Scientific Results: **Volume 105: Chapter 28: Table 3. Stratigraphic distribution of selected marine palynomorph species recorded in the Paleogene of Hole 647A, arranged according to ascending range bases (A) and ascending range tops (B).**

A

HEAD, M.J. and NORRIS, G.
ODP LEG 105, HOLE 647A:
CORE# / SECTION# (CC = core catcher sample) / INTERVAL (in cm) from:
71R 70R 70R 69R 68R 68R 68R 68R 67R 67R 66R 66R 65R 65R 64R 64R 63R 63R 62R 62R 61R 61R 60R 54R 53R 52R 51R 50R 49R 47R 46R 45R 43R 41R 39R 38R 37R 36R 35R 35R 33R 33R 32R 30R 28R 25R 24R 22R 21R 18R 17R 16R 15R
CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC
43 4 4 4 7 4 3 7 4 13 8 2 2 8 6 13 117 6 8 5 139 135 117 141 23 4 4 4 139 135 139 135 8 2 139 135 139 135 8 1 104 84 142 104 91 142 104 91 142
43 45 77 93 73 132 26 31 33 69 18 121 91 142 108 23 131 125 23 125 124 131 125 23 125 124 145 104 91 145
LOWER EOCENE | MIDDLE EOCENE | UPPER EOCENE | LOWER OLIGOCENE
CALCAREOUS NANNOFOSSIL ZONES: NP11 | ? | NP12? | NP12 | NP13 | BARREN | NP15 | NP16 | ? | NP18/20 | NP21 | ? | 22 | NP23 | UP OLI 24

