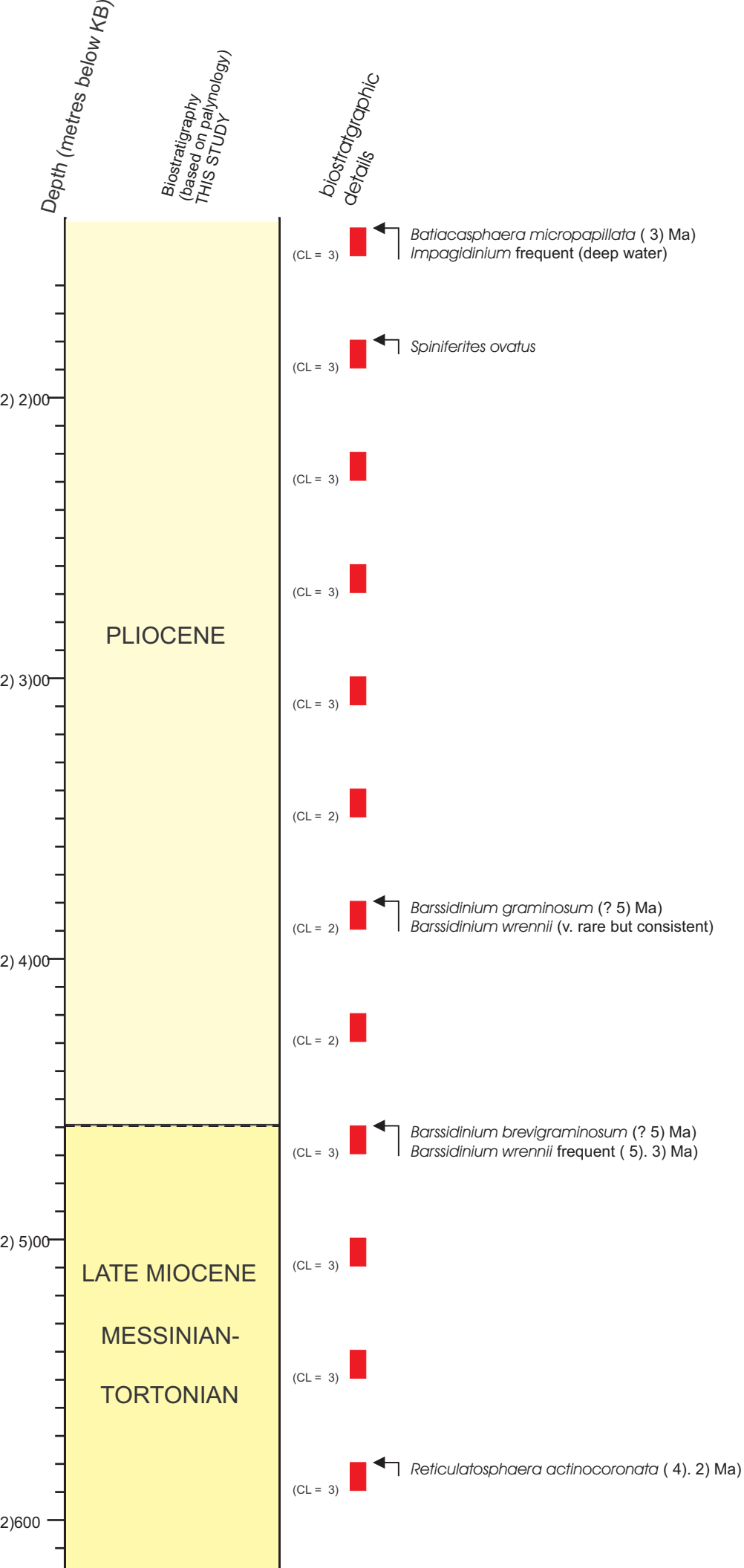
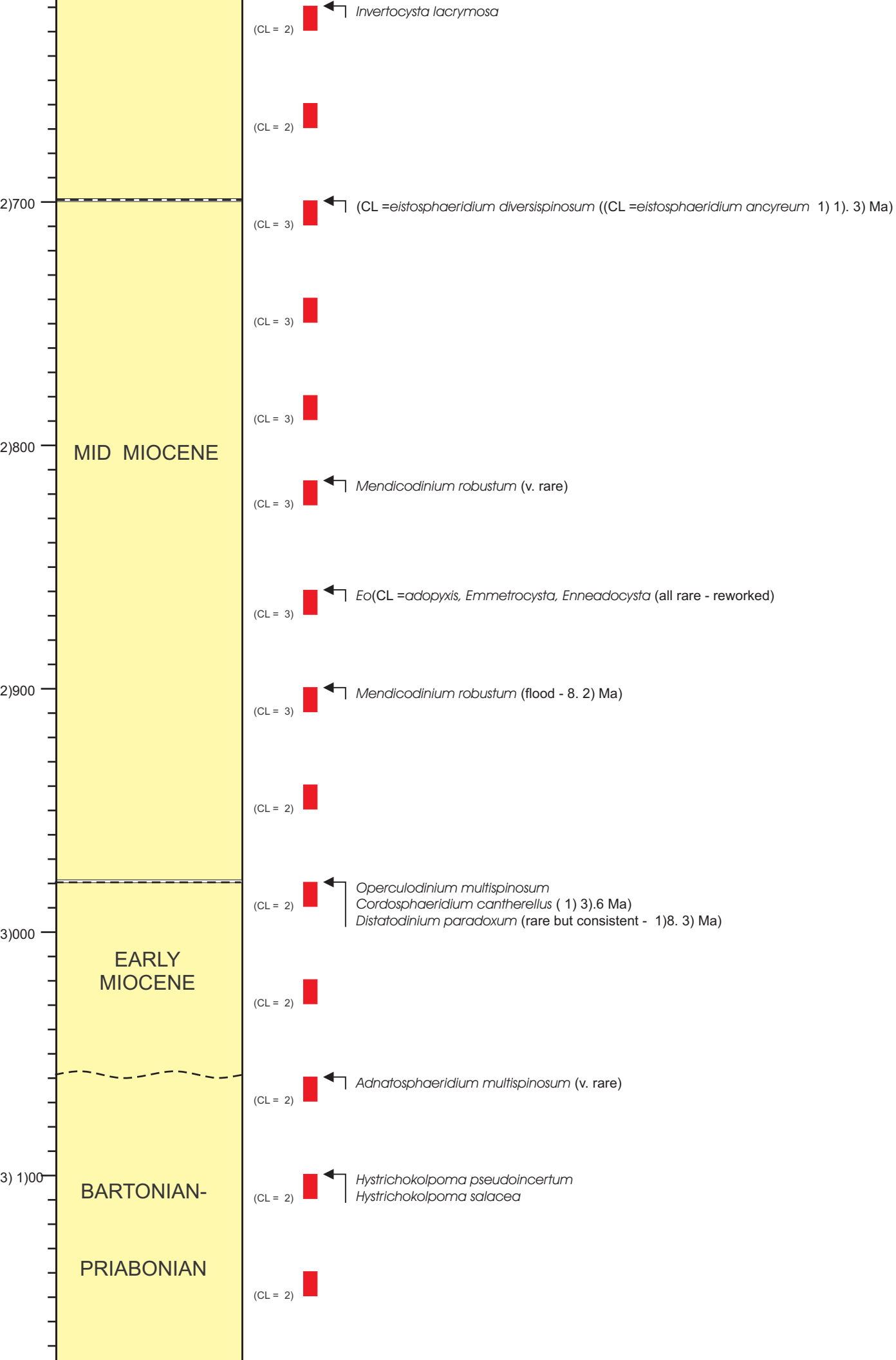
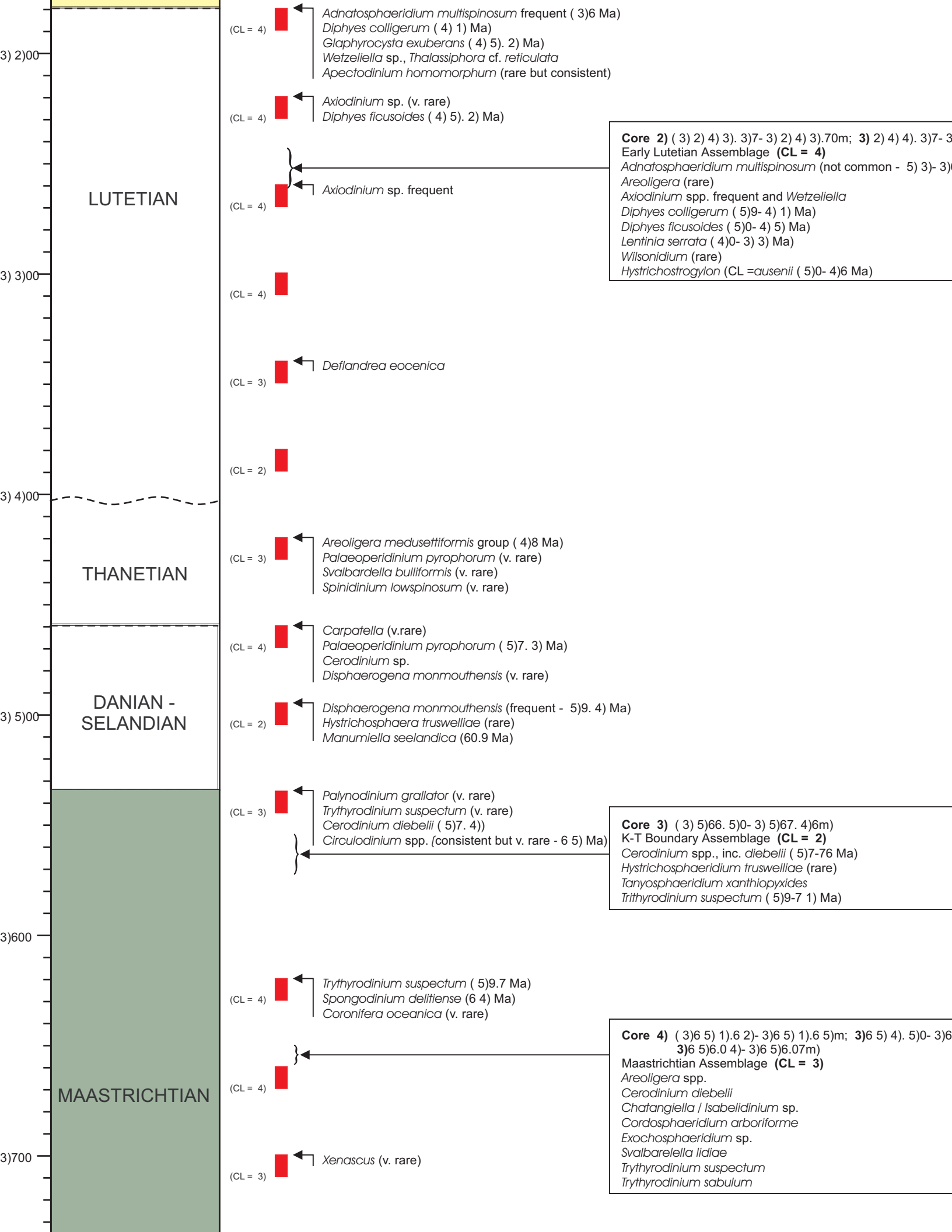

Depth (metres below KB)
Biostratigraphy (based on palynology) THIS STUDY
biostratgraphic details
PLIOCENE
LATE MIOCENE
MESSINIAN-
TORTONIAN
2) 2)00
2) 3)00
2) 4)00
2) 5)00
2)600
(CL = 3)
(CL = 3)
(CL = 3)
(CL = 3)
(CL = 3)
(CL = 2)
(CL = 2)
(CL = 2)
(CL = 3)
(CL = 3)
(CL = 3)
(CL = 3)
Batiacasphaera micropapillata (3) Ma)
Impagidinium frequent (deep water)
Spiniferites ovatus
Barssidinium graminosum (? 5) Ma)
Barssidinium wrennii (v. rare but consistent)
Barssidinium brevigraminosum (? 5) Ma)
Barssidinium wrennii frequent (5). 3) Ma)
Reticulatosphaera actinocoronata (4). 2) Ma)

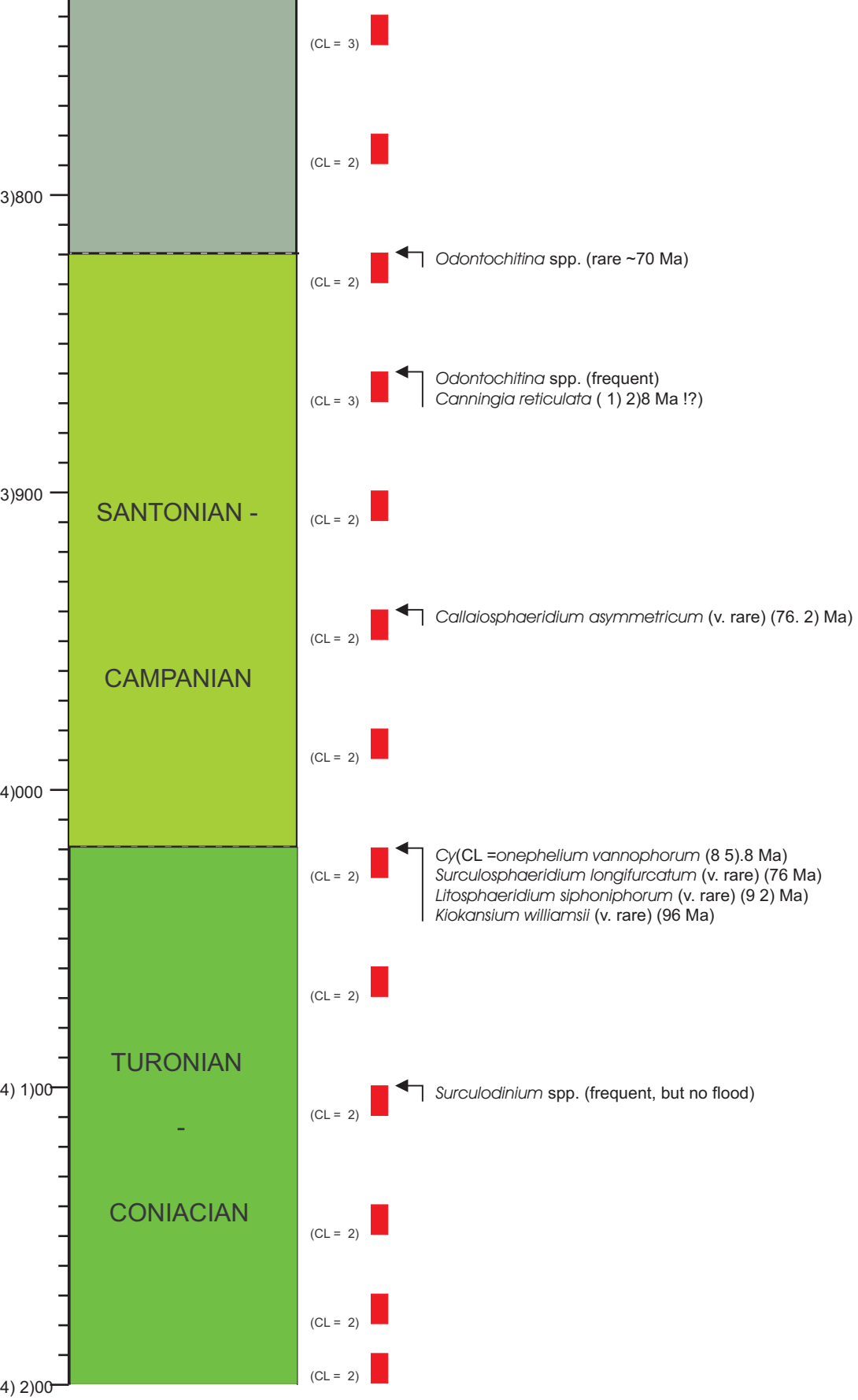

Invertocysta lacrymosa
(CL = 2)
(CL = 2)
2)700
