

An Empirically-based Sediment Budget for the Normanby Basin

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Appendix 15: Geochronology Site Details



CARING FOR
OUR COUNTRY

Appendix to the Final Report prepared
for the Australian Government's Caring
for our Country - Reef Rescue initiative

IMPORTANT

This document is current at the date noted.
Due to the nature of collaborative academic
publishing, this content is subject to change
and revision. Please see the Cape York Water
Quality website for more info:

<http://www.capeyorkwaterquality.info>

This Version: 3/03/2013



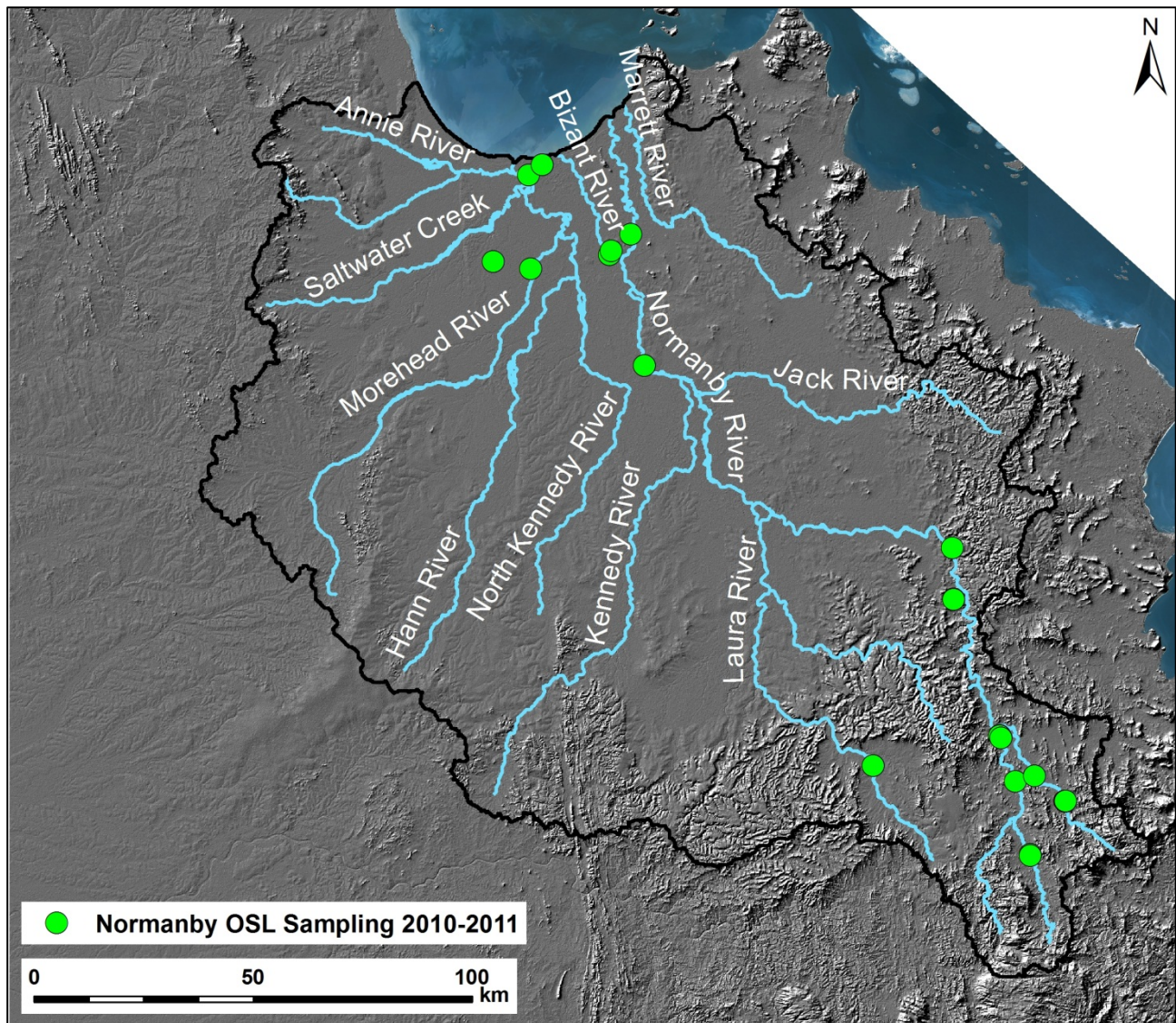
Appendix 15 : Geochronology Site Details

Site Stratigraphic Columns and associated age determinations

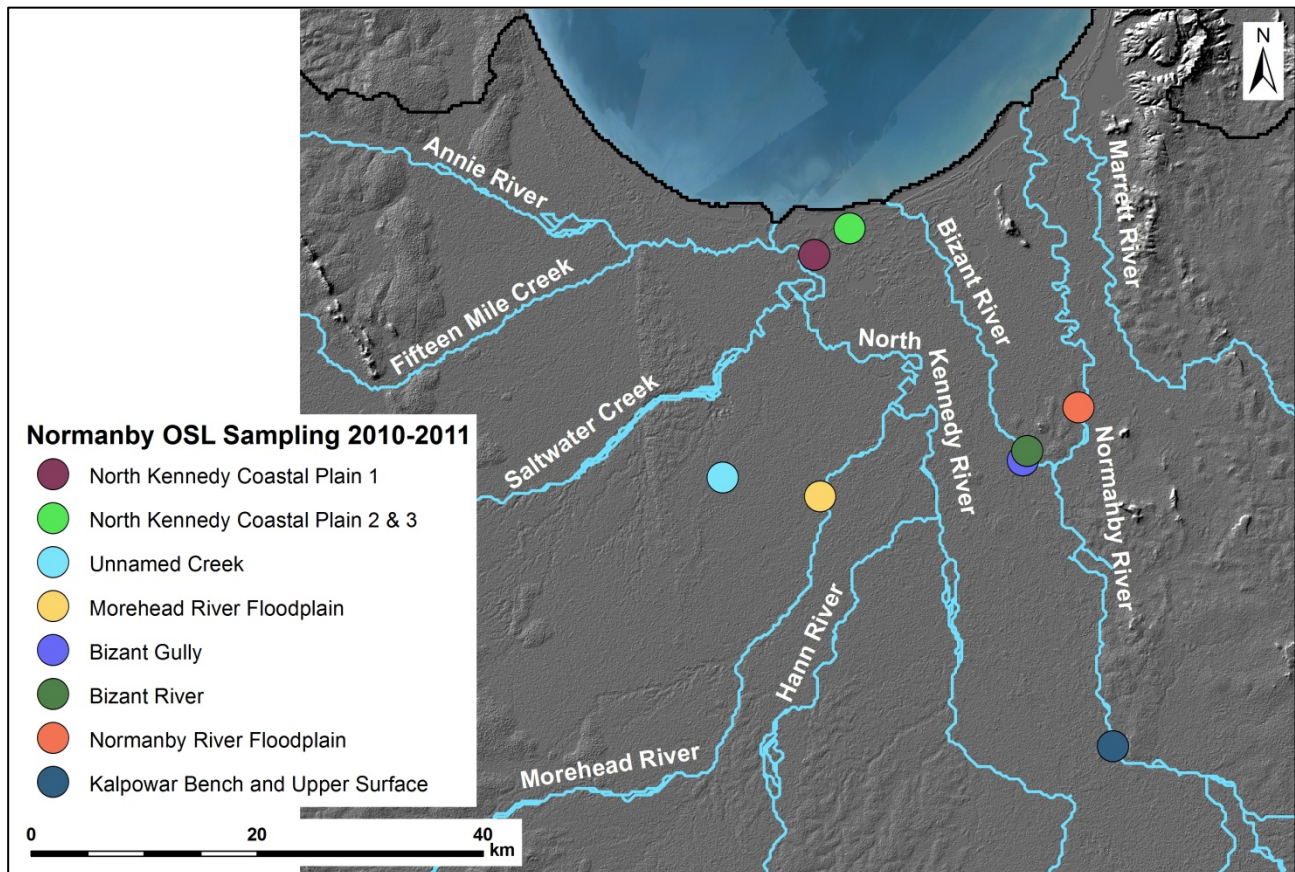
Prepared by: Tim Pietsch

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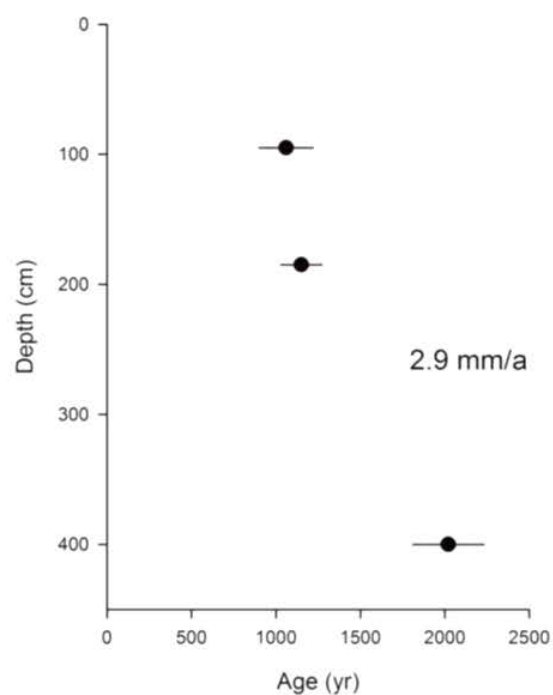
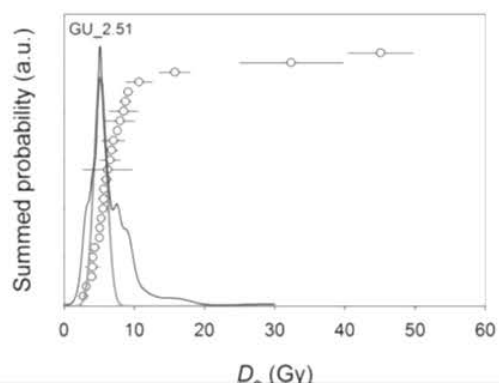
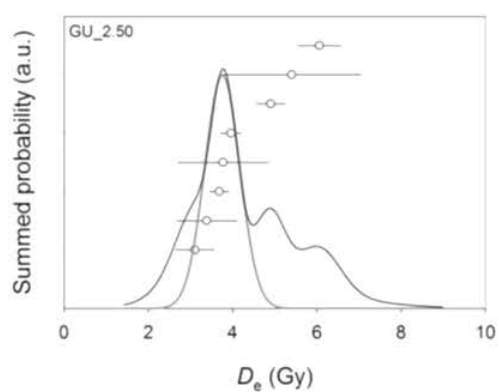
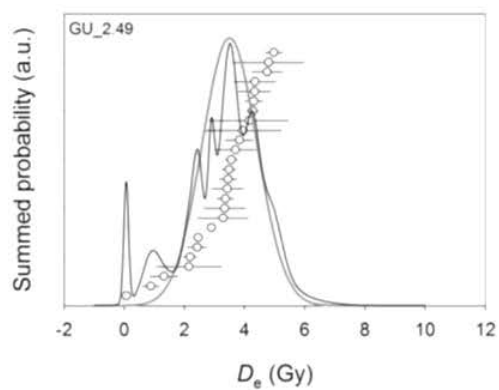
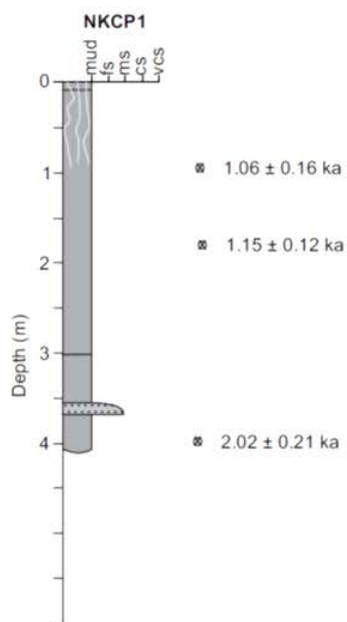
Overview: OSL sampling sites



