



# Stony Head, Tasmania 2021: Bush Blitz expedition report



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### Contributors

Bush Blitz is coordinated by Parks Australia, which is part of the Australian Government Department of Climate Change, Energy, the Environment and Water. The program is a partnership between the Australian Government, BHP and Earthwatch Australia.

Research agencies involved in this Bush Blitz were the Tasmanian Museum and Art Gallery (TMAG), including the Tasmanian Herbarium, Queen Victoria Museum and Art Gallery (QVMAG), and the University of New South Wales.

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# Summary

Bush Blitz led an expedition to the Stony Head Military Training Area (Stony Head) in Tasmania from 15 to 24 March 2021.

A surprisingly high diversity of species was recorded for several of the target taxa. Surveys and collections filled knowledge gaps, provided important material for future taxonomic studies, and extended the known ranges of species, adding many new records for Tasmania.

Approximately 2,341 species were recorded during the Bush Blitz expedition and 45 of those may be completely new to science (4 moths, 1 beetle, 9 true bugs, 2 planthoppers, 24 spiders, 1 mollusc and 4 lichens). Many other specimens collected represent species not yet formally named. These may assist scientists to revise, compare and describe species in the future.

Five threatened fauna species were recorded (3 birds, 1 mammal and 1 frog) and 13 threatened vascular plant species.

A large number of introduced species were recorded – 40 introduced or pest animal species, 68 introduced vascular plant species and 2 introduced mosses. Their presence can be linked to the property's past and current farming use.

Highlights of the expedition include:

- the opportunity to sample insects and spiders at a unique and restricted-access location, and discovering exceptional spider diversity, including 24 putative new species
- discovering rich insect fauna living on grasstrees, including species not previously recorded in Tasmania, and outstanding orthopteran, velvet ant and true ant diversity
- recording Hooded Plover (*Thinornis cucullatus*) and White-footed Dunnart (*Sminthopsis leucopus*) for the first time at Stony Head
- adding more than 1,339 moth specimens to public collections, including several new records for Tasmania
- the first Tasmanian record of an unusual mirid bug, *Carvalhoma malcolmae*, which is in a genus not previously thought to be present in Tasmania
- finding that one of Tasmania's endemic stag beetles, *Lissotes launcestoni*, was locally abundant at Stony Head, and recording a third Tasmanian location for ground beetle, *Oodes modestus*
- very large range extensions for the coastal snails *Omegapilla australis* and *Tornatellinops jacksonensis*, the latter of which was recorded from the Tasmanian mainland for the first time
- significant new records for 7 lichen species, including a first record for Australia and a first record for the Southern Hemisphere.

# Introduction

## About Bush Blitz

The Bush Blitz program documents plants and animals in selected properties across Australia to support the discovery of new species, complement and complete existing collections, and provide information to support land management and conservation.

Bush Blitz is an initiative of the Australian Government, through Parks Australia, in partnership with BHP and Earthwatch Australia. This innovative partnership harnesses the expertise of many of Australia's top scientists from museums, herbaria, universities, and other institutions and organisations across the country.

An estimated 580,000 to 680,000 species are found in Australia (Chapman 2009), but three-quarters of this biodiversity is yet to be identified. Around 45% of continental Australia and over 90% of our marine area have never been comprehensively surveyed by scientists. Increasing our understanding of Australia's biodiversity is critical for conservation, biosecurity, agriculture, human and animal health and many other activities.

Since the Bush Blitz program began in 2010, more than 1,800 species have been discovered during Bush Blitz expeditions across Australia.

In addition to species discovery, Bush Blitz objectives include raising public awareness of biodiversity, and improving environmental, social and educational outcomes for local and Indigenous communities. While some of these objectives are met during expeditions – through Bush Blitz TeachLive, teacher workshops and community days – they are out of scope for this report.

## About this report

This report summarises the initial scientific findings of an expedition to Stony Head Military Training Area in Tasmania. Information in this report has been extracted from the [scientific reports](#) provided by expedition members. Locational data for all flora and fauna records are provided to reserve managers and are publicly available through the [Atlas of Living Australia \(ALA\)](#).

## Stony Head Bush Blitz

Bush Blitz led an expedition to Stony Head Military Training Area (Stony Head), in Tasmania, from 15 to 24 March 2021. Some scientists undertook a preliminary site visit from 2 to 4 November 2020 to scope the area for survey sites. They also took this opportunity to collect spring-flowering vascular plants and spring fauna. The November findings have been incorporated into the main expedition data.

Stony Head is located on the northern coast of Tasmania, approximately 50 km north of Launceston, between the small towns of Beechford and Lulworth. It is just under 5,500 hectares in size and is bounded to the north by Bass Strait.

Stony Head falls within the country of the North Midlands Nation. The North Midlands Nation encompasses approximately 6,750 km<sup>2</sup>, including 160 km of coastline. The nation is comprised

of 3 groups, the Leterremairrener (Port Dalrymple people), the Panninher (Norfolk Plains people), and the Tyrerrernotepanner (Stoney Creek or Campbell Town people). Two additional, although unnamed, groups are suggested to have lived around the York Town and Isis River areas (Department of Defence 2021).

The Port Dalrymple (Launceston) settlement was established in 1806. Since that time, Stony Head and its surrounding area have been used extensively for agriculture, mining and forestry. Stony Head has been used by the Australian Government Department of Defence as an artillery range since 1966 and was formally acquired as Commonwealth land in 1997. An additional block, Seaview, was purchased in 2000 to extend the property (Department of Defence, 2014; 2016).

Stony Head is part of the Flinders bioregion of Tasmania and consists of significant coastal regions and areas with gravel, sand and clay substrates. There is also a basalt fringe along the coast. The property contains a patchwork of vegetation types including dune, coastal heath and forested woodland. Most of its native vegetation remains but clearance has occurred in the west, where stock grazing occurs under a lease agreement. The vegetation is typical for northern Tasmanian coastal environs, which are characterised by the dominance of heathy *Eucalyptus amygdalina* forests and grasstree (*Xanthorrhoea*) heaths. The variation in substrate also has a strong influence on the vegetation, with obligate sandy vegetation and dry heaths dominating in the north-west, and forest and woodland cover increasing toward the higher ground in the south. Threatened vegetation communities include *Eucalyptus ovata* forests and woodlands, *Melaleuca* swamp forests and lowland *Poa* grasslands.

As Stony Head has largely been protected from significant vegetation clearing for many decades, it has retained important natural values. Its wetlands, heathlands and coastal habitats all are worthy of protection considering their high ecological value in Tasmania. Numerous threatened plant and vertebrate species are known to be present or to have suitable habitat in the area.

Stony Head has a climate suitable for the pathogen *Phytophthora cinnamomi* and the sandy soils support vegetation communities and plant species that are highly susceptible to *Phytophthora* root rot. This disease directly threatens the grasstrees and many other heathland plants, which in turn threatens many specialist insect species of these habitats. In addition, the site's significant permanent and temporary wetlands are in a high risk area for infection with Chytrid Fungus, which causes disease in frogs.

Due to its history as a military training base, some limited biological surveys have been undertaken at Stony Head. However, the wide range of habitats on the property suggested a high diversity of plant and animal species would be found.

Queen Victoria Museum and Art Gallery (QVMAG) had previously sampled insects and spiders extensively from the region surrounding Stony Head, but not from Stony Head itself. This expedition provided an opportunity to fill in a significant spatial gap for many known species, to contribute to the discovery of new species and to survey some of Tasmania's relatively intact coastal heath and woodland, little of which has been surveyed for insects. Stony Head's location adjacent to Bass Strait is of biogeographic interest because there is a possibility it may represent a coming together of species of Gondwanan origins with those that dispersed from the north during periods when there was a land bridge linking Tasmania, Flinders Island and mainland Australia. It was anticipated that the diversity of habitats within short distances of each other

would provide a wide range of species with different adaptations. Since the area had not been surveyed before, the plan was to survey all representative habitats, from beaches to dry eucalypt forest, wet eucalypt forest and dams. Sampling was late in the season after most plants had flowered, so the number of active pollinators was expected to be low. Grasstree heathland was of particular interest because its protection as a threatened plant community means it cannot always be sampled. This was an ideal opportunity to do so, although it was a little late in the season.

Stony Head had never been sampled for land snails before. It was expected that at least some native land snails would be recorded because 4 species are widespread on the northern Tasmanian coast and because the inland dry and wet forest areas were likely to have at least some other species. However, as an earlier survey of the Musselroe wind farm area had recorded only 7 native species, it was possible the diversity at Stony Head would also be low. A pre-survey view was that 10 to 12 native species would be a good result. Tasmanian dry forests tend to have lower snail diversity than wet forests and the area of wet forest available for surveying appeared limited. However it turned out there was more wet forest, and in better condition than had been expected.

In contrast to flora and invertebrates, the vertebrate fauna at Stony Head is reasonably well-known. The Department of Natural Resources and Environment Tasmania (NRE Tas), which at the time of the expedition was the Tasmanian Department of Primary Industries, Parks, Water and the Environment, conducts ongoing vertebrate surveys. Some surveys target Tasmanian Devils (*Sarcophilus harrisi*), which have been released at Stony Head. The Bush Blitz team worked alongside NRE Tas staff to undertake Tasmanian Devil surveys during the expedition. The New Holland Mouse (*Pseudomys novaehollandiae*) is another threatened species targeted in ongoing surveys, and a survey of microbats was conducted in 1998.

## Study area

The study area for this expedition was the Stony Head Military Training Area.

Map 1 shows the location of Stony Head Military Training Area on the north coast of Tasmania. Within the study area, the locations of Stony Head (bluff), Black Rock Point and the expedition base camp (also known as Scale A) are indicated. In addition, 2 coastal towns located just outside the study area are shown – Beechford to the west and Lulworth to the east.



Map 1 Locations visited, 15 to 24 March 2021



Note: For a map of collection sites see [Appendix B](#).

## Expedition team

### Logistics

Bush Blitz provided the logistical coordination and overall leadership for the expedition. The Bush Blitz team consisted of Jo Harding, Kate Gillespie and Helen Cross.

### Scientific

Tasmanian Museum and Art Gallery (TMAG), including the Tasmanian Herbarium, and Queen Victoria Museum and Art Gallery (QVMAG) were the host institutions for this Bush Blitz, providing the core group of personnel and accessioning the specimens into their collections. Experts from the University of New South Wales (UNSW) also conducted field and laboratory work. All scientists present on the expedition are included in Table 1.

### Bush Blitz TeachLive

[Bush Blitz TeachLive](#) is a collaborative program between the Bush Blitz partners and the Australian Science Teachers Association. Due to the COVID-19 pandemic, only Tasmanian teachers were invited to apply. Claire Jinnette and Jessica Walker from Earthwatch Australia coordinated the TeachLive activities for the 3 teachers – Helen Wilson (Launceston Church Grammar School), Ben Smethurst (Kingston High School) and Ruth Whelan (Sustainability Learning Centre/Lindisfarne Primary School).

Working alongside scientists, the teachers reinvigorated their love for science, generated new ideas and learned new skills to take back to their schools. Teachers taught 'live' to their classrooms via the TeachLive website and Skype sessions, taking their students on a virtual expedition and inspiring the next generation.

**Figure 1** Some members of the expedition team



Photograph: © Copyright, Bush Blitz.

# Methods

## Taxonomic groups studied and personnel

A number of taxonomic groups were selected as targets for study. Table 1 lists the groups surveyed and the personnel who undertook the fieldwork, made identifications and reported on the findings.

**Table 1 Taxonomic groups surveyed and personnel**

Group	Common name	Personnel and affiliation
Vertebrata	Vertebrates	David Hocking (TMAG) Judy Clarke (TMAG)
Insecta	Insects	Simon Grove (TMAG)
		Kirrily Moore (TMAG)
		Lynne Forster (TMAG/University of Tasmania)
		David Maynard (QVMAG)
		Simon Fearn (QVMAG)
Judy Rainbird (QVMAG)		
Lepidoptera	Moths and butterflies	Cathy Byrne (TMAG)
Heteroptera	True bugs	Arlee McMaha (UNSW)
Arachnida	Spiders	John Douglas (QVMAG)
Gastropoda	Land snails	Kevin Bonham (TMAG)
Vascular flora	Vascular plants	Matthew Baker (Tasmanian Herbarium)
		Miguel de Salas (Tasmanian Herbarium)
Bryophytes	Liverworts and mosses	Lyn Cave (Tasmanian Herbarium)
Lichens	Lichens	Gintaras Kantvilas (Tasmanian Herbarium)

Other personnel, including but not limited to Gerry Cassis (UNSW), assisted with making identifications and reporting. These personnel and their roles are mentioned in the scientific reports.

## Site selection and collection methods

All scientists surveyed 2 standard survey sites selected by Bush Blitz. Each standard survey site was centred on a point (permanently marked), but the actual area surveyed varied between taxa. Standard methodologies were used to sample these sites.

The use of standard survey sites provides a unique opportunity to examine broad-spectrum biodiversity. Among other benefits, it allows land managers to use these sites for ongoing monitoring and generates a national dataset that can be used to underpin conservation and land management decisions.

Apart from standard survey sites, site selection and collection methods were left to the discretion of the individual scientist. When selecting sites, scientists prioritised areas that had high potential for new or significant discoveries. They also considered the suitability of the site based on access, weather conditions, habitat/vegetation type, presence of species in flower,

history of disturbance and time available. Site locations were recorded using global positioning systems. Specific details about site selection and collection methods can be found in the scientific reports.

For safety reasons, military personnel had to accompany every field team. This meant that survey effort could not be evenly spread across the site, geographically or temporally. This can be important when making direct observations of animals like birds, where repeated and undisturbed site visits are required at multiple times of day to determine the range of species that routinely visit an area. Therefore, the species recorded can only be considered as positive evidence for their presence at each site. It is not possible to comment on whether undetected species might have been found in these locations with less human disturbance or at other times of the day. The military personnel were excellent guides and even made collections for scientists in areas that were considered higher risk, to help ensure an even distribution of sites across Stony Head.

## **Identification and curation**

The specimens taken were identified using the holdings of museums and herbaria and available literature (references are provided in the scientific reports).

It is likely that more of the insects could have been identified to species level if COVID-19 travel restrictions had not prevented scientists from visiting the Australian National Insect Collection (ANIC) in the months following the expedition.

Fauna specimens were deposited with TMAG and QVMAG, with duplicates of Heteroptera specimens deposited in the UNSW entomology collection. Vascular plants, bryophytes and lichens were deposited at the Tasmanian Herbarium, with limited duplicates distributed to other herbaria nationally and internationally under TMAG's formal specimen exchange program. Several vascular plant taxa were recorded only by observation due to sampling difficulties (for example, tall eucalypt trees) or lack of fertile material.

# Results

## Summary of records

Preliminary results indicate that approximately 2,341 species were recorded during the expedition, including 45 putative new species – these await formal identification. Five threatened animal species, 13 threatened plant species, 40 introduced and pest animal species and 70 introduced plant species were recorded.

Table 2 provides a summary of the flora and fauna records made on the expedition.

**Table 2 Summary of flora and fauna records**

Group	Common name	Total species recorded	Putative new species	Threatened species	Introduced and pest species
Mammalia	Mammals	9	0	1	2
Aves	Birds	60	0	3	5
Reptilia	Reptiles	6	0	0	0
Amphibia	Frogs	6	0	1	0
Hymenoptera	Ants	46	0	0	0
	Bees	18	0	0	1
	Wasps	121	0	0	0
Lepidoptera	Moths and butterflies	319	4	0	11
Trichoptera	Caddisflies	1	0	0	0
Diptera	Flies	221	0	0	3
Coleoptera	Beetles	503	1	0	7
Heteroptera	True bugs	190	9	0	4
Auchenorrhyncha	Planthoppers, froghoppers, treehoppers and cicadas	44	2	0	0
Sternorrhyncha	Aphids and psyllids	10	0	0	0
Neuroptera	Lacewings	10	0	0	0
Phasmida	Stick insects	1	0	0	0
Psocoptera	Barklice	4	0	0	0
Dermaptera	Earwigs	4	0	0	0
Mecoptera	Scorpion-flies	2	0	0	0
Orthoptera	Grasshoppers, crickets, katydids	33	0	0	0
Blattodea	Cockroaches	11	0	0	0
Odonata	Damselflies	3	0	0	0
Mantodea	Mantids	3	0	0	0
Thysanoptera	Thrips	1	0	0	1
Zygentoma	Silverfish	1	0	0	0
Arachnida	Spiders	122	24	0	0
	Scorpions	1	0	0	0

Group	Common name	Total species recorded	Putative new species	Threatened species	Introduced and pest species
Crustacea	Crabs, lobsters, shrimp	1	0	0	0
Gastropoda	Land snails and slugs	21	1	0	6
Vascular flora	Vascular plants	292	0	13	68
Bryophytes	Liverworts	17	0	0	0
	Mosses	54	0	0	2
Lichens	Lichens	206	4	0	0
<b>Total</b>		<b>2,341</b>	<b>45</b>	<b>18</b>	<b>110</b>

Note: Threatened species include those listed as threatened under the *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth) or an equivalent listing under the *Threatened Species Protection Act 1995* (Tasmania). Introduced and pest species may include species that are native to Australia.

## Species lists

Lists of all species recorded during the expedition ([Appendix A](#)) were compiled using data from participating institutions.

Species recorded but not included in Appendix A include the microbats (Vespertilionidae) and some invertebrates. Microbats were recorded across the site using an ultrasonic bat detector. This confirms their continuing presence at Stony Head; however, due to overlapping call patterns, it is not possible to confidently assign these calls to particular species. Due to the quantity of material collected, some invertebrate material, including around 100 moth and 300 spider specimens collected by TMAG, had not been examined at the time of reporting.

While some species, such as the microbats and unexamined invertebrates, could not be included in the species lists and numbers of species records, others may have been included and counted more than once. For example, true bugs were collected by several institutions and, until all specimens have been formally identified, the number of true bug species recorded is an estimate.

Some specimens were only able to be identified to family or genus level. This is partly because identification of specimens is very time-consuming, with detailed microscopic examination needed in many cases. Some groups are also ‘orphans’ – currently no experts are working on them or are available to work on them and the taxonomic literature is out of date. Species-level identification is therefore not possible for these groups.

Unidentified Bush Blitz specimens are held in institutional collections where they are available for future study. Collections hold many such specimens, among them species not yet described (that is, unnamed species) as well as described species that have not yet been identified. For example, ANIC holds tens of thousands of unidentified specimens. Specimens often wait decades before the resources become available for their study. A key component of Bush Blitz is the funding of taxonomic work on specimens collected during Bush Blitz expeditions.

Nomenclature and taxonomic concepts used in this report are consistent with the Australian Faunal Directory, Australian Plant Name Index, Australian Plant Census, AusMoss, The Catalogue of Australian Liverworts and Hornworts and the Checklist of Lichens of Australia and its Island Territories.

# Discussion

## Putative new species

Here we use the term 'putative new species' to mean an unnamed species that, as far as can be ascertained, was identified as a new species as a direct result of this Bush Blitz. A putative new species is confirmed as a new species once it is named and its description is published.

At least 45 putative new species were discovered during the expedition. Further research may reveal additional new species in the material collected.

Less than 20% of Tasmanian invertebrates have been described, so it is not surprising that many specimens could not be identified to species level. This makes it difficult to determine whether or not a species is new. However, 41 invertebrates are thought to be putative new species – 4 moths, 1 beetle, 9 true bugs, 2 planthoppers, 24 spiders and 1 snail.

## Insects

The 4 putative new species of moth belong to 3 families – Erebidae, Gelechiidae and Xyloryctidae. Neither species of Xyloryctidae could be found in comprehensive online descriptions of Australian Xyloryctidae. One is very similar to *Xylorycta micracma* but is tentatively listed here as new to science. The other, *Leistarcha* sp. TMAG\_F118192, has been collected previously by Cathy Byrne on the east coast of Tasmania but the species was not recognised as new until this Bush Blitz expedition.

Anthribidae unplaced sp. TMAG\_F114242 is a fungus weevil. Fungus weevils are a poorly known beetle group in Australia, especially small species like this one, and it is probably a new species.

All 9 putative new true bug species belong to the Miridae. This is not unexpected, given the hyperdiversity of the family worldwide and in Australia. The subfamily Phylinae is highly speciose, with many new species awaiting description, even though it has had substantial taxonomic treatment over the past 15 years. All 4 putative new phylinae species are currently unplaced to genus, and require dissection to verify their new species status. One putative new species belongs to the genus *Ommatodema*, which is under investigation by Dr Michael Schwartz (Canadian National Insect Collection) and Prof. Cassis. Only a single specimen was collected, but it appears to be different from *Ommatodema leanum*, which was also collected at Stony Head. The other 4 putative new species belong to the mirid subfamily Orthotylinae, which Prof. Cassis and his team research extensively. *Zanessa* sp. BBSH\_msp.026 is not the same species as *Z. pictulifer*, which occurs in Tasmania. The *Palassocoris* species is unlike those of the *Palassocoris* genus complex described in 2018. Both *Orthotylus* sp. BBSH\_msp.054 and *Gn\_Orthotylinae\_SH003* sp. BBSH\_msp.060 are also not attributable to described orthotyline taxa.

Figure 2 shows 2 of the putative new species of true bug.



**Figure 2 New *Ommatodema* and *Orthotylus* true bug species**



Scale bars = 1mm

Photograph: © Copyright, University of New South Wales

The 2 new species of planthopper (Delphacidae: Delphacini) were collected during sweeping of grasslands and are strikingly different to each other. A 2014 revision of Australian Delphacini listed 68 species for Australia, but only one of these is known from Tasmania and it was not collected during the Bush Blitz. Several other planthopper species appear to be new to science and will be investigated further.

### **Spiders**

QVMAG collected spider specimens representing 5 genera and 24 species that are new to science.

The jumping spiders (Salticidae) included 2 new genera and 6 new species. Prowling spiders (Miturgidae) included 1 new genus and 5 new species. Lace-web spiders (Desidae) included 1 new genus and 4 new species. Comb-footed spiders (Theridiidae) included a new genus and species. The remaining new species were distributed between families Amaurobiidae (1), Deinopidae (1), Linyphiidae (1), Lycosidae (2), Segestriidae (1) and Zodariidae (2).

Figure 3 shows one of the 24 putative new spider species found on the expedition.



**Figure 3 Putative new *Avella* spider species**



Photograph: John Douglas © Copyright, QVMAG

## **Molluscs**

A new species of snail was recognised as a result of the collections on this trip. *Tasmathera* sp. “Murphys Road” had been previously collected near the study area but was not suspected to be a putative new species until more material was collected on this expedition. The shape of its shell is different from other, mostly undescribed, *Tasmathera* species recorded nearby.

## **Lichens**

Several putative new species from the genera *Bacidia*, *Coenogonium*, *Megaloblastenia* and *Phlyctis* are among the specimens collected on this expedition.

The genus *Coenogonium* was recently revised for Tasmania, and found to consist of 7 species, including 2 endemic to Tasmania. During the expedition, a new species was found in a remnant patch of *Melaleuca ericifolia*-dominated swampy woodland. This vegetation type has been extensively cleared and is largely ignored by conservationists and ecologists, but supports many remarkable lichens, several of which are either extremely rare or are new to science.

*Coenogonium* is a largely tropical genus, with about 90 species worldwide, growing on bark, wood, bryophytes, rocks and living leaves. Although many look superficially similar, they are readily distinguished by microscopic characteristics. This one has the unique feature of dense, yellowish oil droplets in the fruiting body when examined under high magnification.

**Figure 4** The new *Coenogonium* sp.



Photograph: Jean Jarman © Copyright, Tasmanian Herbarium

*Megaloblastenia* sp. is almost certainly a new species although some molecular data would help to confirm its relationships with *M. marginiflexa*.

An additional 5 lichen taxa recorded from the property are either significant range extensions of already known taxa or they are new to science. Further investigation is required to understand their taxonomy.

## Threatened species

Approximately 92% of Australian plants, 87% of mammals, 93% of reptiles and 45% of birds are endemic (Chapman 2009). Changes to the landscape resulting from human activity have put many of these unique species at risk. Over the last 200 years, many species have gone extinct; many others are considered to be threatened – that is, at risk of extinction.

In this report, the term ‘threatened species’ refers to species listed under the EPBC Act or the *Threatened Species Protection Act 1995* (Tasmania) (TSP Act).

## Vertebrates

Both Wedge-tailed Eagles (*Aquila audax fleayi*) and White-bellied Sea-Eagles (*Haliaeetus leucogaster*) were observed flying in coastal areas across the site. Both species appeared wary of human presence, leaving the area after being sighted. One Hooded Plover (*Thinornis cucullatus*) was observed at the west end of Maitland Bay. This is apparently a new record for the area.

Tasmanian Devils were recorded throughout the site by a team from NRE Tas conducting a routine survey as part of the Save the Tasmanian Devils Program. Tasmanian Devils were also recorded around water bodies, identified from camera traps, footprints and scats. Camera traps were also set up to overlook the carcass of a dead cow which was lying in a creek bed near the property entrance. Over the course of the night at least 3 separate individual devils visited the carcass. They were seen sniffing, licking and climbing on the carcass, but clearly had difficulty breaking through the tough hide and no active feeding was observed.

Southern Bell Frogs were heard and observed in the artificial ponds constructed along Strait Road. This species seemed to be routinely colonising these new water bodies, which were constructed to hold water for firefighting. The ponds are worth preserving as habitat for this threatened species.

Table 3 lists the 5 threatened fauna species recorded during the expedition.

**Table 3 Threatened fauna species**

Family	Species	Common name	Status	Comments
Accipitridae	<i>Aquila audax fleayi</i>	Wedge-tailed Eagle	Endangered (EPBC Act & TSP Act)	Coastal
Accipitridae	<i>Haliaeetus leucogaster</i>	White-bellied Sea-Eagle	Vulnerable (TSP Act)	Coastal
Charadriidae	<i>Thinornis cucullatus</i>	Hooded Plover, Hooded Dotterel	Vulnerable (EPBC Act)	Maitland Bay beach
Dasyuridae	<i>Sarcophilus harrisi</i>	Tasmanian Devil	Endangered (EPBC Act & TSP Act)	Recorded throughout site by NRE Tas team
Hylidae	<i>Litoria raniformis</i>	Southern Bell Frog	Vulnerable (EPBC Act & TSP Act)	Seen and heard in artificial ponds along Strait Rd

Despite being previously recorded in the area, Spotted-tailed Quoll (*Dasyurus maculatus*), Eastern-barred Bandicoot (*Perameles gunnii*), Tasmanian Masked Owl (*Tyto novaehollandiae castanops*), and Striped Marsh Frog (*Limnodynastes peroni*) were not observed during the expedition. Spotted-tailed Quoll and Eastern-barred Bandicoot may have been found with a more targeted approach, using survey methods such as trapping. The same applies to the Masked Owl, although the calls of this species may yet be identified after the analysis of bird calls from the area is completed. It was probably too late in the season to audibly record the Striped Marsh Frog as this species calls during spring and summer. No records were made of the New Holland Mouse, which was not unexpected given that a recent targeted survey failed to locate this species in the area.

### Vascular plants

The 13 threatened plant species recorded during the expedition are listed in Table 4. All are listed under the TSP Act and one is also listed under the EPBC Act. Under the TSP Act, rare species are defined as those with a small population that are at risk.

**Table 4 Threatened flora species**

Family	Species	Common name	Status	Comments
Asteraceae	<i>Calocephalus lacteus</i>	Milky Beautyheads	Rare (TSP Act)	Maitland Bay; occasional
Asteraceae	<i>Xerochrysum palustre</i>	Swamp Everlasting	Vulnerable (EPBC Act & TSP Act)	Lagoon on Seaview Rd; one population consisting of thousands of plants
Cyperaceae	<i>Lepidosperma forsythii</i>	Stout Rapiersedge	Rare (TSP Act)	Strait Rd; common
Dilleniaceae	<i>Hibbertia virgata</i>	Twiggy Guineaflower	Rare (TSP Act)	Prime Meadow; uncommon
Fabaceae	<i>Glycine microphylla</i>	Small-Leaf Glycine	Vulnerable (TSP Act)	Quarry; one plant only
Gentianaceae	<i>Schenkia australis</i>	Spike Centaury	Rare (TSP Act)	2 sites at Maitland Bay; locally common
Loganiaceae	<i>Phyllangium divergens</i>	Wiry Mitrewort	Vulnerable (TSP Act)	Stony Head bluff; very common
Malvaceae	<i>Lasiopetalum baueri</i>	Slender Velvetbush	Rare (TSP Act)	Maitland Bay; occasional
Polygalaceae	<i>Comesperma defoliatum</i>	Leafless Milkwort	Rare (TSP Act)	Cross roads on Main North Rd; one plant only
Rubiaceae	<i>Asperula minima</i>	Mossy Woodruff	Rare (TSP Act)	Approx. 500 m SE of Ryans Hill summit; very common
Stylidiaceae	<i>Stylidium beaugholei</i>	Blushing Triggerplant	Rare (TSP Act)	Stony Head trail; locally very common
Stylidiaceae	<i>Stylidium despectum</i>	Small Triggerplant	Rare (TSP Act)	Cobble Cove; locally common
Stylidiaceae	<i>Stylidium perpusillum</i>	Tiny Triggerplant	Rare (TSP Act)	Stony Head trail; uncommon

## Introduced and pest species

The Australian Government Department of Defence has an obligation as a landholder, occupier and user, to monitor and manage matters of conservation significance on lands they own or lease. Invasive species can have a major impact on already vulnerable species and ecosystems, as well as economic, environmental and social impacts. The inclusion of introduced and pest species records as part of this report is designed to provide land managers with baseline information to assist with further pest management programs.

## Vertebrates

Several introduced mammal and bird species were observed in small numbers. These were all known to occur in Tasmania, and their presence was not unexpected.

Feral Cats (*Felis catus*) are likely to be the main threat to native species in the area. Tracks indicate that Feral Cats patrol the beaches at Maitland Bay and the western beach, but it seems likely they are widespread throughout Stony Head. Tracks made by native Water Rats (*Hydromys chrysogaster*) were also observed in the same area as the cat tracks. However, the Water Rat tracks were generally further down the beach, crossing back and forth into the intertidal areas, where these rodents presumably feed on washed up animal remains. The presence of Feral Cats probably has implications for the success and survival of native species like Water Rats.

Table 5 lists the introduced and pest vertebrate species recorded during the expedition.

**Table 5 Introduced and pest vertebrate species**

Family	Species	Common name	Comments
Alaudidae	<i>Alauda arvensis</i>	Eurasian Skylark	na
Alcedinidae	<i>Dacelo novaeguineae</i>	Laughing Kookaburra	Routinely sighted near base and could be heard calling most evenings and mornings
Felidae	<i>Felis catus</i>	Feral Cat	No direct observations were made; tracks were common along most beaches visited
Fringillidae	<i>Carduelis carduelis</i>	European Goldfinch	na
Fringillidae	<i>Chloris chloris</i>	European Greenfinch	na
Leporidae	<i>Oryctolagus cuniculus</i>	Rabbit	na
Sturnidae	<i>Sturnus vulgaris</i>	Common Starling	na

na Not available.

