



Bush Blitz summary: Nanda Country (Kalbarri), Western Australia 2024

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Contributors

The Bush Blitz program 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 Western Australian Museum, the Western Australian Herbarium, the Australian National Insect Collection, Ecosystem and Biological Services, the South Australian Museum and the University of Adelaide.

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BHP

earthwatch AUSTRALIA

Australian Government
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Acknowledgement of Country

The Bush Blitz program would like to acknowledge the Traditional Owners of the land in which we carried out this study, the Nanda people. We recognise their continuing connection to land, waters and culture and pay our respects to their Elders past and present.

We recognise First Nations peoples as the country's first scientists and custodians of biodiversity knowledge passed through generations.

We are committed to working alongside First Nations communities in respect, partnership and continued learning.

Aboriginal and Torres Strait Islander peoples are advised that this document may contain names and images of deceased persons.



Helen Cross © Bush Blitz

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Summary

From 21 to 31 October 2024, the Bush Blitz program visited Nanda Country in the Mid West region of Western Australia. The Nanda Country Bush Blitz aimed to increase scientific knowledge of the area's biodiversity, strengthen partnerships with the Nanda people, and inform and engage the broader community about biodiversity conservation.

The area visited lies at the northern edge of the Geraldton Sandplains bioregion, a biodiversity hotspot known for its rich plant diversity but historically under-surveyed for invertebrates. Surveys and collections focused on protected areas across Kalbarri National Park, Eurardy Reserve and the Nanda Reserves.

Since July 2024, Kalbarri National Park and several other parks and reserves have been jointly managed by the Nanda people and the Department of Biodiversity, Conservation and Attractions. These parks and reserves contain several significant Aboriginal heritage sites and cultural landscapes. Through joint management, Nanda Traditional Owners are involved in decisions about how their Country is managed and more Nanda people are employed to care for their Country.

At least 1,527 species were identified during the Nanda Country Bush Blitz, including 139 species new to science – an amphipod, 42 bees, 63 flies, 2 flowering plants, a lacewing, a scorpion, 2 spiders, 24 true bugs and 3 wasps. Many of the specimens that could not be identified may represent additional species new to science.

Two threatened vertebrate species were recorded – the Black-flanked Rock-wallaby (*Petrogale lateralis lateralis*) and Malleefowl (*Leipoa ocellata*). Introduced species were also recorded, providing valuable information for land managers on these 6 animal and 12 plant species. Additional pest species management recommendations are included in the scientific reports.

Specimens collected during the Bush Blitz have been lodged with state and national museums and herbaria. Non-sensitive data is publicly available and will contribute to long-term research and conservation planning.

Strong partnerships with the Nanda people were central to the Bush Blitz, which facilitated two-way knowledge exchange among Nanda Rangers, Elders, community members and scientists. Nanda participants recognised the importance of the Bush Blitz on Nanda Country, sharing cultural knowledge and supporting fieldwork, as scientists shared taxonomic knowledge of species. This enriched knowledge of local biodiversity to help strengthen joint management of Country.

Community engagement was key to promoting the importance of biodiversity to the local community through the BHP employee participation, a school visit to Kalbarri District High School, and a well-attended community open day.

Introduction

About the Bush Blitz program

The Bush Blitz program helps scientists record species that live in protected areas across Australia.

An estimated 580,000 to 680,000 species are found in Australia (Chapman 2009), but three-quarters of this biodiversity is unknown to Western science. 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.

Bush Blitz locations are selected based on a number of criteria but there is a particular focus on places where biodiversity is poorly known. To identify these places, modelling is used to reveal where species diversity has not been adequately sampled. In addition, national collections review their databases to find locations that are underrepresented in museums and herbaria.

The objectives of the Bush Blitz program are to:

1) increase scientific knowledge of Australia's biodiversity
2) partner with First Nations peoples to enrich our shared knowledge and protect native species
3) inform and engage communities to respect and protect biodiversity.

This report explains how each of these objectives were met during the Nanda Country Bush Blitz.

The Bush Blitz program is the world's largest biodiversity survey program uncovering species new to Western science. The program is an innovative partnership between the Australian Government (through the Natural Heritage Trust and Parks Australia), BHP and Earthwatch Australia. This collaborative scientific program harnesses the expertise of many of Australia's top taxonomists from museums, herbaria, universities, and other research institutions and organisations across the country to document Australian biodiversity.

The Nanda Country Bush Blitz

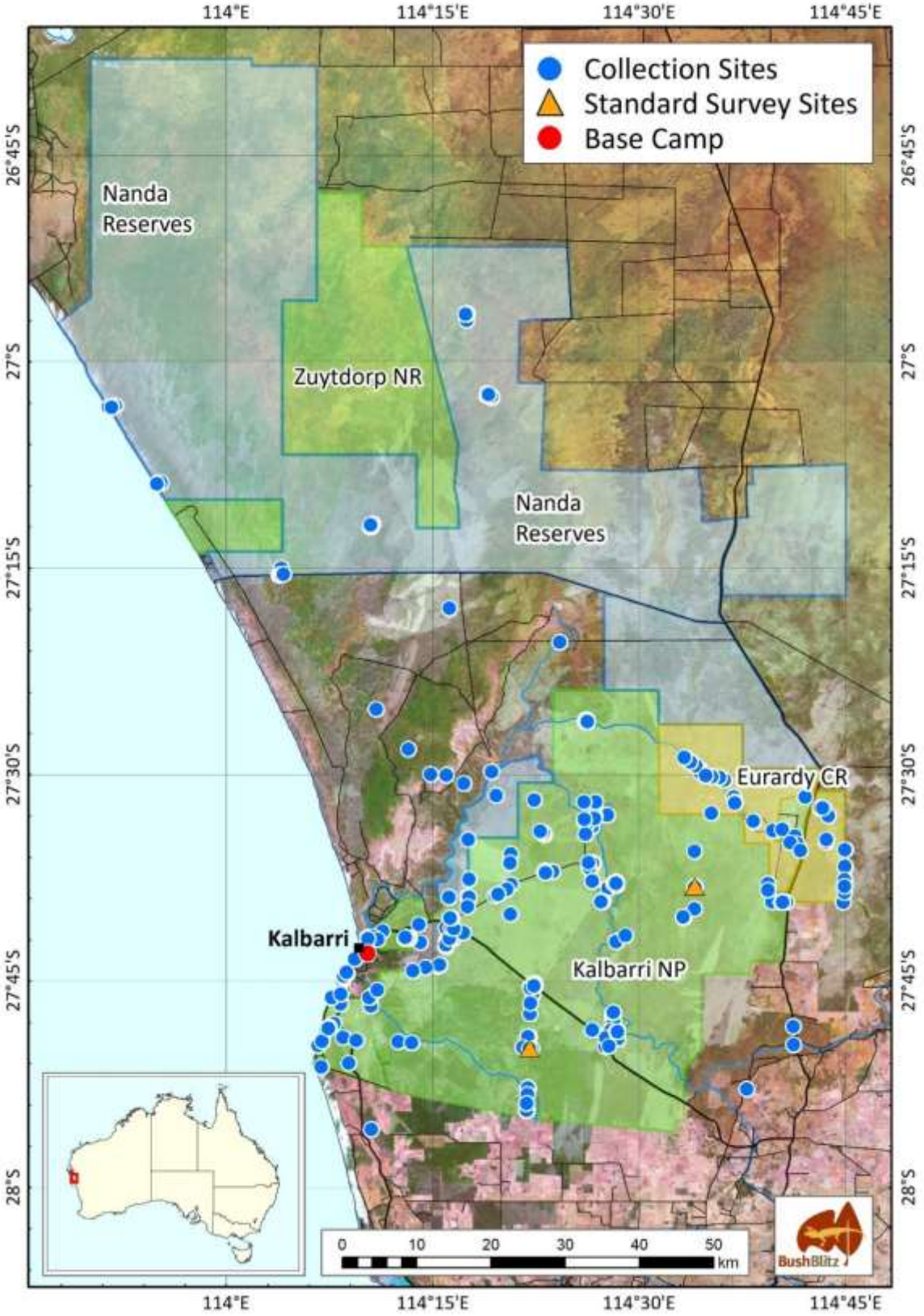
This two-week Bush Blitz was hosted on Nanda Country, in the Mid West region of Western Australia, from 21 to 31 October 2024. Base camp was at the Kalbarri PCYC Camp. Kalbarri is a coastal town located at the mouth of the Murchison River, 592 km north of Perth.

The Nanda people have a rich and diverse culture. Nanda (pronounced Nun-Dah) is the name of the language and people that live along the coastal area north of Geraldton and south of Shark Bay in Western Australia (Kelly 2020).

The study area, which is shown in Map 1, included parts of Kalbarri National Park, Eurardy Reserve and Nanda Reserves to the north of Kalbarri. These protected areas are shown on the map along with Zuytdorp Nature Reserve, which is adjacent to the Nanda Reserves but was not

visited. The map also shows the location of Kalbarri, 2 standard survey sites and the other collection sites. From base camp, the team accessed sites by 4WD vehicle or helicopter.

Map 1 Study area for the Nanda Country Bush Blitz



The study area is at the northern edge of the Geraldton Sandplains bioregion and comprises a variety of habitats, including eucalypt woodlands, coastal heathlands, limestone gorges and plateaus, and river corridors. The region's nutrient-poor sandy soils are well known for their botanical richness and contribute to its status as a biodiversity hotspot. However, the invertebrate fauna has been poorly studied.

Since July 2024, Kalbarri National Park (183,000 ha), Zuytdorp Nature Reserve and several new parks and reserves have been jointly managed by the Nanda people and the Department of Biodiversity, Conservation and Attractions (DBCA). Through joint management, Nanda Traditional Owners make decisions with DBCA about how their Country is managed and have secured additional ranger positions for Nanda people to work on Country. Kalbarri National Park and the other parks and reserves contain several significant Aboriginal heritage sites and cultural landscapes, such as the Murchison River and Zuytdorp cliffs.

Eurardy Reserve is a 30,050 ha reserve managed by Bush Heritage, a not-for-profit conservation organisation that protects ecosystems and wildlife across Australia. When Bush Heritage bought Eurardy Reserve in 2005, the amount of Jam and York Gum woodlands protected in the Geraldton Sandplain bioregion jumped from less than 1% to 22%.

We worked on Nanda Country with Nanda Elders, the Nanda people, the Parks and Wildlife Service (part of DBCA) and Bush Heritage to access and survey the biodiversity of Nanda Country.

The Nanda Country Bush Blitz team

Logistics

The Bush Blitz program (Parks Australia) provided the logistical coordination and overall leadership for the Bush Blitz. Kate Grarock was the team lead, assisted by Helen Cross.

Earthwatch Australia coordinated community outreach and the participation of the BHP employees. Earthwatch Australia staff involved were Elizabeth Irvine, Megan McLeod and Shannon Anstee.

Scientific

The Western Australian Museum (WA Museum) and the DBCA Western Australian Herbarium (WA Herbarium) were the host institutions for this Bush Blitz, providing the core group of personnel and accessioning the specimens into their collections. Experts from the Australian National Insect Collection (ANIC), DBCA, the South Australian Museum (SA Museum), the University of Adelaide and private contractors also conducted field and laboratory work and are included in Table 1.

Field assistants

BHP environmental specialists worked alongside the scientific team to share knowledge and improve linkages between botanical and zoological experts and BHP. Further details are provided in the *Community outreach and engagement* section.

A local teacher, Chelsea Stanich from Kalbarri District High School, also joined the Bush Blitz for a day. She assisted the wasp team with collections, gaining new skills and knowledge to enhance her STEM teaching.

DBCA staff who assisted in the field were: Alanna Chant, Beth Chapple, Brendan Callow, Dave Pongracz, Dion Harris, Emily Eatt, Jane Melvin, Jess Gillespie, Johannes Human, Kurt Wright (Nanda Ranger), Lacey Ware, Mackay Smith, Mike Paxman, Mike Raykos, Patrick Fogarty, Samille Mitchell, Tracy Holland, Tyson Isles and Victor Mourambine (Nanda Ranger).

Additional Nanda people who assisted in the field are mentioned in the *Partnering with the Nanda people* section.



Figure 1: Some members of the Nanda Country Bush Blitz team (Helen Cross © Bush Blitz)



Ben Parslow (right) looking at wasps collected by Erin Buckley (left) and Renelle Thorpe (middle) (Helen Cross © Bush Blitz)

Biodiversity on Nanda Country

BushBlitz

1 Biodiversity on Nanda Country

This section summarises the initial scientific findings of the Nanda Country Bush Blitz and shows how it increased scientific knowledge of Australia's biodiversity.

Information has been extracted from the scientific reports provided by Bush Blitz scientists, which can be referred to for more detailed information.

Background and methods

Taxonomy

Taxonomy is the science of naming, classifying and documenting species, providing the foundation to all we know about biodiversity. Most Bush Blitz scientists are taxonomists who identify plants and animals using example specimens available in museums and herbaria and specialist identification tools known as keys. If they can't key out a specimen or find a matching specimen in collections, the species is likely unknown to Western science. Taxonomists then follow a strict process to describe and name the species in the scientific literature. The Bush Blitz program contracts taxonomists to describe species using material collected on a Bush Blitz.

Specimens

Australia's museums and herbaria aim to keep representative examples (specimens) in their collections of the country's plants, animals and fungi. Once in a collection, specimens and their data are used by scientists, cultural practitioners, industry, government agencies and the public all over the world for further research.

The methods used for collecting specimens vary depending on the target group and, even within a group, a variety of different techniques are used to collect a range of species. Figure 2 shows a malaise trap, which is one of several methods used to collect flying insects.



Figure 2: A malaise trap being used to collect flies (Keith Bayless © ANIC)

Scientists need a permit, authorisation and permission to collect animals, plants and fungi. They only take what is needed and must follow strict rules to ensure that any animals they collect are treated humanely.

Bush Blitz scientists collect specimens to help fill gaps in the taxonomic knowledge of Australia's biodiversity. Specimens may also be needed to confirm identification, by comparing them with specimens already held in collections along with published scientific literature. During a Bush Blitz, scientists begin the process of preserving and labelling specimens. Plant specimens ideally include part of the plant with leaves, flowers and fruit. The plant material is pressed and dried between newspaper and cardboard, as shown in Figure 3. Tissues are also taken for future molecular analysis.



Figure 3: Plant specimens being labelled and pressed in the field (Tracy Holland © DBCA)

Animals can be selectively sampled whole or, for larger animals, a tissue sample may be taken, such as the tip of a lizard's tail. Invertebrates without an exoskeleton, marine animals and tissue samples are often preserved in a container with ethanol, while insects are usually dried and pinned, as shown in Figure 4.



Figure 4: Pinned moths (left, Helen Cross © Bush Blitz) and specimens in ethanol (right)

Following the Nanda Country Bush Blitz, animal specimens were deposited and cared for by the WA Museum, with some duplicate wasp specimens deposited in the SA Museum. Plant specimens were deposited at the WA Herbarium, with duplicate plant specimens distributed to other herbaria where appropriate.

Collection sites

All scientific teams are asked to survey 2 or more standard survey sites, selected to represent different habitat types. The use of standard survey sites provides a unique opportunity to examine broad-spectrum biodiversity across animals, plants and fungi. Among other benefits, it allows land managers to use these sites for ongoing monitoring and training of future staff. Each standard survey site is centred on a point but the actual area surveyed varies between taxonomic groups.

Following consultation with Nanda people and rangers, 2 standard survey sites were established within Kalbarri National Park. Apart from these standard survey sites, site selection was left to the discretion of the individual scientists, with guidance from Nanda people and rangers. When selecting sites, teams prioritised areas that were under-surveyed and had high potential for significant findings. Individual teams also considered the suitability of sites based on soil type, geographic spread, fire history and the presence of fresh water or plants flowering at the time.

Locational data

The locations of collection sites are recorded using global positioning systems. After a Bush Blitz, the precise location where each species was recorded is provided to land managers. In addition, specimen data is added to the database of the museum or herbarium where specimens are lodged. This data is eventually drawn into the Atlas of Living Australia (ALA) – a dataset that pulls together Australian biodiversity data from multiple sources. Scientists are also encouraged to add their observational data to ALA via iNaturalist. Unless considered sensitive, the locational data of records is available to the public. As part of this national dataset, Bush Blitz data helps

improve our understanding of Australia's biodiversity and can be used to underpin conservation and land management decisions.

Species of particular interest

All records made on a Bush Blitz are valuable. However, recording the following types of species is particularly useful for improving biodiversity knowledge and conservation land management.

Species new to science

The Bush Blitz program uses the term *new to science* for species that were not recognised by Western science before this Bush Blitz. This means that no specimens were found in museum or herbarium collections, or existing specimens were only recognised as a separate species as a result of the Bush Blitz. We acknowledge that First Nations peoples may have been aware of the species prior to Western recognition and description.

Earlier Bush Blitz reports refer to *putative new* species. This term is no longer used in our reports because it can be confusing and is often used more broadly for any undescribed species.

Since 2010, the Bush Blitz program has identified more than 2,000 species new to science collected across Australia.

Threatened species

Many Australian species are endemic – found nowhere else in the world. Approximately 92% of Australian plants, 87% of mammals and 93% of reptiles are endemic (Chapman 2009). The percentage of invertebrates that are endemic is likely to be similar. 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 become extinct. Many other species are considered to be threatened – that is, at risk of extinction.

Native species that are determined to be at risk of extinction are protected under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Depending on the assessed level of risk, threatened species can be listed as critically endangered, endangered or vulnerable. In addition to the EPBC Act threatened species lists, each state and territory maintains its own list of threatened species.

In this report, a species is considered threatened if it is listed under the EPBC Act or the Western Australia *Biodiversity Conservation Act 2016* (BCA). In Western Australia, species that may be threatened, but do not meet the criteria for listing because they are poorly-known, are added to priority lists under priorities 1 to 4. The 4 categories are ranked in order of priority for survey and evaluation of conservation status, so that consideration can be given to their declaration as threatened. The listings mentioned in this report were taken from the April 2025 versions of the Threatened and Priority Flora and Fauna Lists.

It is important to note that threatened species lists do not include all species that are at risk of extinction. Although the majority of animal species are invertebrates, far more vertebrates are listed as threatened – mainly because they are more 'charismatic' and better known. For example, 101 species of invertebrates are currently listed as threatened under the EPBC Act, compared to 164 bird species (EPBC Act List of Threatened Fauna, accessed 13 June 2025). Even among the listed invertebrates, there is a bias towards groups such as butterflies, dragonflies, molluscs and crustaceans. The Bush Blitz program targets the understudied and unrepresented

groups, with a focus on species that have not yet been identified by science, let alone had their conservation status assessed. Knowing that a species exists is the first step towards conserving it, since naming and describing species is the first step to assessing and protecting threatened species.

Introduced species

The Bush Blitz program uses the term *introduced species* to describe a plant, animal, or other organism that, due to human activity, has established self-sustaining populations beyond its natural geographic range.

Introduced species have a major impact on Australia's environment, threatening our unique biodiversity and reducing overall species abundance and diversity. Protected areas help conserve Australia's rare and threatened ecosystems and provide refuge for species at risk. The inclusion of introduced species records as part of this report is designed to provide land managers with information to assist with the management of any introduced species that are known to cause harm.

