

**Stony Head Bush Blitz**  
***Insects (and a crustacean)***

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Nomenclature and taxonomy used in this report is consistent with:

The Australian Faunal Directory (AFD)

<http://www.environment.gov.au/biodiversity/abrs/online-resources/fauna/afd/home>

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## List of contributors

List of contributors to this report.			
Name	Institution/affiliation	Qualifications/area of expertise	Level/form of contribution
<i>Dr Simon Grove</i>	<i>TMAG</i>	<i>Insects other than moths</i>	<i>Principal author; survey participant, also responsible for curation and identification</i>
<i>Dr Dave de Little</i>	<i>TMAG</i>	<i>Taxonomy of chrysomelid beetles</i>	<i>Identification only</i>
<i>Dr Brian V. Timms</i>	<i>UNSW</i>	<i>Taxonomy of crustaceans</i>	<i>Identification only</i>
<i>Mr Matthew Connors</i>	<i>James Cook University</i>	<i>Taxonomy of crickets</i>	<i>Identification only</i>

<b><i>Ms Lynne Forster</i></b>	<b><i>TMAG (honorary curator)</i></b>	<b><i>Taxonomy of beetles</i></b>	<b><i>Identification (also survey participant: see separate report)</i></b>
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## Abstract

### 1. Introduction

This report covers a wide range of insect taxa. While my notional area of expertise is Tasmanian Coleoptera (beetles), my interests are broad. Furthermore, my position as Senior Curator of Invertebrate Zoology at TMAG gives me good reason to collect a wide range of insects to help build a more comprehensive state collection, and puts me in a good position to identify what I have collected. This report summarises my finds, based largely on my own collecting and identifications except where noted otherwise.

### 2. Methods

Sweep-netting was my standard field survey technique for general-purpose insect collecting during the Bush Blitz; but I also employed other techniques, including turning over or breaking open logs, turning over stones, etc; dip-netting to sample dams and ditches; litter sifting using a series of graduated mesh sifters; sand sieving with a household sieve; knockdown pyrethrum spraying of tree trunks and grass-trees; spotlighting at night; and 'car vibration' – leaving the engine running while the vehicle was parked, and waiting for insects to react to the resultant vibrations by emerging from the surrounding leaf-litter and vegetation. I also acquired non-moth insects that had been collected by Cathy Byrne at light traps that she had set for moths.

Additionally, I established water pan traps (yellow, white and blue), Malaise traps and dry pitfall traps at the standard sample sites SSS1 and SSS2 at the beginning of the survey period, and collected these at the end of the survey period.

Outside of the actual Blitz period, I participated in a reconnaissance visit earlier in the season, during which I established four Malaise traps, including one at what was to become SSS1. During that visit I also did some dip-netting, sweep-netting and general hand collection. At a later visit to service these traps, I set a light trap for one evening at Scale A and did some sweep-netting in the same area. The traps were decommissioned during a further visit a few weeks before our actual Blitz.

#### 2.1 Site selection

I sampled widely across the property, but focused on areas with most promise – generally selected on the basis of the habitats present and the feasibility of access, while also taking into account the priorities of other team members. The table below lists all localities associated with insect, crustacean and/or mollusc specimens from the Bush Blitz that are now registered in the TMAG collections.

Locality	Coordinates
Perimeter Trail: small rise W of Barrows Hill	-41.0519°S x 147.0325°E
Barrows Trail: 700 m S of Santa Barbara Drive junction	-41.0453°S x 147.0341°E
Barrows Trail: small hill at sharp bend	-41.0461°S x 147.0358°E
basalt quarry	-41.0409°S x 146.9859°E
Black Rock Point: dam to SE	-40.9895°S x 147.0584°E
Black Rock Point: hinterland to SE	-40.989°S x 147.058°E
Black Rock Point: track SE of dam	-40.9903°S x 147.0602°E

Locality	Coordinates
environs of creek at property entrance	-41.0335°S x 146.9757°E
Fire-trail S of quarry: gully	-41.0438°S x 146.9862°E
Fothers Hill: environs of pond and Coast Trail to N	-40.9942°S x 147.0545°E
Fothers Hill: pond to N	-40.9942°S x 147.0545°E
Fothers Hill: Xanthorrhoea ridge to NE	-40.9943°S x 147.0564°E
Gunners Drive: firing range	-41.0277°S x 146.9999°E
Gunners Drive: roadside wetland	-41.0317°S x 146.9966°E
Maitland Bay: central part	-40.985°S x 147.011°E
Maitland Bay: dunes near E end	-40.9841°S x 147.0131°E
Maitland Bay: dunes near W end	-40.9864°S x 147.0062°E
Maitland Bay: E end	-40.9836°S x 147.0139°E
Maitland Bay: headland to West	-40.9861°S x 146.9961°E
Maitland Bay: northwest headland	-40.9861°S x 146.9961°E
Maitland Bay: W end	-40.9859°S x 147.0029°E
Majuba Track near junction with Strait Road_SSS2	-40.9955°S x 147.0619°E
NE corner: Strait Road: roadside	-40.9922°S x 147.0638°E
North-South Rd S of Santa Barbara junction	-41.0381°S x 147.0077°E
North-South Road near junction with Majuba Track	-40.9999°S x 147.0182°E
North-South Road: 500m N of Majuba Trail: vegetation edge	-40.9968°S x 147.0191°E
North-South Road: junction with Coastal Trail	-40.9906°S x 147.0207°E
North-South Road: North of gate before junction with Fuel Break Trail	-41.0233°S x 147.0112°E
North-South Road: North of gate before junction with Fuel Break Trail: pond	-41.0233°S x 147.0112°E
North-South Road: roadside 1 km S of Santa Barbara Drive junction	-41.0049°S x 147.0169°E
North-South Road: roadside 2 km S of Santa Barbara Drive junction	-41.0092°S x 147.0156°E
North-South Road: South of gate before junction with Fuel Break Trail	-41.0239°S x 147.0108°E
North-South Road: 'Spider Plains North' far W	-41.0241°S x 147.0041°E
North-South Road: 'Spider Plains North' to West	-41.024°S x 147.009°E
North-South Road: 'Spider Plains South' to West	-41.031°S x 147.008°E

Locality	Coordinates
North-South Road: 'Spider Plains South' to West: wet areas	-41.031°S x 147.008°E
Perimeter Trail: junction with North-South Road	-41.0555°S x 147.0056°E
Perimeter Trail: junction with North-South Road: pond	-41.0555°S x 147.0056°E
Perimeter Trail: Section 1: NE corner	-41.0146°S x 147.0782°E
Perimeter Trail: Section 4	-41.054°S x 147.031°E
Quarry Road: E of Quarry Road	-41.0385°S x 146.9972°E
Quarry Road: east of quarry	-41.0412°S x 146.9932°E
Quarry Road: NE of quarry	-41.0413°S x 146.9879°E
Road SE of quarry	-41.0476°S x 146.989°E
Ryans East Trail: eastern section	-41.0351°S x 147.0379°E
Ryans East Trail: gully	-41.0232°S x 147.0322°E
Ryans Hill track	-40.9943°S x 147.0564°E
Ryans Hill Trail: 500 m from S end	-41.0267°S x 147.0346°E
Ryans Hill Trail: S end	-41.03°S x 147.0332°E
Ryans Hill Trail: south of summit	-41.0203°S x 147.0266°E
Ryans Hill: gully S of summit	-41.0186°S x 147.0272°E
Ryans Hill: middle of SE slope	-41.0188°S x 147.0299°E
Ryans Hill: SE slope	-41.0186°S x 147.0289°E
Ryans Hill: summit area	-41.0171°S x 147.0279°E
S edge: roadside	-41.0534°S x 147.0059°E
S edge: roadside ditch	-41.0534°S x 147.0059°E
Santa Barbara - 1 km W of Strait Rd jcn	-41.0365°S x 147.0317°E
Santa Barbara - 200 m W of N-S Rd jcn	-41.0366°S x 147.0063°E
Santa Barbara - North-South Rd junction	-41.0363°S x 147.0081°E
Scale A camp environs	-41.0299°S x 146.9812°E
Seaview Road: Sentry hut: beach and dunes	-41.0153°S x 146.9617°E
Seaview Road: Sentry hut: dune above paddock	-41.0139°S x 146.966°E
Seaview Road: Sentry hut: dune hinterland	-41.015°S x 146.964°E
Strait Road: southern roadside	-41.0198°S x 147.0537°E
SW perimeter: gully	-41.0446°S x 146.9774°E

## **2.2 Survey techniques**

Sweep-netting

Turning over or breaking open logs

Turning over stones, etc

Litter sifting

Sand sieving

General hand collection

Dip-netting: to sample dams and ditches

Knockdown pyrethrum spraying of tree trunks and grass-trees

Spotlighting at night

‘Car vibration’ – leaving the engine running while the vehicle was parked, and waiting for insects to react to the resultant vibrations by emerging from the surrounding leaf-litter and vegetation.

Light trapping

Pan trapping (yellow, white and blue)

Malaise trapping

Pitfall trapping

### **2.2.1 Methods used at standard survey sites**

Malaise trapping

Pitfall trapping

Pan trapping (yellow, white and blue)

Knockdown pyrethrum spraying

Sweep-netting

General hand collection

Spotlighting at night

## **2.3 Identifying the collections**

I identified specimens collected primarily by comparing them to previously identified material in the TMAG collections, augmented by reference to some primary taxonomic papers for selected taxa. Additionally, to confirm the identity of one species of cricket I sent photos to Mr Matthew Connors, a student at James Cook University; for the identification of eucalypt leaf-beetles I deferred to Dr Dave de Little, honorary curator at TMAG; and to confirm the identity of the unusual clam-shrimp I sent specimens to the expert on this group, Dr Brian Timms, at the University of New South Wales.

## **3. Results and Discussion**

Appendix 1 lists all non-moth insects recorded by me during the Bush Blitz. Collections made during this Bush Blitz will result in 2775 specimens being added to public collections and 1400

records added to publicly accessible databases (the second number is lower than the first because some records comprise multiple specimens of the same species collected together).

### 3.1 Un-named or not formalised taxa

The following table lists the 314 taxa that I was only able to partially identify within the given timeframe. In many – probably most – cases this reflects the limits of my own identification abilities; but among these taxa there will be an unknown number that represent undescribed species.

<b>Table 1. Putatively un-named or not formalised taxa</b>	
<b>Taxon</b>	<b>Comment</b>
Calolampra sp TMAG_F12724	Blattodea: Blaberidae
Platyzosteria unplaced	Blattodea: Blattidae
Balta sp TMAG_F114557	Blattodea: Ectobiidae
Ellipsoidion sp TMAG_F13423	Blattodea: Ectobiidae
Anthribidae unplaced sp TMAG_F114242	Coleoptera: Anthribidae
Anthribidae unplaced TFIC sp 04	Coleoptera: Anthribidae
Anthribinae unplaced sp TMAG_F11939	Coleoptera: Anthribidae
Heteromastix unplaced	Coleoptera: Cantharidae
Amblystomus sp TMAG_F114593	Coleoptera: Carabidae
Amblytelus sp TMAG_F115609	Coleoptera: Carabidae
Carabidae unplaced sp TMAG_F111541	Coleoptera: Carabidae
Demetrida sp TMAG_F114205	Coleoptera: Carabidae
Harpalinae unplaced sp TMAG_F114837	Coleoptera: Carabidae
Pterostichini unplaced sp TMAG_F114415	Coleoptera: Carabidae
Scopodes sp TMAG_F47096	Coleoptera: Carabidae
Callidiopini unplaced sp TMAG_F100860	Coleoptera: Cerambycidae
Callidiopini unplaced sp TMAG_F33390	Coleoptera: Cerambycidae
Cerambycinae unplaced TFIC sp 13	Coleoptera: Cerambycidae
Alticini unplaced sp TMAG_F114401	Coleoptera: Chrysomelidae
Ditropidus sp TMAG_F115926	Coleoptera: Chrysomelidae
Ditropidus TFIC sp 08	Coleoptera: Chrysomelidae
Monolepta sp TMAG_F112426	Coleoptera: Chrysomelidae
Rhyzobius sp TMAG_F116005	Coleoptera: Coccinellidae
Rhyzobius sp TMAG_F98708	Coleoptera: Coccinellidae
Rhyzobius TFIC sp 01	Coleoptera: Coccinellidae
Rhyzobius TFIC sp 07	Coleoptera: Coccinellidae
Rhyzobius TFIC sp 09	Coleoptera: Coccinellidae
Rhyzobius TFIC sp 15	Coleoptera: Coccinellidae
Rhyzobius TFIC sp 30	Coleoptera: Coccinellidae



