

Supplementary Material

New evidence of seed dispersal identified in Australian mammals

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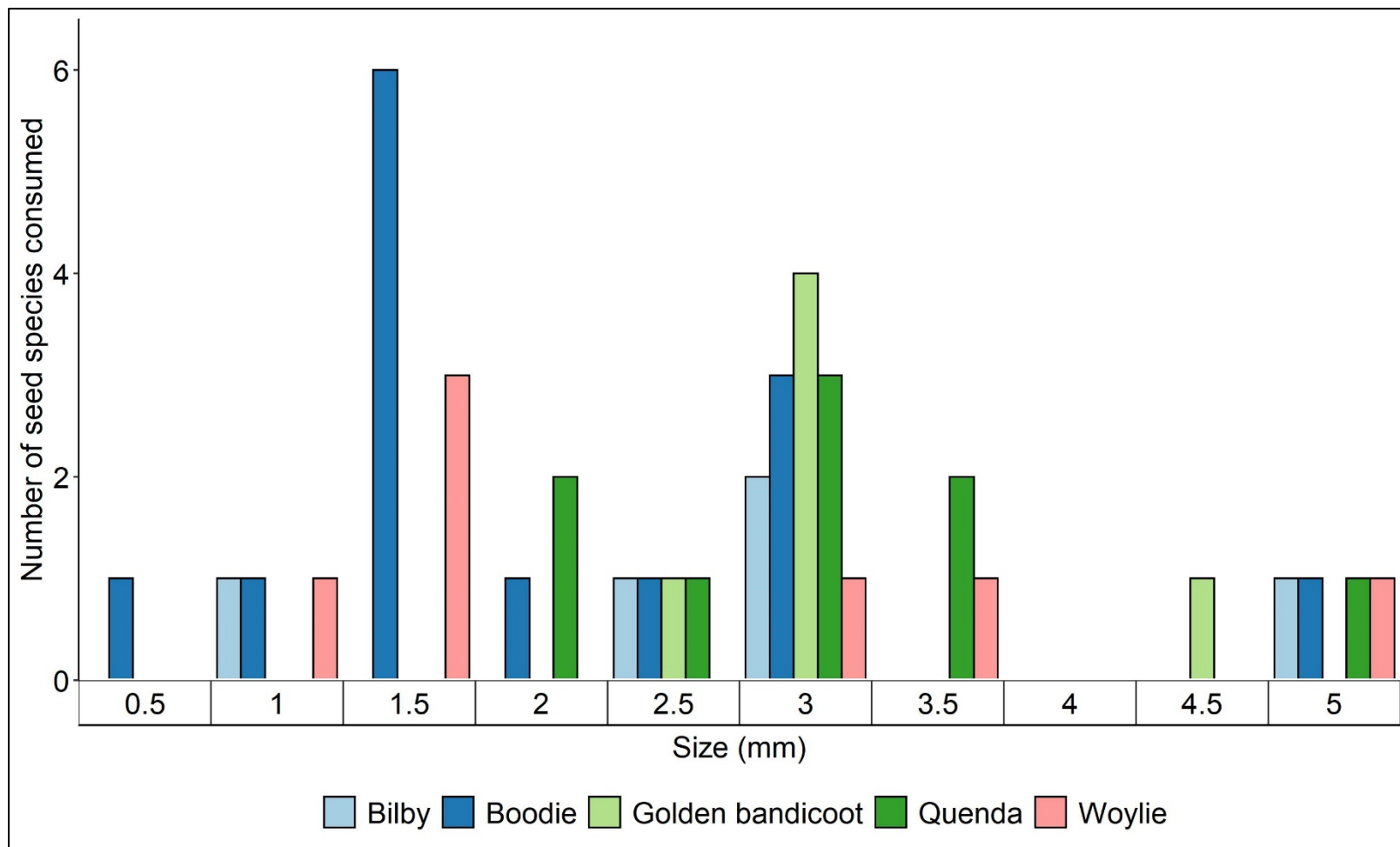


Figure S1. A histogram of the size of the seed species recorded in the scat of five digging mammal species. Seeds were measured to the nearest 0.5 mm.

Table S1. The characteristics, abundance, viability and germination capacity of seeds extracted from the scats of five species of free-living digging mammals.

