

APPENDIX 1

Taxa list

- Achilleodinium biformoides* (Eisenack, 1954) Eaton, 1976
Achomosphaera alcornu (Eisenack, 1954) Davey et Williams, 1966
Achomosphaera sp.
Adnatosphaeridium multispinosum Williams et Downie, 1966
Adnatosphaeridium robustum (Morgenroth, 1966) de Coninck, 1975
Alterbidinium sp.
Apteodinium sp.
Araneosphaera araneosa Eaton, 1976
Areoligera undulata Eaton, 1976
Areosphaeridium diktyoplokum (Klumpp, 1953) Eaton, 1971
Areosphaeridium ebdonii Bujak, 1994
Areosphaeridium michoudii Bujak, 1994
Batiacasphaera hirsuta Stover, 1977
Batiacasphaera micropapillata Stover, 1977
Batiacasphaera sp. A *sensu* Gedl, 2013
Batiacasphaera sp. C *sensu* Gedl, 2013
Batiacasphaera sp.
Cannosphaeropsis? sp.
Cerebrocysta bartonensis Bujak in Bujak et al., 1980
Cerodinium diebellii (Alberti, 1959) Lentini et Williams, 1987*
Charlesdowniea clathrata (Eisenack, 1938) Lentini et Vozzhennikova, 1989
Charlesdowniea coleothrypta (Williams et Downie, 1966) Lentini et Vozzhennikova, 1989
Charlesdowniea variabilis (Bujak in Bujak et al., 1980) Lentini et Vozzhennikova, 1989
Chiropteridium eocaenicum Heilmann-Clausen et Van Simaey, 2005
Chytroeisphaeridia sp.
Circulodinium sp.*
Cleistosphaeridium placacanthum (Deflandre et Cookson, 1955) Eaton, Fensome, Riding et Williams, 2001
Cleistosphaeridium cf. *placacanthum* (Deflandre et Cookson, 1955) Eaton, Fensome, Riding et Williams, 2001
Cleistosphaeridium? sp. A *sensu* Gedl, 2013
Cordosphaeridium cantharellus (Brosius, 1963) Gocht, 1969
Cordosphaeridium fibrospinosum Davey et Williams, 1966
Cordosphaeridium funiculatum Morgenroth, 1966
Cordosphaeridium gracile (Eisenack, 1954) Davey et Williams, 1966
Cordosphaeridium inodes (Klumpp, 1953) Eisenack, 1963
Cordosphaeridium cf. *inodes* (Klumpp, 1953) Eisenack, 1963
Cordosphaeridium minimum (Morgenroth, 1966) Benedek, 1972
Corrudinium incompositum (Drugg, 1970) Stover et Evitt, 1978
Corrudinium? sp. A *sensu* Gedl, 2005a
Cribroperidinium giuseppeii (Morgenroth, 1966) Helenes, 1984
Cribroperidinium sp.*
Ctenidodinium combazii Dupin, 1968*
Ctenidodinium continuum Gocht, 1970*
Dapsilidinium pastielsii (Davey et Williams, 1966) Bujak et al., 1980
Dapsilidinium pseudocolligerum (Stover, 1977) Bujak et al., 1980
Dapsilidinium sp.
Deflandrea arcuata Vozzhennikova, 1967
Deflandrea heterophlycta Deflandre et Cookson, 1955
Deflandrea phosphoritica Eisenack, 1938
Dinopterygium cladoides Morgenroth, 1966
Diphyes cf. *ficusoides* Islam, 1983
Diphyes colligerum (Deflandre et Cookson, 1955) Cookson, 1965
Distatodinium ellipticum (Cookson, 1965) Eaton, 1976
Distatodinium ?tenerum (Benedek, 1972) Eaton, 1976
Dracodinium? condylos (Williams et Downie, 1966) Costa et Downie, 1979
Dracodinium rhomboideum (Alberti, 1961) Costa et Downie, 1979
Dracodinium cf. *rhomboideum* (Alberti, 1961) Costa et Downie, 1979
Dracodinium solidum Gocht, 1955
Dracodinium sp.
Ectosphaeropsis? sp.
Elytrocysta? sp.
Enneadocysta arcuata (Eaton, 1971) Stover et Williams, 1995
Enneadocysta fenestrata (Bujak, 1976) Stover et Williams, 1995
Enneadocysta multicornuta (Eaton, 1971) Stover et Williams, 1995
Enneadocysta pectiniformis (Gerlach, 1961) Stover et Williams, 1995
Epiplosphaera? sp.*
Fibrocyta radiata (Morgenroth, 1966) Stover et Evitt, 1978
Fibrocyta vectensis (Eaton, 1976) Stover et Evitt, 1978
Gen. et spec. indet. C *sensu* Gedl, 2013
Glaphyrocysta semitecta (Bujak in Bujak et al., 1980) Lentini et Williams, 1981
Glaphyrocysta? vicina (Eaton, 1976) Stover et Evitt, 1978
Glaphyrocysta sp.
Gonyaulacysta sp.*
Hemiplacophora semilunifera Cookson et Eisenack, 1965
Heterelaucacysta leptalea Eaton, 1976
Heterelaucacysta porosa Bujak in Bujak et al., 1980
Homotryblium aculeatum Williams, 1978
Homotryblium caliculum Bujak in Bujak et al., 1980
Homotryblium floripes (Deflandre et Cookson, 1955) Stover, 1975
Homotryblium oceanicum Eaton, 1976
Hystrichokolpoma cinctum Klumpp, 1953
Hystrichokolpoma globulus Michoux, 1985
Hystrichokolpoma rigaudiae Deflandre et Cookson, 1955
Hystrichokolpoma salacia Eaton, 1976
Hystrichosphaeropsis rectangularis Bujak in Bujak et al., 1980
Hystrichosphaeropsis sp.
Hystrichostrogylon coninckii Heilmann-Clausen, 1985
Hystrichostrogylon membraniphorum Agelopoulos, 1964
Impagidinium ?gibrense Michoux, 1985
Impagidinium maculatum (Cookson et Eisenack, 1961) Stover et Evitt, 1978

