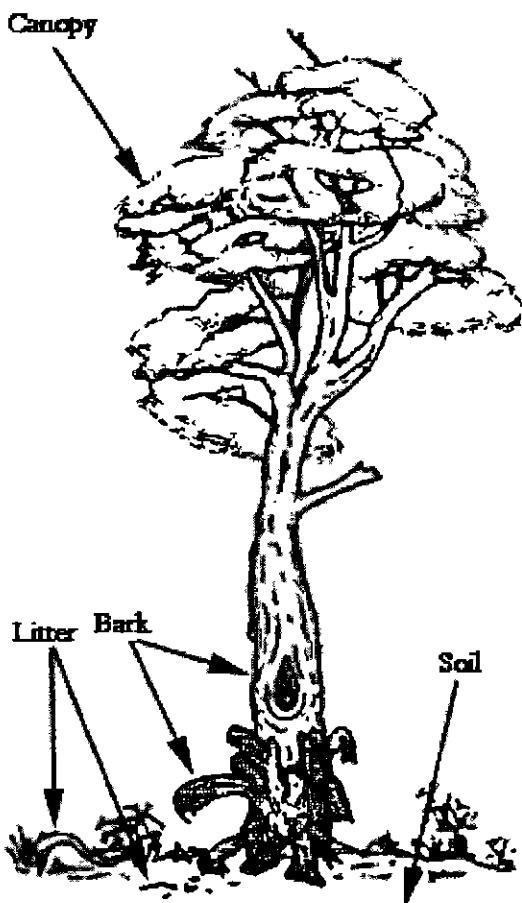


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A checklist of canopy, bark, soil and litter fauna of the
Darling Plateau and adjacent woodland near Perth,
Western Australia, with reference to the conservation of
forest and woodland fauna



B.E. Heterick, J.D. Majer, H.F. Recher and A. C. Postle

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Abstract

This paper tables and reports on pooled taxonomic data from three separate research projects involving aspects of eucalypt invertebrate ecology: canopy invertebrates in jarrah and marri forest; bark invertebrates on four eucalypt species in forest and woodland; and soil and litter fauna in jarrah and marri forest. The data support the notion of a high invertebrate biodiversity on and under southwestern eucalypts, with 1234 adult morphospecies of invertebrates being collected from the bark alone. Despite different trapping methods used in each of the three studies, we were able to find a high degree of overlap at the family level between bark and canopy fauna. (126 families were found on both bark and in the canopy representing 79.2% of 159 canopy families). Eighty identified genera were also found on both bark and canopy, which represents 46.2% of the 173 identified canopy genera. The soil and litter fauna data are not complete (a taxonomic inventory of Acarina and Formicidae is not available) but appear to be more distinctive, sharing only 24 families (= 60% of the 40 identified soil-litter families) with bark, and 17 families (= 42.5% of the soil-litter families) with the canopy. At the generic level, only seven identified genera (= 8.6% of 22 soil-litter genera) were shared between soil-litter and bark, and five genera (= 6.2% of soil-litter genera) were shared between soil-litter and the canopy.

An examination of the trophic guilds reveals that fungivores-decomposers were very diverse in soil and litter, accounting for approximately 50% of the biodiversity in these substrates. This guild was much less diverse on the canopy (21.6% of the canopy diversity) and the bark (16.9% of bark diversity). Sap-sucking organisms were more diverse in soil (13.9%) and litter (12.8%) than on the canopy (5.3%) or on bark (5.9%). The canopy result is surprising and suggests that not many invertebrate species are able to feed on the sap of southwestern eucalypts, whose sap may contain a high proportion of toxic compounds. Predators were more diverse on the canopy and on bark (19-23% of total taxa) than in soil and litter (9-9.5%), as were parasitoids (18.7% and 22.5% compared with 10.5% and 14.8%). Epiphyte grazers and phytophages were not very common ($\leq 11\%$) on any of the substrates, while representatives of other guilds or organisms whose diet was unknown accounted for less than 2.5% of the total diversity. Tourist species were not recognised among the soil and litter fauna, though they were found in the canopy and on bark and ants were not quantified for soil and litter.

A typical southwestern Australian eucalypt is thus an important host for very many invertebrates which occupy a wide range of trophic guilds. Should the system be altered, the result could be a catastrophic simplification of the invertebrate fauna presently found in eucalypt communities. Ultimately, many vertebrates and plants dependent on that invertebrate fauna for food, pollination and other processes would also disappear.