## Invertebrates

Table 6 lists 33 introduced and pest invertebrate species that were collected or observed in the study area. Their presence is to be expected given the history of disturbance of parts of the property.

**Table 6 Introduced and pest invertebrate species**

Group	Family	Species	Common name	Comments
<b>Moths and butterflies</b>	Crambidae	<i>Achyra affinalis</i>	Cotton Web Spinner	Native; very common species; agricultural pest in crops such as Alfalfa, Flax, Cotton and Sorghum; strongly migratory and specimens likely originated from mainland Australia
	Crambidae	<i>Culladia cuneiferellus</i>	na	Native; feeds on various grasses; pest in lawns and pastures
	Erebidae	<i>Pantylidia sparsa</i>	na	Native; larvae feed on Alfalfa/Lucerne
	Noctuidae	<i>Agrotis infusa</i>	Bogong Moth	Native; pest on a wide variety of agricultural crops; migratory
	Noctuidae	<i>Bathytricha truncata</i>	Sugarcane Stem Borer	Native; larvae feed on a variety of plants from family Poaceae
	Noctuidae	<i>Diarsia intermixta</i>	Chevron Cutworm	Native; caterpillar is a pest in Tasmania on turnips ( <i>Brassica rapa</i> )
	Noctuidae	<i>Persectania ewingii</i>	Southern Armyworm	Native; extremely abundant; collected and/or observed at most sites; caterpillar is an agricultural pest, causing damage to pastures and crops
	Noctuidae	<i>Proteuxoa sanguinipuncta</i>	na	Native; minor pasture pest

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	Oecophoridae	<i>Philobota productella</i>	Pasture Tunnel Moth	Native; host plants include Wheat, Barley and Rye; large numbers of caterpillars may kill the plants on which they feed
	Tortricidae	<i>Epiphyas postvittana</i>	Light Brown Apple Moth	Native; significant horticultural pest; feeds on a wide range of plants; widespread in Australia
	Tortricidae	<i>Strepsicrates ejectana</i>	Guava Bud Moth	Native; abundant, 25 specimens collected from 6 sites; pest of Guava but also feeds on <i>Leptospermum</i>
<b>Beetles</b>	Chrysomelidae	<i>Psylliodes marcida</i>	na	Maitland Bay; Sentry Point Beach; common in sand around the base of its host plant, introduced Searocket ( <i>Cakile maritima</i> ); only recently discovered in Tasmania, currently its only known region in the southern hemisphere
	Cleridae	<i>Necrobia ruficollis</i>	Red-shouldered Ham Beetle	Gully near Seaview Rd; on cow carcass; a cosmopolitan carrion-feeder
	Cleridae	<i>Necrobia rufipes</i>	Red-legged Ham Beetle	Seaview Rd; on wallaby and cow carcasses; a cosmopolitan carrion-feeder
	Curculionidae	<i>Naupactus leucoloma</i>	White-fringed Weevil	Low numbers during sampling period; common agricultural pest; introduced to Tasmania mid 1980s; South American species
	Dermestidae	<i>Dermestes maculatus</i>	Hide Beetle	Seaview Rd, hinterland of dunes; a cosmopolitan carrion-feeder, some found on wallaby carcass
	Geotrupidae	<i>Geotrupes spiniger</i>	na	North-South Rd: Spider Plains; 1 found on wallaby dung; a dung-beetle deliberately introduced from Europe
	Latridiidae	<i>Corticaria japonica</i>	na	Black Rock Point hinterland; Ryans Hill; a tiny beetle associated with moulds and fungal spores e.g. in leaf-litter; now almost cosmopolitan
	Pyrochroidae	<i>Binburum angusticollis</i>	na	New record for Tasmania; known from northern NSW and southern Queensland
<b>True bugs</b>	Coreidae	<i>Mictis profana</i>	Crusader Bug	Maitland Bay and near Black Rock Point; low numbers on <i>Acacia sophorae</i> in coastal scrub; minor pest of citrus on mainland Australia; first recorded in Tasmania in 2016
	Lygaeidae	<i>Nysius vinitor</i>	Rutherglen Bug	Found in low numbers at 3 sites; widespread across Australia and much of Tasmania; has many host plants and causes damage to crops including grain

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	Miridae	<i>Creontiades dilutus</i>	Green Mirid	Found in moderate abundance at both standard survey sites and base camp; a major cotton pest in Australia, it has many hosts and causes damage to crops including soybeans
	Rhyparochromidae	<i>Euander lacertus</i>	Strawberry Bug	Native Australian pest species
<b>Flies</b>	Lonchopterae	<i>Lonchoptera bifurcata</i>	na	SW perimeter gully; near Sentry Hut; a fly whose larvae are detritivorous in damp lawns and grasslands; European origin but now widespread in temperate regions elsewhere
	Syrphidae	<i>Eristalis tenax</i>	na	Near Sentry Hut; a hoverfly whose larvae live in organic-rich liquids including cesspits, ditches and carcasses; European origin but now widespread globally
	Tephritidae	<i>Euribia stylata</i>	na	Scale A; makes galls in flower-stems of <i>Cirsium</i> and <i>Carduus</i> thistles and was introduced to help control these weeds
<b>Bees</b>	Apidae	<i>Bombus terrestris</i>	Large Earth Bumblebee	North-South Rd, near junction with Majuba Track; introduced to Tasmania in the 1990s and now widespread across the island
<b>Thrips</b>	Thripidae	<i>Heliothrips haemorrhoidalis</i>	Greenhouse Thrips	Perimeter trail: sweeping fishbone ferns; cosmopolitan; only a pest in greenhouses
<b>Snails and slugs</b>	Agriolimacidae	<i>Deroceras invadens</i>	Chestnut Slug	Paddock on North-South Rd
	Agriolimacidae	<i>Deroceras reticulatum</i>	Grey Field Slug	Ryans East Trail
	Arionidae	<i>Arion intermedius</i>	Hedgehog Slug	Ryans East Trail
	Hygromiidae	<i>Candidula intersecta</i>	Wrinkled Snail	Maitland Bay, Black Rock Point near dam; locally common; quarantine pest in Tasmania because it was thought to be absent from the state
	Limacidae	<i>Ambigolimax waterstoni</i>	Striped Field Slug	Widespread on property; common on Quarry Rd, small numbers elsewhere
	Zonitidae	<i>Oxychilus alliarius</i>	Garlic Snail	Dunes near Seaview Rd; locally common

na Not available.

The Port Jackson Miniature Treesnail (*Tornatellinops jacksonensis*) is endemic to Australia and has been treated as native to Tasmania. Pre-European-settlement dispersal by Indigenous peoples is common in the family Achatinellidae, to which *Tornatellinops jacksonensis* belongs, and it is possible the species arrived in Tasmania by this method.

Slug specimens collected on the expedition helped with the description of a new species, *Ambigolimax waterstoni* (Hutchinson, Reise & Schlitt 2022). This species is introduced to

Australia and presumed to be originally native to North Africa. Australian specimens of this new species were previously known as *Lehmannia nyctelia*.

### Vascular plants and mosses

During the expedition, 68 species of introduced vascular plant and 2 introduced mosses (Brachytheciaceae) were recorded. These include 3 vascular plants that are declared weeds under the *Tasmanian Weed Management Act 1999* – Winged Thistle (*Carduus tenuiflorus*), Ragwort (*Senecio jacobaea*) and African Boxthorn (*Lycium ferocissimum*).

Given the history of the property, the relatively high number of naturalised, exotic vascular plants is not surprising. Large tracts of the property consist of improved pasture and, consequently, contain many species of agricultural weeds. Most of these taxa are annual and perennial herbs and grasses, and were recorded in pastures, along roadsides and fence lines within the property, and around areas of habitation. Species of most concern include isolated occurrences of Ragwort, African Boxthorn, Great Mullein (*Verbascum thapsus*), Tall Fleabane (*Erigeron sumatrensis*), Sea Wheatgrass (*Thinopyrum junceiforme*) and Marram Grass (*Calamagrostis arenaria*). These taxa would make ideal targets for eradication due to their limited population size.

Table 7 lists the 3 gazetted weeds that were recorded during the expedition.

**Table 7 Gazetted weeds**

Family	Species	Common name	Location and comments
Asteraceae	<i>Carduus tenuiflorus</i>	Winged Thistle	Seaview Lagoon; occasional; weed of agriculture and waste places
Asteraceae	<i>Senecio jacobaea</i>	Ragwort	Santa Barbara Rd; localised, single mature plant and several rosettes at this location; weed of agriculture and waste places
Solanaceae	<i>Lycium ferocissimum</i>	African Boxthorn	Seaview Lagoon; localised and occasional; agricultural and environmental weed

Table 8 lists the 65 additional weeds recorded. It is uncertain whether 3 of these species are introduced or native to Tasmania – Pale Goosefoot (*Chenopodium glaucum*), Tiny Flatsedge (*Isolepis levynsiana*) and Silverweed (*Argentina anserina*).

**Table 8 Non-gazetted weeds**

Family	Species	Common name	Location and comments
Amaryllidaceae	<i>Amaryllis belladonna</i>	na	Seaview Lagoon; Scale A; very localised and uncommon; garden escapee
Amaryllidaceae	<i>Nerine sarniensis</i>	na	Scale A; very localised and uncommon; garden escapee
Asteraceae	<i>Cirsium vulgare</i>	Spear Thistle	Quarry Rd; occasional but widespread; weed of agriculture and waste places
Asteraceae	<i>Cotula coronopifolia</i>	Water Buttons	Lagoon nr. Fothers Hill; easternmost coast on the property, off Seaview Rd; occasional but widespread; weed of wet habitats
Asteraceae	<i>Erigeron sumatrensis</i>	Tall Fleabane	Maitland Bay; quarry at end of Quarry Rd; occasional but widespread; weed of agriculture and waste places



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Family	Species	Common name	Location and comments
Asteraceae	<i>Hypochaeris radicata</i>	Rough Catsear	Classification Range Bullet Catcher; Southwestern paddocks off Seaview Rd; occasional but widespread; weed of agriculture and waste places
Asteraceae	<i>Leontodon saxatilis</i>	Hairy Hawkbit	Seaview Lagoon; Quarry Rd; Maitland Bay; occasional but widespread; weed of agriculture and waste places
Asteraceae	<i>Senecio vulgaris</i>	Groundsel	Santa Barbara Rd; occasional; weed of agriculture and waste places
Asteraceae	<i>Sonchus asper</i>	Prickly Sowthistle	Seaview Lagoon; occasional; weed of agriculture and waste places
Asteraceae	<i>Sonchus oleraceus</i>	Sow Thistle	Stony Head, NE extremity of property; occasional; weed of agriculture and waste places
Asteraceae	<i>Vellereophyton dealbatum</i>	White Cudweed	Quarry at end of Quarry Rd; Classification Range Bullet Catcher; Strait Rd; common and widespread, particularly along sides of tracks; weed of agriculture and waste places
Boraginaceae	<i>Myosotis discolor</i>	Changing Forget-me-not	Scale A; occasional weed of bare soil; weed of agriculture and waste places
Brachytheciaceae	<i>Brachythecium albicans</i>	na	Scale A; Classification Range behind bullet catcher; common; a moss; common weed in lawns and grassy areas
Brachytheciaceae	<i>Eurhynchium praelongum</i>	na	Scale A; at entrance to property; common; a moss; common weed in lawns and grassy areas
Brassicaceae	<i>Cakile maritima</i> subsp. <i>maritima</i>	Searocket	Seaview Beach; Maitland Bay; common and abundant on beach sand at high tide mark; coastal weed
Caryophyllaceae	<i>Moenchia erecta</i>	Erect Chickweed	Scale A; uncommon; weed of agriculture and waste places
Caryophyllaceae	<i>Polycarpon tetraphyllum</i>	Fourleaf Allseed	Southwestern paddocks off Seaview Rd; common on areas of disturbed soil; weed of agriculture and waste places
Chenopodiaceae	<i>Chenopodium glaucum</i>	Pale Goosefoot	Lagoon nr. Fothers Hill; Seaview Lagoon; occasional in localised populations
Chenopodiaceae	<i>Dysphania pumilio</i>	Small Crumbweed	Southwestern paddocks off Seaview Rd; common on disturbed patches of pasture; weed of agriculture and waste places
Cyperaceae	<i>Isolepis levynsiana</i>	Tiny Flatsedge	Scale A; occasional; weed of wet areas
Euphorbiaceae	<i>Euphorbia lathyris</i>	Caper Spurge	Maitland Bay; localised; weed of waste places
Euphorbiaceae	<i>Euphorbia paralias</i>	Sea Spurge	Seaview Beach; rocky beach east of Black Rock Point; Maitland Bay; common and abundant on beach sand above high tide mark, also on rocky shores; coastal weed
Euphorbiaceae	<i>Euphorbia peplus</i>	Petty Spurge	Maitland Bay; occasional but widespread; weed of agriculture and waste places
Fabaceae	<i>Trifolium arvense</i>	Haresfoot Clover	Track to Seaview Lagoon; occasional in pasture; weed of agriculture and waste places

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<b>Family</b>	<b>Species</b>	<b>Common name</b>	<b>Location and comments</b>
Fabaceae	<i>Trifolium cernuum</i>	Nodding Clover	Scale A; occasional; weed of agriculture and waste places
Fabaceae	<i>Trifolium fragiferum</i>	Strawberry Clover	Southwestern paddocks off Seaview Rd; Seaview Lagoon; common in pasture; pasture species
Gentianaceae	<i>Centaurium erythraea</i>	Common Centaury	Classification Range Bullet Catcher; Strait Rd; occasional but widespread; weed of agriculture and waste places
Gentianaceae	<i>Centaurium tenuiflorum</i>	Slender Centaury	Quarry at end of Quarry Rd; northern end of Strait Rd; occasional but widespread; weed of agriculture and waste places
Gentianaceae	<i>Geranium molle</i>	Soft Cranesbill	Track to Seaview Lagoon; occasional; weed of agriculture and waste places
Iridaceae	<i>Romulea rosea</i>	Lilac Oniongrass	Scale A; common in grassy areas; weed of agriculture and waste places
Juncaceae	<i>Juncus articulatus</i>	Jointed Rush	Cross roads on Main North Rd; localised; weed of wet habitats
Juncaceae	<i>Juncus bulbosus</i>	Bulbous Rush	Cross roads on Main North Rd; localised; weed of wet habitats
Juncaceae	<i>Juncus capitatus</i>	Capitate Rush	Scale A; occasional; weed of wet areas
Orobanchaceae	<i>Bellardia viscosa</i>	Yellow Glandweed	Prime Meadow; occasional; weed of agriculture and waste places
Plantaginaceae	<i>Kickxia elatine</i> subsp. <i>elatine</i>	Sharpleaf Toadflax	Classification Range Bullet Catcher; localised and uncommon; weed of agriculture and waste places
Plantaginaceae	<i>Plantago coronopus</i> subsp. <i>coronopus</i>	Slender Buck's-horn Plantain	Southwestern paddocks off Seaview Rd; Classification Range Bullet Catcher; bluff on western side of Maitland Bay; widespread and common; weed of agriculture, waste places and coastal areas
Poaceae	<i>Agrostis capillaris</i>	Browntop Bent	Quarry Rd; common component of pasture/grassland; weed of agriculture and waste places
Poaceae	<i>Agrostis stolonifera</i>	Creeping Bent	Seaview Lagoon; common; common amongst pasture
Poaceae	<i>Aira elegantissima</i>	Delicate Hairgrass	Quarry Rd; common component of pasture/grassland; weed of agriculture and waste places
Poaceae	<i>Aira praecox</i>	Early Hairgrass	Quarry Rd; common component of pasture/grassland; weed of agriculture and waste places
Poaceae	<i>Anthoxanthum odoratum</i>	Sweet Vernalgrass	Quarry at end of Quarry Rd; occasional; weed of agriculture and waste places
Poaceae	<i>Briza minor</i>	Lesser Quaking-grass	Scale A; occasional; weed of agriculture and waste places
Poaceae	<i>Bromus diandrus</i>	Great Brome	Seaview Lagoon, site of ruin; occasional; weed of agriculture and waste places
Poaceae	<i>Bromus hordeaceus</i>	Soft Brome	Scale A; common on areas of disturbed soil; weed of agriculture and waste places
Poaceae	<i>Calamagrostis arenaria</i>	Marram Grass	Southwestern paddocks off Seaview Rd; localised and uncommon; coastal weed

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Family	Species	Common name	Location and comments
Poaceae	<i>Cynosurus echinatus</i>	Rough Dogstail	Seaview Lagoon; Quarry Rd; occasional; weed of agriculture and waste places
Poaceae	<i>Dactylis glomerata</i>	Cocksfoot	Southwestern paddocks off Seaview Rd; common component of pasture/grassland; pasture species and weed of waste places
Poaceae	<i>Festuca rubra</i>	Red Fescue	Scale A; localised and uncommon; turf species
Poaceae	<i>Holcus lanatus</i>	Yorkshire Fog	Southwestern paddocks off Seaview Rd; tributary of Curries River at entrance to base; Quarry Rd; widespread but uncommon; weed of agriculture and waste places
Poaceae	<i>Hordeum hystrix</i>	Mediterranean Barleygrass	Seaview Lagoon; occasional; weed of agriculture and waste places
Poaceae	<i>Lagurus ovatus</i>	Harestail Grass	Seaview Lagoon; Scale A; common and abundant in localised populations; weed of agriculture and waste places in dry sandy soils
Poaceae	<i>Lolium arundinaceum</i>	Tall Fescue	Classification Range Bullet Catcher; localised and uncommon; pasture species and weed of waste places
Poaceae	<i>Lolium perenne</i>	Perennial Ryegrass	Scale A; common; pasture species and weed of waste places
Poaceae	<i>Paspalum dilatatum</i>	Paspalum	Quarry at end of Quarry Rd; uncommon; weed of agriculture and waste places
Poaceae	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	Southwestern paddocks off Seaview Rd; occasional; pasture species and weed of waste places
Poaceae	<i>Polypogon maritimus</i> var. <i>subspatheaceus</i>	Coast Beardgrass	Quarry at end of Quarry Rd; uncommon; weed of agriculture and waste places
Poaceae	<i>Sporobolus africanus</i>	Rat's-tail Grass	Scale A; common on grassy roadside verges; weed of roadsides and grasslands
Poaceae	<i>Stenotaphrum secundatum</i>	Buffalo Grass	Seaview Lagoon; localised and uncommon; turf species and weed of waste places
Poaceae	<i>Thinopyrum junceiforme</i>	Sea Wheatgrass	Seaview Beach; localised, one population only; coastal weed
Poaceae	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Quarry Rd; uncommon; weed of agriculture and waste places
Poaceae	<i>Vulpia myuros</i>	Rat's-tail Fescue	Scale A; occasional; weed of agriculture and waste places
Polygonaceae	<i>Rumex acetosella</i>	Sheep Sorrel	Southwestern paddocks off Seaview Rd; Quarry Rd; occasional; weed of agriculture and waste places
Primulaceae	<i>Lysimachia arvensis</i>	Scarlet Pimpernel	Classification Range Bullet Catcher; rocky beach east of Black Rock Point; Seaview Lagoon; widespread and common; weed of agriculture and waste places
Resedaceae	<i>Reseda luteola</i>	Weld	Classification Range Bullet Catcher; localised and uncommon; weed of agriculture and waste places

Family	Species	Common name	Location and comments
Rosaceae	<i>Argentina anserina</i>	Silverweed	Easternmost coast on the property, off Seaview Rd; abundant in localised populations
Scrophulariaceae	<i>Verbascum thapsus</i>	Great Mullein	Maitland Bay; localised and uncommon; weed of agriculture and waste places
Solanaceae	<i>Solanum nigrum</i>	Blackberry Nightshade	Southwestern paddocks off Seaview Rd; Strait Rd; widespread but uncommon; weed of agriculture and waste places

na Not available.

## Range extensions

This expedition provided scientists with a rare opportunity to sample a unique and restricted-access location. It allowed them to fill in significant spatial gaps and extend the known ranges of many species.

Although there were no known significant range extensions for vertebrates, the Hooded Plover and the White-footed Dunnart (*Sminthopsis leucopus*) appear to be first records for Stony Head.

We don't know enough about the ranges of most invertebrates to say whether or not records represent range extensions. Also, taxa that have not been identified to species level cannot be assessed for range extensions. However, Stony Head had not been previously surveyed for invertebrates, so all species represent infill distributions for many of Tasmania's widespread species, or range extensions for less commonly encountered species.

**Figure 5 Beach darkling beetle *Caedimorpha heteromera***



Photograph: Simon Grove © Copyright, TMAG

Only the most notable range extensions are listed in Table 9. Information on additional range extensions can be obtained from the scientific reports. For example, the table only includes 12 of

the 86 range extensions included in the QVMAG report. For vascular plants, bryophytes and lichens, species not previously recorded within 50 km of the survey area have been included here.

**Table 9 Range extensions**

Group	Family	Species	Comments
<b>Wasps</b>	Pompilidae	<i>Auplopus provida</i>	1750 km range extension; common species but undersampled
<b>Moths and butterflies</b>	Crambidae	<i>Calamotropha leptogrammellus</i>	New record for Tasmania; possibly a migratory species with vagrant status
	Crambidae	<i>Hednota hoplitellus</i>	Records are very uncommon in Tasmania with apparently only one other, observational record, from Binalong Bay in March 2019
	Erebidae	<i>Chiriphe dichotoma</i>	New record for Tasmania; nearest records are in Victoria
	Geometridae	<i>Chrysolarentia adornata</i>	Only one other record in TMAG collection from Meredith Range, Tasmania in 2015
	Geometridae	<i>Ectropis calida</i>	Appears to be rare with other records in Tasmania observational only
	Oenosandridae	<i>Discophlebia lucasii</i>	New record for Tasmania; nearest records are in Victoria
	Pyralidae	<i>Astrapometis saburalis</i>	Probably first record for mainland Tasmania; one record known from Flinders Island
	Xyloryctidae	<i>Copidoris dimorpha</i>	Most likely a new record for Tasmania; nearest records are in Victoria
	Xyloryctidae	<i>Xylorycta calligramma</i>	A rare species, only collected in Hobart in 1934 and 1938, until 2018 when it was collected by Cathy Byrne at Spring Bay on the east coast of Tasmania
<b>Flies</b>	Rhagionidae	<i>Spaniopsis clelandi</i>	500 km range extension; nearest known record is NSW-Victorian border
	Syrphidae	<i>Sphaerophoria macrogaster</i>	Infills the gap between the only other known Tasmanian record, at Chauncy Vale in southern Tasmania, and those on the Australian mainland, where the species is widespread
<b>Beetles</b>	Carabidae	<i>Notiobia rugosipennis</i>	First record for Tasmania; 365 km range extension; SA and Vic distribution
	Carabidae	<i>Oodes modestus</i>	92 km range extension; only other state records are Clarke Island and a site in NE Tasmania
	Cerambycidae	<i>Aphanosperma orientalis</i>	First record for Tasmania; previously only recorded from eastern seaboard; 690 km range extension
	Tenebrionidae	<i>Caedimorpha heteromera</i>	The only recent, verified record from Tasmania
	Tenebrionidae	<i>Scymena amphibia</i>	The only recent, verified record from Tasmania
<b>True bugs</b>	Mesoveliidae	<i>Mesovelia hungerfordi</i>	ID uncertain but if confirmed represents a 300 km range extension, with nearest records in Victoria
	Miridae	<i>Carvalhoma malcolmae</i>	First record for Tasmania; 550 km range extension from Victoria
	Pentatomidae	<i>Anaxilaus oliva</i>	First record for mainland Tasmania; 140 km range extension
	Rhyparochromidae	<i>Neolethaeus cf. australiensis</i>	First record for Tasmania; 390 km range extension from Victoria

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Group	Family	Species	Comments
	Thaumastocoridae	<i>Baclozygum brachypterum</i>	First record for Tasmania; 800 km range extension for the species, previously only recorded from the Australian mainland
<b>Grasshoppers and crickets</b>	Acrididae	<i>Chortoicetes terminifera</i>	Australian plague locust; widely observed and widespread, suggesting it may currently be resident in the far NE of Tasmania
	Gryllidae	<i>Lepidogryllus parvulus</i>	Detected by its call; the genus/species is relatively rarely recorded, this may be the first confirmed Tasmanian record
	Trigonidiidae	<i>Trigonidium canberrae</i>	A pygmy-cricket apparently at the southern limit of its Australian distribution, though it has also been recorded from the NW of the state
<b>Spiders</b>	Lycosidae	<i>Venator spenceri</i>	First record for Tasmania; widespread across SE mainland Australia; 380 km range extension
	Miturgidae	<i>Elassoctenus harpax</i>	First record for Tasmania; previously only known from south west WA; 2780 km range extension
	Salticiade	<i>Saitis mutans</i>	First record for Tasmania; previously only known from NSW; 980 km range extension
	Thomisidae	<i>Isala similis</i>	First record for Tasmania; previously only recorded from NSW; ~830 km range extension
<b>Crustaceans</b>	Limnadiidae	<i>Paralimnadia rivolensis</i>	A clam-shrimp; 150km from nearest known record; known from various saline and ephemeral lagoons in SE Australia; only other recent Tasmanian record is from the N of Flinders Island (150 km to NE); represents a significant infill because, although not listed as threatened, it would probably qualify for listing, at least at the state level
<b>Snails</b>	Achatinellidae	<i>Tornatellinops jacksonensis</i>	First record from Tasmanian mainland; fifth Tasmanian record; 105 km range extension
	Charopidae	<i>Tasmathera</i> sp. "Murphys Road"	Two previous records from Mt Direction area; 17 km extension
	Pupillidae	<i>Omegapilla australis</i>	First record from northern Tasmanian coast; locally common on eastern Tasmanian coast and Furneaux and Kent Group islands; 105 km range extension
	Rhytididae	<i>Tasmaphena ruga</i>	First record from northern Tasmanian coast; quite common on this expedition although numerous previous attempts to find it on the northern Tasmanian coast found none; 25 km range extension
<b>Vascular plants</b>	Amaryllidaceae	<i>Amaryllis belladonna</i>	190 km range extension; introduced species commonly associated with abandoned gardens
	Amaryllidaceae	<i>Nerine sarniensis</i>	200 km range extension; introduced species commonly associated with abandoned gardens
	Asteraceae	<i>Euchiton sphaericus</i>	55 km range extension from nearest locations Ulverstone, Goulds Country
	Asteraceae	<i>Solenogyne dominii</i>	First record from northern Tasmanian coast; 65 km range extension from Evandale
	Asteraceae	<i>Xerochrysum palustre</i>	70 km range extension from closest records at Tomahawk and Longford
	Fabaceae	<i>Trifolium cernuum</i>	60 km range extension; introduced species
	Fabaceae	<i>Trifolium fragiferum</i>	60 km range extension; introduced species
	Gentianaceae	<i>Centaurium tenuiflorum</i>	50 km range extension; introduced species

Group	Family	Species	Comments
	Hypericaceae	<i>Hypericum japonicum</i>	50 km range extension
	Poaceae	<i>Hordeum hystrix</i>	65 km range extension; introduced species
	Poaceae	<i>Pentapogon quadrifidus</i>	55 km range extension from Launceston
	Poaceae	<i>Rytidosperma geniculatum</i>	55 km range extension from Launceston
	Polygalaceae	<i>Comesperma defoliatum</i>	80 km range extension; nearest locations at Mt Cameron to east and Sisters Hills to west
	Rubiaceae	<i>Galium leiocarpum</i>	Stony Head bluff; 50 km range extension; nearest location Launceston
<b>Liverworts</b>	Frullaniaceae	<i>Frullania rostrata</i>	60 km range extension; nearest locations Wombat Plain (St Patricks River) and Strickland Gorge
<b>Mosses</b>	Brachytheciaceae	<i>Rhynchostegium tenuifolium</i>	75 km range extension; nearest location Alberton, SE of Ringarooma
	Bryaceae	<i>Rosulabryum subtomentosum</i>	85 km range extension; nearest locations St Columba Falls and Musselroe Wind Farm
	Orthotrichaceae	<i>Zygodon minutus</i>	65 km range extension; nearest location Forth
	Pottiaceae	<i>Hymenostomum sullivanii</i>	200 km range extension; this species is not well known; nearest location Maria Island
	Rhizogoniaceae	<i>Pyrrhobryum paramattense</i>	55 km range extension; nearest location Parrs Rivulet, Tonganah
	Sematophyllaceae	<i>Warburgiella macrospora</i>	130 km range extension; nearest location Viormy property, Central Highlands
<b>Lichens</b>	Caliciaceae	<i>Pseudothelomma ocellatum</i>	First record for Australia; a very widespread, opportunistic/weedy species
	Cladoniaceae	<i>Cladonia subradiata</i>	First record for Tasmania; widely distributed on the Australian mainland
	Graphidaceae	<i>Phaeographis lindigiana</i>	First record for the Tasmanian mainland; previously known from the eastern Australian mainland and Flinders Island
	Physciaceae	<i>Amandinea hypostictica</i>	First record for Tasmania, otherwise known from the Australian mainland and Kangaroo Island
	Pilocarpaceae	<i>Micarea xanthonica</i>	First record for the Southern Hemisphere; known from oceanic habitats in the temperate Northern Hemisphere
	Roccellaceae	<i>Angiactis banksiae</i>	First record for the Tasmanian mainland; a very uncommon species, previously known from coastal south-eastern and south-western Australia, and from Flinders Island
	Teloschistaceae	<i>Caloplaca gilfillaniorum</i>	First record for Tasmania; previously known only from Kangaroo Island

## Other significant findings

The expedition provided an opportunity for scientists to make other observations, and collect data and materials important for future research.

### Insects

Few, if any, other localities in Tasmania have recorded 6 species of velvet-ant (Mutillidae), and it seems possible that one or more of the 4 only partially identified species will prove to be new to science. Similarly, the list of true ants (24 species) is long by Tasmanian standards.

Moth diversity was also surprisingly rich considering collections were mainly made in autumn – the only spring specimens were collected on one night during the November 2020 preliminary visit. Surveying in the north of the state seems to often yield a significant number of new and rare records for the state, highlighting the importance of comprehensive surveys to attain a better understanding of Tasmanian biodiversity.

The rich grasstree insect fauna includes the hoverfly *Orthoprosopa grisea*, the soldierfly *Octarthria brunnipennis* and the lauxaniid fly *Paranomina longa*, all of which are uncommon in Tasmania.

Two further hoverflies – *Cyphipelta rufocyanea* (probably associated with eucalypt sappy exudates or perhaps rot-holes) and *Austalis pulchella* (associated with wetlands) are also of note for their general scarcity in Tasmania.

The record of the rarely recorded woodland lacewing *Psychobiella sordida* appears to be the only Tasmanian record in the ALA and it is the only TMAG specimen, even though it is not a new state record.

The expedition filled in the distribution of an endemic species of stag beetle *Lissotes launcestoni* (Lucanidae), known to have a restricted range.