Holopsis TFIC sp 13	Coleoptera: Corylophidae
Sericoderus sp TMAG_F115630	Coleoptera: Corylophidae
Sericoderus TFIC sp 17	Coleoptera: Corylophidae
Aoplocnemis TFIC sp 03	Coleoptera: Curculionidae
Cryptorhynchini unplaced sp TMAG_F114778	Coleoptera: Curculionidae
Cryptorhynchini unplaced TFIC sp 46	Coleoptera: Curculionidae
Curculionidae unplaced sp TMAG_F77149	Coleoptera: Curculionidae
Curculionidae unplaced sp TMAG_F95604	Coleoptera: Curculionidae
Curculionidae unplaced sp TMAG_F98766	Coleoptera: Curculionidae
Ethemaia OBERPREILER sp nov TFIC sp 01	Coleoptera: Curculionidae
Gonipterus unplaced	Coleoptera: Curculionidae
Leptopiini unplaced sp TMAG_F111372	Coleoptera: Curculionidae
Leptopiini unplaced sp TMAG_F113716	Coleoptera: Curculionidae
Leptopiini unplaced sp TMAG_F114592	Coleoptera: Curculionidae
Leptopiini unplaced sp TMAG_F41329	Coleoptera: Curculionidae
Mandalotus sp TMAG_F101554	Coleoptera: Curculionidae
Merimnetes unplaced	Coleoptera: Curculionidae
Meriphus sp TMAG_F115886	Coleoptera: Curculionidae
Meriphus sp TMAG_F96628	Coleoptera: Curculionidae
Meriphus tFIC sp 01	Coleoptera: Curculionidae
Pantoreites TFIC sp 01	Coleoptera: Curculionidae
Poropterus sp TMAG_F47027	Coleoptera: Curculionidae
Pseudometyrus TFIC sp 01	Coleoptera: Curculionidae
Tychiini unplaced TFIC sp 01	Coleoptera: Curculionidae
Tychiini unplaced TFIC sp 08	Coleoptera: Curculionidae
Tychiini unplaced TFIC sp 10	Coleoptera: Curculionidae
Tychiini unplaced TFIC sp 18	Coleoptera: Curculionidae
Tychiini unplaced TFIC sp 26	Coleoptera: Curculionidae
Trogoderma sp TMAG_F100945	Coleoptera: Dermestidae
Antiporus sp TMAG_F114073	Coleoptera: Dytiscidae
Antiporus sp TMAG_F97815	Coleoptera: Dytiscidae
Dytiscidae unplaced sp TMAG_F111371	Coleoptera: Dytiscidae
Dytiscidae unplaced sp TMAG_F111461	Coleoptera: Dytiscidae
Dytiscidae unplaced sp TMAG_F111596	Coleoptera: Dytiscidae
Dytiscidae unplaced sp TMAG_F114071	Coleoptera: Dytiscidae
Dytiscidae unplaced sp TMAG_F114433	Coleoptera: Dytiscidae
Exocelina TFIC sp 01	Coleoptera: Dytiscidae
Sternopriscus sp TMAG_F100452	Coleoptera: Dytiscidae
Sternopriscus sp TMAG_F1114739	Coleoptera: Dytiscidae

Sternopriscus sp TMAG_F97431	Coleoptera: Dytiscidae
Agrypninae unplaced TFIC sp 01	Coleoptera: Elateridae
Conoderus sp TMAG_F111417	Coleoptera: Elateridae
Elateridae unplaced sp TMAG_F111421	Coleoptera: Elateridae
Elateridae unplaced TFIC sp 30	Coleoptera: Elateridae
Enischnelater TFIC sp 01	Coleoptera: Elateridae
Hapatesus sp TMAG_F68612	Coleoptera: Elateridae
Dromaeoloides MUONA sp 02	Coleoptera: Eucnemidae
Eucnemidae unplaced sp TMAG_F102313	Coleoptera: Eucnemidae
Eucnemidae unplaced sp TMAG_F111601	Coleoptera: Eucnemidae
Hydrochus sp TMAG_F105729	Coleoptera: Hydrochidae
Enochrus sp TMAG_F112223	Coleoptera: Hydrophilidae
Paracymus cf pygmaeus	Coleoptera: Hydrophilidae
Notobrachypterus TFIC sp 01	Coleoptera: Kateretidae
Corticara REIKE sp nov 1	Coleoptera: Latridiidae
Corticara TFIC sp 02	Coleoptera: Latridiidae
Enicmus REIKE sp nov 1	Coleoptera: Latridiidae
Enicmus REIKE sp nov 2	Coleoptera: Latridiidae
Choleva sp TMAG_F114523	Coleoptera: Leiodidae
Neopelatops TFIC sp 01	Coleoptera: Leiodidae
Calochromus TFIC sp 01	Coleoptera: Lycidae
Dasytes sp TMAG_F114426	Coleoptera: Melyridae
Dasytes sp TMAG_F115933	Coleoptera: Melyridae
Hypattalus TFIC sp 01	Coleoptera: Melyridae
Glipostenoda TFIC sp 09	Coleoptera: Mordellidae
Mordella TFIC sp 03	Coleoptera: Mordellidae
Mordellidae unplaced TFIC sp 01	Coleoptera: Mordellidae
Mordellidae unplaced TFIC sp 04	Coleoptera: Mordellidae
Litochrus TFIC sp 01	Coleoptera: Phalacridae
Phalacridae unplaced sp TMAG_F115676	Coleoptera: Phalacridae
Acrotrichis TFIC sp 01	Coleoptera: Ptiliidae
Deltocryptus TFIC sp 01	Coleoptera: Ptinidae
Deltocryptus TFIC sp 04	Coleoptera: Ptinidae
Dryophilodes sp TMAG_F44455	Coleoptera: Ptinidae
Dryophilodes TFIC sp 05	Coleoptera: Ptinidae
Heteronyx TFIC sp 03	Coleoptera: Scarabaeidae
Melolonthinae unplaced sp TMAG_F114588	Coleoptera: Scarabaeidae
Aleocharinae unplaced sp TMAG_F114112	Coleoptera: Staphylinidae
Aleocharinae unplaced sp TMAG_F114580	Coleoptera: Staphylinidae

Aleocharinae unplaced sp TMAG_F114822	Coleoptera: Staphylinidae
Aleocharinae unplaced sp TMAG_F116183	Coleoptera: Staphylinidae
Aleocharinae unplaced sp TMAG_F11795	Coleoptera: Staphylinidae
Anabaxis CHANDLER Type 1	Coleoptera: Staphylinidae
Anabaxis sp TMAG_F114518	Coleoptera: Staphylinidae
Anotylus TFIC sp 02	Coleoptera: Staphylinidae
Blepharhymenus sp TMAG_F114517	Coleoptera: Staphylinidae
Euconnus sp TMAG_F114965	Coleoptera: Staphylinidae
Horaeomorphus sp TMAG_F115758	Coleoptera: Staphylinidae
Leucocraspedum sp TMAG_F115640	Coleoptera: Staphylinidae
Logasa TFIC sp 01	Coleoptera: Staphylinidae
Quedius TFIC sp 04	Coleoptera: Staphylinidae
Staphylininae unplaced sp TMAG_F96390	Coleoptera: Staphylinidae
Gonolabis unplaced	Dermoptera: Anisolabididae
Sylvicola sp TMAG_F114083	Diptera: Anisopodidae
Sylvicola sp TMAG_F97215	Diptera: Anisopodidae
Cerdistus unplaced	Diptera: Asilidae
Dilophus unplaced	Diptera: Bibionidae
Exechohypopion unplaced	Diptera: Bombyliidae
Calliphorinae unplaced	Diptera: Calliphoridae
Luciliinae unplaced sp TMAG_F114854	Diptera: Calliphoridae
Luciliinae unplaced sp TMAG_F114858	Diptera: Calliphoridae
Canacidae unplaced sp TMAG_F114191	Diptera: Canacidae
Ceratopogonidae unplaced	Diptera: Ceratopogonidae
Chironomidae unplaced	Diptera: Chironomidae
Chironomidae unplaced sp TMAG_F121072	Diptera: Chironomidae
Chloropidae unplaced sp TMAG_F114088	Diptera: Chloropidae
Chloropidae unplaced sp TMAG_F114100	Diptera: Chloropidae
Arachnomyia sp TMAG_F116071	Diptera: Dolichopodidae
Dolichopodidae unplaced sp TMAG_F111387	Diptera: Dolichopodidae
Dolichopodidae unplaced sp TMAG_F115652	Diptera: Dolichopodidae
Dolichopodidae unplaced sp TMAG_F115776	Diptera: Dolichopodidae
Dolichopodidae unplaced sp TMAG_F115811	Diptera: Dolichopodidae
Dolichopodidae unplaced sp TMAG_F97581	Diptera: Dolichopodidae
Hydrophorus sp TMAG_F111385	Diptera: Dolichopodidae
Nothorhaphium sp TMAG_F100617	Diptera: Dolichopodidae
Sciapodinae unplaced sp TMAG_F97454	Diptera: Dolichopodidae
Empididae unplaced	Diptera: Empididae
Ephydriidae unplaced sp TMAG_F98245	Diptera: Ephydriidae

Scatella sp TMAG_F114785	Diptera: Ephydriidae
Tapeigaster sp TMAG_F114384	Diptera: Heteromyzidae
Incurviseta sp TMAG_F101050	Diptera: Lauxaniidae
Lauxaniidae unplaced sp TMAG_F112412	Diptera: Lauxaniidae
Lauxaniidae unplaced sp TMAG_F114007	Diptera: Lauxaniidae
Lauxaniidae unplaced sp TMAG_F114155	Diptera: Lauxaniidae
Lauxaniidae unplaced sp TMAG_F41248	Diptera: Lauxaniidae
Lauxaniidae unplaced sp TMAG_F98214	Diptera: Lauxaniidae
Limoniidae unplaced sp TMAG_F112296	Diptera: Limoniidae
Limoniidae unplaced sp TMAG_F114198	Diptera: Limoniidae
Lonchaeidae unplaced sp TMAG_F6351	Diptera: Lonchaeidae
Coenosia sp TMAG_F101349	Diptera: Muscidae
Coenosia sp TMAG_F114459	Diptera: Muscidae
Coenosia sp TMAG_F47332	Diptera: Muscidae
Helina sp TMAG_F100148	Diptera: Muscidae
Helina sp TMAG_F101117	Diptera: Muscidae
Helina sp TMAG_F12791	Diptera: Muscidae
Helina sp TMAG_F47165	Diptera: Muscidae
Muscidae unplaced sp TMAG_F101209	Diptera: Muscidae
Muscidae unplaced sp TMAG_F114209	Diptera: Muscidae
Muscidae unplaced sp TMAG_F114738	Diptera: Muscidae
Muscidae unplaced sp TMAG_F47357	Diptera: Muscidae
Muscidae unplaced sp TMAG_F97355	Diptera: Muscidae
Mycetophilidae unplaced sp TMAG_F100223	Diptera: Mycetophilidae
Pipunculidae unplaced	Diptera: Pipunculidae
Duomyia sp TMAG_F114140	Diptera: Platystomatidae
Rivellia unplaced	Diptera: Platystomatidae
Chrysopilus sp nr gratus	Diptera: Rhagionidae
Sarcophaga sp TMAG_F72915	Diptera: Sarcophagidae
Sarcophaginae unplaced sp TMAG_F111611	Diptera: Sarcophagidae
Sarcophaginae unplaced sp TMAG_F96711	Diptera: Sarcophagidae
Sciaridae unplaced	Diptera: Sciaridae
Sepsidae unplaced sp TMAG_F114761	Diptera: Sepsidae
Howickia cf myrmecophila	Diptera: Sphaeroceridae
Thoracochaeta unplaced	Diptera: Sphaeroceridae
Odontomyia sp TMAG_F96259	Diptera: Stratiomyidae
Eumerus unplaced	Diptera: Syrphidae
Hemilampra sp TMAG_F103559	Diptera: Syrphidae
Sphaerophoria sp TMAG_F114747	Diptera: Syrphidae

Dasybasis unplaced	Diptera: Tabanidae
Tachinidae unplaced sp TMAG_F110251	Diptera: Tachinidae
Tachinidae unplaced sp TMAG_F114390	Diptera: Tachinidae
Tachinidae unplaced sp TMAG_F114969	Diptera: Tachinidae
Tachinidae unplaced sp TMAG_F115698	Diptera: Tachinidae
Tachinidae unplaced sp TMAG_F116081	Diptera: Tachinidae
Tachinidae unplaced sp TMAG_F47646	Diptera: Tachinidae
Tachinidae unplaced sp TMAG_F57505	Diptera: Tachinidae
Trigonospila sp TMAG_F47331	Diptera: Tachinidae
Acraspisa sp TMAG_F95917	Diptera: Therevidae
Acupalpa sp TMAG_F96343	Diptera: Therevidae
Ectinorhynchus unplaced	Diptera: Therevidae
Ischnotoma unplaced	Diptera: Tipulidae
Leptotarsus unplaced	Diptera: Tipulidae
Elasmostethus sp TMAG_F98349	Hemiptera: Acanthosomatidae
Argeleusa sp TMAG_F114873	Hemiptera: Achilidae
Argeleusa sp TMAG_F56999	Hemiptera: Achilidae
Argeleusa unplaced	Hemiptera: Achilidae
Riptortus sp TMAG_F46814	Hemiptera: Alydidae
Aphididae unplaced	Hemiptera: Aphididae
Cicadellidae unplaced sp TMAG_F104906	Hemiptera: Cicadellidae
Cicadellidae unplaced sp TMAG_F114098	Hemiptera: Cicadellidae
Eurymeloides sp TMAG_F115675	Hemiptera: Cicadellidae
Tartessinae unplaced sp TMAG_F57750	Hemiptera: Cicadellidae
Tolasella sp TMAG_F96921	Hemiptera: Cicadellidae
Agriopocoris unplaced	Hemiptera: Coreidae
Corixidae unplaced sp TMAG_F111598	Hemiptera: Corixidae
Sigara unplaced	Hemiptera: Corixidae
Saccharodite sp TMAG_F95334	Hemiptera: Derbidae
Dictyopharidae unplaced sp TMAG_F114941	Hemiptera: Dictyopharidae
Thanatodictya cf hebe	Hemiptera: Dictyopharidae
Systemoloderes sp TMAG_F98285	Hemiptera: Enicocephalidae
Siphanta cf hebes	Hemiptera: Flatidae
Nerthra sp TMAG_F97681	Hemiptera: Gelastocoridae
Gerridae unplaced sp TMAG_F114374	Hemiptera: Gerridae
Nysius sp TMAG_F100513	Hemiptera: Lygaeidae
Nysius sp TMAG_F101765	Hemiptera: Lygaeidae
Sextius cf virescens	Hemiptera: Membracidae
Ausejanus sp TMAG_F104910	Hemiptera: Miridae