1.0 Introduction

Probably one of the major outcomes of the cooling and drying of the Australian continent that took place in the early Oligocene (about 38 mybp) was the diversification of the Myrtaceae (Cranston & Naumann 1990). Within this family in Australia, the most conspicuous representative is the genus *Eucalyptus*, with an estimated 700 species (Brooker & Kleinig 1990). Representatives of this genus are usually moderate-to-large trees and are ubiquitous in the Australian environment, except for rainforests and some desert areas (Recher *et al.* 1996). One might expect that such a significant life-form would be an important substrate for a large proportion of Australia's vertebrates and invertebrates but, while detailed analyses of the vertebrates on eucalypts have been published (Woinarski *et al.* 1997), the diversity and ecology of the invertebrate biota are yet largely unexamined in publications (Woinarski & Cullen 1984; Fensham 1994; Majer *et al.* 1994).

This survey collates invertebrate taxonomic data from four eucalypt species found in the Perth hinterland - jarrah (*Eucalyptus marginata*), marri (*Corymbia calophylla*), powderbark wandoo (*E. accedens*), and wandoo (*E. wandoo*), in particular those obtained from jarrah and marri. The research programs involved students and staff from Curtin University and Edith Cowan University. In at least two of these programs (the canopy and bark studies) ornithological investigations were also undertaken. The methodology followed throughout this bulletin is the examination of firstly, the canopy, then bark and finally, the fauna of the soil and litter. The aim of these studies is to provide a holistic picture of the biodiversity and trophic guild structure of invertebrate taxa found at various levels on a number of representatives of each of the four species of eucalypt, and in the litter and soil around their roots.

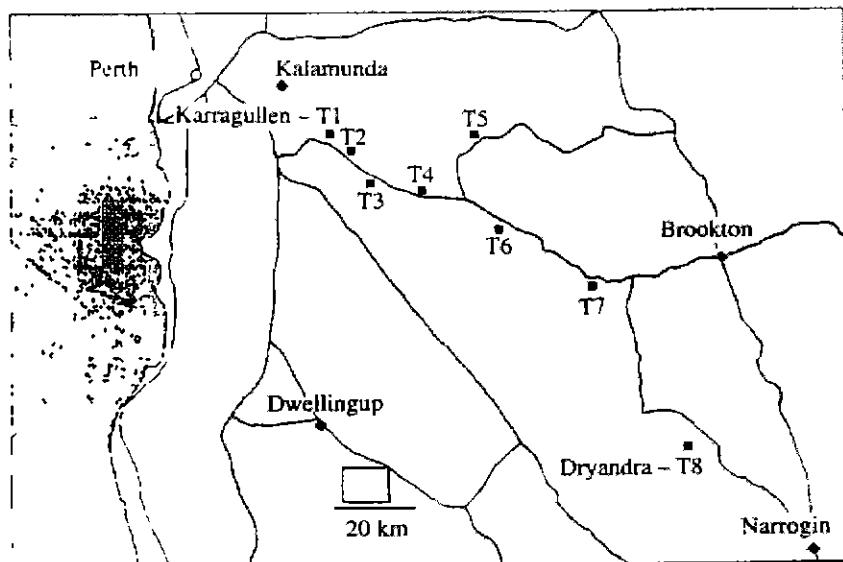
2.0 Methods

2.1 Canopy fauna

The sampling area map is shown in Fig 1a. Sampling was carried out once in each of the four seasons from April 1987 through to January 1988 at Karragullen, Western Australia, on marri and jarrah. Samples were taken from the canopy (> 7 m) of each tree species using chemical knockdown procedures. Because the study was concerned primarily with foliage-associated arthropods, no flowering trees were sampled.

Details of the procedures used and the habitats sampled are presented in Majer and Recher (1988) and Majer *et al.* (1990); Majer *et al.* (1992); and Majer *et al.* (2000). Briefly, in each season 10 trees of each species were selected for sampling. No tree was sampled more than once. Within each tree, 10 funnel-shaped nets of area 0.5m² were suspended using a cherry-picker. Nets were positioned so as not to overlap and to sample different parts of the tree canopy. The following day, the trees were sprayed using a Stihl® motorised knapsack mistblower to deliver a fast-acting pyrethrin insecticide (0.2% Karate® synergised with piperonyl butoxide). Spraying was carried out only under calm conditions during the early morning. The arthropods collected in the nets were stored in 70% ethanol until sorting commenced.

a.



b.

