

Supplementary material

Fire regime and vegetation change in the transition from Aboriginal to European land management in a Tasmanian eucalypt savanna

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Fig. S1. Pollen diagram of Diprose lagoon

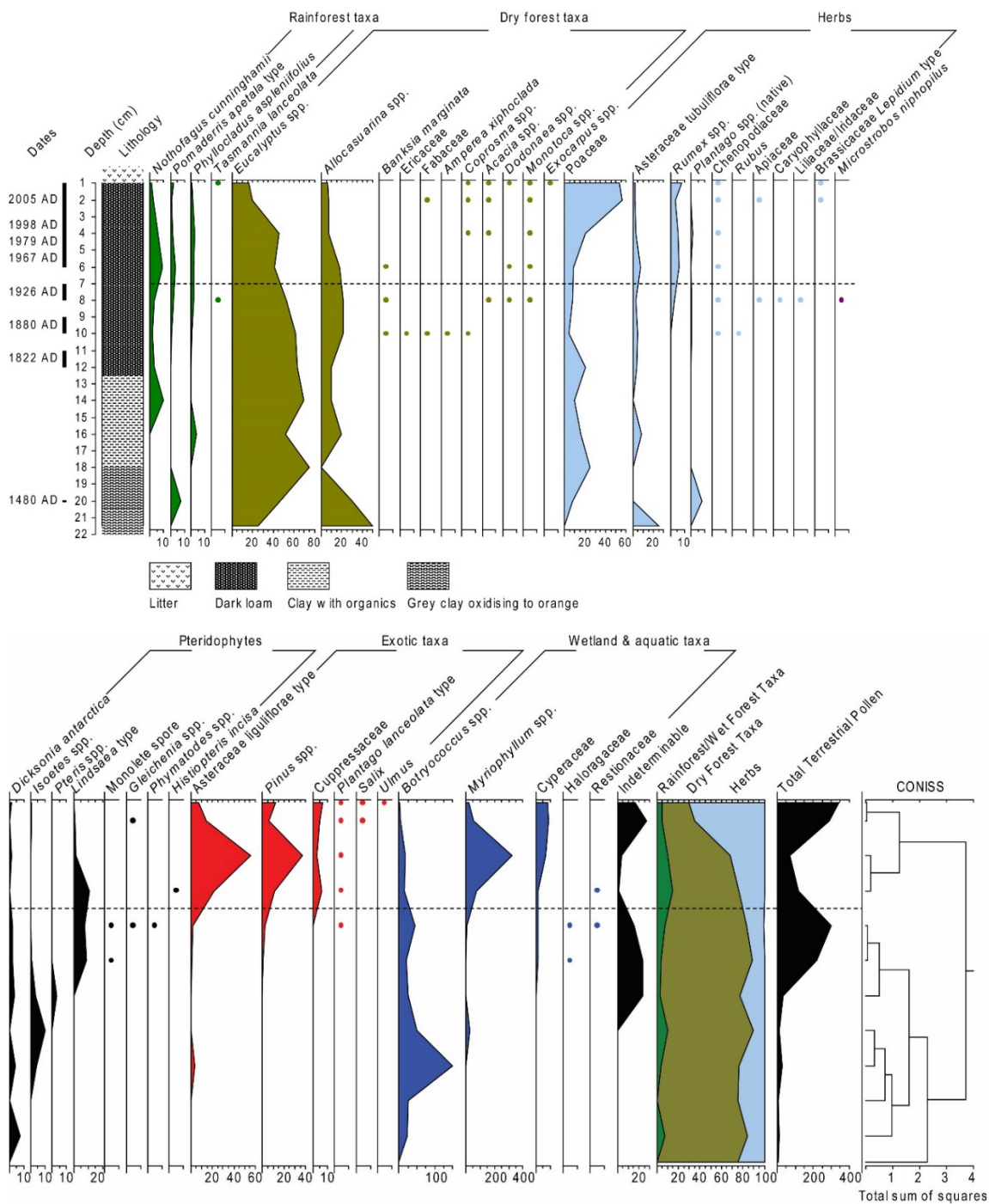
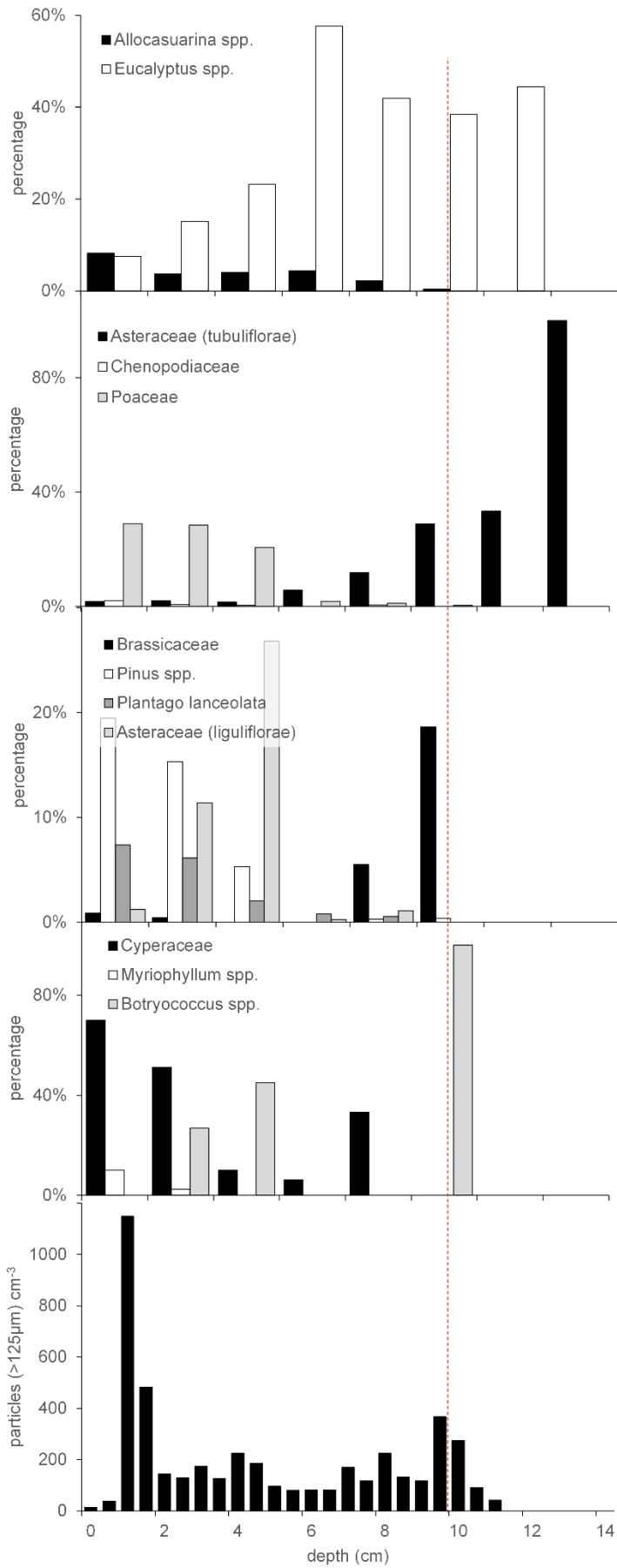
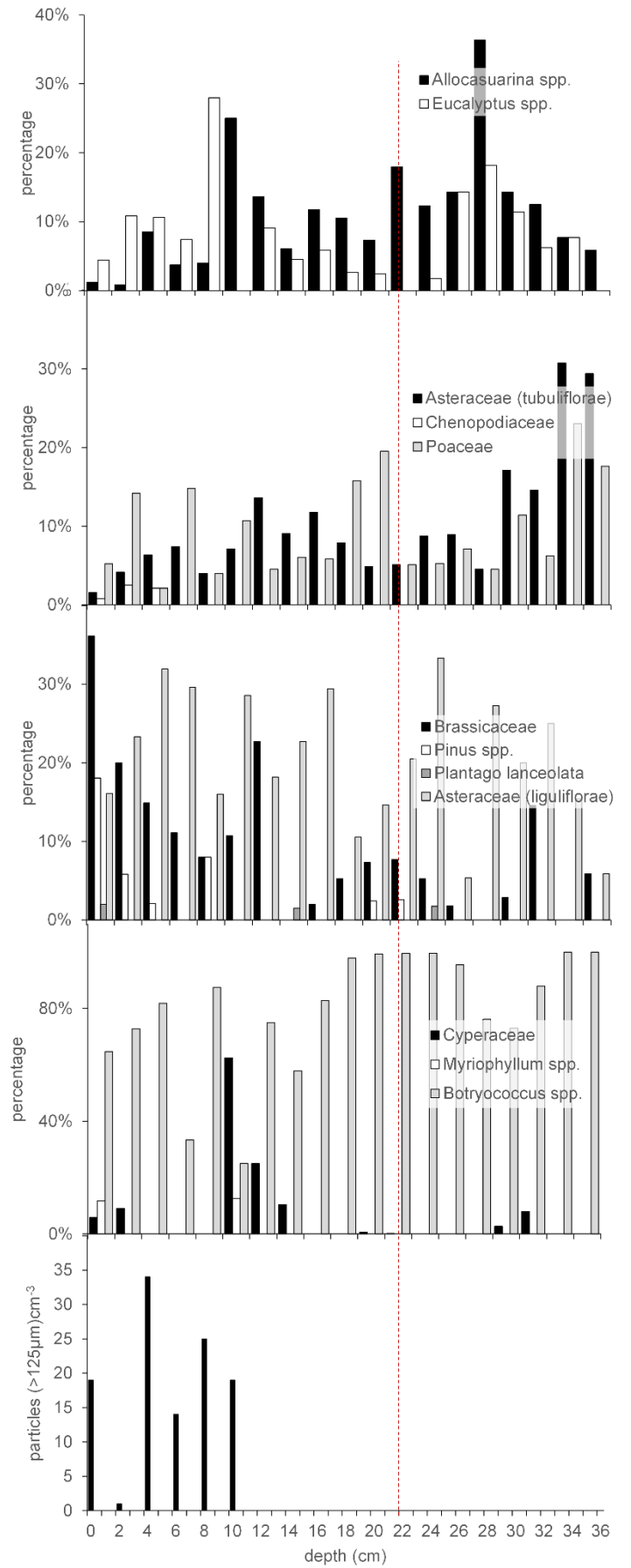