(CL =eistosphaeridium diversispinosum ((CL =eistosphaeridium ancyreum 1) 1). 3) Ma)
(CL = 3)
(CL = 3)
(CL = 3)
2)800
MID MIOCENE
Mendicodinium robustum (v. rare)
(CL = 3)
Eo(CL =adopyxis, Emmetrocysta, Enneadocysta (all rare - reworked)
(CL = 3)
2)900
Mendicodinium robustum (flood - 8. 2) Ma)
(CL = 3)
(CL = 2)
Operculodinium multispinosum
Cordosphaeridium cantherellus (1) 3).6 Ma)
Distatodinium paradoxum (rare but consistent - 1)8. 3) Ma)
(CL = 2)
3)000
EARLY MIOCENE
(CL = 2)
Adnatosphaeridium multispinosum (v. rare)
(CL = 2)
3) 1)00
BARTONIAN-
Hystrichokolpoma pseudoincertum
Hystrichokolpoma salacea
(CL = 2)
PRIABONIAN
(CL = 2)


3) 2)00
3) 3)00
3) 4)00
3) 5)00
3)600
3)700
LUTETIAN
THANETIAN
DANIAN - SELANDIAN
MAASTRICHTIAN
(CL = 4)
Adnatosphaeridium multispinosum frequent (3)6 Ma)
Diphyes colligerum (4) 1) Ma)
Glaphyrocysta exuberans (4) 5). 2) Ma)
