

Plot/transect number	Depth to groundwater (m)	Species sampled	Replication	Isotopes analysed
Plots 1–4	4.4–13.9	<i>Eucalyptus camaldulensis</i> , <i>Acacia aneura</i> (Mulga), <i>Corymbia opaca</i>	2 or 3 trees per species, 3–5 samples per tree per isotope	^{18}O , deuterium of ground- water and xylem water; and ^{13}C of leaves/phyllodes
Transects 1–3 (Allungra Creek study)	Regional aquifer > 40 m but shallow ephemeral GW present after flood-outs	<i>Eucalyptus camaldulensis</i> <i>Acacia aneura</i>	2 or 3 trees per species, 3 or more samples per tree	^{13}C of leaves/ phyllodes
Additional spot measure- ments across the basin	20, 36, and 49.5	<i>Acacia aneura</i> <i>Corymbia opaca</i>	2 or 3 trees per species, 3 or more samples per tree	^{13}C of leaves/phyllodes