Fig. S2. Summaries of the sediment records from six lagoons not discussed in depth in the paper. In each figure, the panels from top to bottom are: dominant tree taxa, *Allocasuarina* spp. and *Eucalyptus* spp.; native herbaceous taxa, Asteraceae (Tubuliflorae), Chenopodiaceae and Poaceae; exotic taxa, Brassicaceae, *Pinus* spp., *Plantago lanceolata* and Asteraceae (Liguliflorae); and aquatic taxa, Cyperaceae, *Myriophyllum* spp. and *Botryococcus* spp. The bottom panel in each figure is the macro-charcoal record. The red dashed line indicates the first appearance of *Pinus* spp. in the record. *Pinus* spp. was found throughout the entire Cleveland Lagoon record so no red line is included.

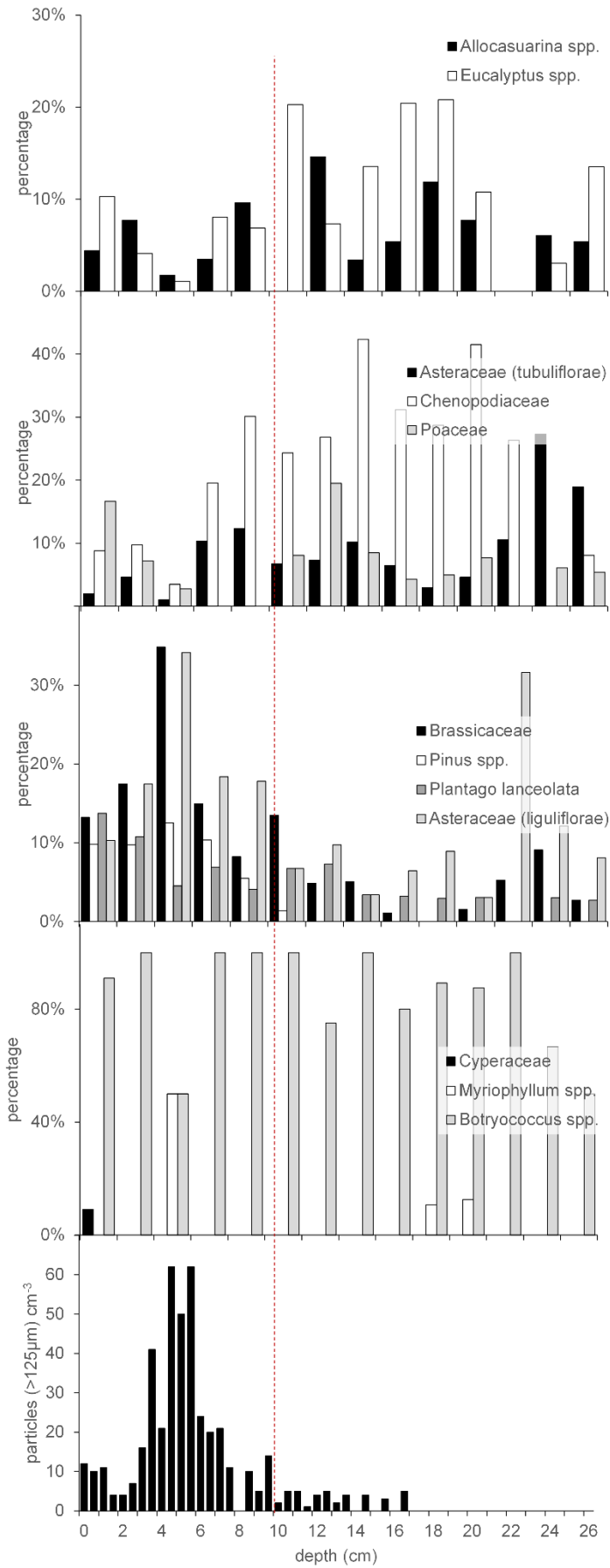
Smiths Lagoon



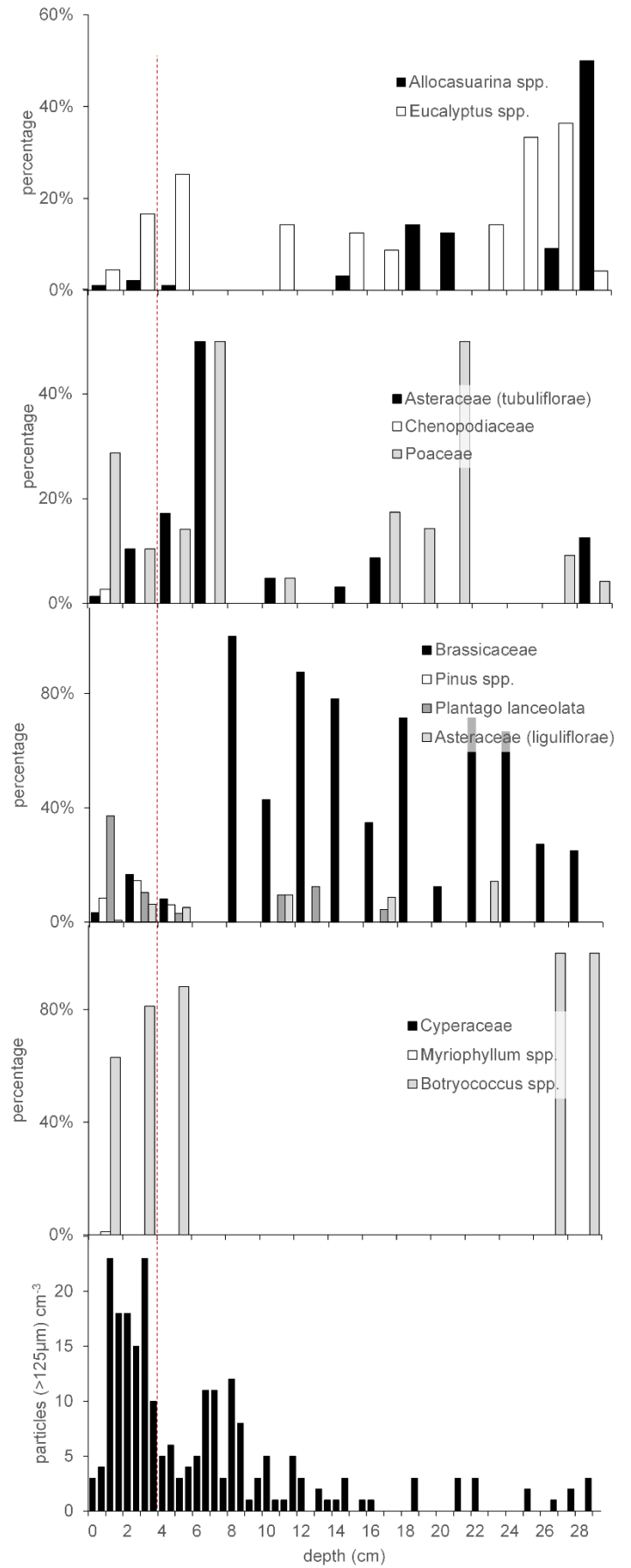
Near Lagoon



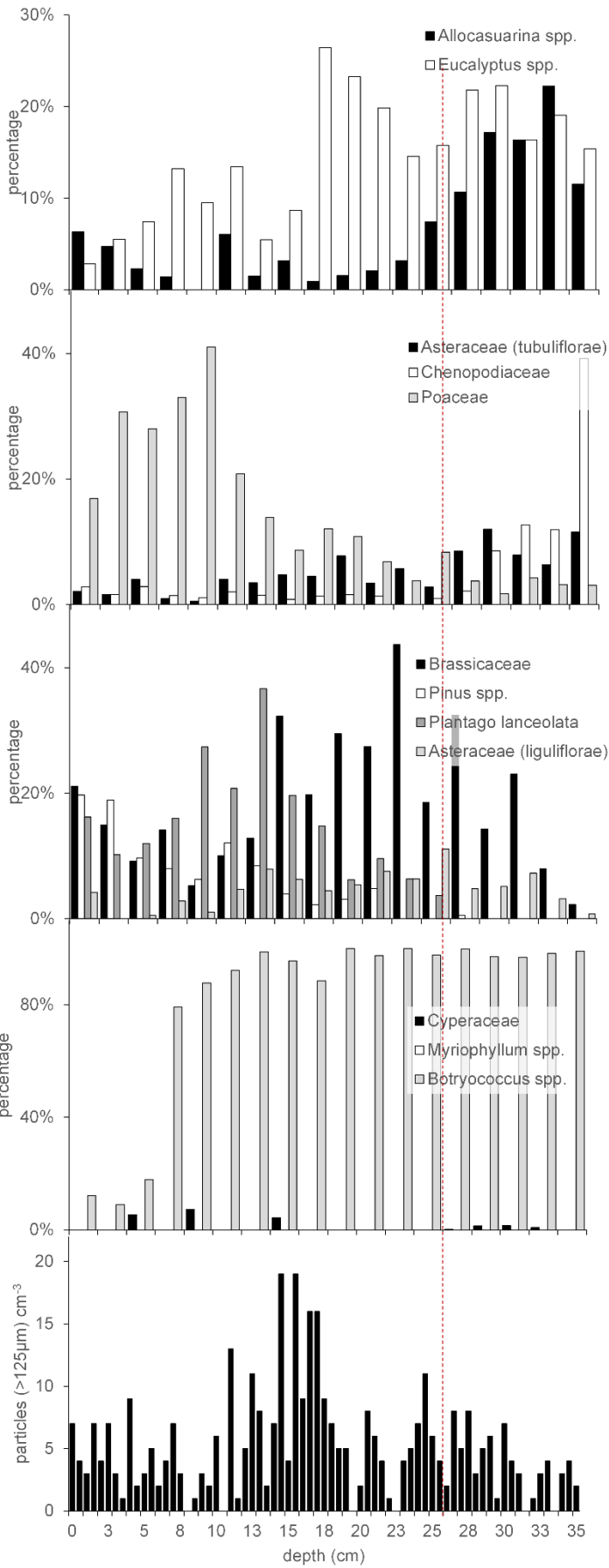
White Lagoon



Bells Lagoon



Township Lagoon



Cleveland lagoon

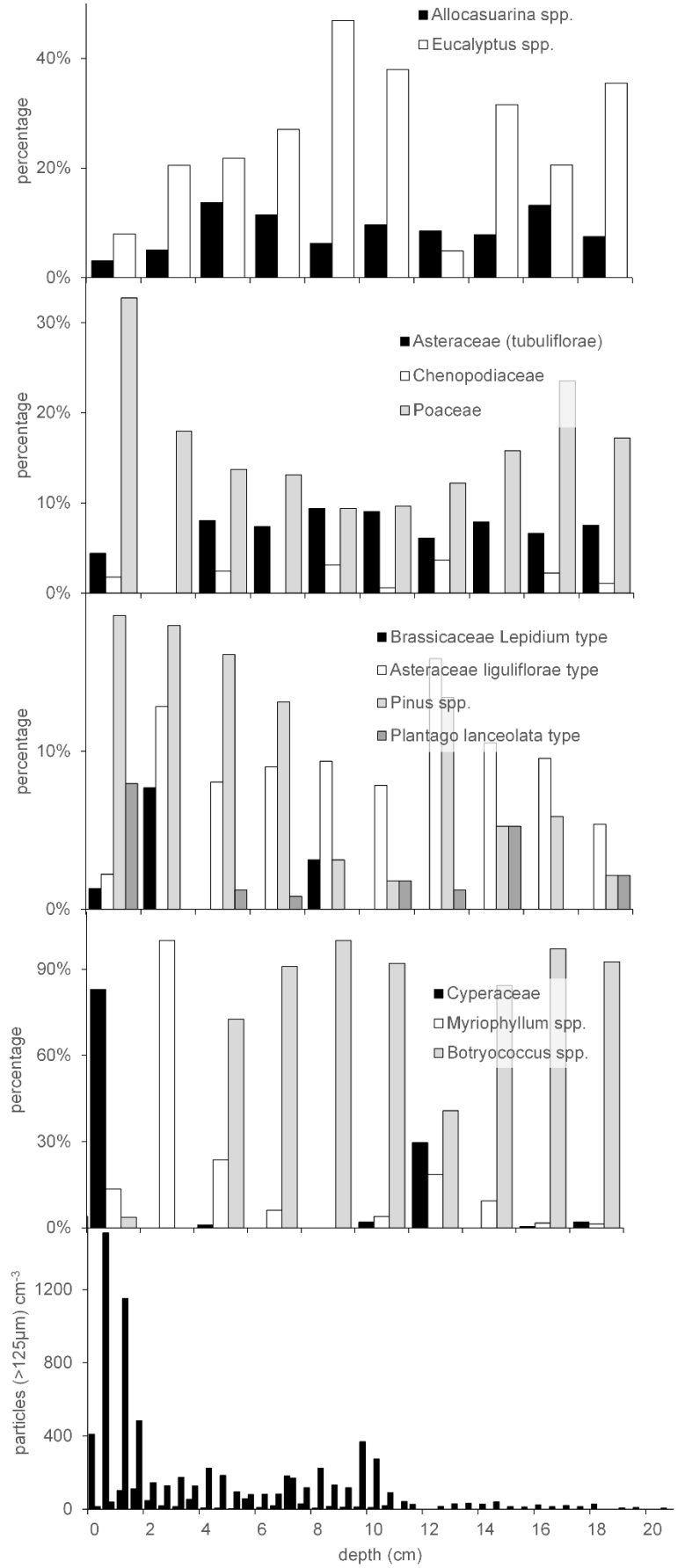


Table S1. Species list

Rainforest taxa

Pomaderris apetala type
Nothofagus cunninghamii
Phyllocladus aspleniifolius
Tasmannia lanceolata
Lagarastrobos franklinii

Dry Forest Taxa

Acacia spp.
Allocasuarina spp.
Amperea xiphoclada
Banksia marginata
*Bauera rubioides**
Boronia spp.
Coprosma