New records

Understanding species distribution is essential for biodiversity conservation, ecological research and environmental management. For taxonomic groups that have not been surveyed in the study area before, information gathered on which species are present provides important baseline data. In these cases, most records will be new for the study area and the known range of many species will have been extended.

Taxonomic groups studied and personnel

A number of taxonomic groups were selected as main targets for this Bush Blitz. Table 1 lists the groups surveyed, along with the personnel responsible for fieldwork, species identifications and reporting of findings.

Table 1 Taxonomic groups surveyed and personnel

Group	Personnel and affiliation
Mammals, reptiles and frogs	Paul Doughty (WA Museum) Kailah Thorn (WA Museum)
Native bees	Remko Leijs (Ecosystem and Biological Services) Katja Hogendoorn (Pollinators)
Stygofauna (groundwater fauna)	Remko Leijs (Ecosystem and Biological Services)
Wasps	Erinn Fagan-Jeffries (University of Adelaide) Ben Parslow (SA Museum)
Flies	Keith Bayless (ANIC)
True bugs	Nikolai Tatarnic (WA Museum)
Arachnids and myriapods	Mark Harvey (WA Museum) Jeremy Wilson (WA Museum)
Vascular plants	Shelley James (WA Herbarium) Kylie Sadgrove (WA Herbarium) Ben Anderson (WA Herbarium) Renee Gugiatti (WA Herbarium)

Other experts, including but not limited to Gerry Cassis (University of New South Wales), assisted with identifications and reporting. These personnel and their roles are mentioned in the individual scientific reports.

Additional taxa were collected opportunistically and there was a collaborative approach to collecting. For example, spiders found in reptile and insect traps were given to the arachnid team.

Species lists

Lists of all species recorded during the Nanda Country Bush Blitz (Appendix A: Species lists) were compiled using data from participating institutions. These are not intended to be complete lists of the biodiversity of the study area.

Some specimens could only be identified to family or genus level, due to the time-intensive nature of species identification for some taxonomic groups, which often requires detailed microscopic examination. In addition, some taxonomic groups lack active specialists and up-to-date literature, making species-level identification impossible.

Unidentified Bush Blitz specimens are held in institutional collections for future identification and study. Collections hold many such specimens, including undescribed (unnamed) species, as well as known (already named and described) species that have not yet been identified to species level. Funding taxonomic research on Bush Blitz specimens is a key component of the program.

Nomenclature and taxonomic concepts used in this report are consistent with the Australian National Species List.

Key findings

Summary of records

Preliminary results indicate that at least 1,527 species were recorded during the Nanda Country Bush Blitz, including approximately 139 species new to science (listed in Appendix B: Species new to science). Further research may reveal additional species new to science in the material collected. Two threatened vertebrate species (listed in Appendix C: Threatened species) and 18 introduced plants and animals (listed in Appendix D: Introduced species) were also recorded.

Table 2 provides a summary of the plant and animal records made on the Bush Blitz.

Table 2 Summary of plant and animal records

Group	Common name	Total species recorded	Species new to science	Threatened species	Introduced species
Mammalia	Mammals	5	0	1	2
Aves	Birds	6	0	1	0
Reptilia	Reptiles	36	0	0	0
Amphibia	Frogs	7	0	0	0
Hymenoptera	Bees	188	42	0	1
	Wasps	509	3	0	0

Group	Common name	Total species recorded	Species new to science	Threatened species	Introduced species
Diptera	Flies	283	63	0	3
Heteroptera	True bugs	107	24	0	0
Auchenorrhyncha	Planthoppers	2	0	0	0
Neuroptera	Lacewings	1	1	0	0
Embioptera	Webspinners	1	0	0	0
Arachnida	Pseudoscorpions	3	0	0	0
	Scorpions	4	1	0	0
	Spiders	44	2	0	0
	Ticks	1	0	0	0
Myriapoda	Centipedes and millipedes	3	0	0	0
Crustacea	Crustaceans	1	1	0	0
Plantae	Vascular plants	326	2	0	12
Total		**1527**	**139**	**2**	**18**

Note: Threatened species include those listed as threatened under the Commonwealth EPBC Act or an equivalent listing under the *Biodiversity Conservation Act 2016* (WA). Introduced species may include species that are native to Australia.

Vertebrates

A review of previous surveys and collections identified which frog and reptile species to target. One target was the Taper-tailed West Coast Slider (*Lerista humphriesi*) – a Priority 3 listed skink that was described before genetic sequencing was available. New specimens of this skink, with fresh tissue for genetic sequencing, would help with taxonomy and conservation. Another target was the Blunt-snouted Blindsnake (*Anilios obtusifrons*), known only from 3 type specimens collected from just south of Kalbarri. These poorly sampled taxa, along with range extensions for well-documented species, were targets for the trip.

Two threatened vertebrate species were recorded. Black-flanked Rock-wallaby (*Petrogale lateralis lateralis*) is listed as Endangered and Malleefowl (*Leipoa ocellata*) is listed as Vulnerable under both the EPBC Act and the BCA. The records are within known population ranges and both species are part of ongoing conservation and monitoring projects in Kalbarri National Park and Eurardy Reserve.

The 2 introduced mammals recorded – Goat (*Capra hircus*) and House Mouse (*Mus musculus*) – are known from the Kalbarri area and are managed in Kalbarri National Park. Neither record demonstrates range extensions or population booms of any concern.

Although the 2 target species were not identified, a significant number of frog and reptile species were recorded, with tissue samples taken for many to confirm the identify and genetic diversity of the species. Range extensions of 3 south-western frog species were observed at Murchison River Gorge. Numerous *Lerista* skinks were found in leaf litter and soil, to be genotyped (DNA sequenced) for a current PhD student project. An overnight stay at Noonaegarooda Soak resulted in new records for the area, including several gecko and snake species.

A number of observations of Perentie (*Varanus giganteus*) were made, including the one photographed in Figure 5. All existing records of Perentie on the Swan Coastal Plain are from citizen science platforms such as iNaturalist.



Figure 5: Perentie (*Varanus giganteus*) (Helen Cross © Bush Blitz)

Also noteworthy were records of False Western Froglet (*Crinia pseudinsignifera*), a species previously collected in 1970 and more recently recorded on the FrogID citizen science project. This represents the northernmost known occurrence of this species. The team vouchered 2 specimens, supported by call recordings, photographs and tissue samples for genetic verification.

Bees

Native bee biodiversity in the study area was far higher than museum records suggested. Although 77 species were previously known to occur in the area and 188 taxa were collected during the Bush Blitz, only 15 species overlapped. The high number of additional species encountered reflects the later season of this sampling, when different plants were flowering, and the first use of a vehicle net in the area (Figure 6), which captured 80 species (43%) not collected by any other method.



Figure 6: Vehicle net used to capture bees and other flying insects (Kylie Sadgrove © WA Herbarium)

At least 42 of the collected bee taxa are considered new to science. These include 35 plasterer bees (Colletidae), 2 sweat bees (Halictidae), 4 leafcutter bees (*Megachile* sp.) and a comb-bearer bee (*Ctenocollectes* sp.). This number is likely to increase with further identification of the collected specimens.

A small number of European Honeybees (*Apis mellifera*) were also recorded. European Honeybees are introduced to Australia and may act as a pest species in certain circumstances. For example, feral honeybee colonies can displace hollow-nesting birds and compete with native bees, insects, birds, and small mammals for nectar and pollen, particularly when resources are limited.

Wasps

The Nanda Country Bush Blitz greatly expanded publicly available wasp biodiversity data for the study area. Before the Bush Blitz, ALA records included only 11 species and 15 families for the study area. The team collected 508 wasp taxa from 37 different families, with 44 identified to species level, including *Pseudofoenus grossitarsus* (Figure 7). All but 3 of the identified species represent new records for the area. These collections will add at least 3,000 specimens to public collections, although some material remains to be sorted to order or family level. In addition, a sawfly, which is not a true wasp but closely related (Hymenoptera), was photographed during the Bush Blitz.



Figure 7: Wasp *Pseudofoenus grossitarsus* (Ben Parslow © SA Museum)

As most of Australia's wasp diversity is undescribed, hundreds of the wasps collected could not be identified to species and many are likely to be new to science. While confirmation will require further taxonomic work, 3 species are considered new to science based on collector expertise – an aulacid wasp (*Pristaulacus* sp.), a carrot wasp (*Gasteruption* sp.) and a chalcidoid wasp (*Tanaostigmodes* sp.). The genus *Tanaostigmodes* is extremely rare in collections, with only one vaguely described species recorded from Western Australia.

Due to limited prior records for the study area, nearly all identified species represent range extensions or distribution infill. Many higher-level identifications also extend known ranges in ALA data.

The Nanda Country Bush Blitz was one of the most successful surveys for wasps, likely due to a two-person collecting team, collaboration with other teams, favourable weather and abundant flowering plants.

Flies

Flies are one of the most diverse groups of insects and provide many ecosystem services, such as pollination, yet little was previously known about the flies from the study area. Prior to this Bush Blitz, the ALA contained only 28 species-level fly records for the Kalbarri area. During the Nanda Country Bush Blitz, nearly 500 specimens were collected, representing around 283 species and 52 families. Collection success likely reflects the use of a variety of sampling methods and the timing of the Bush Blitz, during peak flowering.

Of the flies collected on Nanda Country, 63 species from 20 families are considered new to science. The conopid fly *Stenoconops* sp10099, shown in Figure 8, is a significant discovery as the genus *Stenoconops* was previously known only from the type material.



Figure 8: A fly *Stenoconops* sp10099 considered new to science (Keith Bayless © ANIC)

One of the species new to science was only recognised after the fly report had been submitted. The collection of the tiny *Nannodastia* specimens in a malaise trap in Kalbarri National Park is particularly significant because it represents the first records of the family Nannodastiidae from mainland Australia.

Some species new to science were represented by a single specimen and will require further collecting for formal description. Given the high diversity of flies, many specimens remain unidentified and additional species new to science are expected. DNA sequencing is underway for several taxa and results will be incorporated into current systematic research projects.

Fly surveys focused on acalyptrate flies, which are poorly known in Western Australia, and resulted in 22 species with significant range extensions. In addition, some of the undescribed species may represent significant range extensions for the family or genus to which they belong.

Other interesting findings included the high species diversity of some families, including frit or grass flies (Chloropidae), shore or brine flies (Ephydridae) and tephritid fruit flies (Tephritidae). Despite Western Australia being recognised as a hotspot of plant diversity, the diversity of some plant-feeding flies is comparatively low. The fact that 9 species of tephritid fruit flies were collected during this Bush Blitz, including 3 species new to science, suggests the low diversity of Tephritidae known from Western Australia is due to under sampling.

True bugs and other insects

The hemipteran suborder Heteroptera (true bugs) is represented in Australia by more than 2,500 species, with over 400 described in the past 20 years. Many true bugs are phytophagous,

feeding on a broad range of host plants, leading to high expectations for surveying this region, given its high plant diversity and favourable vegetation conditions.

More than 500 specimens were collected, representing 107 true bug species from 13 families. The plant bugs (Miridae), with 67 species, were by far the most diverse group collected.

At least 24 of the species collected were new to science, including 23 plant bugs and a leaf-footed bug (Coreidae), which may represent a new genus and species. These findings highlight how incomplete our knowledge of Australia's true bug fauna remains, particularly within hyperdiverse families such as the Miridae. Further investigation is likely to reveal additional species new to science. For example, a lace bug currently identified as *Diplocysta trilobata* has atypical lobe morphology for that species so may be another species new to science (Figure 9).



Figure 9: A lace bug identified as *Diplocysta trilobata* that appears different from other known species (Nik Tatarnic © WA Museum)

The true bug team also collected a small number of other insects, including a single specimen of an undescribed spoon-winged lacewing (Nemopteridae) in the genus *Chasmoptera*, shown in Figure 10. This genus is endemic to Central West Western Australia, and is currently represented by only 3 described species, one of which is presumed extinct. Recent genetic studies show that *Chasmoptera* comprises multiple short range cryptic species. The occurrence of this specimen outside the known distribution of the genus therefore strongly suggests it represents a species new to science.



Figure 10: A spoon-wing lacewing in the genus *Chasmoptera* potentially new to science (Nik Tatarnic © WA Museum)

The team also collected 2 undescribed species of planthopper (Tropiduchidae) in the genus *Alleloplasis*, which is currently represented by only 2 described species. Ongoing research has uncovered greater diversity in this genus, including several species previously collected on a Bush Blitz. Further study is needed to determine whether the 2 species collected on Nanda Country are included in the current revision or represent additional species new to science.

Spiders, scorpions and myriapods

The study area is known for its rich diversity of burrowing and cryptic arachnids (including spiders and scorpions) and myriapods (centipedes and millipedes). Burrowing species construct burrows or retreats, whereas cryptic species shelter within leaf litter or under rocks or bark. These groups were targeted for their high level of undescribed diversity and their conservation significance, as many have naturally restricted distributions.

Three species were collected for the first time – a trapdoor spider belonging to the genus *Kwonkan*, a wolf spider belonging to a genus in the family Lycosidae considered new to science (Figure 11) and a desert scorpion that appears to be closely related to *Urodacus megamastigus*.



Figure 11: A wolf spider species and genus new to science, Lycosidae gen. nov. sp. nov. KBB1 (Jeremy Wilson © WA Museum)

Many of the taxa collected are undescribed and some, particularly members of the idiopid genera *Bungulla* and *Idiosoma*, may have restricted distributions tied to specific habitat features such as soil type, vegetation structure or microclimate. This makes them potentially significant from a conservation perspective, particularly in areas subject to environmental change or land-use pressure. The Geraldton Sandplain Shield-backed Trapdoor Spider (*Idiosoma arenaceum*), shown in Figure 12, a WA Priority 3 species, was recorded at 2 sites. At both sites, several specimens were identified of varying sizes, suggesting there are healthy, stable populations.



Figure 12: The Geraldton Sandplain Shield-backed Trapdoor Spider (*Idiosoma arenaceum*) (below) and its burrow, unexcavated (left) and excavated showing the spider's abdomen sealing the entrance (right) (Jeremy Wilson © WA Museum)

Other notable collections included female specimens of 2 *Bungulla* species (Idiopidae). Although the genus has been recently revised, most species were described from male specimens, leaving gaps in the knowledge of female morphology, burrow architecture, and microhabitat preferences. The collection of these females, along with documentation of their burrow structures, provides valuable natural history data for this group.

Crustaceans

Stygofauna are invertebrates that live in underground water. They include a wide variety of taxa, many of which are small crustaceans. Although no stygofauna species were found during the Bush Blitz, the stygofauna report includes a surface-living amphipod that was collected. This amphipod is related to stygofauna species occurring in the Murchison drainage basin further inland and is probably both a genus and species new to science.

Vascular plants

While Kalbarri National Park and Eurardy Reserve have been reasonably well surveyed for flora, the more northern Nanda Reserves remain poorly collected. The region experienced a significantly wetter than average winter and an unexpected high rainfall event the week before

the Bush Blitz extended the flowering period, increasing the likelihood of finding species not usually recorded in the area.

The 533 botanical voucher collections made during this Bush Blitz have significantly added to botanical collections from the region. Collections and observations were made of 326 unique vascular plant taxa across 61 families.

Two plant species new to science were identified and require further study. Figure 13 shows the star flower (*Calytrix* sp.) and fringe lily (*Thysanotus* sp.) that are considered new to science.



Figure 13: Species of star flower (left, Shelley James © WA Herbarium) and fringe lily (right, Renee Gugiatti © WA Herbarium) considered new to science

Although no threatened plants were observed, 29 conservation-listed taxa were recorded. Of these, 24 are in Priorities 1, 2 or 3 of the Priority Flora List because they are poorly known but may be threatened, have restricted distributions or require further taxonomic research. An additional 5 species are listed as Priority 4 because they are near threatened and require regular monitoring.

Twelve weed species were recorded and the WA Herbarium provided management recommendations in their report. In general, sites surveyed had minimal weeds, except along roadsides and areas heavily impacted by past agricultural, feral animal or human activities.

Most plant specimens, while not new records for the areas surveyed, filled a geographical gap in collections for the region, including 23 voucher collection gap fills of greater than 20 km.

Additionally, 15 species represented range extensions and 37 were new records for Kalbarri National Park or the Nanda Reserves, including conservation-listed taxa and weeds.

The diversity of featherflowers (*Verticordia* spp.) in the study area was notable. Of the 14 taxa (11 species) recorded, 4 are conservation listed. *Verticordia oculata* is shown in Figure 14.



Figure 14: Featherflower *Verticordia oculata* (Tyson Isles © DBCA)



Nanda Ranger Kurt Wright and a Thorny Devil (Helen Cross © Bush Blitz)

Partnering with the Nanda people

BushBlitz

2 Partnering with the Nanda people

The Nanda Country Bush Blitz enabled meaningful exchange between Western science and cultural knowledge by bringing together the Nanda Traditional Owners, the Joint Management Board, DBCA staff and the Bush Blitz team. Strong relationships were developed throughout planning and delivery, with the Joint Management Board providing guidance on procedures, locations and participation. In addition to Nanda Rangers, Nanda representatives involved in the Bush Blitz included Lynette Belotti, Jenny Clayton, Rex-Lee Dingo, Coleen Drage, Greg Mallard, Brodeine Nutter, Helshari Nutter, Sheldon Whitby, William Whitby, Janette Wilton and Delvene Whitby.

The Bush Blitz was well-timed to coincide with the recent signing of the Nanda Indigenous Land Use Agreement. Nanda Traditional Owners had recently celebrated the joint management of Kalbarri National Park and Zuytdorp Nature Reserve, alongside the creation of new parks and reserves across Nanda Country in Western Australia's Mid West. Collaboration between the newly formed Joint Management Board and DBCA ensured that decisions about caring for Country were guided by both cultural knowledge and Western science. This partnership supported approvals for the Bush Blitz and helped shape its procedures and locations.



Figure 15: Nanda Elder Jenny Clayton flying over the newly gazetted Nanda Reserves (left) and collecting bees using a sweep net (right) (Dave Pongracz © DBCA)

The Nanda Country Bush Blitz generated important findings that will help fill knowledge gaps and contribute to the enriched understanding of local biodiversity of Nanda Country. The Bush Blitz successfully uncovered species new to science and identified several range extensions, particularly among terrestrial invertebrates. These data will play a key role in supporting future conservation planning, environmental assessments, and informed decision-making.

Feedback from participants highlighted the strong value of working together on Country to conduct scientific research and strengthen joint management approaches. Nanda Traditional Owners enjoyed learning alongside scientific experts, gaining insights into local species from a

Western science perspective. In return, scientists, DBCA personnel and other team members valued the cultural knowledge shared by Traditional Owners, who provided stories, ecological insights, and connections to landscape that enriched the Bush Blitz and enhanced their understanding of the local flora and fauna.



Figure 16: Mackay Smith with Nanda Elders Lynette Belotti and Janette Wilton (left, Dave Pongracz © DBCA); Rex-Lee Dingo, Katja Hogendoorn, Remko Leijs and Tracy Holland surveying for native bees (right, Tracy Holland © DBCA)

The Nanda Country Bush Blitz demonstrated the strength of combining traditional cultural knowledge with Western science, benefiting both the Bush Blitz outcomes and the relationships built on Country. Although invertebrates were previously underrepresented in collections from this region of Australia, Sheldon Whitby (Nanda representative), Kurt Wright and Victor Mourambine (Nanda Rangers), and Celine Verheyden (BHP) assisted Keith Bayless (ANIC) to hand collect and set up malaise traps near Murchison River and Red Bluff. Together they successfully collected a wasp species new to science and the first records from mainland Australia of the shore fly *Thitena cadaverina* and acalyptrate family Nannodastiidae.