Given that sampling took place in autumn, and the sampling period was short, a surprising number of true bug species were collected. The representation of the Miridae at Stony Head was exceptional. The second most speciose family was the parent bug family Acanthosomatidae, which has a worldwide distribution but is known to be rich in the Southern Hemisphere. Tasmania appears to be a global biodiversity hotspot for Acanthosomatidae, with up to 28 species collected at Stony Head. A detailed study of the systematics of the Tasmanian Acanthosomatidae is needed, with detailed examination of the genitalia of both sexes, and accounting for what appears to be extensive colour variation within species.

Stony Head's orthopteran fauna of 14 grasshoppers, 1 groundhopper, 3 katydids, 2 pygmy-cricket, 1 raspy-cricket, 1 log-dwelling 'cave' cricket and 2 true crickets is outstandingly rich by Tasmanian standards, and includes several species that are at the southern edge of their Australian range in the far north east of Tasmania.

Some of the range extensions and new records for Tasmania that resulted from this expedition suggest the species have a biogeographic history of dispersal to Tasmania via the Bassian land bridge. There are likely to be many more species to be found that share this biogeographic history.

## Spiders

The spider diversity encountered during the expedition was exceptional. QVMAG collected 573 spider specimens, representing 122 species. The fact that a third of the species collected were undescribed, putative new species, or could not even be confidently put into one of those categories, highlights the need for more taxonomic work on spiders.



## Molluscs

Stony Head has a fairly high diversity of coastal snails. Maitland Bay is a significant coastal snail site as 2 species are present there that are not otherwise recorded from the north coast of Tasmania. It also has a modest diversity of dry and wet forest snails.

Although the overall diversity of native snails exceeded pre-survey expectations, a number of species that might have been expected from these sorts of habitats (especially the wet forest around Ryans Hill) were not recorded. Surprising absences included the charopid genus *Bonhamaropa*, the charopid *Thryasona diemenensis*, forest-dwelling species of the charopid genus *Scelidoropa*, various dry and wet forest-dwelling members of the family Punctidae, and the rhytidid genus *Prolesophanta*. Another 2 species not recorded – the punctid *Trocholaoma parvissima* and the rhytidid *Prolesophanta dyeri* – have previously been recorded within 5 km of the survey area. It is difficult to say why there were so many absences from seemingly suitable forest types, with possible factors including environmental prehistory, recent fire history, soil quality, low average rainfall and (perhaps for punctids) dry conditions in the lead-up to the expedition.

## Vascular plants, bryophytes and lichens

Access to Stony Head provided an opportunity to record the biodiversity of an area of Tasmania that has had limited specimen-based biological sampling. A wide range of habitats were surveyed, resulting in the discovery of a high diversity of vascular plants, bryophytes and lichens. Threatened vascular plants and significant range extensions were higher than found on previous Tasmanian Bush Blitz expeditions, perhaps reflecting the land management history of only localised disturbance.

Several areas stood out in terms of their biodiversity and frequency of novel, endemic or threatened species:

- The bluffs and headlands around Stony Head proper, and the heathland just to the south, host 3 threatened annual herbs: *Stylidium beaugleholei*, *Stylidium perpusillum* and *Phyllangium divergens*, all of which have very restricted distributions in Tasmania, as well as *Comesperma defoliatum*, which is a significant range extension.
- The basalt headland on the western side of Maitland Bay hosts *Calocephalus lacteus*, *Schenkia australis* and *Lasiopetalum baueri*, as well as the seldom-seen *Selaginella gracillima*. Several lichens from this site, most notably *Angiactis banksiae*, were also new records for Tasmania.
- The northeastern-most boundary of the property hosts 2 threatened vascular plants: *Stylidium despectum* on the roadside at the end of the road, and *Lepidosperma forsythii* in open heathland and heathy woodland to the south.
- A wet gully of *Pomaderris apetala* subsp. *apetala* forest, extending south-east from the summit of Ryans Hill, hosts a particularly high diversity hot-spot for both lichens and bryophytes.
- *Melaleuca ericifolia* dense scrub along Quarry Road, approximately 1.7 km south-east of Scale A also hosts a very high diversity of cryptogams, including several new to science.
- Scale A supports a surprising variety of bryophyte species, because it has both dry exposed soil, and damp areas close to the buildings.

# Appendix A: Species lists

**Table A1 List of fauna species recorded**

Group	Family	Species	Common name
<b>Mammals</b>	Dasyuridae	<i>Sarcophilus harrisi</i> <sup>c d</sup>	Tasmanian Devil
	Dasyuridae	<i>Sminthopsis leucopus</i>	White-footed Dunnart
	Felidae	<i>Felis catus</i> <sup>b</sup>	Feral Cat
	Leporidae	<i>Oryctolagus cuniculus</i> <sup>b</sup>	Rabbit
	Macropodidae	<i>Notamacropus rufogriseus</i>	Bennett's/Red-necked Wallaby
	Macropodidae	<i>Thylogale billardieri</i>	Tasmanian Pademelon
	Muridae	<i>Hydromys chrysogaster</i>	Water Rat
	Phalangeridae	<i>Trichosurus vulpecula</i>	Common Brushtail Possum
	Vombatidae	<i>Vombatus ursinus</i>	Bare-nosed Wombat
<b>Birds</b>	Acanthizidae	<i>Acanthiza chrysorrhoa</i>	Yellow Rumped Thornbill
	Acanthizidae	<i>Acanthiza pusilla</i>	Brown Thornbill
	Acanthizidae	<i>Sericornis humilis</i>	Tasmanian Scrubwren
	Accipitridae	<i>Aquila audax fleayi</i> <sup>c d</sup>	Wedge-tailed Eagle
	Accipitridae	<i>Haliaeetus leucogaster</i> <sup>d</sup>	White-bellied Sea-Eagle
	Alaudidae	<i>Alauda arvensis</i> <sup>b</sup>	Eurasian Skylark
	Alcedinidae	<i>Dacelo novaeguineae</i> <sup>b</sup>	Laughing Kookaburra
	Anatidae	<i>Anas superciliosa</i>	Pacific Black Duck
	Anatidae	<i>Tadorna tadornoides</i>	Australian Shelduck
	Ardeidae	<i>Egretta novaehollandiae</i>	White Faced Heron
	Artamidae	<i>Artamus cyanopterus</i>	Dusky Woodswallow
	Artamidae	<i>Cracticus torquatus</i>	Grey Butcherbird
	Artamidae	<i>Gymnorhina tibicen</i>	Australian Magpie
	Artamidae	<i>Strepera versicolor</i>	Grey Currawong
	Cacatuidae	<i>Zanda funerea</i>	Yellow-tailed Black-cockatoo
	Campephagidae	<i>Coracina novaehollandiae</i>	Black Faced Cuckoo Shrike
	Charadriidae	<i>Thinornis cucullatus</i> <sup>c</sup>	Hooded Plover/Dotterel
	Charadriidae	<i>Vanellus miles</i>	Masked Lapwing
	Columbidae	<i>Phaps chalcoptera</i>	Common Bronzewing
	Corvidae	<i>Corvus tasmanicus</i>	Forest Raven
	Estrildidae	<i>Stagonopleura bella</i>	Beautiful Firetail
	Falconidae	<i>Falco berigora</i>	Brown Falcon
	Falconidae	<i>Falco longipennis</i>	Australian Hobby
	Fringillidae	<i>Carduelis carduelis</i> <sup>b</sup>	European Goldfinch

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Group	Family	Species	Common name
	Fringillidae	<i>Chloris chloris</i> <sup>b</sup>	European Greenfinch
	Haematopodidae	<i>Haematopus longirostris</i>	Pied Oystercatcher
	Hirundinidae	<i>Hirundo neoxena</i>	Welcome Swallow
	Hirundinidae	<i>Petrochelidon nigricans</i>	Tree Martin
	Laridae	<i>Chroicocephalus novaehollandiae</i>	Silver Gull
	Laridae	<i>Larus pacificus</i>	Pacific Gull
	Laridae	<i>Thalasseus bergii</i>	Crested Tern
	Maluridae	<i>Malurus cyaneus</i>	Superb Fairy Wren
	Meliphagidae	<i>Acanthorhynchus tenuirostris</i>	Eastern Spinebill
	Meliphagidae	<i>Anthochaera chrysoptera</i>	Little Wattlebird
	Meliphagidae	<i>Epthianura albifrons</i>	White Fronted Chat
	Meliphagidae	<i>Gliciphila melanops</i>	Tawny-crowned Honeyeater
	Meliphagidae	<i>Nesoptilotis flavicollis</i>	Yellow-throated Honeyeater
	Meliphagidae	<i>Phylidonyris pyrrhopterus</i>	Crescent Honeyeater
	Motacillidae	<i>Anthus novaeseelandiae</i>	Australasian Pipit
	Pachycephalidae	<i>Colluricincla harmonica</i>	Grey Shrike Thrush
	Pachycephalidae	<i>Pachycephala pectoralis</i>	Australian Golden Whistler
	Pardalotidae	<i>Pardalotus punctatus</i>	Spotted Pardalote
	Pardalotidae	<i>Pardalotus striatus</i>	Striated Pardalote
	Pelecanidae	<i>Pelecanus conspicillatus</i>	Australian Pelican
	Petroicidae	<i>Petroica boodang</i>	Scarlet Robin
	Phalacrocoracidae	<i>Microcarbo melanoleucos</i>	Little Pied Cormorant
	Phalacrocoracidae	<i>Phalacrocorax sulcirostris</i>	Little Black Cormorant
	Phalacrocoracidae	<i>Phalacrocorax carbo</i>	Great Cormorant
	Phasianidae	<i>Synoicus ypsilophora</i>	Brown Quail
	Podargidae	<i>Podargus strigoides</i>	Tawny Frogmouth
	Psittacidae	<i>Neophema chrysostoma</i>	Blue-Winged Parrot
	Psittacidae	<i>Platycercus caledonicus</i>	Green Rosella
	Rallidae	<i>Tribonyx mortierii</i>	Tasmanian Native Hen
	Rhipiduridae	<i>Rhipidura albiscapa</i>	Grey Fantail
	Spheniscidae	<i>Eudyptula minor</i>	Little Penguin
	Strigidae	<i>Ninox novaeseelandiae</i>	Morepork
	Sturnidae	<i>Sturnus vulgaris</i> <sup>b</sup>	Common Starling
	Sulidae	<i>Morus serrator</i>	Australasian Gannet
	Turdidae	<i>Zosterops lunulata</i>	Bassian Thrush
	Zosteropidae	<i>Zosterops lateralis</i>	Silveryeye
<b>Reptiles</b>	Agamidae	<i>Rankinia diemensis</i>	Mountain Dragon
	Elapidae	<i>Austrelaps superbus</i>	Copperhead

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Group	Family	Species	Common name
	Elapidae	<i>Notechis scutatus</i>	Tiger Snake
	Scincidae	<i>Acritoscincus duperryi</i>	Eastern Three Lined Skink
	Scincidae	<i>Cyclodomorphus casuarinae</i>	Tasmanian Sheoak Skink
	Scincidae	<i>Liopholis whitii</i>	White's Skink
Frogs	Hylidae	<i>Litoria ewingii</i>	Brown Tree Frog
	Hylidae	<i>Litoria raniformis</i> c d	Southern Bell Frog
	Limnodynastidae	<i>Limnodynastes dumerilii</i>	Eastern Banjo Frog
	Myobatrachidae	<i>Crinia signifera</i>	Common Eastern Froglet
	Myobatrachidae	<i>Pseudophryne semimarmorata</i>	Southern Toadlet
	Myobatrachidae	<i>Geocrinia laevis</i>	Smooth Frog
Ants	Formicidae	<i>Amblyopone australis</i>	Southern Michelin Ant
	Formicidae	<i>Anonychomyrma biconvexa</i>	na
	Formicidae	<i>Anonychomyrma itinerans</i>	na
	Formicidae	<i>Anonychomyrma nitidiceps</i>	na
	Formicidae	<i>Anonychomyrma</i> sp. BBSH_01	na
	Formicidae	<i>Austromorium</i> sp. TMAG_F11425	na
	Formicidae	<i>Camponotus claripes</i>	na
	Formicidae	<i>Camponotus consobrinus</i>	Banded Sugar Ant
	Formicidae	<i>Camponotus hartogi</i>	na
	Formicidae	<i>Camponotus</i> QVMAG sp. 1	na
	Formicidae	<i>Camponotus</i> QVMAG sp. 2	na
	Formicidae	<i>Camponotus</i> sp. BBSH_01	Na
	Formicidae	<i>Camponotus</i> sp. TMAG_F115018	na
	Formicidae	<i>Camponotus terebrans</i>	na
	Formicidae	<i>Colobopsis gasseri</i>	na
	Formicidae	Formicidae unplaced	na
	Formicidae	Formicidae unplaced sp. TMAG_F114826	na
	Formicidae	Formicidae unplaced sp. TMAG_F115925	na
	Formicidae	<i>Hypoponera scitula</i>	na
	Formicidae	<i>Iridomyrmex bicknelli</i>	na
	Formicidae	<i>Iridomyrmex calvus</i>	na
	Formicidae	<i>Iridomyrmex mattiroloi</i>	na
	Formicidae	<i>Iridomyrmex</i> QVMAG sp. 1	na
	Formicidae	<i>Iridomyrmex</i> sp. TMAG_F101247	na
	Formicidae	<i>Monomorium</i> unplaced	na
	Formicidae	<i>Myrmecia forficata</i>	Inchman
	Formicidae	<i>Myrmecia fulvipes</i>	na
	Formicidae	<i>Myrmecia pilosula</i>	Jack Jumper Ant

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Group	Family	Species	Common name
	Formicidae	<i>Myrmecia urens</i>	na
	Formicidae	<i>Myrmecorhynchus emeryi</i>	na
	Formicidae	<i>Notoncus hickmani</i>	na
	Formicidae	<i>Pheidole cf. liteae</i>	na
	Formicidae	<i>Pheidole liteae</i>	na
	Formicidae	<i>Pheidole</i> sp. BBSH_01	na
	Formicidae	<i>Pheidole tasmaniensis</i>	na
	Formicidae	<i>Pheidole</i> unplaced	na
	Formicidae	<i>Polyrhachis femorata</i>	na
	Formicidae	<i>Polyrhachis patiens</i>	na
	Formicidae	<i>Polyrhachis</i> QVMAG sp. 1	na
	Formicidae	<i>Polyrhachis</i> sp. TMAG_F95827	na
	Formicidae	<i>Prolasius</i> sp. BBSH_01	na
	Formicidae	<i>Prolasius</i> unplaced	na
	Formicidae	<i>Rhytidoponera tasmaniensis</i>	na
	Formicidae	<i>Rhytidoponera victoriae</i>	na
	Formicidae	<i>Tapinoma cf. minutum</i>	na
	Formicidae	<i>Tetramorium</i> sp. TMAG_F115050	na
<b>Bees</b>	[Order Hymenoptera]	Apocrita non-Aculeata unplaced	na
	[Order Hymenoptera]	Apocrita non-Aculeata unplaced sp. TMAG_F112711	na
	[Order Hymenoptera]	Apoidea unplaced	na
	Apidae	<i>Bombus terrestris</i> <sup>b</sup>	Large Earth Bumblebee
	Apidae	<i>Exoneura bicolor</i>	na
	Apidae	<i>Exoneura</i> QVMAG sp. 1	na
	Apidae	<i>Exoneura</i> unplaced	na
	Colletidae	<i>Callomelitta</i> sp. TMAG_F3998	na
	Colletidae	Colletidae QVMAG sp. 1	na
	Colletidae	Colletidae QVMAG sp. 2	na
	Colletidae	Colletidae unplaced	na
	Colletidae	<i>Leioproctus</i> sp. TMAG_F97230	na
	Halictidae	Halictidae unplaced	na
	Halictidae	<i>Lasioglossum</i> QVMAG sp. 1	na
	Halictidae	<i>Lasioglossum</i> QVMAG sp. 2	na
	Halictidae	<i>Lasioglossum</i> QVMAG sp. 3	na
	Halictidae	<i>Lasioglossum</i> QVMAG sp. 4	na
	Halictidae	<i>Lasioglossum</i> QVMAG sp. 5	na
<b>Wasps</b>	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 1	na

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Group	Family	Species	Common name
	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 2	na
	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 3	na
	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 4	na
	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 5	na
	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 6	na
	[Order Hymenoptera]	Hymenoptera unplaced QVMAG 7	na
	Bethylidae	Bethylidae unplaced	na
	Bethylidae	<i>Eupsenella</i> QVMAG sp. 1	na
	Braconidae	Braconidae QVMAG sp. 1	na
	Braconidae	Braconidae QVMAG sp. 2	na
	Braconidae	Braconidae QVMAG sp. 3	na
	Braconidae	Braconidae QVMAG sp. 4	na
	Braconidae	Braconidae QVMAG sp. 5	na
	Braconidae	Braconidae unplaced	na
	Braconidae	Braconidae unplaced sp. TMAG_F114080	na
	Braconidae	Braconidae unplaced sp. TMAG_F114263	na
	Braconidae	Braconidae unplaced sp. TMAG_F114273	na
	Braconidae	Braconidae unplaced sp. TMAG_F114600	na
	Braconidae	Braconidae unplaced sp. TMAG_F114607	na
	Braconidae	Braconidae unplaced sp. TMAG_F114727	na
	Braconidae	Braconidae unplaced sp. TMAG_F114728	na
	Braconidae	Braconidae unplaced sp. TMAG_F115756	na
	Braconidae	Braconinae unplaced sp. TMAG_F94569	na
	Braconidae	Braconinae unplaced sp. TMAG_F96726	na
	Chalcididae	<i>Antrocephalus</i> sp. BBSH_01	na
	Chalcididae	<i>Brachymeria</i> QVMAG sp. 1	na
	Chalcididae	<i>Brachymeria</i> QVMAG sp. 2	na
	Chalcididae	<i>Brachymeria</i> sp. BBSH_01	na
	Chalcididae	Chalcididae QVMAG sp. 1	na
	Chalcididae	Chalcididae unplaced sp. TMAG_F97623	na
	Chrysididae	Cleptinae unplaced sp. TMAG_F114823	na
	Crabronidae	<i>Bembix furcata</i>	na
	Crabronidae	<i>Pison westwoodii</i>	na
	Crabronidae	<i>Rhopalum</i> sp. TMAG_F102407	na
	Crabronidae	<i>Tachysphex</i> QVMAG sp. 1	na
	Crabronidae	<i>Tachysphex</i> QVMAG sp. 2	na

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Group	Family	Species	Common name
	Crabronidae	<i>Tachysphex</i> unplaced	na
	Dryinidae	<i>Dryinus</i> QVMAG sp. 1	na
	Eucharitidae	Eucharitidae QVMAG sp. 1	na
	Evaniidae	<i>Acanthinevania</i> sp. TMAG_F100787	na
	Gasteruptiidae	<i>Pseudofoenus spinitarsis</i>	na
	Ichneumonidae	Campopleginae unplaced sp. TMAG_F115845	na
	Ichneumonidae	Cryptinae unplaced sp. TMAG_F47661	na
	Ichneumonidae	Cryptinae unplaced sp. TMAG_F47672	na
	Ichneumonidae	<i>Echthromorpha intricatoria</i>	Cream-spotted Ichneumon
	Ichneumonidae	<i>Heteropelma scaposum</i>	Two-toned Caterpillar Parasite Wasp
	Ichneumonidae	<i>Ichneumon promissorius</i>	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 1	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 2	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 3	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 4	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 5	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 6	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 7	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 8	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 9	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 10	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 11	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 12	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 13	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 14	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 15	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 16	na
	Ichneumonidae	Ichneumonidae QVMAG sp. 17	na
	Ichneumonidae	Ichneumonidae unplaced	na
	Ichneumonidae	Ichneumonidae unplaced sp. TMAG_F114288	na
	Ichneumonidae	Ichneumonidae unplaced sp. TMAG_F115688	na
	Ichneumonidae	Ichneumonidae unplaced sp. TMAG_F71974	na
	Ichneumonidae	<i>Labium</i> QVMAG sp. 1	na
	Ichneumonidae	<i>Lissopimpla excelsa</i>	Orchid Dupe Wasp
	Ichneumonidae	<i>Netelia</i> unplaced	na
	Ichneumonidae	<i>Theronia maculosa</i>	na
	Ichneumonidae	<i>Theronia</i> QVMAG sp. 1	na
	Ichneumonidae	<i>Trichomma</i> QVMAG sp. 1	na

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Group	Family	Species	Common name
	Ichneumonidae	<i>Trichomma</i> QVMAG sp. 2	na
	Ichneumonidae	<i>Trichomma</i> QVMAG sp. 3	na
	Ichneumonidae	<i>Xanthocryptus</i> QVMAG sp. 1	na
	Ichneumonidae	<i>Xanthopimpla</i> QVMAG sp. 1	na
	Mutillidae	<i>Ephutomorpha amoenula</i>	na
	Mutillidae	<i>Ephutomorpha cordatiformis</i>	na
	Mutillidae	<i>Ephutomorpha lateralis</i>	na
	Mutillidae	<i>Ephutomorpha subcristata</i>	na
	Mutillidae	Mutillidae unplaced sp. TMAG_F114929	na
	Mutillidae	Mutillidae unplaced sp. TMAG_F114987	na
	Mutillidae	Mutillidae unplaced sp. TMAG_F115032	na
	Mutillidae	Mutillidae unplaced sp. TMAG_F115033	na
	Pompilidae	<i>Auplopus provida</i>	na
	Pompilidae	<i>Ctenostegus</i> unplaced	na
	Pompilidae	Pompilidae QVMAG sp. 1	na
	Pompilidae	Pompilidae QVMAG sp. 2	na
	Pompilidae	Pompilidae QVMAG sp. 3	na
	Pompilidae	Pompilidae QVMAG sp. 4	na
	Pompilidae	Pompilidae QVMAG sp. 5	na
	Pompilidae	Pompilidae unplaced sp. TMAG_F115028	na
	Pompilidae	Pompilidae unplaced sp. TMAG_F115034	na
	Pompilidae	<i>Sphictostethus</i> unplaced	na
	Pompilidae	<i>Turneromyia</i> unplaced	na
	Sphecidae	<i>Podalonia tydei</i>	na
	Tiphiidae	<i>Aeolothynnus westwoodi</i>	na
	Tiphiidae	<i>Catocheilus apterus</i>	na
	Tiphiidae	<i>Diamma bicolor</i>	na
	Tiphiidae	<i>Eirone lucida</i>	na
	Tiphiidae	<i>Tachynomyia abdominalis</i>	na
	Tiphiidae	Thynninae QVMAG sp. 1	na
	Tiphiidae	Thynninae QVMAG sp. 2	na
	Tiphiidae	Thynninae QVMAG sp. 3	na
	Tiphiidae	Thynninae unplaced	na
	Tiphiidae	Thynninae unplaced sp. TMAG_F114264	na
	Tiphiidae	Thynninae unplaced sp. TMAG_F114998	na
	Tiphiidae	Thynninae unplaced sp. TMAG_F115699	na
	Tiphiidae	Thynninae unplaced sp. TMAG_F96405	na
	Tiphiidae	<i>Thynnoides mesopleuralis</i>	na
	Tiphiidae	<i>Thynnus zonatus</i>	na
	Tiphiidae	Tiphiidae QVMAG sp. 1	na



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Group	Family	Species	Common name
	Tiphiidae	Tiphiidae QVMAG sp. 2	na
	Tiphiidae	Tiphiidae QVMAG sp. 3	na
	Torymidae	Torymidae QVMAG sp. 1	na
	Vespidae	<i>Paralastor</i> QVMAG sp. 1	na
	Vespidae	<i>Paralastor</i> unplaced	na
	Vespidae	<i>Vespula germanica</i>	na
<b>Moths and butterflies</b>	Anthelidae	<i>Anthela ferruginosa</i>	na
	Anthelidae	<i>Anthela protocentra</i>	na
	Anthelidae	<i>Pterolocera amplicornis</i>	na
	Anthelidae	<i>Pterolocera</i> QVMAG sp. 1	na
	Anthelidae	<i>Pterolocera</i> sp. TMAG_F8027	na
	Carposinidae	<i>Carposina latebrosa</i>	na
	Carposinidae	<i>Carposina tanaoptera</i>	na
	Cosmopterigidae	Cosmopterigidae unplaced sp. TMAG_F120547	na
	Cosmopterigidae	Cosmopterigidae unplaced sp. TMAG_F120552	na
	Cosmopterigidae	Cosmopterigidae unplaced sp. TMAG_F120559	na
	Cosmopterigidae	Cosmopterigidae unplaced sp. TMAG_F120563	na
	Cosmopterigidae	<i>Macrobathra nephelomorpha</i>	na
	Cossidae	<i>Idioses littleri</i>	na
	Crambidae	<i>Achyra affinitalis</i> <sup>b</sup>	Cotton Web Spinner
	Crambidae	<i>Calamotropha leptogrammellus</i>	na
	Crambidae	<i>Corynophora lativittalis</i>	na
	Crambidae	<i>Culladia cuneiferellus</i> <sup>b</sup>	na
	Crambidae	<i>Eclipsiodes</i> unplaced	na
	Crambidae	<i>Eudonia cleodoralis</i>	na
	Crambidae	<i>Hednota acantophora</i>	na
	Crambidae	<i>Hednota</i> ANIC sp. 08	na
	Crambidae	<i>Hednota bivittella</i>	na
	Crambidae	<i>Hednota grammellus</i>	na
	Crambidae	<i>Hednota hoplitellus</i>	na
	Crambidae	<i>Hednota megalarcha</i>	na
	Crambidae	<i>Hednota pedionoma</i>	na
	Crambidae	<i>Hednota relatalis</i>	na
	Crambidae	<i>Hygraula nitens</i>	na
	Crambidae	<i>Metasia capnochroa</i>	na
	Crambidae	<i>Musotima ochropteralis</i>	na
	Crambidae	<i>Nechilo macrogona</i>	na
	Crambidae	<i>Parapoynx euryscia</i>	na
Crambidae	<i>Ptochostola microphaeellus</i>	na	
Crambidae	Pyraustinae unplaced	na	

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	Crambidae	<i>Scoparia anaplecta</i>	na
	Crambidae	<i>Scoparia exhibitalis</i>	na
	Crambidae	<i>Scoparia ochrophara</i>	na
	Crambidae	<i>Scoparia oxygona</i>	na
	Crambidae	<i>Scoparia plagiotis</i>	na
	Crambidae	<i>Scoparia spelaea</i>	na
	Crambidae	Scopariinae unplaced	na
	Crambidae	<i>Tawhitia pentadactylus</i>	na
	Crambidae	<i>Tipanaea patulella</i>	White Rush Moth
	Crambidae	<i>Uresiphita ornithopteralis</i>	Tree Lucerne Moth
	Depressariidae	<i>Eutorna eurygramma</i>	na
	Depressariidae	<i>Eutorna</i> sp. TMAG_F120625	na
	Depressariidae	<i>Pedois lewinella</i>	na
	Erebidae	<i>Acyphas semiochrea</i>	Omnivorous Tussock Moth
	Erebidae	<i>Aloa marginata</i>	na
	Erebidae	<i>Ardices glatignyi</i>	Black and White Tiger Moth
	Erebidae	<i>Asura cervicalis</i>	na
	Erebidae	<i>Castulo doubledayi</i>	Doubleday's Footman
	Erebidae	<i>Chiriphe dichotoma</i>	na
	Erebidae	<i>Dasypodia selenophora</i>	Southern Old Lady Moth
	Erebidae	<i>Epicyrtica lichenophora</i>	na
	Erebidae	<i>Halone sejuncta</i>	na
	Erebidae	Lithosiini unplaced sp. TMAG_F120587	na
	Erebidae	Lithosiini unplaced sp. TMAG_F120588	na
	Erebidae	Lithosiini unplaced sp. TMAG_F120599	na
	Erebidae	<i>Palaeosia bicosta</i>	na
	Erebidae	<i>Palaeosia</i> sp. (1)	na
	Erebidae	<i>Pantydia sparsa</i> <sup>b</sup>	na
	Erebidae	<i>Phaeophlebosia furcifera</i>	na
	Erebidae	<i>Philenora</i> nr sp. TMAG_F108002 <sup>a</sup>	na
	Erebidae	<i>Praxis edwardsii</i>	na
	Erebidae	<i>Rhapsa suscitatalis</i>	na
	Erebidae	<i>Scoliacma</i> sp. TMAG_F030233	na
	Erebidae	<i>Scoliacma</i> sp. TMAG_F030235	na
	Erebidae	<i>Thallarcha jocularis</i>	na
	Erebidae	<i>Utetheisa pulchelloides</i>	Heliotrope Moth
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120564	na
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120565	na

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Group	Family	Species	Common name
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120569	na
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120570	na
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120571	na
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120572	na
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120573	na
	Gelechiidae	Gelechiidae unplaced sp. TMAG_F120574	na
	Gelechiidae	<i>Pycnobathra</i> sp. TMAG_F120546 <sup>a</sup>	na
	Geometridae	<i>Amelora leucaniata</i>	na
	Geometridae	<i>Amelora zophopasta</i>	na
	Geometridae	<i>Anachloris subochraria</i>	na
	Geometridae	<i>Anachloris uncinata</i>	na
	Geometridae	<i>Androchela milvaria</i>	na
	Geometridae	<i>Androchela newmannaria</i>	na
	Geometridae	<i>Authaemon stenonipha</i>	na
	Geometridae	<i>Casbia farinalis</i>	na
	Geometridae	<i>Casbia melanops</i>	na
	Geometridae	<i>Cassythaphaga macarta</i>	na
	Geometridae	<i>Chlenias auctaria</i>	na
	Geometridae	<i>Chlenias</i> QVMAG sp. 1	na
	Geometridae	<i>Chloroclystis filata</i>	na
	Geometridae	<i>Chlorocoma assimilis</i>	na
	Geometridae	<i>Chlorocoma cadmaria</i>	na
	Geometridae	<i>Chlorocoma carenaria</i>	na
	Geometridae	<i>Chlorocoma externa</i>	na
	Geometridae	<i>Chlorocoma vertumnaria</i>	na
	Geometridae	<i>Chlorodes boisduvalaria</i>	na
	Geometridae	<i>Chrysolarentia adornata</i>	na
	Geometridae	<i>Chrysolarentia mecynata</i>	na
	Geometridae	<i>Chrysolarentia</i> QVMAG sp. 1	na
	Geometridae	<i>Chrysolarentia vicissata</i>	na
	Geometridae	<i>Crypsiphona oculataria</i>	Red-lined Geometrid
	Geometridae	<i>Crypsiphona tasmanica</i>	na
	Geometridae	<i>Cyneoterpna wilsoni</i>	na
	Geometridae	<i>Dichromodes ainaria</i>	na
	Geometridae	<i>Dichromodes confluaria</i>	na
	Geometridae	<i>Dichromodes euscia</i>	na
	Geometridae	<i>Dichromodes stilbiata</i>	na
	Geometridae	<i>Didymoctenia exsuperata</i>	na
	Geometridae	<i>Dissomorphia australiaria</i>	na
	Geometridae	<i>Dysbatus stenodesma</i>	na

