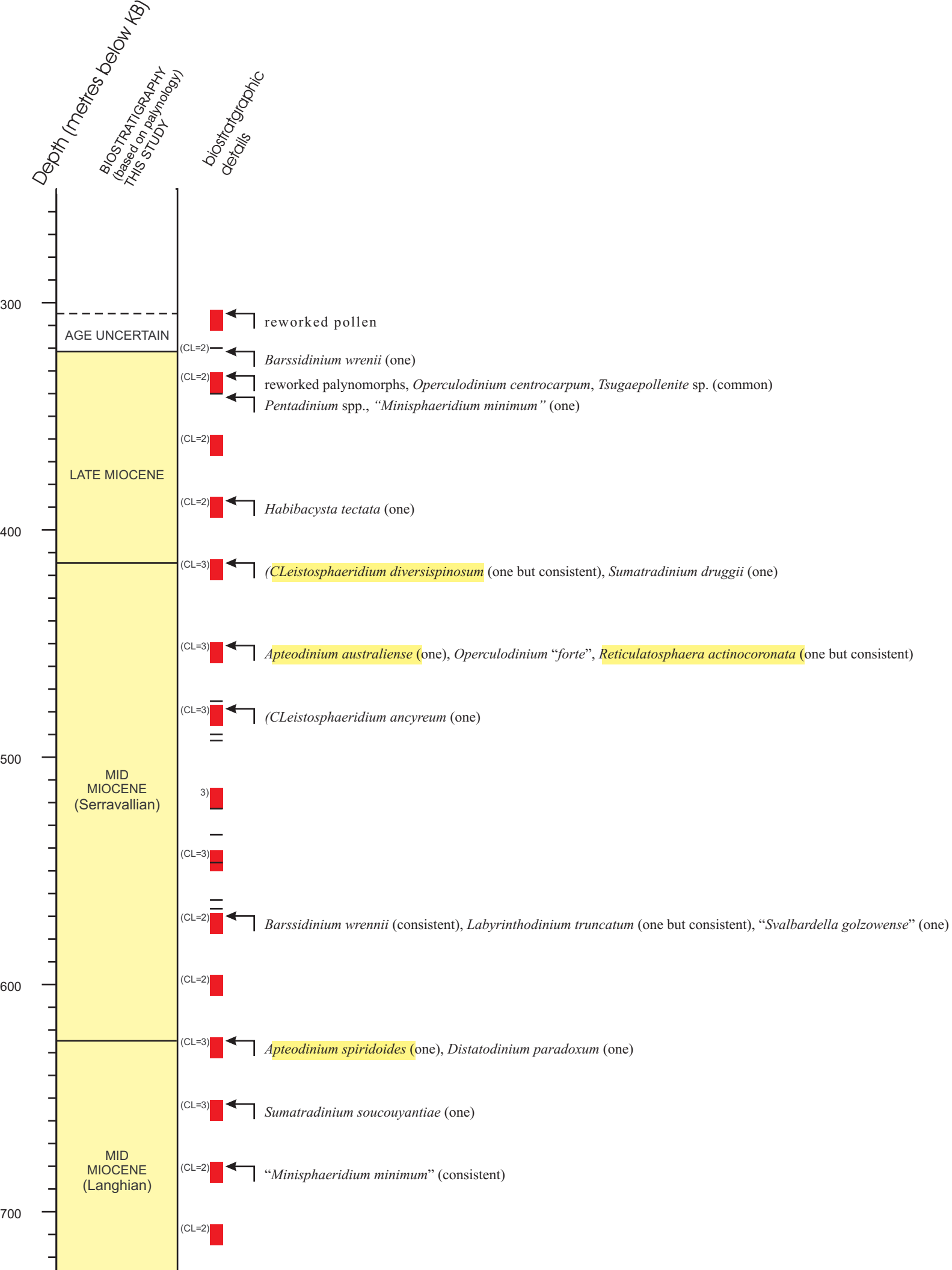
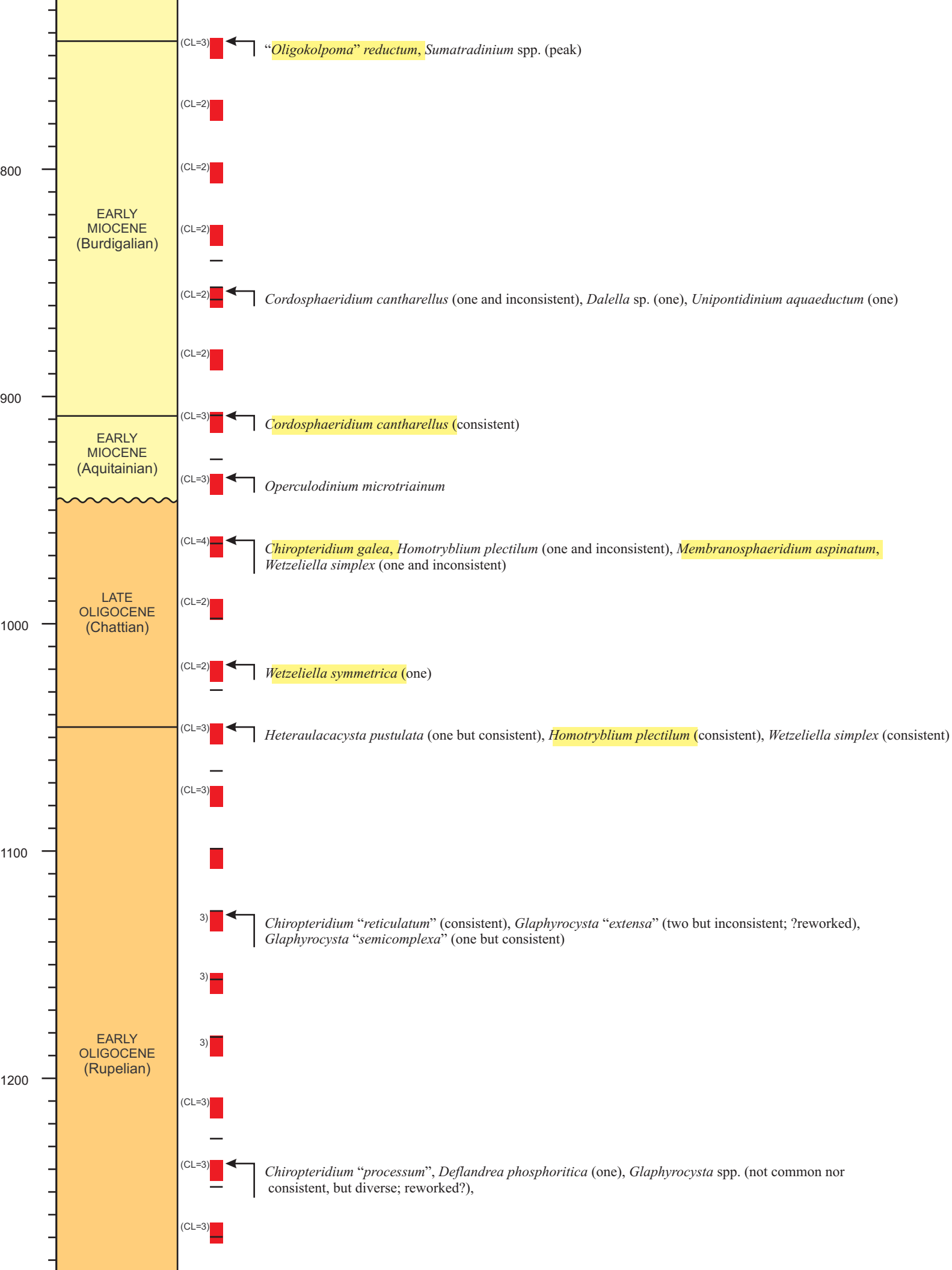
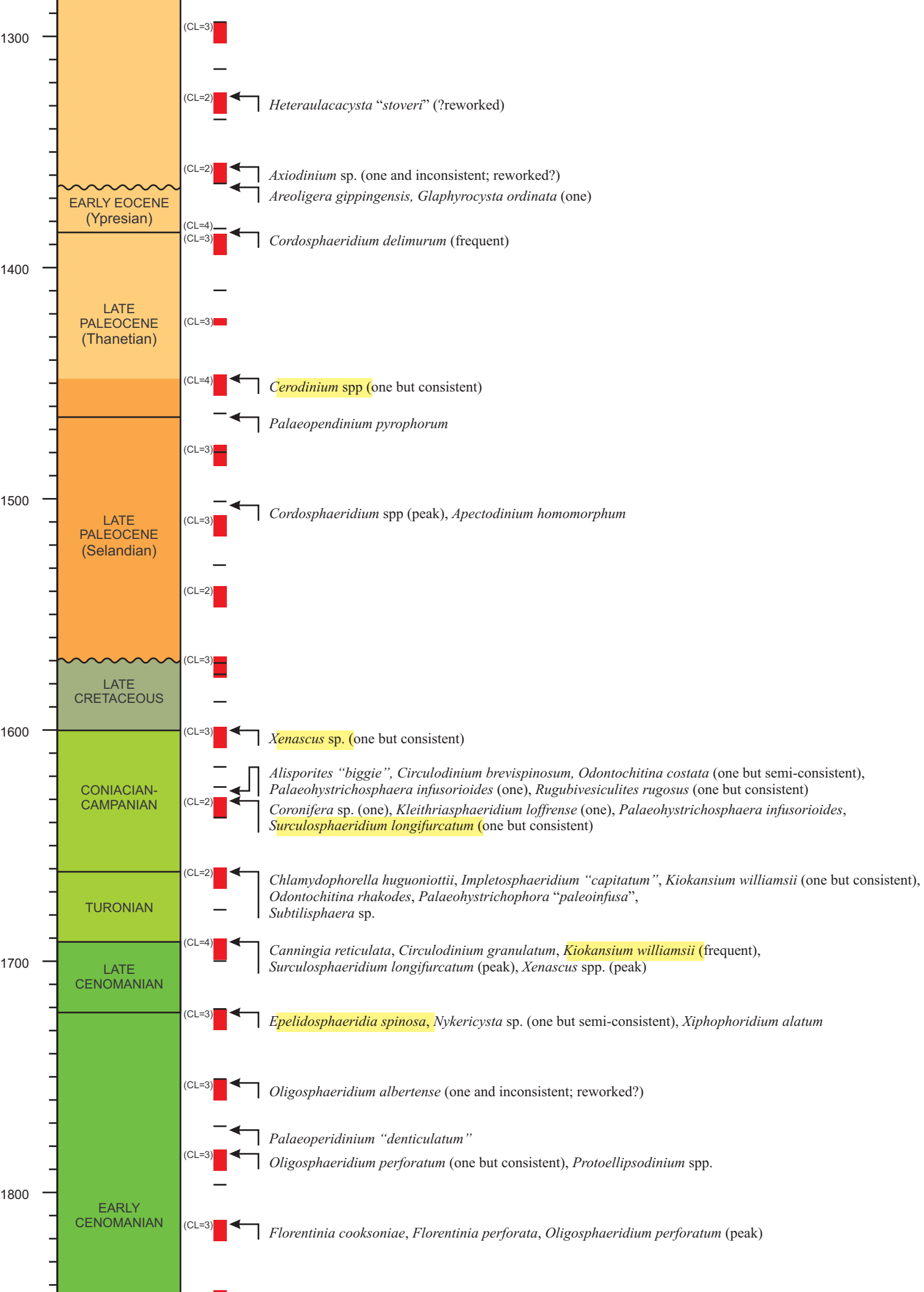

Depth (metres below KB)
BIOSTRATIGRAPHY (based on palynology) THIS STUDY
biostratgraphic details
300
400
500
600
700
AGE UNCERTAIN
LATE MIOCENE
MID MIOCENE (Serravallian)
MID MIOCENE (Langhian)
reworked pollen
(CL=2)
Barssidinium wrenii (one)
(CL=2)
reworked palynomorphs, Operculodinium centrocarpum, Tsugaepollenite sp. (common)
Pentadinium spp., "Minisphaeridium minimum" (one)
(CL=2)
(CL=2)
Habibacysta tectata (one)
(CL=3)
(CLeistosphaeridium diversispinosum (one but consistent), Sumatradinium druggii (one)
(CL=3)
Apteodinium australiense (one), Operculodinium "forte", Reticulatosphaera actinocoronata (one but consistent)
(CL=3)
(CLeistosphaeridium ancyreum (one)
3)
(CL=3)
(CL=2)