Positive feedback also highlighted the value of this partnership, with several Nanda participants identifying the experience as one of the most rewarding they had ever taken part in. The Nanda Traditional Owners shared their experience of the Bush Blitz in the Nanda joint management community update November 2024, saying “the program was a big success and provided a great opportunity for knowledge sharing between scientists, volunteers and Traditional Owners”. After the two-week Bush Blitz, everyone expressed interest in future collaborations and potential for a “Nanda Bush Blitz – Part 2”.



Figure 17: Sheldon found the perfect spot for a malaise trap (Keith Bayless © ANIC)



Figure 18: Celine and Kurt collecting beach flies (Keith Bayless © CSIRO)



Botanists from the WA Herbarium at the Kalbarri Community Day (Michael Lawrence © BHP)

Community outreach and engagement

BushBlitz

3 Community outreach and engagement

Community engagement is an important part of a Bush Blitz. The program actively involves local schools and the public to raise awareness of local biodiversity and taxonomy as a foundational science, as well as inspiring people to get involved in protecting biodiversity. The Nanda Country Bush Blitz included a community day, local school visit and other outreach events to share the exciting scientific findings of the Bush Blitz with the wider community.

Citizen science: BHP employee participation

Earthwatch Australia delivers the education and outreach components of the Bush Blitz program, including the recruitment and fielding of citizen scientists. BHP employees who joined the Nanda Country Bush Blitz included Celine Verheyden, Emily Dennis, Erin Buckley, Grace Thompson, Jonathon Deluao, Kayla Baillee, Michael Lawrence and Renelle Thorpe.



Figure 19: BHP Fellows and Earthwatch staff at Kalbarri Skywalk (© Earthwatch)

BHP employees primarily supported taxonomists in the field, acting as research assistants to trap and collect specimens. Through this work, they gained practical scientific skills, including collecting and pressing plants, setting up pitfall traps, sweeping for invertebrates and species identification. In the evenings, they learned to use microscopes and other lab equipment while assisting with the labelling and processing of specimens collected each day.

On the final day, BHP employees participated in a reflective session with Earthwatch staff. Through journalling activities and active discussions, they considered how their daily lifestyles might be impacting biodiversity and explored ways to reduce this impact. They also reflected on

the personal values that underpin their commitment to conservation and developed ideas to promote sustainability at home and in the workplace.

Celine said "It was powerful to hear stories from the Nanda people, to participate in a community day and to learn daily from the scientists in the field and in the lab. My key take-away personally is a confirmed interest in biodiversity and strong willingness to work in this field at BHP to make a difference."

School visit

Entomologist Dr Erinn Fagan-Jeffries (University of Adelaide) visited 60 students in Grades 3 and 4 at Kalbarri District High School. Following a presentation by Erinn, students were invited to look at various specimens under the microscope. They also spent time outside where they were shown how to use sweep nets and pooters to collect insects in the school grounds.

Erinn said "It was a privilege to get to visit the students at Kalbarri School and share some of the insects and arachnids we had been documenting in their local national park. When we went outside to use sweep nets to survey the insects in the school garden, one of the students immediately caught a type of parasitoid wasp that is my group of expertise, which was really exciting as we had not caught very many of this group during the expedition!"

Community day

A community event was held at the Kalbarri Sports and Recreation Hall on Saturday 26 October, providing scientists with the opportunity to showcase their findings from the Bush Blitz. Specimens on display included wasps, bees, spiders, a scorpion, plants and a snake. Attendees used magnifiers and microscopes to view the smaller specimens and were able to try using some of the collecting equipment on display.



Figure 20: Scientist Jeremy Wilson showcasing spiders at the Kalbarri Community Day (Michael Lawrence © BHP)

The event attracted around 200 members of the local community, interested in learning more about their local biodiversity. Children and family members were thrilled to get up close to some of the animals and plants living in their local area, as well as getting the opportunity to ask the scientists questions about their passion and career pathways.

Community presentations

On 3 July, 2025, Kate Grarock and Bryan Lessard presented a summary of the Nanda Country Bush Blitz to the Friends of the Australian National Botanic Gardens. The talk included scientific highlights from the trip and shared experiences of the Nanda people, rangers, Bush Heritage staff, teachers and scientists as they surveyed the biodiversity living on Nanda Country.



Figure 21: Kate Grarock presenting a summary of the Nanda Country Bush Blitz to the Friends of the Australian National Botanic Gardens (Bryan Lessard © Bush Blitz)

Media engagement

The Parks and Wildlife Service filmed Bush Blitz scientists and Kalbarri National Park rangers in action as they surveyed species during the Bush Blitz. In a video they posted, ranger Victor Mourambine said “We’re going into joint management now to share the land, create new lands, and to know what’s on them lands is pretty exciting for us. It gives us more information and more details on how to manage and protect the land itself”.

Watch the full video on the Parks and Wildlife Service’s Facebook or Instagram accounts.



Plant specimens at Kalbarri PCYC Camp (base camp), ready to transport to the WA Herbarium (Helen Cross © Bush Blitz)

Appendices

Appendix A: Species lists

List of fauna species recorded on the Nanda Country Bush Blitz

Group	Family	Species	Common name
Mammals	Bovidae	*Capra hircus*	Domestic (feral) Goat
	Macropodidae	*Petrogale lateralis lateralis*	Black-flanked Rock-wallaby
	Muridae	*Mus musculus*	House Mouse
	Tachyglossidae	*Tachyglossus aculeatus*	Echidna
	Vespertilionidae	*Nyctophilus geoffroyi*	Lesser Long-eared Bat
Birds	Accipitridae	*Hamirostra melanosternon*	Black-breasted Buzzard
	Anatidae	*Cygnus atratus*	Black Swan
	Estrildidae	*Taeniopygia guttata castanotis*	Australian Zebra Finch
	Megapodidae	*Leipoa ocellata*	Malleefowl
	Otididae	*Ardeotis australis*	Australian Bustard
	Turnicidae	*Turnix velox*	Little Button Quail
Reptiles	Agamidae	*Ctenophorus maculatus*	Central Netted Dragon
	Agamidae	*Ctenophorus nuchalis*	Western Netted Dragon
	Agamidae	*Ctenophorus reticulatus*	Spotted Military Dragon
	Agamidae	*Gowidon longirostris*	Long-nosed Dragon
	Agamidae	*Moloch horridus*	Thorny Devil
	Agamidae	*Pogona minor*	Western Bearded Dragon
	Carphodactylidae	*Nephrurus levis occidentalis*	Western Knob-tailed Gecko
	Carphodactylidae	*Underwoodisaurus milii*	Barking Gecko
	Diplodactylidae	*Diplodactylus ornatus*	Ornate Stone Gecko
	Diplodactylidae	*Diplodactylus pulcher*	Fine-Faced Gecko
	Diplodactylidae	*Rhynchoedura ornata*	Western Beaked Gecko
	Diplodactylidae	*Strophurus spinigerus*	South-Western Spiny-tailed Gecko
	Elapidae	*Brachyurophis fasciolatus*	Narrow-banded Shovel-nosed Snake
	Elapidae	*Brachyurophis semifasciata*	Southern Shovel-nosed Snake
	Elapidae	*Pseudonaja mengdeni*	Western Brown Snake, Gwardar
	Elapidae	*Simoselaps bertholdi*	Desert Banded Snake
	Elapidae	*Simoselaps littoralis*	West-coast Banded Snake
	Elapidae	*Suta monachus*	Monk Snake
	Gekkonidae	*Gehyra variegata*	Variegated Dtella
	Pygopodidae	*Lialis burtonis*	Burtons Legless Lizard
	Pygopodidae	*Pygopus lepidopodus*	Common Scaley-foot
	Pygopodidae	*Pygopus nigriceps*	Western Hooded Scaley-foot
	Scincidae	*Ctenotus schomburgkii*	Barred Wedgesnout Ctenotus

Group	Family	Species	Common name
	Scincidae	*Lerista connivens*	Blinking Broad-blazed Slider
	Scincidae	*Lerista elegans*	Elegant Slider
	Scincidae	*Lerista lineata*	Perth Slider
	Scincidae	*Lerista macropisthopus*	Unpatterned Robust Slider
	Scincidae	*Lerista miopus*	Northern Dotted-Line Robust Slider
	Scincidae	*Lerista praepedita*	Western Worm Lerista
	Scincidae	*Morethia obscura*	Mallee Snake-eye Skink
	Scincidae	*Tiliqua occipitalis*	Western Blue-tongue
	Scincidae	*Tiliqua rugosa rugosa*	Bobtail
	Varanidae	*Varanus caudolineatus*	Stripe-tailed Goanna
	Varanidae	*Varanus eremius*	Rusty Desert Monitor
	Varanidae	*Varanus giganteus*	Perentie
	Varanidae	*Varanus gouldii*	Sand Goanna
Frogs	Limnodynastidae	*Heleioporus albopunctatus*	Western Spotted Frog
	Limnodynastidae	*Heleioporus psammophilus*	Sand Frog
	Limnodynastidae	*Neobatrachus* sp.	Burrowing frog
	Myobatrachidae	*Arenophryne xiphorhyncha*	Southern Sandhill Frog
	Myobatrachidae	*Crinia pseudinsignifera*	False Western Froglet
	Myobatrachidae	*Pseudophryne guentheri*	Gunther's Toadlet
	Pelodryadidae	*Ranoidea moorei*	Motorbike Frog
Bees	Apidae	*Amegilla (Notomegilla) chlorocyanea*	Blue Banded Bee
	Apidae	*Apis mellifera*	European Honey Bee
	Apidae	*Thyreus waroonensis*	na
	Colletidae	*Brachyhesma* or wasp sp. KB132	na
	Colletidae	*Brachyhesma* sp. KB134	na
	Colletidae	*Brachyhesma* sp. KB135	na
	Colletidae	*Callohesma flavopicta*	na
	Colletidae	*Callohesma skermani?*	na
	Colletidae	*Callohesma* sp. KB115	na
	Colletidae	*Callohesma* sp. KB116	na
	Colletidae	*Callohesma* sp. nov. KB115	na
	Colletidae	*Callohesma* sp. nov. KB119	na
	Colletidae	*Callohesma* sp. nov. KB121	na
	Colletidae	*Callohesma* sp. nov. KB122	na
	Colletidae	*Callohesma* sp. nov. KB123	na
	Colletidae	*Callohesma* sp. nov. KB125	na
	Colletidae	*Callohesma* sp. nov. KB126	na
	Colletidae	*Callohesma* sp. nov.? KB118	na
	Colletidae	*Colletidae* sp. KB136	na

Group	Family	Species	Common name
	Colletidae	*Dasyhesma albula*	na
	Colletidae	*Dasyhesma brevipalpa*	na
	Colletidae	*Dasyhesma* cf. *forestii*	na
	Colletidae	*Dasyhesma clypeata*	na
	Colletidae	*Dasyhesma depressa*	na
	Colletidae	*Dasyhesma muelleriana*	na
	Colletidae	*Dasyhesma simulata*	na
	Colletidae	*Dasyhesma* sp. KB16	na
	Colletidae	*Dasyhesma* sp. nov. KB23	na
	Colletidae	*Euhesma* (crabronica group) *lucida*	na
	Colletidae	*Euhesma* (crabronica group) sp. KB113	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB05 'evansi'	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB06 'sulcata'	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB07	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB09	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB11	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB14	na
	Colletidae	*Euhesma* (crabronica group) sp. nov. 'KB14 'evansi' black	na
	Colletidae	*Euhesma* (crabronica group) *stria?*	na
	Colletidae	*Euhesma* (crabronica group?) sp. KB15	na
	Colletidae	*Euhesma* (walkeriana group) sp. nov.? KB131	na
	Colletidae	*Euhesma ? (Dasyhesma?)* sp. KB95	na
	Colletidae	*Euhesma* ? sp. KB99	na
	Colletidae	*Euhesma* sp. KB129	na
	Colletidae	*Euhesma* sp. KB130	na
	Colletidae	*Euhesma* sp. KB133	na
	Colletidae	*Euhesma* sp. KB138	na
	Colletidae	*Euhesma* sp. KB139	na
	Colletidae	*Euhesma* sp. KB140	na
	Colletidae	*Euhesma* sp. KB141	na
	Colletidae	*Euhesma* sp. KB142	na
	Colletidae	*Euhesma* sp. KB143	na
	Colletidae	*Euhesma* sp. KB144	na

Group	Family	Species	Common name
	Colletidae	*Euhesma* sp. KB145	na
	Colletidae	*Euhesma* sp. KB146	na
	Colletidae	*Euhesma* sp. KB147	na
	Colletidae	*Euhesma* sp. KB148	na
	Colletidae	*Euhesma* sp. KB149	na
	Colletidae	*Euhesma* sp. KB150	na
	Colletidae	*Euhesma* sp. KB151	na
	Colletidae	*Euhesma* sp. KB152	na
	Colletidae	*Euhesma* sp. KB153	na
	Colletidae	*Euhesma* sp. KB154	na
	Colletidae	*Euhesma* sp. KB155	na
	Colletidae	*Euhesma* sp. KB156	na
	Colletidae	*Euhesma* sp. KB157	na
	Colletidae	*Euhesma* sp. KB172	na
	Colletidae	*Euhesma* sp. KB174	na
	Colletidae	*Euhesma* sp. KB175	na
	Colletidae	*Euhesma* sp. KB181	na
	Colletidae	*Euhesma* sp. KB182	na
	Colletidae	*Euhesma* sp. KB183	na
	Colletidae	*Euhesma* sp. KB184	na
	Colletidae	*Euhesma* sp. KB185	na
	Colletidae	*Euhesma* sp. KB186	na
	Colletidae	*Euhesma* sp. nov. KB09	na
	Colletidae	*Euhesma* sp. nov. KB11	na
	Colletidae	*Euhesma tubulifera*	na
	Colletidae	*Euryglossa calaina*	na
	Colletidae	*Euryglossa cupreochalybea*	na
	Colletidae	*Euryglossa millstreamensis?*	na
	Colletidae	*Euryglossa* sp. KB01	na
	Colletidae	*Euryglossa* sp. KB02 NOT depressa	na
	Colletidae	*Euryglossa* sp. KB17 blue	na
	Colletidae	*Euryglossa* sp. KB18	na
	Colletidae	*Euryglossa* sp. KB96	na
	Colletidae	*Euryglossa* sp. KB97	na
	Colletidae	*Euryglossa* sp. KB98	na
	Colletidae	*Euryglossa* sp. KB101	na
	Colletidae	*Euryglossula microdonta* sp. KB163	na
	Colletidae	*Euryglossula* cf. *microdonta* sp. KB160	na
	Colletidae	*Euryglossula fultoni*	na

Group	Family	Species	Common name
	Colletidae	*Euryglossula* sp. KB159	na
	Colletidae	*Euryglossula* sp. KB187	na
	Colletidae	*Euryglossula* sp. nov. KB158	na
	Colletidae	*Euryglossula* sp. nov. KB161	na
	Colletidae	*Euryglossula* sp. nov. KB162	na
	Colletidae	*Hylaeus* (?) sp. KB78	na
	Colletidae	*Hylaeus (Euprosopellus) certus*	na
	Colletidae	*Hylaeus (Euprosopis) elegans*	na
	Colletidae	*Hylaeus (Euprosopis) violaceus*	na
	Colletidae	*Hylaeus (Gnathoprosopis) amiculus*	na
	Colletidae	*Hylaeus (Hylaeteron) riekianus*	na
	Colletidae	*Hylaeus (Hylaeteron)* sp. nov. KB86	na
	Colletidae	*Hylaeus (Planihylaeus ?)* sp. nov. KB76	na
	Colletidae	*Hylaeus (Prosopisteron) chlorosomus*	na
	Colletidae	*Hylaeus (Prosopisteron) distractus*	na
	Colletidae	*Hylaeus (Prosopisteron)* sp. KB80	na
	Colletidae	*Hylaeus (Prosopisteron)* sp. KB81	na
	Colletidae	*Hylaeus (Prosopisteron)* sp. nov. KB83	na
	Colletidae	*Hylaeus (Prosopisteron) vittatifrons ?*	na
	Colletidae	*Hylaeus (Pseudhylaeus)* sp. KB77	na
	Colletidae	*Hylaeus (Pseudhylaeus)* sp. KB84	na
	Colletidae	*Hylaeus (Rhodohylaeus) proximus*	na
	Colletidae	*Hylaeus* sp. KB87	na
	Colletidae	*Leioproctus (?)* sp. KB176	na
	Colletidae	*Leioproctus (Cladocerapis) clypeatus*	na
	Colletidae	*Leioproctus (Cladocerapis)* sp. nov. KB45	na
	Colletidae	*Leioproctus (Cladocerapis)* sp. nov. KB47	na
	Colletidae	*Leioproctus (Colletellus)* sp. KB168	na
	Colletidae	*Leioproctus (Colletellus)* sp. KB171	na
	Colletidae	*Leioproctus (Colletellus)* sp. KB178	na
	Colletidae	*Leioproctus (Colletellus)* sp. KB179	na
	Colletidae	*Leioproctus (Colletellus)* sp. KB180	na
	Colletidae	*Leioproctus (Colletellus)* sp. KB188	na
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB165	na
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB167	na
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB168	na

Group	Family	Species	Common name
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB173	na
	Colletidae	*Leioproctus (Colletellus)* sp. nov. RB170	na
	Colletidae	*Leioproctus (Euryglossidia)* sp. KB166	na
	Colletidae	*Leioproctus (Filiglossa)* sp. nov. KB169	na
	Colletidae	*Leioproctus* sp. KB49	na
	Colletidae	*Leioproctus* sp. KB50	na
	Colletidae	*Leioproctus* sp. KB51	na
	Colletidae	*Leioproctus* sp. KB52	na
	Colletidae	*Leioproctus* sp. KB53	na
	Colletidae	*Leioproctus* sp. KB54	na
	Colletidae	*Leioproctus* sp. KB55	na
	Colletidae	*Leioproctus* sp. KB56	na
	Colletidae	*Leioproctus* sp. KB57	na
	Colletidae	*Leioproctus* sp. KB58	na
	Colletidae	*Leioproctus* sp. KB59	na
	Colletidae	*Leioproctus* sp. KB60	na
	Colletidae	*Leioproctus* sp. KB61	na
	Colletidae	*Leioproctus* sp. KB62	na
	Colletidae	*Leioproctus* sp. KB63	na
	Colletidae	*Leioproctus* sp. KB64	na
	Colletidae	*Leioproctus* sp. KB65	na
	Colletidae	*Leioproctus* sp. KB66	na
	Colletidae	*Leioproctus* sp. KB67	na
	Colletidae	*Leioproctus* sp. KB68	na
	Colletidae	*Leioproctus* sp. KB69	na
	Colletidae	*Leioproctus* sp. KB70	na
	Colletidae	*Leioproctus* sp. KB71	na
	Colletidae	*Leioproctus* sp. KB72	na
	Colletidae	*Leioproctus* sp. KB110	na
	Colletidae	*Leioproctus* sp. nov. KB48	na
	Colletidae	*Xanthesma (Xanthesma)* sp. nov. KB128	na
	Colletidae	*Xanthesma (Xanthesma) vittata*	na
	Colletidae	*Xanthesma* sp. KB137	na
	Halictidae	*Lasioglossum (Chilalictus) eremaean*	na
	Halictidae	*Lasioglossum (Chilalictus) fasciatum*	na
	Halictidae	*Lasioglossum (Chilalictus) pollux*	na
	Halictidae	*Lasioglossum (Chilalictus)* sp. KB102	na

