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Wildlife Research

Supplementary Material

Diet of fallow deer suggests potential for invasion of novel habitats in Tasmania

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Table S1. Taxon list for Tasmanian fallow deer diet analysis.

Taxon	Family	Genus	Lifeform	Native or introduced	B	SP	AL	FR	Total percentage of scats with taxon present
<i>Asplenium flabellifolium</i>	Aspleniaceae	<i>Asplenium</i>	Fern	Native	0	10	0	0	2.5
<i>Dicksonia antarctica</i>	Dicksoniaceae	<i>Dicksonia</i>	Fern	Native	10	0	0	0	2.5
<i>Ophioglossum lusitanicum</i>	Ophioglossaceae	<i>Ophioglossum</i>	Fern	Native	10	0	0	0	2.5
<i>Carex hirta</i>	Cyperaceae	<i>Carex</i>	Graminoid	Introduced	0	0	30	10	10
<i>Carex</i> sp.	Cyperaceae	<i>Carex</i>	Graminoid	NA	10	40	20	30	25
<i>Empodisma minus</i>	Restionaceae	<i>Empodisma</i>	Graminoid	Native	0	0	20	10	7.5
<i>Isolepis marginata</i>	Cyperaceae	<i>Isolepis</i>	Graminoid	Native	10	0	0	0	2.5
<i>Isolepis</i> sp.	Cyperaceae	<i>Isolepis</i>	Graminoid	Native	0	0	10	0	2.5
Juncaceae	Juncaceae	NA	Graminoid	Native	0	10	0	0	2.5
<i>Juncus effusus</i>	Juncaceae	<i>Juncus</i>	Graminoid	Introduced	10	20	0	10	10
<i>Luzula multiflora</i>	Juncaceae	<i>Luzula</i>	Graminoid	Introduced	10	10	10	10	10
<i>Luzula</i> sp.	Juncaceae	<i>Luzula</i>	Graminoid	Native	0	0	10	0	2.5
Restionaceae	Restionaceae	NA	Graminoid	Native	0	0	0	10	2.5
<i>Anthoxanthum odoratum</i>	Poaceae	<i>Anthoxanthum</i>	Grass	Introduced	0	10	0	0	2.5
<i>Bromus erectus</i>	Poaceae	<i>Bromus</i>	Grass	Introduced	10	0	0	0	2.5
<i>Bromus</i> sp.	Poaceae	<i>Bromus</i>	Grass	Introduced	10	0	0	0	2.5
<i>Festuca</i> sp.	Poaceae	<i>Festuca</i>	Grass	NA	10	0	0	0	2.5
<i>Hordeum murinum</i>	Poaceae	<i>Hordeum</i>	Grass	Introduced	10	0	0	0	2.5
Poaceae	Poaceae	NA	Grass	NA	20	30	0	20	17.5
<i>Rytidosperma semiannulare</i>	Poaceae	<i>Rytidosperma</i>	Grass	Native	20	10	0	30	15
<i>Rytidosperma setaceum</i>	Poaceae	<i>Rytidosperma</i>	Grass	Native	0	0	0	10	2.5
<i>Acaena novae-zelandiae</i>	Rosaceae	<i>Acaena</i>	Herb	Native	30	10	30	30	25
<i>Acaena</i> sp.	Rosaceae	<i>Acaena</i>	Herb	Native	20	0	0	10	7.5
<i>Aphanes</i> sp.	Rosaceae	<i>Aphanes</i>	Herb	Introduced	10	0	0	0	2.5
<i>Arctotheca calendula</i>	Asteraceae	<i>Arctotheca</i>	Herb	Introduced	40	0	0	0	10
Asteraceae	Asteraceae	NA	Herb	NA	80	20	30	20	37.5
<i>Centaurea</i> sp.	Asteraceae	<i>Centaurea</i>	Herb	Introduced	10	10	0	10	7.5
<i>Cerastium</i> sp.	Caryophyllaceae	<i>Cerastium</i>	Herb	Introduced	50	0	0	0	12.5
Chenopodiaceae	Chenopodiaceae	NA	Herb	NA	0	10	10	20	10
<i>Cirsium</i> sp.	Asteraceae	<i>Cirsium</i>	Herb	Introduced	70	20	30	20	35
<i>Cotula australis</i>	Asteraceae	<i>Cotula</i>	Herb	Native	10	0	0	0	2.5
<i>Epilobium</i> sp.	Onagraceae	<i>Epilobium</i>	Herb	NA	0	0	10	0	2.5
<i>Euchiton japonicus</i>	Asteraceae	<i>Euchiton</i>	Herb	Native	0	0	20	10	7.5
<i>Galium</i> sp.	Rubiaceae	<i>Galium</i>	Herb	Native	0	10	30	20	15
<i>Geranium</i> sp.	Geraniaceae	<i>Geranium</i>	Herb	Native	10	20	40	50	30
<i>Gonocarpus micranthus</i>	Haloragaceae	<i>Gonocarpus</i>	Herb	Native	0	0	40	10	12.5
<i>Gonocarpus</i> sp.	Haloragaceae	<i>Gonocarpus</i>	Herb	Native	0	20	60	40	30
<i>Gonocarpus tetragynus</i>	Haloragaceae	<i>Gonocarpus</i>	Herb	Native	0	40	100	60	50
<i>Gunnera</i> sp.	Geraniaceae	<i>Gunnera</i>	Herb	Native	0	0	10	0	2.5