Wetzeliella sp., Thalassiphora cf. reticulata
Apectodinium homomorphum (rare but consistent)
(CL = 4)
Axiodinium sp. (v. rare)
Diphyes ficusoides (4) 5). 2) Ma)
Core 2) (3) 2) 4) 3). 3)7- 3) 2) 4) 3).70m; 3) 2) 4) 4). 3)7- 3
Early Lutetian Assemblage (CL = 4)
Adnatosphaeridium multispinosum (not common - 5) 3)- 3)
Areoligera (rare)
Axiodinium spp. frequent and Wetzeliella
Diphyes colligerum (5)9- 4) 1) Ma)
Diphyes ficusoides (5)0- 4) 5) Ma)
Lentinia serrata (4)0- 3) 3) Ma)
Wilsonidium (rare)
Hystrichostrogylon (CL =ausenii (5)0- 4)6 Ma)
(CL = 4)
Axiodinium sp. frequent
(CL = 4)
(CL = 3)
Deflandrea eocenica
(CL = 2)
(CL = 3)
Areoligera medusettiformis group (4)8 Ma)
Palaeoperidinium pyrophorum (v. rare)
Svalbardella bulliformis (v. rare)
Spinidinium lowspinosum (v. rare)
(CL = 4)
Carpatella (v.rare)
Palaeoperidinium pyrophorum (5)7. 3) Ma)