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	Geometridae	<i>Ectropis calida</i>	na
	Geometridae	<i>Ectropis excursaria</i>	na
	Geometridae	Ennominae unplaced <i>tetramera</i>	na
	Geometridae	<i>Epidesmia hypenaria</i>	na
	Geometridae	<i>Epyaxa centroneura</i>	na
	Geometridae	<i>Epyaxa epia</i>	na
	Geometridae	<i>Epyaxa subidaria</i>	na
	Geometridae	<i>Eucyclodes insperata</i>	na
	Geometridae	<i>Euloxia meandraria</i>	na
	Geometridae	<i>Fisera dictyodes</i>	na
	Geometridae	<i>Furcatrox furneauxi</i>	na
	Geometridae	<i>Gastrinodes bitaenaria</i>	Buff Bark Moth
	Geometridae	Geometrinae unplaced <i>melanoglypta</i>	na
	Geometridae	Hydriomenini unplaced nr <i>severata</i>	na
	Geometridae	Hydriomenini unplaced <i>severata</i>	na
	Geometridae	Hydriomenini unplaced <i>trygodes</i>	na
	Geometridae	<i>Hypobapta percomptaria</i>	na
	Geometridae	<i>Idea costaria</i>	na
	Geometridae	<i>Idea inversata</i>	na
	Geometridae	<i>Idiodes apicata</i>	na
	Geometridae	Lithinini unplaced <i>ada</i>	na
	Geometridae	Lithinini unplaced <i>biplaga</i>	na
	Geometridae	<i>Melanodes anthracitaria</i>	na
	Geometridae	<i>Melitulias glandulata</i>	na
	Geometridae	<i>Microdes diplodonta</i>	na
	Geometridae	<i>Microdes villosata</i>	na
	Geometridae	<i>Mictodoca toxenta</i>	na
	Geometridae	<i>Mixochroa gratiosata</i>	na
	Geometridae	<i>Mnesampela comarcha</i>	na
	Geometridae	<i>Monoctenia falernaria</i>	Patched Leaf Moth
	Geometridae	<i>Niceteria macrocosma</i>	na
	Geometridae	<i>Nisista serrata</i>	na
	Geometridae	<i>Onycodes traumataria</i>	na
	Geometridae	<i>Palleopa innotata</i>	na
	Geometridae	<i>Paralaea taggorum</i>	na
	Geometridae	<i>Phelotis cognata</i>	na
	Geometridae	<i>Plesanemma fucata</i>	Lemon Gum Moth
	Geometridae	<i>Poecilasthena anthodes</i>	na
	Geometridae	<i>Poecilasthena fragilis</i>	na
	Geometridae	<i>Poecilasthena pulchraria</i>	na

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	Geometridae	<i>Prasinocyma semicrocea</i>	na
	Geometridae	<i>Psilosticha pristis</i>	na
	Geometridae	<i>Rhynchopsota delogramma</i>	Radiating Geometrid
	Geometridae	<i>Scioglyptis lyciaria</i>	na
	Geometridae	<i>Scioglyptis</i> sp. CB01	na
	Geometridae	<i>Scioglyptis</i> sp. CB02	na
	Geometridae	<i>Scopula optivata</i>	na
	Geometridae	<i>Scopula perlata</i>	na
	Geometridae	<i>Scopula rubraria</i>	na
	Geometridae	<i>Stibaroma melanotoxa</i>	na
	Geometridae	<i>Syneora cheleuta</i>	na
	Geometridae	<i>Syneora mundifera</i>	na
	Geometridae	<i>Taxeotis intextata</i>	na
	Geometridae	<i>Thalaina inscripta</i>	na
	Geometridae	<i>Thalaina selenaea</i>	na
	Geometridae	Unplaced <i>biplaga</i>	na
	Geometridae	Unplaced <i>leucophanes</i>	na
	Geometridae	<i>Xanthorhoe vacuaria</i>	na
	Glyphipterigidae	Glyphipterix unplaced	na
	Gracillariidae	<i>Acrocercops laciniella</i>	na
	Hepialidae	<i>Abantiades hyalinatus</i>	na
	Hepialidae	<i>Abantiades labyrinthicus</i>	na
	Hepialidae	<i>Abantiades latipennis</i>	na
	Hepialidae	<i>Abantiades mcquillani</i>	na
	Hepialidae	<i>Fraus nanus</i>	na
	Hepialidae	<i>Fraus simulans</i>	Lesser Ghost Moth
	Hepialidae	<i>Fraus</i> unplaced	na
	Hesperiidae	<i>Trapezites luteus</i>	na
	Hypertrophidae	<i>Eupselia</i> QVMAG sp. 1	na
	Hypertrophidae	<i>Thudaca obliquella</i>	na
	Lasiocampidae	<i>Entometa apicalis</i>	na
	Lasiocampidae	<i>Entometa fervens</i>	Gum Snout Moth
	Lasiocampidae	<i>Paraguda nasuta</i>	Wattle Snout Moth
	Lasiocampidae	<i>Pararguda nana</i>	na
	Lasiocampidae	<i>Pararguda nasuta</i>	na
	Lasiocampidae	<i>Pararguda rufescens</i>	na
	Lasiocampidae	<i>Porela albifinis</i>	na
	Lasiocampidae	<i>Porela subfasciata</i>	Fasciated Porela
	Lecithoceridae	<i>Crocantbes glycina</i>	na

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	Lycaenidae	<i>Theclinesstes serpentatus</i>	Chequered Blue, Salt-bush Blue
	Lycaenidae	<i>Zizina otis labradus</i>	Common Grass-blue, Grass Blue
	Noctuidae	" <i>Neumichtis</i> DPILH <i>aplectoides</i> "	na
	Noctuidae	Acronictinae unplaced sp. TMAG_F120549	na
	Noctuidae	<i>Agrotis infusa</i> <sup>b</sup>	Bogong Moth
	Noctuidae	<i>Agrotis porphyricollis</i>	na
	Noctuidae	<i>Athetis tenuis</i>	na
	Noctuidae	<i>Bathytricha truncata</i> <sup>b</sup>	Sugarcane Stem Borer
	Noctuidae	<i>Chasmina pulchra</i>	na
	Noctuidae	<i>Ctenoplusia albostriata</i>	na
	Noctuidae	<i>Dasygaster melambaphes</i>	na
	Noctuidae	<i>Diarsia intermixta</i> <sup>b</sup>	Chevron Cutworm
	Noctuidae	<i>Ectopatria</i> unplaced	na
	Noctuidae	Hadenini unplaced species inquirenda <i>exarans</i>	na
	Noctuidae	Hadenini unplaced species inquirenda <i>ligniplena</i>	na
	Noctuidae	<i>Neumichtis spumigera</i>	na
	Noctuidae	<i>Persectania ewingii</i> <sup>b</sup>	Southern Armyworm
	Noctuidae	<i>Proteuxoa atra</i>	na
	Noctuidae	<i>Proteuxoa bistrigula</i>	na
	Noctuidae	<i>Proteuxoa cinereicollis</i>	na
	Noctuidae	<i>Proteuxoa cyanoloma</i>	na
	Noctuidae	<i>Proteuxoa hydraecioides</i>	na
	Noctuidae	<i>Proteuxoa melanographa</i>	na
	Noctuidae	<i>Proteuxoa sanguinipuncta</i> <sup>b</sup>	na
	Noctuidae	<i>Proteuxoa senta</i>	na
	Noctuidae	<i>Proteuxoa tibiata</i>	na
	Noctuidae	<i>Proteuxoa tortisigna</i>	na
	Noctuidae	<i>Thoracolopha</i> sp. nr <i>flexirena</i>	na
	Nolidae	<i>Elesma subglauca</i>	na
	Nolidae	<i>Nola</i> sp. TMAG_F019926	na
	Nolidae	<i>Nola</i> sp. TMAG_F029902	na
	Nolidae	<i>Nola</i> sp. TMAG_F030604	na
	Nolidae	<i>Nola</i> sp. TMAG_F099662	na
	Nolidae	<i>Uraba lugens</i>	na
	Notodontidae	<i>Aglaosoma periblepta</i>	na
	Notodontidae	<i>Epicoma melanospila</i>	na
	Notodontidae	<i>Gallaba eugraphes</i>	na
	Notodontidae	<i>Gallaba ochropepla</i>	na

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Group	Family	Species	Common name
	Notodontidae	<i>Hobartina amblyiodes</i>	na
	Notodontidae	Notodontidae unplaced sp. (1)	na
	Notodontidae	<i>Phaeophlebosia furcifera</i>	na
	Nymphalidae	<i>Heteronympha merope</i>	Common Brown
	Nymphalidae	<i>Heteronympha penelope</i>	Shouldered Brown
	Oecophoridae	<i>Agriophara dyscapna</i>	na
	Oecophoridae	<i>Agriophara platyscia</i>	na
	Oecophoridae	<i>Agriophara</i> sp. TMAG_F120582	na
	Oecophoridae	<i>Archaereta dorsivittella</i>	na
	Oecophoridae	<i>Cosmaresta charaxias</i>	na
	Oecophoridae	<i>Euchaetis parthenopa</i>	na
	Oecophoridae	<i>Garrha demotica</i>	na
	Oecophoridae	<i>Garrha leucerythra</i>	na
	Oecophoridae	<i>Garrha miltopsara</i>	na
	Oecophoridae	<i>Garrha pudica</i>	na
	Oecophoridae	<i>Garrha</i> sp. TMAG_F120585	na
	Oecophoridae	<i>Garrha</i> sp. TMAG_F120612	na
	Oecophoridae	<i>Garrha</i> unplaced	na
	Oecophoridae	<i>Guestia</i> unplaced	na
	Oecophoridae	<i>Idiodes apicata</i>	na
	Oecophoridae	<i>Oxythecta hieroglyphica</i>	na
	Oecophoridae	<i>Oxythecta nephelona</i>	na
	Oecophoridae	<i>Oxythecta</i> sp. TMAG_F120624	na
	Oecophoridae	<i>Pellopsis aerodes</i>	na
	Oecophoridae	<i>Philobota ?olympias</i>	na
	Oecophoridae	<i>Philobota argotoxa</i>	na
	Oecophoridae	<i>Philobota productella</i> <sup>b</sup>	Pasture Tunnel Moth
	Oecophoridae	<i>Philobota</i> sp. TMAG_F120598	na
	Oecophoridae	<i>Scatochresis episema</i>	na
	Oecophoridae	<i>Scieropepla polyxesta</i>	na
	Oecophoridae	<i>Stathmopoda melanochra</i>	na
	Oecophoridae	<i>Telanepsia</i> sp. TMAG_F120618	na
	Oecophoridae	<i>Telanepsia</i> sp. TMAG_F120621	na
	Oecophoridae	<i>Wingia aurata</i>	na
	Oecophoridae	<i>Zonopetala quadripustulella</i>	na
	Oenosandridae	<i>Discophlebia lucasii</i>	na
	Oenosandridae	<i>Oenosandra boisduvalii</i>	na
	Psychidae	<i>Cebysa leucotelus</i>	na
	Psychidae	<i>Lepidoscia characota</i>	na
	Psychidae	<i>Lepidoscia</i> QVMAG sp. 1	na

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Group	Family	Species	Common name
	Psychidae	<i>Lepidoscia</i> QVMAG sp. 2	na
	Psychidae	<i>Lepidoscia</i> sp. TMAG_F120499	na
	Psychidae	<i>Lepidoscia</i> sp. TMAG_F120502	na
	Psychidae	<i>Lepidoscia</i> sp. TMAG_F120507	na
	Pyralidae	<i>Astrapometis saburalis</i>	na
	Pyralidae	<i>Crocydopora cinigerella</i>	na
	Pyralidae	<i>Cryptoblabes</i> unplaced	na
	Pyralidae	<i>Endotricha</i> unplaced	na
	Pyralidae	<i>Faveria tritalis</i>	na
	Pyralidae	<i>Mimaglossa crypserythra</i>	na
	Pyralidae	<i>Ocrasa albidalis</i>	na
	Pyralidae	<i>Orthaga thyrissalis</i>	na
	Pyralidae	<i>Patagoniodes farinaria</i>	na
	Pyralidae	<i>Salma marmorea</i>	na
	Pyralidae	<i>Stericta bryomima</i>	na
	Pyralidae	<i>Stericta carbonalis</i>	na
	Saturniidae	<i>Opodiphthera helena</i>	na
	Sphingidae	<i>Hippotion scrofa</i>	Coprosma Hawkmoth
	Tineidae	<i>Mesopherna</i> unplaced	na
	Tineidae	<i>Mimoscopa ochetaula</i>	na
	Tineidae	<i>Moerarchis australasiella</i>	na
	Tineidae	<i>Niditinea fuscella</i>	na
	Tineidae	<i>Opogona stenocraspeda</i>	na
	Tineidae	<i>Opogona</i> unplaced	na
	Tortricidae	<i>Acropolitis ergophora</i>	na
	Tortricidae	<i>Acropolitis ptychosema</i>	na
	Tortricidae	<i>Acropolitis</i> unplaced	na
	Tortricidae	<i>Ancylis synomotis</i>	na
	Tortricidae	<i>Capua</i> sp. TMAG_F058299	na
	Tortricidae	<i>Constrictana constrictana</i>	na
	Tortricidae	<i>Epiphyas ashworthana</i>	na
	Tortricidae	<i>Epiphyas postvittana</i> <sup>b</sup>	Light Brown Apple Moth
	Tortricidae	<i>Epitymbia scotinopa</i>	na
	Tortricidae	<i>Epitymbiini</i> unplaced	na
	Tortricidae	<i>Holocola</i> ANIC sp10	na
	Tortricidae	<i>Holocola</i> sp. TMAG_F120527	na
	Tortricidae	<i>Holocola triangulana</i>	na
	Tortricidae	<i>Isochorista</i> sp. TMAG_F120533	na
	Tortricidae	<i>Isochorista</i> sp. TMAG_F120543	na
	Tortricidae	<i>Meritastis lythrodana</i>	na



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Group	Family	Species	Common name
	Tortricidae	<i>Merophyas divulsana</i>	na
	Tortricidae	Olethreutinae unplaced	na
	Tortricidae	<i>Strepsicrates ejectana</i> <sup>b</sup>	Guava Bud Moth
	Xyloryctidae	<i>Catoryctis</i> unplaced	na
	Xyloryctidae	<i>Copidoris dimorpha</i>	na
	Xyloryctidae	<i>Leistarcha</i> sp. TMAG_F118192 <sup>a</sup>	na
	Xyloryctidae	<i>Xylorycta calligramma</i>	na
	Xyloryctidae	<i>Xylorycta</i> cf. <i>micracma</i> <sup>a</sup>	na
	Xyloryctidae	Xyloryctidae QVMAG sp. 1	na
	Zygaenidae	<i>Pollanisus lithopastus</i>	na
<b>Caddisflies</b>	[Order Trichoptera]	Trichoptera unplaced	na
<b>Flies</b>	[Order Diptera]	Diptera unplaced QVMAG sp. 1	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 2	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 3	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 4	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 5	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 6	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 7	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 8	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 9	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 10	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 11	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 12	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 13	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 14	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 15	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 16	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 17	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 18	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 19	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 20	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 21	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 22	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 23	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 24	na
	[Order Diptera]	Diptera unplaced QVMAG sp. 25	na
	Anisopodidae	<i>Sylvicola</i> sp. TMAG_F114083	na
	Anisopodidae	<i>Sylvicola</i> sp. TMAG_F97215	na
	Asilidae	Asilidae QVMAG sp. 1	na
	Asilidae	<i>Cabasa pulchella</i>	na

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Group	Family	Species	Common name
	Asilidae	<i>Cerdistus</i> unplaced	na
	Asilidae	<i>Leptogaster</i> QVMAG sp. 1	na
	Asilidae	<i>Leptogaster whitei</i>	na
	Bibionidae	<i>Dilophus</i> unplaced	na
	Bombyliidae	<i>Exechohypopion</i> unplaced	na
	Bombyliidae	<i>Geron dispar</i>	na
	Bombyliidae	<i>Geron</i> QVMAG sp. 1	na
	Bombyliidae	<i>Meomyia fasciculata</i>	na
	Bombyliidae	<i>Villa fuscicostata</i>	na
	Bombyliidae	<i>Villa</i> QVMAG sp. 1	na
	Calliphoridae	<i>Calliphora stygia</i>	na
	Calliphoridae	Calliphoridae QVMAG sp. 1	na
	Calliphoridae	Calliphoridae QVMAG sp. 2	na
	Calliphoridae	Calliphoridae QVMAG sp. 3	na
	Calliphoridae	Calliphoridae QVMAG sp. 4	na
	Calliphoridae	Calliphorinae unplaced	na
	Calliphoridae	<i>Chrysomya saffrana</i>	na
	Calliphoridae	<i>Chrysomya</i> QVMAG sp. 1	na
	Calliphoridae	<i>Lucilia sericata</i>	na
	Calliphoridae	Luciliinae unplaced sp. TMAG_F114854	na
	Calliphoridae	Luciliinae unplaced sp. TMAG_F114858	na
	Canacidae	Canacidae unplaced sp. TMAG_F114191	na
	Ceratopogonidae	Ceratopogonidae unplaced	na
	Chironomidae	Chironomidae unplaced	na
	Chironomidae	Chironomidae unplaced sp. TMAG_F121072	na
	Chloropidae	<i>Apotropina ornatipennis</i>	na
	Chloropidae	<i>Apotropina</i> QVMAG sp. 1	na
	Chloropidae	Chloropidae unplaced sp. TMAG_F114088	na
	Chloropidae	Chloropidae unplaced sp. TMAG_F114100	na
	Coelopidae	<i>Chaetocoelopa sydneyensis</i>	na
	Coelopidae	<i>Gluma</i> QVMAG sp. 1	na
	Conopidae	<i>Microconops tasmaniensis</i>	na
	Culicidae	<i>Aedes</i> QVMAG sp. 1	na
	Dolichopodidae	<i>Heteropsilopus</i> QVMAG sp. 1	na
	Dolichopodidae	<i>Heteropsilopus</i> QVMAG sp. 2	na
	Dolichopodidae	<i>Arachnomyia</i> sp. TMAG_F116071	na
	Dolichopodidae	Dolichopodidae unplaced	na
	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F100541	na
	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F111387	na
	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F115652	na

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	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F115776	na
	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F115811	na
	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F97581	na
	Dolichopodidae	Dolichopodidae unplaced sp. TMAG_F99139	na
	Dolichopodidae	<i>Heteropsilopus cingulipes</i>	na
	Dolichopodidae	<i>Heteropsilopus ingenuus</i>	na
	Dolichopodidae	<i>Hydrophorus</i> sp. TMAG_F111385	na
	Dolichopodidae	<i>Nothorhaphium</i> sp. TMAG_F100617	na
	Dolichopodidae	Sciapodinae unplaced sp. TMAG_F97454	na
	Empididae	Empididae unplaced	na
	Empididae	<i>Empis</i> sp. BBSH_01	na
	Empididae	<i>Thinempis turimetta</i>	na
	Ephydriidae	Ephydriidae unplaced sp. TMAG_F98245	na
	Ephydriidae	<i>Hydrellia tritici</i>	na
	Ephydriidae	<i>Hydrellia victoria</i>	na
	Ephydriidae	<i>Scatella albilutea</i>	na
	Ephydriidae	<i>Scatella</i> sp. TMAG_F114785	na
	Ephydriidae	<i>Scatella</i> unplaced	na
	Heteromyzidae	<i>Diplogeomyza maculipennis</i>	na
	Heteromyzidae	<i>Tapeigaster nigricornis</i>	na
	Heteromyzidae	<i>Tapeigaster paramonovi</i>	na
	Heteromyzidae	<i>Tapeigaster</i> sp. TMAG_F114384	na
	Hybotidae	<i>Hybos</i> QVMAG sp. 1	na
	Lauxaniidae	<i>Incurviseta</i> sp. TMAG_F101050	na
	Lauxaniidae	Lauxaniidae QVMAG sp. 1	na
	Lauxaniidae	Lauxaniidae QVMAG sp. 2	na
	Lauxaniidae	Lauxaniidae QVMAG sp. 3	na
	Lauxaniidae	Lauxaniidae unplaced sp. TMAG_F112412	na
	Lauxaniidae	Lauxaniidae unplaced sp. TMAG_F114007	na
	Lauxaniidae	Lauxaniidae unplaced sp. TMAG_F114155	na
	Lauxaniidae	Lauxaniidae unplaced sp. TMAG_F41248	na
	Lauxaniidae	Lauxaniidae unplaced sp. TMAG_F98214	na
	Lauxaniidae	<i>Meiosimyza appula</i>	na
	Lauxaniidae	<i>Paranomina longa</i>	na
	Lauxaniidae	<i>Poecilohetaerus aquilus</i>	na
	Lauxaniidae	<i>Poecilohetaerus schineri</i>	na
	Lauxaniidae	<i>Sapromyza alboatra</i>	na
	Lauxaniidae	<i>Sapromyza brunneovittata</i>	na
	Lauxaniidae	<i>Sapromyza metallica</i>	na
	Lauxaniidae	<i>Steganopsis melanogaster</i>	na

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Group	Family	Species	Common name
	Lauxaniidae	<i>Trigonometopsis binotata</i>	na
	Limoniidae	Limoniidae unplaced sp. TMAG_F112296	na
	Limoniidae	Limoniidae unplaced sp. TMAG_F114198	na
	Lonchaeidae	Lonchaeidae unplaced sp. TMAG_F6351	na
	Lonchopteridae	<i>Lonchoptera bifurcata</i> <sup>b</sup>	na
	Muscidae	<i>Australophyra rostrata</i>	na
	Muscidae	<i>Coenosia</i> sp. TMAG_F101349	na
	Muscidae	<i>Coenosia</i> sp. TMAG_F114459	na
	Muscidae	<i>Coenosia</i> sp. TMAG_F47332	na
	Muscidae	<i>Helina</i> sp. TMAG_F100148	na
	Muscidae	<i>Helina</i> sp. TMAG_F101117	na
	Muscidae	<i>Helina</i> sp. TMAG_F12791	na
	Muscidae	<i>Helina</i> sp. TMAG_F47165	na
	Muscidae	<i>Helinomydaea fuscoflava</i>	na
	Muscidae	<i>Lispe cana</i>	na
	Muscidae	Muscidae unplaced	na
	Muscidae	Muscidae unplaced sp. TMAG_F101209	na
	Muscidae	Muscidae unplaced sp. TMAG_F114209	na
	Muscidae	Muscidae unplaced sp. TMAG_F114738	na
	Muscidae	Muscidae unplaced sp. TMAG_F47357	na
	Muscidae	Muscidae unplaced sp. TMAG_F97355	na
	Mycetophilidae	<i>Exechia</i> QVMAG sp. 1	na
	Mycetophilidae	Mycetophilidae unplaced sp. TMAG_F100223	na
	Piophilidae	<i>Piophila casei</i>	Cheese Skipper Fly
	Pipunculidae	Pipunculidae unplaced	na
	Platystomatidae	<i>Duomyia decora</i>	na
	Platystomatidae	<i>Duomyia</i> sp. TMAG_F114140	na
	Platystomatidae	Platystomatinae QVMAG sp. 1	na
	Platystomatidae	<i>Rivellia</i> unplaced	na
	Pyrgotidae	<i>Cardiacera</i> QVMAG sp. 1	na
	Pyrgotidae	<i>Cardiacera uniforma</i>	na
	Rhagionidae	<i>Chrysopilus imitator</i>	na
	Rhagionidae	<i>Chrysopilus</i> sp. nr <i>gratiosus</i>	na
	Rhagionidae	<i>Spaniopsis clelandi</i>	na
	Rhiniidae	<i>Stomorhina subapicalis</i>	na
	Sarcophagidae	<i>Oxysarcodexia varia</i>	na
	Sarcophagidae	<i>Protomiltogramma</i> QVMAG sp. 1	na
	Sarcophagidae	<i>Sarcophaga</i> sp. TMAG_F72915	na
	Sarcophagidae	Sarcophaginae unplaced sp. TMAG_F111611	na
	Sarcophagidae	Sarcophaginae unplaced sp. TMAG_F96711	na

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Group	Family	Species	Common name
	Sciaridae	Sciaridae QVMAG sp. 1	na
	Sciaridae	Sciaridae unplaced	na
	Sciomyzidae	<i>Dichetophora australis</i>	na
	Sciomyzidae	<i>Phorbella juxtajavana</i>	na
	Sepsidae	<i>Parapalaeosepsis plebeia</i>	na
	Sepsidae	Sepsidae unplaced sp. TMAG_F114761	na
	Sphaeroceridae	<i>Howickia cf. myrmecophila</i>	na
	Sphaeroceridae	<i>Thoracochaeta</i> unplaced	na
	Stratiomyidae	<i>Boreoides tasmaniensis</i>	na
	Stratiomyidae	<i>Octarthria brunnipennis</i>	na
	Stratiomyidae	<i>Odontomyia</i> QVMAG sp. 1	na
	Stratiomyidae	<i>Odontomyia</i> sp. TMAG_F96259	na
	Syrphidae	<i>Austalis pulchella</i>	na
	Syrphidae	<i>Cyphipelta rufocyanea</i>	na
	Syrphidae	<i>Eristalis tenax</i> <sup>b</sup>	na
	Syrphidae	<i>Eumerus argyrogaster</i>	na
	Syrphidae	<i>Eumerus latipes</i>	na
	Syrphidae	<i>Eumerus</i> QVMAG sp. 1	na
	Syrphidae	<i>Eumerus</i> unplaced	na
	Syrphidae	<i>Hemilampra</i> sp. TMAG_F103559	na
	Syrphidae	<i>Melangyna</i> QVMAG sp. 1	na
	Syrphidae	<i>Melangyna viridiceps</i>	na
	Syrphidae	<i>Orthoprosopa grisea</i>	na
	Syrphidae	<i>Sphaerophoria macrogaster</i>	na
	Syrphidae	Syrphidae QVMAG sp. 1	na
	Tabanidae	<i>Cydistomorpha vetusta</i>	na
	Tabanidae	<i>Dasybasis neolatifrons</i>	na
	Tabanidae	<i>Dasybasis</i> QVMAG sp. 1	na
	Tabanidae	<i>Dasybasis</i> unplaced	na
	Tabanidae	<i>Scaptia auriflua</i>	na
	Tachinidae	<i>Chetogena</i> QVMAG sp. 1	na
	Tachinidae	<i>Cylindromyia</i> QVMAG sp. 1	na
	Tachinidae	Dexiini QVMAG sp. 1	na
	Tachinidae	<i>Eurygastropsis tasmaniae</i>	na
	Tachinidae	<i>Pygidimya</i> QVMAG sp. 1	na
	Tachinidae	<i>Rutilia</i> QVMAG sp. 1	na
	Tachinidae	<i>Rutilia</i> QVMAG sp. 2	na
	Tachinidae	<i>Rutilotrixa</i> QVMAG sp. 1	na
	Tachinidae	<i>Senostoma</i> QVMAG sp. 1	na
	Tachinidae	Tachinidae unplaced	na

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Group	Family	Species	Common name
	Tachinidae	Tachinidae unplaced QVMAG 1	na
	Tachinidae	Tachinidae unplaced QVMAG 2	na
	Tachinidae	Tachinidae unplaced QVMAG 3	na
	Tachinidae	Tachinidae unplaced QVMAG 4	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F110251	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F114390	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F114969	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F115698	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F116081	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F47646	na
	Tachinidae	Tachinidae unplaced sp. TMAG_F57505	na
	Tachinidae	<i>Trigonospila</i> QVMAG sp. 1	na
	Tachinidae	<i>Trigonospila</i> sp. TMAG_F47331	na
	Tachinidae	<i>Trigonospila</i> sp. nr <i>spilota</i>	na
	Tachinidae	<i>Trigonospila</i> unplaced	na
	Tephritidae	<i>Austrotephritis poenia</i>	na
	Tephritidae	<i>Euribia stylata</i> <sup>b</sup>	na
	Tephritidae	<i>Sphenella ruficeps</i>	na
	Therevidae	<i>Acraspisa</i> sp. TMAG_F95917	na
	Therevidae	<i>Acupalpa</i> sp. TMAG_F96343	na
	Therevidae	<i>Anabarhynchus fuscoapicatus</i>	na
	Therevidae	<i>Anabarhynchus maritimus</i>	na
	Therevidae	<i>Bonjeania actuosa</i>	na
	Therevidae	<i>Ectinorhynchus</i> unplaced	na
	Therevidae	<i>Evansomyia phyciformis</i>	na
	Therevidae	<i>Neodialineura nitens</i>	na
	Tipulidae	<i>Ischnotoma par</i>	na
	Tipulidae	<i>Ischnotoma</i> QVMAG sp. 1	na
	Tipulidae	<i>Ischnotoma</i> unplaced	na
	Tipulidae	<i>Leptotarsus</i> unplaced	na
	Tipulidae	Tipulidae QVMAG sp. 1	na
	Tipulidae	Tipulidae unplaced	na
<b>Beetles</b>	[Order Coleoptera]	Coleoptera unplaced QVMAG 1	na
	[Order Coleoptera]	Coleoptera unplaced QVMAG 2	na
	[Order Coleoptera]	Coleoptera unplaced QVMAG 3	na
	[Order Coleoptera]	Coleoptera unplaced QVMAG 4	na
	Anthicidae	<i>Lagrioida australis</i>	na
	Anthicidae	<i>Mecynotarsus leai</i>	na
	Anthicidae	<i>Pseudocyclodinus strictus</i>	na
	Anthribidae	Anthribidae unplaced sp. TMAG_F114242 <sup>a</sup>	na

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Group	Family	Species	Common name
	Anthribidae	Anthribidae unplaced TFIC sp. 04	na
	Anthribidae	Anthribinae unplaced sp. TMAG_F11939	na
	Belidae	<i>Pachyura australis</i>	na
	Belidae	<i>Rhinotia bidentata</i>	na
	Belidae	<i>Rhinotia bimaculata</i>	na
	Bostrichidae	<i>Xylion collaris</i>	na
	Bothriideridae	<i>Ascetoderes taeniatus</i>	na
	Bothriideridae	Bothriideridae QVMAG sp. 1	na
	Bothriideridae	Bothriideridae QVMAG sp. 2	na
	Buprestidae	<i>Themognatha mitchellii</i>	na
	Cantharidae	<i>Chauliognathus tricolor</i>	na
	Cantharidae	<i>Heteromastix pauxillus</i>	na
	Cantharidae	<i>Heteromastix</i> unplaced	na
	Carabidae	<i>Acallistus tasmanicus</i>	na
	Carabidae	<i>Adelotopus haemorrhoidalis</i>	na
	Carabidae	<i>Adelotopus</i> QVMAG sp. 1	na
	Carabidae	<i>Agonocheila antipodum</i>	na
	Carabidae	<i>Amblystomus nigrinus</i>	na
	Carabidae	<i>Amblystomus</i> sp. TMAG_F114593	na
	Carabidae	<i>Amblytelus curtus</i>	na
	Carabidae	<i>Amblytelus</i> sp. TMAG_F115609	na
	Carabidae	<i>Anomotarus crudelis</i>	na
	Carabidae	<i>Anomotarus illawarrae</i>	na
	Carabidae	Carabidae unplaced sp. TMAG_F111541	na
	Carabidae	<i>Chlaenius australis</i>	na
	Carabidae	<i>Clivina</i> sp. BBSH_01	na
	Carabidae	<i>Demetrida</i> sp. TMAG_F114205	na
	Carabidae	<i>Euthenarus promptus</i>	na
	Carabidae	<i>Gnathaphanus melbournensis</i>	na
	Carabidae	Harpalinae QVMAG sp. 1	na
	Carabidae	Harpalinae QVMAG sp. 2	na
	Carabidae	Harpalinae QVMAG sp. 3	na
	Carabidae	Harpalinae QVMAG sp. 4	na
	Carabidae	Harpalinae QVMAG sp. 5	na
	Carabidae	Harpalinae QVMAG sp. 6	na
	Carabidae	Harpalinae QVMAG sp. 7	na
	Carabidae	Harpalinae QVMAG sp. 8	na
	Carabidae	Harpalinae QVMAG sp. 9	na
	Carabidae	Harpalinae QVMAG sp. 10	na
	Carabidae	Harpalinae QVMAG sp. 11	na