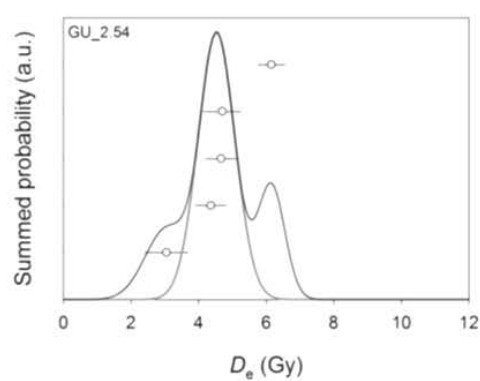
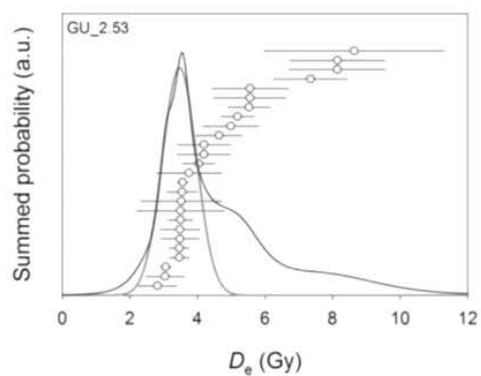
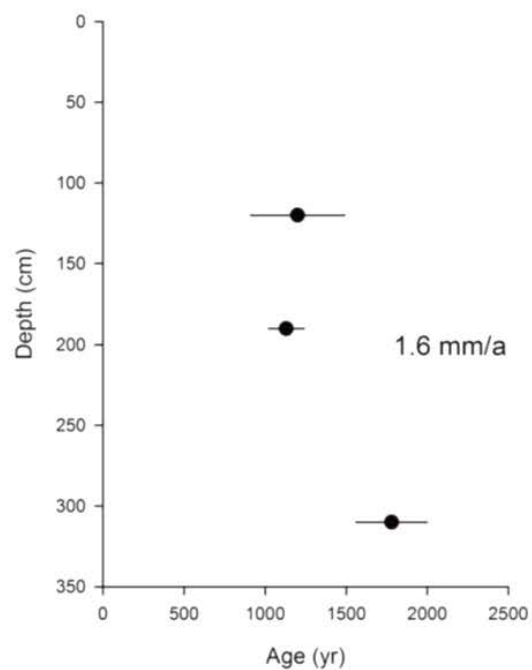
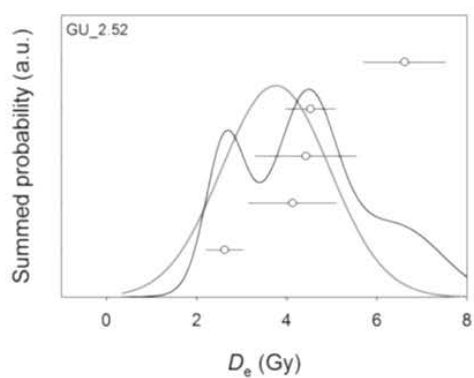
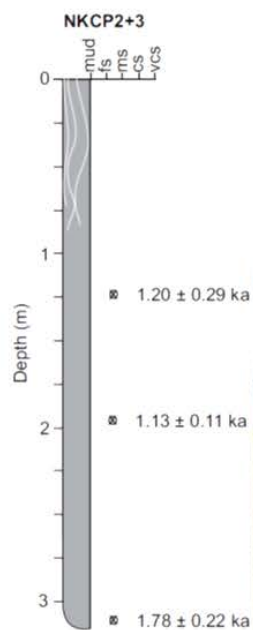
Detail: OSL sampling sites – Lower Catchment



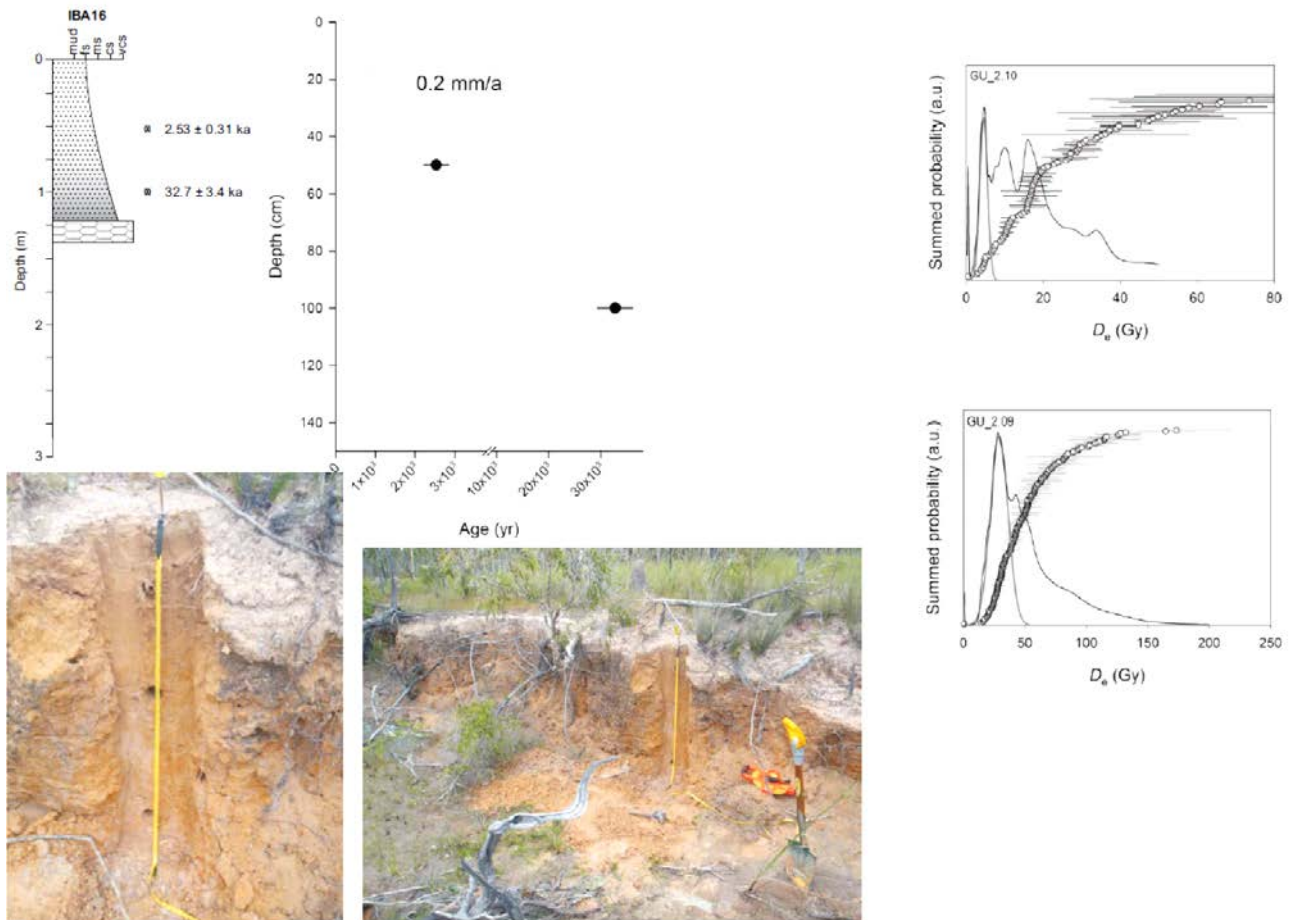
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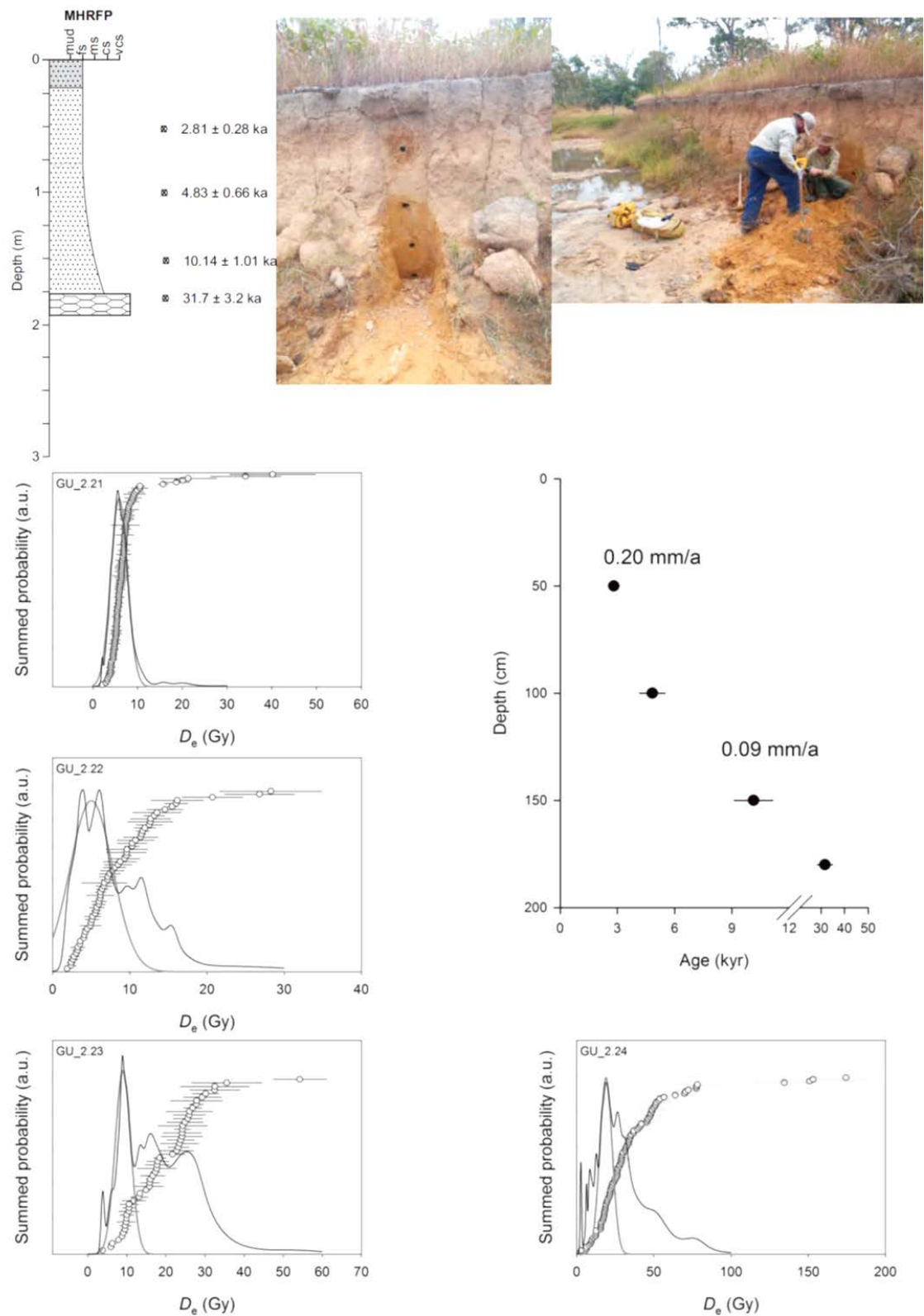
2. North Kennedy Coastal Plain 2 and 3



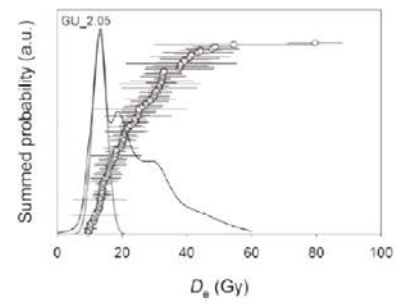
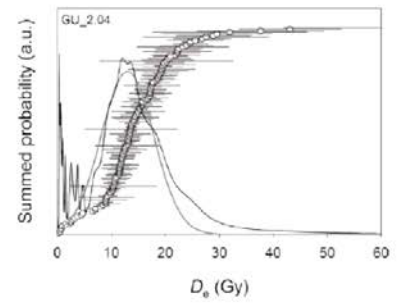
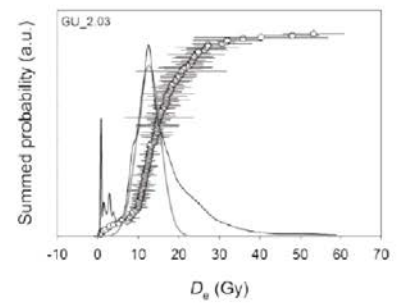
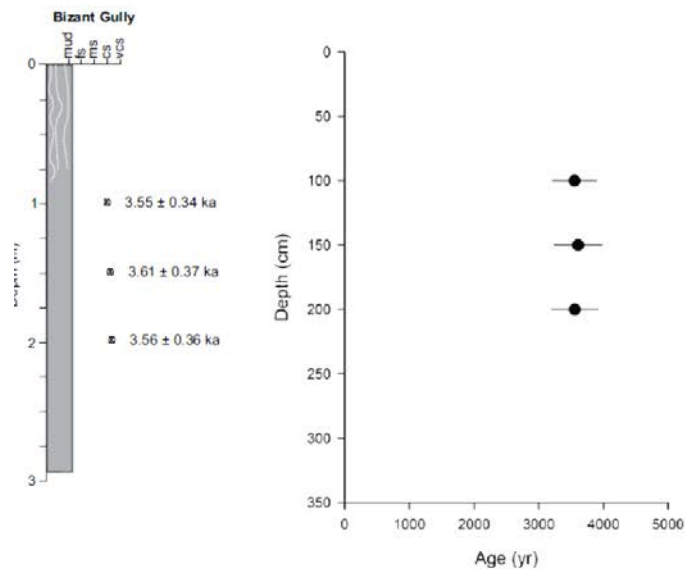
3. Unnamed Creek (IBA 16)