Taxon	Family	Genus	Lifeform	Native or introduced	B	SP	AL	FR	Total percentage of scats with taxon present
Haloragaceae	Haloragaceae	NA	Herb	Native	0	10	20	20	12.5
<i>Leontodon saxatilis</i>	Asteraceae	<i>Leontodon</i>	Herb	Introduced	10	0	10	0	5
Menyanthaceae	Menyanthaceae	NA	Herb	NA	20	0	10	0	7.5
<i>Microtis unifolia</i>	Orchidaceae	<i>Microtis</i>	Herb	Native	10	0	0	0	2.5
<i>Mitrasacme pilosa</i>	Loganiaceae	<i>Mitrasacme</i>	Herb	Native	0	0	10	10	5
<i>Myriophyllum</i>	Haloragaceae	<i>Myriophyllum</i>	Herb	Native	0	10	30	20	15
<i>Opercularia varia</i>	Rubiaceae	<i>Opercularia</i>	Herb	Native	0	30	30	10	17.5
<i>Oxalis</i> sp.	Oxalidaceae	<i>Oxalis</i>	Herb	NA	50	0	0	0	12.5
<i>Pelargonium</i> sp.	Geraniaceae	<i>Pelargonium</i>	Herb	Native	0	0	0	20	5
<i>Plantago varia</i>	Plantaginaceae	<i>Plantago</i>	Herb	Native	10	0	0	0	2.5
<i>Rubus</i> sp.	Rosaceae	<i>Rubus</i>	Herb	Native	0	0	10	0	2.5
<i>Scleranthus uniflorus</i>	Caryophyllaceae	<i>Scleranthus</i>	Herb	Native	0	40	10	10	15
<i>Stellaria</i> sp.	Caryophyllaceae	<i>Stellaria</i>	Herb	NA	10	0	0	0	2.5
<i>Wahlenbergia</i> sp.	Campanulaceae	<i>Wahlenbergia</i>	Herb	Native	0	10	0	0	2.5
Lophocoleaceae	Lophocoleaceae	NA	Liverwort	NA	0	10	0	0	2.5
<i>Ceratodon purpureus</i>	Ditrichaceae	<i>Ceratodon</i>	Moss	Native	0	0	10	10	5
Hypnaceae	Hypnaceae	<i>Hypnum</i>	Moss	NA	10	10	10	0	7.5
<i>Banksia</i> sp.	Proteaceae	<i>Banksia</i>	Shrub	Native	0	10	10	10	7.5
<i>Coprosma hirtella</i>	Rubiaceae	<i>Coprosma</i>	Shrub	Native	0	60	10	10	20
Fabaceae	Fabaceae	NA	Shrub	Native	30	10	20	10	17.5
<i>Grevillea</i> sp.	Proteaceae	<i>Grevillea</i>	Shrub	Native	0	10	20	0	7.5
<i>Hakea microcarpa</i>	Proteaceae	<i>Hakea</i>	Shrub	Native	0	10	20	30	15
<i>Hibbertia</i> sp.	Dilleniaceae	<i>Hibbertia</i>	Shrub	Native	30	10	30	10	20
<i>Leptospermum</i> sp.	Myrtaceae	<i>Leptospermum</i>	Shrub	Native	0	10	0	0	2.5
<i>Platylobium obtusangulum</i>	Fabaceae	<i>Platylobium</i>	Shrub	Native	0	0	10	0	2.5
Proteaceae	Proteaceae	NA	Shrub	Native	0	0	40	20	15
<i>Rosa rubiginosa</i>	Rosaceae	<i>Rosa</i>	Shrub	Introduced	0	0	10	0	2.5
Rosaceae	Rosaceae	NA	Shrub	NA	20	10	10	10	12.5
Rubiaceae	Rubiaceae	NA	Shrub	Native	0	20	0	10	7.5
<i>Acacia dealbata</i>	Fabaceae	<i>Acacia</i>	Tree	Native	40	30	0	0	17.5
<i>Acacia</i> sp.	Fabaceae	<i>Acacia</i>	Tree	Native	10	0	0	0	2.5
<i>Exocarpos</i> sp.	Santalaceae	<i>Exocarpos</i>	Tree	Native	0	0	10	0	2.5
<i>Pittosporum</i> sp.	Pittosporaceae	<i>Pittosporum</i>	Tree	Native	0	10	0	0	2.5
<i>Eucalyptus</i> sp.	Myrtaceae	<i>Eucalyptus</i>	Tree	Native	10	80	90	60	60
Total number of taxa					34	34	40	37	