MARINE PALYNOMORPHS

1 Adnatosphaeridium robustum [Pl. 13, Fig. 3]
2 Dinocyst? sp. A [Pl. 13, Fig. 11]
3 Rhombodinium? sp. B [Pl. 1, Fig. 8]
4 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
5 Hystrichokolpoma membranaphorum
6 Spiniferites ramosus subsp. ramosus
7 Impagidinium spp.
8 Systematophora ancyrea
9 Thalassiphora pelagica [Pl. 9, Figs. 2,3]
10 Palaeocystodinium golzowense
11 Spiniferites/Achomosphaera spp.
12 Dracodinium? sp. cf. D.? condylos [Pl. 1, Fig. 6]
13 Cordosphaeridium spp.
14 Deflandrea? sp. A [Pl. 12, Fig. 12]
15 Cordosphaeridium gracile [Pl. 13, Fig. 13]
16 Spiniferites pseudofurcatus
17 Corrudinium sp. 1 [Pl. 3, Figs. 4,12,13]
18 Impagidinium sp. A [Pl. 10, Fig. 16]
19 Impagidinium dispertum [Pl. 10, Fig. 18]
20 Phthanoperidinium echinatum
21 Operculodinium spp.
22 Areoligera senonesis
23 Eatonisphaera ursulae [Pl. 8, Fig. 9]
24 Nematosphaeropsis? sp. 1 [Pl. 8, Fig. 6]
25 Spiniferites/Achomosphaera spp.
26 Membranophoridium sp. [Pl. 8, Fig. 17]
27 Deflandrea spp. 1 [Pl. 12]
28 Diphyes colligerum [Pl. 12, Fig. 12]
29 Rhombodinium? sp. A [Pl. 1, Fig. 7]
30 Homotryblium sp. A [Pl. 11, Fig. 8]
31 Hystrichokolpoma globulum Michoux, 1985 [Pl. 12, Figs. 8,10]
32 Deflandrea sp. cf. D. sagittula [Pl. 12, Fig. 3]
33 Cordosphaeridium modes [Pl. 13, Fig. 14]
34 Phthanoperidinium sp. cf. P. reticulatum
35 Kisselovia crassoreticula [Pl. 1, Fig. 9]
36 Impagidinium sphaericum [Pl. 1, Fig. 1]
37 Deflandrea phosphoritica
38 Dinocyst sp. F [Pl. 13, Fig. 10]
39 "Rhombodinium" glabrum
40 Rhombodinium? sp. C [Pl. 1, Fig. 8]
41 Dinocyst sp. D [Pl. 11, Fig. 7]
42 Heterosiderocystis sp. A of Costa and Downie, 1979b [Pl. 9, Fig. 1]
43 Palaeocystodinium sp. A [Pl. 9, Fig. 1]
44 Hystrichokolpoma unispinum [Pl. 11, Fig. 9]
45 Dinopterygium cladoides sensu Morgenroth, 1966
46 Achomosphaeridium multiphasum
47 Kisselovia edwardsii sensu Cars, 1973 [Pl. 1, Fig. 3]
48 Operculodinium sp. cf. O. israelianum [Pl. 13, Fig. 2]
49 Samlandia chlamydophora [Pl. 9, Fig. 2]
50 Impagidinium? patlisium [Pl. 10, Fig. 13]
51 Hemicystodinium tenuispinosum
52 Corrudinium sp. 2 [Pl. 3, Fig. 14]
53 Lissophaeridium sp. A [Pl. 11, Figs. 4,8]
54 Operculodinium sp. 1 [Pl. 13, Fig. 7]
55 Hystrichokolpoma gracilicornum [Pl. 12, Fig. 4]
56 Hystrichokolpoma gracilicornum [Pl. 11, Fig. 2]
57 Gonyaulacysta sp. 1 [Pl. 10, Fig. 8]
58 Alisocysta sp. 1 [Pl. 6, Fig. 10]
59 Cordosphaeridium minimum
60 Hystrichokolpoma cinctum [Pl. 12, Fig. 11]
61 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
62 Apectodinium sp. cf. A. paniscolatum (Drugg, 1967) [Pl. 12, Fig. 6]
63 Dinocyst sp. E
64 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
65 Thalassiphora sp. A [Pl. 9, Fig. 6]
66 Phthanoperidinium spp.
67 Cordosphaeridium minimum sensu Eaton 1976 (?) [Pl. 11, Figs. 2,3]
68 Tectatodinium pellitum
69 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
70 Wilsonidium labyrinthus [Pl. 2, Figs. 11,12]
71 Hystrichosphaeridium tubiferum [Pl. 11, Figs. 5,6]
72 Ephanopyxis sp. cf Goodman and Ford, 1983 [Pl. 3, Figs. 1-3]
73 Ceratopsis depressa
74 Corrudinium sp. 3 [Pl. 3, Fig. 16]
75 Nematosphaeropsis sp. cf. N. labyrinthus
76 Histiocysta spp. cf Goodman and Ford, 1983 [Pl. 3, Figs. 5-9]
77 Impagidinium? sp. D [Pl. 8, Figs. 9,10,11]
78 Hystrichokolpoma sp. A [Pl. 11, Fig. 11]
79 Diphyes sp. A [Pl. 12, Fig. 1]
80 Ephanopyxis sp. A [Pl. 3, Figs. 10,11]
81 Impletosphaeridium luxurium [Pl. 8, Fig. 1]
82 Chytroeisphaeridia sp. 1 [Pl. 6, Figs. 1,5]
83 Dapsilidinium sp. A [Pl. 11, Fig. 6]
84 Operculodinium sp. 2 [Pl. 13, Fig. 4]
85 Apectodinium homomorphum
86 Areoligera/Glaphyrocysta annulatum
87 Selenopemphix nephroides