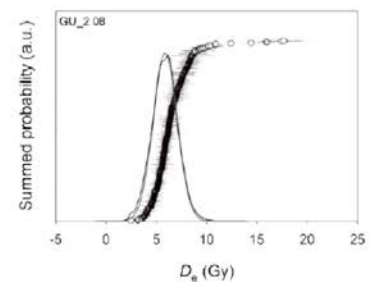
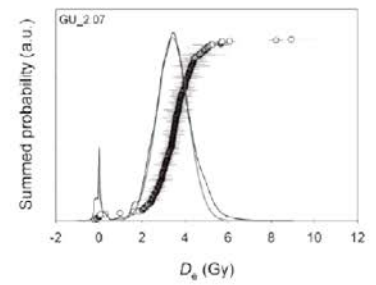
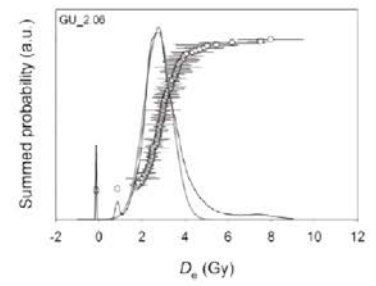
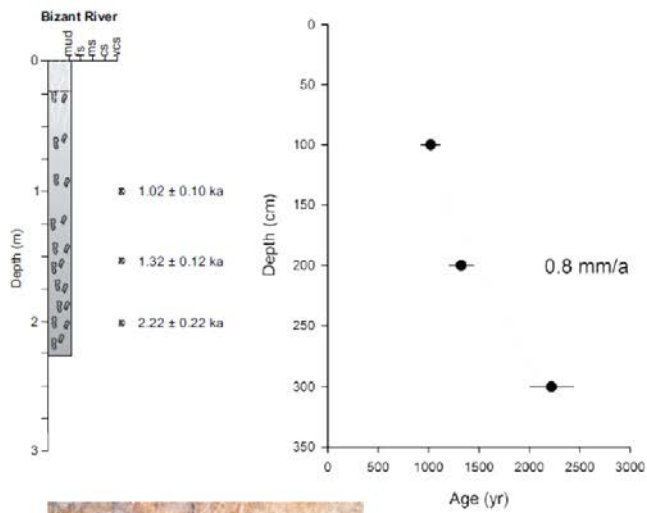
4. Morehead River Floodplain



