

Pollen Analysis Information for Report

Laboratory Methods

See handout provided.

Pollen Counting

Count 150 pollen grains excluding aquatics, spores and *Lycopodium* (exotic). The *Lycopodium* spores were added to allow concentrations to be calculated and should **not** be included in any pollen sum calculations.

Pollen Diagram

The pollen diagram will be prepared using Tilia and TGView.

Grimm, E.C. 1991-93 ***TILIA***. Springfield, Illinois State Museum

Grimm, E.C. 2004 ***TGView (version 2.0.2)***. Springfield, Illinois State Museum, Research and Collections Center.

Pollen sums

Basic pollen sum is TLP (Total Land Pollen) = Trees, Shrubs and Herbs

Other taxa are expressed as a percentage of TLP plus the group involved, e.g.

Aquatics = TLP + Aquatics and Spores = TLP + Spores.

Name conventions

Family names, e.g. Poaceae are **not** italicized.

Genera (plural form of genus) and species names are italicized, e.g. *Plantago* (genus) *lanceolata* (species)

Report

Your report should include an introduction, methods (this should include sampling, the laboratory preparation procedure, pollen counting (pollen sum used etc.) and zonation of pollen diagram), results and interpretation.

Use the radiocarbon dates from the pollen diagram from the beach as a guide to the time period you are dealing with.

References

See list provided. To check ecology of species use web sites on the internet.