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Group	Family	Species	Common name
	Carabidae	Harpalinae unplaced sp. TMAG_F114837	na
	Carabidae	<i>Homethes elegans</i>	na
	Carabidae	<i>Homethes guttifer</i>	na
	Carabidae	<i>Mecyclothorax ambiguus</i>	na
	Carabidae	<i>Mecyclothorax punctipennis</i>	na
	Carabidae	<i>Notiobia rugosipennis</i>	na
	Carabidae	<i>Notonomus politulus</i>	na
	Carabidae	<i>Oodes modestus</i>	na
	Carabidae	<i>Promecoderus brunnicornis</i>	na
	Carabidae	<i>Promecoderus</i> QVMAG sp. 1	na
	Carabidae	<i>Prosopogmus chalybeipennis</i>	na
	Carabidae	Pterostichini unplaced sp. TMAG_F114415	na
	Carabidae	<i>Sarothrocrepis civica</i>	na
	Carabidae	<i>Sarothrocrepis corticalis</i>	na
	Carabidae	<i>Sarothrocrepis gravis</i>	na
	Carabidae	<i>Sarothrocrepis inquinata</i>	na
	Carabidae	<i>Sarothrocrepis integra</i>	na
	Carabidae	<i>Sarothrocrepis</i> QVMAG sp. 1	na
	Carabidae	<i>Scaraphites rotundipennis</i>	na
	Carabidae	<i>Scopodes ovipennis</i>	na
	Carabidae	<i>Scopodes sexpunctus</i>	na
	Carabidae	<i>Scopodes sigillatus</i>	na
	Carabidae	<i>Scopodes</i> sp. TMAG_F47096	na
	Carabidae	<i>Simodontus</i> cf. <i>clermonti</i>	na
	Carabidae	<i>Simodontus sexfoveatus</i>	na
	Carabidae	<i>Sloanella suavis</i>	na
	Carabidae	<i>Trechistus terricola</i>	na
	Carabidae	<i>Trigonthops pacifica</i>	na
	Carabidae	<i>Trigonthops</i> QVMAG sp. 1	na
	Cerambycidae	<i>Ancita</i> cf. <i>crocogaster</i>	na
	Cerambycidae	<i>Ancita marginicollis</i>	na
	Cerambycidae	<i>Aphanosperma orientalis</i>	na
	Cerambycidae	<i>Bethelium diversicorne</i>	na
	Cerambycidae	Callidiopini unplaced sp. TMAG_F100860	na
	Cerambycidae	Callidiopini unplaced sp. TMAG_F33390	na
	Cerambycidae	<i>Callidiopsis scutellaris</i>	na
	Cerambycidae	Cerambycinae unplaced TFIC sp. 13	na
	Cerambycidae	<i>Disterna canosa</i>	na
	Cerambycidae	<i>Distichocera fuliginosa</i>	na
	Cerambycidae	<i>Dorcadida bilocularis</i>	na



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Group	Family	Species	Common name
	Cerambycidae	<i>Enchoptera apicalis</i>	na
	Cerambycidae	<i>Epithora dorsalis</i>	na
	Cerambycidae	<i>Hesthesis cingulatus</i>	na
	Cerambycidae	<i>Hesthesis plorator</i>	na
	Cerambycidae	<i>Mecynopus cothurnatus</i>	na
	Cerambycidae	<i>Neissa inconspicua</i>	na
	Cerambycidae	<i>Phacodes personatus</i>	na
	Cerambycidae	<i>Phalota obscura</i>	na
	Cerambycidae	<i>Phlyctaenodes pustulosa</i>	na
	Cerambycidae	<i>Phoracantha superans</i>	na
	Cerambycidae	<i>Probatodes plumula</i>	na
	Cerambycidae	<i>Pseudohalme walkeri</i>	na
	Cerambycidae	<i>Rhinophthalmus nasutus</i>	na
	Cerambycidae	<i>Stenoderus suturalis</i>	na
	Cerambycidae	<i>Strongylurus</i> QVMAG sp. 1	na
	Cerambycidae	<i>Zoedia divisa</i>	na
	Chrysomelidae	Alticini sp. BBSH_01	na
	Chrysomelidae	Alticini unplaced sp. TMAG_F114401	na
	Chrysomelidae	<i>Aporocera</i> QVMAG sp. 1	na
	Chrysomelidae	<i>Aporocera viridipennis</i>	na
	Chrysomelidae	<i>Arsipoda concolor</i>	na
	Chrysomelidae	<i>Arsipoda variegata</i>	na
	Chrysomelidae	<i>Cadmus crucicollis</i>	na
	Chrysomelidae	<i>Chaetocnema propinqua</i>	na
	Chrysomelidae	<i>Chaetocnema</i> QVMAG sp. 1	na
	Chrysomelidae	<i>Chaetocnema</i> sp. nr <i>propinqua</i>	na
	Chrysomelidae	<i>Chaetocnema</i> sp. TMAG_F95720	na
	Chrysomelidae	Chrysomelidae sp. BBSH_01	na
	Chrysomelidae	<i>Ditropidella</i> sp. BBSH_01	na
	Chrysomelidae	<i>Ditropidus</i> sp. TMAG_F115926	na
	Chrysomelidae	<i>Ditropidus</i> TFIC sp. 08	na
	Chrysomelidae	<i>Eboo elegantula</i>	na
	Chrysomelidae	<i>Eboo villosa</i>	na
	Chrysomelidae	<i>Eboo viridula</i>	na
	Chrysomelidae	<i>Eurispa albipennis</i>	na
	Chrysomelidae	<i>Faex subfasciata</i>	na
	Chrysomelidae	Galerucinae QVMAG sp. 1	na
	Chrysomelidae	<i>Geloptera jugularis</i>	na
	Chrysomelidae	<i>Monolepta</i> sp. TMAG_F112426	na
	Chrysomelidae	<i>Monolepta subsuturalis</i>	na

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Group	Family	Species	Common name
	Chrysomelidae	<i>Paropsides calliope</i>	na
	Chrysomelidae	<i>Paropsides</i> QVMAG sp. 1	na
	Chrysomelidae	<i>Paropsis aegrota</i>	na
	Chrysomelidae	<i>Paropsis deboeri</i>	na
	Chrysomelidae	<i>Paropsis porosa</i>	na
	Chrysomelidae	<i>Paropsisterna agricola</i>	na
	Chrysomelidae	<i>Paropsisterna lineata</i>	na
	Chrysomelidae	<i>Paropsisterna morio</i>	na
	Chrysomelidae	<i>Paropsisterna nobilitata</i>	na
	Chrysomelidae	<i>Paropsisterna obliterata</i>	na
	Chrysomelidae	<i>Paropsisterna</i> sp. BBSH_01	na
	Chrysomelidae	<i>Peltoschema orphana</i>	na
	Chrysomelidae	<i>Psylliodes marcida</i> <sup>b</sup>	na
	Chrysomelidae	<i>Trachymela ferrugata</i>	na
	Clambidae	<i>Sphaerothorax tasmani</i>	na
	Cleridae	<i>Blackburniella intricata</i>	na
	Cleridae	<i>Eleale</i> QVMAG sp. 1	na
	Cleridae	<i>Eunatalis porcata</i>	na
	Cleridae	<i>Lemidia cicatricosa</i>	na
	Cleridae	<i>Lemidia nitens</i>	na
	Cleridae	<i>Lemidia subaenea</i>	na
	Cleridae	<i>Necrobia ruficollis</i> <sup>b</sup>	Red-shouldered Ham Beetle
	Cleridae	<i>Necrobia rufipes</i> <sup>b</sup>	Red-legged Ham Beetle
	Cleridae	<i>Neoscrobiger patricius</i>	na
	Cleridae	<i>Neoscrobiger rauciceps</i>	na
	Cleridae	<i>Parapylus bicinctus</i>	na
	Cleridae	<i>Pylus fatuus</i>	na
	Cleridae	<i>Tenerus abbreviatus</i>	na
	Coccinellidae	<i>Bucolellus minutus</i>	na
	Coccinellidae	<i>Cleobora mellyi</i>	na
	Coccinellidae	Coccidulini sp. BBSH_01	na
	Coccinellidae	<i>Coccinella transversalis</i>	na
	Coccinellidae	<i>Harmonia conformis</i>	na
	Coccinellidae	<i>Novius bellus</i>	na
	Coccinellidae	<i>Orcus bilunulatus</i>	na
	Coccinellidae	<i>Rhyzobius forestieri</i>	na
	Coccinellidae	<i>Rhyzobius</i> sp. TMAG_F116005	na
	Coccinellidae	<i>Rhyzobius</i> sp. TMAG_F98708	na
	Coccinellidae	<i>Rhyzobius</i> TFIC sp. 01	na

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Group	Family	Species	Common name
	Coccinellidae	<i>Rhyzobius</i> TFIC sp. 07	na
	Coccinellidae	<i>Rhyzobius</i> TFIC sp. 09	na
	Coccinellidae	<i>Rhyzobius</i> TFIC sp. 15	na
	Coccinellidae	<i>Rhyzobius</i> TFIC sp. 30	na
	Coccinellidae	<i>Rhyzobius ventralis</i>	na
	Coccinellidae	<i>Rhyzobius xanthurus</i>	na
	Coccinellidae	<i>Scymnus</i> sp. BBSH_01	na
	Corylophidae	<i>Holopsis</i> TFIC sp. 13	na
	Corylophidae	<i>Periptyctus russulus</i>	na
	Corylophidae	<i>Sericoderus</i> sp. BBSH_01	na
	Corylophidae	<i>Sericoderus</i> sp. TMAG_F115630	na
	Corylophidae	<i>Sericoderus</i> TFIC sp. 17	na
	Curculionidae	<i>Aedes cultratus</i>	na
	Curculionidae	<i>Acantholophus</i> QVMAG sp. 1	na
	Curculionidae	<i>Acantholophus</i> QVMAG sp. 2	na
	Curculionidae	<i>Acantholophus tasmaniensis</i>	na
	Curculionidae	<i>Amasa truncata</i>	na
	Curculionidae	<i>Ambrosiodmus compressus</i>	na
	Curculionidae	<i>Ancyttalia oleariae</i>	na
	Curculionidae	<i>Anorthorhinus apicalis</i>	na
	Curculionidae	<i>Aoplocnemis rufipes</i>	na
	Curculionidae	<i>Aoplocnemis</i> TFIC sp. 03	na
	Curculionidae	<i>Aphela algarum</i>	na
	Curculionidae	<i>Cnestus pseudosolidus</i>	na
	Curculionidae	<i>Cossonus praeustus</i>	na
	Curculionidae	<i>Cossonus</i> QVMAG sp. 1	na
	Curculionidae	Cryptorhynchini unplaced sp. TMAG_F114778	na
	Curculionidae	Cryptorhynchini unplaced TFIC sp. 46	na
	Curculionidae	Curculionidae QVMAG sp. 1	na
	Curculionidae	Curculionidae QVMAG sp. 2	na
	Curculionidae	Curculionidae QVMAG sp. 3	na
	Curculionidae	Curculionidae QVMAG sp. 4	na
	Curculionidae	Curculionidae QVMAG sp. 5	na
	Curculionidae	Curculionidae QVMAG sp. 6	na
	Curculionidae	Curculionidae QVMAG sp. 7	na
	Curculionidae	Curculionidae QVMAG sp. 8	na
	Curculionidae	Curculionidae QVMAG sp. 9	na
	Curculionidae	Curculionidae QVMAG sp. 10	na
	Curculionidae	Curculionidae sp. BBSH_01	na
	Curculionidae	Curculionidae unplaced sp. TMAG_F77149	na

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	Curculionidae	Curculionidae unplaced sp. TMAG_F95604	na
	Curculionidae	Curculionidae unplaced sp. TMAG_F98766	na
	Curculionidae	Cyclominae sp. BBSH_01	na
	Curculionidae	<i>Elleschodes eucalypti</i>	na
	Curculionidae	<i>Epamoebus ziczac</i>	na
	Curculionidae	<i>Ethemaia</i> OBERPREILER sp. nov. TFIC sp. 01	na
	Curculionidae	<i>Ethemaia sellata</i>	na
	Curculionidae	<i>Gerynassa picticornis</i>	na
	Curculionidae	<i>Gonipterus</i> QVMAG sp. 1	na
	Curculionidae	<i>Gonipterus</i> QVMAG sp. 2	na
	Curculionidae	<i>Gonipterus</i> sp. BBSH_01	na
	Curculionidae	<i>Gonipterus</i> unplaced	na
	Curculionidae	<i>Haplonyx casuarinae</i>	na
	Curculionidae	Leptopiini unplaced sp. TMAG_F111372	na
	Curculionidae	Leptopiini unplaced sp. TMAG_F113716	na
	Curculionidae	Leptopiini unplaced sp. TMAG_F114592	na
	Curculionidae	Leptopiini unplaced sp. TMAG_F41329	na
	Curculionidae	<i>Leptopius duponti</i>	na
	Curculionidae	<i>Leptopius</i> sp. TMAG_F97806	na
	Curculionidae	<i>Mandalotus</i> sp. BBSH_01	na
	Curculionidae	<i>Mandalotus</i> sp. TMAG_F101554	na
	Curculionidae	<i>Merimnetes oblongus</i>	na
	Curculionidae	<i>Merimnetes</i> QVMAG sp. 1	na
	Curculionidae	<i>Merimnetes simplicipennis</i>	na
	Curculionidae	<i>Merimnetes</i> sp. BBSH_01	na
	Curculionidae	<i>Merimnetes</i> unplaced	na
	Curculionidae	<i>Meriphus</i> QVMAG sp. 1	na
	Curculionidae	<i>Meriphus</i> sp. TMAG_F115886	na
	Curculionidae	<i>Meriphus</i> sp. TMAG_F96628	na
	Curculionidae	<i>Meriphus</i> TFIC sp. 01	na
	Curculionidae	<i>Misophrice gloriosa</i>	na
	Curculionidae	<i>Misophrice variabilis</i>	na
	Curculionidae	<i>Mythites tuberculatus</i>	na
	Curculionidae	<i>Naupactus leucoloma</i> <sup>b</sup>	White-fringed Weevil
	Curculionidae	<i>Orthorhinus cylindrirostris</i>	na
	Curculionidae	<i>Orthorhinus klugii</i>	na
	Curculionidae	<i>Pantoreites</i> TFIC sp. 01	na
	Curculionidae	<i>Pelororhinus angustatus</i>	na
	Curculionidae	<i>Pelororhinus margaritaceus</i>	na
	Curculionidae	<i>Pentamimus australis</i>	na

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	Curculionidae	<i>Polyphrades</i> sp. BBSH_01	na
	Curculionidae	<i>Poropterus</i> sp. TMAG_F47027	na
	Curculionidae	<i>Pseudometryrus</i> TFIC sp. 01	na
	Curculionidae	<i>Pseudotimareta subterranea</i>	na
	Curculionidae	<i>Rhinaria granulosa</i>	na
	Curculionidae	<i>Sclerorinus bubalus</i>	na
	Curculionidae	<i>Scotasmus parvicornis</i>	na
	Curculionidae	<i>Sphinctobelus</i> QVMAG sp. 1	na
	Curculionidae	<i>Thechia pygmaea</i>	na
	Curculionidae	Tychiini sp. BBSH_01	na
	Curculionidae	Tychiini unplaced TFIC sp. 01	na
	Curculionidae	Tychiini unplaced TFIC sp. 08	na
	Curculionidae	Tychiini unplaced TFIC sp. 10	na
	Curculionidae	Tychiini unplaced TFIC sp. 18	na
	Curculionidae	Tychiini unplaced TFIC sp. 26	na
	Curculionidae	<i>Tyrtaeosus ustulatus</i>	na
	Dermestidae	<i>Dermestes maculatus</i> <sup>b</sup>	Hide Beetle
	Dermestidae	<i>Trogoderma</i> sp. TMAG_F100945	na
	Dytiscidae	<i>Antiporus</i> sp. TMAG_F114073	na
	Dytiscidae	<i>Antiporus</i> sp. TMAG_F97815	na
	Dytiscidae	<i>Cybister tripunctatus</i>	na
	Dytiscidae	Dytiscidae unplaced	na
	Dytiscidae	Dytiscidae unplaced sp. TMAG_F111371	na
	Dytiscidae	Dytiscidae unplaced sp. TMAG_F111461	na
	Dytiscidae	Dytiscidae unplaced sp. TMAG_F111596	na
	Dytiscidae	Dytiscidae unplaced sp. TMAG_F114071	na
	Dytiscidae	Dytiscidae unplaced sp. TMAG_F114433	na
	Dytiscidae	<i>Exocelina</i> TFIC sp. 01	na
	Dytiscidae	<i>Hyderodes schuckardi</i>	na
	Dytiscidae	<i>Limbodessus gemellus</i>	na
	Dytiscidae	<i>Necterosoma undecimlineatum</i>	na
	Dytiscidae	<i>Onychohydrus scutellaris</i>	na
	Dytiscidae	<i>Rhantus suturalis</i>	na
	Dytiscidae	<i>Sternopriscus</i> QVMAG sp. 1	na
	Dytiscidae	<i>Sternopriscus</i> sp. BBSH_01	na
	Dytiscidae	<i>Sternopriscus</i> sp. TMAG_F100452	na
	Dytiscidae	<i>Sternopriscus</i> sp. TMAG_F1114739	na
	Dytiscidae	<i>Sternopriscus</i> sp. TMAG_F97431	na
	Elateridae	Agrypninae unplaced TFIC sp. 01	na
	Elateridae	<i>Agrypnus impressicollis</i>	na

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	Elateridae	<i>Agrypnus</i> QVMAG sp. 1	na
	Elateridae	<i>Agrypnus</i> QVMAG sp. 2	na
	Elateridae	<i>Agrypnus variabilis</i>	na
	Elateridae	<i>Monocrepidus basalis</i>	na
	Elateridae	<i>Monocrepidus cordieri</i>	na
	Elateridae	<i>Conoderus</i> QVMAG sp. 1	na
	Elateridae	<i>Conoderus</i> QVMAG sp. 2	na
	Elateridae	<i>Conoderus</i> QVMAG sp. 3	na
	Elateridae	<i>Conoderus</i> QVMAG sp. 4	na
	Elateridae	<i>Conoderus</i> sp. TMAG_F111417	na
	Elateridae	<i>Crepidomenus decoratus</i>	na
	Elateridae	Elateridae sp. BBSH_01	na
	Elateridae	Elateridae unplaced sp. TMAG_F111421	na
	Elateridae	Elateridae unplaced TFIC sp. 30	na
	Elateridae	<i>Elatichrosis exarata</i>	na
	Elateridae	<i>Enischnelater</i> TFIC sp. 01	na
	Elateridae	<i>Hapatesus</i> sp. TMAG_F68612	na
	Erotylidae	<i>Thallis compta</i>	na
	Eucnemidae	<i>Dromaeoloides</i> MUONA sp. 02	na
	Eucnemidae	<i>Dromaeolus australasiae</i>	na
	Eucnemidae	Eucnemidae QVMAG sp. 1	na
	Eucnemidae	Eucnemidae unplaced sp. TMAG_F102313	na
	Eucnemidae	Eucnemidae unplaced sp. TMAG_F111601	na
	Geotrupidae	<i>Geotrupes spiniger</i> <sup>b</sup>	na
	Histeridae	<i>Saprinus cyaneus</i>	na
	Histeridae	<i>Saprinus laetus</i>	na
	Histeridae	<i>Saprinus</i> QVMAG sp. 1	na
	Hydrochidae	<i>Hydrochus</i> sp. TMAG_F105729	na
	Hydrophilidae	<i>Cercyon</i> sp. TMAG_F96383	na
	Hydrophilidae	<i>Enochrus</i> sp. TMAG_F112223	na
	Hydrophilidae	<i>Helochares tristis</i>	na
	Hydrophilidae	Hydrophilidae QVMAG sp. 1	na
	Hydrophilidae	<i>Limnoxenus zealandicus</i>	na
	Hydrophilidae	<i>Paracymus</i> cf. <i>pygmaeus</i>	na
	Hydrophilidae	<i>Sternolophus marginicollis</i>	na
	Kateretidae	<i>Notobrachypterus</i> TFIC sp. 01	na
	Latridiidae	<i>Cartodere nodifer</i>	na
	Latridiidae	<i>Corticaria japonica</i> <sup>b</sup>	na
	Latridiidae	<i>Corticaria</i> REIKE sp. nov. 1	na
	Latridiidae	<i>Corticaria</i> sp. TFIC_02	na

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Group	Family	Species	Common name
	Latridiidae	<i>Corticara</i> TFIC sp. 02	na
	Latridiidae	<i>Enicmus foveatus</i>	na
	Latridiidae	<i>Enicmus</i> REIKE sp. nov. 1	na
	Latridiidae	Latridiidae unplaced	na
	Leiodidae	Cholevinae unplaced sp. TMAG_F114523	na
	Leiodidae	Leiodidae unplaced	na
	Leiodidae	<i>Neopelatops</i> TFIC sp. 01	na
	Lucanidae	<i>Ceratognathus niger</i>	na
	Lucanidae	<i>Lamprima aurata</i>	na
	Lucanidae	<i>Lissotes launcestoni</i>	na
	Lucanidae	<i>Syndesus cornutus</i>	na
	Lycidae	<i>Calochromus</i> TFIC sp. 01	na
	Lycidae	<i>Xylobanus simplicicornis</i>	na
	Melandryidae	<i>Orchesia austrina</i>	na
	Melandryidae	<i>Orchesia</i> sp. BBSH_01	na
	Meloidae	<i>Palaestra cyanipennis</i>	na
	Melyridae	Melyridae unplaced sp. TMAG_F114426	na
	Melyridae	Melyridae unplaced sp. TMAG_F115933	na
	Melyridae	<i>Dicranolaius cinctus</i>	na
	Melyridae	<i>Hypattalus exilis</i>	na
	Melyridae	<i>Hypattalus</i> TFIC sp. 01	na
	Mordellidae	<i>Glipostenoda</i> TFIC sp. 09	na
	Mordellidae	<i>Mordella promiscua</i>	na
	Mordellidae	<i>Mordella</i> QVMAG sp. 1	na
	Mordellidae	<i>Mordella</i> TFIC sp. 03	na
	Mordellidae	Mordellidae unplaced	na
	Mordellidae	Mordellidae unplaced TFIC sp. 01	na
	Mordellidae	Mordellidae unplaced TFIC sp. 04	na
	Mordellidae	<i>Tomoxia</i> sp. BBSH_01	na
	Nitidulidae	<i>Thalycrodes cylindricum</i>	na
	Nitidulidae	<i>Thalycrodes pulchrum</i>	na
	Oedemeridae	<i>Asclera sublineata</i>	na
	Oedemeridae	<i>Copidita maritima</i>	na
	Oedemeridae	<i>Dohrnia simplex</i>	na
	Passalidae	<i>Pharochilus rugiceps</i>	na
	Phalacridae	<i>Austroporus melas</i>	na
	Phalacridae	<i>Litochrus alternans</i>	na
	Phalacridae	<i>Litochrus brunneus</i>	na
	Phalacridae	<i>Litochrus</i> TFIC sp. 01	na
	Phalacridae	Phalacridae unplaced	na

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Group	Family	Species	Common name
	Phalacridae	Phalacridae unplaced sp. TMAG_F115676	na
	Phycosecidae	<i>Phycosecis litoralis</i>	na
	Prostomidae	<i>Prostomis atkinsoni</i>	na
	Protocucujidae	<i>Ericmodes australis</i>	na
	Ptiliidae	<i>Acrotrichis</i> TFIC sp. 01	na
	Ptinidae	<i>Deltocryptus</i> TFIC sp. 01	na
	Ptinidae	<i>Deltocryptus</i> TFIC sp. 04	na
	Ptinidae	<i>Dryophilodes</i> sp. TMAG_F44455	na
	Ptinidae	<i>Dryophilodes</i> TFIC sp. 05	na
	Ptinidae	<i>Ptinus exulans</i>	na
	Ptinidae	<i>Ptinus</i> QVMAG sp. 1	na
	Pyrochroidae	<i>Binburrum angusticollis</i>	na
	Rhipiceridae	<i>Rhipicera femorata</i>	Fan-horned Beetle
	Scarabaeidae	<i>Acrossidius tasmaniae</i>	na
	Scarabaeidae	<i>Adoryphorus coulonii</i>	na
	Scarabaeidae	Aphodiinae QVMAG sp. 1	na
	Scarabaeidae	<i>Ataenius basiceps</i>	na
	Scarabaeidae	<i>Automolius depressus</i>	na
	Scarabaeidae	<i>Cheiroplatys latipes</i>	na
	Scarabaeidae	<i>Colpochila obesa</i>	na
	Scarabaeidae	<i>Cryptodus tasmannianus</i>	na
	Scarabaeidae	<i>Diphucephala collaspidoides</i>	na
	Scarabaeidae	<i>Euoniticellus fulvus</i>	na
	Scarabaeidae	<i>Heteronyx cervina</i>	na
	Scarabaeidae	<i>Heteronyx dimidiata</i>	na
	Scarabaeidae	<i>Heteronyx diversiceps</i>	na
	Scarabaeidae	<i>Heteronyx nigella</i>	na
	Scarabaeidae	<i>Heteronyx oblongus</i>	na
	Scarabaeidae	<i>Heteronyx pubescens</i>	na
	Scarabaeidae	<i>Heteronyx</i> QVMAG sp. 1	na
	Scarabaeidae	<i>Heteronyx</i> QVMAG sp. 2	na
	Scarabaeidae	<i>Heteronyx</i> sp. BBSH_01	na
	Scarabaeidae	<i>Heteronyx</i> TFIC sp. 03	na
	Scarabaeidae	<i>Heteronyx</i> unplaced	na
	Scarabaeidae	<i>Liparetrus atratus</i>	na
	Scarabaeidae	<i>Liparetrus</i> sp. nr <i>atratus</i>	na
	Scarabaeidae	Melolonthinae unplaced sp. TMAG_F114588	na
	Scarabaeidae	<i>Onthophagus australis</i>	na
	Scarabaeidae	<i>Onthophagus binodis</i>	na
	Scarabaeidae	<i>Onthophagus fuliginosus</i>	na



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Group	Family	Species	Common name
	Scarabaeidae	<i>Onthophagus posticus</i>	na
	Scarabaeidae	<i>Onthophagus pronus</i>	na
	Scarabaeidae	<i>Onthophagus</i> QVMAG sp. 1	na
	Scarabaeidae	<i>Phyllotocus bimaculatus</i>	na
	Scarabaeidae	<i>Phyllotocus erythropterus</i>	na
	Scarabaeidae	<i>Phyllotocus nigripennis</i>	na
	Scarabaeidae	<i>Saulostomus villosus</i>	na
	Scarabaeidae	<i>Scitala sericans</i>	na
	Scarabaeidae	<i>Scitala</i> QVMAG sp.1	na
	Scarabaeidae	<i>Scitala</i> QVMAG sp.2	na
	Scarabaeidae	<i>Scitala</i> QVMAG sp.3	na
	Scarabaeidae	<i>Scitala</i> QVMAG sp.4	na
	Scarabaeidae	<i>Sericesthis nigrolineata</i>	na
	Scarabaeidae	<i>Telura vitticollis</i>	na
	Scirtidae	<i>Pictacara crassa</i>	na
	Scirtidae	<i>Pictacara tasmanica</i>	na
	Scraptiidae	<i>Scraptia laticollis</i>	na
	Silphidae	<i>Ptomaphila lacrymosa</i>	na
	Silvanidae	<i>Cryptamorpha</i> sp. TFIC_03	na
	Silvanidae	<i>Macrohyliota militaris</i>	na
	Silvanidae	<i>Macrohyliota</i> QVMAG sp. 1	na
	Sphindidae	<i>Aspidiphorus humeralis</i>	na
	Staphylinidae	<i>Aleochara blackburni</i>	na
	Staphylinidae	Aleocharinae sp. BBSH_01	na
	Staphylinidae	Aleocharinae sp. BBSH_02	na
	Staphylinidae	Aleocharinae unplaced sp. TMAG_F114112	na
	Staphylinidae	Aleocharinae unplaced sp. TMAG_F114580	na
	Staphylinidae	Aleocharinae unplaced sp. TMAG_F114822	na
	Staphylinidae	Aleocharinae unplaced sp. TMAG_F116183	na
	Staphylinidae	Aleocharinae unplaced sp. TMAG_F11795	na
	Staphylinidae	<i>Anabaxis</i> CHANDLER Type 1	na
	Staphylinidae	<i>Anabaxis</i> sp. TMAG_F114518	na
	Staphylinidae	<i>Anotylus</i> sp. BBSH_01	na
	Staphylinidae	<i>Anotylus</i> TFIC sp. 02	na
	Staphylinidae	<i>Blepharhymenus</i> sp. TMAG_F114517	na
	Staphylinidae	<i>Cafius sabulosus</i>	na
	Staphylinidae	<i>Creophilus erythrocephalus</i>	na
	Staphylinidae	<i>Euconnus</i> sp. TMAG_F114965	na
	Staphylinidae	<i>Horaemorphus</i> sp. TMAG_F115758	na
	Staphylinidae	<i>Leucocraspedum</i> sp. TMAG_F115640	na