Miridae unplaced sp TMAG_F101393	Hemiptera: Miridae
Miridae unplaced sp TMAG_F113993	Hemiptera: Miridae
Miridae unplaced sp TMAG_F114097	Hemiptera: Miridae
Miridae unplaced sp TMAG_F114227	Hemiptera: Miridae
Miridae unplaced sp TMAG_F114275	Hemiptera: Miridae
Miridae unplaced sp TMAG_F114276	Hemiptera: Miridae
Miridae unplaced sp TMAG_F41263	Hemiptera: Miridae
Miridae unplaced sp TMAG_F7166	Hemiptera: Miridae
Miridae unplaced sp TMAG_F95825	Hemiptera: Miridae
Anisops unplaced	Hemiptera: Notonectidae
Ochterus unplaced	Hemiptera: Ochteridae
Ocirrhoe sp TMAG_F114712	Hemiptera: Pentatomidae
Acizzia sp TMAG_F100925	Hemiptera: Psyllidae
Psyllidae unplaced sp TMAG_F114019	Hemiptera: Psyllidae
Psyllidae unplaced sp TMAG_F67423	Hemiptera: Psyllidae
Psyllidae unplaced sp TMAG_F99058	Hemiptera: Psyllidae
Rhyparochromidae unplaced sp TMAG_F114514	Hemiptera: Rhyparochromidae
Rhyparochromidae unplaced sp TMAG_F114524	Hemiptera: Rhyparochromidae
Rhyparochromidae unplaced sp TMAG_F57782	Hemiptera: Rhyparochromidae
Saldula unplaced	Hemiptera: Saldidae
Epimixia sp TMAG_F114621	Hemiptera: Tingidae
Tingidae unplaced sp TMAG_F115936	Hemiptera: Tingidae
Exoneura unplaced	Hymenoptera: Apidae
Bethylidae unplaced	Hymenoptera: Bethyidae
Braconidae unplaced sp TMAG_F114080	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F114263	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F114273	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F114600	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F114607	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F114727	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F114728	Hymenoptera: Braconidae
Braconidae unplaced sp TMAG_F115756	Hymenoptera: Braconidae
Braconinae unplaced sp TMAG_F94569	Hymenoptera: Braconidae
Braconinae unplaced sp TMAG_F96726	Hymenoptera: Braconidae
Chalcididae unplaced sp TMAG_F97623	Hymenoptera: Chalcididae
Cleptinae unplaced sp TMAG_F114823	Hymenoptera: Chrysididae
Callomelitta sp TMAG_F3998	Hymenoptera: Colletidae

Leioproctus sp TMAG_F97230	Hymenoptera: Colletidae
Rhopalum sp TMAG_F102407	Hymenoptera: Crabronidae
Tachysphex unplaced	Hymenoptera: Crabronidae
Acanthinevania sp TMAG_F100787	Hymenoptera: Evaniidae
Austromorium sp TMAG_F11425	Hymenoptera: Formicidae
Camponotus sp TMAG_F115018	Hymenoptera: Formicidae
Formicidae unplaced sp TMAG_F114826	Hymenoptera: Formicidae
Formicidae unplaced sp TMAG_F115925	Hymenoptera: Formicidae
Iridomyrmex sp TMAG_F101247	Hymenoptera: Formicidae
Monomorium unplaced	Hymenoptera: Formicidae
Pheidole unplaced	Hymenoptera: Formicidae
Polyrhachis sp TMAG_F95827	Hymenoptera: Formicidae
Prolasius unplaced	Hymenoptera: Formicidae
Tetramorium sp TMAG_F115050	Hymenoptera: Formicidae
Halictidae unplaced	Hymenoptera: Halictidae
Campopleginae unplaced sp TMAG_F115845	Hymenoptera: Ichneumonidae
Cryptinae unplaced sp TMAG_F47661	Hymenoptera: Ichneumonidae
Cryptinae unplaced sp TMAG_F47672	Hymenoptera: Ichneumonidae
Ichneumonidae unplaced sp TMAG_F114288	Hymenoptera: Ichneumonidae
Ichneumonidae unplaced sp TMAG_F115688	Hymenoptera: Ichneumonidae
Ichneumonidae unplaced sp TMAG_F71974	Hymenoptera: Ichneumonidae
Netelia unplaced	Hymenoptera: Ichneumonidae
Mutillidae unplaced sp TMAG_F114929	Hymenoptera: Mutillidae
Mutillidae unplaced sp TMAG_F114987	Hymenoptera: Mutillidae
Mutillidae unplaced sp TMAG_F115032	Hymenoptera: Mutillidae
Mutillidae unplaced sp TMAG_F115033	Hymenoptera: Mutillidae
Ctenostegus unplaced	Hymenoptera: Pompilidae
Pompilidae unplaced sp TMAG_F115028	Hymenoptera: Pompilidae
Pompilidae unplaced sp TMAG_F115034	Hymenoptera: Pompilidae
Sphictostethus unplaced	Hymenoptera: Pompilidae
Turneromyia unplaced	Hymenoptera: Pompilidae
Thynninae unplaced sp TMAG_F114264	Hymenoptera: Tiphidae
Thynninae unplaced sp TMAG_F114998	Hymenoptera: Tiphidae
Thynninae unplaced sp TMAG_F115699	Hymenoptera: Tiphidae
Thynninae unplaced sp TMAG_F96405	Hymenoptera: Tiphidae
Paralastor unplaced	Hymenoptera: Vespidae
Myrmeleontidae unplaced	Neuroptera: Myrmeleontidae
Acrididae unplaced sp TMAG_F114361	Orthoptera: Acrididae
Parvotettix unplaced	Orthoptera: Rhabdophoridae

Conocephalus unplaced	Orthoptera: Tettigoniidae
Bobilla unplaced	Orthoptera: Trigonidiidae
Psocidae unplaced sp TMAG_F114107	Psocodea: Psocidae
Psocidae unplaced sp TMAG_F114241	Psocodea: Psocidae
Psocidae unplaced sp TMAG_F115017	Psocodea: Psocidae

### 3.2 Putative new species (new to science)

In this report, 'putative new species' means an unnamed species that, as far as can be ascertained, was identified as a new species as a direct result of this Bush Blitz.

As noted above, many of the taxa that I couldn't identify to species may turn out to be undescribed, but for the most part it would take a lot more investigation to figure out which are and which aren't. The table here lists three of these that I am fairly confident about.

Species	Comment
Anthribidae unplaced sp TMAG_F114242	Anthribids (fungus weevils) are a poorly known beetle group in Australia – especially the small species like this one. This makes me suspect that this is one of the undescribed species, but it is not one that I have come across before.

### 3.3 Exotic and pest species

Rather few exotic species were collected; none is considered a serious pest (in the natural environment at least).

Exotic/pest species	Location sighted/observed	Indication of abundance	Comments
Sea-rocket flea-beetle <i>Psylliodes marcida</i>	Maitland Bay; Sentry Point Beach	Common	Common in sand around the base of its host-plant, the introduced sea-rocket <i>Cakile edentula/maritima</i> . It was only recently discovered in Tasmania (by me) – currently its only known region in the southern hemisphere.
Red-shouldered ham-beetle <i>Necrobia rufipes</i>	Seaview Road: hinterland of dunes	Some	Found on wallaby carcass – it's a



			cosmopolitan carrion-feeder
Hide-beetle <i>Dermestes maculatus</i>	Seaview Road: hinterland of dunes	Some	Found on wallaby carcass – it's a cosmopolitan carrion-feeder
Dor-beetle <i>Geotrupes spiniger</i>	North-South Road: Spider Plains	One	Found on wallaby dung – it's a dung-beetle deliberately introduced from Europe
Minute brown scavenger-beetle <i>Corticaria japonica</i>	Black Rock Point hinterland; Ryans Hill: SSS1	Some	A tiny beetle associated with moulds and fungal spores, e.g. in leaf-litter, now almost cosmopolitan.
Thistle gall-fly <i>Urophora stylata</i>	Scale A environs	Some	A fly that makes galls in the flower-stems of <i>Cirsium</i> and <i>Carduus</i> thistles, introduced to help control these weeds
Lonchopterid fly <i>Lonchoptera bifurcata</i>	SW perimeter gully; near Sentry Hut	Two	A fly whose larvae are detritivorous in damp lawns and grasslands. European origin but now widespread in temperate regions elsewhere.
<i>Eristalis tenax</i> (European drone-fly)	Near Sentry Hut	One	A hoverfly whose larvae live in organic-rich liquids including cesspits, ditches and carcasses. European origin but now widespread globally.
<i>Bombus terrestris</i> (European bumble)	North-South Road near junction with Majuba Track	One	A bee introduced to Tasmania in the 1990s and now widespread across the island.

### 3.4 Threatened species

No listed threatened species were recorded.

Species	Listing status and level (EBPC, State/Territory)	Location sighted/observed	Indication of abundance

### 3.5 Range extensions

In general we don't know enough about the ranges of most insects to say whether or not our records represent range extensions. However, the clam-shrimp in the table below represents a significant in-fill, and although the species is not listed as threatened it would probably qualify for listing, at least at the state level – so this find is a significant one. The significance of the finds for the other two species in the table is less clear.

<b>Species</b>	<b>Location sighted/observed</b>	<b>Distance from nearest known record (km)</b>	<b>Comments</b>
<i>Paralimnadia (Eulimnadia) rivolensis</i> – a species of clam-shrimp	Pond to N of Fothers Hill / S of Majuka Track	150	Several collected by dip-netting 20 Nov 2020, later identified by B. Timms. The species is known from various somewhat saline and ephemeral lagoons in SE Australia. Only other recent Tasmanian record is from the N of Flinders Island (150 km to NE), but in the past also recorded from lagoons in Freycinet in the E, Bruny Island in the S and in the Midlands.
<i>Chortoicetes terminifera</i> (Australian plague locust)	Widely, especially along grassy tracks and in recently burnt areas	?	The fact that this common and itinerant Australian locust was so widespread at Stony Head suggests that it may currently be resident in the far NE of Tasmania.
<i>Lepidogryllus parvulus</i> (a cricket)	Gunners Drive wetland	?	The presence of this cricket at Stony Head was detected by its call; the identification of the subsequently collected specimen was confirmed (at genus level) by sending photos to Matthew Connors. The genus/species

			is relatively rarely recorded, and this may be the first confirmed Tasmanian record (though I found what may be a nymph of the same species at Musselroe, also in NE Tasmania, two years previously).
<i>Trigonidium canberrae</i> (a pygmy-cricket)	SSS2	?	This is another species apparently at the southern limit of its Australian distribution – though it has also been recorded from the NW of the state.
<i>Binburrum angusticollis</i>	na	na	New record for Tasmania; known from northern NSW and southern Queensland.
<i>Caedimorpha heteromera</i> (a darkling beetle)	Sentry Hut beach: among the roots of <i>Acacia longifolia sophorae</i>	?	A scavenging beetle found on sandy shores around the southern Australian coastline. Though it has been recorded from Tasmania, this is the only recent, verified record.
<i>Scymena amphibia</i> (a darkling beetle)	Sentry Hut beach: within the carcasse of a porcupine fish <i>Diodon nychthemerus</i>	?	A scavenging beetle found on sandy shores around the southern Australian coastline. This is the only verified record of the species' occurrence in Tasmania.
<i>Spaniopsis clelandi</i> – a species of snipe-fly	North-South Road: 'Spider Plains North' to West	500 km	A single specimen swept from rushy grassland, 19 Mar 2021. Nearest known record is from the VIC/NSW border.
<i>Mesovelgia hungerfordi</i> – a species of water-treader bug	Fothers Hill: pond	300 km	3 nymphs found on pond. ID uncertain but if confirmed, nearest records are in VIC
<i>Sphaerophoria macrogaster</i> – a species of hoverfly	Seaview Road: Sentry hut: dune hinterland		Three specimens swept from grassland behind

			<p>dunes, 21 Mar 2021. This 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</p>
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### 3.6 Genetic information

No genetic sampling undertaken.