Group	Family	Species	Common name
	Halictidae	*Lasioglossum (Chilalictus)* sp. nov. KB106	na
	Halictidae	*Lasioglossum (Chilalictus) vitripenne*	na
	Halictidae	*Lasioglossum (Homalictus) bremerense*	na
	Halictidae	*Lasioglossum (Homalictus)* sp. KB177	na
	Halictidae	*Lipotrichus (Austronomia)* sp. nov. KB 104	na
	Megachilidae	*Megachile (Austrochile) kirbyana*	na
	Megachilidae	*Megachile (Austrochile) rottnestensis*	na
	Megachilidae	*Megachile (Austrochile)* sp. nov. KB32	na
	Megachilidae	*Megachile (Austrochile)* sp. nov. KB39	na
	Megachilidae	*Megachile (Coorooa) leeuwinensis*	na
	Megachilidae	*Megachile (Coorooa)* sp. nov.? sp. KB35	na
	Megachilidae	*Megachile (Coorooa) speluncarum*	na
	Megachilidae	*Megachile (Eutricharaea) macularis*	na
	Megachilidae	*Megachile (Eutricharaea)* sp. KB28	na
	Megachilidae	*Megachile (Hackeriapis) oblonga*	na
	Megachilidae	*Megachile (Notomegachile ?)* sp. KB33	na
	Megachilidae	*Megachile (Notomegachile ?)* sp. nov.? KB41	na
	Megachilidae	*Megachile (Notomegachile) maculosipes*	na
	Megachilidae	*Megachile (Notomegachile)* sp. KB40 NOT horatii	na
	Megachilidae	*Megachile (Torridapis) bidentis ?*	na
	Megachilidae	*Megachile* sp. KB36	na
	Stenotritidae	*Ctenocolletes* sp. nov. KB111	na
	Stenotritidae	*Stenotritus greavesi*	na
	Stenotritidae	*Stenotritus* sp. KB112	na
Wasps	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-1	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-2	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-3	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-4	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-5	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-6	na

Group	Family	Species	Common name
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-7	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-8	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-9	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-10	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-11	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-12	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-13	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-14	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-15	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-16	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-17	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-18	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-19	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-20	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-21	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-22	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-23	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-24	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-25	na
	[Superfamily] Chalcidoidea	Chalcidoidea sp. BBKB-26	na
	[Superfamily] Platygastroidea	Platygastroidea sp. BBKB-1	na
	[Superfamily] Platygastroidea	Platygastroidea sp. BBKB-2	na
	[Superfamily] Platygastroidea	Platygastroidea sp. BBKB-3	na
	Aulacidae	*Aulacus aquilus*	na
	Aulacidae	*Pristaulacus* BBKB-1	na

Group	Family	Species	Common name
	Bethylidae	Epyrinae BBKB-1	na
	Bethylidae	Epyrinae BBKB-2	na
	Bethylidae	*Eupsenella* BBKB-1	na
	Bethylidae	*Goniozus* BBKB-1	na
	Braconidae	Agathidinae sp. BBKB-1	na
	Braconidae	Agathidinae sp. BBKB-2	na
	Braconidae	Agathidinae sp. BBKB-3	na
	Braconidae	Agathidinae sp. BBKB-4	na
	Braconidae	Agathidinae sp. BBKB-5	na
	Braconidae	*Aleiodes* sp. BBKB-1	na
	Braconidae	*Apanteles brockhedgesi*	na
	Braconidae	*Apanteles ippeus*	na
	Braconidae	*Apanteles magicus*	na
	Braconidae	*Apanteles oenone*	na
	Braconidae	*Apanteles rufiterra*	na
	Braconidae	*Aphidius colemani*	na
	Braconidae	*Aphidius ervi*	na
	Braconidae	Brachistinae sp. BBKB-1	na
	Braconidae	Braconidae sp. BBKB-1	na
	Braconidae	Braconidae sp. BBKB-2	na
	Braconidae	Braconidae sp. BBKB-3	na
	Braconidae	Braconidae sp. BBKB-4	na
	Braconidae	Braconidae sp. BBKB-5	na
	Braconidae	Braconinae sp. BBKB-1	na
	Braconidae	Braconinae sp. BBKB-2	na
	Braconidae	Braconinae sp. BBKB-3	na
	Braconidae	Braconinae sp. BBKB-5	na
	Braconidae	Braconinae sp. BBKB-6	na
	Braconidae	Braconinae sp. BBKB-7	na
	Braconidae	Braconinae sp. BBKB-8	na
	Braconidae	Braconinae sp. BBKB-9	na
	Braconidae	Braconinae sp. BBKB-10	na
	Braconidae	Braconinae sp. BBKB-11	na
	Braconidae	Braconinae sp. BBKB-12	na
	Braconidae	Braconinae sp. BBKB-13	na
	Braconidae	Cardiochilinae sp. BBKB-1	na
	Braconidae	Cheloninae sp. BBKB-1	na
	Braconidae	Cheloninae sp. BBKB-2	na
	Braconidae	Cheloninae sp. BBKB-3	na
	Braconidae	Cheloninae sp. BBKB-4	na

Group	Family	Species	Common name
	Braconidae	*Cotesia icipe*	na
	Braconidae	*Cotesia* nr radiantis cf Fagan-Jeffries & Austin 2019	na
	Braconidae	*Cotesia ruficrus*	na
	Braconidae	*Cotesia* sp. BBKB-1	na
	Braconidae	*Dinotrema* sp. BBKB-1	na
	Braconidae	*Diolcogaster* sp. BBKB-1	na
	Braconidae	*Diolcogaster* sp. BBKB-2	na
	Braconidae	*Dolichogenidea bonbonensis*	na
	Braconidae	*Dolichogenidea* sp. BBKB-1	na
	Braconidae	*Dolichogenidea* sp. BBKB-2	na
	Braconidae	*Dolichogenidea* sp. BBKB-3	na
	Braconidae	*Dolichogenidea* sp. BBKB-4	na
	Braconidae	*Eunesaulax terebratus*	na
	Braconidae	Euphorinae sp. BBKB-1	na
	Braconidae	*Glyptapanteles kingae*	na
	Braconidae	*Glyptapanteles kittelae*	na
	Braconidae	*Habrobracon hebetor*	na
	Braconidae	Homolobinae sp. BBKB-1	na
	Braconidae	Homolobinae sp. BBKB-2	na
	Braconidae	*Iconella* sp. BBKB-1	na
	Braconidae	*Microchelonus* sp. BBKB-1	na
	Braconidae	*Microctonus* sp. BBKB-1	na
	Braconidae	*Microctonus* sp. BBKB-2	na
	Braconidae	*Microctonus* sp. BBKB-3	na
	Braconidae	Microgastrinae sp. BBKB-1	na
	Braconidae	Microgastrinae sp. BBKB-2	na
	Braconidae	Microgastrinae sp. BBKB-3	na
	Braconidae	*Microplitis demolitor*	na
	Braconidae	*Microplitis* sp. BBKB-1	na
	Braconidae	*Microplitis* sp. BBKB-2	na
	Braconidae	Opiinae sp. BBKB-1	na
	Braconidae	Opiinae sp. BBKB-2	na
	Braconidae	*Opius* sp. BBKB-1	na
	Braconidae	*Opius* sp. BBKB-2	na
	Braconidae	*Opius* sp. BBKB-3	na
	Braconidae	Orgilinae sp. BBKB-1	na
	Braconidae	*Phanerotoma* sp. BBKB-1	na
	Braconidae	*Phanerotoma* sp. BBKB-2	na
	Braconidae	*Phanerotoma* sp. BBKB-3	na

Group	Family	Species	Common name
	Braconidae	*Phanerotoma* sp. BBKB-4	na
	Braconidae	Telengaiinae sp. BBKB-1	na
	Braconidae	*Vipiellus* sp. BBKB-1	na
	Ceraphronidae	Ceraphronidae sp. BBKB-1	na
	Ceraphronidae	Ceraphronidae sp. BBKB-2	na
	Chalcididae	*Brachymeria* sp. BBKB-1	na
	Chalcididae	*Brachymeria* sp. BBKB-2	na
	Chalcididae	*Brachymeria* sp. BBKB-3	na
	Chalcididae	*Brachymeria* sp. BBKB-4	na
	Chalcididae	*Brachymeria* sp. BBKB-5	na
	Chalcididae	*Brachymeria* sp. BBKB-6	na
	Chalcididae	Chalcididae sp. BBKB-1	na
	Chalcididae	Chalcididae sp. BBKB-2	na
	Chalcididae	Chalcididae sp. BBKB-3	na
	Chalcididae	Chalcididae sp. BBKB-4	na
	Chalcididae	Chalcididae sp. BBKB-5	na
	Chalcididae	Chalcididae sp. BBKB-6	na
	Chalcididae	Chalcididae sp. BBKB-7	na
	Chalcididae	Chalcididae sp. BBKB-8	na
	Chalcididae	Chalcididae sp. BBKB-9	na
	Chalcididae	Chalcididae sp. BBKB-10	na
	Chrysididae	*Chrysis saginata*	na
	Chrysolampidae	Chrysolampidae sp. BBKB-1	na
	Chrysolampidae	Chrysolampidae sp. BBKB-2	na
	Coelocybidae	Coelocybidae sp. BBKB-1	na
	Coelocybidae	Coelocybidae sp. BBKB-2	na
	Crabronidae	*Acanthostethus* BBKB-1	na
	Crabronidae	*Argogorytes* BBKB-1	na
	Crabronidae	*Austrogorytes* BBKB-1	na
	Crabronidae	*Austrogorytes* BBKB-2	na
	Crabronidae	*Bembecinus* BBKB-1	na
	Crabronidae	*Bembecinus* BBKB-2	na
	Crabronidae	*Bembix atrifrons*	na
	Crabronidae	*Bembix* BBKB-1	na
	Crabronidae	*Bembix* BBKB-2	na
	Crabronidae	*Clitemnestra* BBKB-1	na
	Crabronidae	*Clitemnestra guttatula*	na
	Crabronidae	*Larrisson* BBKB-1	na
	Crabronidae	*Pison aterrimum*	na
	Crabronidae	*Podagritus* BBKB-1	na

Group	Family	Species	Common name
	Crabronidae	*Podagritus* BBKB-2	na
	Crabronidae	*Sericophorus* BBKB-1	na
	Crabronidae	*Sericophorus* BBKB-2	na
	Crabronidae	*Sphodrotes rubra*	na
	Crabronidae	*Spilomena* BBKB-1	na
	Crabronidae	*Tachytes* BBKB-1	na
	Crabronidae	*Tachytes* BBKB-2	na
	Crabronidae	*Tachytes* BBKB-3	na
	Dryinidae	*Dryinus* BBKB-1	na
	Encyrtidae	Encyrtidae sp. BBKB-1	na
	Encyrtidae	Encyrtidae sp. BBKB-2	na
	Encyrtidae	Encyrtidae sp. BBKB-3	na
	Encyrtidae	Encyrtidae sp. BBKB-4	na
	Encyrtidae	Encyrtidae sp. BBKB-5	na
	Encyrtidae	Encyrtidae sp. BBKB-6	na
	Encyrtidae	Encyrtidae sp. BBKB-7	na
	Encyrtidae	Encyrtidae sp. BBKB-8	na
	Encyrtidae	Encyrtidae sp. BBKB-9	na
	Encyrtidae	Encyrtidae sp. BBKB-10	na
	Encyrtidae	Encyrtidae sp. BBKB-11	na
	Encyrtidae	Encyrtidae sp. BBKB-12	na
	Encyrtidae	Encyrtidae sp. BBKB-13	na
	Encyrtidae	Encyrtidae sp. BBKB-14	na
	Encyrtidae	Encyrtidae sp. BBKB-15	na
	Encyrtidae	Encyrtidae sp. BBKB-16	na
	Encyrtidae	*Psyllaephagus* sp. BBKB-1	na
	Encyrtidae	*Psyllaephagus* sp. BBKB-2	na
	Encyrtidae	*Psyllaephagus* sp. BBKB-3	na
	Eulophidae	Entedoninae sp. BBKB-1	na
	Eulophidae	Entedoninae sp. BBKB-2	na
	Eulophidae	Entedoninae sp. BBKB-5	na
	Eulophidae	Entedoninae sp. BBKB-6	na
	Eulophidae	Entedoninae sp. BBKB-7	na
	Eulophidae	Entedoninae sp. BBKB-8	na
	Eulophidae	Eulophidae sp. BBKB-1	na
	Eulophidae	Eulophidae sp. BBKB-2	na
	Eulophidae	Eulophidae sp. BBKB-3	na
	Eulophidae	Eulophidae sp. BBKB-4	na
	Eulophidae	Eulophidae sp. BBKB-5	na
	Eulophidae	Eulophidae sp. BBKB-6	na

Group	Family	Species	Common name
	Eulophidae	Eulophidae sp. BBKB-7	na
	Eulophidae	Eulophidae sp. BBKB-8	na
	Eulophidae	Eulophidae sp. BBKB-9	na
	Eulophidae	Eulophidae sp. BBKB-10	na
	Eulophidae	Eulophidae sp. BBKB-11	na
	Eulophidae	Eulophidae sp. BBKB-12	na
	Eulophidae	Eulophidae sp. BBKB-13	na
	Eulophidae	Eulophidae sp. BBKB-14	na
	Eulophidae	Eulophidae sp. BBKB-15	na
	Eulophidae	Eulophidae sp. BBKB-16	na
	Eulophidae	Eulophinae sp. BBKB-1	na
	Eulophidae	Eulophinae sp. BBKB-2	na
	Eulophidae	Eulophinae sp. BBKB-3	na
	Eulophidae	Eulophinae sp. BBKB-4	na
	Eulophidae	Eulophinae sp. BBKB-6	na
	Eulophidae	Eulophinae sp. BBKB-7	na
	Eulophidae	Eulophinae sp. BBKB-8	na
	Eulophidae	Eulophinae sp. BBKB-9	na
	Eulophidae	Eulophinae sp. BBKB-10	na
	Eulophidae	Eulophinae sp. BBKB-11	na
	Eulophidae	Eulophinae sp. BBKB-12	na
	Eulophidae	Eulophinae sp. BBKB-13	na
	Eulophidae	Eulophinae sp. BBKB-14	na
	Eulophidae	Eulophinae sp. BBKB-15	na
	Eulophidae	Eulophinae sp. BBKB-16	na
	Eulophidae	Tetrastichinae sp. BBKB-1	na
	Eulophidae	Tetrastichinae sp. BBKB-2	na
	Eulophidae	Tetrastichinae sp. BBKB-3	na
	Eulophidae	Tetrastichinae sp. BBKB-4	na
	Eulophidae	Tetrastichinae sp. BBKB-5	na
	Eulophidae	Tetrastichinae sp. BBKB-6	na
	Eulophidae	Tetrastichinae sp. BBKB-7	na
	Eulophidae	Tetrastichinae sp. BBKB-8	na
	Eulophidae	Tetrastichinae sp. BBKB-9	na
	Eulophidae	Tetrastichinae sp. BBKB-10	na
	Eulophidae	Tetrastichinae sp. BBKB-11	na
	Eulophidae	Tetrastichinae sp. BBKB-12	na
	Eulophidae	Tetrastichinae sp. BBKB-13	na
	Eulophidae	Tetrastichinae sp. BBKB-14	na
	Eulophidae	Tetrastichinae sp. BBKB-15	na

Group	Family	Species	Common name
	Eulophidae	Tetrastichinae sp. BBKB-16	na
	Eulophidae	Tetrastichinae sp. BBKB-17	na
	Eulophidae	Tetrastichinae sp. BBKB-18	na
	Eulophidae	Tetrastichinae sp. BBKB-19	na
	Eulophidae	Tetrastichinae sp. BBKB-20	na
	Eulophidae	Tetrastichinae sp. BBKB-21	na
	Eulophidae	Tetrastichinae sp. BBKB-22	na
	Eulophidae	Tetrastichinae sp. BBKB-23	na
	Eulophidae	Tetrastichinae sp. BBKB-24	na
	Eulophidae	Tetrastichinae sp. BBKB-25	na
	Eulophidae	Tetrastichinae sp. BBKB-26	na
	Eulophidae	Tetrastichinae sp. BBKB-27	na
	Eulophidae	*Zagrammosoma* nr. *latilineatum*	na
	Eupelmidae	Eupelmidae sp. BBKB-1	na
	Eupelmidae	Eupelmidae sp. BBKB-2	na
	Eupelmidae	Eupelmidae sp. BBKB-3	na
	Eupelmidae	Eupelmidae sp. BBKB-4	na
	Eupelmidae	Eupelmidae sp. BBKB-5	na
	Eupelmidae	Eupelmidae sp. BBKB-6	na
	Eupelmidae	Eupelmidae sp. BBKB-7	na
	Eupelmidae	Eupelmidae sp. BBKB-8	na
	Eupelmidae	Eupelmidae sp. BBKB-9	na
	Eupelmidae	Eupelmidae sp. BBKB-10	na
	Eupelmidae	Eupelmidae sp. BBKB-11	na
	Eurytomidae	Eurytomidae sp. BBKB-1	na
	Eurytomidae	Eurytomidae sp. BBKB-2	na
	Eurytomidae	Eurytomidae sp. BBKB-3	na
	Eurytomidae	Eurytomidae sp. BBKB-4	na
	Eurytomidae	Eurytomidae sp. BBKB-5	na
	Eurytomidae	Eurytomidae sp. BBKB-6	na
	Eurytomidae	Eurytomidae sp. BBKB-7	na
	Eurytomidae	Eurytomidae sp. BBKB-8	na
	Eurytomidae	Eurytomidae sp. BBKB-9	na
	Eurytomidae	Eurytomidae sp. BBKB-10	na
	Eurytomidae	Eurytomidae sp. BBKB-11	na
	Eurytomidae	Eurytomidae sp. BBKB-12	na
	Eurytomidae	Eurytomidae sp. BBKB-13	na
	Eurytomidae	Eurytomidae sp. BBKB-14	na
	Eurytomidae	Eurytomidae sp. BBKB-15	na
	Eurytomidae	Eurytomidae sp. BBKB-16	na

