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Supplementary material

The composition of mixed-species bird flocks in northern Australian savannas

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Table S1. Birds observed in mixed-species flocks, the number of mixed flocks in which they were recorded, foraging guild, size-class and body mass class

P, Passerine; NP, Non-passerine. Foraging guilds (FG) are: AI, aerial insectivore; FI, foliage insectivore; FN, foliage insectivore or nectarivore; FR, frugivore; GI, ground insectivore or omnivore; GR, granivore; NE, nectarivore; RA, raptor. Size-classes are: small, <25 cm in total length; and large, >25 cm

Family Scientific name	Common name	Total number of individuals	Number of mixed flocks	P or NP	FG	Size-class	Body mass class (g)
Phasianidae							
Coturnix ypsilophora	Brown Quail	4	1	NP	GR	Small	101–200
Columbidae							
Geopelia cuneata	Diamond Dove	56	10	NP	GR	Small	26–50
Geopelia striata	Peaceful Dove	38	18	NP	GR	Small	51–100
Apodidae							
Aerodramus terrareginae	Australian Swiftlet	1	1	NP	AI	Small	<12.5
Apus pacificus	Fork-tailed Swift	1	1	NP	AI	Small	26–50
Cacatuidae							
Eolophus roseicapillus	Galah	16	5	NP	GR	Large	>200
Cacatua sanguinea	Little Corella	205	1	NP	GR	Large	>200
Nymphicus hollandicus	Cockatiel	13	1	NP	GR	Large	51–100
Psittacidae							
Trichoglossus haematodus	Rainbow Lorikeet	26	5	NP	NE	Large	101–200
Trichoglossus chlorolepidotus	Scaly-breasted Lorikeet	37	3	NP	NE	Small	51–100
Psitteuteles versicolor	Varied Lorikeet	4	2	NP	NE	Small	51–100
Glossopsitta pusilla	Little Lorikeet	2	1	NP	NE	Small	26–50
Platycercus adscitus	Pale-headed Rosella	11	6	NP	GR	Large	101–200
Melopsittacus undulatus	Budgerigar	315	14	NP	GR	Small	26–50
Cuculidae							
Centropus phasianinus	Pheasant Coucal	1	1	NP	GI	Large	>200
Chrysococcyx basalis	Horsfield's Bronze-Cuckoo	12	9	NP	FI	Small	12.5–25
Chrysococcyx osculans	Black-eared Cuckoo	1	1	NP	FI	Small	26–50
Chrysococcyx minutillus	Little Bronze-Cuckoo	2	2	NP	FI	Small	12.5–25
Halcyonidae							
Todiramphus macleayii	Forest Kingfisher	1	1	NP	RA	Small	26–50
Todiramphus pyrrhopygius	Red-backed Kingfisher	4	3	NP	RA	Small	51–100

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Meropidae							
Merops ornatus	Rainbow Bee-eater	39	18	NP	AI	Small	26–50
Coraciidae							
Eurystomus orientalis	Dollarbird	1	1	NP	AI	Large	101–200
Climacteridae							
Climacteris picumnus	Brown Treecreeper	65	31	P	FI	Small	26–50
Maluridae							
Malurus melanocephalus	Red-backed Fairy-wren	39	6	P	GI	Small	<12.5
Malurus leucopterus	White-winged Fairy-wren	8	2	P	GI	Small	<12.5
Malurus lamberti	Variegated Fairy-wren	84	18	P	GI	Small	<12.5
Malurus amabilis	Lovely Fairy-wren	10	3	P	GI	Small	<12.5
Acanthizidae							
Sericornis beccarii	Tropical Scrubwren	2	1	P	GI	Small	<12.5
Chthonicola sagittata	Speckled Warbler	5	3	P	GI	Small	12.5–25
Smicrornis brevirostris	Weebill	313	114	P	FI	Small	<12.5
Gerygone fusca	Western Gerygone	25	17	P	FI	Small	<12.5
Gerygone palpebrosa	Fairy Gerygone	8	4	P	FI	Small	<12.5
Gerygone albogularis	White-throated Gerygone	35	26	P	FI	Small	<12.5
Acanthiza nana	Yellow Thornbill	18	7	P	FI	Small	<12.5
Acanthiza chrysorrhoa	Yellow-rumped Thornbill	246	66	P	FI	Small	<12.5
Acanthiza uropygialis	Chestnut-rumped Thornbill	4	2	P	FI	Small	<12.5
Acanthiza reguloides	Buff-rumped Thornbill	8	1	P	FI	Small	<12.5
Acanthiza apicalis	Inland Thornbill	33	18	P	FI	Small	<12.5
Acanthiza katherina	Mountain Thornbill	3	1	P	FI	Small	<12.5
Pardalotidae							
Pardalotus punctatus	Spotted Pardalote	11	5	P	FI	Small	<12.5
Pardalotus rubricatus	Red-browed Pardalote	4	3	P	FI	Small	<12.5
Pardalotus striatus	Striated Pardalote	100	53	P	FI	Small	<12.5
Meliphagidae							
Meliphaga lewinii	Lewin's Honeyeater	4	3	P	FN	Small	26–50
Lichenostomus frenatus	Bridled Honeyeater	6	2	P	FN	Small	26–50
Lichenostomus chrysops	Yellow-faced Honeyeater	9	5	P	FN	Small	12.5–25
Lichenostomus virescens	Singing Honeyeater	38	22	P	FN	Small	26–50
Lichenostomus flavus	Yellow Honeyeater	3	3	P	FN	Small	12.5–25
Lichenostomus keartlandi	Grey-headed Honeyeater	6	4	P	FN	Small	12.5–25