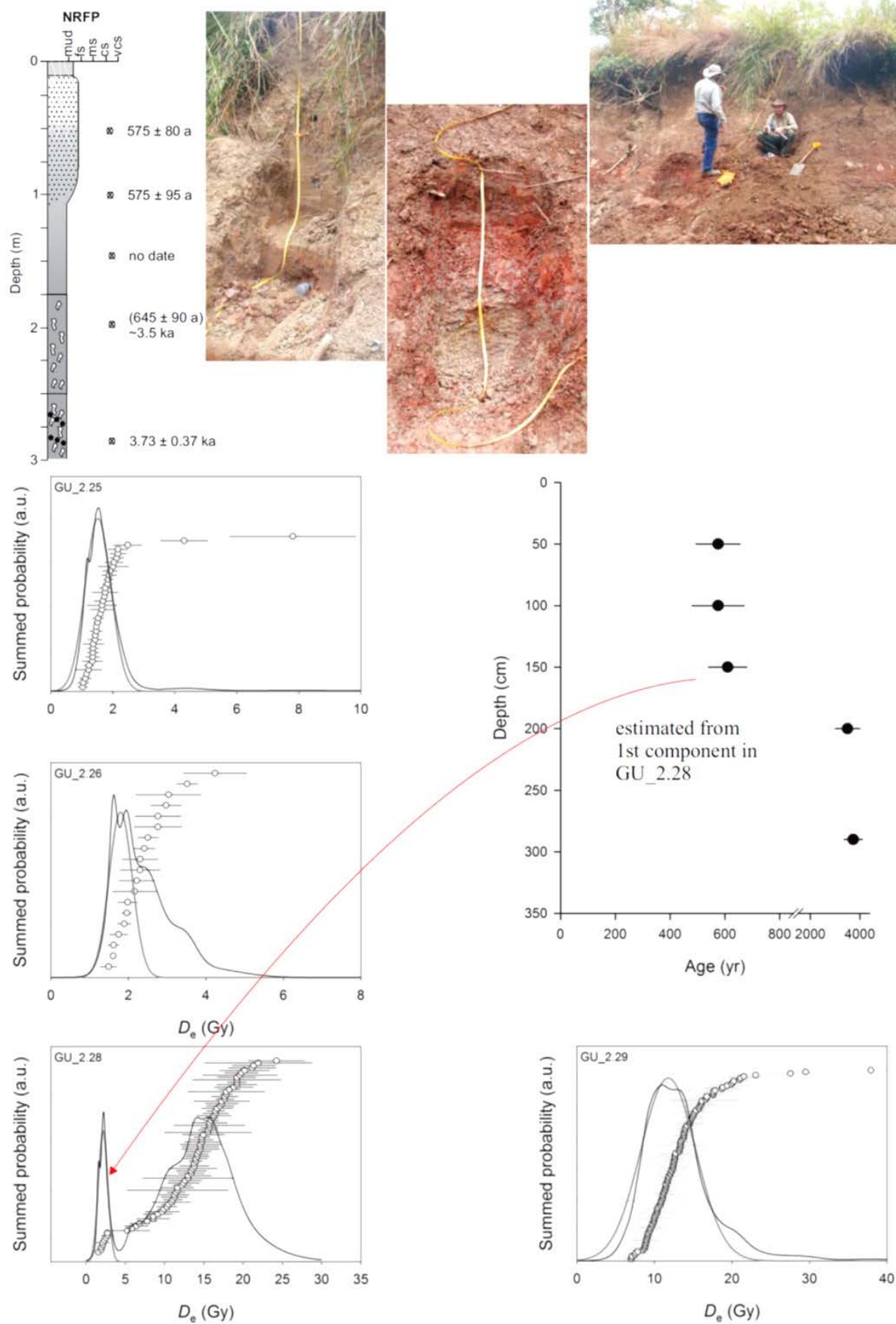
5. Bizant Gully



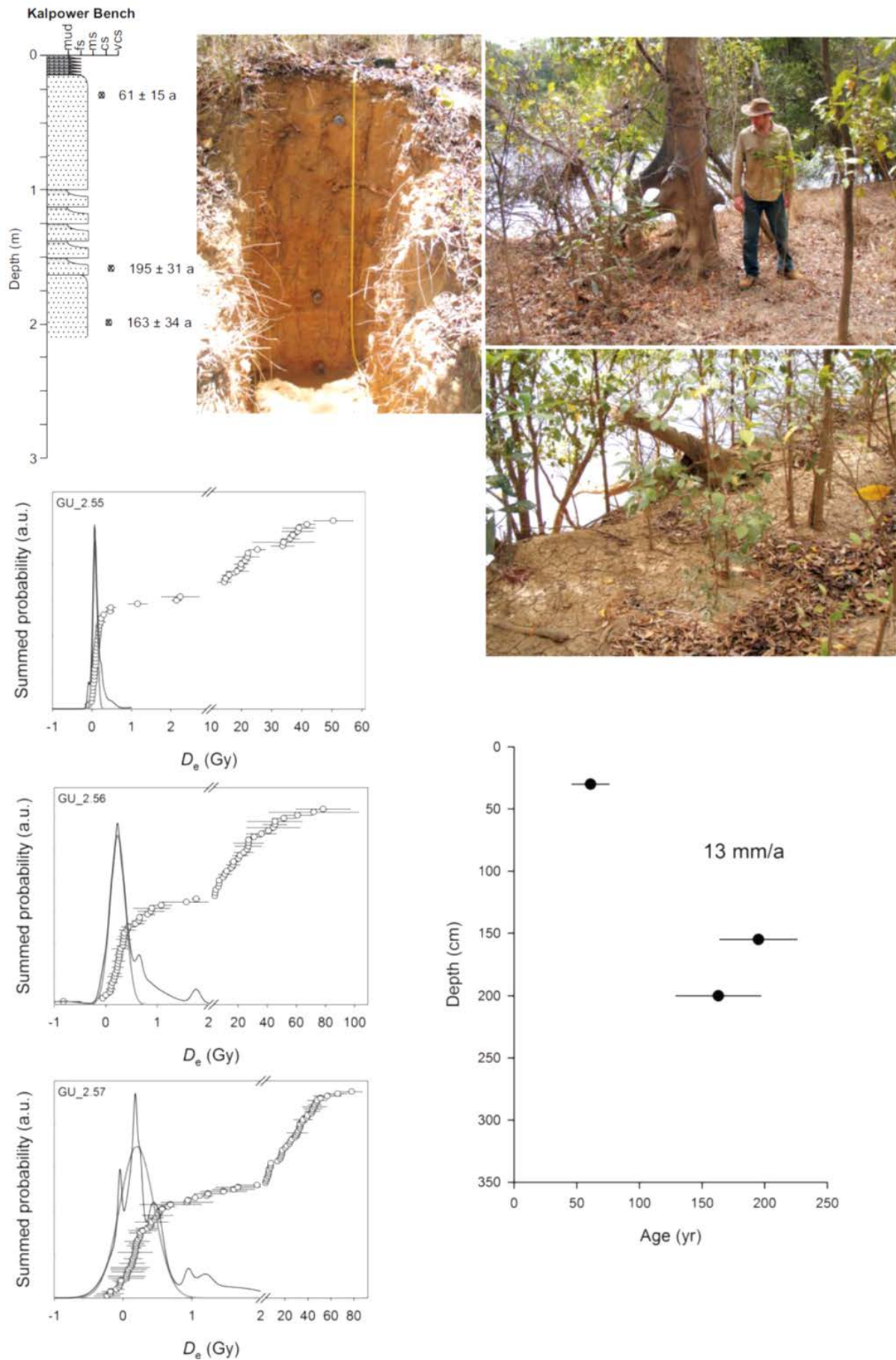
6. Bizant River



7. Normanby River Floodplain

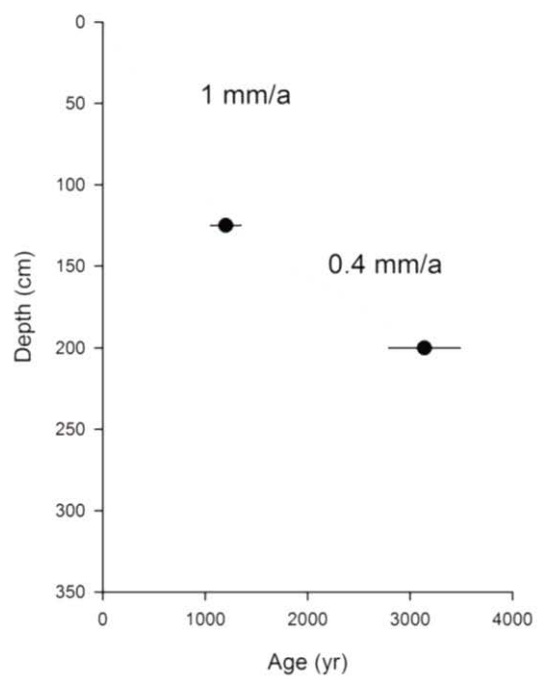
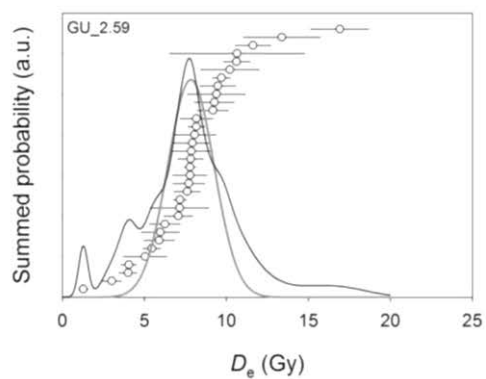
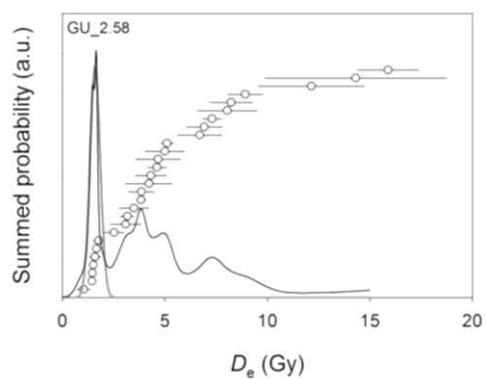
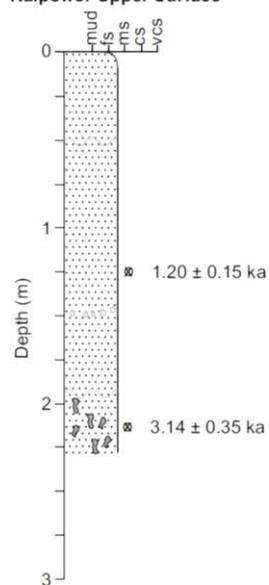


8. Kalpower Bench

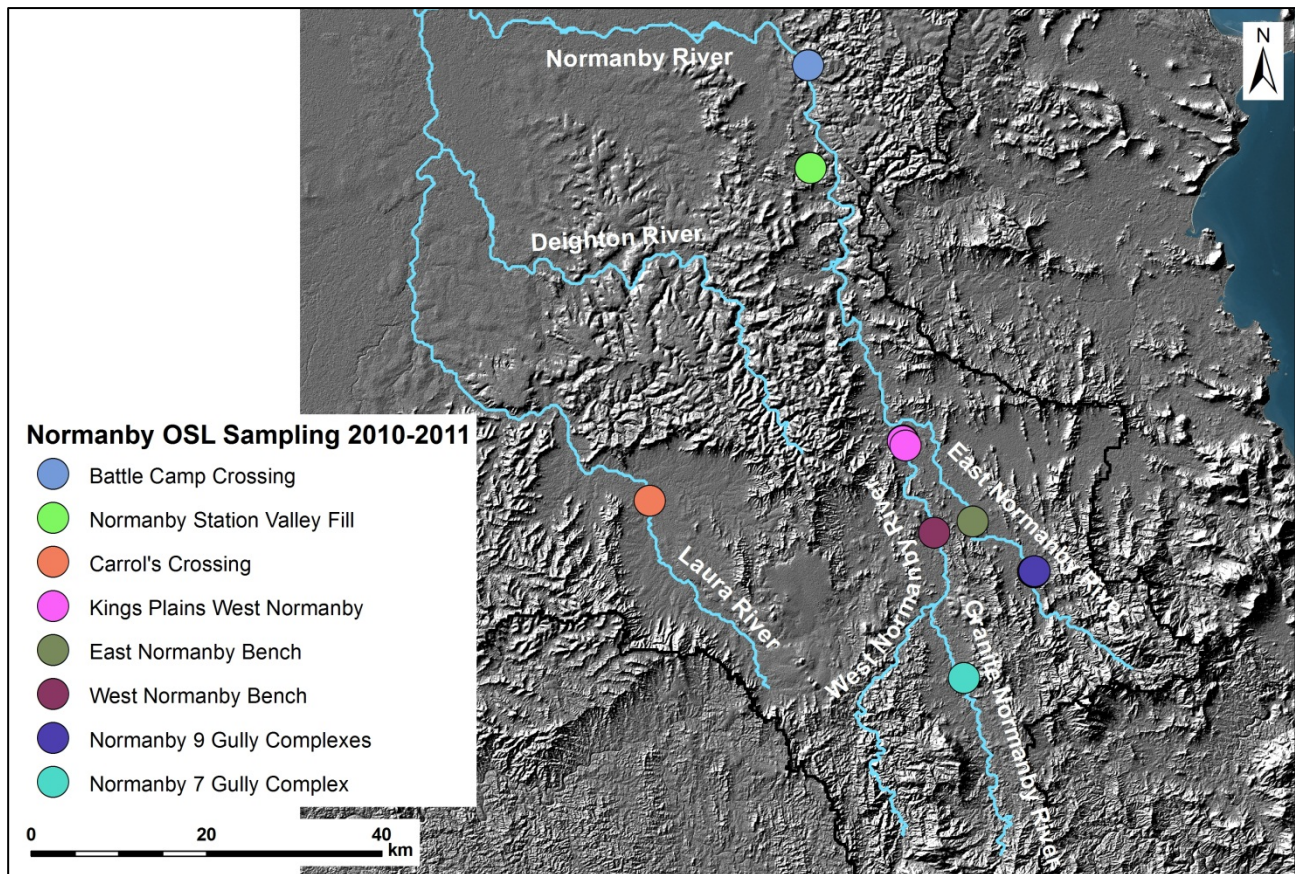


9. Kalpower Upper Surface

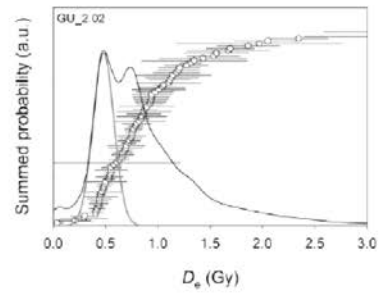
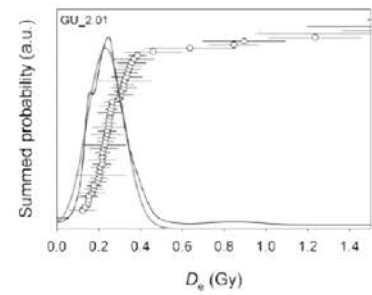
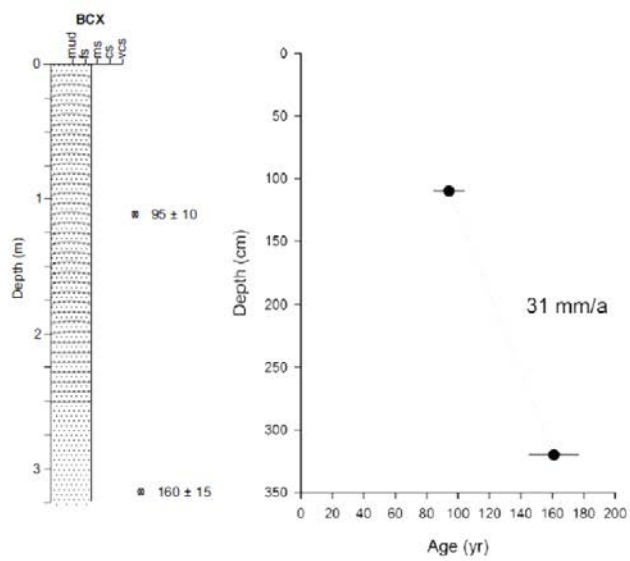
Kalpower Upper Surface



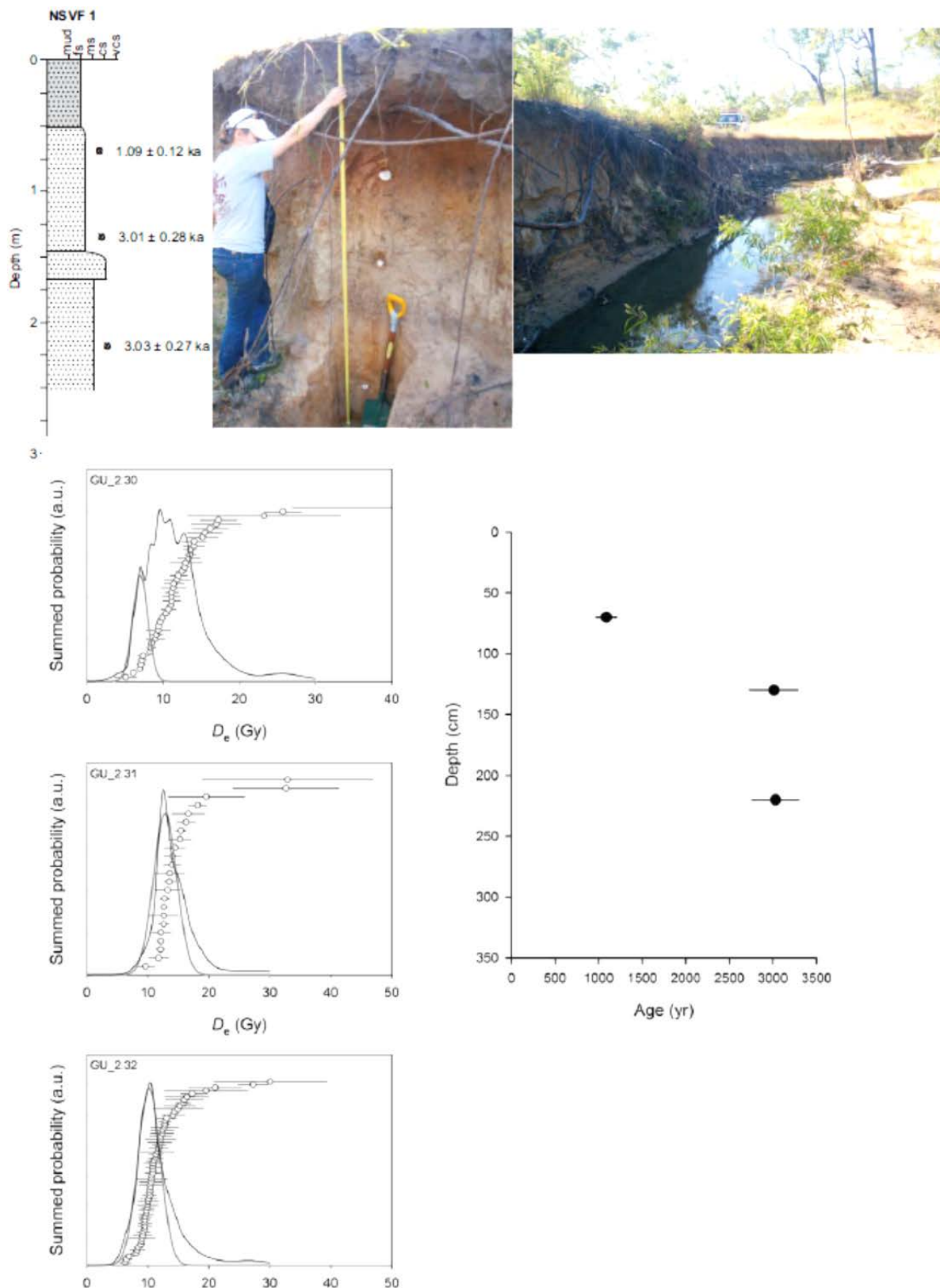
Detail: OSL sampling sites – Upper Catchment