## 4. Information on species lists

As noted above, I was only able to partially identify many of the collected taxa within the given timeframe. I would expect the proportion only partially identified (314/717, or 44%) to decline in coming months and years as I (or others) improve on these identifications. These improvements will be reflected in our periodic updates of specimen data sent to the Atlas of Living Australia.

## 5. Information for land managers

The property has outstanding ecological values – in no small part due to the relatively sympathetic management that it has received as a Military Training Area.

From my perspective, the most valuable habitats are the wetlands (particularly the ‘clam-shrimp’ pond to the north of Fothers Hill, and the wetland inland from the dunes near the Sentry Hut), the grasstree-dominated heathland ridges, the damper patches of woodland containing abundant woody debris (e.g. on Ryans Hill) and the sandy beaches.

One of the biggest risks is phytophthora root-rot. This directly threatens the grasstrees and many other heathland plants, which in turn would threaten many specialist insect species of these habitats. The grasstree fauna here is particularly rich and precious. Hygiene measures and access controls will continue to be important to mitigate the risks to these special habitats.

Another threat is altered fire regimes – especially too-frequent fire. Vehicular access controls and fire-fighting response ability are two measures that are important for mitigating this risk.

Driving on beaches is a risk not only to shore-nesting birds but also to the invertebrates that inhabit the same upper-shore environment. A continuation of vehicular access controls is recommended.

Wetlands are sensitive to nutrient inputs from agricultural runoff, and to damage by heavy vehicles. Access restrictions and other mitigation measures can help reduce these risks.

## 6. Other significant findings

The rich (intact?) 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 property's orthopteran fauna of fourteen grasshoppers, one groundhopper, three katydids, two pygmy-cricket, one raspy-cricket, one log-dwelling 'cave' cricket and two 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 NE of Tasmania.

I am not aware of any other localities in Tasmania with records of at least six species of velvet-ant (Mutillidae), and it seems possible that one or more of the four only partially identified species here will prove to be new to science. Similarly, the list of true ants (24 species) is long by Tasmanian standards. Most ants and velvet-ants are associated with warm, open country such as heathlands and heathy woodlands.

My record of the rarely recorded woodland lacewing *Psychobiella sordida* appears to be the only Tasmanian one on the Atlas of Living Australia (and is our only TMAG specimen), though it is not a new state record. My record of the snipe-fly *Spaniopsis clelandi*, a species associated with wet grasslands and wetlands and found at 'Spider Plains', represents the only known record of the species from Tasmania.

## 7. Conclusions

My assessment is that the Stony Head property has outstanding insect (and clam-shrimp!) biodiversity values in a regional context, despite the apparent lack of threatened species. The managers are commended on having maintained the property in such a condition that it continues to support such a rich fauna. The longer-term survival of the fauna will depend on on-going sympathetic management.

## Acknowledgements

I am thankful for the support provided by BushBlitz, the land managers and the Friends of TMAG that made this BushBlitz such a success.

<b>Appendix 1. List of non-moth insects recorded during the Stony Head Bush Blitz</b>						
<b>Group</b>	<b>Family</b>	<b>Species</b>	<b>Putative new species</b>	<b>Threatened (EPBC Act)</b>	<b>Threatened (State Act)</b>	<b>Exotic / pest</b>
Blattodea	Blaberidae	Calolampra sp TMAG_F12724	Yes	No	No	No
Blattodea	Blattidae	Platyzosteria unplaced	No	No	No	No
Blattodea	Ectobiidae	Balta sp TMAG_F114557	Yes	No	No	No
Blattodea	Ectobiidae	Ellipsoidion sp TMAG_F13423	Yes	No	No	No
Coleoptera	Anthicidae	Lagrioida australis	No	No	No	No
Coleoptera	Anthicidae	Mecynotarsus leai	No	No	No	No
Coleoptera	Anthicidae	Pseudocyclodinus strictus	No	No	No	No
Coleoptera	Anthribidae	Anthribidae unplaced sp TMAG_F114242	Yes	No	No	No
Coleoptera	Anthribidae	Anthribidae unplaced TFIC sp 04	Yes	No	No	No
Coleoptera	Anthribidae	Anthribinae unplaced sp TMAG_F11939	Yes	No	No	No
Coleoptera	Belidae	Pachyura australis	No	No	No	No
Coleoptera	Belidae	Rhinotia bidentata	No	No	No	No
Coleoptera	Belidae	Rhinotia bimaculata	No	No	No	No
Coleoptera	Bostrichidae	Xylion collaris	No	No	No	No
Coleoptera	Bothrideridae	Ascetoderes taeniatus	No	No	No	No
Coleoptera	Buprestidae	Temognatha mitchellii	No	No	No	No
Coleoptera	Cantharidae	Chauliognathus tricolor	No	No	No	No
Coleoptera	Cantharidae	Heteromastix pauxillus	No	No	No	No
Coleoptera	Cantharidae	Heteromastix unplaced	No	No	No	No
Coleoptera	Carabidae	Acallistus tasmanicus	No	No	No	No
Coleoptera	Carabidae	Adelotopus haemorrhoidalis	No	No	No	No
Coleoptera	Carabidae	Amblystomus sp TMAG_F114593	Yes	No	No	No
Coleoptera	Carabidae	Amblytelus curtus	No	No	No	No
Coleoptera	Carabidae	Amblytelus sp TMAG_F115609	Yes	No	No	No
Coleoptera	Carabidae	Anomotarus illawarrae	No	No	No	No
Coleoptera	Carabidae	Carabidae unplaced sp TMAG_F111541	Yes	No	No	No
Coleoptera	Carabidae	Chlaenius australis	No	No	No	No
Coleoptera	Carabidae	Demetrida sp TMAG_F114205	Yes	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Carabidae	Euthenarus promptus	No	No	No	No
Coleoptera	Carabidae	Gnathaphanus melbournensis	No	No	No	No
Coleoptera	Carabidae	Harpalinae unplaced sp TMAG_F114837	Yes	No	No	No
Coleoptera	Carabidae	Homethes elegans	No	No	No	No
Coleoptera	Carabidae	Mecyclothorax ambiguus	No	No	No	No
Coleoptera	Carabidae	Notonomus politulus	No	No	No	No
Coleoptera	Carabidae	Prosopogmus chalybeipennis	No	No	No	No
Coleoptera	Carabidae	Pterostichini unplaced sp TMAG_F114415	Yes	No	No	No
Coleoptera	Carabidae	Sarothrocrepis civica	No	No	No	No
Coleoptera	Carabidae	Sarothrocrepis inquinata	No	No	No	No
Coleoptera	Carabidae	Sarothrocrepis integra	No	No	No	No
Coleoptera	Carabidae	Scaraphites rotundipennis	No	No	No	No
Coleoptera	Carabidae	Scopodes sexpunctus	No	No	No	No
Coleoptera	Carabidae	Scopodes sigillatus	No	No	No	No
Coleoptera	Carabidae	Scopodes sp TMAG_F47096	Yes	No	No	No
Coleoptera	Carabidae	Simodontus sexfoveatus	No	No	No	No
Coleoptera	Carabidae	Sloanella suavis	No	No	No	No
Coleoptera	Carabidae	Trechistus terricola	No	No	No	No
Coleoptera	Carabidae	Trigonothops pacifica	No	No	No	No
Coleoptera	Cerambycidae	Ancita marginicollis	No	No	No	No
Coleoptera	Cerambycidae	Bethelium diversicorne	No	No	No	No
Coleoptera	Cerambycidae	Callidiopini unplaced sp TMAG_F100860	Yes	No	No	No
Coleoptera	Cerambycidae	Callidiopini unplaced sp TMAG_F33390	Yes	No	No	No
Coleoptera	Cerambycidae	Callidiopis scutellaris	No	No	No	No
Coleoptera	Cerambycidae	Cerambycinae unplaced TFIC sp 13	Yes	No	No	No
Coleoptera	Cerambycidae	Distichocera fuliginosa	No	No	No	No
Coleoptera	Cerambycidae	Dorcadida bilocularis	No	No	No	No
Coleoptera	Cerambycidae	Enchoptera apicalis	No	No	No	No
Coleoptera	Cerambycidae	Epithora dorsalis	No	No	No	No
Coleoptera	Cerambycidae	Hesthesis plorator	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Cerambycidae	Mecynopus cothurnatus	No	No	No	No
Coleoptera	Cerambycidae	Neissa inconspicua	No	No	No	No
Coleoptera	Cerambycidae	Phacodes personatus	No	No	No	No
Coleoptera	Cerambycidae	Phalota obscura	No	No	No	No
Coleoptera	Cerambycidae	Phoracantha superans	No	No	No	No
Coleoptera	Cerambycidae	Pseudohalme walkeri	No	No	No	No
Coleoptera	Cerambycidae	Rhinophthalmus nasutus	No	No	No	No
Coleoptera	Cerambycidae	Zoedia divisa	No	No	No	No
Coleoptera	Chrysomelidae	Alticini unplaced sp TMAG_F114401	Yes	No	No	No
Coleoptera	Chrysomelidae	Aporocera viridipennis	No	No	No	No
Coleoptera	Chrysomelidae	Arsipoda concolor	No	No	No	No
Coleoptera	Chrysomelidae	Arsipoda variegata	No	No	No	No
Coleoptera	Chrysomelidae	Chaetocnema propinqua	No	No	No	No
Coleoptera	Chrysomelidae	Ditropidus sp TMAG_F115926	Yes	No	No	No
Coleoptera	Chrysomelidae	Ditropidus TFIC sp 08	Yes	No	No	No
Coleoptera	Chrysomelidae	Eboo elegantula	No	No	No	No
Coleoptera	Chrysomelidae	Eboo villosa	No	No	No	No
Coleoptera	Chrysomelidae	Eboo viridula	No	No	No	No
Coleoptera	Chrysomelidae	Eurispa albipennis	No	No	No	No
Coleoptera	Chrysomelidae	Faex subfasciata	No	No	No	No
Coleoptera	Chrysomelidae	Geloptera jugularis	No	No	No	No
Coleoptera	Chrysomelidae	Monolepta sp TMAG_F112426	Yes	No	No	No
Coleoptera	Chrysomelidae	Monolepta subsuturalis	No	No	No	No
Coleoptera	Chrysomelidae	Paropsides calliope	No	No	No	No
Coleoptera	Chrysomelidae	Paropsis porosa	No	No	No	No
Coleoptera	Chrysomelidae	Paropsisterna lineata	No	No	No	No
Coleoptera	Chrysomelidae	Paropsisterna morio	No	No	No	No
Coleoptera	Chrysomelidae	Paropsisterna nobilitata	No	No	No	No
Coleoptera	Chrysomelidae	Paropsisterna oblitterata	No	No	No	No
Coleoptera	Chrysomelidae	Peltoschema orphana	No	No	No	No



Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Chrysomelidae	Psylliodes marcida	No	No	No	Yes
Coleoptera	Clambidae	Sphaerotherax tasmani	No	No	No	No
Coleoptera	Cleridae	Blackburniella intricata	No	No	No	No
Coleoptera	Cleridae	Eunatalis porcata	No	No	No	No
Coleoptera	Cleridae	Lemidia cicatricosa	No	No	No	No
Coleoptera	Cleridae	Lemidia nitens	No	No	No	No
Coleoptera	Cleridae	Lemidia subaenea	No	No	No	No
Coleoptera	Cleridae	Necrobia rufipes	No	No	No	Yes
Coleoptera	Cleridae	Neoscrobiger patricius	No	No	No	No
Coleoptera	Cleridae	Neoscrobiger rauciceps	No	No	No	No
Coleoptera	Cleridae	Parapylus bicinctus	No	No	No	No
Coleoptera	Cleridae	Tenerus abbreviatus	No	No	No	No
Coleoptera	Coccinellidae	Bucolellus minutus	No	No	No	No
Coleoptera	Coccinellidae	Cleobora mellyi	No	No	No	No
Coleoptera	Coccinellidae	Coccinella transversalis	No	No	No	No
Coleoptera	Coccinellidae	Novius bellus	No	No	No	No
Coleoptera	Coccinellidae	Orcus bilunulatus	No	No	No	No
Coleoptera	Coccinellidae	Rhyzobius foresteri	No	No	No	No
Coleoptera	Coccinellidae	Rhyzobius sp TMAG_F116005	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius sp TMAG_F98708	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius TFIC sp 01	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius TFIC sp 07	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius TFIC sp 09	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius TFIC sp 15	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius TFIC sp 30	Yes	No	No	No
Coleoptera	Coccinellidae	Rhyzobius ventralis	No	No	No	No
Coleoptera	Coccinellidae	Rhyzobius xanthurus	No	No	No	No
Coleoptera	Corylophidae	Holopsis TFIC sp 13	Yes	No	No	No
Coleoptera	Corylophidae	Periptyctus russulus	No	No	No	No
Coleoptera	Corylophidae	Sericoderus sp TMAG_F115630	Yes	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Corylophidae	Sericoderus TFIC sp 17	Yes	No	No	No
Coleoptera	Curculionidae	Aedes cultratus	No	No	No	No
Coleoptera	Curculionidae	Acantholophus tasmaniensis	No	No	No	No
Coleoptera	Curculionidae	Amasa truncata	No	No	No	No
Coleoptera	Curculionidae	Ambrosiodmus compressus	No	No	No	No
Coleoptera	Curculionidae	Ancyttalia oleariae	No	No	No	No
Coleoptera	Curculionidae	Anorthorhinus apicalis	No	No	No	No
Coleoptera	Curculionidae	Aoplocnemis TFIC sp 03	Yes	No	No	No
Coleoptera	Curculionidae	Aphela algarum	No	No	No	No
Coleoptera	Curculionidae	Cnestus pseudosolidus	No	No	No	No
Coleoptera	Curculionidae	Cryptorhynchini unplaced sp TMAG_F114778	Yes	No	No	No
Coleoptera	Curculionidae	Cryptorhynchini unplaced TFIC sp 46	Yes	No	No	No
Coleoptera	Curculionidae	Curculionidae unplaced sp TMAG_F77149	No	No	No	No
Coleoptera	Curculionidae	Curculionidae unplaced sp TMAG_F95604	Yes	No	No	No
Coleoptera	Curculionidae	Curculionidae unplaced sp TMAG_F98766	Yes	No	No	No
Coleoptera	Curculionidae	Elleschodes eucalypti	No	No	No	No
Coleoptera	Curculionidae	Epamoebus ziczac	No	No	No	No
Coleoptera	Curculionidae	Ethemaia OBERPREILER sp nov TFIC sp 01	Yes	No	No	No
Coleoptera	Curculionidae	Ethemaia sellata	No	No	No	No
Coleoptera	Curculionidae	Gerynassa picticornis	No	No	No	No
Coleoptera	Curculionidae	Gonipterus unplaced	No	No	No	No
Coleoptera	Curculionidae	Haplonyx casuarinae	No	No	No	No
Coleoptera	Curculionidae	Leptopiini unplaced sp TMAG_F111372	Yes	No	No	No
Coleoptera	Curculionidae	Leptopiini unplaced sp TMAG_F113716	Yes	No	No	No
Coleoptera	Curculionidae	Leptopiini unplaced sp TMAG_F114592	Yes	No	No	No
Coleoptera	Curculionidae	Leptopiini unplaced sp TMAG_F41329	Yes	No	No	No
Coleoptera	Curculionidae	Leptopius duponti	No	No	No	No
Coleoptera	Curculionidae	Mandalotus sp TMAG_F101554	Yes	No	No	No
Coleoptera	Curculionidae	Merimnetes oblongus	No	No	No	No
Coleoptera	Curculionidae	Merimnetes simplicipennis	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Curculionidae	Merimnetes unplaced	No	No	No	No
Coleoptera	Curculionidae	Meriphus sp TMAG_F115886	Yes	No	No	No
Coleoptera	Curculionidae	Meriphus sp TMAG_F96628	Yes	No	No	No
Coleoptera	Curculionidae	Meriphus tFIC sp 01	Yes	No	No	No
Coleoptera	Curculionidae	Misophrice gloriosa	No	No	No	No
Coleoptera	Curculionidae	Misophrice variabilis	No	No	No	No
Coleoptera	Curculionidae	Mythites tuberculatus	No	No	No	No
Coleoptera	Curculionidae	Orthorhinus cylindrirostris	No	No	No	No
Coleoptera	Curculionidae	Orthorhinus klugii	No	No	No	No
Coleoptera	Curculionidae	Pantoreites TFIC sp 01	Yes	No	No	No
Coleoptera	Curculionidae	Pelororhinus angustatus	No	No	No	No
Coleoptera	Curculionidae	Pentamimus australis	No	No	No	No
Coleoptera	Curculionidae	Poropterus sp TMAG_F47027	Yes	No	No	No
Coleoptera	Curculionidae	Pseudometryrus TFIC sp 01	Yes	No	No	No
Coleoptera	Curculionidae	Pseudotimareta subterranea	No	No	No	No
Coleoptera	Curculionidae	Rhinaria granulosa	No	No	No	No
Coleoptera	Curculionidae	Scotasmus parvicornis	No	No	No	No
Coleoptera	Curculionidae	Thechia pygmaea	No	No	No	No
Coleoptera	Curculionidae	Tychiini unplaced TFIC sp 01	Yes	No	No	No
Coleoptera	Curculionidae	Tychiini unplaced TFIC sp 08	Yes	No	No	No
Coleoptera	Curculionidae	Tychiini unplaced TFIC sp 10	Yes	No	No	No
Coleoptera	Curculionidae	Tychiini unplaced TFIC sp 18	Yes	No	No	No
Coleoptera	Curculionidae	Tychiini unplaced TFIC sp 26	Yes	No	No	No
Coleoptera	Curculionidae	Tyrtaeosus ustulatus	No	No	No	No
Coleoptera	Dermestidae	Dermestes maculatus	No	No	No	Yes
Coleoptera	Dermestidae	Trogoderma sp TMAG_F100945	Yes	No	No	No
Coleoptera	Dytiscidae	Antiporus sp TMAG_F114073	Yes	No	No	No
Coleoptera	Dytiscidae	Antiporus sp TMAG_F97815	Yes	No	No	No
Coleoptera	Dytiscidae	Cybister tripunctatus	No	No	No	No
Coleoptera	Dytiscidae	Dytiscidae unplaced	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Dytiscidae	Dytiscidae unplaced sp TMAG_F111371	Yes	No	No	No
Coleoptera	Dytiscidae	Dytiscidae unplaced sp TMAG_F111461	Yes	No	No	No
Coleoptera	Dytiscidae	Dytiscidae unplaced sp TMAG_F111596	Yes	No	No	No
Coleoptera	Dytiscidae	Dytiscidae unplaced sp TMAG_F114071	Yes	No	No	No
Coleoptera	Dytiscidae	Dytiscidae unplaced sp TMAG_F114433	Yes	No	No	No
Coleoptera	Dytiscidae	Exocelina TFIC sp 01	Yes	No	No	No
Coleoptera	Dytiscidae	Hyderodes schuckardi	No	No	No	No
Coleoptera	Dytiscidae	Limbodessus gemellus	No	No	No	No
Coleoptera	Dytiscidae	Necterosoma undecimlineatum	No	No	No	No
Coleoptera	Dytiscidae	Rhantus suturalis	No	No	No	No
Coleoptera	Dytiscidae	Sternopriscus sp TMAG_F100452	Yes	No	No	No
Coleoptera	Dytiscidae	Sternopriscus sp TMAG_F1114739	Yes	No	No	No
Coleoptera	Dytiscidae	Sternopriscus sp TMAG_F97431	Yes	No	No	No
Coleoptera	Elateridae	Agrypninae unplaced TFIC sp 01	Yes	No	No	No
Coleoptera	Elateridae	Agrypnus impressicollis	No	No	No	No
Coleoptera	Elateridae	Conoderus basalis	No	No	No	No
Coleoptera	Elateridae	Conoderus cordieri	No	No	No	No
Coleoptera	Elateridae	Conoderus sp TMAG_F111417	Yes	No	No	No
Coleoptera	Elateridae	Elateridae unplaced sp TMAG_F111421	Yes	No	No	No
Coleoptera	Elateridae	Elateridae unplaced TFIC sp 30	Yes	No	No	No
Coleoptera	Elateridae	Enischnelater TFIC sp 01	Yes	No	No	No
Coleoptera	Elateridae	Hapatesus sp TMAG_F68612	Yes	No	No	No
Coleoptera	Erotylidae	Thallis compta	No	No	No	No
Coleoptera	Eucnemidae	Dromaeoloides MUONA sp 02	Yes	No	No	No
Coleoptera	Eucnemidae	Dromaeolus australasiae	No	No	No	No
Coleoptera	Eucnemidae	Eucnemidae unplaced sp TMAG_F102313	Yes	No	No	No
Coleoptera	Eucnemidae	Eucnemidae unplaced sp TMAG_F111601	Yes	No	No	No
Coleoptera	Geotrupidae	Geotrupes spiniger	No	No	No	Yes
Coleoptera	Histeridae	Saprinus cyaneus	No	No	No	No
Coleoptera	Histeridae	Saprinus laetus	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Hydrochidae	Hydrochus sp TMAG_F105729	Yes	No	No	No
Coleoptera	Hydrophilidae	Enochrus sp TMAG_F112223	Yes	No	No	No
Coleoptera	Hydrophilidae	Limnoxenus zealandicus	No	No	No	No
Coleoptera	Hydrophilidae	Paracymus cf pygmaeus	No	No	No	No
Coleoptera	Kateretidae	Notobrachypterus TFIC sp 01	Yes	No	No	No
Coleoptera	Latridiidae	Cartodere nodifer	No	No	No	No
Coleoptera	Latridiidae	Corticaria japonica	No	No	No	Yes
Coleoptera	Latridiidae	Cortinicara REIKE sp nov 1	Yes	No	No	No
Coleoptera	Latridiidae	Cortinicara TFIC sp 02	Yes	No	No	No
Coleoptera	Latridiidae	Enicmus REIKE sp nov 1	Yes	No	No	No
Coleoptera	Latridiidae	Enicmus REIKE sp nov 2	Yes	No	No	No
Coleoptera	Latridiidae	Latridiidae unplaced	No	No	No	No
Coleoptera	Leiodidae	Choleva sp TMAG_F114523	Yes	No	No	No
Coleoptera	Leiodidae	Leiodidae unplaced	No	No	No	No
Coleoptera	Leiodidae	Neopelatops TFIC sp 01	Yes	No	No	No
Coleoptera	Lucanidae	Lissotes launcestoni	No	No	No	No
Coleoptera	Lucanidae	Syndesus cornutus	No	No	No	No
Coleoptera	Lycidae	Calochromus TFIC sp 01	Yes	No	No	No
Coleoptera	Lycidae	Xylobanus simplicicornis	No	No	No	No
Coleoptera	Melandryidae	Orchesia austrina	No	No	No	No
Coleoptera	Meloidae	Palaestra cyanipennis	No	No	No	No
Coleoptera	Melyridae	Dasytes sp TMAG_F114426	Yes	No	No	No
Coleoptera	Melyridae	Dasytes sp TMAG_F115933	Yes	No	No	No
Coleoptera	Melyridae	Dicranolaius cinctus	No	No	No	No
Coleoptera	Melyridae	Hypattalus exilis	No	No	No	No
Coleoptera	Melyridae	Hypattalus TFIC sp 01	Yes	No	No	No
Coleoptera	Mordellidae	Glipostenoda TFIC sp 09	Yes	No	No	No
Coleoptera	Mordellidae	Mordella promiscua	No	No	No	No
Coleoptera	Mordellidae	Mordella TFIC sp 03	Yes	No	No	No
Coleoptera	Mordellidae	Mordellidae unplaced	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Mordellidae	Mordellidae unplaced TFIC sp 01	Yes	No	No	No
Coleoptera	Mordellidae	Mordellidae unplaced TFIC sp 04	Yes	No	No	No
Coleoptera	Nitidulidae	Thalycrodes cylindricum	No	No	No	No
Coleoptera	Nitidulidae	Thalycrodes pulchrum	No	No	No	No
Coleoptera	Oedemeridae	Asclera sublineata	No	No	No	No
Coleoptera	Oedemeridae	Dohrnia simplex	No	No	No	No
Coleoptera	Passalidae	Pharochilus rugiceps	No	No	No	No
Coleoptera	Phalacridae	Litochrus alternans	No	No	No	No
Coleoptera	Phalacridae	Litochrus brunneus	No	No	No	No
Coleoptera	Phalacridae	Litochrus TFIC sp 01	Yes	No	No	No
Coleoptera	Phalacridae	Phalacridae unplaced	No	No	No	No
Coleoptera	Phalacridae	Phalacridae unplaced sp TMAG_F115676	Yes	No	No	No
Coleoptera	Phycosecidae	Phycosecis litoralis	No	No	No	No
Coleoptera	Prostomidae	Prostomis atkinsoni	No	No	No	No
Coleoptera	Protocucujidae	Ericmodes australis	No	No	No	No
Coleoptera	Ptiliidae	Acrotrichis TFIC sp 01	Yes	No	No	No
Coleoptera	Ptinidae	Deltocryptus TFIC sp 01	Yes	No	No	No
Coleoptera	Ptinidae	Deltocryptus TFIC sp 04	Yes	No	No	No
Coleoptera	Ptinidae	Dryophilodes sp TMAG_F44455	Yes	No	No	No
Coleoptera	Ptinidae	Dryophilodes TFIC sp 05	Yes	No	No	No
Coleoptera	Ptinidae	Ptinus exulans	No	No	No	No
Coleoptera	Pyrochroidae	Binburrum angusticollis	No	No	No	No
Coleoptera	Rhipiceridae	Rhipicera femorata	No	No	No	No
Coleoptera	Scarabaeidae	Acrossidius tasmaniae	No	No	No	No
Coleoptera	Scarabaeidae	Adoryphorus coulonii	No	No	No	No
Coleoptera	Scarabaeidae	Ataenius basiceps	No	No	No	No
Coleoptera	Scarabaeidae	Automolius depressus	No	No	No	No
Coleoptera	Scarabaeidae	Cheiroplatys latipes	No	No	No	No
Coleoptera	Scarabaeidae	Colpochila obesa	No	No	No	No
Coleoptera	Scarabaeidae	Heteronyx cervina	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Scarabaeidae	Heteronyx dimidiata	No	No	No	No
Coleoptera	Scarabaeidae	Heteronyx diversiceps	No	No	No	No
Coleoptera	Scarabaeidae	Heteronyx oblongus	No	No	No	No
Coleoptera	Scarabaeidae	Heteronyx pubescens	No	No	No	No
Coleoptera	Scarabaeidae	Heteronyx TFIC sp 03	Yes	No	No	No
Coleoptera	Scarabaeidae	Heteronyx unplaced	No	No	No	No
Coleoptera	Scarabaeidae	Melolonthinae unplaced sp TMAG_F114588	Yes	No	No	No
Coleoptera	Scarabaeidae	Onthophagus australis	No	No	No	No
Coleoptera	Scarabaeidae	Onthophagus fuliginosus	No	No	No	No
Coleoptera	Scarabaeidae	Onthophagus pronus	No	No	No	No
Coleoptera	Scarabaeidae	Phyllotocus bimaculatus	No	No	No	No
Coleoptera	Scarabaeidae	Phyllotocus erythropterus	No	No	No	No
Coleoptera	Scarabaeidae	Phyllotocus nigripennis	No	No	No	No
Coleoptera	Scarabaeidae	Saulostomus villosus	No	No	No	No
Coleoptera	Scarabaeidae	Scitala sericans	No	No	No	No
Coleoptera	Scarabaeidae	Sericesthis nigrolineata	No	No	No	No
Coleoptera	Scarabaeidae	Telura vitticollis	No	No	No	No
Coleoptera	Scirtidae	Pictacara tasmanica	No	No	No	No
Coleoptera	Scraptiidae	Scraptia laticollis	No	No	No	No
Coleoptera	Silphidae	Ptomaphila lacrymosa	No	No	No	No
Coleoptera	Sphindidae	Aspidiphorus humeralis	No	No	No	No
Coleoptera	Staphylinidae	Aleochara blackburni	No	No	No	No
Coleoptera	Staphylinidae	Aleocharinae unplaced sp TMAG_F114112	Yes	No	No	No
Coleoptera	Staphylinidae	Aleocharinae unplaced sp TMAG_F114580	Yes	No	No	No
Coleoptera	Staphylinidae	Aleocharinae unplaced sp TMAG_F114822	Yes	No	No	No
Coleoptera	Staphylinidae	Aleocharinae unplaced sp TMAG_F116183	Yes	No	No	No
Coleoptera	Staphylinidae	Aleocharinae unplaced sp TMAG_F11795	Yes	No	No	No
Coleoptera	Staphylinidae	Anabaxis CHANDLER Type 1	No	No	No	No
Coleoptera	Staphylinidae	Anabaxis sp TMAG_F114518	Yes	No	No	No
Coleoptera	Staphylinidae	Anotylus TFIC sp 02	Yes	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Coleoptera	Staphylinidae	Blepharhymenus sp TMAG_F114517	Yes	No	No	No
Coleoptera	Staphylinidae	Cafius sabulosus	No	No	No	No
Coleoptera	Staphylinidae	Euconnus sp TMAG_F114965	Yes	No	No	No
Coleoptera	Staphylinidae	Horaeomorphus sp TMAG_F115758	Yes	No	No	No
Coleoptera	Staphylinidae	Leucocraspedum sp TMAG_F115640	Yes	No	No	No
Coleoptera	Staphylinidae	Logasa TFIC sp 01	Yes	No	No	No
Coleoptera	Staphylinidae	Paederus cruenticollis	No	No	No	No
Coleoptera	Staphylinidae	Quedius stenocephalus	No	No	No	No
Coleoptera	Staphylinidae	Quedius TFIC sp 04	Yes	No	No	No
Coleoptera	Staphylinidae	Rybaxis strigicollis	No	No	No	No
Coleoptera	Staphylinidae	Staphylininae unplaced sp TMAG_F96390	Yes	No	No	No
Coleoptera	Staphylinidae	Tetrabothrus claviger	No	No	No	No
Coleoptera	Tenebrionidae	Adelium abbreviatum	No	No	No	No
Coleoptera	Tenebrionidae	Adelium brevicorne	No	No	No	No
Coleoptera	Tenebrionidae	Adelium licinoides	No	No	No	No
Coleoptera	Tenebrionidae	Adelium similitum	No	No	No	No
Coleoptera	Tenebrionidae	Atoichus bicolor	No	No	No	No
Coleoptera	Tenebrionidae	Caedimorpha heteromera	No	No	No	No
Coleoptera	Tenebrionidae	Celibe infelix	No	No	No	No
Coleoptera	Tenebrionidae	Coripera deplanata	No	No	No	No
Coleoptera	Tenebrionidae	Ecnolagria rufescens	No	No	No	No
Coleoptera	Tenebrionidae	Gonocephalum cf elderi	No	No	No	No
Coleoptera	Tenebrionidae	Hyocis bakewelli	No	No	No	No
Coleoptera	Tenebrionidae	Isopteron obscurum	No	No	No	No
Coleoptera	Tenebrionidae	Lepispilus sulcicollis	No	No	No	No
Coleoptera	Tenebrionidae	Meneristes australis	No	No	No	No
Coleoptera	Tenebrionidae	Olisthaena nitida	No	No	No	No
Coleoptera	Tenebrionidae	Pemanoa tasmanica	No	No	No	No
Coleoptera	Tenebrionidae	Promethis angulata	No	No	No	No
Coleoptera	Tenebrionidae	Saragus costatus	No	No	No	No