Group	Family	Species	Common name
	Eurytomidae	Eurytomidae sp. BBKB-17	na
	Eurytomidae	Eurytomidae sp. BBKB-18	na
	Eurytomidae	Eurytomidae sp. BBKB-19	na
	Eurytomidae	Eurytomidae sp. BBKB-20	na
	Eurytomidae	Eurytomidae sp. BBKB-21	na
	Eurytomidae	Eurytomidae sp. BBKB-22	na
	Eurytomidae	Eurytomidae sp. BBKB-23	na
	Eurytomidae	Eurytomidae sp. BBKB-24	na
	Eurytomidae	Eurytomidae sp. BBKB-25	na
	Eurytomidae	Eurytomidae sp. BBKB-26	na
	Eurytomidae	Eurytomidae sp. BBKB-27	na
	Eurytomidae	Eurytomidae sp. BBKB-28	na
	Eurytomidae	Eurytomidae sp. BBKB-29	na
	Eurytomidae	Eurytomidae sp. BBKB-30	na
	Eurytomidae	Eurytomidae sp. BBKB-31	na
	Eurytomidae	Eurytomidae sp. BBKB-32	na
	Eurytomidae	Eurytomidae sp. BBKB-33	na
	Eurytomidae	Eurytomidae sp. BBKB-34	na
	Eurytomidae	Eurytomidae sp. BBKB-35	na
	Evaniidae	*Szepligetiella* BBKB-1	na
	Evaniidae	*Szepligetiella* BBKB-2	na
	Evaniidae	*Szepligetiella braunsiana*	na
	Evaniidae	*Szepligetiella perfida*	na
	Gasteruptiidae	*Gasteruption* BBKB-1	na
	Gasteruptiidae	*Gasteruption* BBKB-2	na
	Gasteruptiidae	*Gasteruption raphidioides*	na
	Gasteruptiidae	*Gasteruption zebra*	na
	Gasteruptiidae	*Pseudofoenus* BBKB-1	na
	Gasteruptiidae	*Pseudofoenus* BBKB-2	na
	Gasteruptiidae	*Pseudofoenus coorowensis*	na
	Gasteruptiidae	*Pseudofoenus grossitarsis*	na
	Gasteruptiidae	*Pseudofoenus macronyx*	na
	Gasteruptiidae	*Pseudofoenus taylori*	na
	Gasteruptiidae	*Pseudofoenus whiani*	na
	Ichneumonidae	*Allophatnus* sp. BBKB-1	na
	Ichneumonidae	*Anacis* sp. BBKB-1	na
	Ichneumonidae	*Anacis* sp. BBKB-2	na
	Ichneumonidae	*Brachycyrtus* sp. BBKB-1	na
	Ichneumonidae	Campopleginae sp. BBKB-1	na

Group	Family	Species	Common name
	Ichneumonidae	*Diadegma semiclausum*	Diamondback Moth Parasitoid Wasp
	Ichneumonidae	*Diplazon laetatorius*	Common Hover Fly Parasitoid Wasp
	Ichneumonidae	*Echthromorpha intricatoria*	Cream-spotted Ichneumon
	Ichneumonidae	*Enicospilus* sp. BBKB-1	na
	Ichneumonidae	*Eucaphila* sp. BBKB-1	na
	Ichneumonidae	*Ichneumon promissorius*	Armyworm Parasitoid Wasp
	Ichneumonidae	Ichneumonidae sp. BBKB-1	na
	Ichneumonidae	Ichneumonidae sp. BBKB-2	na
	Ichneumonidae	Ichneumonidae sp. BBKB-3	na
	Ichneumonidae	*Labium* sp. BBKB-1	na
	Ichneumonidae	*Labium* sp. BBKB-2	na
	Ichneumonidae	*Lissopimpla excelsa*	Orchid Dupe Wasp
	Ichneumonidae	*Mesochorus* sp. BBKB-1	na
	Ichneumonidae	*Mesochorus* sp. BBKB-2	na
	Ichneumonidae	*Netelia* sp. BBKB-1	na
	Ichneumonidae	*Netelia* sp. BBKB-2	na
	Ichneumonidae	*Netelia* sp. BBKB-3	na
	Ichneumonidae	*Netelia* sp. BBKB-4	na
	Ichneumonidae	Orthocentrinae sp. BBKB-2	na
	Ichneumonidae	*Orthocentrus* sp. BBKB-1	na
	Ichneumonidae	*Paraphylax* BBKB-1	na
	Ichneumonidae	*Paraphylax* sp. BBKB-1	na
	Ichneumonidae	*Paraphylax* sp. BBKB-2	na
	Ichneumonidae	*Paraphylax* sp. BBKB-3	na
	Ichneumonidae	*Temelucha* sp. BBKB-1	na
	Megastigmidae	Megastigmidae sp. BBKB-1	na
	Megastigmidae	Megastigmidae sp. BBKB-2	na
	Megastigmidae	Megastigmidae sp. BBKB-3	na
	Megastigmidae	Megastigmidae sp. BBKB-4	na
	Megastigmidae	Megastigmidae sp. BBKB-5	na
	Megastigmidae	*Megastigmus* sp. BBKB-1	na
	Mutillidae	*Bothriomutilla rugicollis*	na
	Mutillidae	Mutillidae BBKB-1	na
	Mutillidae	Mutillidae BBKB-2	na
	Mutillidae	Mutillidae BBKB-3	na
	Mutillidae	Mutillidae BBKB-4	na
	Mutillidae	Mutillidae BBKB-5	na
	Mutillidae	Mutillidae BBKB-6	na

Group	Family	Species	Common name
	Mutillidae	Mutillidae BBKB-7	na
	Mymaridae	Mymaridae sp. BBKB-1	na
	Mymaridae	Mymaridae sp. BBKB-2	na
	Mymaridae	Mymaridae sp. BBKB-3	na
	Mymaridae	Mymaridae sp. BBKB-4	na
	Mymaridae	Mymaridae sp. BBKB-5	na
	Mymaridae	Mymaridae sp. BBKB-6	na
	Mymaridae	Mymaridae sp. BBKB-7	na
	Mymaridae	Mymaridae sp. BBKB-8	na
	Mymaridae	Mymaridae sp. BBKB-9	na
	Mymaridae	Mymaridae sp. BBKB-10	na
	Mymaridae	Mymaridae sp. BBKB-11	na
	Mymaridae	Mymaridae sp. BBKB-12	na
	Pergidae	*Perga brullei*	na
	Perilampidae	Perilampidae sp. BBKB-1	na
	Perilampidae	Perilampidae sp. BBKB-2	na
	Perilampidae	Perilampidae sp. BBKB-3	na
	Perilampidae	Perilampidae sp. BBKB-4	na
	Perilampidae	Perilampidae sp. BBKB-5	na
	Perilampidae	Perilampidae sp. BBKB-6	na
	Pirenidae	Euryischiinae sp. BBKB-1	na
	Pirenidae	Euryischiinae sp. BBKB-2	na
	Pirenidae	Euryischiinae sp. BBKB-3	na
	Pirenidae	*Myiocnema comperei*	na
	Platygastridae	Platygastridae sp. BBKB-1	na
	Platygastridae	Platygastridae sp. BBKB-2	na
	Platygastridae	Platygastridae sp. BBKB-3	na
	Platygastridae	Platygastridae sp. BBKB-4	na
	Platygastridae	Platygastridae sp. BBKB-6	na
	Platygastridae	Platygastridae sp. BBKB-7	na
	Platygastridae	Platygastridae sp. BBKB-8	na
	Platygastridae	Platygastridae sp. BBKB-9	na
	Platygastridae	Platygastridae sp. BBKB-10	na
	Platygastridae	*Synopeas* sp. BBKB-1	na
	Pompilidae	*Anoplius* BBKB-1	na
	Pompilidae	*Ctenostegus* BBKB-1	na
	Pompilidae	*Ctenostegus* BBKB-2	na
	Pompilidae	*Ctenostegus* BBKB-3	na
	Pompilidae	*Heterodontonyx distictus*	na
	Pompilidae	*Telostegus* BBKB-1	na

Group	Family	Species	Common name
	Pompilidae	*Turneromyia* BBKB-1	na
	Proctotrupidae	*Oxyserphus* BBKB-1	na
	Pteromalidae	Colotrechninae sp. BBKB-1	na
	Pteromalidae	Colotrechninae sp. BBKB-2	na
	Pteromalidae	Colotrechninae sp. BBKB-3	na
	Pteromalidae	Colotrechninae sp. BBKB-4	na
	Pteromalidae	Colotrechninae sp. BBKB-5	na
	Pteromalidae	Colotrechninae sp. BBKB-6	na
	Pteromalidae	Colotrechninae sp. BBKB-7	na
	Pteromalidae	Pteromalidae sp. BBKB-1	na
	Pteromalidae	Pteromalidae sp. BBKB-2	na
	Pteromalidae	Pteromalidae sp. BBKB-3	na
	Pteromalidae	Pteromalidae sp. BBKB-4	na
	Pteromalidae	Pteromalidae sp. BBKB-5	na
	Pteromalidae	Pteromalidae sp. BBKB-6	na
	Pteromalidae	Pteromalidae sp. BBKB-7	na
	Pteromalidae	Pteromalidae sp. BBKB-8	na
	Pteromalidae	Pteromalidae sp. BBKB-9	na
	Pteromalidae	Pteromalidae sp. BBKB-10	na
	Pteromalidae	Pteromalidae sp. BBKB-11	na
	Pteromalidae?	Pteromalidae? sp. BBKB-1	na
	Scelionidae	*Gryon* sp. BBKB-1	na
	Scelionidae	*Gryon* sp. M427_cf Murphy et al 2007_saxatile_group	na
	Scelionidae	*Gryon* sp. M430 cf Murphy et al 2007	na
	Scelionidae	Scelionidae sp. BBKB-1	na
	Scelionidae	Scelionidae sp. BBKB-2	na
	Scelionidae	Scelionidae sp. BBKB-3	na
	Scelionidae	Scelionidae sp. BBKB-4	na
	Scelionidae	Scelionidae sp. BBKB-5	na
	Scelionidae	Scelionidae sp. BBKB-6	na
	Scelionidae	Scelionidae sp. BBKB-7	na
	Scelionidae	Scelionidae sp. BBKB-8	na
	Scelionidae	Scelionidae sp. BBKB-9	na
	Scelionidae	Scelionidae sp. BBKB-10	na
	Scelionidae	Scelionidae sp. BBKB-11	na
	Scelionidae	Scelionidae sp. BBKB-12	na
	Scelionidae	Scelionidae sp. BBKB-13	na
	Scelionidae	Scelionidae sp. BBKB-14	na
	Scelionidae	Scelionidae sp. BBKB-15	na

Group	Family	Species	Common name
	Scelionidae	Scelionidae sp. BBKB-16	na
	Scelionidae	Scelionidae sp. BBKB-17	na
	Scelionidae	Scelionidae sp. BBKB-18	na
	Scelionidae	Scelionidae sp. BBKB-19	na
	Scelionidae	Scelioninae sp. BBKB-1	na
	Scelionidae	Telenominae sp. BBKB-1	na
	Scelionidae	Telenominae sp. BBKB-2	na
	Scelionidae	Telenominae sp. BBKB-3	na
	Scelionidae	Telenominae sp. BBKB-4	na
	Scelionidae	Telenominae sp. BBKB-5	na
	Scelionidae	Telenominae sp. BBKB-6	na
	Scelionidae	*Telenomus* sp. M432 cf Murphy et al 2007	na
	Sclerogibbidae	*Sclerogibba embiopterae*	na
	Scoliidae	*Scolia* BBKB-1	na
	Scollidae	*Radumeris tasmaniensis*	Yellow-flower Wasp
	Sphecidae	*Ammophila ardens*	na
	Sphecidae	*Podalonia tydei*	Tyde's Sand Wasp
	Sphecidae	*Prionyx globosus*	na
	Sphecidae	*Sphex* BBKB-1	na
	Sphecidae	*Sphex* BBKB-2	na
	Sphecidae	*Sphex* BBKB-3	na
	Systasidae	Systasidae sp. BBKB-1	na
	Systasidae	Systasidae sp. BBKB-2	na
	Systasidae	Systasidae sp. BBKB-3	na
	Systasidae	Systasidae sp. BBKB-4	na
	Systasidae	Systasidae sp. BBKB-5	na
	Systasidae	Systasidae sp. BBKB-6	na
	Systasidae	Systasidae sp. BBKB-7	na
	Systasidae	Systasidae sp. BBKB-8	na
	Systasidae	Systasidae sp. BBKB-9	na
	Tanaostigmatidae	Tanaostigmatidae sp. BBKB-1	na
	Tanaostigmatidae	*Tanaostigmodes* BBKB-1	na
	Thynnidae	Thynnidae BBKB-1	na
	Thynnidae	Thynnidae BBKB-2	na
	Thynnidae	Thynnidae BBKB-3	na
	Thynnidae	Thynnidae BBKB-4	na
	Thynnidae	Thynnidae BBKB-5	na
	Thynnidae	Thynnidae BBKB-6	na
	Thynnidae	Thynnidae BBKB-7	na

Group	Family	Species	Common name
	Thynnidae	Thynnidae BBKB-8	na
	Thynnidae	Thynnidae BBKB-9	na
	Thynnidae	Thynnidae BBKB-10	na
	Thynnidae	Thynnidae BBKB-11	na
	Thynnidae	Thynnidae BBKB-12	na
	Thynnidae	Thynnidae BBKB-13	na
	Thynnidae	Thynnidae BBKB-14	na
	Thynnidae	Thynnidae BBKB-15	na
	Thynnidae	Thynnidae BBKB-16	na
	Thynnidae	Thynnidae BBKB-17	na
	Thynnidae	Thynnidae BBKB-18	na
	Thynnidae	Thynnidae BBKB-19	na
	Thynnidae	Thynnidae BBKB-20	na
	Thynnidae	Thynnidae BBKB-21	na
	Thynnidae	Thynnidae BBKB-22	na
	Thynnidae	Thynnidae BBKB-23	na
	Torymidae	Toryminae sp. BBKB-1	na
	Torymidae	Toryminae sp. BBKB-2	na
	Torymidae	Toryminae sp. BBKB-3	na
	Torymidae	Toryminae sp. BBKB-4	na
	Torymidae	Toryminae sp. BBKB-5	na
	Torymidae	Toryminae sp. BBKB-6	na
	Torymidae	Toryminae sp. BBKB-7	na
	Torymidae	*Torymoides* sp. BBKB-1	na
	Trichogrammatidae	*Trichogramma* sp. BBKB-1	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-1	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-2	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-3	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-4	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-5	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-6	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-7	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-8	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-9	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-10	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-11	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-12	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-13	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-14	na
	Trichogrammatidae	Trichogrammatidae sp. BBKB-15	na

Group	Family	Species	Common name
	Vespidae	*Abispa ephippium*	Australian Hornet
	Vespidae	Eumeninae BBKB-1	na
	Vespidae	Eumeninae BBKB-2	na
	Vespidae	Eumeninae BBKB-3	na
Flies	Acroceridae	*Ogcodes* sp10001	na
	Agromyzidae	Agromyzidae sp10008	na
	Agromyzidae	Agromyzidae sp10009	na
	Agromyzidae	Agromyzidae sp10010	na
	Agromyzidae	*Liriomyza* sp10002	na
	Agromyzidae	*Liriomyza* sp10003	na
	Agromyzidae	*Liriomyza* sp10004	na
	Agromyzidae	*Melanagromyza* sp10005	na
	Agromyzidae	*Melanagromyza* sp10006	na
	Agromyzidae	*Ophiomyia* sp10007	na
	Apioceridae	*Apiocera* sp10011	na
	Apioceridae	*Apiocera* sp10012	na
	Apioceridae	*Apiocera* sp10013	na
	Asilidae	*Amphisbetetus* sp10020	na
	Asilidae	Asilidae sp10024	na
	Asilidae	Asilidae sp10025	na
	Asilidae	Asilidae sp10026	na
	Asilidae	Asilidae sp10027	na
	Asilidae	Asilidae sp10028	na
	Asilidae	Asilidae sp10029	na
	Asilidae	Asilidae sp10030	na
	Asilidae	Asilidae sp10031	na
	Asilidae	Asilidae sp10032	na
	Asilidae	Asilinae sp10014	na
	Asilidae	Asilinae sp10015	na
	Asilidae	Dasypogoninae sp10016	na
	Asilidae	Dasypogoninae sp10017	na
	Asilidae	*Leptogaster* sp10018	na
	Asilidae	*Leptogaster* sp10019	na
	Asilidae	*Ommatius* sp10021	na
	Asilidae	*Stichopogon* sp10022	na
	Asilidae	*Stichopogon* sp10023	na
	Asteiidae	*Phlebosotera* sp10033	na
	Australimyzidae	*Australimyza* sp10034	na
	Bombyliidae	*Acreotrichus* sp10046	na
	Bombyliidae	Anthracinae sp10035	na

Group	Family	Species	Common name
	Bombyliidae	Anthracinae sp10036	na
	Bombyliidae	Anthracinae sp10037	na
	Bombyliidae	Bombyliidae sp10052	na
	Bombyliidae	Bombyliidae sp10053	na
	Bombyliidae	Bombyliidae sp10054	na
	Bombyliidae	Bombyliidae sp10055	na
	Bombyliidae	Bombyliidae sp10056	na
	Bombyliidae	Bombyliidae sp10057	na
	Bombyliidae	Bombyliidae sp10058	na
	Bombyliidae	Bombyliidae sp10059	na
	Bombyliidae	Bombyliidae sp10060	na
	Bombyliidae	Bombyliidae sp10061	na
	Bombyliidae	Bombyliidae sp10062	na
	Bombyliidae	Bombyliinae sp10038	na
	Bombyliidae	Bombyliinae sp10039	na
	Bombyliidae	Bombyliinae sp10040	na
	Bombyliidae	Bombyliinae sp10041	na
	Bombyliidae	*Comptosia* sp10048	na
	Bombyliidae	*Geron* sp10049	na
	Bombyliidae	*Glabellula* sp10042	na
	Bombyliidae	Mythicomyiinae sp10044	na
	Bombyliidae	Mythicomyiinae sp10045	na
	Bombyliidae	*Neosardus* sp10050	na
	Bombyliidae	Phthiriinae sp10047	na
	Bombyliidae	*Tolkunia* sp10043	na
	Bombyliidae	*Villa* sp10051	na
	Calliphoridae	*Calliphora* sp10063	na
	Canacidae	*Chaetocanace* sp10065	na
	Canacidae	*Dasyrhicnoessa* sp10067	na
	Canacidae	*Tethina ochracea*	na
	Canacidae	*Tethina* sp10066	na
	Canacidae	*Thitena cadaverina*	na
	Cecidomyiidae	Cecidomyiidae sp10068	na
	Ceratopogonidae	*Clinohelea* sp10069	na
	Ceratopogonidae	*Forcipomyia* sp10070	na
	Chamaemyiidae	*Leucopis formosana*	na
	Chamaemyiidae	*Pseudoleucopis* sp10071	na
	Chironomidae	Chironomidae sp10072	na
	Chloropidae	Chloropidae sp10075	na
	Chloropidae	Chloropidae sp10076	na