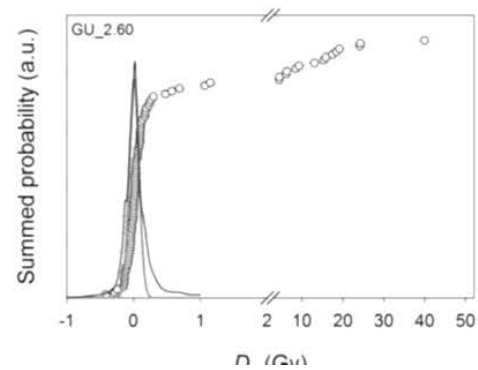
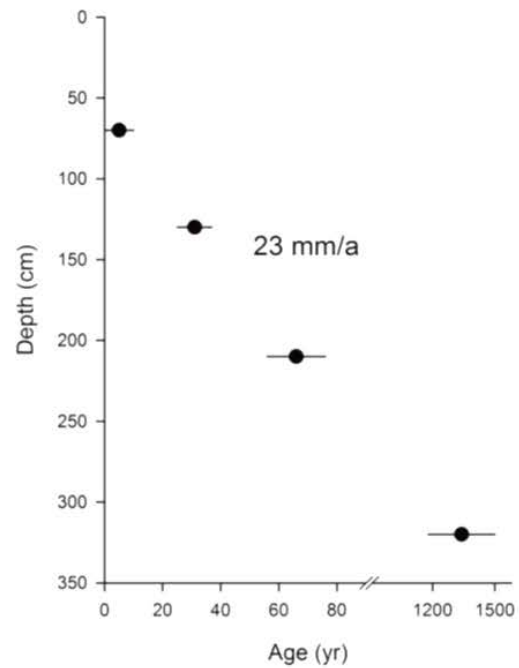
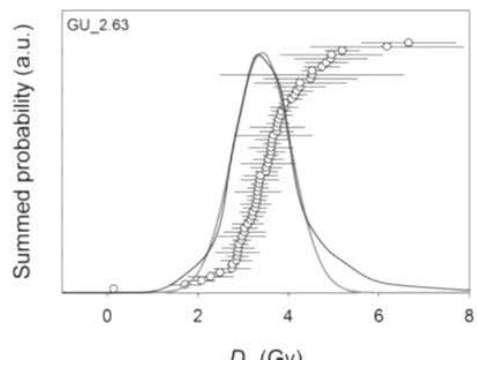
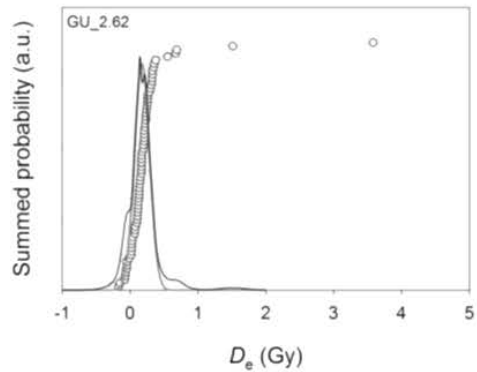
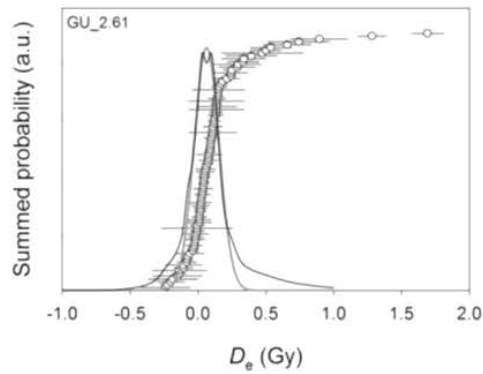
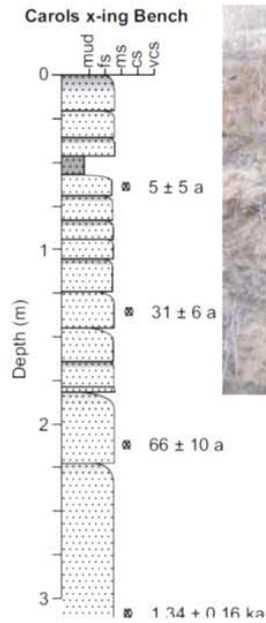
10. Battle Camp Crossing



11. Normanby Station Valley Fill 1

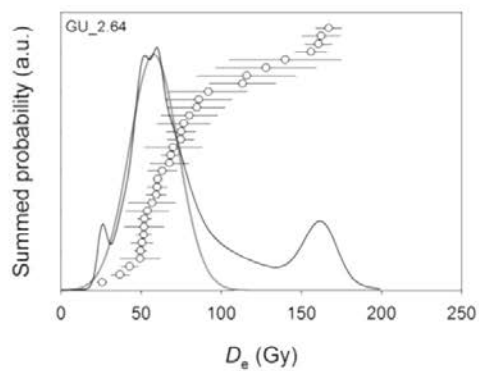
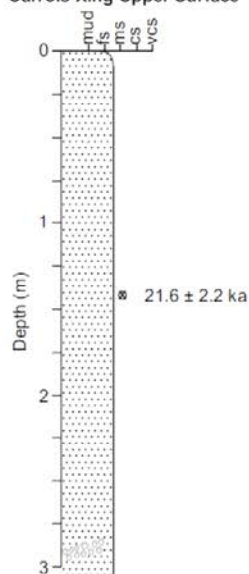


12. Carrolls Crossing Bench

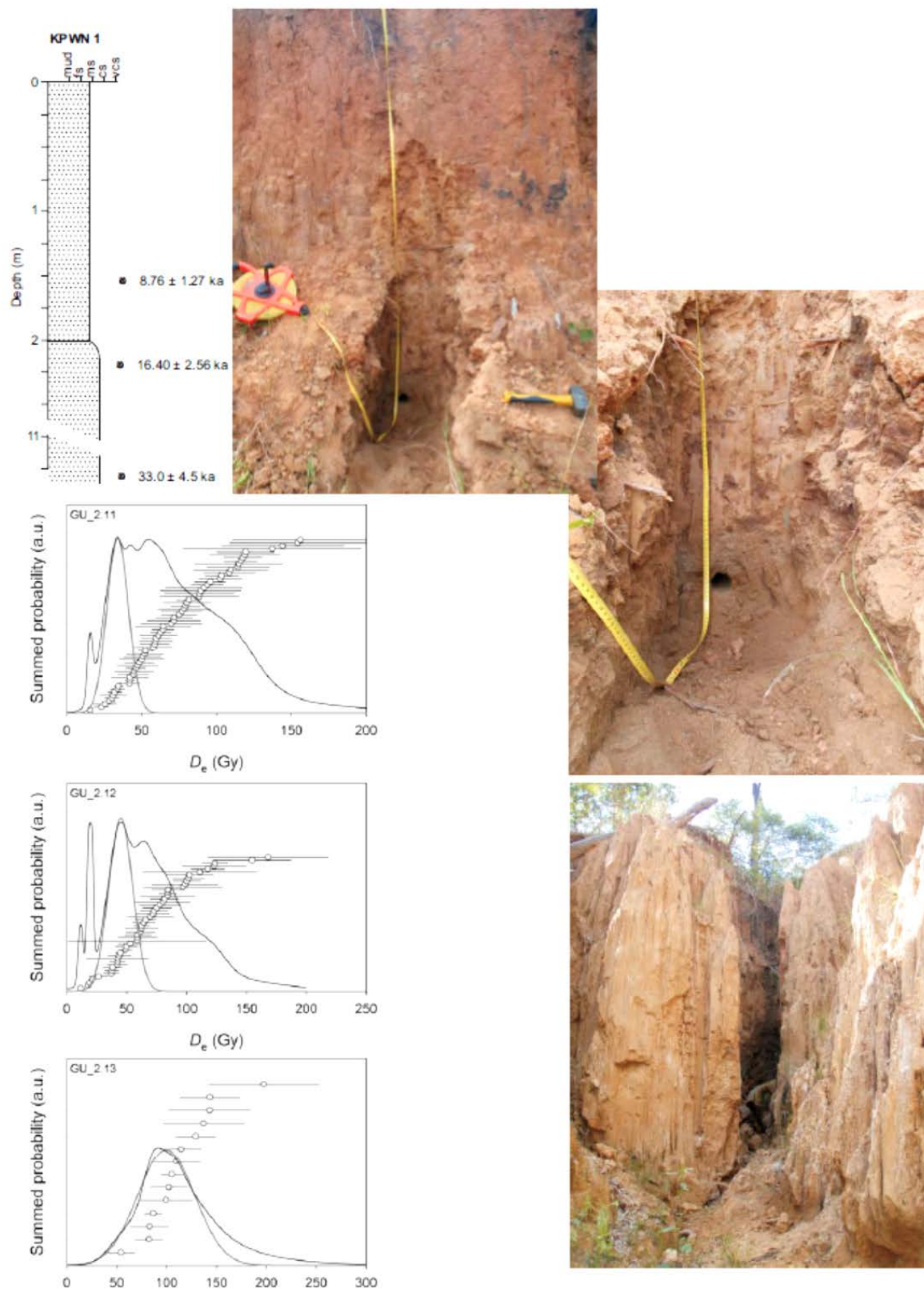


13. Carrols Crossing Upper Surface

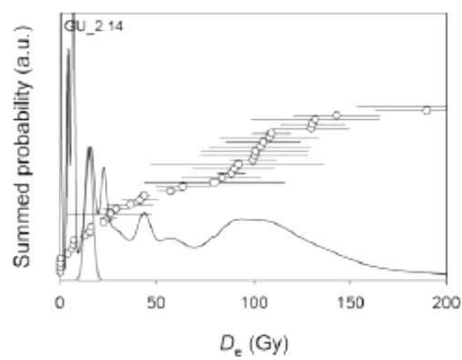
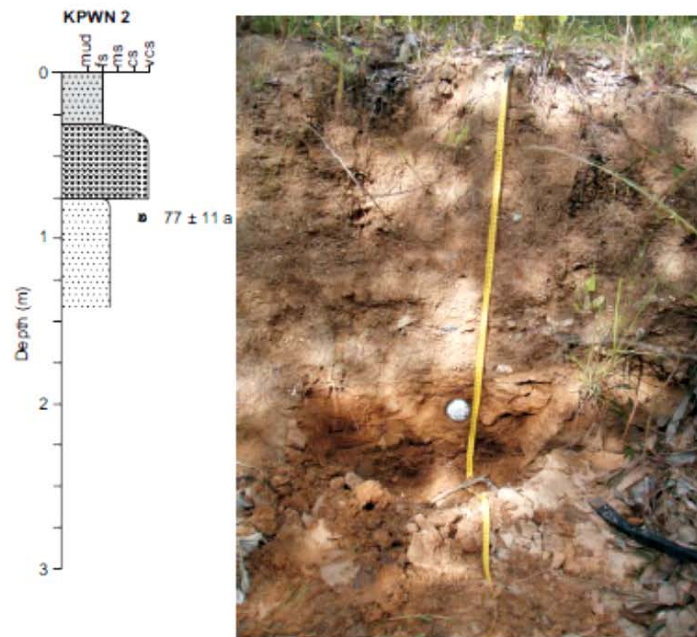
Carrols Xing Upper Surface



