

APPENDIX 2

List of dinoflagellate cysts recorded from the section examined in this study
The references for the author citations listed below are given in DINOFLAJ3 (Williams et al., 2017)

Achomosphaera sp.
Achomosphaera alcornu (Eisenack, 1954) Davey and Williams, 1966
Achomosphaera crassipelis (Deflandre and Cookson, 1955) Stover and Evitt, 1978
Achomosphaera neptuni (Eisenack 1958) Davey and Williams, 1966
Achomosphaera ramulifera (Deflandre 1937) Evitt 1963
Achomosphaera cf. *sagena* Davey and Williams, 1966
Adnatosphaeridium sp.
Adnatosphaeridium vittatum Williams and Downie, 1966
Adnatosphaeridium williamsi Islam, 1983
Alterbidinium sp.
Apectodinium sp.
Apectodinium augustum (Harland, 1979) Williams et al., 2015
Apectodinium homomorphum (Deflandre and Cookson, 1955) Lentin and Williams, 1977
Apectodinium hyperacanthum (Cookson and Eisenack, 1965) Lentin and Williams, 1977
Apectodinium longispinosum (Wilson, 1968) Bujak and Davies, 1983
Apectodinium paniculatum (Costa and Downie, 1976) Lentin and Williams, 1977
Apectodinium parvum (Alberti, 1961) Lentin and Williams, 1977
Apectodinium quinquelatum (Williams and Downie, 1966) Costa and Downie, 1979
Areoligera sp.
Areoligera coronata (Wetzel 1933) Lejeune-Carpentier 1938
Areoligera cf. *crescentis* Damassa, 1979
Areoligera medusettiformis Wetzel, 1993
Areoligera senonensis Lejeune-Carpentier 1938
Areoligera undulata Eaton, 1976
Areoligera cf. *volata* Drugg, 1967
Batiacasphaera sp.
Caligodinium sp.
Cannosphaeropsis sp.
Cerbia sp.
Cerodinium sp.
Cerodinium diebelli (Alberti, 1959) Lentin and Williams, 1987
Cerodinium speciosum (Alberti, 1959) Lentin and Williams, 1987
Chatangiella sp.
Chatangiella cf. *bondarenkoi* (Vozzhennikova, 1967) Lentin and Williams, 1976
Chatangiella cf. *vnigrii* (Vozzhennikova, 1967) Lentin and Williams, 1976
Chichaouadinium sp.
Circulodinium sp.
Exiguisphaera? sp.
Cleistosphaeridium sp.
Cleistosphaeridium diversispinosum Davey et al., 1966
Cleistosphaeridium polypetellum (Islam, 1983) Stover and Williams, 1995
Cordosphaeridium sp.
Cordosphaeridium fibrospinosum Davey and Williams, 1966
Cordosphaeridium funiculatum Morgenroth, 1966
Coronifera sp.
Coronifera oceanica Cookson and Eisenack, 1958
Corrudinium? sp.
Ctenidodinium sp.
Culvresphaera velata (Clarke and Verdier, 1967) Prince et al., 2008
Cyclonephelium sp.
Danea sp.
Deflandrea sp.
Deflandrea oebisfeldensis Alberti 1959
Diphyes sp.
Diphyes colligerum (Deflandre and Cookson, 1955) Cookson, 1965
Distatodinium sp.
Epelidinium sp.
Eocladopyxis sp.
Exiguisphaera? sp.
Exochosphaeridium sp.
Fibrocysta sp.
Fibrocysta bipolaris (Cookson and Eisenack, 1965) Stover and Evitt, 1978
Fibrocysta vectensis (Eaton, 1976) Stover and Evitt, 1978
Florentinia reichartii Slujs and Brinkhuis, 2009

Glaphyrocysta sp.
Glaphyrocysta divaricata (Williams and Downie, 1966) Stover and Evitt, 1978
Glaphyrocysta exuberans (Deflandre and Cookson, 1955) Stover and Evitt, 1978
Glaphyrocysta cf. *microfenestrata* (Bujak, 1976) Stover and Evitt, 1978
Glaphyrocysta ordinata (Williams and Downie, 1966) Stover and Evitt, 1978
Glaphyrocysta pastielsii (Deflandre and Cookson, 1955) Stover and Evitt, 1978
Glaphyrocysta perforata Hultberg and Malmgren, 1985
Glaphyrocysta retiintexta (Cookson, 1965) Stover and Evitt, 1978
Glaphyrocysta semitecta (Bujak, 1980) Lentin and Williams, 1981
Glaphyrocysta? vicina (Eaton, 1976) Stover and Evitt, 1978
Gonyaulacysta sp.
Heteraulacacysta sp.
Heterosphaeridium sp.
Homotryblium sp.
Homotryblium abbreviatum Eaton, 1976
Homotryblium tenuispinosum Davey and Williams, 1966
Hystrichokolpoma sp.
Hystrichokolpoma cinctum Klumpp, 1953
Hystrichokolpoma rigaudiae Deflandre and Cookson, 1955
Hystrichokolpoma salacia Eaton, 1976
Hystrichosphaeridium sp.
Hystrichosphaerina sp.
Hystrichostrogylon sp.
Hystrichostrogylon membraniphorum Agelopoulos, 1964
Impagidinium sp.
Isabelidinium sp.
Kiokansium? sp.
Kallosphaeridium? sp.
Lejeunecysta sp.
Lentinia wetzelli (Morgenroth, 1966) Bujak, 1980
Leptodinium sp.
Lingulodinium sp.
Membranophoridium sp.
Melitasphaeridium sp.
Muratodinium sp.
Nematosphaeropsis sp.
Oligosphaeridium sp.
Oligosphaeridium complex (White, 1842) Davey and Williams, 1966
Oligosphaeridium poculum Jain, 1977
Operculodinium sp.
Operculodinium tiara (Klumpp, 1953) Stover and Evitt, 1978
Palaeochystrichophora sp.
Palaeocystodinium sp.
Palaeocystodinium bulliforme Ioannides, 1986
Palaeocystodinium golzowense Alberti, 1961
Palaeoperidinium sp.
Phelodinium magnificum (Stanley, 1965) Stover and Evitt, 1978
Polysphaeridium sp.
Pyxidiniopsis sp.
Raetiaedinium? sp.
Rhynchodiniopsis sp.
Rotnestia? borrusica (Eisenack, 1945) Cookson and Eisenack, 1961
Selenophempix sp.
Selenophempix cf. *armata* Bujak, 1980
Spinidinium sp.
Spiniferites sp.
Spiniferites pseudofurcatus (Klumpp, 1953) Sarjeant, 1970
Spiniferites ramosus (Ehrenberg, 1837) Mantell, 1854
Spongiodinium sp.
Subtilisphaera sp.
Surculosphaeridium sp.
Systematophora sp.
Tanyosphaeridium salpinx Norvick, 1976
Tubotuburella? sp.
Thalassiphora sp.
Thalassiphora delicata Williams and Downie, 1966
Trabeculidium? sp.
Wetzeliella sp.
Wetzeliella cf. *articulata* Eisenack, 1938
Wilsonidium sp.