Plant species nomenclature follows de Salas and Baker (2021). B, Beaufront; SP, Silver Plains Reserve; AL, Arthurs Lake; FR, Five Rivers Reserve.

Table S2. Plant species sampled for the nucleotide database NCBI (GenBank).

Taxon	Species observed in scat samples	Genus observed in scat samples	Family observed in scat samples	Lifeform	Native or introduced
<i>Anthosachne scabra</i>	No	No	Yes	Grass	Native
<i>Chrysocephalum apiculatum</i>	No	No	Yes	Herb	Native
<i>Coronidium scorpioides</i>	No	No	Yes	Herb	Native
<i>Cotula alpina</i>	No	Yes	Yes	Herb	Native
<i>Dichondra repens</i>	No	No	No	Herb	Native
<i>Diplarrena moraea</i>	No	No	No	Herb	Native
<i>Epacris gunnii</i>	No	No	No	Shrub	Native
<i>Epacris petrophila</i>	No	No	No	Shrub	Native
<i>Eucalyptus amygdalina</i>	No	Yes	Yes	Tree	Native
<i>Eucalyptus dalrympleana</i>	No	Yes	Yes	Tree	Native
<i>Eucalyptus delegatensis</i>	No	Yes	Yes	Tree	Native
<i>Euchiton japonicus</i>	Yes	Yes	Yes	Herb	Native
<i>Gonocarpus micranthus</i>	Yes	Yes	Yes	Herb	Native
<i>Gonocarpus tetragynus</i>	Yes	Yes	Yes	Herb	Native
<i>Hakea microcarpa</i>	Yes	Yes	Yes	Shrub	Native
<i>Haloragis heterophylla</i>	No	No	Yes	Herb	Native
<i>Hypericum gramineum</i>	No	No	No	Herb	Native
<i>Leontodon saxatilis</i>	Yes	Yes	Yes	Herb	Introduced
<i>Leptorhynchos squamatus</i>	No	No	Yes	Herb	Native
<i>Lissanthe strigosa</i>	No	No	No	Shrub	Native
<i>Lomatia tinctoria</i>	No	No	Yes	shrub	Native
<i>Microlaena stipoides</i>	No	No	Yes	Grass	Native
<i>Montia australasica</i>	No	No	No	Herb	Native
<i>Oxalis perennans</i>	No	Yes	Yes	Herb	Native
<i>Plantago varia</i>	Yes	Yes	Yes	Herb	Native
<i>Richea procera</i>	No	No	No	Shrub	Native
<i>Solenogyne dominii</i>	No	No	Yes	Herb	Native
<i>Veronica gracilis</i>	No	No	Yes	Herb	Native
<i>Viola betonicifolia</i>	No	No	No	Herb	Native
<i>Viola hederacea</i>	No	No	No	Herb	Native

Plant species nomenclature follows de Salas and Baker (2021).

Reference

de Salas MF, Baker ML (2021) A census of the vascular plants of Tasmania, Including Macquarie Island. (Tasmanian Herbarium, Tasmanian Museum and Art Gallery: Hobart, Tas., Australia) Available at https://flora.tmag.tas.gov.au/census/2021_Census_of_Tasmanian_Vascular_Plants.pdf