

Resource Potentials
Mineral Exploration Technologies

Contact info

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SUMMARY

GEOLOGY OF THE ORA BANDA IMPACT STRUCTURE

MESOZOIC AND CAINOZOIC IMPACTS INTO ARCHAEOAN GREENSTONE BELTS



RADIOMETRICS AND GOOGLE EARTH SATELLITE

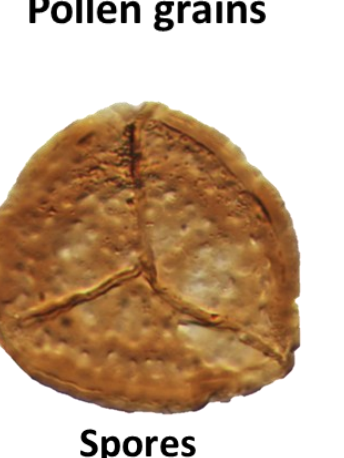
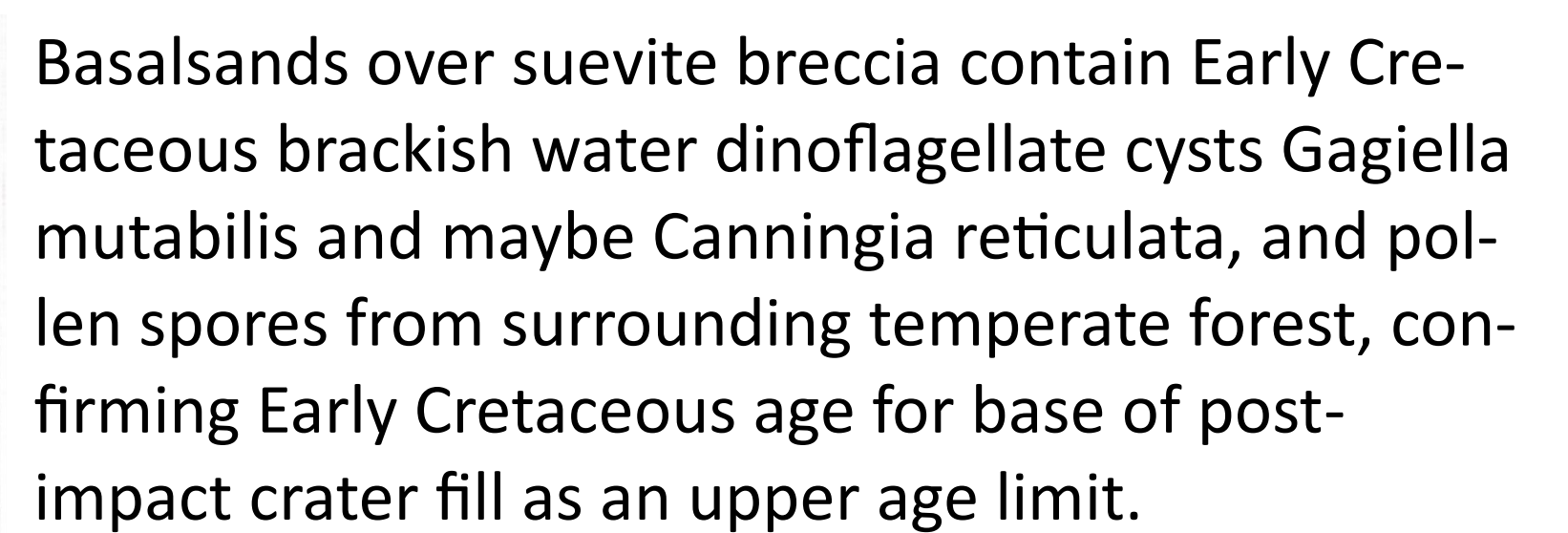