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Coleoptera	Tenebrionidae	Scymena amphibia	No	No	No	No
Coleoptera	Tenebrionidae	Seirottrana elongata	No	No	No	No
Coleoptera	Tenebrionidae	Sphargeris physodes	No	No	No	No
Coleoptera	Tenebrionidae	Zophophilus nigerrimus	No	No	No	No
Coleoptera	Throscidae	Aulonothroscus elongatus	No	No	No	No
Coleoptera	Trogidae	Omorgus australasiae	No	No	No	No
Coleoptera	Zopheridae	Docalis funerosa	No	No	No	No
Coleoptera	Zopheridae	Pycnomerus fuliginosus	No	No	No	No
Dermaptera	Anisolabididae	Euborellia brunneri	No	No	No	No
Dermaptera	Anisolabididae	Gonolabis unplaced	No	No	No	No
Dermaptera	Labiduridae	Labidura riparia	No	No	No	No
Diptera	Anisopodidae	Sylvicola sp TMAG_F114083	Yes	No	No	No
Diptera	Anisopodidae	Sylvicola sp TMAG_F97215	Yes	No	No	No
Diptera	Asilidae	Cerdistus unplaced	No	No	No	No
Diptera	Asilidae	Leptogaster whitei	No	No	No	No
Diptera	Bibionidae	Dilophus unplaced	No	No	No	No
Diptera	Bombyliidae	Exechohypopion unplaced	No	No	No	No
Diptera	Bombyliidae	Geron dispar	No	No	No	No
Diptera	Bombyliidae	Meomyia fasciculata	No	No	No	No
Diptera	Bombyliidae	Villa fuscicostata	No	No	No	No
Diptera	Calliphoridae	Calliphorinae unplaced	No	No	No	No
Diptera	Calliphoridae	Chrysomya saffranae	No	No	No	No
Diptera	Calliphoridae	Luciliinae unplaced sp TMAG_F114854	Yes	No	No	No
Diptera	Calliphoridae	Luciliinae unplaced sp TMAG_F114858	Yes	No	No	No
Diptera	Canacidae	Canacidae unplaced sp TMAG_F114191	Yes	No	No	No
Diptera	Ceratopogonidae	Ceratopogonidae unplaced	No	No	No	No
Diptera	Chironomidae	Chironomidae unplaced	No	No	No	No
Diptera	Chironomidae	Chironomidae unplaced sp TMAG_F121072	No	No	No	No
Diptera	Chloropidae	Apotropina ornatipennis	No	No	No	No
Diptera	Chloropidae	Chloropidae unplaced sp TMAG_F114088	Yes	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Diptera	Chloropidae	Chloropidae unplaced sp TMAG_F114100	Yes	No	No	No
Diptera	Coelopidae	Chaetocoelopa sydneyensis	No	No	No	No
Diptera	Conopidae	Microconops tasmaniensis	No	No	No	No
Diptera	Dolichopodidae	Arachnomyia sp TMAG_F116071	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced	No	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F100541	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F111387	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F115652	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F115776	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F115811	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F97581	Yes	No	No	No
Diptera	Dolichopodidae	Dolichopodidae unplaced sp TMAG_F99139	Yes	No	No	No
Diptera	Dolichopodidae	Heteropsilopus cingulipes	No	No	No	No
Diptera	Dolichopodidae	Heteropsilopus ingenuus	No	No	No	No
Diptera	Dolichopodidae	Hydrophorus sp TMAG_F111385	Yes	No	No	No
Diptera	Dolichopodidae	Nothorhaphium sp TMAG_F100617	Yes	No	No	No
Diptera	Dolichopodidae	Sciapodinae unplaced sp TMAG_F97454	Yes	No	No	No
Diptera	Empididae	Empididae unplaced	No	No	No	No
Diptera	Empididae	Thinempis turimetta	No	No	No	No
Diptera	Ephydriidae	Ephydriidae unplaced sp TMAG_F98245	Yes	No	No	No
Diptera	Ephydriidae	Hydrellia tritici	No	No	No	No
Diptera	Ephydriidae	Hydrellia victoria	No	No	No	No
Diptera	Ephydriidae	Scatella albilutea	No	No	No	No
Diptera	Ephydriidae	Scatella sp TMAG_F114785	Yes	No	No	No
Diptera	Ephydriidae	Scatella unplaced	No	No	No	No
Diptera	Heteromyzidae	Diplogeomyza maculipennis	No	No	No	No
Diptera	Heteromyzidae	Tapeigaster nigricornis	No	No	No	No
Diptera	Heteromyzidae	Tapeigaster paramonovi	No	No	No	No
Diptera	Heteromyzidae	Tapeigaster sp TMAG_F114384	Yes	No	No	No
Diptera	Lauxaniidae	Incurviseta sp TMAG_F101050	Yes	No	No	No