Cerodinium sp.
Disphaerogena monmouthensis (v. rare)
(CL = 2)
Disphaerogena monmouthensis (frequent - 5)9. 4) Ma)
Hystrichosphaera truswelliae (rare)
Manumiella seelandica (60.9 Ma)
(CL = 3)
Palynodinium grallator (v. rare)
Trythyrodinium suspectum (v. rare)
Cerodinium diebelii (5)7. 4))
Circulodinium spp. (consistent but v. rare - 6 5) Ma)
Core 3) (3) 5)66. 5)0- 3) 5)67. 4)6m)
K-T Boundary Assemblage (CL = 2)
Cerodinium spp., inc. diebelii (5)7-76 Ma)
Hystrichosphaeridium truswelliae (rare)
Tanyosphaeridium xanthiopyxides
Trithyrodinium suspectum (5)9-7 1) Ma)
(CL = 4)
Trythyrodinium suspectum (5)9.7 Ma)
Spongodinium delitiense (6 4) Ma)
Coronifera oceanica (v. rare)
Core 4) (3)6 5) 1).6 2)- 3)6 5) 1).6 5)m; 3)6 5) 4). 5)0- 3)6
3)6 5)6.0 4)- 3)6 5)6.07m)
Maastrichtian Assemblage (CL = 3)
Areoligera spp.