88 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
89 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
90 Dapsilidinium simplex
91 Cordosphaeridium callosum [Pl. 7, Fig. 13]
92 Homotryblium? spinosum
93 Batiacasphaera sp. cf. B. hirsuta [Pl. 6, Fig. 16]
94 Batiacasphaera sp. A [Pl. 6, Fig. 15]
95 Phthanoperidinium sp. cf. P. echinatum [Pl. 10, Figs. 7,8]
96 Selenopemphix sp. 5 [Pl. 7, Fig. 14]
97 Rhizosphaeridium of Wrenn and Kokinos, 1986 [Pl. 10, Fig. 12]
98 cf. Ascrbulo sp. 1, of Head et al., c. this vol. [Pl. 6, Fig. 13]
99 Batiacasphaera sp. 1 [Pl. 7, Figs. 1,2]
100 Corrudinium incompositum [Pl. 3, Fig. 17]
101 Cordosphaeridium fibrospinosum [Pl. 13, Figs. 14,15]
102 Cordosphaeridium cantharellum [Pl. 13, Fig. 15]
103 Dapsilidinium pseudocolligerum [Pl. 11, Fig. 10]
104 Gochteodinia spinulum [Pl. 1, Figs. 4,5]
105 Phthanoperidinium echinatum
106 Batiacasphaera sp. B [Pl. 6, Figs. 3,4]
107 Disteatodinium sp. cf. D. oceanicum [Pl. 5, Fig. 8]
108 Cordosphaeridium sp. A [Pl. 7, Fig. 7,8]
109 Areosphaeridium pectiniformis
110 Deflandrea lepidodermata [Pl. 12, Figs. 1,2]
111 Pentadinium spp.
112 Deflandrea heteroptycha [Pl. 12, Fig. 5]
113 Hemiplacophora semilunifera [Pl. 5, Figs. 8,10]
114 Heterosiderocystis porosa [Pl. 6, Fig. 8]
115 Cribroperidinium sp. A [Pl. 7, Fig. 6]
116 Hystrichokolpoma rigaudae
117 Lophocysta sp. 2 [Pl. 4, Figs. 6,8]
118 Svalbardella sp. cf. S. cooksoniae
119 Horologinella? spinosa (4 lobed)
120 Crypsidinium pellitum
121 Cordosphaeridium sp. cf. C. funiculatum [Pl. 8, Figs. 13,14]
122 Cribroperidinium spp.
123 Cordosphaeridium funiculatum
124 Reticulosphaera actinocoronata
125 Batiacasphaera sp. C [Pl. 6, Fig. 2]
126 Impagidinium sp. C [Pl. 10, Fig. 14]
127 Acritarch sp. 3 [Pl. 10, Fig. 2]
128 Phthanoperidinium sp. 4? [Pl. 7, Fig. 9]
129 Cordosphaeridium? sp. A [Pl. 7, Fig. 10]
130 Acritarch sp. 1 [Pl. 6, Figs. 7,8]
131 Dinocyst sp. C [Pl. 4, Figs. 1,2]
132 Operculodinium centrocarpum s.s.
133 C. funiculatum sensu Williams and Bujak, 1977b [Pl. 8, Fig. 5]
134 Disteatodinium scariosum [Pl. 10, Fig. 10]
135 Wetzeliella symmetrica
136 Cribroperidinium perforans
137 Phelodinium sp. 3 [Pl. 7, Figs. 5,6]
138 Selenopemphix sp. 4 [Pl. 7, Fig. 12]
139 Phelodinium sp. 4 [Pl. 7, Fig. 3]
140 Lentinia serrata
141 Impagidinium sp. B [Pl. 10, Fig. 4]
142 Impagidinium velorum [Pl. 10, Fig. 11]
143 Impagidinium sp. A [Pl. 10, Fig. 6]
144 Invertocysta sp. [Pl. 4, Figs. 3,4]
145 Lophocysta sp. 1 [Pl. 4, Figs. 7,8]
146 Nematosphaeropsis lemniscata
147 Pithoperidinium sp. A [Pl. 10, Figs. 5,6]
148 Selenopemphix? sp. 3 [Pl. 7, Figs. 4,5]
149 Galeta infata [Pl. 4, Fig. 5]
150 Pentadinium laticinctum imaginatum
151 Cribroperidinium peridonium sensu Gocht, (1969; Fig. 5,6) [Pl. 5, Fig. 7]
152 Homotryblium oligotrichum
153 Svalbardella? sp. A
154 Phelodinium sp. 1 [Pl. 7, Fig. 11]
155 Glaphyrocysta sp. A [Pl. 5, Fig. 2]
156 Membranophoridium aspinatum [Pl. 5, Fig. 4]
157 Nematosphaeropsis? sp. 2 [Pl. 8, Figs. 3,4,7]
158 Cribroperidinium tenuitabulatum
159 Glaphyrocysta spp.
160 Phelodinium? sp. A [Pl. 4, Fig. 4]
161 Chlorophyllum megaplanum [Pl. 5, Figs. 3,6]
162 Phelodinium sp. 2 [Pl. 7, Figs. 12?,16]
163 Pithoperidinium geminatum
164 Selenopemphix? sp. 2 [Pl. 7, Fig. 8]
165 Thalassiphora sp. D [Pl. 9, Fig. 4]
166 Cribroperidinium spp.
167 Glaphyrocysta semitecta [Pl. 5, Fig. 1]
168 Svalbardella sp. 1 [Pl. 2, Figs. 5,10]
169 Thalassiphora fenestrata
170 Thalassiphora sp. D [Pl. 9, Fig. 5]
171 Polysphaeridium sp. A [Pl. 11, Fig. 12]
172 Impagidinium paradoxum
173 Cribroperidinium muderongense [Pl. 5, Fig. 4]
174 Acritarch sp. 2 [Pl. 6, Fig. 12]
175 Surculosphaeridium? sp. A [Pl. 11, Fig. 1]