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Diptera	Lauxaniidae	Lauxaniidae unplaced sp TMAG_F112412	Yes	No	No	No
Diptera	Lauxaniidae	Lauxaniidae unplaced sp TMAG_F114007	Yes	No	No	No
Diptera	Lauxaniidae	Lauxaniidae unplaced sp TMAG_F114155	No	No	No	No
Diptera	Lauxaniidae	Lauxaniidae unplaced sp TMAG_F41248	Yes	No	No	No
Diptera	Lauxaniidae	Lauxaniidae unplaced sp TMAG_F98214	Yes	No	No	No
Diptera	Lauxaniidae	Meiosimyza appula	No	No	No	No
Diptera	Lauxaniidae	Paranomina longa	No	No	No	No
Diptera	Lauxaniidae	Poecilohetaerus aquilus	No	No	No	No
Diptera	Lauxaniidae	Poecilohetaerus schineri	No	No	No	No
Diptera	Lauxaniidae	Sapromyza alboatra	No	No	No	No
Diptera	Lauxaniidae	Sapromyza brunneovittata	No	No	No	No
Diptera	Lauxaniidae	Sapromyza metallica	No	No	No	No
Diptera	Lauxaniidae	Steganopsis melanogaster	No	No	No	No
Diptera	Lauxaniidae	Trigonometopsis binotata	No	No	No	No
Diptera	Limoniidae	Limoniidae unplaced sp TMAG_F112296	Yes	No	No	No
Diptera	Limoniidae	Limoniidae unplaced sp TMAG_F114198	Yes	No	No	No
Diptera	Lonchaeidae	Lonchaeidae unplaced sp TMAG_F6351	Yes	No	No	No
Diptera	Lonchopteridae	Lonchoptera bifurcata	No	No	No	Yes
Diptera	Muscidae	Australophyra rostrata	No	No	No	No
Diptera	Muscidae	Coenosia sp TMAG_F101349	Yes	No	No	No
Diptera	Muscidae	Coenosia sp TMAG_F114459	Yes	No	No	No
Diptera	Muscidae	Coenosia sp TMAG_F47332	Yes	No	No	No
Diptera	Muscidae	Helina sp TMAG_F100148	Yes	No	No	No
Diptera	Muscidae	Helina sp TMAG_F101117	Yes	No	No	No
Diptera	Muscidae	Helina sp TMAG_F12791	Yes	No	No	No
Diptera	Muscidae	Helina sp TMAG_F47165	Yes	No	No	No
Diptera	Muscidae	Helinomydaea fuscoflava	No	No	No	No
Diptera	Muscidae	Lispe cana	No	No	No	No
Diptera	Muscidae	Muscidae unplaced	No	No	No	No
Diptera	Muscidae	Muscidae unplaced sp TMAG_F101209	Yes	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Diptera	Muscidae	Muscidae unplaced sp TMAG_F114209	Yes	No	No	No
Diptera	Muscidae	Muscidae unplaced sp TMAG_F114738	Yes	No	No	No
Diptera	Muscidae	Muscidae unplaced sp TMAG_F47357	Yes	No	No	No
Diptera	Muscidae	Muscidae unplaced sp TMAG_F97355	Yes	No	No	No
Diptera	Mycetophilidae	Mycetophilidae unplaced sp TMAG_F100223	Yes	No	No	No
Diptera	Piophilidae	Piophila casei	No	No	No	No
Diptera	Pipunculidae	Pipunculidae unplaced	No	No	No	No
Diptera	Platystomatidae	Duomyia decora	No	No	No	No
Diptera	Platystomatidae	Duomyia sp TMAG_F114140	Yes	No	No	No
Diptera	Platystomatidae	Rivellia unplaced	No	No	No	No
Diptera	Pyrgotidae	Cardiacera uniforma	No	No	No	No
Diptera	Rhagionidae	Chrysopilus imitator	No	No	No	No
Diptera	Rhagionidae	Chrysopilus sp nr graciosus	Yes	No	No	No
Diptera	Rhagionidae	Spaniopsis clelandi	No	No	No	No
Diptera	Rhiniidae	Stomorhina subapicalis	No	No	No	No
Diptera	Sarcophagidae	Oxysarcodexia varia	No	No	No	No
Diptera	Sarcophagidae	Sarcophaga sp TMAG_F72915	Yes	No	No	No
Diptera	Sarcophagidae	Sarcophaginae unplaced sp TMAG_F111611	Yes	No	No	No
Diptera	Sarcophagidae	Sarcophaginae unplaced sp TMAG_F96711	Yes	No	No	No
Diptera	Sciaridae	Sciaridae unplaced	No	No	No	No
Diptera	Sciomyzidae	Dichetophora australis	No	No	No	No
Diptera	Sciomyzidae	Pherbellia juxtajavana	No	No	No	No
Diptera	Sepsidae	Parapalaeosepsis plebeia	No	No	No	No
Diptera	Sepsidae	Sepsidae unplaced sp TMAG_F114761	Yes	No	No	No
Diptera	Sphaeroceridae	Howickia cf myrmecophila	No	No	No	No
Diptera	Sphaeroceridae	Thoracochaeta unplaced	No	No	No	No
Diptera	Stratiomyidae	Boreoides tasmaniensis	No	No	No	No
Diptera	Stratiomyidae	Octarthria brunnipennis	No	No	No	No
Diptera	Stratiomyidae	Odontomyia sp TMAG_F96259	Yes	No	No	No
Diptera	Syrphidae	Austalis pulchella	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Diptera	Syrphidae	Cyphipelta rufocyanea	No	No	No	No
Diptera	Syrphidae	Eristalis tenax	No	No	No	Yes
Diptera	Syrphidae	Eumerus argyrogaster	No	No	No	No
Diptera	Syrphidae	Eumerus latipes	No	No	No	No
Diptera	Syrphidae	Eumerus unplaced	No	No	No	No
Diptera	Syrphidae	Hemilampra sp TMAG_F103559	Yes	No	No	No
Diptera	Syrphidae	Melangyna viridiceps	No	No	No	No
Diptera	Syrphidae	Orthoprosopa grisea	No	No	No	No
Diptera	Syrphidae	Sphaerophoria macrogaster	No	No	No	No
Diptera	Tabanidae	Cydistomorpha vetusta	No	No	No	No
Diptera	Tabanidae	Dasybasis neolatifrons	No	No	No	No
Diptera	Tabanidae	Dasybasis unplaced	No	No	No	No
Diptera	Tabanidae	Scaptia auriflua	No	No	No	No
Diptera	Tachinidae	Eurygastropsis tasmaniae	No	No	No	No
Diptera	Tachinidae	Tachinidae unplaced	No	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F110251	Yes	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F114390	Yes	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F114969	Yes	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F115698	Yes	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F116081	Yes	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F47646	Yes	No	No	No
Diptera	Tachinidae	Tachinidae unplaced sp TMAG_F57505	Yes	No	No	No
Diptera	Tachinidae	Trigonospila sp TMAG_F47331	Yes	No	No	No
Diptera	Tachinidae	Trigonospila unplaced	Yes	No	No	No
Diptera	Tephritidae	Austrotephritis poenia	No	No	No	No
Diptera	Tephritidae	Sphenella ruficeps	No	No	No	No
Diptera	Tephritidae	Urophora stylata	No	No	No	Yes
Diptera	Therevidae	Acraspisa sp TMAG_F95917	Yes	No	No	No
Diptera	Therevidae	Acupalpa sp TMAG_F96343	Yes	No	No	No
Diptera	Therevidae	Anabarhynchus fuscoapicatus	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Diptera	Therevidae	Anabarhynchus maritimus	No	No	No	No
Diptera	Therevidae	Bonjeania actiosa	No	No	No	No
Diptera	Therevidae	Ectinorhynchus unplaced	No	No	No	No
Diptera	Therevidae	Evansomyia phyciformis	No	No	No	No
Diptera	Therevidae	Neodialineura nitens	No	No	No	No
Diptera	Tipulidae	Ischnotoma par	No	No	No	No
Diptera	Tipulidae	Ischnotoma unplaced	No	No	No	No
Diptera	Tipulidae	Leptotarsus unplaced	No	No	No	No
Diptera	Tipulidae	Tipulidae unplaced	No	No	No	No
Hemiptera	Acanthosomatidae	Duadicus pallidus	No	No	No	No
Hemiptera	Acanthosomatidae	Elasmostethus sp TMAG_F98349	Yes	No	No	No
Hemiptera	Acanthosomatidae	Eupolemus tasmanicus	No	No	No	No
Hemiptera	Acanthosomatidae	Eupolemus virescens	No	No	No	No
Hemiptera	Acanthosomatidae	Hiarchas angularis	No	No	No	No
Hemiptera	Acanthosomatidae	Stauralia chloracantha	No	No	No	No
Hemiptera	Acanthosomatidae	Stauralia unplaced	No	No	No	No
Hemiptera	Achilidae	Argeleusa sp TMAG_F114873	Yes	No	No	No
Hemiptera	Achilidae	Argeleusa sp TMAG_F56999	Yes	No	No	No
Hemiptera	Achilidae	Argeleusa unplaced	No	No	No	No
Hemiptera	Alydidae	Riptortus sp TMAG_F46814	Yes	No	No	No
Hemiptera	Aphididae	Aphididae unplaced	No	No	No	No
Hemiptera	Aradidae	Brachyrhynchus wilsoni	No	No	No	No
Hemiptera	Ceratocombidae	Ceratocombus australiensis	No	No	No	No
Hemiptera	Cercopidae	Anyllis leiala	No	No	No	No
Hemiptera	Cercopidae	Bathyllus albicinctus	No	No	No	No
Hemiptera	Cercopidae	Petyllis deprivata	No	No	No	No
Hemiptera	Cicadellidae	Austroagalloides rosea	No	No	No	No
Hemiptera	Cicadellidae	Cicadellidae unplaced	No	No	No	No
Hemiptera	Cicadellidae	Cicadellidae unplaced sp TMAG_F104906	Yes	No	No	No
Hemiptera	Cicadellidae	Cicadellidae unplaced sp TMAG_F114098	Yes	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Hemiptera	Cicadellidae	Eurymeloides sp TMAG_F115675	Yes	No	No	No
Hemiptera	Cicadellidae	Rhotidus teliformis	No	No	No	No
Hemiptera	Cicadellidae	Tartessinae unplaced sp TMAG_F57750	Yes	No	No	No
Hemiptera	Cicadellidae	Tolasella sp TMAG_F96921	Yes	No	No	No
Hemiptera	Cicadidae	Gelidea torrida	No	No	No	No
Hemiptera	Cixiidae	Chidaea armidalensis	No	No	No	No
Hemiptera	Coreidae	Agriopocoris unplaced	No	No	No	No
Hemiptera	Coreidae	Mictis profana	No	No	No	No
Hemiptera	Corixidae	Corixidae unplaced sp TMAG_F111598	Yes	No	No	No
Hemiptera	Corixidae	Diaprepocoris barycephala	No	No	No	No
Hemiptera	Corixidae	Sigara neboissi	No	No	No	No
Hemiptera	Corixidae	Sigara unplaced	No	No	No	No
Hemiptera	Cydnidae	Adrisa atra	No	No	No	No
Hemiptera	Derbidae	Saccharodite sp TMAG_F95334	Yes	No	No	No
Hemiptera	Dictyopharidae	Dictyopharidae unplaced sp TMAG_F114941	Yes	No	No	No
Hemiptera	Dictyopharidae	Thanatodictya cf hebe	No	No	No	No
Hemiptera	Enicocephalidae	Systelloderes sp TMAG_F98285	Yes	No	No	No
Hemiptera	Flatidae	Anzora unicolor	No	No	No	No
Hemiptera	Flatidae	Siphanta cf hebes	No	No	No	No
Hemiptera	Flatidae	Siphanta tasmanica	No	No	No	No
Hemiptera	Fulgoridae	Rentinus dilatatus	No	No	No	No
Hemiptera	Gelastocoridae	Nerthra sp TMAG_F97681	Yes	No	No	No
Hemiptera	Gerridae	Gerridae unplaced sp TMAG_F114374	Yes	No	No	No
Hemiptera	Lygaeidae	Nysius sp TMAG_F100513	Yes	No	No	No
Hemiptera	Lygaeidae	Nysius sp TMAG_F101765	Yes	No	No	No
Hemiptera	Membracidae	Ceraon tasmaniae	No	No	No	No
Hemiptera	Membracidae	Sextius cf virescens	No	No	No	No
Hemiptera	Mesoveliidae	Mesovelia hungerfordi	No	No	No	No
Hemiptera	Miridae	Ausejanus sp TMAG_F104910	Yes	No	No	No
Hemiptera	Miridae	Austromiris nigronasutus	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Hemiptera	Miridae	Leucophoraptera cavenda	No	No	No	No
Hemiptera	Miridae	Miridae unplaced	No	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F101393	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F113993	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F114097	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F114227	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F114275	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F114276	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F41263	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F59004	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F7166	No	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F95825	Yes	No	No	No
Hemiptera	Miridae	Miridae unplaced sp TMAG_F97035	Yes	No	No	No
Hemiptera	Miridae	Ommatodema leanum	No	No	No	No
Hemiptera	Miridae	Pseudopantilius australis	No	No	No	No
Hemiptera	Nabidae	Nabis biformis	No	No	No	No
Hemiptera	Nabidae	Nabis kinbergii	No	No	No	No
Hemiptera	Naucoridae	Naucoris congrex	No	No	No	No
Hemiptera	Nepidae	Ranatra dispar	No	No	No	No
Hemiptera	Notonectidae	Anisops deanei	No	No	No	No
Hemiptera	Notonectidae	Anisops unplaced	No	No	No	No
Hemiptera	Notonectidae	Enithares woodwardi	No	No	No	No
Hemiptera	Ochteridae	Ochterus unplaced	No	No	No	No
Hemiptera	Pentatomidae	Cuspicona stenuella	No	No	No	No
Hemiptera	Pentatomidae	Dictyotus caenosus	No	No	No	No
Hemiptera	Pentatomidae	Ocirrhoe westwoodi	No	No	No	No
Hemiptera	Pentatomidae	Oechalia schellenbergii	No	No	No	No
Hemiptera	Pentatomidae	Omyta centrolineata	No	No	No	No
Hemiptera	Pentatomidae	Oncocoris geniculatus	No	No	No	No
Hemiptera	Pentatomidae	Platycoris rugosus	No	No	No	No



Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Hemiptera	Pentatomidae	Tholosanus proximus	No	No	No	No
Hemiptera	Psyllidae	Acizzia sp TMAG_F100925	Yes	No	No	No
Hemiptera	Psyllidae	Psyllidae unplaced	No	No	No	No
Hemiptera	Psyllidae	Psyllidae unplaced sp TMAG_F114019	Yes	No	No	No
Hemiptera	Psyllidae	Psyllidae unplaced sp TMAG_F67423	Yes	No	No	No
Hemiptera	Psyllidae	Psyllidae unplaced sp TMAG_F99058	Yes	No	No	No
Hemiptera	Reduviidae	Coranus trabeatus	No	No	No	No
Hemiptera	Reduviidae	Gminatus australis	No	No	No	No
Hemiptera	Reduviidae	Peirates fuliginosus	No	No	No	No
Hemiptera	Reduviidae	Pseudobargylia iuncea	No	No	No	No
Hemiptera	Reduviidae	Ptilocnemus lemur	No	No	No	No
Hemiptera	Rhyparochromidae	Daerlac tricolor	No	No	No	No
Hemiptera	Rhyparochromidae	Euander lacertosus	No	No	No	No
Hemiptera	Rhyparochromidae	Myocara acuminatum	No	No	No	No
Hemiptera	Rhyparochromidae	Rhyparochromidae unplaced sp TMAG_F114514	Yes	No	No	No
Hemiptera	Rhyparochromidae	Rhyparochromidae unplaced sp TMAG_F114524	Yes	No	No	No
Hemiptera	Rhyparochromidae	Rhyparochromidae unplaced sp TMAG_F57782	Yes	No	No	No
Hemiptera	Ricaniidae	Scolypopa australis	No	No	No	No
Hemiptera	Saldidae	Saldula unplaced	No	No	No	No
Hemiptera	Scutelleridae	Scutiphora pedicellata	No	No	No	No
Hemiptera	Thaumastocoridae	Baclozygum brachypterum	No	No	No	No
Hemiptera	Tingidae	Epimixia allocasuarina	No	No	No	No
Hemiptera	Tingidae	Epimixia sp TMAG_F114621	Yes	No	No	No
Hemiptera	Tingidae	Tingidae unplaced sp TMAG_F115936	Yes	No	No	No
Hemiptera	Veliidae	Microvelia oceanica	No	No	No	No
Hemiptera	Veliidae	Nesidovelia peramoena	No	No	No	No
Hymenoptera	Apidae	Bombus terrestris	No	No	No	Yes
Hymenoptera	Apidae	Exoneura bicolor	No	No	No	No
Hymenoptera	Apidae	Exoneura unplaced	No	No	No	No
Hymenoptera	Apocrita non-Aculeata unplaced	Apocrita non-Aculeata unplaced	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Hymenoptera	Apocrita non-Aculeata unplaced	Apocrita non-Aculeata unplaced sp TMAG_F112711	Yes	No	No	No
Hymenoptera	Apoidea unplaced	Apoidea unplaced	No	No	No	No
Hymenoptera	Bethylidae	Bethylidae unplaced	No	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced	No	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114080	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114263	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114273	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114600	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114607	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114727	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F114728	Yes	No	No	No
Hymenoptera	Braconidae	Braconidae unplaced sp TMAG_F115756	Yes	No	No	No
Hymenoptera	Braconidae	Braconinae unplaced sp TMAG_F94569	Yes	No	No	No
Hymenoptera	Braconidae	Braconinae unplaced sp TMAG_F96726	Yes	No	No	No
Hymenoptera	Chalcididae	Chalcididae unplaced sp TMAG_F97623	Yes	No	No	No
Hymenoptera	Chrysididae	Cleptinae unplaced sp TMAG_F114823	Yes	No	No	No
Hymenoptera	Colletidae	Callomelitta sp TMAG_F3998	Yes	No	No	No
Hymenoptera	Colletidae	Colletidae unplaced	No	No	No	No
Hymenoptera	Colletidae	Leioproctus sp TMAG_F97230	Yes	No	No	No
Hymenoptera	Crabronidae	Bembix furcata	No	No	No	No
Hymenoptera	Crabronidae	Pison westwoodii	No	No	No	No
Hymenoptera	Crabronidae	Rhopalum sp TMAG_F102407	Yes	No	No	No
Hymenoptera	Crabronidae	Tachysphex unplaced	No	No	No	No
Hymenoptera	Evaniidae	Acanthinevania sp TMAG_F100787	Yes	No	No	No
Hymenoptera	Formicidae	Amblyopone australis	No	No	No	No
Hymenoptera	Formicidae	Anonychomyrma biconvexa	No	No	No	No
Hymenoptera	Formicidae	Anonychomyrma nitidiceps	No	No	No	No
Hymenoptera	Formicidae	Austromorium sp TMAG_F11425	Yes	No	No	No
Hymenoptera	Formicidae	Camponotus claripes	No	No	No	No
Hymenoptera	Formicidae	Camponotus consobrinus	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Hymenoptera	Formicidae	Camponotus hartogi	No	No	No	No
Hymenoptera	Formicidae	Camponotus sp TMAG_F115018	Yes	No	No	No
Hymenoptera	Formicidae	Camponotus terebrans	No	No	No	No
Hymenoptera	Formicidae	Formicidae unplaced	No	No	No	No
Hymenoptera	Formicidae	Formicidae unplaced sp TMAG_F114826	Yes	No	No	No
Hymenoptera	Formicidae	Formicidae unplaced sp TMAG_F115925	Yes	No	No	No
Hymenoptera	Formicidae	Iridomyrmex sp TMAG_F101247	Yes	No	No	No
Hymenoptera	Formicidae	Monomorium unplaced	No	No	No	No
Hymenoptera	Formicidae	Myrmecia forficata	No	No	No	No
Hymenoptera	Formicidae	Myrmecia fulvipes	No	No	No	No
Hymenoptera	Formicidae	Myrmecia pilosula	No	No	No	No
Hymenoptera	Formicidae	Myrmecia urens	No	No	No	No
Hymenoptera	Formicidae	Pheidole unplaced	No	No	No	No
Hymenoptera	Formicidae	Polyrhachis patiens	No	No	No	No
Hymenoptera	Formicidae	Polyrhachis sp TMAG_F95827	Yes	No	No	No
Hymenoptera	Formicidae	Prolasius unplaced	No	No	No	No
Hymenoptera	Formicidae	Rhytidoponera tasmaniensis	No	No	No	No
Hymenoptera	Formicidae	Tetramorium sp TMAG_F115050	Yes	No	No	No
Hymenoptera	Halictidae	Halictidae unplaced	No	No	No	No
Hymenoptera	Ichneumonidae	Campopleginae unplaced sp TMAG_F115845	No	No	No	No
Hymenoptera	Ichneumonidae	Cryptinae unplaced sp TMAG_F47661	No	No	No	No
Hymenoptera	Ichneumonidae	Cryptinae unplaced sp TMAG_F47672	No	No	No	No
Hymenoptera	Ichneumonidae	Echthromorpha intricatoria	No	No	No	No
Hymenoptera	Ichneumonidae	Ichneumon promissorius	No	No	No	No
Hymenoptera	Ichneumonidae	Ichneumonidae unplaced	No	No	No	No
Hymenoptera	Ichneumonidae	Ichneumonidae unplaced sp TMAG_F114288	Yes	No	No	No
Hymenoptera	Ichneumonidae	Ichneumonidae unplaced sp TMAG_F115688	Yes	No	No	No
Hymenoptera	Ichneumonidae	Ichneumonidae unplaced sp TMAG_F71974	Yes	No	No	No
Hymenoptera	Ichneumonidae	Netelia unplaced	No	No	No	No
Hymenoptera	Mutillidae	Ephutomorpha subcristata	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Hymenoptera	Mutillidae	Mutillidae unplaced sp TMAG_F114929	Yes	No	No	No
Hymenoptera	Mutillidae	Mutillidae unplaced sp TMAG_F114987	Yes	No	No	No
Hymenoptera	Mutillidae	Mutillidae unplaced sp TMAG_F115032	Yes	No	No	No
Hymenoptera	Mutillidae	Mutillidae unplaced sp TMAG_F115033	Yes	No	No	No
Hymenoptera	Mutillidae	Odontomyrme cordatiformis	No	No	No	No
Hymenoptera	Pompilidae	Ctenostegus unplaced	No	No	No	No
Hymenoptera	Pompilidae	Pompilidae unplaced sp TMAG_F115028	Yes	No	No	No
Hymenoptera	Pompilidae	Pompilidae unplaced sp TMAG_F115034	Yes	No	No	No
Hymenoptera	Pompilidae	Sphictostethus unplaced	No	No	No	No
Hymenoptera	Pompilidae	Turneromyia unplaced	No	No	No	No
Hymenoptera	Sphecidae	Podalonia tydei	No	No	No	No
Hymenoptera	Tiphiidae	Aeolothynnus westwoodi	No	No	No	No
Hymenoptera	Tiphiidae	Catocheilus apterus	No	No	No	No
Hymenoptera	Tiphiidae	Diamma bicolor	No	No	No	No
Hymenoptera	Tiphiidae	Eirone lucida	No	No	No	No
Hymenoptera	Tiphiidae	Tachynomyia abdominalis	No	No	No	No
Hymenoptera	Tiphiidae	Thynninae unplaced	No	No	No	No
Hymenoptera	Tiphiidae	Thynninae unplaced sp TMAG_F114264	Yes	No	No	No
Hymenoptera	Tiphiidae	Thynninae unplaced sp TMAG_F114998	Yes	No	No	No
Hymenoptera	Tiphiidae	Thynninae unplaced sp TMAG_F115699	Yes	No	No	No
Hymenoptera	Tiphiidae	Thynninae unplaced sp TMAG_F96405	Yes	No	No	No
Hymenoptera	Tiphiidae	Thynnoides mesopleuralis	No	No	No	No
Hymenoptera	Vespidae	Paralastor unplaced	No	No	No	No
Hymenoptera	Vespidae	Vespula germanica	No	No	No	No
Mantodea	Amorphoscelidae	Paraoxypilus tasmaniensis	No	No	No	No
Mantodea	Mantidae	Orthodera ministralis	No	No	No	No
Mecoptera	Bittacidae	Harpobittacus australis	No	No	No	No
Neuroptera	Chrysopidae	Apertochrysa edwardsi	No	No	No	No
Neuroptera	Hemerobiidae	Drepanacra binocula	No	No	No	No
Neuroptera	Hemerobiidae	Micromus tasmaniae	No	No	No	No

Group	Family	Species	Putative new species	Threatened (EPBC Act)	Threatened (State Act)	Exotic / pest
Neuroptera	Hemerobiidae	Notherobius nothofagi	No	No	No	No
Neuroptera	Hemerobiidae	Psychobiella sordida	No	No	No	No
Neuroptera	Myrmeleontidae	Escura australis	No	No	No	No
Neuroptera	Myrmeleontidae	Myrmeleontidae unplaced	No	No	No	No
Neuroptera	Osmylidae	Stenosmylus tenuis	No	No	No	No
Orthoptera	Acrididae	Acrididae unplaced sp TMAG_F114361	Yes	No	No	No
Orthoptera	Acrididae	Austroicetes pusilla	No	No	No	No
Orthoptera	Acrididae	Austroicetes vulgaris	No	No	No	No
Orthoptera	Acrididae	Chortoicetes terminifera	No	No	No	No
Orthoptera	Acrididae	Cirphula pyrrhocnemis	No	No	No	No
Orthoptera	Acrididae	Exarna includens	No	No	No	No
Orthoptera	Acrididae	Gastrimargus musicus	No	No	No	No
Orthoptera	Acrididae	Goniaea australasiae	No	No	No	No
Orthoptera	Acrididae	Macrotona australis	No	No	No	No
Orthoptera	Acrididae	Phaulacridium vittatum	No	No	No	No
Orthoptera	Acrididae	Schizobothrus flavovittatus	No	No	No	No
Orthoptera	Acrididae	Tasmaniacris tasmaniensis	No	No	No	No
Orthoptera	Gryllacrididae	Kinemia ambulans	No	No	No	No
Orthoptera	Gryllidae	Lepidogryllus parvulus	No	No	No	No
Orthoptera	Gryllidae	Teleogryllus commodus	No	No	No	No
Orthoptera	Morabidae	Vandiemena viatica	No	No	No	No
Orthoptera	Pyrgomorphidae	Psednura pedestris	No	No	No	No
Orthoptera	Rhaphidophoridae	Parvotettix unplaced	No	No	No	No
Orthoptera	Tetrigidae	Paratettix argillaceus	No	No	No	No
Orthoptera	Tettigoniidae	Conocephalus unplaced	No	No	No	No
Orthoptera	Tettigoniidae	Coptaspis lateralis	No	No	No	No
Orthoptera	Tettigoniidae	Zaprochilus australis	No	No	No	No
Orthoptera	Trigonidiidae	Bobilla unplaced	No	No	No	No
Orthoptera	Trigonidiidae	Trigonidium canberrae	No	No	No	No
Psocodea	Psocidae	Psocidae unplaced	No	No	No	No

<b>Group</b>	<b>Family</b>	<b>Species</b>	<b>Putative new species</b>	<b>Threatened (EPBC Act)</b>	<b>Threatened (State Act)</b>	<b>Exotic / pest</b>
Psocodea	Psocidae	Psocidae unplaced sp TMAG_F114107	Yes	No	No	No
Psocodea	Psocidae	Psocidae unplaced sp TMAG_F114241	Yes	No	No	No
Psocodea	Psocidae	Psocidae unplaced sp TMAG_F115017	Yes	No	No	No
Trichoptera	Trichoptera unplaced	Trichoptera unplaced	No	No	No	No
Zygentoma	Lepismatidae	Heterolepisma buntonorum	No	No	No	No