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	Staphylinidae	<i>Logasa</i> TFIC sp. 01	na
	Staphylinidae	<i>Paederus cruenticollis</i>	na
	Staphylinidae	<i>Paederus</i> QVMAG sp. 1	na
	Staphylinidae	<i>Paederus simsoni</i>	na
	Staphylinidae	Pselaphinae sp. BBSH_01	na
	Staphylinidae	<i>Quedius</i> sp. BBSH_01	na
	Staphylinidae	<i>Quedius</i> TFIC sp. 04	na
	Staphylinidae	<i>Quedius stenocephalus</i>	na
	Staphylinidae	<i>Quedius sulcicollis</i>	na
	Staphylinidae	<i>Quedius</i> TFIC sp. 04	na
	Staphylinidae	<i>Remus sericeus</i>	na
	Staphylinidae	<i>Rybaxis strigicollis</i>	na
	Staphylinidae	Scydmaeninae sp. BBSH_01	na
	Staphylinidae	Staphylinidae QVMAG sp. 1	na
	Staphylinidae	Staphylinidae QVMAG sp. 2	na
	Staphylinidae	Staphylinidae QVMAG sp. 3	na
	Staphylinidae	Staphylinidae QVMAG sp. 4	na
	Staphylinidae	Staphylinidae sp. BBSH_01	na
	Staphylinidae	Staphylininae unplaced sp. TMAG_F96390	na
	Staphylinidae	<i>Tetrabothrus claviger</i>	na
	Tenebrionidae	<i>Adelium abbreviatum</i>	na
	Tenebrionidae	<i>Adelium brevicorne</i>	na
	Tenebrionidae	<i>Adelium licinoides</i>	na
	Tenebrionidae	<i>Adelium simlatum</i>	na
	Tenebrionidae	<i>Adelium tenebroides</i>	na
	Tenebrionidae	<i>Atoichus bicolor</i>	na
	Tenebrionidae	<i>Brycopia globicollis</i>	na
	Tenebrionidae	<i>Caedimorpha heteromera</i>	na
	Tenebrionidae	<i>Celibe infelix</i>	na
	Tenebrionidae	<i>Coripera deplanata</i>	na
	Tenebrionidae	<i>Diemenoma commoda</i>	na
	Tenebrionidae	<i>Diemenoma tuberculifera</i>	na
	Tenebrionidae	<i>Ecnolagria rufescens</i>	na
	Tenebrionidae	<i>Gonocephalum</i> cf. <i>elderi</i>	na
	Tenebrionidae	<i>Hyocis bakewelli</i>	na
	Tenebrionidae	<i>Isopteron aversum</i>	na
	Tenebrionidae	<i>Isopteron obscurum</i>	na
	Tenebrionidae	<i>Lepispilus sulcicollis</i>	na
	Tenebrionidae	<i>Meneristes australis</i>	na
	Tenebrionidae	<i>Olisthaena nitida</i>	na

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	Tenebrionidae	<i>Pemanoa tasmanica</i>	na
	Tenebrionidae	<i>Promethis angulata</i>	na
	Tenebrionidae	<i>Pterohelaeus peltatus</i>	na
	Tenebrionidae	<i>Saragus costatus</i>	na
	Tenebrionidae	<i>Scymena amphibia</i>	na
	Tenebrionidae	<i>Seirotrana elongata</i>	na
	Tenebrionidae	<i>Sphargeris physodes</i>	na
	Tenebrionidae	<i>Titaena columbina</i>	na
	Tenebrionidae	<i>Titaena tasmanica</i>	na
	Tenebrionidae	<i>Zophophilus nigerrimus</i>	na
	Throscidae	<i>Aulonothroscus elongatus</i>	na
	Trogidae	<i>Omorgus australasiae</i>	na
	Ulodidae	<i>Meryx rugosa</i>	na
	Ulodidae	<i>Notocerastes tricornis</i>	na
	Zopheridae	<i>Docalis funerosa</i>	na
	Zopheridae	<i>Pycnomerus fuliginosus</i>	na
<b>True bugs</b>	[Order Hemiptera]	Hemiptera unplaced QVMAG 1	na
	[Order Hemiptera]	Hemiptera unplaced QVMAG 2	na
	[Order Hemiptera]	Hemiptera unplaced QVMAG 3	na
	[Order Hemiptera]	Hemiptera unplaced QVMAG 4	na
	Acanthosomatidae	Acanthosomatidae unplaced sp. TMAG_F114712	na
	Acanthosomatidae	<i>Amphaces</i> QVMAG sp. 1	na
	Acanthosomatidae	<i>Amphaces</i> QVMAG sp. 2	na
	Acanthosomatidae	<i>Amphaces</i> sp. BBSH_msp.087	na
	Acanthosomatidae	<i>Anischys</i> QVMAG sp. 1	na
	Acanthosomatidae	<i>Duadicus namyatovae</i>	na
	Acanthosomatidae	<i>Duadicus pallidus</i>	na
	Acanthosomatidae	<i>Duadicus</i> sp. BBSH_msp.012	na
	Acanthosomatidae	<i>Duadicus</i> sp. BBSH_msp.013	na
	Acanthosomatidae	<i>Duadicus</i> sp. BBSH_msp.043	na
	Acanthosomatidae	<i>Elasmostethus</i> sp. TMAG_F98349	na
	Acanthosomatidae	<i>Eupolemus tasmanicus</i>	na
	Acanthosomatidae	<i>Eupolemus virescens</i>	na
	Acanthosomatidae	Gn_Acanthosomatidae_SH001 sp. BBSH_msp.002	na
	Acanthosomatidae	Gn_Acanthosomatidae_SH001 sp. BBSH_msp.030	na
	Acanthosomatidae	Gn_Acanthosomatidae_SH001 sp. BBSH_msp.040	na

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	Acanthosomatidae	Gn_Acanthosomatidae_SH001 sp. BBSH_msp.042	na
	Acanthosomatidae	Gn_Acanthosomatidae_SH001 sp. BBSH_msp.063	na
	Acanthosomatidae	Gn_Acanthosomatidae_SH002 sp. BBSH_msp.005	na
	Acanthosomatidae	<i>Hiarchas angularis</i>	na
	Acanthosomatidae	<i>Panaetius lobulatus</i>	na
	Acanthosomatidae	<i>Panaetius</i> sp. BBSH_msp.058	na
	Acanthosomatidae	<i>Stauralia chloracantha</i>	na
	Acanthosomatidae	<i>Stauralia compuncta</i>	na
	Acanthosomatidae	<i>Stauralia</i> sp. BBSH_msp.041	na
	Acanthosomatidae	<i>Stauralia</i> unplaced	na
	Alydidae	<i>Riptortus</i> sp. TMAG_F46814	na
	Aradidae	<i>Aneurus</i> QVMAG sp. 1	na
	Aradidae	<i>Brachyrhynchus wilsoni</i>	na
	Artheneidae	<i>Dilompus robustus</i>	na
	Ceratocombidae	<i>Ceratocombus australiensis</i>	na
	Coreidae	<i>Agriopocoris</i> QVMAG sp. 1	na
	Coreidae	<i>Agriopocoris</i> sp. BBSH_msp.088	na
	Coreidae	<i>Agriopocoris</i> unplaced	na
	Coreidae	<i>Amorbus obscuricornis</i>	na
	Coreidae	<i>Mictis profana</i> <sup>b</sup>	Crusader Bug
	Corixidae	<i>Agraptocorixa parvipunctata</i>	na
	Corixidae	<i>Diaprepocoris barycephalus</i>	na
	Corixidae	<i>Sigara neboissi</i>	na
	Corixidae	<i>Sigara</i> unplaced	na
	Cydniidae	<i>Adrisa atra</i>	na
	Enicocephalidae	<i>Henschiella</i> sp. TMAG_F98285	na
	Gelastocoridae	<i>Nerthra</i> sp. TMAG_F97681	na
	Gelastocoridae	<i>Nerthra suberosa</i>	na
	Gerridae	Gerridae unplaced sp. TMAG_F114374	na
	Lygaeidae	Gn_Lygaeidae_SH001 sp. BBSH_msp.056	na
	Lygaeidae	<i>Nysius</i> sp. BBSH_01	na
	Lygaeidae	<i>Nysius</i> sp. BBSH_02	na
	Lygaeidae	<i>Nysius</i> sp. BBSH_03	na
	Lygaeidae	<i>Nysius</i> sp. TMAG_F100513	na
	Lygaeidae	<i>Nysius</i> sp. TMAG_F101765	na
	Lygaeidae	<i>Nysius vinitor</i> <sup>b</sup>	Rutherglen Bug
	Mesoveliidae	<i>Mesovelia hungerfordi</i>	na
	Miridae	<i>Ausejanus albisignatus</i>	na

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Group	Family	Species	Common name
	Miridae	<i>Ausejanus</i> sp. BBSH_01	na
	Miridae	<i>Ausejanus</i> sp. TMAG_F104910	na
	Miridae	<i>Ausejanus</i> sp. BBSH_msp.034	na
	Miridae	<i>Ausejanus</i> sp. BBSH_msp.045	na
	Miridae	<i>Ausejanus</i> sp. BBSH_msp.046	na
	Miridae	<i>Ausejanus</i> sp. BBSH_msp.062	na
	Miridae	<i>Austromiris nigronasutus</i>	na
	Miridae	<i>Carvalhoma malcolmae</i>	na
	Miridae	<i>Closterotomus</i> sp. BBSH_01	na
	Miridae	<i>Creontiades dilutus</i> <sup>b</sup>	Green Mirid
	Miridae	<i>Creontiades</i> sp. BBSH_msp.022	na
	Miridae	<i>Creontiades</i> sp. BBSH_msp.064	na
	Miridae	<i>Diomocoris</i> sp. BBSH_msp.079	na
	Miridae	<i>Felisacus elegantulus</i>	na
	Miridae	Gn_Cremno_SH001 sp. BBSH_msp.036	na
	Miridae	Gn_Cremno_SH001 sp. BBSH_msp.061	na
	Miridae	Gn_Mirinae_SH001 sp. BBSH_msp.011	na
	Miridae	Gn_Orthotylinae_SH001 sp. BBSH_msp.001	na
	Miridae	Gn_Orthotylinae_SH001 sp. BBSH_msp.021	na
	Miridae	Gn_Orthotylinae_SH001 sp. BBSH_msp.039	na
	Miridae	Gn_Orthotylinae_SH001 sp. BBSH_msp.044	na
	Miridae	Gn_Orthotylinae_SH002 sp. BBSH_msp.049	na
	Miridae	Gn_Orthotylinae_SH002 sp. BBSH_msp.053	na
	Miridae	Gn_Orthotylinae_SH002 sp. BBSH_msp.089	na
	Miridae	Gn_Orthotylinae_SH003 sp. BBSH_msp.037	na
	Miridae	Gn_Orthotylinae_SH003 sp. BBSH_msp.057	na
	Miridae	Gn_Orthotylinae_SH003 sp. BBSH_msp.060 <sup>a</sup>	na
	Miridae	Gn_Palassocoris_SH001 sp. BBSH_msp.038	na
	Miridae	Gn_Phylinae_SH001 sp. BBSH_msp.003	na
	Miridae	Gn_Phylinae_SH001 sp. BBSH_msp.028 <sup>a</sup>	na
	Miridae	Gn_Phylinae_SH001 sp. BBSH_msp.047	na
	Miridae	Gn_Phylinae_SH001 sp. BBSH_msp.085 <sup>a</sup>	na
	Miridae	Gn_Phylinae_SH002 sp. BBSH_msp.007	na
	Miridae	Gn_Phylinae_SH002 sp. BBSH_msp.048	na
	Miridae	Gn_Phylinae_SH003 sp. BBSH_msp.008	na
	Miridae	Gn_Phylinae_SH003 sp. BBSH_msp.009	na
	Miridae	Gn_Phylinae_SH003 sp. BBSH_msp.010	na
	Miridae	Gn_Phylinae_SH003 sp. BBSH_msp.016	na
	Miridae	Gn_Phylinae_SH003 sp. BBSH_msp.065 <sup>a</sup>	na
	Miridae	Gn_Phylinae_SH003 sp. BBSH_msp.066 <sup>a</sup>	na

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	Miridae	<i>Leucophoroptera cavenda</i>	na
	Miridae	Miridae unplaced	na
	Miridae	Miridae unplaced sp. TMAG_F7166	na
	Miridae	Miridae unplaced sp. TMAG_F101393	na
	Miridae	Miridae unplaced sp. TMAG_F113993	na
	Miridae	Miridae unplaced sp. TMAG_F114097	na
	Miridae	Miridae unplaced sp. TMAG_F114227	na
	Miridae	Miridae unplaced sp. TMAG_F114275	na
	Miridae	Miridae unplaced sp. TMAG_F114276	na
	Miridae	Miridae unplaced sp. TMAG_F41263	na
	Miridae	Miridae unplaced sp. TMAG_F95825	na
	Miridae	<i>Ommatodema leanum</i>	na
	Miridae	<i>Ommatodema</i> sp. BBSH_msp.051 <sup>a</sup>	na
	Miridae	<i>Oncocoris</i> sp. BBSH_msp.006	na
	Miridae	<i>Orthotylus</i> sp. BBSH_msp.054 <sup>a</sup>	na
	Miridae	<i>Palassocoris</i> sp. BBSH_msp.057 <sup>a</sup>	na
	Miridae	Phylinae sp. BBSH_01	na
	Miridae	Phylinae sp. BBSH_02	na
	Miridae	<i>Pseudopantilius australis</i>	na
	Miridae	<i>Stenotus</i> QVMAG sp. 1	na
	Miridae	<i>Zanessa</i> sp. BBSH_msp.019	na
	Miridae	<i>Zanessa</i> sp. BBSH_msp.023	na
	Miridae	<i>Zanessa</i> sp. BBSH_msp.026 <sup>a</sup>	na
	Miridae	<i>Nabis biformis</i>	na
	Nabidae	<i>Nabis kinbergii</i>	na
	Naucoridae	<i>Naucoris congrex</i>	na
	Nepidae	<i>Ranatra dispar</i>	na
	Notonectidae	<i>Anisops deanei</i>	na
	Notonectidae	<i>Anisops</i> sp. BBSH_01	na
	Notonectidae	<i>Anisops</i> unplaced	na
	Notonectidae	<i>Enithares woodwardi</i>	na
	Ochteridae	<i>Ochterus</i> sp. BBSH_01	na
	Ochteridae	<i>Ochterus</i> unplaced	na
	Ochteridae	<i>Ochterus</i> sp. BBSH_msp.086	na
	Ochteridae	<i>Ochterus</i> sp. BBSH_msp.099	na
	Pentatomidae	<i>Anaxilaus oliva</i>	na
	Pentatomidae	<i>Cuspicona</i> QVMAG sp. 1	na
	Pentatomidae	<i>Cuspicona</i> sp. BBSH_msp.020	na
	Pentatomidae	<i>Cuspicona stenuella</i>	na
	Pentatomidae	<i>Diaphyta</i> cf. <i>tasmani</i>	na

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	Pentatomidae	<i>Dictyotus caenosus</i>	na
	Pentatomidae	<i>Dictyotus</i> QVMAG sp. 1	na
	Pentatomidae	Gn_Pentatomidae_SH001 sp. BBSH_msp.029	na
	Pentatomidae	Gn_Rhynchocorini_SH001 sp. BBSH_msp.031	na
	Pentatomidae	<i>Kalkadoona</i> sp. BBSH_msp.033	na
	Pentatomidae	<i>Ocirrhoe</i> sp. TMAG_F114712	na
	Pentatomidae	<i>Ocirrhoe westwoodi</i>	na
	Pentatomidae	<i>Oechalia schellenbergii</i>	na
	Pentatomidae	<i>Omyta centrolineata</i>	Gum Tree Shield Bug
	Pentatomidae	<i>Oncocoris geniculatus</i>	na
	Pentatomidae	<i>Platycoris rugosus</i>	na
	Pentatomidae	<i>Tholosanus proximus</i>	na
	Reduviidae	<i>Coranus trabeatus</i>	na
	Reduviidae	<i>Gminatus australis</i>	na
	Reduviidae	Gn_Peiratinae_SH001 sp. BBSH_msp.059	na
	Reduviidae	<i>Peirates fuliginosus</i>	na
	Reduviidae	<i>Pseudobargylia iuncea</i>	na
	Reduviidae	<i>Ptilocnemus lemur</i>	na
	Reduviidae	<i>Ptilocnemus sidnicus</i>	na
	Reduviidae	Reduviidae unplaced sp. TMAG_F7166	na
	Rhyparochromidae	<i>Brachydrymus lateabundans</i>	na
	Rhyparochromidae	<i>Brentiscerus</i> sp. BBSH_01	na
	Rhyparochromidae	<i>Daerlac tricolor</i>	na
	Rhyparochromidae	<i>Dieuches notatus</i>	na
	Rhyparochromidae	<i>Euander lacertosus</i> <sup>b</sup>	Strawberry Bug
	Rhyparochromidae	Gn_Myodochini_SH001 sp. BBSH_msp.025	na
	Rhyparochromidae	Gn_Myodochini_SH001 sp. BBSH_msp.090	na
	Rhyparochromidae	Gn_Rhyparo_SH001 sp. BBSH_msp.004	na
	Rhyparochromidae	Gn_Rhyparo_SH001 sp. BBSH_msp.050	na
	Rhyparochromidae	Gn_Rhyparo_SH001 sp. BBSH_msp.052	na
	Rhyparochromidae	Lethaeini sp. BBSH_01	na
	Rhyparochromidae	<i>Myocara acuminatum</i>	na
	Rhyparochromidae	<i>Neolethaeus</i> cf. <i>australiensis</i>	na
	Rhyparochromidae	<i>Porander scudderi</i>	na
	Rhyparochromidae	Rhyparochromidae unplaced sp. TMAG_F114514	na
	Rhyparochromidae	Rhyparochromidae unplaced sp. TMAG_F114524	na
	Rhyparochromidae	Rhyparochromidae unplaced sp. TMAG_F57782	na
	Rhyparochromidae	Rhyparochromidae QVMAG sp. 1	na

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Group	Family	Species	Common name
	Rhyparochromidae	Rhyparochromidae QVMAG sp. 2	na
	Saldidae	Gn_Saldidae_SH001 sp. BBSH_msp.024	na
	Saldidae	<i>Saldula</i> unplaced	na
	Scutelleridae	<i>Scutiphora pedicellata</i>	na
	Thaumastocoridae	<i>Baclozygum brachypterum</i>	na
	Tingidae	<i>Engynoma</i> sp. BBSH_msp.015	na
	Tingidae	<i>Engynoma</i> sp. BBSH_msp.035	na
	Tingidae	<i>Epimixia allocasuarina</i>	na
	Tingidae	<i>Epimixia</i> sp. TMAG_F114621	na
	Tingidae	<i>Epimixia</i> sp. BBSH_msp.027	na
	Tingidae	<i>Epimixia</i> sp. BBSH_msp.095	na
	Tingidae	Tingidae unplaced sp. TMAG_F115936	na
	Veliidae	<i>Microvelia oceanica</i>	na
	Veliidae	<i>Nesidovelia peramoena</i>	na
<b>Planthoppers, froghoppers, treehoppers and cicadas</b>	Achilidae	<i>Argeleusa</i> sp. TMAG_F114873	na
	Achilidae	<i>Argeleusa</i> sp. TMAG_F56999	na
	Achilidae	<i>Argeleusa</i> unplaced	na
	Cercopidae	<i>Anyllis leiala</i>	na
	Cercopidae	<i>Bathyllus albicinctus</i>	na
	Cercopidae	<i>Petyllis deprivata</i>	na
	Cercopidae	<i>Philagra parva</i>	Spittlebug
	Cicadellidae	<i>Anzygina</i> sp. BBSH_01	na
	Cicadellidae	<i>Austroagalloides rosea</i>	na
	Cicadellidae	Cicadellidae QVMAG sp. 1	na
	Cicadellidae	Cicadellidae QVMAG sp. 2	na
	Cicadellidae	Cicadellidae QVMAG sp. 3	na
	Cicadellidae	Cicadellidae unplaced	na
	Cicadellidae	Cicadellidae unplaced sp. TMAG_F104906	na
	Cicadellidae	Cicadellidae unplaced sp. TMAG_F114098	na
	Cicadellidae	<i>Euacanthella palustris</i>	na
	Cicadellidae	<i>Euacanthella</i> sp. BBSH_01	na
	Cicadellidae	<i>Eurymeloides</i> sp. TMAG_F115675	na
	Cicadellidae	<i>Limotettix incertus</i>	na
	Cicadellidae	Macrostelini sp. BBSH_01	na
	Cicadellidae	<i>Rhotidus teliformis</i>	na
	Cicadellidae	<i>Stirellus</i> sp. BBSH_01	na
	Cicadellidae	Tartessinae unplaced sp. TMAG_F57750	na
	Cicadellidae	<i>Tolasella</i> sp. TMAG_F96921	na
	Cicadellidae	<i>Zygina evansi</i>	na
	Cicadellidae	<i>Anzygina</i> sp. BBSH_01	na



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Group	Family	Species	Common name
	Cicadidae	<i>Gelidea torrida</i>	na
	Cixiidae	<i>Aka</i> sp. BBSH_01	na
	Cixiidae	<i>Chidaea armidalensis</i>	na
	Cixiidae	Cixiidae QVMAG sp. 1	na
	Delphacidae	Delphacini sp. n. BBSH_01 <sup>a</sup>	na
	Delphacidae	Delphacini sp. n. BBSH_02 <sup>a</sup>	na
	Derbidae	<i>Saccharodite</i> sp. TMAG_F95334	na
	Dictyopharidae	Dictyopharidae unplaced sp. TMAG_F114941	na
	Dictyopharidae	<i>Thanatodictya</i> cf. <i>hebe</i>	na
	Dictyopharidae	<i>Thanatodictya</i> QVMAG sp. 1	na
	Flatidae	<i>Anzora unicolor</i>	na
	Flatidae	<i>Siphanta</i> cf. <i>hebes</i>	na
	Flatidae	<i>Siphanta hebes</i>	na
	Flatidae	<i>Siphanta tasmanica</i>	na
	Fulgoridae	<i>Rentinus dilatatus</i>	na
	Membracidae	<i>Ceraon tasmaniae</i>	na
	Membracidae	<i>Sextius</i> cf. <i>virescens</i>	na
	Ricaniidae	<i>Scolytopa australis</i>	na
<b>Aphids and psyllids</b>	Aphididae	Aphididae unplaced	na
	Psyllidae	<i>Acizzia</i> sp. BBSH_01	na
	Psyllidae	<i>Acizzia</i> sp. TMAG_F100925	na
	Psyllidae	<i>Cardiaspina</i> sp. BBSH_01	na
	Psyllidae	<i>Ctenarytaina</i> sp. nr <i>bipartita</i>	na
	Psyllidae	<i>Ctenarytaina</i> sp. nr <i>spatulata</i>	na
	Psyllidae	Psyllidae unplaced	na
	Psyllidae	Psyllidae unplaced sp. TMAG_F114019	na
	Psyllidae	Psyllidae unplaced sp. TMAG_F67423	na
	Psyllidae	Psyllidae unplaced sp. TMAG_F99058	na
<b>Lacewings</b>	Chrysopidae	<i>Apertochrysa edwardsi</i>	na
	Hemerobiidae	<i>Drepanacra binocula</i>	na
	Hemerobiidae	<i>Micromus tasmaniae</i>	Brown Lacewing
	Hemerobiidae	<i>Notherobius nothofagi</i>	na
	Hemerobiidae	<i>Psychobiella sordida</i>	na
	Myrmeleontidae	<i>Escura australis</i>	na
	Myrmeleontidae	Myrmeleontidae QVMAG sp. 1	na
	Myrmeleontidae	Myrmeleontidae unplaced	na
	Myrmeleontidae	Myrmeleontidae sp. BBSH_01	na
	Osmylidae	<i>Stenosmylus tenuis</i>	na
<b>Stick insects</b>	Phasmatidae	<i>Ctenomorpha marginipennis</i>	Margined-winged stick insect

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Group	Family	Species	Common name
<b>Barklice</b>	Psocidae	Psocidae unplaced	na
	Psocidae	Psocidae unplaced sp. TMAG_F114107	na
	Psocidae	Psocidae unplaced sp. TMAG_F114241	na
	Psocidae	Psocidae unplaced sp. TMAG_F115017	na
<b>Earwigs</b>	Anisolabididae	Anisolabididae QVMAG sp. 1	na
	Anisolabididae	<i>Euborellia brunneri</i>	na
	Anisolabididae	<i>Gonolabis</i> unplaced	na
	Labiduridae	<i>Labidura riparia</i>	na
<b>Scorpion-flies</b>	Bittacidae	<i>Harpobittacus australis</i>	na
	Bittacidae	<i>Harpobittacus</i> QVMAG sp. 1	na
<b>Grasshoppers, crickets and katydids</b>	Acrididae	Acrididae unplaced sp. TMAG_F114361	na
	Acrididae	Acridinae QVMAG sp. 1	na
	Acrididae	<i>Austroicetes pusilla</i>	na
	Acrididae	<i>Austroicetes vulgaris</i>	na
	Acrididae	<i>Chortoicetes terminifera</i>	Australian Plague Locust
	Acrididae	<i>Cirphula pyrrhocnemis</i>	na
	Acrididae	<i>Exarna includens</i>	na
	Acrididae	<i>Gastrimargus musicus</i>	Yellow-winged Locust
	Acrididae	<i>Goniaea australasiae</i>	na
	Acrididae	<i>Macrotoma australis</i>	Common Macrotoma
	Acrididae	<i>Phaulacridium vittatum</i>	na
	Acrididae	<i>Schizobothrus flavovittatus</i>	na
	Acrididae	<i>Tasmaniacris tasmaniensis</i>	na
	Acrididae	<i>Urnisa</i> QVMAG sp. 1	na
	Gryllacrididae	<i>Kinemanina ambulans</i>	Raspy Cricket
	Gryllidae	<i>Lepidogryllus parvulus</i>	na
	Gryllidae	<i>Teleogryllus commodus</i>	Black Field Cricket
	Morabidae	<i>Vandiemena viatica</i>	na
	Pyrgomorphidae	<i>Psednura pedestris</i>	na
	Rhaphidophoridae	<i>Parvotettix</i> QVMAG sp. 1	na
	Rhaphidophoridae	<i>Parvotettix</i> unplaced	na
	Tetrigidae	<i>Paratettix argillaceus</i>	na
	Tetrigidae	<i>Paratettix</i> cf. <i>argillaceus</i>	na
	Tetrigidae	<i>Tetrix</i> QVMAG sp. 1	na
	Tettigoniidae	<i>Caedicia simplex</i>	na
	Tettigoniidae	<i>Conocephalus</i> unplaced	na
	Tettigoniidae	<i>Coptaspis lateralis</i>	na
	Tettigoniidae	<i>Zaprochilus australis</i>	na
	Trigonidiidae	<i>Bobilla bakali</i>	na
	Trigonidiidae	<i>Bobilla</i> QVMAG sp. 1	na

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	Trigonidiidae	<i>Bobilla</i> unplaced	na
	Trigonidiidae	<i>Trigonidium albobittata</i>	White-lined Cricket
	Trigonidiidae	<i>Trigonidium canberrae</i>	na
<b>Cockroaches</b>	Blaberidae	<i>Calolampra</i> QVMAG sp. 1	na
	Blaberidae	<i>Calolampra</i> sp. TMAG_F12724	na
	Blattidae	<i>Platyzosteria biglumis</i>	na
	Blattidae	<i>Platyzosteria melanaria</i>	na
	Blattidae	<i>Platyzosteria</i> unplaced	na
	Blattidae	<i>Temnelytra</i> QVMAG sp. 1	na
	Ectobiidae	<i>Balta</i> QVMAG sp. 1	na
	Ectobiidae	<i>Balta</i> QVMAG sp. 2	na
	Ectobiidae	<i>Balta</i> sp. TMAG_F114557	na
	Ectobiidae	<i>Choristima</i> QVMAG sp. 1	na
	Ectobiidae	<i>Ellipsoidion</i> sp. TMAG_F13423	na
<b>Damselflies</b>	Lestidae	<i>Austrolestes analis</i>	Slender Ringtail
	Lestidae	<i>Austrolestes</i> QVMAG sp. 1	na
	Lestidae	<i>Austrolestes</i> QVMAG sp. 2	na
<b>Mantids</b>	Amorphoscelidae	<i>Paraoxyphilus tasmaniensis</i>	na
	Mantidae	<i>Orthodera ministralis</i>	Garden Mantis
	Mantidae	<i>Tenodera australasiae</i>	Purple-winged Mantis
<b>Thrips</b>	Thripidae	<i>Heliothrips haemorrhoidalis</i> <sup>b</sup>	Greenhouse Thrips
<b>Silverfish</b>	Lepismatidae	<i>Heterolepisma buntonorum</i>	na
<b>Spiders</b>	Amaurobiidae	? <i>Tasmabrochus</i> sp.	na
	Amaurobiidae	? <i>Tasmarubrius</i> sp.	na
	Amaurobiidae	Amaurobiidae QVMAG sp. 1 <sup>a</sup>	na
	Anamidae	<i>Chenistonia trevallynia</i>	na
	Araneidae	<i>Novakiella boletus</i>	na
	Araneidae	<i>Araneus circulispsarsus</i>	na
	Araneidae	<i>Araneus hamiltoni</i>	na
	Araneidae	<i>Araneus lodicula</i>	na
	Araneidae	<i>Araneus sydneyicus</i>	na
	Araneidae	<i>Austracantha minax</i>	na
	Araneidae	<i>Backobourkia brouni</i>	na
	Araneidae	<i>Celaenia excavata</i>	na
	Araneidae	<i>Cyclosa fuliginata</i>	na
	Araneidae	<i>Eriophora pustulosa</i>	na
	Araneidae	<i>Eriophora transmarina</i>	na
	Araneidae	<i>Phonognatha graeffei</i>	na
	Araneidae	<i>Plebs bradleyi</i>	na
	Arkyidae	<i>Arkys walckenaeri</i>	na

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	Chaeracanthidae	<i>Eutittha mordax</i>	na
	Clubionidae	<i>Clubiona elaphines</i>	na
	Clubionidae	<i>Clubiona</i> QVMAG sp. 1	na
	Corinnidae	<i>Battalus byrneae</i>	na
	Corinnidae	<i>Nyssus albopunctatus</i>	na
	Corinnidae	<i>Nyssus coloripes</i>	na
	Corinnidae	<i>Poecilopta zbigniewi</i>	na
	Deinopidae	<i>Avella</i> QVMAG sp. 1 <sup>a</sup>	na
	Desidae	<i>Badumna insignis</i>	na
	Desidae	<i>Badumna longinqua</i>	na
	Desidae	<i>Corasoides australis</i>	na
	Desidae	Desidae QVMAG gen. 1 sp. nov. 1 <sup>a</sup>	na
	Desidae	Desidae QVMAG sp. 1 <sup>a</sup>	na
	Desidae	Desidae QVMAG sp. 2 <sup>a</sup>	na
	Desidae	Desidae QVMAG sp. 3 <sup>a</sup>	na
	Desidae	<i>Phryganoporus candidus</i>	na
	Gnaphosidae	<i>Encoptarthria griseus</i>	na
	Gnaphosidae	Gnaphosidae QVMAG sp. 1	na
	Gnaphosidae	<i>Hemicloea tasmani</i>	na
	Gnaphosidae	<i>Intruda signata</i>	na
	Lamponidae	<i>Lampona lomond</i>	na
	Linyphiidae	<i>Laperousea</i> QVMAG sp. 1 <sup>a</sup>	na
	Lycosidae	<i>Artoria albopilata</i>	na
	Lycosidae	<i>Artoria berenice</i>	na
	Lycosidae	<i>Artoria quadrata</i>	na
	Lycosidae	<i>Artoria</i> QVMAG sp. 1 <sup>a</sup>	na
	Lycosidae	<i>Artoria victoriensis</i>	na
	Lycosidae	<i>Artoriopsis expolita</i>	na
	Lycosidae	<i>Artoriopsis joergi</i>	na
	Lycosidae	<i>Artoriopsis melissae</i>	na
	Lycosidae	Lycosidae QVMAG sp. 7 <sup>a</sup>	na
	Lycosidae	<i>Tasmanicosa subrufa</i>	na
	Lycosidae	<i>Tetrallycosa oraria</i>	na
	Lycosidae	<i>Venator spenceri</i>	na
	Lycosidae	<i>Venatrix funesta</i>	na
	Lycosidae	<i>Venatrix penola</i>	na
	Lycosidae	<i>Venatrix pseudospeciosa</i>	na
	Miturgidae	<i>Argoctenus</i> QVMAG sp. 1	na
	Miturgidae	<i>Argoctenus</i> QVMAG sp. 2	na
	Miturgidae	<i>Argoctenus</i> QVMAG sp. 3	na