- Impagidinium* sp.
Kallosphaeridium sp.
Lantemosphaeridium sp. 1 sensu Heilmann-Clausen et Van Simaey, 2005
Lejeunecysta sp.
Lentinia serrata Bujak, 1980
Lingulodinium machaerophorum (Deflandre et Cookson, 1955) Wall, 1967
Melitasphaeridium asterium (Eaton, 1976) Bujak et al., 1980
Melitasphaeridium pseudorecurvatum (Morgenroth, 1966) Bujak et al., 1980
Membranilamacia? sp.
Membranophoridium aspinatum Gerlach, 1961
Microdinium spp.
Muderongia perforata Alberti, 1961*
Occisucysta sp.*
Odontochitina operculata (Wetzel, 1933) Deflandre et Cookson, 1955*
Operculodinium centrocarpum (Deflandre et Cookson, 1955) Wall, 1967
Operculodinium divergens (Eisenack, 1954) Stover et Evitt, 1978
Operculodinium microtriainum (Klumpp, 1953) Islam, 1983
Operculodinium nanaconulum Islam, 1983
Operculodinium tiara (Klumpp, 1953) Stover et Evitt, 1978
Operculodinium sp.
Palaeocystodinium golzowense Alberti, 1961
Palaeohystrichophora infusorioides Deflandre, 1935*
Pareodinia sp.*
Pentadinium laticinctum Gerlach, 1961
Phthanoperidinium comatum (Morgenroth, 1966) Eisenack et Kjellström, 1972
Phthanoperidinium stockmansii (de Coninck, 1975) Lentin et Williams, 1977
Pyxidiella? sp.
Pyxidiniopsis spp.
- Pyxidiniopsis?* sp.
Rhombodinium perforatum (Jan du Chêne et Châteauneuf, 1975) Lentin et Williams, 1977
Rhynchodiniopsis sp.*
Rottnestia borussica (Eisenack, 1954) Cookson et Eisenack, 1961
Samlandia chlamydophora Eisenack, 1954
Selenopemphix armata Bujak, 1980
Selenopemphix nephroides Benedek, 1972
Selenopemphix sp. A sensu Gedl, 2005a
Selenopemphix sp.
Sentusidinium sp.*
Spinidinium sp.
Spiniferella cornuta (Gerlach, 1961) Stover et Hardenbol, 1994
Spiniferites pseudofurcatus (Klumpp, 1953) Sarjeant, 1970
Spiniferites ramosus (Ehrenberg, 1838) Mantell, 1854
Tectatodinium pellitum Wall, 1967
Thalassiphora delicata Williams et Downie, 1966
Thalassiphora pelagica (Eisenack, 1954) Eisenack et Gocht, 1960
Trichodinium sp.*
Wetziella articulata Wetzel in Eisenack, 1938
Wetziella eocaenica Agelopoulos, 1967
Wetziella meckenfeldensis Gocht, 1969
Wetziella simplex (Bujak, 1979) Lentin et Vozzhennikova, 1989
Wetziella symmetrica Weiler, 1956
Wetziella sp.
Wilsonidinium echinosuturatum (Wilson, 1967) Lentin et Williams, 1976
?Ynezidinium brevisulcatum (Michoux, 1985) Lucas-Clark et Helenes, 2000

* – recycled pre-Eocene taxa