Cerodinium diebelii
Chatangiella / Isabelidinium sp.
Cordosphaeridium arboriforme
Exochosphaeridium sp.
Svalbarelella lidiae
Trythyrodinium suspectum
Trythyrodinium sabulum
(CL = 4)
(CL = 3)
Xenascus (v. rare)

) 2) 4) 5). 1)0m)

6 Ma)

5) 4). 5) 3)m;


(CL = 3)
(CL = 2)
3)800
(CL = 2)
Odontochitina spp. (rare ~70 Ma)
(CL = 3)
Odontochitina spp. (frequent)
Canningia reticulata (1) 2)8 Ma !?)
3)900
SANTONIAN -
(CL = 2)
(CL = 2)
Callaiosphaeridium asymmetricum (v. rare) (76. 2) Ma)
CAMPANIAN
(CL = 2)
4)000
(CL = 2)
Cy(CL =onephelium vannophorum (8 5).8 Ma)
Surculosphaeridium longifurcatum (v. rare) (76 Ma)
Litosphaeridium siphoniphorum (v. rare) (9 2) Ma)
Kiokansium williamsii (v. rare) (96 Ma)
(CL = 2)
TURONIAN
4) 1)00
(CL = 2)
Surculodinium spp. (frequent, but no flood)
-
CONIACIAN
(CL = 2)
(CL = 2)
4) 2)00
(CL = 2)