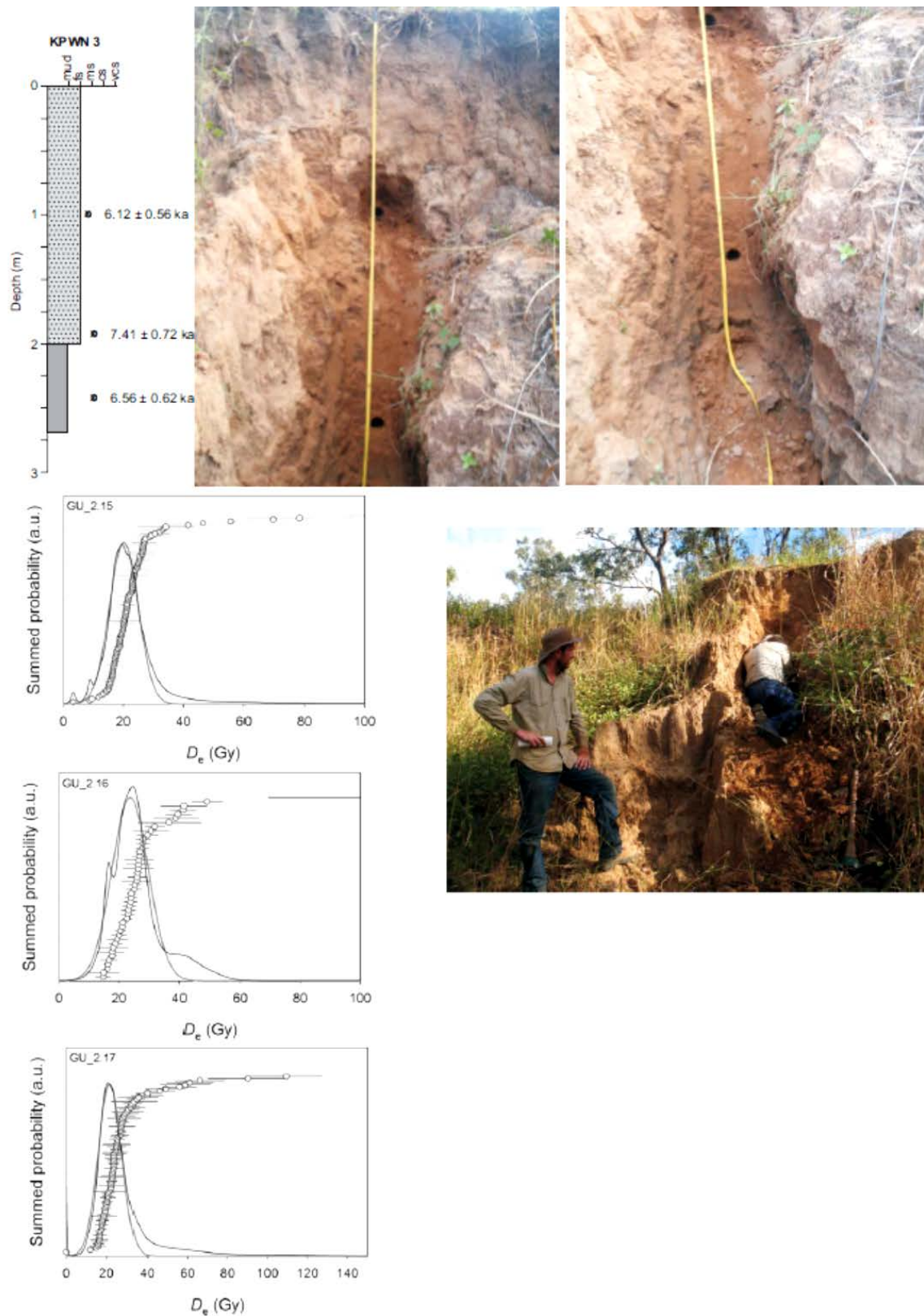
14. Kings Plains West Normanby 1



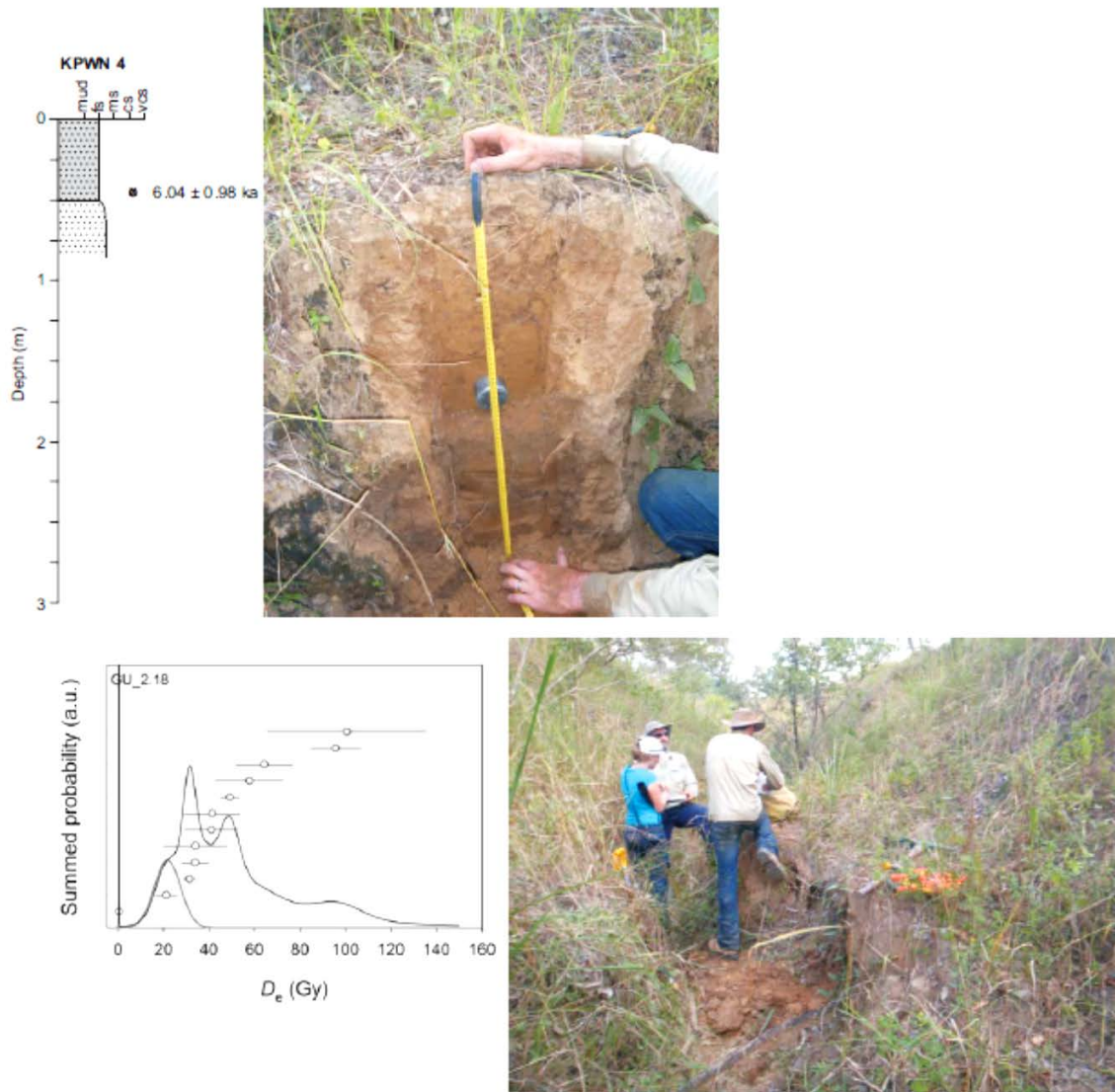
15. Kings Plains West Normanby 2



16. Kings Plains West Normanby 3

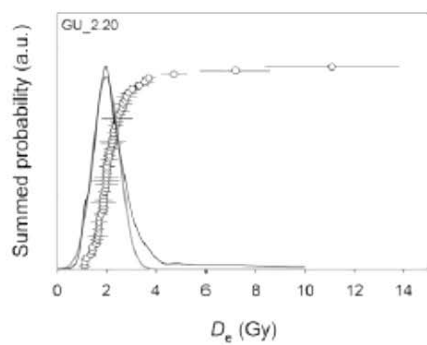
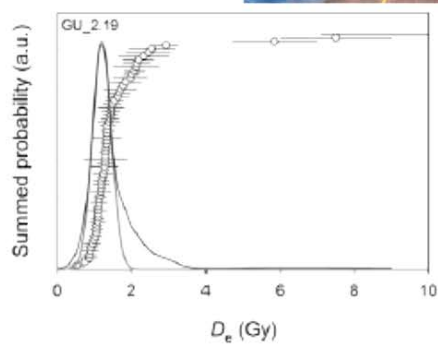
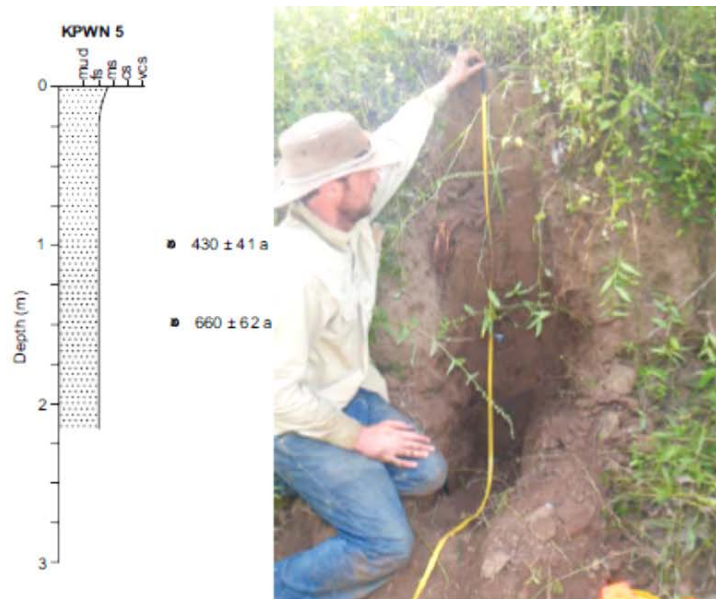