Coprosma spp.
Dodonaea spp.
Ericaceae
Eucalyptus spp.
Exocarpus spp.*
Fabaceae
Gyrostemon thesioides
Leptospermum-Baekkea type*
Melaleuca spp.*
Monotoca spp.
Orites spp.*
Phebalium
Phebalium squameum type
Rumex spp.

Herbs

Apiaceae
Asteraceae tubuliflorae type
Brassicaceae *Cardamine* type
Brassicaceae *Lepidium* type
Caryophyllaceae
Chenopodiaceae
Drosera spp.*
Geraniaceae
Goodenia
Liliaceae
Liliaceae/Iridaceae
Micrantheum spp.
Myoporum spp.*
Plantago spp. (native)

Wetland Taxa

Cyperaceae
Cyperaceae *Baumea* type
Cyperaceae *Schoenus* type
Gonocarpus spp.
Haloragaceae
Myriophyllum spp.
Restionaceae

Pteridophytes

Dicksonia antarctica
Gleichenia spp.
Histiopteris incisa
Isoetes spp.
Lindsaea type
Lycopodium spp.
Monolete psilate spore
Monolete spore
Ophioglossaceae
Phymatodes spp.
Pteridium spp.
Pteris spp.*

Aquatic Taxa

Botryococcus spp.
Typha type
Triglochin type
Pediastrum spp.

Exotic Taxa

Pinus spp.
Ulmus*
Plantago lanceolata type
Asteraceae liguliflorae type
Cupressaceae
Salix
Oleaceae
Rubus*

Alpine/Subalpine Shrubs

*Microstrobos niphopilus**

Poaceae

Portulacaceae*

Ranunculaceae*

Rubus*

Rumex spp.

Scrophulariaceae

Violaceae*

Geraniaceae type

*Species/taxa excluded from analysis as they were present in very small quantities.