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	Miturgidae	<i>Elassoctenus harpax</i>	na
	Miturgidae	<i>Elassoctenus</i> QVMAG sp. 1	na
	Miturgidae	<i>Mituliodon tarantulinus</i>	na
	Miturgidae	<i>Miturga agelenina</i>	na
	Miturgidae	Miturgidae QVMAG gen. nov. 1 sp. nov. 1 <sup>a</sup>	na
	Miturgidae	Miturgidae QVMAG sp. 1 <sup>a</sup>	na
	Miturgidae	Miturgidae QVMAG sp. 3 <sup>a</sup>	na
	Miturgidae	Miturgidae QVMAG sp. 4 <sup>a</sup>	na
	Miturgidae	Miturgidae QVMAG sp. 5 <sup>a</sup>	na
	Nicodamidae	<i>Ambicodamus crinitus</i>	na
	Nicodamidae	<i>Ambicodamus sororius</i>	na
	Salticidae	<i>Apricia jovialis</i>	na
	Salticidae	<i>Helpis minitabunda</i>	na
	Salticidae	<i>Jotus braccatus</i>	na
	Salticidae	<i>Jotus frosti</i>	na
	Salticidae	<i>Jotus</i> QVMAG sp. 1	na
	Salticidae	<i>Jotus</i> QVMAG sp. 2	na
	Salticidae	<i>Jotus</i> QVMAG sp. 3	na
	Salticidae	<i>Maratus pavonis</i>	na
	Salticidae	<i>Maratus plumosus</i>	na
	Salticidae	<i>Maratus prozysniskii</i>	na
	Salticidae	<i>Myrmarachne luctuosa</i>	na
	Salticidae	<i>Ocrisiona leucomis</i>	na
	Salticidae	<i>Opisthonus unicolor</i>	na
	Salticidae	<i>Prosthclina</i> QVMAG sp. 1	na
	Salticidae	<i>Prostheclina amplior</i>	na
	Salticidae	<i>Prostheclina basilonesa</i>	na
	Salticidae	<i>Saitis mutans</i>	na
	Salticidae	<i>Saitis</i> QVMAG sp. 1	na
	Salticidae	<i>Saitis</i> QVMAG sp. 2	na
	Salticidae	Salticidae QVMAG gen. 1 sp. nov. 1 <sup>a</sup>	na
	Salticidae	Salticidae QVMAG gen. nov. 2 sp. nov. 1 <sup>a</sup>	na
	Salticidae	Salticidae QVMAG sp. 1 <sup>a</sup>	na
	Salticidae	Salticidae QVMAG sp. 3 <sup>a</sup>	na
	Salticidae	Salticidae QVMAG sp. 4 <sup>a</sup>	na
	Salticidae	<i>Servaea incana</i>	na
	Salticidae	<i>Simaethula</i> QVMAG sp. 1 <sup>a</sup>	na
	Salticidae	<i>Sondra aurea</i>	na
	Segestriidae	<i>Ariadna segmentata</i>	na
	Segestriidae	<i>Gippsicola</i> QVMAG sp. 1 <sup>a</sup>	na

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Group	Family	Species	Common name
	Sparassidae	<i>Neosparassus diana</i>	na
	Sparassidae	<i>Delena cancerides</i>	na
	Sparassidae	<i>Delena spenceri</i>	na
	Sparassidae	<i>Neosparassus patellatus</i>	na
	Sparassidae	<i>Neosparassus</i> QVMAG sp. 2	na
	Stiphidiidae	<i>Stiphidion facetum</i>	na
	Theridiidae	<i>Cryptachaea veruculata</i>	na
	Theridiidae	<i>Steatoda nasata</i>	na
	Theridiidae	Theridiidae QVMAG gen. nov. 1 sp. nov. 1 <sup>a</sup>	na
	Theridiidae	Theridiidae QVMAG sp. 1	na
	Thomisidae	<i>Isala cambridgei</i>	na
	Thomisidae	<i>Isala similis</i>	na
	Thomisidae	<i>Sidymella longipes</i>	na
	Thomisidae	<i>Sidymella</i> QVMAG sp. 1	na
	Thomisidae	<i>Stephanopis lata</i>	na
	Thomisidae	<i>Stephanopis nigra</i>	na
	Thomisidae	<i>Tmarus marmoreus</i>	na
	Toxopidae	<i>Laestrygones setosus</i>	na
	Trochanteriidae	<i>Trachycosmus sculptilis</i>	na
	Zodariidae	<i>Habronestes</i> QVMAG sp. 1 <sup>a</sup>	na
	Zodariidae	<i>Habronestes tasmaniensis</i>	na
	Zodariidae	<i>Neostorena</i> QVMAG sp. 1 <sup>a</sup>	na
	Zodariidae	<i>Neostorena</i> QVMAG sp. 2	na
	Zodariidae	Zodariidae QVMAG sp. 1	na
<b>Scorpions</b>	Bothriuridae	<i>Cercophonius squama</i>	na
<b>Crustaceans</b>	Limnadiidae	<i>Paralimnadia rivolensis</i>	na
<b>Land snails and slugs</b>	Achatinellidae	<i>Tornatellinops jacksonensis</i>	Port Jackson Miniature Treesnail
	Agriolimacidae	<i>Deroceras invadens</i> <sup>b</sup>	Chestnut Slug
	Agriolimacidae	<i>Deroceras reticulatum</i> <sup>b</sup>	Grey Field Slug
	Arionidae	<i>Arion intermedius</i> <sup>b</sup>	Hedgehog Slug
	Caryodidae	<i>Caryodes dufresnii</i>	Walnut Snail
	Charopidae	<i>Scelidoropa officeri</i>	Circular Head Pinwheel Snail
	Charopidae	<i>Stenacapha hamiltoni</i>	na
	Charopidae	<i>Tasmathera limula</i>	Pipers River Pinwheel Snail
	Charopidae	<i>Tasmathera</i> sp. "Murphys Road" <sup>a</sup>	na
	Cystopeltidae	<i>Cystopelta petterdi</i>	na
	Helicarionidae	<i>Helicarion cuvieri</i>	na
	Hygromiidae	<i>Candidula intersecta</i> <sup>b</sup>	Wrinkled Snail

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Group	Family	Species	Common name
	Limacidae	<i>Ambigolimax waterstoni</i> <sup>b</sup>	Striped Field Slug
	Punctidae	<i>Gratilaoma halli</i>	na
	Punctidae	<i>Laomavix collisi</i>	Collis' Pinhead Snail
	Punctidae	<i>Magilaoma</i> sp. "Tasmania"	na
	Punctidae	<i>Paralaoma hobarti</i>	na
	Pupillidae	<i>Omegapilla australis</i>	Bronze Pupasnailed
	Rhytididae	<i>Tasmaphena ruga</i>	Coarse-ribbed Carnivorous Snail
	Rhytididae	<i>Victaphanta lampra</i>	North Tasmanian Carnivorous Snail
	Zonitidae	<i>Oxychilus alliarius</i> <sup>b</sup>	Garlic Snail

**a** Putative new species. **b** Introduced and/or pest species. **c** Listed as threatened under the *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth). **d** Listed as threatened under the *Threatened Species Protection Act 1995* (Tasmania). **na** Not available.

**Table A2 List of flora species recorded**

Group	Family	Species	Common name
Vascular plants	Aizoaceae	<i>Carpobrotus rossii</i>	Native Pigface
	Aizoaceae	<i>Disphyma crassifolium</i> subsp. <i>clavellatum</i>	Roundleaf Pigface
	Aizoaceae	<i>Tetragonia implexicoma</i>	Bower Spinach
	Amaryllidaceae	<i>Amaryllis belladonna</i> <sup>b</sup>	na
	Amaryllidaceae	<i>Nerine sarniensis</i> <sup>b</sup>	na
	Apiaceae	<i>Apium prostratum</i> var. <i>filiforme</i>	Slender Sea-celery
	Apiaceae	<i>Eryngium vesiculosum</i>	Prickfoot
	Apocynaceae	<i>Alyxia buxifolia</i>	Seabox
	Araliaceae	<i>Hydrocotyle foveolata</i>	Yellow Pennywort
	Araliaceae	<i>Hydrocotyle hirta</i>	Hairy Pennywort
	Araliaceae	<i>Hydrocotyle muscosa</i>	Mossy Pennywort
	Asparagaceae	<i>Lomandra longifolia</i>	Sagg
	Aspleniaceae	<i>Asplenium flabellifolium</i>	Necklace Fern
	Asteraceae	<i>Actites megalocarpus</i>	Dune Thistle
	Asteraceae	<i>Argentipallium dealbatum</i>	White Everlasting
	Asteraceae	<i>Brachyscome spathulata</i>	na
	Asteraceae	<i>Calocephalus lacteus</i> <sup>d</sup>	Milky Beautyheads
	Asteraceae	<i>Carduus tenuiflorus</i> <sup>b</sup>	Winged Thistle
	Asteraceae	<i>Cassinia aculeata</i> subsp. <i>aculeata</i>	Common Dollybush
	Asteraceae	<i>Centipeda elatinoides</i>	Spreading Sneezeweed
	Asteraceae	<i>Chrysocephalum apiculatum</i> subsp. <i>apiculatum</i>	na
	Asteraceae	<i>Cirsium vulgare</i> <sup>b</sup>	Spear Thistle
	Asteraceae	<i>Cotula australis</i>	Southern Buttons
	Asteraceae	<i>Cotula coronopifolia</i> <sup>b</sup>	Water Buttons
	Asteraceae	<i>Erigeron sumatrensis</i> <sup>b</sup>	Tall Fleabane
	Asteraceae	<i>Euchiton involucratus</i>	Star Cottonleaf
	Asteraceae	<i>Euchiton japonicus</i>	Common Cottonleaf
	Asteraceae	<i>Euchiton sphaericus</i>	Globe Cottonleaf
	Asteraceae	<i>Hypochaeris radicata</i> <sup>b</sup>	Rough Catsear
	Asteraceae	<i>Lagenophora gunniana</i>	na
	Asteraceae	<i>Lagenophora sublyrata</i>	na
	Asteraceae	<i>Leontodon saxatilis</i> <sup>b</sup>	Hairy Hawkbit
	Asteraceae	<i>Leucophyta brownii</i>	Cushionbush
	Asteraceae	<i>Olearia axillaris</i>	Coast Daisybush
	Asteraceae	<i>Ozothamnus turbinatus</i>	Coast Everlastingbush
	Asteraceae	<i>Pseudognaphalium luteoalbum</i>	Jersey Cudweed
	Asteraceae	<i>Senecio biserratus</i>	Jagged Fireweed
	Asteraceae	<i>Senecio jacobaea</i> <sup>b</sup>	Ragwort



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Group	Family	Species	Common name
	Asteraceae	<i>Senecio minimus</i>	Shrubby Fireweed
	Asteraceae	<i>Senecio prenanthoides</i>	Common Fireweed
	Asteraceae	<i>Senecio vulgaris</i> <sup>b</sup>	Groundsel
	Asteraceae	<i>Solenogyne dominii</i>	Smooth Flat-Herb
	Asteraceae	<i>Sonchus asper</i> <sup>b</sup>	Prickly Sowthistle
	Asteraceae	<i>Sonchus oleraceus</i> <sup>b</sup>	Sow Thistle
	Asteraceae	<i>Vellereophyton dealbatum</i> <sup>b</sup>	White Cudweed
	Asteraceae	<i>Xerochrysum palustre</i> <sup>c d</sup>	Swamp Everlasting
	Blechnaceae	<i>Blechnum nudum</i>	Fishbone Waterfern
	Boraginaceae	<i>Myosotis discolor</i> <sup>b</sup>	Changing Forget-me-not
	Brassicaceae	<i>Cakile maritima</i> subsp. <i>maritima</i> <sup>b</sup>	Searocket
	Campanulaceae	<i>Lobelia anceps</i>	Angled Lobelia
	Campanulaceae	<i>Lobelia pedunculata</i>	Matted Lobelia
	Caryophyllaceae	<i>Moenchia erecta</i> <sup>b</sup>	Erect Chickweed
	Caryophyllaceae	<i>Polycarpon tetraphyllum</i> <sup>b</sup>	Fourleaf Allseed
	Caryophyllaceae	<i>Spergularia tasmanica</i>	Greater Seaspurrey
	Caryophyllaceae	<i>Stellaria pungens</i>	Prickly Starwort
	Casuarinaceae	<i>Allocasuarina littoralis</i>	Black Sheoak
	Casuarinaceae	<i>Allocasuarina monilifera</i>	Necklace Sheoak
	Centrolepidaceae	<i>Centrolepis strigosa</i> subsp. <i>strigosa</i>	Hairy Bristlewort
	Chenopodiaceae	<i>Atriplex billardierei</i>	Glistening Saltbush
	Chenopodiaceae	<i>Atriplex cinerea</i>	Grey Saltbush
	Chenopodiaceae	<i>Atriplex prostrata</i>	Creeping Orache
	Chenopodiaceae	<i>Chenopodium glaucum</i> <sup>b</sup>	Pale Goosefoot
	Chenopodiaceae	<i>Dysphania pumilio</i> <sup>b</sup>	Small Crumbweed
	Chenopodiaceae	<i>Rhagodia candolleana</i> subsp. <i>candolleana</i>	Coastal Saltbush
	Chenopodiaceae	<i>Suaeda australis</i>	Southern Seablite
	Colchicaceae	<i>Burchardia umbellata</i>	Milkmaids
	Convolvulaceae	<i>Dichondra repens</i>	Kidneyweed
	Crassulaceae	<i>Crassula decumbens</i>	Spreading Stonecrop
	Crassulaceae	<i>Crassula natans</i> var. <i>minor</i>	Floating Stonecrop
	Cyperaceae	<i>Carex appressa</i>	na
	Cyperaceae	<i>Carex inversa</i>	Knob Sedge
	Cyperaceae	<i>Cyperus gunnii</i>	Flecked Flatsedge
	Cyperaceae	<i>Eleocharis acuta</i>	Common Spikesedge
	Cyperaceae	<i>Ficinia nodosa</i>	Knobby Clubsedge
	Cyperaceae	<i>Isolepis inundata</i>	Swamp Clubsedge
	Cyperaceae	<i>Isolepis levynsiana</i> <sup>b</sup>	Tiny Flatsedge
	Cyperaceae	<i>Lepidosperma concavum</i>	Sand Swordsedge
	Cyperaceae	<i>Lepidosperma ensiforme</i>	Arching Swordsedge

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Group	Family	Species	Common name
	Cyperaceae	<i>Lepidosperma forsythii</i> <sup>d</sup>	Stout Rapiersedge
	Cyperaceae	<i>Lepidosperma gladiatum</i>	Coast Swordsedge
	Cyperaceae	<i>Lepidosperma longitudinale</i>	Pithy Swordsedge
	Cyperaceae	<i>Machaerina acuta</i>	Pale Twigsedge
	Cyperaceae	<i>Machaerina juncea</i>	Bare Twigsedge
	Cyperaceae	<i>Schoenoplectus pungens</i>	Sharp Clubsedge
	Cyperaceae	<i>Schoenus apogon</i>	Common Bogsedge
	Cyperaceae	<i>Schoenus turbinatus</i>	Heathland Bogsedge
	Dennstaedtiaceae	<i>Pteridium esculentum</i>	na
	Dicksoniaceae	<i>Dicksonia antarctica</i>	Soft Treefern
	Dilleniaceae	<i>Hibbertia acicularis</i>	Prickly Guineaflower
	Dilleniaceae	<i>Hibbertia procumbens</i>	Spreading Guineaflower
	Dilleniaceae	<i>Hibbertia sericea</i> var. <i>sericea</i>	Silky Guineaflower
	Dilleniaceae	<i>Hibbertia virgata</i> <sup>d</sup>	Twiggy Guineaflower
	Droseraceae	<i>Drosera auriculata</i>	Tall Sundew
	Droseraceae	<i>Drosera hookeri</i>	Grassland Sundew
	Droseraceae	<i>Drosera peltata</i>	Pale Sundew
	Droseraceae	<i>Drosera pygmaea</i>	Dwarf Sundew
	Dryopteridaceae	<i>Polystichum proliferum</i>	Mother Shieldfern
	Elaeocarpaceae	<i>Tetratheca labillardierei</i>	Glandular Pinkbells
	Ericaceae	<i>Epacris impressa</i>	Common Heath
	Ericaceae	<i>Epacris lanuginosa</i>	Swamp Heath
	Ericaceae	<i>Leucopogon australis</i>	Spike Beardheath
	Ericaceae	<i>Leucopogon parviflorus</i>	Coast Beardheath
	Ericaceae	<i>Leucopogon virgatus</i> var. <i>virgatus</i>	Twiggy Beardheath
	Ericaceae	<i>Monotoca elliptica</i>	Tree Broomheath
	Ericaceae	<i>Monotoca glauca</i>	Goldey Wood
	Ericaceae	<i>Sprengelia incarnata</i>	Pink Swampheath
	Ericaceae	<i>Styphelia adscendens</i>	Golden Heath
	Euphorbiaceae	<i>Amperea xiphoclada</i> var. <i>xiphoclada</i>	Broom Spurge
	Euphorbiaceae	<i>Euphorbia lathyris</i> <sup>b</sup>	Caper Spurge
	Euphorbiaceae	<i>Euphorbia paralias</i> <sup>b</sup>	Sea Spurge
	Euphorbiaceae	<i>Euphorbia peplus</i> <sup>b</sup>	Petty Spurge
	Fabaceae	<i>Acacia dealbata</i> subsp. <i>dealbata</i>	Silver Wattle
	Fabaceae	<i>Acacia longifolia</i> subsp. <i>sophorae</i>	Coast Wattle
	Fabaceae	<i>Acacia melanoxylon</i>	Blackwood
	Fabaceae	<i>Acacia mucronata</i> subsp. <i>longifolia</i>	Longleaf Caterpillar Wattle
	Fabaceae	<i>Acacia myrtifolia</i>	Redstem Wattle
	Fabaceae	<i>Acacia stricta</i>	Hop Wattle

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	Fabaceae	<i>Acacia suaveolens</i>	Sweet Wattle
	Fabaceae	<i>Acacia terminalis</i>	Sunshine Wattle
	Fabaceae	<i>Acacia verticillata</i> subsp. <i>verticillata</i>	Prickly Moses
	Fabaceae	<i>Aotus ericoides</i>	Golden Pea
	Fabaceae	<i>Bossiaea cinerea</i>	Showy Bossia
	Fabaceae	<i>Daviesia ulicifolia</i> subsp. <i>ulicifolia</i>	Yellow Spiky Bitterpea
	Fabaceae	<i>Dillwynia glaberrima</i>	Smooth Parrotpea
	Fabaceae	<i>Dillwynia sericea</i>	Showy Parrotpea
	Fabaceae	<i>Glycine microphylla</i> <sup>d</sup>	Small-Leaf Glycine
	Fabaceae	<i>Gompholobium huegelii</i>	Common Wedgepea
	Fabaceae	<i>Kennedia prostrata</i>	Running Postman
	Fabaceae	<i>Lotus subbiflorus</i>	Hairy Birdsfoot-trefoil
	Fabaceae	<i>Platylobium triangulare</i>	Arrow Flatpea
	Fabaceae	<i>Pultenaea daphnoides</i>	Heartleaf Bushpea
	Fabaceae	<i>Pultenaea dentata</i>	Swamp Bushpea
	Fabaceae	<i>Pultenaea gunnii</i> subsp. <i>gunnii</i>	Delicate Golden Bushpea
	Fabaceae	<i>Trifolium arvense</i> <sup>b</sup>	Haresfoot Clover
	Fabaceae	<i>Trifolium cernuum</i> <sup>b</sup>	Nodding Clover
	Fabaceae	<i>Trifolium fragiferum</i> <sup>b</sup>	Strawberry Clover
	Gentianaceae	<i>Centaurium erythraea</i> <sup>b</sup>	Common Centaury
	Gentianaceae	<i>Centaurium tenuiflorum</i> <sup>b</sup>	Slender Centaury
	Gentianaceae	<i>Schenkia australis</i> <sup>d</sup>	Spike Centaury
	Gentianaceae	<i>Sebaea ovata</i>	Yellow Sebaea
	Geraniaceae	<i>Geranium molle</i> <sup>b</sup>	Soft Cranesbill
	Geraniaceae	<i>Pelargonium inodorum</i>	Annual Storksbill
	Gleicheniaceae	<i>Gleichenia dicarpa</i>	Pouched Coralfern
	Gleicheniaceae	<i>Gleichenia microphylla</i>	Scrambling Coralfern
	Goodeniaceae	<i>Goodenia humilis</i>	Swamp Native-primrose
	Goodeniaceae	<i>Goodenia lanata</i>	Trailing Native-primrose
	Goodeniaceae	<i>Goodenia ovata</i>	Hop Native-primrose
	Goodeniaceae	<i>Selliera radicans</i>	Shiny Swampmat
	Haloragaceae	<i>Gonocarpus micranthus</i> subsp. <i>micranthus</i>	Creeping Raspwort
	Haloragaceae	<i>Gonocarpus tetragynus</i>	Common Raspwort
	Hemerocallidaceae	<i>Caesia parviflora</i> var. <i>parviflora</i>	Pale Grasslily
	Hemerocallidaceae	<i>Dianella revoluta</i> var. <i>revoluta</i>	Spreading Flaxlily
	Hypericaceae	<i>Hypericum japonicum</i>	Matted St Johns-wort
	Hypoxidaceae	<i>Hypoxis hygrometrica</i> var. <i>hygrometrica</i>	Golden Weatherglass
	Iridaceae	<i>Patersonia fragilis</i>	Short Purpleflag
	Iridaceae	<i>Patersonia occidentalis</i> var. <i>occidentalis</i>	Long Purpleflag
	Iridaceae	<i>Romulea rosea</i> <sup>b</sup>	Lilac Oniongrass

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Group	Family	Species	Common name
	Juncaceae	<i>Juncus acutiflorus</i>	Sharpflower Rush
	Juncaceae	<i>Juncus articulatus</i> <sup>b</sup>	Jointed Rush
	Juncaceae	<i>Juncus bufonius</i>	Toad Rush
	Juncaceae	<i>Juncus bulbosus</i> <sup>b</sup>	Bulbous Rush
	Juncaceae	<i>Juncus capitatus</i> <sup>b</sup>	Capitate Rush
	Juncaceae	<i>Juncus pallidus</i>	Pale Rush
	Juncaceae	<i>Juncus pauciflorus</i>	Looseflower Rush
	Juncaceae	<i>Juncus planifolius</i>	Broadleaf Rush
	Juncaceae	<i>Juncus subsecundus</i>	Finger Rush
	Lauraceae	<i>Cassytha glabella</i> f. <i>dispar</i>	na
	Lauraceae	<i>Cassytha melantha</i>	Large Dodderlaurel
	Lauraceae	<i>Cassytha pubescens</i>	Downy Dodderlaurel
	Lentibulariaceae	<i>Utricularia lateriflora</i>	Tiny Bladderwort
	Loganiaceae	<i>Mitrasacme pilosa</i> var. <i>pilosa</i>	Hairy Mitrewort
	Loganiaceae	<i>Phyllangium divergens</i> <sup>d</sup>	Wiry Mitrewort
	Luzuriagaceae	<i>Drymophila cyanocarpa</i>	Turquoise Berry
	Lythraceae	<i>Lythrum hyssopifolia</i>	Small Loosestrife
	Malvaceae	<i>Lasiopetalum baueri</i> <sup>d</sup>	Slender Velvetbush
	Menyanthaceae	<i>Ornduffia reniformis</i>	Running Marshflower
	Myrtaceae	<i>Eucalyptus amygdalina</i>	Black Peppermint
	Myrtaceae	<i>Eucalyptus ovata</i> var. <i>ovata</i>	Black Gum
	Myrtaceae	<i>Euryomyrtus parviflora</i>	Creeping Heathmyrtle
	Myrtaceae	<i>Leptospermum lanigerum</i>	Woolly Teatree
	Myrtaceae	<i>Leptospermum scoparium</i>	Common Teatree
	Myrtaceae	<i>Melaleuca ericifolia</i>	Coast Paperbark
	Myrtaceae	<i>Melaleuca gibbosa</i>	Slender Honeymyrtle
	Myrtaceae	<i>Melaleuca squarrosa</i>	Scented Paperbark
	Onagraceae	<i>Epilobium billardioreanum</i> subsp. <i>cinereum</i>	Grey Willowherb
	Orchidaceae	<i>Dipodium roseum</i>	Rosy Hyacinth-orchid
	Orchidaceae	<i>Diuris sulphurea</i>	Tiger Orchid
	Orchidaceae	<i>Eriochilus cucullatus</i>	Pale Autumn Orchid
	Orobanchaceae	<i>Bellardia viscosa</i> <sup>b</sup>	Yellow Glandweed
	Oxalidaceae	<i>Oxalis perennans</i>	Grassland Woodsorrel
	Oxalidaceae	<i>Oxalis radicata</i>	Stoutroot Woodsorrel
	Oxalidaceae	<i>Oxalis rubens</i>	na
	Phyllanthaceae	<i>Phyllanthus gunnii</i>	Shrubby Spurge
	Phyllanthaceae	<i>Poranthera microphylla</i>	Small Poranthera
	Pittosporaceae	<i>Billardiera macrantha</i>	Forest Appleberry
	Pittosporaceae	<i>Billardiera mutabilis</i>	Green Appleberry
	Pittosporaceae	<i>Bursaria spinosa</i> subsp. <i>spinosa</i>	Prickly Box

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	Plantaginaceae	<i>Kickxia elatine</i> subsp. <i>elatine</i> <sup>b</sup>	Sharpleaf Toadflax
	Plantaginaceae	<i>Plantago coronopus</i> subsp. <i>coronopus</i> <sup>b</sup>	Slender Buckshorn Plantain
	Plantaginaceae	<i>Veronica gracilis</i>	Slender Speedwell
	Poaceae	<i>Agrostis capillaris</i> <sup>b</sup>	Browntop Bent
	Poaceae	<i>Agrostis stolonifera</i> <sup>b</sup>	Creeping Bent
	Poaceae	<i>Aira elegantissima</i> <sup>b</sup>	Delicate Hairgrass
	Poaceae	<i>Aira praecox</i> <sup>b</sup>	Early Hairgrass
	Poaceae	<i>Anthoxanthum odoratum</i> <sup>b</sup>	Sweet Vernalgrass
	Poaceae	<i>Austrostipa flavescens</i>	Yellow Speargrass
	Poaceae	<i>Austrostipa mollis</i>	Soft Speargrass
	Poaceae	<i>Austrostipa pubinodis</i>	Tall Speargrass
	Poaceae	<i>Austrostipa stipoides</i>	Coast Speargrass
	Poaceae	<i>Briza minor</i> <sup>b</sup>	Lesser Quaking-grass
	Poaceae	<i>Bromus diandrus</i> <sup>b</sup>	Great Brome
	Poaceae	<i>Bromus hordeaceus</i> <sup>b</sup>	Soft Brome
	Poaceae	<i>Calamagrostis arenaria</i> <sup>b</sup>	Marram Grass
	Poaceae	<i>Cynosurus echinatus</i> <sup>b</sup>	Rough Dogstail
	Poaceae	<i>Dactylis glomerata</i> <sup>b</sup>	Cocksfoot
	Poaceae	<i>Deyeuxia quadriseta</i>	Reed Bentgrass
	Poaceae	<i>Dichelachne crinite</i>	Longhair Plumegrass
	Poaceae	<i>Distichlis distichophylla</i>	Australian Saltgrass
	Poaceae	<i>Echinopogon ovatus</i>	Hedgehog Grass
	Poaceae	<i>Eragrostis brownie</i>	Common Lovegrass
	Poaceae	<i>Festuca rubra</i> <sup>b</sup>	Red Fescue
	Poaceae	<i>Hemarthria uncinata</i> var. <i>uncinate</i>	Hooked Matgrass
	Poaceae	<i>Holcus lanatus</i> <sup>b</sup>	Yorkshire Fog
	Poaceae	<i>Hordeum hystrix</i> <sup>b</sup>	Mediterranean Barleygrass
	Poaceae	<i>Imperata cylindrica</i>	Blady Grass
	Poaceae	<i>Lachnagrostis aemula</i>	Tumbling Blowngrass
	Poaceae	<i>Lachnagrostis filiformis</i>	Common Blowngrass
	Poaceae	<i>Lagurus ovatus</i> <sup>b</sup>	Hare's-tail Grass
	Poaceae	<i>Lolium arundinaceum</i> <sup>b</sup>	Tall Fescue
	Poaceae	<i>Lolium perenne</i> <sup>b</sup>	Perennial Ryegrass
	Poaceae	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
	Poaceae	<i>Paspalum dilatatum</i> <sup>b</sup>	Paspalum
	Poaceae	<i>Pentapogon quadrifidus</i>	Five-Awned Speargrass
	Poaceae	<i>Phalaris aquatica</i> <sup>b</sup>	Toowoomba Canary-grass
	Poaceae	<i>Phragmites australis</i>	Southern Reed

