Supplemental S1: Summary of body mass, ecological niche and distribution characteristics of mammals recovered from Beeton Rockshelter or discussed in this study (after Van Dyck, Strahan 2008) and threat status (after Woinarski et al., 2014) with additional sources listed where applicable. (\* denotes species discussed but not found in Beeton Rockshelter).

| **Species** | **Common name** | **Mass** | **Threat Status** | **Distribution** | **Climate** | **Habitat** | **Lifestyle** | **Activity** | **Diet** | **References** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Dasyurus viverrinus* | Eastern Quoll | 700–1900 g | Endangered restricted to Tasmania. | Tasmania, formerly Eastern NSW, Vic and SE SA including Kangaroo Island | Semi-arid, temperate, tropical to alpine | Open forest and woodland, open grasslands and alpine heath | Ground dwelling | Nocturnal | Invertebrates, small vertebrates, berries, carrion. |  |
| *Antechinus minimus* | Swamp Antechinus | 36-129 g | Not listed | All Tas., coastal Vic. & SE SA  | Temperate | Wet forest, woodland, heathland, tussock grassland & sedgeland with high degree understory cover | Ground dwelling | Nocturnal | Invertebrates |  |
| *Antechinus swainsonii* | Dusky Antechinus | 37-178 g | Not listed | All Tas., coastal NSW & Vic. | Temperate to Mediterranean | Alpine heath, tall open forest with dense understory | Ground dwelling | Noctidiurnal | Invertebrates |  |
| *\* Sminthopsis leucopus* | White-footed Dunnart | 16–32 g  | Least concern | Qld, coastal SE NSW, Vic. & NE Tas. | Tropical to Mediterranean | Closed to open forest, woodland, open heath, tussock grassland and swamp  | Ground dwelling | Nocturnal | Invertebrates (spiders, crickets, cockroaches) & small vertebrates |  |
| *Isoodon obesulus* | Southern Brown Bandicoot | 400–1850 g | Least concern | Restricted to isolated localities Kangaroo Island, Fleurieu Peninsula and Lower SE SA, Coastal Vic and Tasmania. | Temperate | Forest, woodland, shrub and heath. | Ground dwelling and fossorial.  | Diurnal | Invertebrates, fungi.  | Travouillon and Phillips (2018). |
| *Perameles gunnii* | Eastern Barred Bandicoot | 520–1330 g | Vulnerable  | N & E Tas., Mainland restricted to four re–introduced colonies.  | Temperate | Open forest, heath and grassland. | Ground dwelling, dense ground cover, fossorial. | Nocturnal | Invertebrates, worms, fungi, bulbs, tubers, fruits.  | Dufty (1994); Mallick *et al.* (1997) |
| *\* Cercartetus lepidus* | Little Pygmy Possum | 6-10 g | Not listed | SE SA, Vic, Eastern NSW and Blue Mountains. | Temperate | Closed and open forests, woodlands.  | Arboreal and ground foraging. | Nocturnal | Nectar, pollen (*Banksia, Eucalyptus, Callistemon*), insects.  |  |
| *\* Cercartetus nanus* | Eastern Pygmy Possum | 15–43 g | Not listed | SE SA, Vic, Eastern NSW and Blue Mountains. | Temperate, Subtropical. | Closed and open forests, woodlands.  | Arboreal and ground foraging. | Nocturnal | Nectar, pollen (*Banksia, Eucalyptus, Callistemon*), insects.  |  |
| *Vombatus ursinus* | Common or Bare-nosed Wombat | 22–39 kg | Not listed | East Coast, NSW, Vic, SE SA, Tasmania. | Temperate | Temperate forest to open woodland, coastal scrub and heath | Ground dwelling and fossorial | Nocturnal | Native grasses, sedges and rushes |  |
| *Bettongia gaimardi* | Eastern Bettong | 1.2–2.25 kg | Vulnerable | Eastern Tasmania, Formerly E NSW, Vic, SE SA  | Temperate | Open dry fire-prone forest with grassy or heath understory | Ground dwelling | Nocturnal | Hypogeal Fungi, seeds, roots, bulbs |  |
|  |  |  |  |  |  |  |  |  |  |  |
| *Potorous tridactylus* | Long–nosed Potoroo | 660–1640 g | Not threatened | East Coast, NSW, Vic, southern Qld, Tasmania.  | Rainfall >760 mm | Coastal heath, dry and wet sclerophyll forest, requires thick groundcover.  | Ground dwelling | Nocturnal | Fungi, arthropods, fruits, plant tissues and seeds.  | Holland and Bennett (2007) |
| *Thylogale billardierii* | Tasmanian or Rufous-bellied Pademelon | 2.4–12 kg | Not listed | Tasmania, larger Bass Strait Islands, formerly SE SA and Vic | Temperate | Wet sclerophyll forest, rainforest, Tea-tree scrub | Ground dwelling | Nocturnal | Short green grasses, herbs and broad leafed forbes |  |
| *Macropus giganteus/ fuliginosus* | Eastern Grey Kangaroo or Forester, Western Grey Kangaroo | 17–85 kg |  Not listed | Southern and eastern Australia. | Broad, temperate to tropical and semi-arid. | Sclerophyll forest, woodland, mallee scrub, shrubland and heathland | Ground dwelling | Nocturnal | Predominantly short grass grazer but can browse on small shrubs, soft herbs and ferns |  |
| *Notomacropus rufogriseus* | Red-necked or Bennett's Wallaby | 12–23.7 kg | Not listed | SE SA, SW Vic, Tasmania, eastern Australia. | Alpine, temperate, sub-tropical. | *Eucalyptus* forest, closed heath, sedges.  | Ground dwelling | Nocturnal | Grasses and herbs, seed heads, occasional browse of small shrubs and seedlings. | Le Mar and McArthur (2005) |
| *Mastacomys fuscus* | Broad–toothed Rat | 97–145 g | Endangered. | Snowy mountains, Victorian alps, and Barrington tops, Tasmania. Formerly SE SA and Coorong. | Alpine, subalpine. High rainfall, cool to cold winter. | Wet sclerophyll forest with dense grassy undergrowth, wet sedgelands, heathland, grassland. | Ground dwelling | Noctidiurnal | Grasses, some shrub leaves.  | Watts and Aslin (1981); Robinson *et al.* (2000) |
| *Pseudomys novaehollandiae* | New Holland Mouse | 12–26 g | Vulnerable | Coastal southern Qld, NSW, Vic. & NE Tas. | Temperate to Mediterranean | Heathlands, woodlands, open forest and paperbark swamps | Ground dwelling | Nocturnal | Omnivorous. Eats seeds, leaves, fungi and small invertebrates |  |
| *Pseudomys higginsi* | Long-tailed Mouse | 50–90 g  | Not listed | Tasmania | Temperate | Cool temperate rainforest, wet Sclerophyll Forest, wet scrub, alpine boulder fields/scree slopes | Ground dwelling | Nocturnal | Grasses, sedges, seeds & fruits, hypogeal fungi invertebrates |  |
| *Rattus lutreola* | Swamp Rat | 50–200 g | Not listed | Fleurieu Peninsula, KI, SE SA, southern Vic, eastern Australia and Tasmania. | Temperate, tropical. | Coastal vegetation, wet dense heath, grass and sedge, wet and dry sclerophyll forest.  | Ground dwelling | Nocturnal | Grasses and sedges, fruits, seeds, arthropods.  | Fox and Monamy (2007); Holland and Bennett (2007)  |

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