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Meliphagidae (*cont.*)							
Lichenostomus plumulus	Grey-fronted Honeyeater	21	11	P	FN	Small	12.5–25
Lichenostomus flavescens	Yellow-tinted Honeyeater	5	3	P	FN	Small	<12.5
Lichenostomus penicillatus	White-plumed Honeyeater	1	1	P	FN	Small	12.5–25
Manorina melanocephala	Noisy Miner	7	3	P	FN	Large	51–100
Manorina flavigula	Yellow-throated Miner	20	7	P	FN	Large	51–100
Acanthagenys rufogularis	Spiny-cheeked Honeyeater	12	7	P	FN	Small	26–50
Conopophila albogularis	Rufous-banded Honeyeater	5	2	P	FN	Small	<12.5
Conopophila rufogularis	Rufous-throated Honeyeater	31	14	P	FN	Small	<12.5
Epthianura tricolor	Crimson Chat	95	15	P	GI	Small	<12.5
Epthianura aurifrons	Orange Chat	2	1	P	GI	Small	<12.5
Sugomel niger	Black Honeyeater	1	1	P	NE	Small	<12.5
Myzomela obscura	Dusky Honeyeater	3	2	P	NE	Small	12.5–25
Myzomela sanguinolenta	Scarlet Honeyeater	4	3	P	NE	Small	<12.5
Cissomela pectoralis	Banded Honeyeater	20	7	P	FN	Small	<12.5
Lichmera indistincta	Brown Honeyeater	27	16	P	NE	Small	<12.5
Melithreptus albogularis	White-throated Honeyeater	69	24	P	FN	Small	<12.5
Melithreptus lunatus	White-naped Honeyeater	2	1	P	FN	Small	12.5–25
Entomyzon cyanotis	Blue-faced Honeyeater	33	10	P	FN	Large	101–200
Philemon argenticeps	Silver-crowned Friarbird	2	2	P	FN	Large	51–100
Philemon corniculatus	Noisy Friarbird	15	7	P	FN	Large	101–200
Philemon citreogularis	Little Friarbird	30	19	P	FN	Large	51–100
Plectorhyncha lanceolata	Striped Honeyeater	8	6	P	FN	Small	26–50
Pomatostomidae							
Pomatostomus temporalis	Grey-crowned Babbler	55	18	P	GI	Small	51–100
Psophodidae							
Psophodes occidentalis	Chiming Wedgebill	1	1	P	GI	Small	26–50
Neosittidae							
Daphoenositta chrysoptera	Varied Sittella	164	47	P	FI	Small	12.5–25
Campephagidae							
Coracina maxima	Ground Cuckoo-shrike	3	2	P	GI	Large	101–200
Coracina novaehollandiae	Black-faced Cuckoo-shrike	38	26	P	FI	Large	101–200
Coracina papuensis	White-bellied Cuckoo-shrike	51	29	P	FI	Large	51–100
Coracina tenuirostris	Cicadabird	1	1	P	FI	Small	51–100
Lalage sueurii	White-winged Triller	236	71	P	FI	Small	26–50