Mammal species and site	Seed Species	Size (mm)	Fruit type	Plant life form	Number of samples	Number of seeds found	Number of seeds viable	Number of seeds germinated
Boodie								
Alpha Island	<i>Cleome viscosa</i> ^d	1.5	Pod	Herb	4	8	7	0
	<i>Corchorus walcottii</i>	2.5	Dry fruit	Shrub	1	1	0	0
Faure Island	<i>Cenchrus ciliaris</i> ^{ad}	3	Grain	Grass	2	2	0	0
	Chenopodiaceae sp. 1	1.5	Nut	Shrub	1	1	1	1
	<i>Dysphania</i> sp. 1	1.5	Nut	Herb	1	19	0	0
	<i>Pimelea microcephala</i>	5	Fleshy fruit	Shrub	9	79	76	11
	<i>Solanum</i> sp. 1	3	Fleshy fruit	Shrub	4	13	1	0
	Unknown sp. 1	0.5	Unknown	Unknown	1	1	1	0
	Unknown sp. 2	1.5	Unknown	Unknown	2	3	2	0
	Unknown sp. 3	1.5	Unknown	Unknown	2	2	1	0
	Unknown sp. 4	1	Unknown	Unknown	1	1	0	0
	Unknown sp. 5	1.5	Unknown	Unknown	1	1	0	0
Unknown sp. 20	2	Unknown	Unknown	1	3	2	0	
Matuwa-Kurrara Kurrara	<i>Cleome viscosa</i> ^d	1.5	Pod	Herb	1	1	0	0
Woylie								
Karakamia Sanctuary	Fabaceae sp. 1 ^e	3	Pod	Unknown	1	16	15	0
	<i>Poaceae</i> sp. 3	3.5	Pod	Shrub	1	1	0	0
	Unknown sp. 6	1.5	Unknown	Unknown	1	1	0	0
	Unknown sp. 7	1.5	Unknown	Unknown	1	1	0	0
Yookamurra Sanctuary	<i>Poaceae</i> sp. 4	5	Grain	Shrub	1	1	1	0
	Unknown sp. 12	1.5	Unknown	Unknown	1	1	1	0
	Unknown sp. 13	1	Unknown	Unknown	1	1	1	0

Mammal species and site	Seed Species	Size (mm)	Fruit type	Plant life form	Number of samples	Number of seeds found	Number of seeds viable	Number of seeds germinated
Golden bandicoot								
Hermite Island	<i>Cenchrus ciliaris</i> ^{ad}	3	Grain	Grass	5	10	0	0
	<i>Cymbopogon</i> sp.	3	Grain	Grass	2	3	0	0
	<i>Poaceae</i> sp. 2	3	Pod	Shrub	1	1	0	0
	<i>Solanum</i> sp. 3	3	Fleshy fruit	Shrub	4	35	35	34
Matuwa-Kurrara Kurrara	Unknown sp. 10	4.5	Unknown	Unknown	2	1	1	0
	Unknown sp. 11	2.5	Unknown	Unknown	4	84	39	0
Quenda								
Craigie Bushland	<i>Eucalyptus</i> sp. 1	2.5	Capsule	Tree	1	2	2	0
	<i>Hibbertia</i> sp. 1	4	Capsule	Shrub	1	1	1	0
	<i>Ptilotus</i> sp. 1	5	Utricle	Shrub	1	1	1	0
	Unknown sp. 14	2	Unknown	Unknown	1	1	1	0
Karakamia Sanctuary	Asteraceae sp. 1	3	Grain	Herb or Shrub	1	1	0	0
	Fabaceae sp. 1 ^e	3	Pod	Unknown	1	1	1	1
	<i>Hemiandra</i> sp. 1	3	Nut	Shrub	1	1	1	0
	Unknown sp. 8	4	Unknown	Unknown	2	7	3	0
	Unknown sp. 21	2	Unknown	Unknown	1	1	0	0
Bilby								
Mt Gibson Sanctuary	<i>Acacia</i> sp. 1	3	Pod	Shrub	8	118	99	11
	Convolvulaceae sp. 1 ^b	5	Capsule	Herb	1	1	0	0
	<i>Darwinia</i> sp. 1	3	Nut	Shrub	2	1	0	0
	Myrtaceae sp. 1 ^c	1	Capsule	Tree	1	3	3	0
	<i>Solanum</i> sp. 2	2.5	Fleshy fruit	Shrub	1	1	0	0

^a Non-native species

^b possibly *Duperreya* sp.

^c *Eucalyptus* or *Melaleuca* sp.

^d Species recorded at more than one site

^e Species recorded in the scat of more than one mammal species