIS SUBDEHISCENS
7 UVIGERINA RUSTICA
8 ROBULUS AMERICANUS SPINOSUS
9 SCHENCKIELLA CYCLOSTOMATA
10 GLOBOROTALIA FOHSI FOHSI
11 GLOBOQUADRINA DEHISCENS DEHISCENS
12 GLOBOROTALIA PERIPHEROACUTA
13 PLECTOFRONDICULARIA VAUGHANI
14 GLOBIGERINOIDES IMMATURA
15 SPHAEROIDINA BULLOIDES
16 PLANULINA WUELLERSTORFI
17 GYROIDINA SOLDANII
18 UVIGERINA GALLOWAYI
19 SCHENCKIELLA PALLIDA
20 PULLENIA BULLOIDES
21 SIPHONINA PULCHRA
22 NODOSARIA STAINFORTHI
23 SIPHONODOSARIA PAUCISTRIATA
24 EPONIDES UMBONATUS
25 CIBICIDES COOKEI
26 GLOBOROTALIA OPIMA NANA
27 GLOBIGERINA TRIPARTITA
28 CATAPSYDRAX UNICAVUS
29 CATAPSYDRAX DISSIMILIS
30 CASSIDULINA GLOBOSA
31 SARACENARIA ITALICA
32 SPHAEROIDINA VARIABILIS
33 GUTTULINA IRREGULARIS
34 GYROIDINA ALTISPIRA
35 UVIGERINA MEXICANA
36 GLOBIGERINA CIPEROENSIS
37 CASSIDULINA LAEVIGATA
38 KARRERIELLA MEXICANA
39 GLOBOROTALIA OBESA
40 GLOBOROTALIA CEROAZULENSIS CEROAZULENSIS
41 HANTKENINA LONGISPINA
42 GLOBIGERINATHEKA INDEX
43 GLOBIGERINA LINAPERTA
44 GLOBIGERINATHEKA SEMIINVOLUTA
45 PSEUDOHASTIGERINA MICRA
46 BULIMINA JACKSONENSIS
47 UVIGERINA CURTA
48 GUTTULINA COMMUNIS *
49 UVIGERINA COCOAENSIS
50 SIGMOMORPHINA JACKSONENSIS
51 TRITAXIA JARVISI
52 HANTKENINA ALABAMENSIS
53 GLOBIGERINA OFFICINALIS
54 GLOBIGERINA CORPULENTA
55 SIPHONINA DANVILLENSIS
56 GLOBIGERINA EOCAENA
57 CIBICIDES COCOAENSIS
58 NODOGENERINA ROHRI
59 HAPLOPHRAGMOIDES GLABRA
60 CATAPSYDRAX HOWEI
61 ROBULUS ROTULATUS
62 TRUNCOROTALOIDES ROHRI
63 GLOBOROTALIA SPINULOSA
64 GLOBOROTALIA BULLBROOKI
65 HANTKENINA LIEBUSI
66 GLOBOROTALIA LEHNERI
67 TRUNCOROTALOIDES TOPILENSIS
68 GLOBOROTALIA CEROAZULENSIS POMEROLI
69 CIBICIDES PIPPENI
70 GLOBIGERINA FRONTOSA
71 GLOBIGERINA INAEQUISPIRA
72 GLOBIGERINA PRIMITIVA
73 GLOBOROTALIA PENTACAMERATA
74 KARRERIELLA DISJUNCTA
75 CIBICIDES COSMPANI
76 GLOBOROTALIA ARAGONENSIS
77 GLOBOROTALIA BYKEDEMPANI
78 GLOBOROTALIA CAUCASICA
79 GLOBIGERINA SOLDADOENSIS ANGULOSA
80 GLOBOROTALIA PLETMA
81 GLOBIGERINA SOLDADOENSIS SOLDADOENSIS
82 MARSSONELLA INDENTATA
83 PSEUDOHASTIGERINA WILCOXENSIS
84 TRITAXIA ASPERA
85 TRITAXIA TRILATERA
86 GLOBOROTALIA FORMOSA FORMOSA
87 PULLENIA CORYELLI
88 GLOBOROTALIA SUBBOTINAE
89 GLOBOROTALIA MARGINODENTATA
90 VALVULINA JARVISI
91 MARGINULINA BULLATA
92 AMMODISCUS GLABRATUS
93 GLOBOTRUNCANA CONTUSA
94 GLOBOTRUNCANA CONICA
95 GLOBOTRUNCANA STUARTI
96 GLOBOTRUNCANA GANSSERI
97 GLOBIGERINELLOIDES MESSINAE
98 PSEUDOTEXTULARIA ELEGANS
99 HETEROHELIX GLABRANS
100 GLOBOTRUNCANA FALSOSTUARTI
101 RACEMIGUEMBELINA SP.
102 BOLIVINOIDES DRACO
103 LOXOSTOMUM GRANUM
104 KYPHOPYXA CHRISTNERI