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Pachycephalidae							
Pachycephala rufiventris	Rufous Whistler	217	111	P	FI	Small	12.5–25
Colluricincla harmonica	Grey Shrike-thrush	19	17	P	FI	Small	51–100
Oreoica gutturalis	Crested Bellbird	16	13	P	GI	Small	51–100
Oriolidae							
Sphecotheres vieilloti	Australasian Figbird	2	1	P	FR	Large	101–200
Oriolus sagittatus	Olive-backed Oriole	10	9	P	FI	Large	51–100
Artamidae							
Artamus leucorynchus	White-breasted Woodswallow	6	3	P	AI	Small	26–50
Artamus personatus	Masked Woodswallow	202	12	P	AI	Small	26–50
Artamus superciliosus	White-browed Woodswallow	67	4	P	AI	Small	26–50
Artamus cinereus	Black-faced Woodswallow	450	92	P	AI	Small	26–50
Artamus minor	Little Woodswallow	20	5	P	AI	Small	12.5–25
Cracticus torquatus	Grey Butcherbird	7	3	P	RA	Large	51–100
Cracticus nigrogularis	Pied Butcherbird	17	12	P	RA	Large	101–200
Cracticus tibicen	Australian Magpie	3	2	P	GI	Large	>200
Dicruridae							
Dicrurus bracteatus	Spangled Drongo	12	5	P	RA	Large	51–100
Rhipiduridae							
Rhipidura rufifrons	Rufous Fantail	5	5	P	AI	Small	<12.5
Rhipidura albiscapa	Grey Fantail	53	42	P	AI	Small	<12.5
Rhipidura rufiventris	Northern Fantail	1	1	P	AI	Small	12.5–25
Rhipidura leucophrys	Willie Wagtail	97	77	P	GI	Small	12.5–25
Monarchidae							
Myiagra rubecula	Leaden Flycatcher	12	9	P	AI	Small	<12.5
Myiagra alecto	Shining Flycatcher	2	1	P	FI	Small	12.5–25
Myiagra inquieta	Restless Flycatcher	9	9	P	AI	Small	12.5–25
Grallina cyanoleuca	Magpie-lark	25	13	P	GI	Large	51–100
Machaerirhynchus flaviventer	Yellow-breasted Boatbill	1	1	P	FI	Small	<12.5
Corcoracidae							
Struthidea cinerea	Apostlebird	89	11	P	GI	Large	101–200
Petroicidae							
Microeca fascinans	Jacky Winter	44	27	P	AI	Small	12.5–25
Microeca flavigaster	Lemon-bellied Flycatcher	7	5	P	AI	Small	<12.5
Petroica goodenovii	Red-capped Robin	7	4	P	GI	Small	<12.5

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Petroicidae (*cont.*)							
Melanodryas cucullata	Hooded Robin	26	11	P	GI	Small	12.5–25
Eopsaltria australis	Eastern Yellow Robin	2	2	P	FI	Small	12.5–25
Alaudidae							
Mirafra javanica	Horsfield's Bushlark	2	1	P	GI	Small	12.5–25
Cisticolidae							
Cisticola exilis	Golden-headed Cisticola	1	1	P	GI	Small	<12.5
Megaluridae							
Cincloramphus mathewsi	Rufous Songlark	56	28	P	GI	Small	12.5–25
Cincloramphus cruralis	Brown Songlark	4	3	P	GI	Small	26–50
Timaliidae							
Zosterops lateralis	Silvereye	2	1	P	FI	Small	<12.5
Hirundinidae							
Petrochelidon nigricans	Tree Martin	3	1	P	AI	Small	12.5–25
Nectariniidae							
Dicaeum hirundinaceum	Mistletoebird	18	10	P	FR	Small	<12.5
Estrildidae							
Taeniopygia guttata	Zebra Finch	355	37	P	GR	Small	<12.5
Taeniopygia bichenovii	Double-barred Finch	296	67	P	GR	Small	<12.5
Poephila cincta	Black-throated Finch	306	31	P	GR	Small	12.5–25
Poephila personata	Masked Finch	10	5	P	GR	Small	12.5–25
Neochmia modesta	Plum-headed Finch	157	4	P	GR	Small	<12.5
Emblema pictum	Painted Finch	17	2	P	GR	Small	<12.5
Heteromunia pectoralis	Pictorella Mannikin	16	2	P	GR	Small	12.5–25
Motacillidae							
Anthus novaeseelandiae	Australasian Pipit	4	2	P	GI	Small	26–50