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	Poaceae	<i>Poa labillardierei</i> var. <i>labillardierei</i>	Silver Tussockgrass
	Poaceae	<i>Polypogon maritimus</i> var. <i>subspatheaceus</i> <sup>b</sup>	Coast Beardgrass
	Poaceae	<i>Rytidosperma geniculatum</i>	Kneed Wallabygrass
	Poaceae	<i>Rytidosperma pilosum</i>	Velvet Wallabygrass
	Poaceae	<i>Rytidosperma racemosum</i> var. <i>racemosum</i>	Stiped Wallabygrass
	Poaceae	<i>Spinifex sericeus</i>	Beach Spinifex
	Poaceae	<i>Sporobolus africanus</i> <sup>b</sup>	Rat's-tail Grass
	Poaceae	<i>Stenotaphrum secundatum</i> <sup>b</sup>	Buffalo Grass
	Poaceae	<i>Themeda triandra</i>	Kangaroo Grass
	Poaceae	<i>Thinopyrum junceiforme</i> <sup>b</sup>	Sea Wheatgrass
	Poaceae	<i>Vulpia bromoides</i> <sup>b</sup>	Squirrel-tail Fescue
	Poaceae	<i>Vulpia myuros</i> <sup>b</sup>	Rat's-tail Fescue
	Polygalaceae	<i>Comesperma defoliatum</i> <sup>d</sup>	Leafless Milkwort
	Polygonaceae	<i>Muehlenbeckia adpressa</i>	Climbing Lignum
	Polygonaceae	<i>Persicaria prostrata</i>	Creeping Waterpepper
	Polygonaceae	<i>Rumex acetosella</i> <sup>b</sup>	Sheep Sorrel
	Portulacaceae	<i>Montia australiasica</i>	White Purslane
	Potamogetonaceae	<i>Potamogeton cheesemaniai</i>	na
	Primulaceae	<i>Lysimachia arvensis</i> <sup>b</sup>	Scarlet Pimpernel
	Proteaceae	<i>Banksia marginata</i>	Silver Banksia
	Proteaceae	<i>Hakea teretifolia</i> subsp. <i>hirsuta</i>	Dagger Needlebush
	Pteridaceae	<i>Adiantum aethiopicum</i>	Common Maidenhair
	Pteridaceae	<i>Pteris comans</i>	Netted Brake
	Ranunculaceae	<i>Ranunculus sessiliflorus</i> var. <i>sessiliflorus</i>	Rockplate Buttercup
	Resedaceae	<i>Reseda luteola</i> <sup>b</sup>	Weld
	Restionaceae	<i>Empodisma minus</i>	Spreading Roperush
	Restionaceae	<i>Eurychorda complanata</i>	Flat Cordrush
	Restionaceae	<i>Hypolaena fastigiata</i>	Tassel Roperush
	Restionaceae	<i>Leptocarpus tenax</i>	Slender Twinerush
	Rhamnaceae	<i>Pomaderris apetala</i> subsp. <i>apetala</i>	Grampians Pomaderris
	Rhamnaceae	<i>Pomaderris apetala</i> subsp. <i>maritima</i>	Coast Dogwood
	Rosaceae	<i>Acaena echinate</i>	na
	Rosaceae	<i>Acaena novae-zelandiae</i>	Common Buzzy
	Rosaceae	<i>Argentina anserina</i> <sup>b</sup>	Silverweed
	Rosaceae	<i>Rubus parvifolius</i>	Native Raspberry
	Rubiaceae	<i>Asperula minima</i> <sup>d</sup>	Mossy Woodruff
	Rubiaceae	<i>Galium leiocarpum</i>	Smoothfruit Bedstraw
	Rubiaceae	<i>Opercularia varia</i>	Variable Stinkweed
	Rutaceae	<i>Boronia parviflora</i>	Swamp Boronia
	Rutaceae	<i>Correa alba</i> var. <i>alba</i>	White Correa

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	Rutaceae	<i>Zieria arborescens</i> subsp. <i>arborescens</i>	Stinkwood
	Santalaceae	<i>Exocarpos strictus</i>	Pearly Native-cherry
	Santalaceae	<i>Leptomeria drupacea</i>	Erect Currantbush
	Scrophulariaceae	<i>Limosella australis</i>	Southern Mudwort
	Scrophulariaceae	<i>Myoporum insulare</i>	Common Boobialla
	Scrophulariaceae	<i>Verbascum thapsus</i> <sup>b</sup>	Great Mullein
	Selaginellaceae	<i>Selaginella gracillima</i>	Tiny Spikemoss
	Selaginellaceae	<i>Selaginella uliginosa</i>	Swamp Spikemoss
	Solanaceae	<i>Lycium ferocissimum</i> <sup>b</sup>	African Boxthorn
	Solanaceae	<i>Solanum nigrum</i> <sup>b</sup>	Blackberry Nightshade
	Solanaceae	<i>Solanum vescum</i>	Gunyang
	Stylidiaceae	<i>Stylidium armeria</i> subsp. <i>armeria</i>	Broadleaf Triggerplant
	Stylidiaceae	<i>Stylidium beaugleholei</i> <sup>d</sup>	Blushing Triggerplant
	Stylidiaceae	<i>Stylidium despectum</i> <sup>d</sup>	Small Triggerplant
	Stylidiaceae	<i>Stylidium perpusillum</i> <sup>d</sup>	Tiny Triggerplant
	Violaceae	<i>Viola hederacea</i> subsp. <i>hederacea</i>	Ivyleaf Violet
	Xanthorrhoeaceae	<i>Xanthorrhoea australis</i>	Austral Grasstree
<b>Liverworts</b>	Aytoniaceae	<i>Asterella drummondii</i>	na
	Fossombroniaceae	<i>Fossombronia</i> sp. Stony Head 1	na
	Frullaniaceae	<i>Frullania clavate</i>	na
	Frullaniaceae	<i>Frullania deplanata</i>	na
	Frullaniaceae	<i>Frullania probosciphora</i>	na
	Frullaniaceae	<i>Frullania rostrata</i>	na
	Lepidoziaceae	<i>Bazzania adnexa</i> var. <i>adnexa</i>	na
	Lepidoziaceae	<i>Lepidozia</i> sp. Stony Head 1	na
	Lophocoleaceae	<i>Chiloscyphus</i> aff. <i>semiteres</i>	na
	Lophocoleaceae	<i>Chiloscyphus semiteres</i>	na
	Lophocoleaceae	<i>Chiloscyphus</i> sp. Stony Head 1	na
	Lophocoleaceae	<i>Chiloscyphus</i> sp. Stony Head 2	na
	Lophocoleaceae	<i>Heteroscyphus</i> sp. Stony Head 1	na
	Lunulariaceae	<i>Lunularia cruciate</i>	na
	Marchantiaceae	<i>Marchantia berteriana</i>	na
	Metzgeriaceae	<i>Metzgeria furcata</i>	na
	Ricciaceae	<i>Riccia</i> sp. Stony Head 1	na
<b>Mosses</b>	Bartramiaceae	<i>Breutelia affinis</i>	na
	Bartramiaceae	<i>Philonotis australiensis</i>	na
	Brachytheciaceae	<i>Brachythecium albicans</i> <sup>b</sup>	na
	Brachytheciaceae	<i>Brachythecium</i> sp. Stony Head 1	na
	Brachytheciaceae	<i>Eurhynchium praelongum</i> <sup>b</sup>	na
	Brachytheciaceae	<i>Rhynchostegium tenuifolium</i>	na

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Group	Family	Species	Common name
	Bryaceae	<i>Gemmabryum</i> sp. Stony Head 1	na
	Bryaceae	<i>Rosulabryum billardierii</i>	na
	Bryaceae	<i>Rosulabryum subtomentosum</i>	na
	Bryaceae	<i>Rosulabryum torquescens</i>	na
	Daltoniaceae	<i>Calyptrochaeta apiculata</i>	na
	Dicranaceae	<i>Dicranoloma billardierii</i>	na
	Dicranaceae	<i>Dicranoloma dicarpum</i>	na
	Dicranaceae	<i>Dicranoloma menziesii</i>	na
	Ditrichaceae	<i>Ceratodon purpureus</i>	na
	Ditrichaceae	<i>Ditrichum difficile</i>	na
	Fissidentaceae	<i>Fissidens asplenioides</i>	na
	Fissidentaceae	<i>Fissidens curvatus</i> var. <i>curvatus</i>	na
	Fissidentaceae	<i>Fissidens taylorii</i>	na
	Fissidentaceae	<i>Fissidens tenellus</i> var. <i>australiensis</i>	na
	Funariaceae	<i>Funaria hygrometrica</i>	na
	Hypnaceae	<i>Hypnum cupressiforme</i>	na
	Lembophyllaceae	<i>Lembophyllum clandestinum</i>	na
	Leucobryaceae	<i>Campylopus appressifolius</i>	na
	Leucobryaceae	<i>Campylopus bicolor</i>	na
	Leucobryaceae	<i>Campylopus clavatus</i>	na
	Leucobryaceae	<i>Campylopus introflexus</i>	na
	Leucobryaceae	<i>Campylopus pallidus</i>	na
	Orthodontiaceae	<i>Leptotheca gaudichaudii</i> var. <i>gaudichaudii</i>	na
	Orthodontiaceae	<i>Orthodontium lineare</i>	na
	Orthotrichaceae	<i>Macromitrium archeri</i>	na
	Orthotrichaceae	<i>Zygodon menziesii</i>	na
	Orthotrichaceae	<i>Zygodon minutus</i>	na
	Polytrichaceae	<i>Polytrichum juniperinum</i>	na
	Pottiaceae	<i>Barbula calycina</i>	na
	Pottiaceae	<i>Didymodon torquatus</i>	na
	Pottiaceae	<i>Hymenostomum sullivanii</i>	na
	Pottiaceae	<i>Syntrichia antarctica</i>	na
	Pottiaceae	<i>Syntrichia papillosa</i>	na
	Pottiaceae	<i>Tortula muralis</i>	na
	Pottiaceae	<i>Triquetrella papillate</i>	na
	Pottiaceae	<i>Weissia controversa</i>	na
	Pottiaceae	<i>Weissia</i> sp. Stony Head 1	na
	Ptychomniaceae	<i>Ptychomnion aciculare</i>	na
	Pylaisiadelphaceae	<i>Wijkia extenuate</i>	na
	Racopilaceae	<i>Racopilum cuspidigerum</i> var. <i>convolutaceum</i>	na



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Group	Family	Species	Common name
	Rhizogoniaceae	<i>Pyrrhobryum paramattense</i>	na
	Sematophyllaceae	<i>Rhaphidorrhynchium amoenum</i> var. <i>amoenum</i>	na
	Sematophyllaceae	<i>Sematophyllum homomallum</i>	na
	Sematophyllaceae	<i>Warburgiella macrospora</i>	na
	Sphagnaceae	<i>Sphagnum novozelandicum</i>	na
	Splachnaceae	<i>Tayloria octoblepharum</i>	na
	Thuidiaceae	<i>Thuidiopsis furfurosa</i>	na
	Thuidiaceae	<i>Thuidiopsis sparsa</i>	na
<b>Lichens</b>	Acarosporaceae	<i>Acarospora citrina</i>	na
	Acarosporaceae	<i>Acarospora fuscata</i>	na
	Arthoniaceae	<i>Arthonia</i> cf. <i>anombrophila</i>	na
	Arthoniaceae	<i>Arthonia</i> cf. <i>apteropteridis</i>	na
	Arthoniaceae	<i>Arthonia cinnabarina</i>	na
	Arthoniaceae	<i>Arthonia ilicina</i>	na
	Arthoniaceae	<i>Arthonia</i> spp. indet.	na
	Arthoniaceae	<i>Arthothelium ampliatum</i>	na
	Arthoniaceae	<i>Arthothelium endoaurantiacum</i>	na
	Arthoniaceae	<i>Arthothelium interveniens</i>	na
	Caliciaceae	? <i>Thelomma</i> sp.	na
	Caliciaceae	<i>Calicium glaucellum</i>	na
	Caliciaceae	<i>Calicium tricolor</i>	na
	Caliciaceae	<i>Calicium victorianum</i> subsp. <i>victorianum</i>	na
	Caliciaceae	<i>Pseudothelomma ocellatum</i>	na
	Candelariaceae	<i>Candelariella vitellina</i>	na
	Candelariaceae	<i>Candelariella xanthostigmoides</i>	na
	Carbonicolaceae	<i>Carbonicola foveate</i>	na
	Catillariaceae	<i>Catillaria austrolittoralis</i>	na
	Catillariaceae	<i>Halecania subsquamosa</i>	na
	Chrysotrichaceae	<i>Chrysothrix sulphurella</i>	na
	Chrysotrichaceae	<i>Chrysothrix xanthina</i>	na
	Cladoniaceae	<i>Cladia aggregate</i>	na
	Cladoniaceae	<i>Cladia inflata</i>	na
	Cladoniaceae	<i>Cladia retipora</i>	na
	Cladoniaceae	<i>Cladia schizopora</i>	na
	Cladoniaceae	<i>Cladonia capitellata</i> var. <i>squamatica</i>	na
	Cladoniaceae	<i>Cladonia confuse</i>	na
	Cladoniaceae	<i>Cladonia humilis</i> var. <i>humilis</i>	na
	Cladoniaceae	<i>Cladonia merochlorophaea</i>	na
	Cladoniaceae	<i>Cladonia paeminosa</i>	na
	Cladoniaceae	<i>Cladonia praetermissa</i> var. <i>praetermissa</i>	na

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Group	Family	Species	Common name
	Cladoniaceae	<i>Cladonia ramulosa</i>	na
	Cladoniaceae	<i>Cladonia rigida</i> var. <i>rigida</i>	na
	Cladoniaceae	<i>Cladonia subradiata</i>	na
	Cladoniaceae	<i>Cladonia verticillate</i>	na
	Cladoniaceae	<i>Thysanothecium scutellatum</i>	na
	Coenogoniaceae	<i>Coenogonium implexum</i>	na
	Coenogoniaceae	<i>Coenogonium luteum</i>	na
	Coenogoniaceae	<i>Coenogonium</i> sp. <sup>a</sup>	na
	Collemataceae	? <i>Collema fasciculare</i> var. <i>fasciculare</i>	na
	Collemataceae	<i>Collema glaucophthalmum</i> var. <i>glaucophthalmum</i>	na
	Collemataceae	<i>Collema glaucophthalmum</i> var. <i>implicatum</i>	na
	Collemataceae	<i>Collema subconveniens</i>	na
	Collemataceae	<i>Leptogium crispatellum</i>	na
	Fuscideaceae	<i>Fuscidea lightfootii</i>	na
	Fuscideaceae	<i>Maronea constans</i>	na
	Graphidaceae	<i>Diploschistes euganeus</i>	na
	Graphidaceae	<i>Graphis desquamescens</i>	na
	Graphidaceae	<i>Graphis dracaenae</i>	na
	Graphidaceae	<i>Halegrapha mucronate</i>	na
	Graphidaceae	<i>Phaeographis lindigiana</i>	na
	Graphidaceae	<i>Thelotrema lepadinum</i>	na
	Haematommataceae	<i>Haematomma solediatum</i>	na
	Lecanoraceae	? <i>Ramboldia arandensis</i>	na
	Lecanoraceae	<i>Carbonea latypizodes</i>	na
	Lecanoraceae	<i>Lecanora</i> cf. <i>austrointumescens</i>	na
	Lecanoraceae	<i>Lecanora dispersa</i>	na
	Lecanoraceae	<i>Lecanora flavopallida</i>	na
	Lecanoraceae	<i>Lecanora mobergiana</i>	na
	Lecanoraceae	<i>Lecanora symmicta</i>	na
	Lecanoraceae	<i>Lecidella flavovirens</i>	na
	Lecanoraceae	<i>Lecidella granulosula</i> var. <i>granulosula</i>	na
	Lecanoraceae	<i>Lecidella stigmatea</i>	na
	Lecanoraceae	<i>Lecidella xylogena</i>	na
	Lecanoraceae	<i>Palicella</i> sp.	na
	Lecanoraceae	<i>Ramboldia blastidiata</i>	na
	Lecanoraceae	<i>Ramboldia laeta</i>	na
	Lecanoraceae	<i>Ramboldia solediatata</i>	na
	Lecanoraceae	<i>Ramboldia stuartii</i>	na
	Lecanoraceae	<i>Tylothallia verrucosa</i>	na

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Group	Family	Species	Common name
	Lecanorales	? <i>Strangospora</i> sp.	na
	Lecideaceae	<i>Paraporpidia leptocarpa</i>	na
	Lichinaceae	<i>Lichina intermedia</i>	na
	Lobariaceae	<i>Pseudocyphellaria rubella</i>	na
	Megalariaceae	<i>Megalaria grossa</i>	na
	Megalariaceae	<i>Megalaria melaloma</i>	na
	Megalariaceae	<i>Megalaria melanotropa</i>	na
	Megalariaceae	<i>Megalaria subtasmanica</i>	na
	Megalosporaceae	<i>Megaloblastenia</i> sp. <sup>a</sup>	na
	Megalosporaceae	<i>Megalospora pulverata</i>	na
	Monoblastiaceae	<i>Anisomeridium bifforme</i>	na
	Monoblastiaceae	<i>Anisomeridium disjunctum</i>	na
	Mycoblastaceae	<i>Mycoblastus coniothorus</i>	na
	Mycoblastaceae	<i>Tephromela alectoronica</i>	na
	Mycoblastaceae	<i>Tephromela solediata</i>	na
	Mycocaliciaceae	<i>Chaenothecopsis ? savonica</i>	na
	Ochrolechiaceae	<i>Ochrolechia apiculata</i>	na
	Ochrolechiaceae	<i>Ochrolechia blandior</i>	na
	Ochrolechiaceae	<i>Ochrolechia gyrophorica</i>	na
	Ophioparmaceae	<i>Hypocenomyce australis</i>	na
	Ophioparmaceae	<i>Hypocenomyce scalaris</i>	na
	Pannariaceae	<i>Pannaria pulverulacea</i>	na
	Pannariaceae	<i>Parmeliella nigrocincta</i>	na
	Pannariaceae	<i>Psoroma asperellum</i>	na
	Parmeliaceae	<i>Austroparmelina conlabrosa</i>	na
	Parmeliaceae	<i>Austroparmelina pseudorelicina</i>	na
	Parmeliaceae	<i>Flavoparmelia rutidota</i>	na
	Parmeliaceae	<i>Flavoparmelia soledians</i>	na
	Parmeliaceae	<i>Hypogymnia pulverata</i>	na
	Parmeliaceae	<i>Hypotrachyna revoluta</i>	na
	Parmeliaceae	<i>Menegazzia caesiopruinosa</i>	na
	Parmeliaceae	<i>Menegazzia subpertusa</i>	na
	Parmeliaceae	<i>Notoparmelia cunninghamii</i>	na
	Parmeliaceae	<i>Pannoparmelia wilsonii</i>	na
	Parmeliaceae	<i>Parmotrema neopustulatum</i>	na
	Parmeliaceae	<i>Parmotrema perlatum</i>	na
	Parmeliaceae	<i>Parmotrema reticulatum</i>	na
	Parmeliaceae	<i>Punctelia pseudocoralloidea</i>	na
	Parmeliaceae	<i>Punctelia transtasmanica</i>	na
	Parmeliaceae	<i>Usnea cornuta</i>	na

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Group	Family	Species	Common name
	Parmeliaceae	<i>Usnea dasaea</i>	na
	Parmeliaceae	<i>Usnea inermis</i>	na
	Parmeliaceae	<i>Usnea rubrotincta</i>	na
	Parmeliaceae	<i>Xanthoparmelia australasica</i>	na
	Parmeliaceae	<i>Xanthoparmelia conranensis</i>	na
	Parmeliaceae	<i>Xanthoparmelia flavescens</i>	na
	Parmeliaceae	<i>Xanthoparmelia mougeotina</i>	na
	Parmeliaceae	<i>Xanthoparmelia streimannii</i>	na
	Parmeliaceae	<i>Xanthoparmelia subprolixa</i>	na
	Peltigeraceae	<i>Peltigera dolichorhiza</i>	na
	Pertusariaceae	<i>Lepra erubescens</i>	na
	Pertusariaceae	? <i>Pertusaria krogiae</i>	na
	Pertusariaceae	? <i>Pertusaria</i> sp.	na
	Pertusariaceae	<i>Pertusaria crassilabra</i>	na
	Pertusariaceae	<i>Pertusaria pertractata</i>	na
	Phlyctidaceae	<i>Phlyctis</i> sp. <sup>a</sup>	na
	Phlyctidaceae	<i>Phlyctis subuncinata</i>	na
	Physciaceae	<i>Amandinea decedens</i>	na
	Physciaceae	<i>Amandinea hypostictica</i>	na
	Physciaceae	<i>Amandinea neoconglomerata</i>	na
	Physciaceae	<i>Amandinea punctata</i>	na
	Physciaceae	<i>Buellia aeruginosa</i>	na
	Physciaceae	<i>Buellia cranwelliae</i>	na
	Physciaceae	<i>Buellia dissa</i>	na
	Physciaceae	<i>Buellia schaereri</i>	na
	Physciaceae	<i>Buellia</i> sp.	na
	Physciaceae	<i>Buellia stellulata</i> var. <i>stellulata</i>	na
	Physciaceae	<i>Buellia suttonensis</i>	na
	Physciaceae	<i>Diploicia canescens</i>	na
	Physciaceae	<i>Heterodermia tremulans</i>	na
	Physciaceae	<i>Physcia neonubila</i>	na
	Physciaceae	<i>Physcia poncinsii</i>	na
	Physciaceae	<i>Rinodina australiensis</i>	na
	Physciaceae	<i>Rinodina blastidiata</i>	na
	Physciaceae	<i>Rinodina oleae</i>	na
	Physciaceae	<i>Rinodina subcrustacea</i>	na
	Pilocarpaceae	<i>Bapalmuia buchananii</i>	na
	Pilocarpaceae	<i>Micarea</i> aff. <i>deminuta</i>	na
	Pilocarpaceae	<i>Micarea byssacea</i>	na
	Pilocarpaceae	<i>Micarea intersociella</i>	na

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Group	Family	Species	Common name
	Pilocarpaceae	<i>Micarea mutabilis</i>	na
	Pilocarpaceae	<i>Micarea xanthonica</i>	na
	Porinaceae	<i>Porina leptalea</i>	na
	Porinaceae	<i>Porina meridionalis</i>	na
	Porinaceae	<i>Porina raphidiophora</i>	na
	Porinaceae	<i>Porina whinrayi</i>	na
	Pyrenulaceae	<i>Pyrenula dermatodes</i>	na
	Ramalinaceae	<i>Bacidia laurocerasi</i>	na
	Ramalinaceae	<i>Bacidia littoralis</i>	na
	Ramalinaceae	<i>Bacidia septosior</i>	na
	Ramalinaceae	<i>Bacidia</i> sp. A <sup>a</sup>	na
	Ramalinaceae	<i>Bacidia</i> sp. B	na
	Ramalinaceae	<i>Bacidia stenospora</i>	na
	Ramalinaceae	<i>Bacidia wellingtonii</i>	na
	Ramalinaceae	<i>Catinarina atropurpurea</i>	na
	Ramalinaceae	<i>Cliostomum griffithii</i>	na
	Ramalinaceae	<i>Ramalina fissa</i>	na
	Ramalinaceae	<i>Ramalina inflata</i>	na
	Rhizocarpaceae	<i>Rhizocarpon reductum</i>	na
	Rhizocarpaceae	<i>Rhizocarpon viridiatrum</i>	na
	Roccellaceae	<i>Angiactis banksiae</i>	na
	Roccellaceae	<i>Bactrospora metabola</i>	na
	Roccellaceae	<i>Bactrospora paludicola</i>	na
	Roccellaceae	<i>Chiodecton colensoi</i>	na
	Roccellaceae	<i>Opegrapha atra</i>	na
	Roccellaceae	<i>Opegrapha</i> cf. <i>herbarum</i>	na
	Roccellaceae	<i>Opegrapha</i> sp. A	na
	Roccellaceae	<i>Opegrapha spodopolia</i>	na
	Roccellaceae	<i>Opegrapha</i> spp. indet.	na
	Roccellaceae	<i>Opegrapha varia</i>	na
	Roccellaceae	<i>Opegrapha viridis</i>	na
	Roccellaceae	<i>Schismatomma occultum</i>	na
	Scoliciosporaceae	<i>Scoliciosporum umbrinum</i>	na
	Stereocaulaceae	<i>Lepraria coriensis</i>	na
	Stereocaulaceae	<i>Lepraria finkii</i>	na
	Stereocaulaceae	<i>Lepraria toilenae</i>	na
	Teloschistaceae	<i>Caloplaca bartlettii</i>	na
	Teloschistaceae	<i>Caloplaca cliffwetmorei</i>	na
	Teloschistaceae	<i>Caloplaca cranfieldii</i>	na
	Teloschistaceae	<i>Caloplaca eos</i>	na

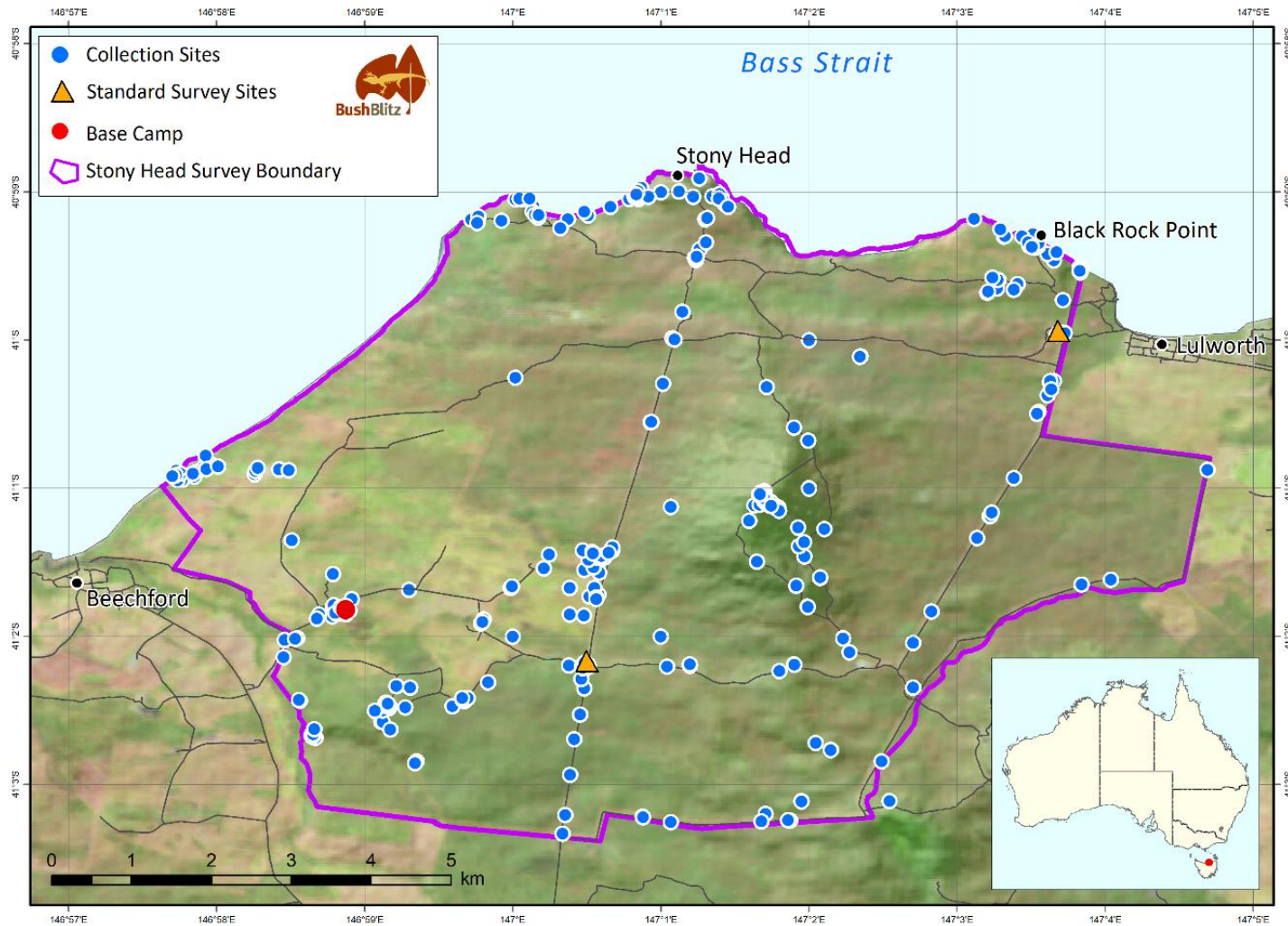
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Group	Family	Species	Common name
	Teloschistaceae	<i>Caloplaca gallowayi</i>	na
	Teloschistaceae	<i>Caloplaca gilfillaniorum</i>	na
	Teloschistaceae	<i>Caloplaca holocarpa</i>	na
	Teloschistaceae	<i>Caloplaca kilcundaensis</i>	na
	Teloschistaceae	<i>Caloplaca lateritia</i>	na
	Teloschistaceae	<i>Caloplaca macCarthyi</i>	na
	Teloschistaceae	<i>Caloplaca</i> sp. 1	na
	Teloschistaceae	<i>Caloplaca</i> sp. 2	na
	Teloschistaceae	<i>Caloplaca sublobulata</i>	na
	Teloschistaceae	<i>Teloschistes spinosus</i>	na
	Teloschistaceae	<i>Teloschistes velifer</i>	na
	Teloschistaceae	<i>Xanthoria ligulata</i>	na
	Trapeliaceae	<i>Placynthiella icmalea</i>	na
	Trapeliaceae	<i>Trapeliopsis flexuosa</i>	na
	Verrucariaceae	<i>Verrucaria prominula</i>	na

**a** Putative new species. **b** Introduced and/or pest species. **c** Listed as threatened under the Environment Protection and Biodiversity Conservation Act 1999 (Commonwealth). **d** Listed as threatened under the Threatened Species Protection Act 1995 (Tasmania). **na** Not available.

# Appendix B: Collection sites

Map B1 Map of collection sites



# Glossary

<b>Term</b>	<b>Definition</b>
ALA	Atlas of Living Australia
ANIC	Australian National Insect Collection
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Commonwealth)
Genus (plural genera)	A taxonomic category that ranks between family and species, consisting of related species (e.g. <i>Acacia</i> ).
Introduced	Not indigenous; not native to the area in which it now occurs.
Lineage	A sequence of species each of which is considered to have evolved from its predecessor.
NRE Tas	The Tasmanian Department of Natural Resources and Environment.
Pest species	A species that has the potential to have a negative environmental, social or economic impact.
Putative new species	An unnamed species that, as far as can be ascertained, was identified as a new species as a direct result of this Bush Blitz.
QVMAG	Queen Victoria Museum and Art Gallery
Range extension	Increase in the known distribution or area of occurrence of a species.
Symbiotic	Involving interaction between 2 different organisms living in close physical association.
Taxon (plural taxa)	A member of any particular taxonomic group (e.g. a species, genus, family).
Taxonomy	The categorisation and naming of species. The science of identifying and naming species, as well as grouping them based on their relatedness.
Threatened	Fauna or flora that are listed as threatened under the EPBC Act or the TSP Act.
TMAG	Tasmanian Museum and Art Gallery
TSP Act	<i>Threatened Species Protection Act 1995</i> (Tasmania)
Undescribed taxon	A taxon (usually a species) that has not yet been formally described and named.
UNSW	University of New South Wales
Vascular plants	A lineage of plants that possess well-developed veins (vascular tissue) in their stems, roots and leaves. Vascular plants include the majority of familiar land plants: flowering plants, ferns, conifers, cycads and fern allies, but not mosses, liverworts or algae.



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