Group	Family	Species	Common name
	Chloropidae	Chloropidae sp10077	na
	Chloropidae	Chloropidae sp10078	na
	Chloropidae	Chloropidae sp10079	na
	Chloropidae	Chloropidae sp10080	na
	Chloropidae	Chloropidae sp10081	na
	Chloropidae	Chloropidae sp10082	na
	Chloropidae	Chloropidae sp10083	na
	Chloropidae	Chloropidae sp10084	na
	Chloropidae	Chloropidae sp10085	na
	Chloropidae	Chloropidae sp10086	na
	Chloropidae	Chloropidae sp10087	na
	Chloropidae	Chloropidae sp10088	na
	Chloropidae	Chloropidae sp10089	na
	Chloropidae	Chloropidae sp10090	na
	Chloropidae	Chloropidae sp10091	na
	Chloropidae	*Pseudopachychaeta sexta*	na
	Chloropidae	*Pseudopachychaeta* sp10073	na
	Chloropidae	*Semaranga* sp10074	na
	Chyromyidae	*Aphaniosoma* sp10092	na
	Chyromyidae	*Aphaniosoma* sp10093	na
	Chyromyidae	*Notiochyromya* sp10094	na
	Coelopidae	*Coelopella popeae*	na
	Coelopidae	*Gluma nitida*	na
	Coelopidae	*This canus*	na
	Conopidae	Conopidae sp10100	na
	Conopidae	Conopidae sp10101	na
	Conopidae	*Heteroconops gracilis*	na
	Conopidae	*Heteroconops* sp10095	na
	Conopidae	*Heteroconops* sp10096	na
	Conopidae	*Pleurocerina similis*	na
	Conopidae	*Pleurocerina* sp10097	na
	Conopidae	*Smartiomyia obscura*	na
	Conopidae	*Smartiomyia* sp10098	na
	Conopidae	*Stenoconops* sp10099	na
	Cryptochetidae	*Cryptochetum* sp10102	na
	Cryptochetidae	*Cryptochetum* sp10103	na
	Dolichopodidae	Dolichopodidae sp10104	na
	Dolichopodidae	Dolichopodidae sp10105	na
	Dolichopodidae	Dolichopodidae sp10106	na
	Dolichopodidae	Dolichopodidae sp10107	na

Group	Family	Species	Common name
	Dolichopodidae	Dolichopodidae sp10108	na
	Drosophilidae	*Scaptodrosophila* sp10109	na
	Drosophilidae	*Scaptomyza* sp10110	na
	Empididae	Empididae sp10111	na
	Empididae	Empididae sp10112	na
	Ephydridae	*Athyroglossa* sp10113	na
	Ephydridae	*Atissa* sp10114	na
	Ephydridae	*Ceropsilopa* sp10115	na
	Ephydridae	*Donaceus* sp10116	na
	Ephydridae	*Ephydrella* sp10117	na
	Ephydridae	Ephydridae sp10125	na
	Ephydridae	Ephydridae sp10126	na
	Ephydridae	Ephydridae sp10127	na
	Ephydridae	Ephydridae sp10128	na
	Ephydridae	Ephydridae sp10129	na
	Ephydridae	Ephydridae sp10130	na
	Ephydridae	Ephydridae sp10131	na
	Ephydridae	Ephydridae sp10132	na
	Ephydridae	Ephydridae sp10133	na
	Ephydridae	*Hydrellia* sp10118	na
	Ephydridae	*Nostima* sp10119	na
	Ephydridae	*Notiphila fuscimana*	na
	Ephydridae	*Ochthera* sp10120	na
	Ephydridae	*Paralimna* sp10121	na
	Ephydridae	*Scatella* sp10122	na
	Ephydridae	*Stratiothyrea* sp10123	na
	Ephydridae	*Zeros* sp10124	na
	Fergusoninidae	*Fergusonina* sp10134	na
	Fergusoninidae	*Fergusonina* sp10135	na
	Fergusoninidae	*Fergusonina* sp10136	na
	Helosciomyzidae	*Helosciomyza fuscinevris*	na
	Heteromyzidae	*Prosopantrum flavifrons*	na
	Hybotidae	Tachydromiinae sp10137	na
	Hybotidae	Tachydromiinae sp10138	na
	Lauxaniidae	*Homoneura* sp10139	na
	Lauxaniidae	*Homoneura* sp10140	na
	Lonchaeidae	*Lamprolonchaea brouniana*	Metallic-green Tomato Fly
	Lonchaeidae	*Lamprolonchaea* sp10141	na
	Lonchaeidae	*Silba* sp10142	na
	Milichiidae	*Desmometopa* sp10143	na

Group	Family	Species	Common name
	Milichiidae	Milichiidae sp10145	na
	Milichiidae	Milichiidae sp10146	na
	Milichiidae	Milichiidae sp10147	na
	Milichiidae	Milichiidae sp10148	na
	Milichiidae	Milichiidae sp10149	na
	Milichiidae	Milichiidae sp10150	na
	Milichiidae	*Stomosis* sp10144	na
	Muscidae	*Lispe* sp10151	na
	Muscidae	*Musca vetustissima*	na
	Muscidae	Muscidae sp10152	na
	Muscidae	Muscidae sp10153	na
	Muscidae	Muscidae sp10154	na
	Muscidae	Muscidae sp10155	na
	Muscidae	Muscidae sp10156	na
	Muscidae	Muscidae sp10157	na
	Muscidae	Muscidae sp10158	na
	Mycetophilidae	Mycetophilidae sp10159	na
	Mycetophilidae	Mycetophilidae sp10160	na
	Mycetophilidae	Mycetophilidae sp10161	na
	Mycetophilidae	Mycetophilidae sp10162	na
	Mydidae	*Diochlistus* sp10163	na
	Mydidae	*Diochlistus* sp10164	na
	Mydidae	*Mitrodetus* sp10165	na
	Mydidae	*Neorhaphiomidas* sp10166	na
	Nannodastiidae	*Nannodastia* sp10261	na
	Paraleucopidae	Paraleucopidae sp10260	na
	Phoridae	*Megaselia* sp10175	na
	Phoridae	*Megaselia* sp10176	na
	Phoridae	Phoridae sp10168	na
	Phoridae	Phoridae sp10169	na
	Phoridae	Phoridae sp10170	na
	Phoridae	Phoridae sp10171	na
	Phoridae	Phoridae sp10172	na
	Phoridae	Phoridae sp10173	na
	Phoridae	Phoridae sp10174	na
	Pipunculidae	*Claraeola* sp10177	na
	Pipunculidae	*Tomosvaryella* sp10178	na
	Pipunculidae	*Tomosvaryella* sp10179	na
	Pipunculidae	*Tomosvaryella* sp10180	na
	Platystomatidae	*Duomyia* sp10181	na

Group	Family	Species	Common name
	Platystomatidae	*Duomyia* sp10182	na
	Platystomatidae	*Lenophila nila*	na
	Platystomatidae	*Rivellia* sp10183	na
	Platystomatidae	*Rivellia* sp10184	na
	Platystomatidae	*Rivellia* sp10185	na
	Platystomatidae	*Rivellia* sp10186	na
	Pyrgotidae	*Cardiacera* sp10187	na
	Pyrgotidae	*Cardiacera* sp10188	na
	Pyrgotidae	*Cardiacera* sp10189	na
	Rhiniidae	*Stomorhina* sp10064	na
	Sarcophagidae	Miltogramminae sp10190	na
	Sarcophagidae	Sarcophagidae sp10191	na
	Sarcophagidae	Sarcophagidae sp10192	na
	Sarcophagidae	Sarcophagidae sp10193	na
	Sarcophagidae	Sarcophagidae sp10194	na
	Sarcophagidae	Sarcophagidae sp10195	na
	Sarcophagidae	Sarcophagidae sp10196	na
	Scatopsidae	Scatopsidae sp10197	na
	Scatopsidae	Scatopsidae sp10198	na
	Scenopinidae	*Neopseudatrichia* sp10199	na
	Scenopinidae	*Riekiella* sp10200	na
	Scenopinidae	*Riekiella* sp10201	na
	Scenopinidae	*Riekiella* sp10202	na
	Scenopinidae	Scenopinidae sp10204	na
	Scenopinidae	Scenopinidae sp10205	na
	Scenopinidae	Scenopinidae sp10206	na
	Scenopinidae	*Scenopinus* sp10203	na
	Sciaridae	Sciaridae sp10207	na
	Sciaridae	Sciaridae sp10208	na
	Sciaridae	Sciaridae sp10209	na
	Sepsidae	*Australosepsis frontalis*	na
	Sepsidae	Sepsidae sp10210	na
	Sepsidae	Sepsidae sp10211	na
	Simuliidae	*Austrosimulium* sp10212	na
	Simuliidae	*Austrosimulium* sp10213	na
	Sphaeroceridae	Limosininae sp10214	na
	Sphaeroceridae	Limosininae sp10215	na
	Sphaeroceridae	Limosininae sp10216	na
	Sphaeroceridae	Limosininae sp10217	na
	Sphaeroceridae	Sphaeroceridae sp10218	na

Group	Family	Species	Common name
	Sphaeroceridae	Sphaeroceridae sp10219	na
	Sphaeroceridae	Sphaeroceridae sp10220	na
	Sphaeroceridae	Sphaeroceridae sp10221	na
	Sphaeroceridae	Sphaeroceridae sp10222	na
	Stratiomyidae	*Antissella kalbarriensis*	na
	Stratiomyidae	Clitellariinae sp10223	na
	Stratiomyidae	*Damaromyia* sp10224	na
	Stratiomyidae	*Odontomyia* sp10225	na
	Stratiomyidae	*Odontomyia* sp10226	na
	Syrphidae	*Chalcosyrphus* sp10228	na
	Syrphidae	*Psilota* sp10229	na
	Syrphidae	*Psilota* sp10230	na
	Syrphidae	Syrphidae sp10231	na
	Syrphidae	Syrphidae sp10232	na
	Syrphidae	Syrphinae sp10227	na
	Tabanidae	*Dasybasis* sp10233	na
	Tabanidae	*Dasybasis* sp10259	na
	Tachinidae	Exoristinae sp10234	na
	Tachinidae	Phasiinae sp10235	na
	Tachinidae	*Rutilia* sp10236	na
	Tachinidae	Tachinidae sp10237	na
	Tachinidae	Tachinidae sp10238	na
	Tachinidae	Tachinidae sp10239	na
	Tachinidae	Tachinidae sp10240	na
	Tachinidae	Tachinidae sp10241	na
	Tachinidae	Tachinidae sp10242	na
	Tachinidae	Tachinidae sp10243	na
	Tachinidae	Tachinidae sp10244	na
	Tachinidae	Tachinidae sp10245	na
	Tephritidae	*Austrotephritis* sp10246	na
	Tephritidae	*Austrotephritis* sp10247	na
	Tephritidae	*Austrotephritis* sp10248	na
	Tephritidae	*Austrotephritis* sp10249	na
	Tephritidae	*Bactrocera* sp10250	na
	Tephritidae	*Ceratitis capitata*	na
	Tephritidae	*Dioxyna hyalina*	na
	Tephritidae	*Paraceratitella eurycephala*	na
	Tephritidae	*Paraspathulina eremostigma*	na
	Therevidae	*Acupalpa melanophaeos*	na
	Therevidae	Agapophytinae sp10251	na

Group	Family	Species	Common name
	Therevidae	*Agapophytus* sp10252	na
	Therevidae	Therevidae sp10254	na
	Therevidae	Therevidae sp10255	na
	Therevidae	Therevidae sp10256	na
	Therevidae	Therevidae sp10257	na
	Therevidae	Therevidae sp10258	na
	Ulidiidae	*Physiphora clausa*	na
True bugs	Acanthosomatidae	*Eupolemus* BBKALB-158	na
	Alydidae	*Hamedius incarnatus*	na
	Alydidae	*Melanacanthus margineguttatus*	na
	Alydidae	*Melanacanthus scutellaris*	na
	Coreidae	Acanthocorini BBKALB-26	na
	Coreidae	*Mictis profana*	Crusader Bug
	Geocoridae	*Germalus* BBKALB-75	na
	Lygaeidae	*Nysius vinitor*	Rutherglen Bug
	Lygaeidae	*Spilostethus* BBKALB-185	na
	Miridae	*Ausejanus tiramisu*	na
	Miridae	Austromirini BBKALB-134	na
	Miridae	Austromirini BBKALB-186	na
	Miridae	Austromirini BBKALB-38	na
	Miridae	*Campylomma* BBKALB-206	na
	Miridae	*Campylomma* BBKALB-85	na
	Miridae	*Campylomma liebknechti*	na
	Miridae	*Coridromius chenopoderis*	na
	Miridae	*Coridromius pilbarensis*	na
	Miridae	*Creontiades dilutus*	na
	Miridae	Dicyphini BBKALB-55	na
	Miridae	Dicyphini BBKALB-82	na
	Miridae	*Diomocoris* BBKALB-72	na
	Miridae	*Harpagophylus* BBKALB-137	na
	Miridae	*Harpemiris* BBKALB-87	na
	Miridae	Leucopheropterini BBKALB-100	na
	Miridae	Leucopheropterini BBKALB-162	na
	Miridae	*Melaleucaphylus beaufortiae*	na
	Miridae	*Melaleucoides* `nr uncinatae` BBKALB-78	na
	Miridae	*Melaleucoides* `nr verticordiae` BBKALB-154	na
	Miridae	*Melaleucoides akaina*	na
	Miridae	*Melaleucoides* BBKALB-71	na

Group	Family	Species	Common name
	Miridae	*Melaleucoides* Group BBKALB-130	na
	Miridae	*Melaleucoides* Group BBKALB-195	na
	Miridae	*Melaleucoides* Group BBKALB-53	na
	Miridae	*Melaleucoides verticordia*	na
	Miridae	*Melaleucoides* Group BBKALB-161	na
	Miridae	Mirini BBKALB-46	na
	Miridae	Mirini BBKALB-122	na
	Miridae	Mirini BBKALB-15	na
	Miridae	Mirini-BBKALB-70	na
	Miridae	Monaloniini BBKALB-56	na
	Miridae	*Myrtlemiris* BBKALB-181	na
	Miridae	*Myrtlemiris russulatus*	na
	Miridae	*Myrtlemiris tesselatus*	na
	Miridae	*Myrtophylus* BBKALB-36	na
	Miridae	*Naranjakotta* `nr macfarlanei` BBKALB-84	na
	Miridae	*Naranjakotta* `nr myrtlephyla` BBKALB-64	na
	Miridae	*Naranjakotta* BBKALB-21	na
	Miridae	*Naranjakotta* BBKALB-63	na
	Miridae	*Naranjakotta* BBKALB-83	na
	Miridae	*Ommatodema leanum*	na
	Miridae	Orthotylinae BBKALB-121	na
	Miridae	Orthotylinae BBKALB-142	na
	Miridae	Orthotylinae BBKALB-178	na
	Miridae	Orthotylinae BBKALB-37	na
	Miridae	Orthotylinae BBKALB-58	na
	Miridae	Orthotylinae BBKALB-90	na
	Miridae	Orthotylinae BBKALB-91	na
	Miridae	Orthotylinae BBKALB-94	na
	Miridae	Orthotylinae BBKALB-96	na
	Miridae	Orthotylini `Palassocoris group` BBKALB-10	na
	Miridae	Orthotylini BBKALB-142	na
	Miridae	*Palassocoris* BBKALB-209	na
	Miridae	Phylinae BBKALB-108	na
	Miridae	Phylinae BBKALB-163	na
	Miridae	Phylinae BBKALB-204	na
	Miridae	Phylinae BBKALB-34	na
	Miridae	*Protemiris conospermi*	na
	Miridae	*Rayieria acaciae*	na

Group	Family	Species	Common name
	Miridae	*Rayieria decorata*	na
	Miridae	*Rayieria kennedyi*	na
	Miridae	*Setocoris* BBKALB-166	na
	Miridae	*Spinivesica crenulata*	na
	Miridae	*Taylorilygus apicalis*	na
	Miridae	*Teddus katrinae*	na
	Miridae	*Volkelius* BBKALB-203	na
	Miridae	*Wallabicoris lachnostachyos*	na
	Miridae	*Xasmasoma acuminatus*	na
	Miridae	*Xasmasoma chamelaucieaphila*	na
	Miridae	*Zanessa rubrovariegata*	na
	Nabidae	*Nabis kinbergii*	na
	Pentatomidae	*Cermatulus nasalis*	na
	Pentatomidae	*Eremophilacoris* BBKALB-104	na
	Pentatomidae	*Everardia picta*	na
	Pentatomidae	*Kapunda troughtoni*	na
	Pentatomidae	*Ocirrhoe* BBKALB-43	na
	Pentatomidae	*Oechalia schellenbergii*	na
	Pentatomidae	*Oncocoris apicalis*	na
	Pentatomidae	*Sciomenida* BBKALB-171	na
	Pentatomidae	*Turrubulana plana*	na
	Pentatomidae	*Utheria dixoni*	na
	Reduviidae	*Brachysandalus westraliensis*	na
	Reduviidae	*Coranus* BBKALB-106	na
	Reduviidae	*Havinthus rufovarius*	na
	Reduviidae	*Ischnolestes* BBKALB-98	na
	Rhyparochromidae	*Dieuches* BBKALB-33	na
	Rhyparochromidae	*Laryngodus* BBKALB-6	na
	Rhyparochromidae	Lethaeini BBKALB-183	na
	Rhyparochromidae	Rhyparochromidae BBKALB-11	na
	Rhyparochromidae	Rhyparochromidae BBKALB-184	na
	Saldidae	*Saldula* BBKALB-196	na
	Scutelleridae	*Coleotichus costatus*	na
	Tingidae	*Diplocysta trilobata*	na
	Tingidae	*Malandiola* BBKALB-148	na
	Tingidae	*Nethersia* BBKALB-45	na
	Tingidae	*Nethersia* BBKALB-99	na
	Tingidae	*Nethersia* BBKALB-208	na
Planthoppers	Tropiduchidae	*Alleloplasis* BBKALB-164	na
	Tropiduchidae	*Alleloplasis* BBKALB-165	na

Group	Family	Species	Common name
Lacewings	Nemopteridae	*Chasmoptera* BKALB-167	na
Webspinners	Oligotomidae	Oligotomidae sp10167	na
Pseudoscorpions	Garypidae	*Synsphyronus mimulus*	na
	Garypidae	*Synsphyronus tenuis*	na
	Olpiidae	*Austrohorus* sp. indet.	na
Scorpions	Buthidae	*Isometroides* sp. nov. `KBB1`	na
	Buthidae	*Lychas* sp. nov. `KBB1`	na
	Buthidae	*Lychas* sp. nov. `KBB2`	na
	Urodacidae	*Urodacus* sp. nov. `megamastigus spp. group`	na
Spiders	Anamidae	*Aname* sp. nov. `MYG633`	na
	Anamidae	*Kwonkan* sp. nov. `MYG906`	na
	Araneidae	*Argiope protensa*	Tailed Grass Spider
	Araneidae	*Austracantha minax*	Jewel Spider
	Araneidae	*Backobourkia collina*	na
	Araneidae	*Backobourkia heroine*	na
	Araneidae	*Trichonephila edulis*	Australian Golden Orb-weaving Spider
	Barychelidae	*Idiommata* sp. nov. `MYG409`	na
	Corinnidae	*Nucastia eneabba*	na
	Deinopidae	*Asianopis schomburgki*	na
	Desidae	*Badumna insignis*	Black House Spider
	Idiopidae	*Bungulla ajana*	na
	Idiopidae	*Bungulla banksia*	na
	Idiopidae	*Euoplos* sp. nov. `KBB1`	na
	Idiopidae	*Idiosoma arenaceum*	Geraldton Sandplain Shield-backed Trapdoor Spider
	Idiopidae	*Idiosoma* sp. nov. `KBB1 hard wafer door`	na
	Idiopidae	*Idiosoma* sp. nov. `KBB2 punk door`	na
	Lamponidae	*Lamponina scutata*	na
	Lycosidae	*Hoggicosa* sp. indet. `cf forresti`	na
	Lycosidae	*Lycosa* sp. nov. `woonda grp`	na
	Lycosidae	Lycosidae gen. nov. sp. nov. `KBB1`	na
	Lycosidae	*Mainosa longipes*	na
	Lycosidae	*Tasmanicosa leuckartii*	na
	Miturgidae	*Mituliodon tarantulinus*	na
	Miturgidae	*Miturga* sp. indet.	na
	Nicodamidae	*Nicodamus mainae*	Main Red And Black Spider
	Oxyopidae	*Oxyopes amoenus*	na
	Pholcidae	*Pholcitrichocyclus nigropunctatus*	na

Group	Family	Species	Common name
	Salticidae	*Adoxotoma* sp. indet.	na
	Salticidae	*Apricia* sp. nov. `KBB1`	na
	Salticidae	*Maratus* sp. indet. `cf griseus?`	na
	Segestriidae	*Ariadna* sp. nov. `KBB1`	na
	Sparassidae	*Holconia westralia*	na
	Sparassidae	*Isopedella saundersi*	na
	Sparassidae	*Neosparassus* sp. nov. `KBB1`	na
	Tetragnathidae	*Tetragnatha* sp. `KBB1`	na
	Theridiidae	*Cryptachaea veruculata*	na
	Theridiidae	*Emertonella* sp. nov. `KBB1`	na
	Theridiidae	*Latrodectus hasseltii*	Redback Spider
	Theridiidae	*Steatoda* sp. nov. `native KBB1`	na
	Theridiidae	Theridiidae gen. nov. `Ctenopalpus` sp. nov. `KBB1`	na
	Trachycosmidae	*Longrita* sp. indet.	na
	Zodariidae	*Cavasteron* sp. indet.	na
	Zodariidae	*Neostorena* sp. indet.	na
Ticks	Ixodidae	*Amblyomma triguttatum*	Common Kangaroo Tick
Centipedes and millipedes	Paradoxosomatidae	*Antichiropus* sp. `cf DIP089`	na
	Scolopendridae	*Scolopendra laeta*	Striped Centipede
	Scolopendridae	*Scolopendra morsitans*	Red-headed Centipede
Crustaceans	Chiltoniidae	Chiltoniidae undescribed genus and species RL3054	na

na Not available.