Barssidinium wrennii (consistent), Labyrinthodinium truncatum (one but consistent), "Svalbardella golzowense" (one)
(CL=2)
(CL=3)
Apteodinium spiridoides (one), Distatodinium paradoxum (one)
(CL=3)
Sumatradinium soucouyantiae (one)
(CL=2)
"Minisphaeridium minimum" (consistent)
(CL=2)


800
900
1000
1100
1200
EARLY MIOCENE (Burdigalian)
EARLY MIOCENE (Aquitainian)
LATE OLIGOCENE (Chattian)
EARLY OLIGOCENE (Rupelian)
(CL=3)
(CL=2)
(CL=2)
(CL=2)
(CL=2)
(CL=2)
(CL=3)
(CL=3)
(CL=4)
(CL=2)
(CL=2)
(CL=3)
(CL=3)
3)
3)
3)
(CL=3)
(CL=3)
(CL=3)
"Oligokolpoma" reductum, Sumatradinium spp. (peak)
Cordosphaeridium cantharellus (one and inconsistent), Dalella sp. (one), Unipontidinium aquaeductum (one)
Cordosphaeridium cantharellus (consistent)
Operculodinium microtriainum
Chiropteridium galea, Homotryblium plectilum (one and inconsistent), Membranosphaeridium aspinatum, Wetzeliella simplex (one and inconsistent)
Wetzeliella symmetrica (one)
Heteraulacacysta pustulata (one but consistent), Homotryblium plectilum (consistent), Wetzeliella simplex (consistent)
Chiropteridium "reticulatum" (consistent), Glaphyrocysta "extensa" (two but inconsistent; ?reworked), Glaphyrocysta "semicomplexa" (one but consistent)
Chiropteridium "processum", Deflandrea phosphoritica (one), Glaphyrocysta spp. (not common nor consistent, but diverse; reworked?),


1300
1400
1500
1600
1700
1800
EARLY EOCENE (Ypresian)
LATE PALEOCENE (Thanetian)
LATE PALEOCENE (Selandian)
LATE CRETACEOUS
CONIACIAN-CAMPANIAN
TURONIAN
LATE CENOMANIAN
EARLY CENOMANIAN
(CL=3)
(CL=2)
(CL=2)
(CL=4)
(CL=3)
(CL=3)
(CL=4)
(CL=3)
(CL=3)
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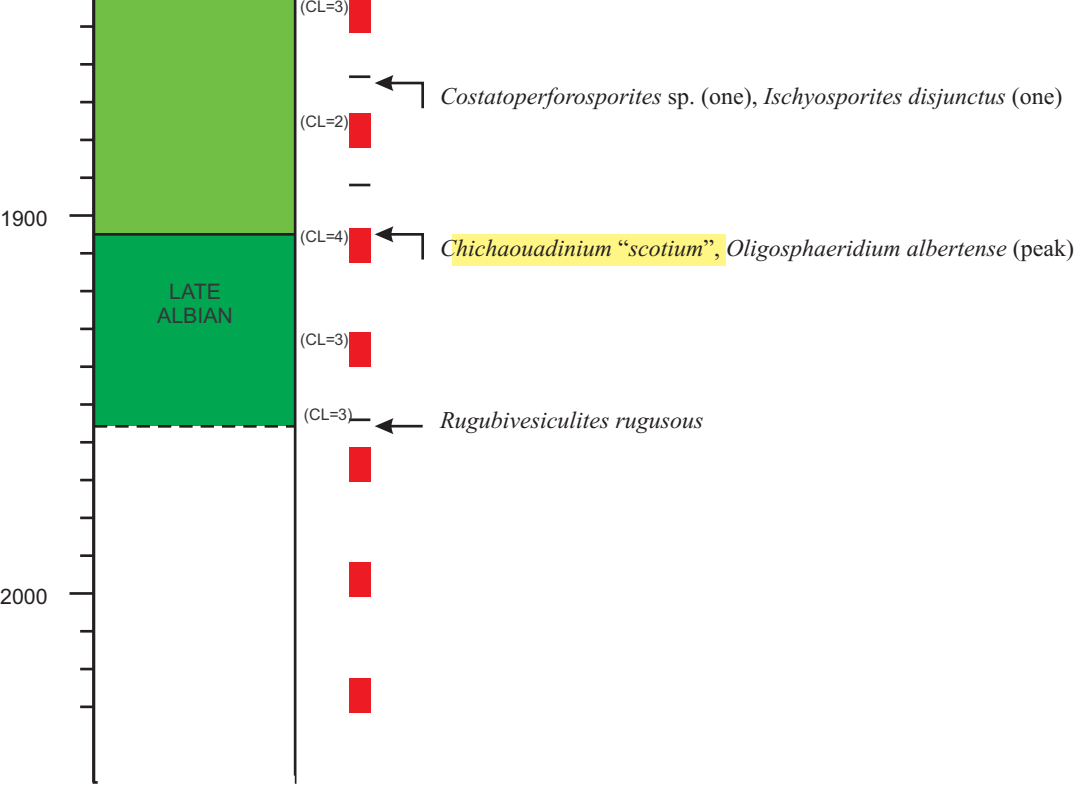
