

Table 6.2 Comparisons between the Species Richness of Ants and the Species Richness of Other Taxa in Australia^a

Taxon Compared	Habitat	Variance, Probability	Reference
Positive association between ants and:			
Plants	Rehabilitated bauxite minesites	$r^2 = 0.24, P < 0.05$	Majer (1983)
		$r^2 = 0.35, P < 0.001$	Andersen et al. (1996)
	<i>Eucalyptus</i> woodland	$r^2 = 0.22, P < 0.01$	Abensperg-Traun et al. (1996)
	Wet sclerophyll forest, dry eucalypt forest, heathland, and swamp	—	Cranston and Trueman (1997)
Invertebrates			
Beetles	Rehabilitated bauxite minesites	$r^2 = 0.21, P < 0.001$	Andersen et al. (1996)
Collembola	Rehabilitated bauxite minesites	—, $P < 0.05$	Majer (1983)
Scorpions	<i>Eucalyptus</i> woodland	$r^2 = 0.25, P < 0.01$	Abensperg-Traun et al. (1996)
Termites	Rehabilitated bauxite minesites	$r^2 = 0.30, P < .001$	Majer (1983)
		$r^2 = 0.30, P < 0.05$	Andersen et al. (1996)
	Tropical hummock-grassland	—, $P < 0.05$	Majer (1983)
	<i>Eucalyptus</i> woodland	$r^2 = 0.17, P < 0.05$	Abensperg-Traun et al. (1996)
Ground invertebrates	Rehabilitated bauxite minesites	$r^2 = 0.21, P < 0.001$	Andersen et al. (1996)
Vegetation invertebrates	Rehabilitated bauxite minesites	$r^2 = 0.32, P < 0.001$	Andersen et al. (1996)
Soil invertebrates	Rehabilitated bauxite minesites	$r^2 = 0.07, P < 0.05$	Andersen et al. (1996)
Total invertebrates	Rehabilitated bauxite minesites	—, $P < 0.05$	Majer (1983)
Negative association between ants and:			
Birds	Forest (unlogged)	$r^2 = -0.14, P < 0.05$	Oliver et al. (1998)
Beetles	Grassland, dry and moist forests	$r^2 = -0.75, P < 0.001$	Oliver and Beattie (1996b)
Termites	Shrubland	$r^2 = -0.18, P < 0.05$	Abensperg-Traun et al. (1996)
No association between ants and:			
Plants	Forest	$r^2 = 0.00, P > 0.05$	Oliver et al. (1998)
	Shrubland	—, $P > 0.05$	Abensperg-Traun et al. (1996)
Vertebrates			
Birds	Woodland, heath, plantations	$r^2 = 0.09, P > 0.05$	Burbridge et al. (1992)
	Logged forest	$r^2 = 0.16, P > 0.05$	Oliver et al. (1998)
Mammals	Woodland, heath, plantations	$r^2 = -0.001, P > 0.05$	Burbridge et al. (1992)
	Forest (logged and unlogged)	$r^2 = 0.008, P > 0.05$	Oliver et al. (1998)
Reptiles	Woodland, heath, plantations	$r^2 = 0.03, P > 0.05$	Burbridge et al. (1992)
	<i>Eucalyptus</i> woodland	—, $P > 0.05$	Abensperg-Traun et al. (1996)
	Forest (logged and unlogged)	$r^2 = 0.06, P > 0.05$	Oliver et al. (1998)
Amphibians	Forest (logged and unlogged)	$r^2 = 0.13, P > 0.05$	Oliver et al. (1998)
Invertebrates			
Beetles	<i>Eucalyptus</i> woodland	—, $P > 0.05$	Abensperg-Traun et al. (1996)
	Shrubland	—, $P > 0.05$	Abensperg-Traun et al. (1996)
	Forest (logged and unlogged)	$r^2 = 0.12, P > 0.05$	Oliver et al. (1998)
	Wet sclerophyll forest, dry eucalypt forest, heathland, and swamp	^b	Cranston and Trueman (1997)
Butterflies	Shrubland	—, $P > 0.05$	Abensperg-Traun et al. (1996)

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