B

HEAD, M.J. and NORRIS, G.
ODP LEG 105, HOLE 647A:
CORE# / SECTION# (CC = core catcher sample) / interval (in cm) from:
71R 70R 70R 69R 68R 68R 68R 68R 67R 67R 66R 66R 65R 65R 64R 64R 63R 63R 62R 62R 61R 61R 60R 54R 53R 52R 51R 50R 49R 47R 46R 45R 43R 41R 39R 38R 37R 36R 35R 35R 33R 33R 32R 30R 28R 25R 24R 22R 21R 18R 17R 16R 15R
CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC CC
43 4 4 4 7 4 3 7 4 13 8 2 2 8 6 13 117 6 8 5 139 135 117 141 23 4 4 4 139 135 139 135 8 2 139 135 139 135 8 1 104 84 142 104 91 142 104 91 142
43 45 77 93 73 132 26 31 33 69 18 121 91 142 108 23 131 125 23 125 124 131 125 23 125 124 145 104 91 145
LOWER EOCENE | MIDDLE EOCENE | UPPER EOCENE | LOWER OLIGOCENE
CALCAREOUS NANNOFOSSIL ZONES: NP11 | ? | NP12? | NP12 | NP13 | BARREN | NP15 | NP16 | ? | NP18/20 | NP21 | ? | 22 | NP23 | UP OLI 24