List of vascular plant species recorded on the Nanda Country Bush Blitz

Family	Species	Common name
Aizoaceae	*Disphyma crassifolium* subsp. *clavellatum*	na
Aizoaceae	*Gunniopsis* sp. Lake Koorkoordine (R.J.Chinnock 10605)	na
Aizoaceae	*Tetragonia implexicoma*	Bower Spinach
Amaranthaceae	*Ptilotus divaricatus*	Climbing Mulla Mulla
Amaranthaceae	*Ptilotus gaudichaudii*	na
Amaranthaceae	*Ptilotus manglesii*	Pom Poms
Amaranthaceae	*Ptilotus obovatus*	Cotton Bush
Amaranthaceae	*Ptilotus polystachyus*	Prince of Wales Feather
Amaranthaceae	*Ptilotus stirlingii* subsp. *stirlingii*	Stirling's Mulla Mulla
Aphanopetalaceae	*Aphanopetalum clematideum*	na
Apiaceae	*Daucus glochidiatus*	Australian Carrot
Apocynaceae	*Alyxia buxifolia*	Dysentery Bush
Apocynaceae	*Cynanchum viminale* subsp. *australe*	Caustic Bush
Araliaceae	*Trachymene coerulea* subsp. *leucopetala*	Blue Lace Flower
Araliaceae	*Trachymene ornata*	Spongefruit
Araliaceae	*Trachymene pilosa*	Native Parsnip
Asparagaceae	*Acanthocarpus* sp. Cooloomia (S.D. Hopper 3301)	na
Asparagaceae	*Lomandra hastilis*	na
Asparagaceae	*Thysanotus arenarius*	Sand-dune Fringed Lily
Asparagaceae	*Thysanotus kalbarriensis*	Kalbarri Fringe Lily
Asparagaceae	*Thysanotus* sp.	na
Asparagaceae	*Thysanotus sparteus*	Leafless Fringed Lily
Asteraceae	*Actinobile condensatum*	na
Asteraceae	*Angianthus tomentosus*	Camel-grass
Asteraceae	*Brachyscome billabongensis*	na
Asteraceae	*Brachyscome iberidifolia*	Swan River Daisy
Asteraceae	*Calocephalus francisii*	Fine-leaf Beauty-heads
Asteraceae	*Centaurea melitensis*	Maltese Cockspur
Asteraceae	*Cephalipterum drummondii*	Pompom Head
Asteraceae	*Gnephosis tenuissima*	na
Asteraceae	*Hyalosperma cotula*	na
Asteraceae	*Podolepis aristata* subsp. *aristata*	na
Asteraceae	*Podotheca gnaphalioides*	Golden Long-heads
Asteraceae	*Pogonolepis stricta*	Stiff Angianthus
Asteraceae	*Pterochaeta paniculata*	Woolly Waitzia
Asteraceae	*Reichardia tingitana*	False Sowthistle
Asteraceae	*Senecio pinnatifolius*	na

Family	Species	Common name
Asteraceae	*Siemssenia capillaris*	Wiry Podolepis
Asteraceae	*Siloxerus humifusus*	Procumbent Siloxerus
Asteraceae	*Waitzia acuminata* var. *acuminata*	Orange Immortelle
Asteraceae	*Waitzia acuminata* var. *albicans*	na
Boraginaceae	*Halgania argyrophylla*	na
Boraginaceae	*Halgania cyanea* var. Allambi Stn (B.W. Strong 676)	Rough Halgania
Boraginaceae	*Halgania littoralis*	na
Boraginaceae	*Halgania sericiflora*	na
Boraginaceae	*Trichodesma zeylanicum* var. *zeylanicum*	Camel Bush
Campanulaceae	*Isotoma hypocrateriformis*	Woodbridge Poison
Campanulaceae	*Lobelia cleistogamoides*	na
Campanulaceae	*Lobelia heterophylla*	Wing-seeded Lobelia
Campanulaceae	*Lobelia heterophylla* subsp. *heterophylla*	Wing-seeded Lobelia
Campanulaceae	*Lobelia rhytidosperma*	Wrinkled-seeded Lobelia
Campanulaceae	*Wahlenbergia capensis*	Cape Bluebell
Casuarinaceae	*Allocasuarina campestris*	na
Casuarinaceae	*Allocasuarina humilis*	Dwarf Sheoak
Celastraceae	*Stackhousia dielsii*	Yellow Stackhousia
Celastraceae	*Tripterococcus brunonis*	Winged Stackhousia
Chenopodiaceae	*Didymanthus roei*	na
Chenopodiaceae	*Enchylaena tomentosa*	Barrier Saltbush
Chenopodiaceae	*Salsola australis*	na
Chenopodiaceae	*Tecticornia indica* subsp. *bidens*	na
Convolvulaceae	*Bonamia rosea*	Felty Bellflower
Convolvulaceae	*Cuscuta planiflora*	na
Convolvulaceae	*Duperreya sericea*	na
Cupressaceae	*Callitris arenaria*	Sandplain Cypress
Cyperaceae	*Chrysitrix distigmatosa*	na
Cyperaceae	*Lepidosperma tenue*	na
Cyperaceae	*Mesomelaena preissii*	na
Cyperaceae	*Mesomelaena pseudostygia*	Semaphore Sedge
Cyperaceae	*Schoenus nanus*	Tiny Bog Rush
Dilleniaceae	*Hibbertia conspicua*	Leafless Hibbertia
Dilleniaceae	*Hibbertia desmophylla*	na
Dilleniaceae	*Hibbertia spicata*	na
Dioscoreaceae	*Dioscorea hastifolia*	Warrine
Droseraceae	*Drosera omissa*	Bright Sundue
Ecdeiocoleaceae	*Ecdeiocolea monostachya*	na
Ecdeiocoleaceae	*Ecdeiocolea rigens*	na

Family	Species	Common name
Elatinaceae	*Elatine macrocalyx*	na
Ericaceae	*Lysinema pentapetalum*	Curry Flower
Ericaceae	*Styphelia cordifolia*	na
Ericaceae	*Styphelia serratifolia*	na
Euphorbiaceae	*Euphorbia tannensis* subsp. *eremophila*	na
Euphorbiaceae	*Monotaxis bracteata*	na
Fabaceae	*Acacia andrewsii*	na
Fabaceae	*Acacia cavealis*	na
Fabaceae	*Acacia latipes* subsp. *latipes*	na
Fabaceae	*Acacia plautella*	na
Fabaceae	*Acacia quadrisulcata*	na
Fabaceae	*Acacia ramulosa* var. *ramulosa*	na
Fabaceae	*Acacia rhodophloia*	na
Fabaceae	*Acacia scirpifolia*	na
Fabaceae	*Acacia signata*	na
Fabaceae	*Acacia stereophylla* var. *cylindrata*	na
Fabaceae	*Acacia tetragonophylla*	Kurara
Fabaceae	*Gompholobium tomentosum*	Hairy Yellow Pea
Fabaceae	*Jacksonia rigida*	na
Fabaceae	*Labichea cassioides*	na
Fabaceae	*Labichea lanceolata* subsp. *lanceolata*	Tall Labichea
Fabaceae	*Leptosema aphyllum*	na
Fabaceae	*Mirbelia balsiformis*	na
Fabaceae	*Mirbelia spinosa*	na
Fabaceae	*Mirbelia corallina*	na
Fabaceae	*Sphaerolobium gracile*	na
Frankeniaceae	*Frankenia setosa*	Bristly Frankenia
Gentianaceae	*Centaurium tenuiflorum*	na
Geraniaceae	*Erodium cygnorum*	Blue Heronsbill
Goodeniaceae	*Brunonia australis*	na
Goodeniaceae	*Dampiera aff. spicigera*	Spiked Dampiera
Goodeniaceae	*Dampiera spicigera*	Spiked Dampiera
Goodeniaceae	*Goodenia berardiana*	na
Goodeniaceae	*Goodenia caerulea*	na
Goodeniaceae	*Goodenia occidentalis*	na
Goodeniaceae	*Goodenia trichophylla*	na
Goodeniaceae	*Lechenaultia linarioides*	Yellow Leschenaultia
Goodeniaceae	*Scaevola canescens*	Grey Scaevola
Goodeniaceae	*Scaevola chrysopogon*	na
Goodeniaceae	*Scaevola hamiltonii*	na

Family	Species	Common name
Goodeniaceae	*Scaevola phlebopetala*	Velvet Fanflower
Gyrostemonaceae	*Gyrostemon racemiger*	na
Haemodoraceae	*Anigozanthos kalbarriensis*	Kalbarri Catspaw
Haemodoraceae	*Conostylis aculeata* subsp. *echinissima*	Prickly Conostylis
Haemodoraceae	*Conostylis prolifera*	Mat Cottonheads
Haemodoraceae	*Conostylis robusta*	na
Haemodoraceae	*Haemodorum discolor*	na
Haemodoraceae	*Haemodorum simulans*	na
Haloragaceae	*Glischrocaryon aureum*	Common Popflower
Haloragaceae	*Gonocarpus confertifolius* var. *confertifolius*	na
Hemerocallidaceae	*Corynotheca dichotoma*	Intricate Zigzag Lily
Hemerocallidaceae	*Dianella revoluta* var. *divaricata*	Blueberry Lily
Hemerocallidaceae	*Tricoryne elatior*	Yellow Autumn Lily
Hemerocallidaceae	*Tricoryne* sp. Mullewa (G.J. Keighery 12080)	na
Iridaceae	*Patersonia drummondii*	Drummond's Patersonia
Iridaceae	*Patersonia drummondii* subsp. Northern (R.D. Royce UWA 777)	Drummond's Patersonia
Iridaceae	*Patersonia graminea*	Grass-leaved Patersonia
Iridaceae	*Patersonia occidentalis*	Purple Flag
Iridaceae	*Patersonia occidentalis* var. *latifolia*	Purple Flag
Lamiaceae	*Dicrastylis fulva*	na
Lamiaceae	*Hemigenia macrantha*	na
Lamiaceae	*Hemigenia scabra*	na
Lamiaceae	*Lachnostachys eriobotrya*	Lambswool
Lamiaceae	*Microcorys tenuifolia*	na
Lamiaceae	*Pityrodia hemigenioides*	na
Lamiaceae	*Quoya atriplicina*	na
Lamiaceae	*Quoya loxocarpa*	na
Lamiaceae	*Quoya oldfieldii*	Oldfields Foxglove
Lamiaceae	*Quoya verbascina*	Golden Bush
Lauraceae	*Cassytha pomiformis*	Dodder Laurel
Loganiaceae	*Orianthera spermacocea*	na
Loranthaceae	*Nuytsia floribunda*	Christmas Tree
Macarthuriaceae	*Macarthuria intricata*	na
Malvaceae	*Alyogyne hakeifolia*	na
Malvaceae	*Brachychiton gregorii*	Desert Kurrajong
Malvaceae	*Seringia hermanniifolia*	Crinkle-leaved firebush
Malvaceae	*Sida* sp. dark green fruits (S. van Leeuwen 2260)	na
Menyanthaceae	*Liparophyllum congestiflorum*	na

Family	Species	Common name
Montiaceae	*Calandrinia baccata*	na
Montiaceae	*Calandrinia liniflora*	Parakeelya
Montiaceae	*Calandrinia polyandra*	Parakeelya
Montiaceae	*Calandrinia polypetala*	na
Montiaceae	*Calandrinia remota*	na
Montiaceae	*Calandrinia* sp. Bungalbin (G.J. Keighery & N. Gibson 1656)	na
Montiaceae	*Calandrinia transluscens*	na
Myrtaceae	*Baeckea pentagonantha*	na
Myrtaceae	*Baeckea robusta*	na
Myrtaceae	*Baeckea* sp. aff *muricata*	na
Myrtaceae	*Baeckea* sp. East Nabawa (M.E. Trudgen MET 21623)	na
Myrtaceae	*Beaufortia aestiva*	Kalbarri Beaufortia
Myrtaceae	*Calothamnus chrysanthereus*	na
Myrtaceae	*Calothamnus glaber*	na
Myrtaceae	*Calothamnus quadrifidus* subsp. *obtusus*	na
Myrtaceae	*Calothamnus quadrifidus* subsp. *homalophyllus*	Murchison Clawflower
Myrtaceae	*Calytrix* aff. *harvestiana*	na
Myrtaceae	*Calytrix brevifolia*	na
Myrtaceae	*Calytrix depressa*	na
Myrtaceae	*Calytrix formosa*	na
Myrtaceae	*Calytrix harvestiana*	na
Myrtaceae	*Calytrix oldfieldii*	na
Myrtaceae	*Calytrix paucicostata*	na
Myrtaceae	*Calytrix* sp.	na
Myrtaceae	*Calytrix strigosa*	na
Myrtaceae	*Chamelaucium marchantii*	na
Myrtaceae	*Chamelaucium* sp. Coolcalalaya (A.H. Burbidge 4233)	na
Myrtaceae	*Chamelaucium uncinatum*	Geraldton Wax
Myrtaceae	*Darwinia capitellata*	na
Myrtaceae	*Darwinia virescens*	Murchison Darwinia
Myrtaceae	*Eremaea ebracteata* subsp. *ebracteata*	na
Myrtaceae	*Eucalyptus eudesmioides*	na
Myrtaceae	*Eucalyptus gittinsii* subsp. *gittinsii*	Northern Sandplain Mallee
Myrtaceae	*Eucalyptus loxophleba* subsp. *supralaevis*	Blackbutt York Gum
Myrtaceae	*Eucalyptus oraria*	Ooragmandee
Myrtaceae	*Homalocalyx aureus*	na
Myrtaceae	*Malleostemon* cf. *hursthousei*	na

Family	Species	Common name
Myrtaceae	*Melaleuca adnata*	na
Myrtaceae	*Melaleuca calothamnoides*	na
Myrtaceae	*Melaleuca campanae*	na
Myrtaceae	*Melaleuca concreta*	na
Myrtaceae	*Melaleuca cordata*	na
Myrtaceae	*Melaleuca eleuterostachya*	na
Myrtaceae	*Melaleuca filifolia*	Wiry Honeymyrtle
Myrtaceae	*Melaleuca fulgens subsp. steedmanii*	na
Myrtaceae	*Melaleuca hamata*	na
Myrtaceae	*Melaleuca lara*	na
Myrtaceae	*Melaleuca leuropoma*	na
Myrtaceae	*Melaleuca megacephala*	na
Myrtaceae	*Melaleuca psammophila*	na
Myrtaceae	*Melaleuca radula*	Graceful Honeymyrtle
Myrtaceae	*Melaleuca sp.*	na
Myrtaceae	*Melaleuca trichophylla*	na
Myrtaceae	*Micromyrtus greeniana*	na
Myrtaceae	*Phymatocarpus porphyrocephalus*	na
Myrtaceae	*Pileanthus bellus*	na
Myrtaceae	*Pileanthus peduncularis*	Coppercups
Myrtaceae	*Pileanthus peduncularis subsp. pilifer*	Coppercups
Myrtaceae	*Pileanthus rubrinitidus*	na
Myrtaceae	*Pileanthus vernicosus*	na
Myrtaceae	*Scholtzia capitata*	Pom-pom Scholtzia
Myrtaceae	*Scholtzia corrugata*	na
Myrtaceae	*Scholtzia obovata*	na
Myrtaceae	*Scholtzia peltigera*	Eurardy Scholtzia
Myrtaceae	*Scholtzia sp.*	na
Myrtaceae	*Scholtzia spatulata*	na
Myrtaceae	*Verticordia capillaris*	na
Myrtaceae	*Verticordia chrysantha*	na
Myrtaceae	*Verticordia cooloomia*	na
Myrtaceae	*Verticordia densiflora*	Compacted Featherflower
Myrtaceae	*Verticordia dichroma*	na
Myrtaceae	*Verticordia dichroma* var. *dichroma*	na
Myrtaceae	*Verticordia etheliana*	na
Myrtaceae	*Verticordia lepidophylla*	na
Myrtaceae	*Verticordia monadelpha*	Pink Woolly Featherflower
Myrtaceae	*Verticordia monadelpha* var. *callitricha*	na
Myrtaceae	*Verticordia oculata*	na