105 PLEUROSTOMELLA SUBNODOSA
106 ARENOBULIMINA AMERICANA
107 HETEROSTOMELLA AMERICANA
108 DOROTHIA BULLETA
109 SPIROPLECTAMMINA GRZYBOWSKII
110 CIBICIDES STEPHENSONI
111 GAVELINELLA CLEMENTINA
112 GLOBOTRUNCANA CALCARATA
113 GLOBOTRUNCANA LAPPARENTI
114 GLOBOTRUNCANA FORNICATA
115 GLOBOTRUNCANA ELEVATA
116 GLOBOROTALOIDES MICHELINIANUS
117 GLOBOTRUNCANA ANGUSTICARINATA
118 BOLIVINOIDES MILIARIS
119 MARGINULINA CRETACEA
120 AMMODISCUS CRETACEUS
121 GLOBOTRUNCANA ARCA
122 GLOBOTRUNCANA STUARTIFORMIS
123 GLOBOTRUNCANA VENTRICOSA
124 VENTILABRELLA MULTICAMERATA
125 GLOBOTRUNCANA CONCAVATA
126 GLOBOTRUNCANA CARINATA
127 GLOBOTRUNCANA BULLOIDES
128 GLOBOTRUNCANA CORONATA
129 MARSSONELLA OXYCONA
130 ROBULUS MUENSTERI
131 BATHYSIPHON DUBIA
132 EPISTOMINA SUPRACRETACEA
133 TROCHAMMINA SP.
134 GLOBOTRUNCANA RENZI
135 GLOBOTRUNCANA SCHNEEGANSI
136 VAGINULINA WADEI
137 EPISTOMINA STELLIGERA ALVEOLATA
138 HAPLOPHRAGMOIDES ROGOSA
139 GLOBOTRUNCANA SIGALI
140 WHITEINELLA APRICA
141 GLOBOROTALOIDES MULTISEPTUS
142 HEDBERGELLA SIMPLEX
143 HETEROHELIX MOREMANI
144 TROCHAMMINA CRETACEA
145 GLOBOTRUNCANA IMBRICATA
146 SPIROPLECTAMMINA LALICKERI
147 GAVELINELLA PERTUSA
148 GLOBOTRUNCANA PRIMITIVA
149 LINGULOGAVELINELLA TURONICA
150 PRAEGLOBOTRUNCANA STEPHANI
151 PRAEGLOBOTRUNCANA TURBINATA
152 GLOBOTRUNCANA HELVETICA
153 ROTALIPORA CUSHMANI
154 ROTALIPORA REICHELI
155 ROTALIPORA GREENHORNENSIS
156 HEDBERGELLA AMABILIS
157 GLOBIGERINELLOIDES BENTONENSIS
158 GAVELINOPSIS CENOMANICA
159 EPISTOMINA SPINULIFERA COLOMI
160 TRITAXIA PYRAMIDALIS
161 ROBULUS PONOI
162 ROBULUS SUBALATA
163 MICROGASTROPODS
164 HAPLOPHRAGMOIDES CF. TOPAGORUKENSIS
165 PSEUDOCYCLAMMINA SP.
166 FAVUSELLA WASHITENSIS
167 EPISTOMINA CARACOLLA
168 EPISTOMINA SPINULIFERA VAR.
169 TICINELLA CF. ROBERTI
170 EPISTOMINA RETICULATA
171 EPISTOMINA CARPENTERI
172 TROCHOLINA SP.A (CF. T. APTIAENSIS)
173 LENTICULINA NODOSA
174 LENTICULINA GUTTATA
175 LENTICULINA AGUTA
176 LENTICULINA CREPIDULARIS
177 GAVELINELLA INTERMEDIA
178 TROCHOLINA SP.B
179 EVERTICYCLAMMINA SP.
180 EPISTOMINA ORNATA
181 MARSSONELLA TROCHUS
182 EPISTOMINA HECHTI
183 GUTTULINA VANDENBOLDI
184 LENTICULINA CUACHENSIS
185 EVERTICYCLAMMINA VIRGULANA
186 EPISTOMINA MOSQUENSIS
187 TURRISPIRILLINA AMOENA
188 EPISTOMINA PARASTELLIGERA
189 EPISTOMINA VENTRICOSA
190 LENTICULINA INVOLVENS
191 MARSSONELLA BONEZIANA
192 PSEUDOCYCLAMMINA JACCAROI
193 FEURTILLIA FREQUENS

OCCURRENCE IN CUTTINGS SAMPLES
OCCURRENCE IN SIDEWALL SAMPLES

FIG. 1 - DISTRIBUTION OF FORAMINIFERA IN THE COST ATLANTIC BALTIMORE CANYON B-3 WELL