MARINE PALYNOMORPHS

1 Rhombodinium? sp. B [Pl. 1, Fig. 9]
2 Dasodinium? sp. cf. D.? condylos [Pl. 1, Fig. 6]
3 Areoligera senonesis
4 Apectodinium sp. cf. A. quinquelatum
5 Rhombodinium sp. A [Pl. 1, Fig. 7]
6 Hystrichosphaeropsis sp. 1 [Pl. 2]
7 Dinocyst sp. F [Pl. 13, Fig. 10]
8 "Rhombodinium" glabrum
9 Rhombodinium? sp. C [Pl. 1, Fig. 8]
10 Adnatosphaeridium robustum [Pl. 13, Fig. 3]
11 Spiniferites/Achomosphaera spp.
12 Adnatosphaeridium caulleryi
13 Eatonisphaera ursulae [Pl. 8, Fig. 9]
14 Membranophoridium sp. [Pl. 8, Fig. 17]
15 Hystrichokolpoma globulum Michoux, 1985 [Pl. 12, Figs. 8,10]
16 Dracodinium? condylos
17 Deflandrea sp. cf. D. sagittula [Pl. 12, Fig. 3]
18 Batiacasphaera sp. 1 [Pl. 13, Fig. 1]
19 Lissophaeridium sp. A [Pl. 11, Figs. 4,8]
20 Operculodinium sp. 1 [Pl. 13, Fig. 7]
21 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
22 Ceratopsis? sp. A [Pl. 12, Fig. 13]
23 Wetzeliella articulata
24 Kisselovia edwardsii sensu Cars, 1973 [Pl. 1, Fig. 3]
25 Dapsilidinium sp. cf. D. habrosum [Pl. 10, Fig. 4]
26 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
27 Diphyes spp.
28 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
29 Dinocyst sp. D [Pl. 11, Fig. 7]
30 Cordosphaeridium modes [Pl. 13, Fig. 14]
31 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
32 Ceratopsis depressa
33 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
34 Dinocyst? sp. E [Pl. 11, Fig. 10]
35 Ceratopsis sp. A [Pl. 1, Fig. 1]
36 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
37 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
38 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
39 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
40 Ceratopsis? sp. A [Pl. 12, Fig. 13]
41 Wetzeliella articulata
42 Kisselovia edwardsii sensu Cars, 1973 [Pl. 1, Fig. 3]
43 Dapsilidinium sp. cf. D. habrosum [Pl. 10, Fig. 4]
44 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
45 Diphyes spp.
46 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
47 Dinocyst sp. D [Pl. 11, Fig. 7]
48 Cordosphaeridium modes [Pl. 13, Fig. 14]
49 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
50 Ceratopsis depressa
51 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
52 Dinocyst? sp. E [Pl. 11, Fig. 10]
53 Ceratopsis sp. A [Pl. 1, Fig. 1]
54 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
55 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
56 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
57 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
58 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
59 Diphyes spp.
60 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
61 Dinocyst sp. D [Pl. 11, Fig. 7]
62 Cordosphaeridium modes [Pl. 13, Fig. 14]
63 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
64 Ceratopsis depressa
65 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
66 Dinocyst? sp. E [Pl. 11, Fig. 10]
67 Ceratopsis sp. A [Pl. 1, Fig. 1]
68 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
69 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
70 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
71 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
72 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
73 Diphyes spp.
74 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
75 Dinocyst sp. D [Pl. 11, Fig. 7]
76 Cordosphaeridium modes [Pl. 13, Fig. 14]
77 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
78 Ceratopsis depressa
79 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
80 Dinocyst? sp. E [Pl. 11, Fig. 10]
81 Ceratopsis sp. A [Pl. 1, Fig. 1]
82 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
83 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
84 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
85 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
86 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
87 Diphyes spp.
88 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
89 Dinocyst sp. D [Pl. 11, Fig. 7]
90 Cordosphaeridium modes [Pl. 13, Fig. 14]
91 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
92 Ceratopsis depressa
93 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
94 Dinocyst? sp. E [Pl. 11, Fig. 10]
95 Ceratopsis sp. A [Pl. 1, Fig. 1]
96 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
97 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
98 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
99 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
100 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
101 Diphyes spp.
102 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
103 Dinocyst sp. D [Pl. 11, Fig. 7]
104 Cordosphaeridium modes [Pl. 13, Fig. 14]
105 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
106 Ceratopsis depressa
107 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
108 Dinocyst? sp. E [Pl. 11, Fig. 10]
109 Ceratopsis sp. A [Pl. 1, Fig. 1]
110 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
111 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
112 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
113 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
114 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
115 Diphyes spp.
116 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
117 Dinocyst sp. D [Pl. 11, Fig. 7]
118 Cordosphaeridium modes [Pl. 13, Fig. 14]
119 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
120 Ceratopsis depressa
121 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
122 Dinocyst? sp. E [Pl. 11, Fig. 10]
123 Ceratopsis sp. A [Pl. 1, Fig. 1]
124 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
125 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
126 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
127 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
128 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
129 Diphyes spp.
130 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
131 Dinocyst sp. D [Pl. 11, Fig. 7]
132 Cordosphaeridium modes [Pl. 13, Fig. 14]
133 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
134 Ceratopsis depressa
135 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
136 Dinocyst? sp. E [Pl. 11, Fig. 10]
137 Ceratopsis sp. A [Pl. 1, Fig. 1]
138 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
139 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
140 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
141 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
142 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
143 Diphyes spp.
144 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
145 Dinocyst sp. D [Pl. 11, Fig. 7]
146 Cordosphaeridium modes [Pl. 13, Fig. 14]
147 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
148 Ceratopsis depressa
149 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
150 Dinocyst? sp. E [Pl. 11, Fig. 10]
151 Ceratopsis sp. A [Pl. 1, Fig. 1]
152 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
153 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
154 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
155 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
156 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
157 Diphyes spp.
158 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
159 Dinocyst sp. D [Pl. 11, Fig. 7]
160 Cordosphaeridium modes [Pl. 13, Fig. 14]
161 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]
162 Ceratopsis depressa
163 Lissophaeridium? sp. B [Pl. 11, Fig. 11]
164 Dinocyst? sp. E [Pl. 11, Fig. 10]
165 Ceratopsis sp. A [Pl. 1, Fig. 1]
166 Alisocysta sp. cf. A. ornata [Pl. 6, Fig. 6]
167 Batiacasphaera sp. A [Pl. 6, Figs. 8,11]
168 Phthanoperidinium? brooksii [Pl. 10, Figs. 1,2]
169 Hystrichosphaeropsis sp. A [Pl. 2, Figs. 4,7,8]
170 Deflandrea edistoliensis (zwoinski?) [Pl. 12, Fig. 8]
171 Diphyes spp.
172 Hystrichosphaeropsis sp. B [Pl. 2, Figs. 1,2,3]
173 Dinocyst sp. D [Pl. 11, Fig. 7]
174 Cordosphaeridium modes [Pl. 13, Fig. 14]
175 Operculodinium sp. cf. O. centrocarpum [Pl. 13, Fig. 12]

Note: Age determinations (using the geochronology of Berggren et al., 1985) and nannofossil zones, are from Firth (this volume). The letters R, C, and A on the range chart indicate rare, common, and abundant respectively, and record approximate visual estimates of the abundance of taxa in each sample.