Family	Species	Common name
Myrtaceae	*Verticordia polytricha*	Northern Cauliflower
Myrtaceae	*Verticordia spicata*	Spiked Featherflower
Myrtaceae	*Verticordia spicata* subsp. *spicata*	Spiked Featherflower
Nyctaginaceae	*Commicarpus australis*	Perennial Tar Vine
Orchidaceae	*Paracaleana terminalis*	Smooth-billed Duck Orchid
Phrymaceae	*Glossostigma drummondii*	Mudmat
Phyllanthaceae	*Poranthera drummondii*	na
Phyllanthaceae	*Synostemon crassifolius*	na
Poaceae	*Amphipogon caricinus*	Long Greybeard Grass
Poaceae	*Aristida holathera* var. *holathera*	na
Poaceae	*Austrostipa elegantissima*	na
Poaceae	*Austrostipa macalpinei*	na
Poaceae	*Austrostipa scabra*	na
Poaceae	*Cenchrus setaceus*	Fountain Grass
Poaceae	*Ehrharta longiflora*	Annual Veldt Grass
Poaceae	*Eragrostis dielsii*	Mallee Lovegrass
Poaceae	*Monachather paradoxus*	na
Poaceae	*Neurachne alopecuroidea*	Foxtail Mulga Grass
Poaceae	*Pentameris airoides*	False Hairgrass
Poaceae	*Polypogon monspeliensis*	Annual Beardgrass
Poaceae	*Triodia bromoides*	na
Poaceae	*Triodia dielsii*	na
Polygalaceae	*Comesperma integerrimum*	na
Polygalaceae	*Comesperma scoparium*	Broom Milkwort
Polygonaceae	*Rumex vesicarius*	Ruby Dock
Primulaceae	*Lysimachia loeflingii*	Pimpernel
Primulaceae	*Samolus repens*	Creeping Brookweed
Proteaceae	*Banksia ashbyi*	Ashby's Banksia
Proteaceae	*Banksia attenuata*	Slender Banksia
Proteaceae	*Banksia borealis* subsp. *borealis*	na
Proteaceae	*Banksia prionotes*	Acorn Banksia
Proteaceae	*Banksia sceptrum*	Sceptre Banksia
Proteaceae	*Conospermum microflorum*	na
Proteaceae	*Conospermum stoechadis* subsp. *stoechadis*	Common Smokebush
Proteaceae	*Conostylis candicans* subsp. *flavifolia*	Grey Cottonhead
Proteaceae	*Grevillea annulifera*	Prickly Plume Grevillea
Proteaceae	*Grevillea biformis* subsp. *biformis*	na
Proteaceae	*Grevillea candelabroides*	na
Proteaceae	*Grevillea commutata* subsp. *commutata*	na
Proteaceae	*Grevillea didymobotrya* subsp. *didymobotrya*	na

Family	Species	Common name
Proteaceae	*Grevillea eriostachya*	Flame Grevillea
Proteaceae	*Grevillea gordoniana*	na
Proteaceae	*Grevillea leucopteris*	White Plume Grevillea
Proteaceae	*Grevillea obliquistigma* subsp. *obliquistigma*	na
Proteaceae	*Grevillea petrophiloides* subsp. *petrophiloides*	Pink Pokers
Proteaceae	*Grevillea pinaster*	na
Proteaceae	*Grevillea rogersoniana*	Rogersons' Grevillea
Proteaceae	*Grevillea stenomera*	Lace Net Greveillea
Proteaceae	*Hakea orthorrhyncha* var. *filiformis*	Bird Hakea
Proteaceae	*Hakea preissii*	Needle Tree
Proteaceae	*Hakea stenophylla* subsp. *notialis*	na
Proteaceae	*Persoonia acicularis*	na
Proteaceae	*Persoonia biglandulosa*	na
Proteaceae	*Persoonia brachystylis*	Short-styled Persoonia
Proteaceae	*Persoonia hexagona*	na
Proteaceae	*Persoonia stricta*	na
Proteaceae	*Petrophile semifurcata*	na
Proteaceae	*Stirlingia latifolia*	Blueboy
Proteaceae	*Synaphea spinulosa* subsp. *spinulosa*	na
Proteaceae	*Xylomelum angustifolium*	Sandplain Woody Pear
Pteridaceae	*Cheilanthes sieberi* subsp. *sieberi*	Mulga Fern
Restionaceae	*Lepidobolus* aff. *eurardyensis*	na
Rhamnaceae	*Stenanthemum* aff. *complicatum*	na
Rhamnaceae	*Stenanthemum complicatum*	na
Rhamnaceae	*Stenanthemum intricatum*	na
Rutaceae	*Cyanothamnus coerulescens*	na
Rutaceae	*Cyanothamnus coerulescens* subsp. *spinescens*	na
Rutaceae	*Cyanothamnus coerulescens* subsp. *spicatus*	na
Rutaceae	*Diplolaena mollis*	na
Rutaceae	*Geleznowia uberiflora*	na
Santalaceae	*Leptomeria preissiana*	na
Scrophulariaceae	*Eremophila clarkei*	Turpentine Bush
Scrophulariaceae	*Eremophila glabra* subsp. *tomentosa*	Tar Bush
Scrophulariaceae	*Eremophila microtheca*	Heath-like Eremophila
Scrophulariaceae	*Eremophila oldfieldii* subsp. *oldfieldii*	Pixie Bush
Scrophulariaceae	*Myoporum caprarioides*	Slender Myoporum
Solanaceae	*Anthocercis ilicifolia* subsp. *caldariola*	Holly-leaf Tailflower
Solanaceae	*Anthotroche walcottii*	na
Solanaceae	*Anthotroche myoporoides*	Myoporum-like Anthotroche
Solanaceae	*Cyphanthera racemosa*	na

Family	Species	Common name
Solanaceae	*Solanum nigrum*	Black Berry Nightshade
Solanaceae	*Solanum orbiculatum* subsp. *orbiculatum*	Round-leaved Solanum
Stylidiaceae	*Levenhookia leptantha*	Trumpet Stylewort
Stylidiaceae	*Levenhookia octomaculata*	Dotted Stylewort
Stylidiaceae	*Levenhookia stipitata*	Common Stylewort
Stylidiaceae	*Stylidium burbidgeanum*	na
Stylidiaceae	*Stylidium calcaratum*	Book Triggerplant
Stylidiaceae	*Stylidium despectum*	Dwarf Triggerplant
Stylidiaceae	*Stylidium dispermum*	na
Stylidiaceae	*Stylidium elongatum*	Tall Triggerplant
Stylidiaceae	*Stylidium kalbarriense*	na
Stylidiaceae	*Stylidium ponticulus*	na
Stylidiaceae	*Stylidium* sp. nov	na
Thymelaeaceae	*Pimelea angustifolia*	Narrow-leaved Pimelea
Zygophyllaceae	*Roepera fruticulosa*	Shrubby Twinleaf

na Not available.

Appendix B:
Species new to science

List of species new to science found on the Nanda Country Bush Blitz

Group	Family	Species
Bees	Colletidae	*Callohesma* sp. nov. KB115
	Colletidae	*Callohesma* sp. nov. KB119
	Colletidae	*Callohesma* sp. nov. KB121
	Colletidae	*Callohesma* sp. nov. KB122
	Colletidae	*Callohesma* sp. nov. KB123
	Colletidae	*Callohesma* sp. nov. KB125
	Colletidae	*Callohesma* sp. nov. KB126
	Colletidae	*Callohesma* sp. nov.? KB118
	Colletidae	*Dasyhesma* sp. nov. KB23
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB05 'evansi'
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB06 'sulcata'
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB07
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB09
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB11
	Colletidae	*Euhesma* (crabronica group) sp. nov. KB14
	Colletidae	*Euhesma* (crabronica group) sp. nov. 'KB14 'evansi' black
	Colletidae	*Euhesma* (walkeriana group) sp. nov.? KB131
	Colletidae	*Euhesma* sp. nov. KB09
	Colletidae	*Euhesma* sp. nov. KB11
	Colletidae	*Euryglossula* sp. nov. KB158
	Colletidae	*Euryglossula* sp. nov. KB161
	Colletidae	*Euryglossula* sp. nov. KB162
	Colletidae	*Hylaeus (Hylaeteron)* sp. nov. KB86
	Colletidae	*Hylaeus (Planihylaeus ?)* sp. nov. KB76
	Colletidae	*Hylaeus (Prosopisteron)* sp. nov. KB83
	Colletidae	*Leioproctus (Cladocerapis)* sp. nov. KB45
	Colletidae	*Leioproctus (Cladocerapis)* sp. nov. KB47
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB165
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB167
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB168
	Colletidae	*Leioproctus (Colletellus)* sp. nov. KB173
	Colletidae	*Leioproctus (Colletellus)* sp. nov. RB170
	Colletidae	*Leioproctus (Filiglossa)* sp. nov. KB169
	Colletidae	*Leioproctus* sp. nov. KB48

Group	Family	Species
	Colletidae	*Xanthesma (Xanthesma)* sp. nov. KB128
	Halictidae	*Lasioglossum (Chilalictus)* sp. nov. KB106
	Halictidae	*Lipotrichus (Austronomia)* sp. nov. KB 104
	Megachilidae	*Megachile (Austrochile)* sp. nov. KB32
	Megachilidae	*Megachile (Austrochile)* sp. nov. KB39
	Megachilidae	*Megachile (Coorooa)* sp. nov.? sp. KB35
	Megachilidae	*Megachile (Notomegachile ?)* sp. nov.? KB41
	Stenotritidae	*Ctenocolletes* sp. nov. KB111
Wasps	Aulacidae	*Pristaulacus* BBKB-1
	Gasteruptiidae	*Gasteruption* BBKB-2
	Tanaostigmatidae	*Tanaostigmodes* BBKB-1
Flies	Asilidae	*Leptogaster* sp10018
	Asilidae	*Leptogaster* sp10019
	Asilidae	*Stichopogon* sp10022
	Asilidae	*Stichopogon* sp10023
	Asteiidae	*Phlebosotera* sp10033
	Canacidae	*Dasyrhicnoessa* sp10067
	Ceratopogonidae	*Clinohelea* sp10069
	Chamaemyiidae	*Pseudoleucopis* sp10071
	Chloropidae	*Pseudopachychaeta* sp10073
	Chloropidae	*Semaranga* sp10074
	Chyromyidae	*Aphaniosoma* sp10092
	Chyromyidae	*Aphaniosoma* sp10093
	Chyromyidae	*Notiochyromya* sp10094
	Conopidae	*Heteroconops* sp10095
	Conopidae	*Heteroconops* sp10096
	Conopidae	*Pleurocerina* sp10097
	Conopidae	*Smartiomyia* sp10098
	Conopidae	*Stenoconops* sp10099
	Cryptochetidae	*Cryptochetum* sp10102
	Cryptochetidae	*Cryptochetum* sp10103
	Ephydridae	*Athyroglossa* sp10113
	Ephydridae	*Atissa* sp10114
	Ephydridae	*Ceropsilopa* sp10115
	Ephydridae	*Donaceus* sp10116
	Ephydridae	*Nostima* sp10119
	Ephydridae	*Stratiothyrea* sp10123
	Ephydridae	*Zeros* sp10124
	Fergusoninidae	*Fergusonina* sp10135
	Fergusoninidae	*Fergusonina* sp10136

Group	Family	Species
	Milichiidae	*Desmometopa* sp10143
	Milichiidae	Milichiidae sp10145
	Milichiidae	Milichiidae sp10146
	Milichiidae	Milichiidae sp10147
	Milichiidae	Milichiidae sp10148
	Milichiidae	Milichiidae sp10149
	Milichiidae	Milichiidae sp10150
	Milichiidae	*Stomosis* sp10144
	Nannodastiidae	*Nannodastia* sp10261
	Paraleucopidae	Paraleucopidae sp10260
	Phoridae	*Megaselia* sp10175
	Phoridae	*Megaselia* sp10176
	Pipunculidae	*Tomosvaryella* sp10178
	Pipunculidae	*Tomosvaryella* sp10179
	Pipunculidae	*Tomosvaryella* sp10180
	Platystomatidae	*Duomyia* sp10181
	Platystomatidae	*Duomyia* sp10182
	Platystomatidae	*Rivellia* sp10183
	Platystomatidae	*Rivellia* sp10184
	Platystomatidae	*Rivellia* sp10185
	Platystomatidae	*Rivellia* sp10186
	Pyrgotidae	*Cardiacera* sp10187
	Pyrgotidae	*Cardiacera* sp10188
	Pyrgotidae	*Cardiacera* sp10189
	Scenopinidae	*Neopseudatrichia* sp10199
	Sphaeroceridae	Limosininae sp10216
	Sphaeroceridae	Limosininae sp10217
	Stratiomyidae	*Damaromyia* sp10224
	Stratiomyidae	*Odontomyia* sp10225
	Stratiomyidae	*Odontomyia* sp10226
	Tabanidae	*Dasybasis* sp10259
	Tephritidae	*Austrotephritis* sp10247
	Tephritidae	*Austrotephritis* sp10248
	Tephritidae	*Austrotephritis* sp10249
True bugs	Coreidae	Acanthocorini BBKALB-26
	Miridae	Austromirini BBKALB-38
	Miridae	Dicyphini BBKALB-55
	Miridae	Dicyphini BBKALB-82
	Miridae	*Harpagophylus* BBKALB-137
	Miridae	*Harpemiris* BBKALB-87

Group	Family	Species
	Miridae	Leucopheropterini BBKALB-100
	Miridae	*Melaleucoides* `nr uncinatae` BBKALB-78
	Miridae	*Melaleucoides* `nr verticordiae` BBKALB-154
	Miridae	*Melaleucoides* BBKALB-71
	Miridae	*Melaleucoides* Group BBKALB-130
	Miridae	*Melaleucoides* Group BBKALB-161
	Miridae	*Melaleucoides* Group BBKALB-195
	Miridae	*Melaleucoides* Group BBKALB-53
	Miridae	*Monaloniini* BBKALB-56
	Miridae	*Myrtlemiris* BBKALB-181
	Miridae	*Naranjakotta* `nr macfarlanei` BBKALB-84
	Miridae	*Naranjakotta* `nr myrtlephyla` BBKALB-64
	Miridae	*Naranjakotta* BBKALB-21
	Miridae	*Naranjakotta* BBKALB-63
	Miridae	*Naranjakotta* BBKALB-83
	Miridae	Orthotylini `Palassocoris group` BBKALB-10
	Miridae	*Palassocoris* BBKALB-209
	Miridae	*Volkelius* BBKALB-203
Lacewings	Nemopteridae	*Chasmoptera* BKALB-167
Scorpions	Urodacidae	*Urodacus* sp. nov. `megamastigus spp. group`
Spiders	Anamidae	*Kwonkan* sp. nov. `MYG906`
	Lycosidae	Lycosidae gen. nov. sp. nov. `KBB1`
Crustaceans	Chiltoniidae	Chiltoniidae undescribed genus and species RL3054
Vascular plants	Asparagaceae	*Thysanotus* sp.
	Myrtaceae	*Calytrix* sp.

Appendix C: Threatened species

List of threatened vertebrates recorded on the Nanda Country Bush Blitz

Group	Family	Species	Common name	Status
Mammals	Macropodidae	*Petrogale lateralis lateralis*	Black-flanked Rock-wallaby	Endangered (EPBC Act and BCA)
Birds	Megapodidae	*Leipoa ocellata*	Malleefowl	Vulnerable (EPBC Act and BCA)

Appendix D: Introduced species

List of introduced fauna species recorded on the Nanda Country Bush Blitz

Group	Family	Species	Common name	Comments
Mammals	Bovidae	*Capra hircus*	Goat	Adult female with 2 kids seen on edge of Kalbarri NP, along highway; heard bleating in sand dunes south of Natural Bridge, within the park
	Muridae	*Mus musculus*	House mouse	1 specimen collected in SSS2 pitfall trap
Bees	Apidae	*Apis mellifera*	Kalbarri NP, Four Ways access track at gorge	Low abundance; Kalbarri NP, Four Ways access track at gorge
Flies	Heteromyzidae	*Prosopantrum flavifrons*	na	Meanarra Hill light, low abundance; this species, originally from Chile, is also invasive in New Zealand, South Africa, and the UK; the first Australian observation was in Tasmania and it is slowly spreading; associated with coastal habitats; its impact on native ecosystems has not been measured
	Lonchaeidae	*Lamprolonchaea brouniana*	Metallic-green Tomato Fly	Multiple localities in Kalbarri NP, medium abundance; there are records on iNaturalist from Geraldton; a fruit pest
	Tephritidae	*Ceratitis capitata*	Mediterranean Fruit Fly	PCYC cabin lights, low abundance; a fruit pest however the specimen collected is likely part of an intentional controlled release of sterile males.

na Not available.

List of introduced vascular plant species recorded on the Nanda Country Bush Blitz

Family	Species	Common name	Comments
Asteraceae	*Centaurea melitensis*	Maltese Cockspur	Observed at 3 locations in Kalbarri NP; a widespread weed
Asteraceae	*Reichardia tingitana*	False Sowthistle	Single plants at Nanda Reserve and Kalbarri NP; a widespread weed
Campanulaceae	*Wahlenbergia capensis*	Cape Bluebell	Occasional at Kalbarri NP and Eurardy Reserve; a widespread weed
Convolvulaceae	*Cuscuta planiflora*	Small-seeded Dodder	Uncommon at Eurardy Reserve; naturalised weed
Gentianaceae	*Centaurium tenuiflorum*	Slender Centaury	Infrequent at Kalbarri NP; common weed
Poaceae	*Cenchrus setaceus*	Fountain Grass	Common at 1 site in Kalbarri NP; recorded from coastal areas near Perth and Geraldton; second record from Kalbarri
Poaceae	*Ehrharta longiflora*	Annual Veldt Grass	A few seen at 1 site in Kalbarri NP; a widespread weed
Poaceae	*Pentameris airoides*	False Hairgrass	Common at 1 site in Eurardy Reserve
Poaceae	*Polypogon monspeliensis*	Annual Beardgrass	2 seen at 1 site in Kalbarri NP; a widespread weed
Polygonaceae	*Rumex vesicarius*	Ruby Dock	Locally common at 1 site in Kalbarri NP, approx. 10 plants flowering
Primulaceae	*Lysimachia loeflingii* (part of the taxon listed in Florabase as *L. arvensis*)	Pimpernel	Locally common at 2 sites in Kalbarri NP; a widespread weed
Solanaceae	*Solanum nigrum*	Black Berry Nightshade	2 seen at 1 site in Kalbarri NP; a widespread weed

Glossary

Term	Definition
ALA	Atlas of Living Australia
ANIC	Australian National Insect Collection
BCA	*Biodiversity Conservation Act 2016* (WA)
DBCA	Department of Biodiversity, Conservation and Attractions (WA)
Described	A taxon that has been officially named and recognised by scientists, with details published in a scientific journal.
EPBC Act	*Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth)
Genus (plural genera)	A taxonomic category that ranks between family and species, consisting of related species (e.g. *Acacia*).
Introduced	A plant, animal, or other organism that, due to human activity, has established self-sustaining populations beyond its natural geographic range.
Lineage	A sequence of species each of which is considered to have evolved from its predecessor.
New to science	A species that, as far as can be ascertained, was not known to Western science before this Bush Blitz.
Pest species	A species that has the potential to have a negative environmental, social or economic impact.
Range extension	Increase in the known distribution or area of occurrence of a species.
SA Museum	South Australian Museum
Stygofauna	Animals that live in underground water, including crustaceans, worms, snails, insects, other invertebrate groups and, in Australia, a blind fish.
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 under Section 178 of the EPBC Act (or equivalent State legislation) in any one of the following categories – extinct, extinct in the wild, critically endangered, endangered, vulnerable, conservation dependent.
Type specimen(s) (holotype, syntypes)	The specimen (or set of specimens) on which the description and name of a new species is based.
Undescribed taxon	A taxon (usually a species or genus) that has not yet been formally described and named.
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 bryophytes (mosses, liverworts, hornworts), fungi, lichens or algae.
Vouchers (voucher specimens)	Any specimen, usually a dead animal or preserved plant sample, that serves as a basis of study and is retained as a reference.
WA Herbarium	Western Australian Herbarium
WA Museum	Western Australian Museum

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