17. Kings Plains West Normanby 4

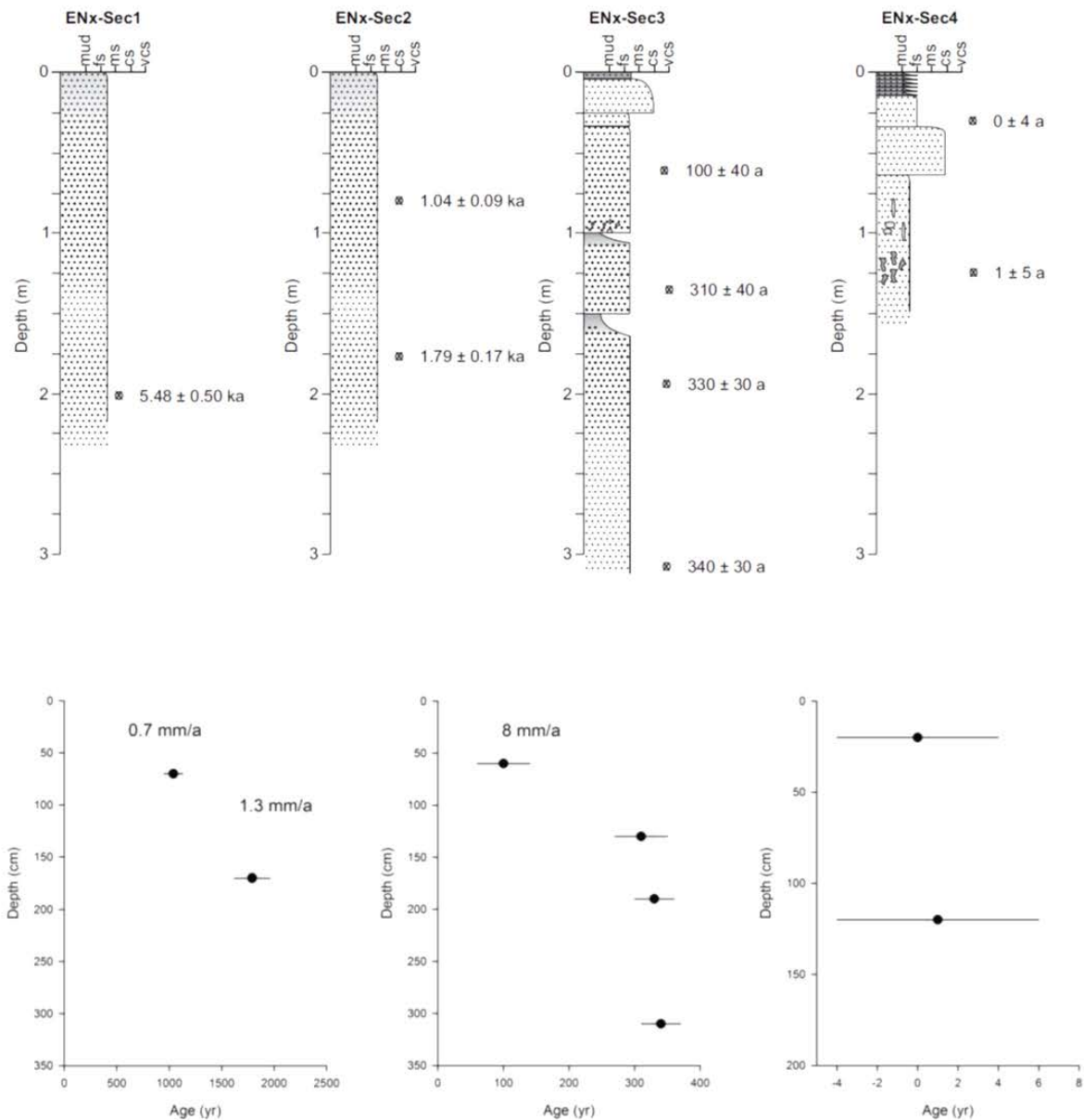


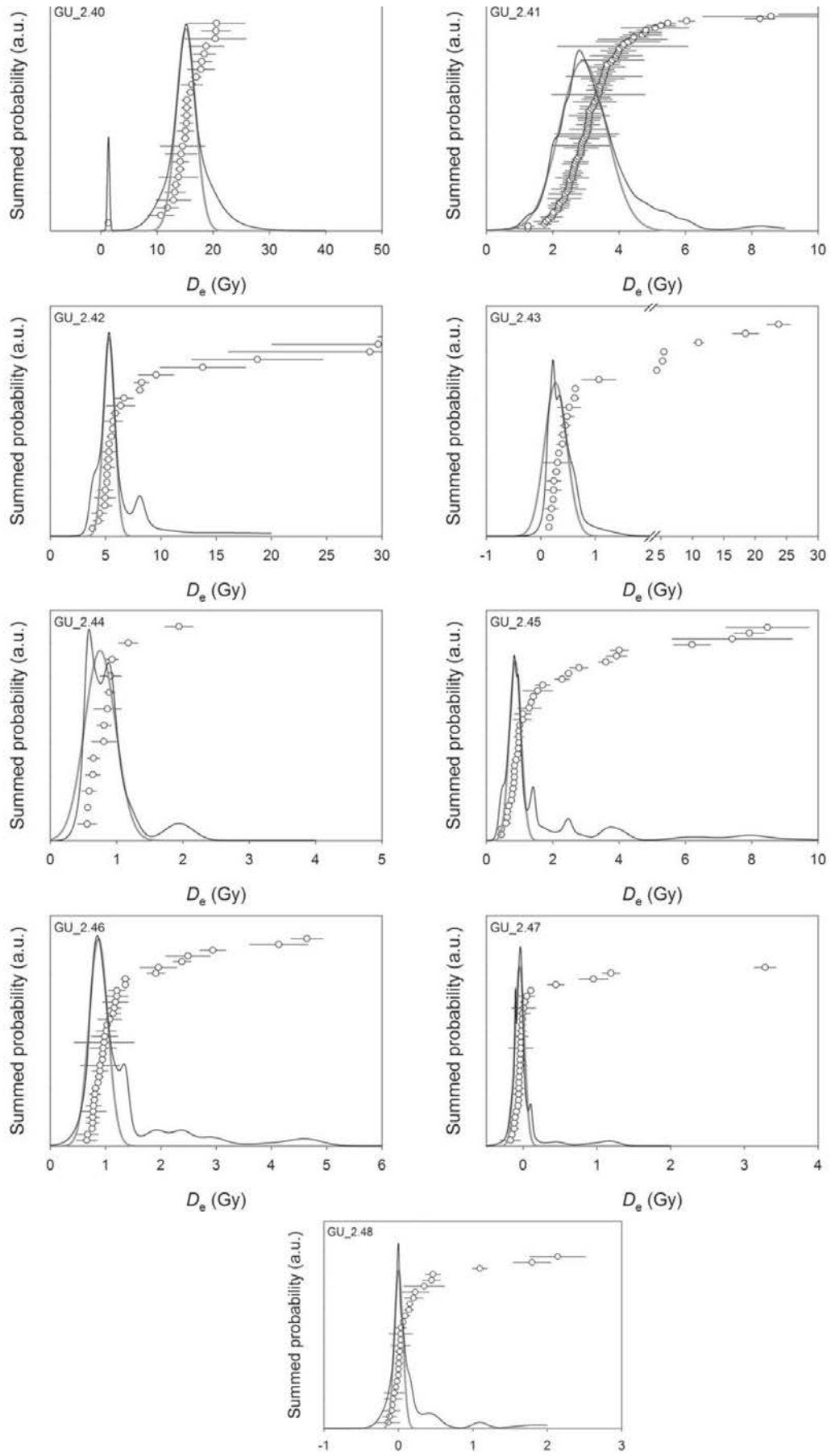
Note: no further evidence was found for a low dose component during an additional analysis run calibrated for very low doses. In fact, this run only produced data suggesting a burial dose of ~20 Gy. This data is not shown as the values are approximate, given the run was designed for very low doses.