MODEL CROSS-SECTION OF A COMPLEX CRATER AND PASSIVE SEISMIC HVSR CROSS SECTIONS

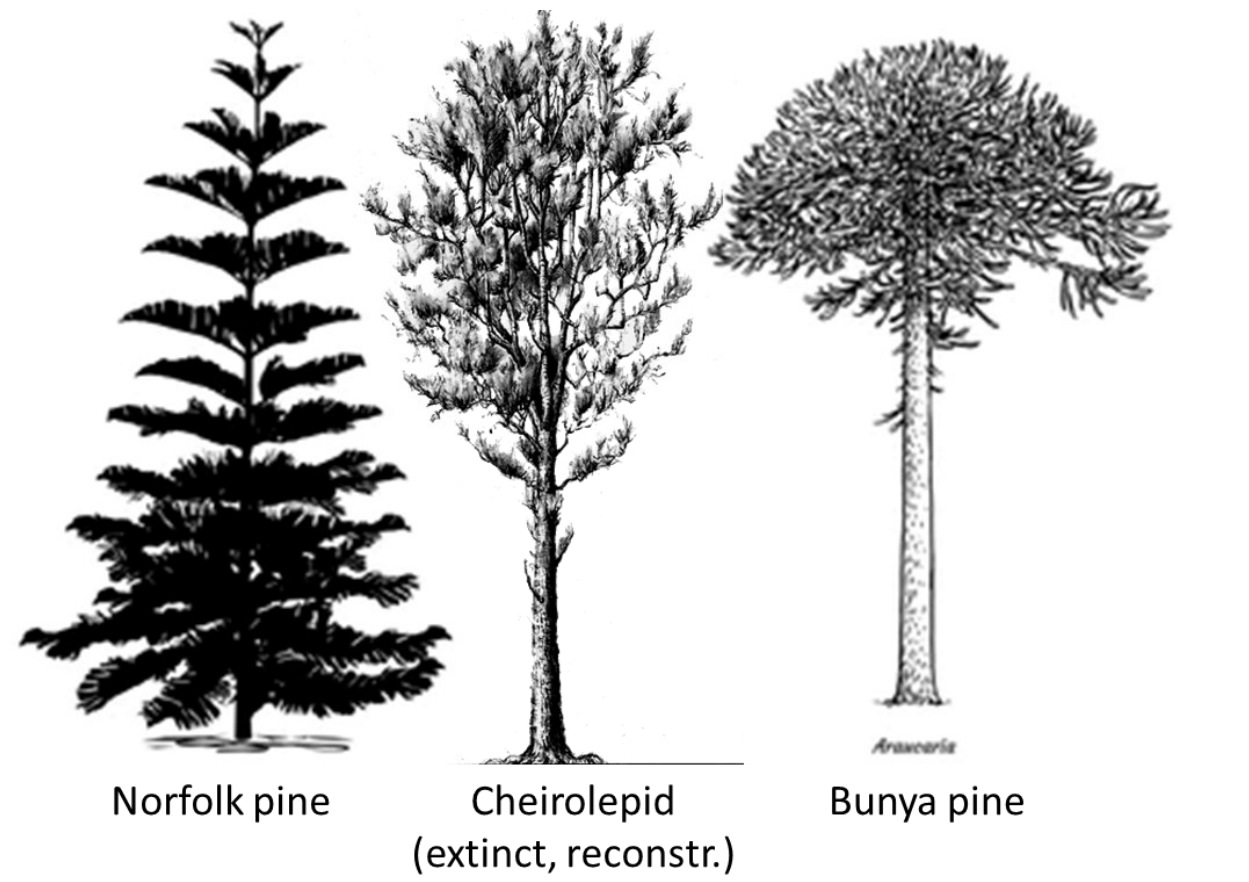
Model cross-section of a complex crater reproduced from Kenkmann et al. (2014), showing the present erosion level for the Ora Banda crater.



HAUTERIVIAN PALEOGEOGRAPHY – RELATIVELY HIGH SEA LEVEL AND POST-IMPACT VEGETATION



Macrozamia diaphana



EVIDENCE - SHATTER CONES, SUEVITE BRECCIA, SHOCKED QUARTZ, PSEUDOTACHYLITE AND ELEVATED Ir, Pt, Pd and Ni IN GLASS DROPLETS



References

Kenkmann, T., Poelchau, M., and Wulf, G., 2014, Structural geology of impact craters: *Journal of Structural Geology*, 62, 156-182.

Meyers, J., Worrall, L., Lane, R. and Bell, B., 2001, Exploring through cover - the integrated interpretation of high resolution aeromagnetic, airborne electromagnetic and ground gravity data from the Grant's Patch area, Eastern Goldfields Province, Archaean Yilgarn Craton Part C: Combining geophysical methods for a holistic exploration model: *Exploration Geophysics*, 32, 198-202.

Nguyen, S.T., 2021, Palynofloral data from a Lower Cretaceous post-impact succession in Ora Banda, Western Australia. M.Sc. Thesis, University of Western Australia, 45pp.