(CL=3)
(CL=3)
(CL=2)
(CL=2)
(CL=4)
(CL=3)
(CL=3)
(CL=3)
(CL=3)
Heteraulacacysta "stoveri" (?reworked)
Axiodinium sp. (one and inconsistent; reworked?)
Areoligera gippingensis, Glaphyrocysta ordinata (one)
Cordosphaeridium delimurum (frequent)
Cerodinium spp (one but consistent)
Palaeopendinium pyrophorum
Cordosphaeridium spp (peak), Apectodinium homomorphum
Xenascus sp. (one but consistent)
Alisporites "biggie", Circulodinium brevispinosum, Odontochitina costata (one but semi-consistent),
Palaeohystrichosphaera infusorioides (one), Rugubivesiculites rugosus (one but consistent)
Coronifera sp. (one), Kleithriasphaeridium loffrense (one), Palaeohystrichosphaera infusorioides,
Surculosphaeridium longifurcatum (one but consistent)
Chlamydophorella huguoniottii, Impletosphaeridium "capitatum", Kiokansium williamsii (one but consistent),
Odontochitina rhakodes, Palaeohystrichophora "paleoinfusa",
Subtilisphaera sp.
Canningia reticulata, Circulodinium granulatum, Kiokansium williamsii (frequent),
Surculosphaeridium longifurcatum (peak), Xenascus spp. (peak)
Epelidosphaeridia spinosa, Nykericysta sp. (one but semi-consistent), Xiphophoridium alatum
Oligosphaeridium albertense (one and inconsistent; reworked?)
Palaeoperidinium "denticulatum"
Oligosphaeridium perforatum (one but consistent), Protoellipsodinium spp.
Florentinia cooksoniae, Florentinia perforata, Oligosphaeridium perforatum (peak)


(CL=3)
Costatoperforosporites sp. (one), Ischyosporites disjunctus (one)
(CL=2)
1900
(CL=4)
Chichaouadinium "scotium", Oligosphaeridium albertense (peak)
LATE
ALBIAN
(CL=3)
(CL=3)
Rugubivesiculites rugusous
2000