18. Kings Plains West Normanby 5

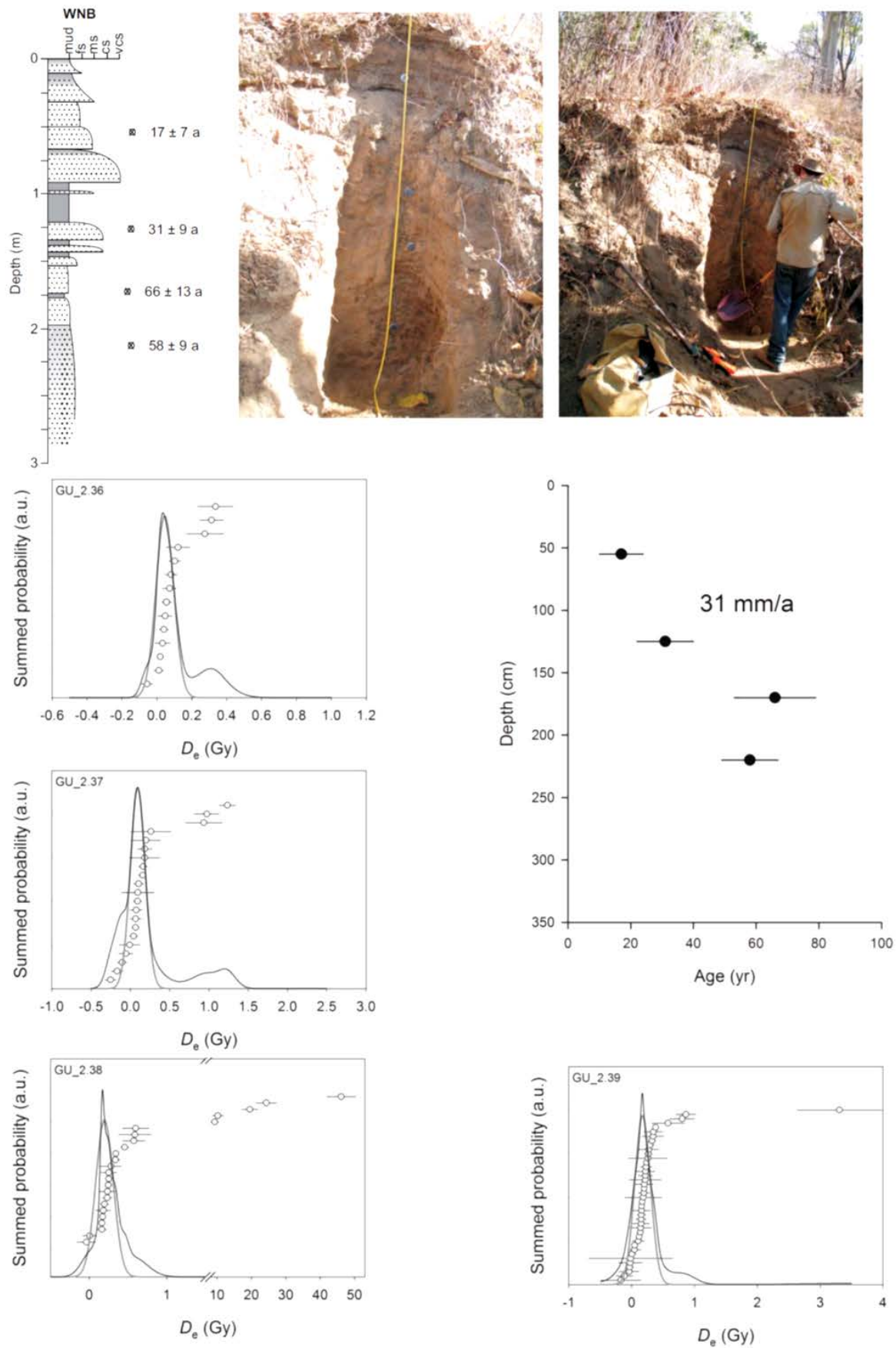


19. East Normanby Bench

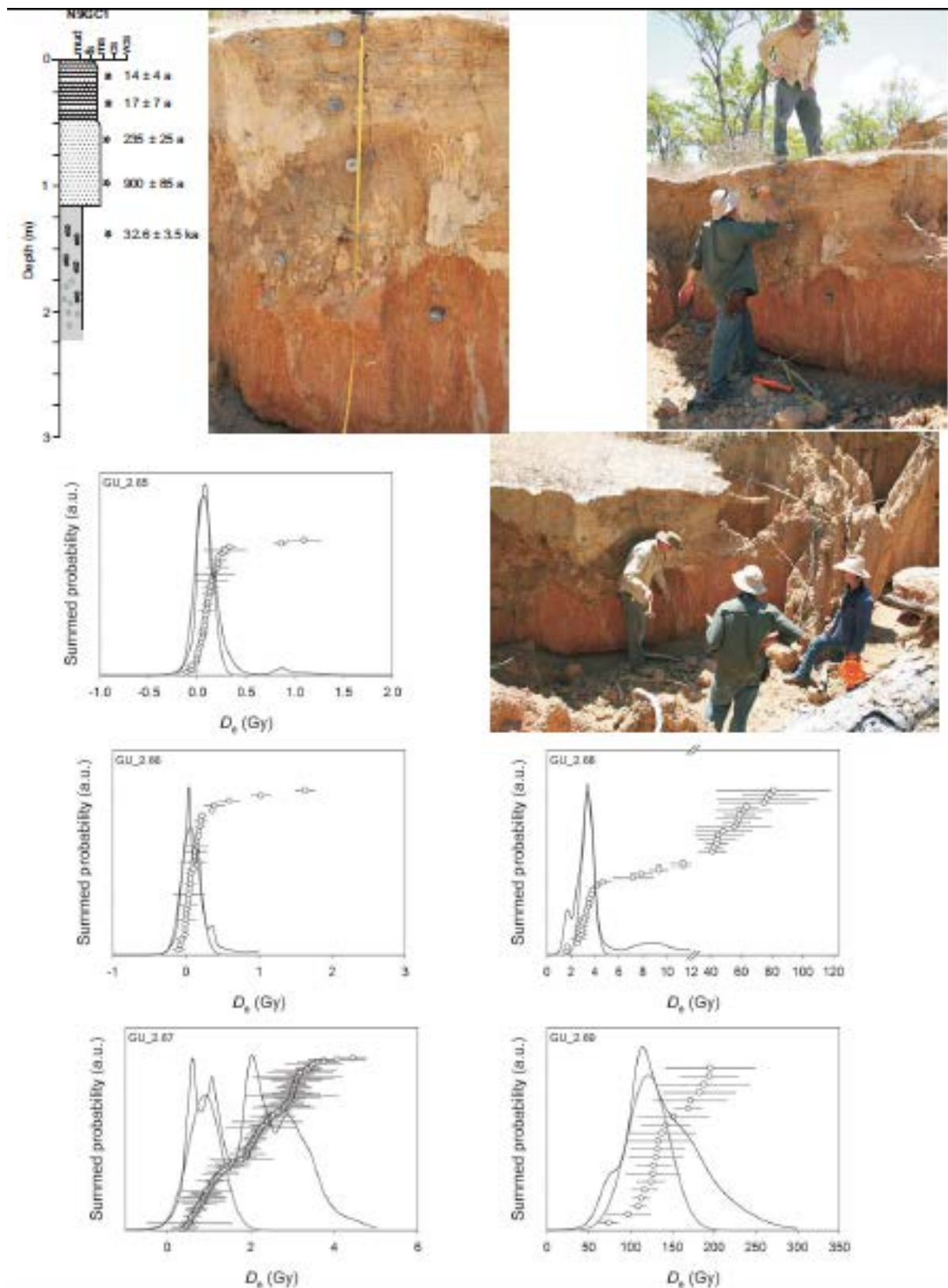




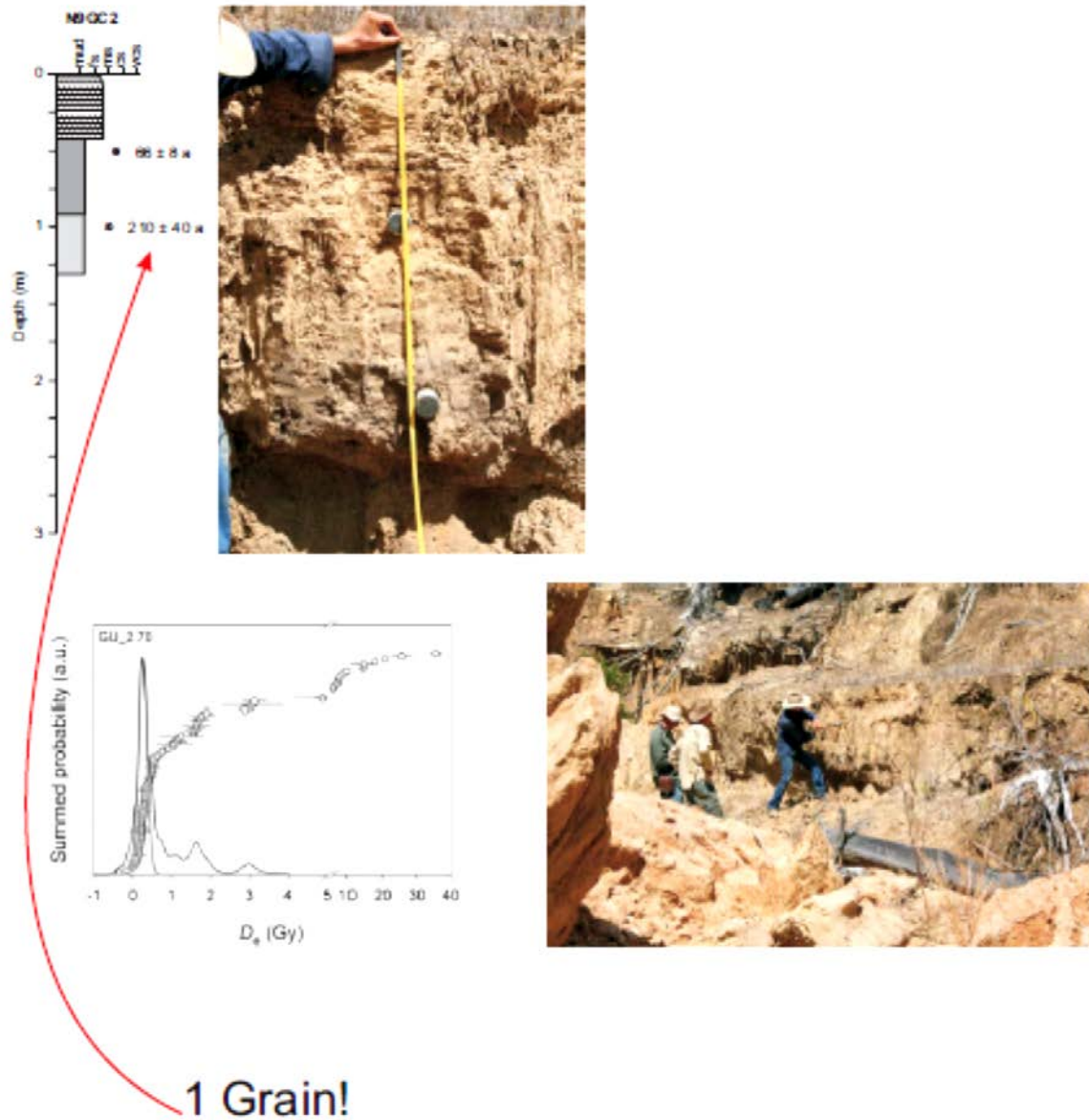
20. West Normanby Bench



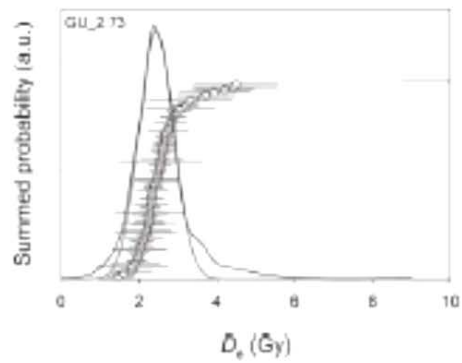
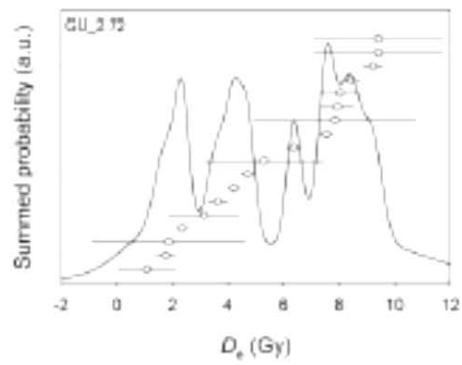
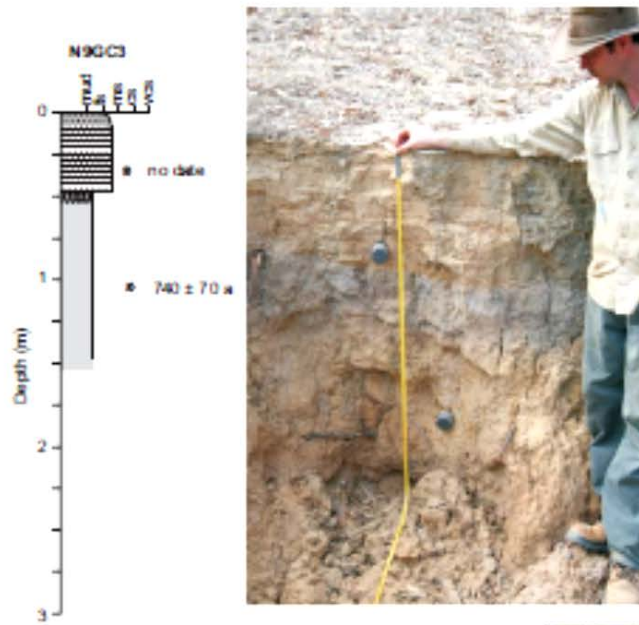
21. Normanby 9 Gully Complex 1



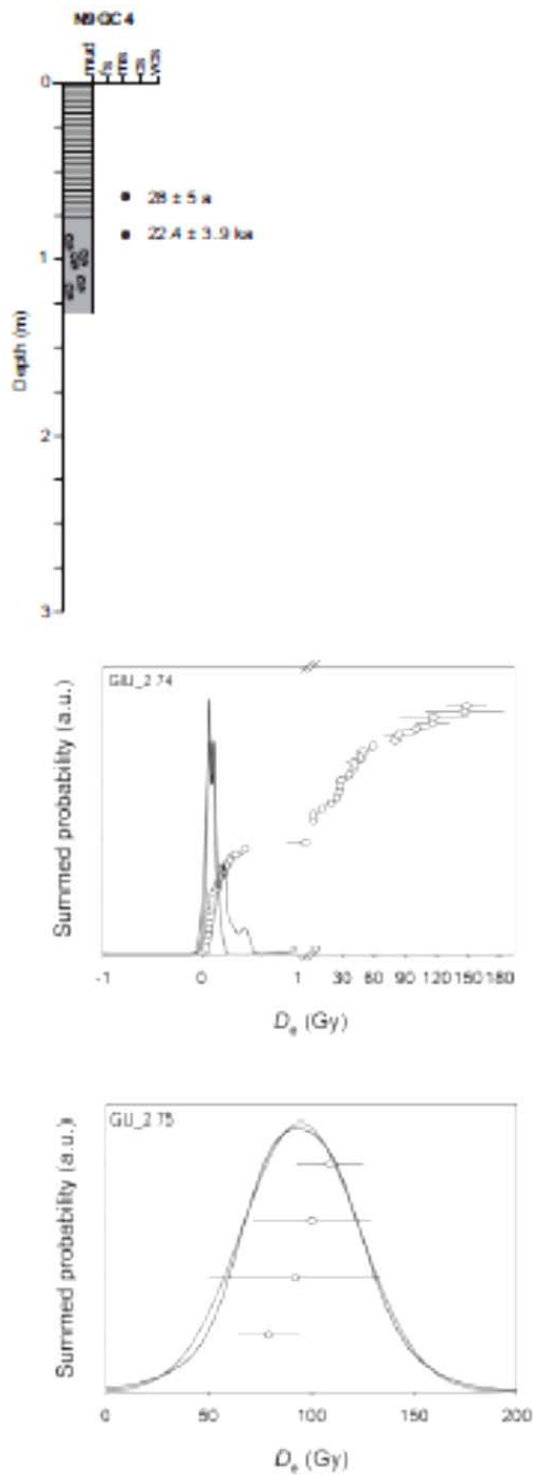
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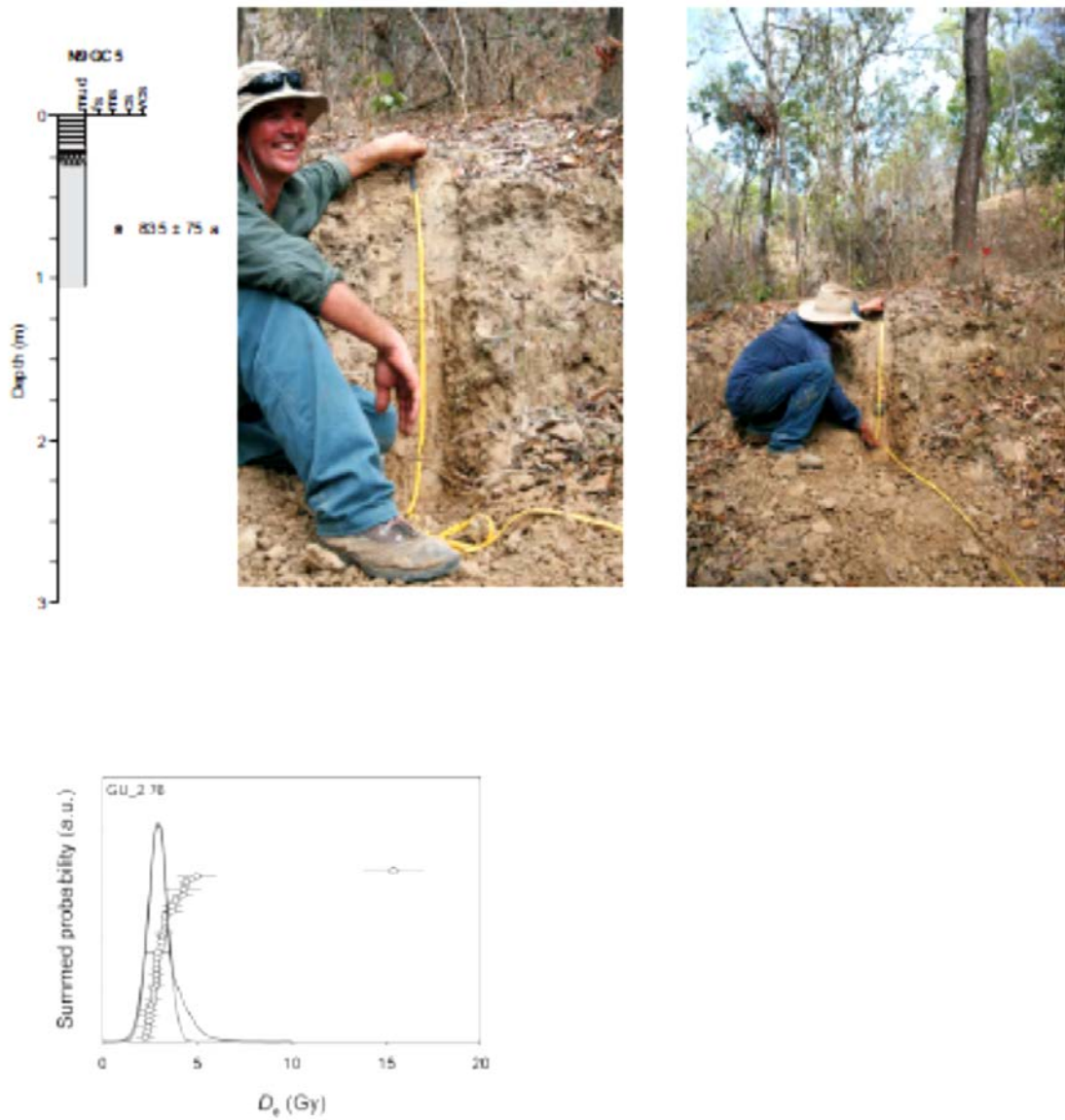
23. Normanby 9 Gully Complex 3



24. Normanby 9 Gully Complex 4



25. Normanby 9 Gully Complex 5



26. Normanby 7 Gully Complex