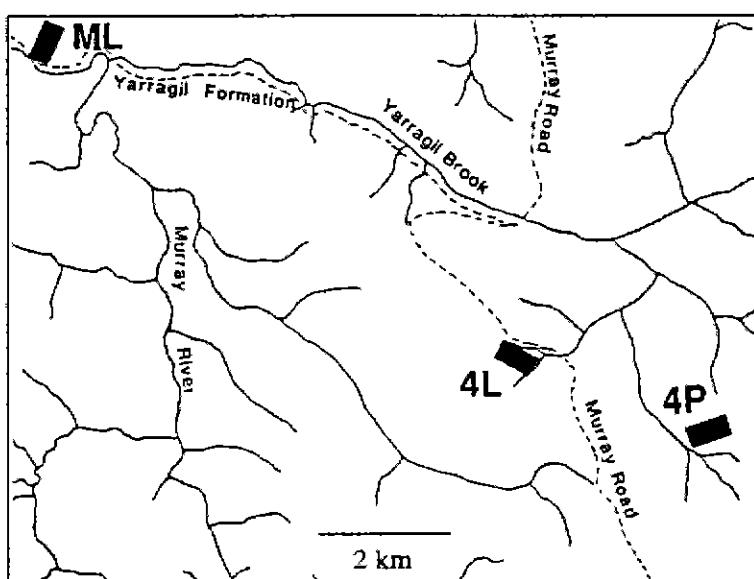


Fig. 1. Study area for (a) the canopy and bark, and (b) the soil and litter projects. The location of the latter is represented by the rectangle in (a). ML = loam sites, 4L and 4P = lateritic sites.

The samples from each of the 10 nets were combined to form the tree samples used in this analysis. Except for endopterygote larvae, which were not identified further, the arthropods from each sample period and from each of the two tree species were sorted to morphospecies level, as described by Oliver and Beattie (1996) and Longino and Colwell

(1997). With the exception of the mites, all animals were assigned to families and morphospecies. Because such a high proportion of the Australian arthropod fauna is still undescribed (Taylor 1976), a coding system was adopted to refer to individual morphospecies. The task of converting morphospecies to named species, particularly with the smaller-bodied taxa (Lawton *et al.* 1998), was too great for the scope of this study. However, selected groups were sent to specialists in order to obtain more definitive names. Because of the taxonomic complexity of dealing with large numbers of juvenile spiders and also with the extremely high richness of Hymenoptera, these two groups were only sorted for the first two seasons. Only adult arthropods are mentioned in the summary given in this paper.

The arthropods were also categorised by feeding guild following the procedures of Moran and Southwood (1982). Some guilds contained insufficient species to allow statistical analysis, and were therefore amalgamated into larger guilds.

2.2 Bark fauna

In 1998, eight study sites, each approximately 3 ha in area, were selected along a transect running southeast from Perth (Fig. 1a). The Karragullen site (T1) was located closest to Perth on the Darling Scarp, while Dryandra State Forest (T8) was located at the other end of the moisture gradient, close to Narrogin. Sites T2-T4 were distributed at approximately 10 km intervals along the Brookton Highway between Karragullen and Brookton. The distance between the remaining sites was somewhat greater (\approx 15-20 km). The five sites closest to Perth were in jarrah *Eucalyptus marginata*/marri *Corymbia calophylla* open-forest. Site T5, the last of the jarrah/marri sites, was an outlier located within wandoo *E. wandoo* and powderbark wandoo *E. accedens* woodland. Powderbark wandoo and wandoo woodlands characterised the sites from T6 through to Dryandra (T8).

Site selection was based on the availability of trees large enough to accommodate invertebrate traps and also on accessibility and fire history. All sites except T1 and T8 were located near main roads. No study site had been burnt in the two years preceding the project and no fires occurred during the study.

Ten mature trees were selected at each site in mid-1998. Marri trees were the focus of the moisture gradient investigation because this was the only tree species that occurred along the entire length of the transect. T1 and T8 were the only sites where other tree species were also sampled. Jarrah was sampled at both sites while wandoo plus powderbark wandoo were also sampled at T8.

Invertebrates were sampled using two methods: a modified arboreal bark trap (Moeed & Meads 1983) and a Perspex® intercept trap. These traps were attached to the northern side of trunks at breast height (1.5m) on large eucalypt trees. Where damage or surface irregularities rendered the bark unsuitable for attaching traps, these were placed on the first suitable surface of the trunk moving in an easterly direction around the tree. This resulted in a consistent presentation of the traps to the insect fauna, in a position least exposed to potentially damaging westerly gales.

Bark traps were nailed to the bark and were designed to sample invertebrates that were moving, or living, on the trunk. An open triangular configuration of 90 cm-long drift fences, separated by a distance of 60 cm at the lower end, was used to channel

invertebrates moving vertically up the bark into the trap's entrance. The drift fences were nailed into grooves cut into the rough bark or nailed into place on smooth barked trees. Silicone sealant was used to fill in gaps along the 40 mm high drift fences. Invertebrates caught in the trunk traps were preserved in a 50% ethylene or propylene glycol solution until traps were emptied. This solution was preferred to ethanol because it was cheap and has excellent preservative qualities in hot weather.

Intercept traps were designed to catch invertebrates attempting to land on the bark surface. Plates were placed to the left and slightly above the bark traps. A flat piece of Perspex® 130x300 mm was nailed to the trunk with a collecting tray fastened onto the bottom 30 mm with alligator clips and supported underneath by nails. The collecting vessel, which contained ethylene or propylene glycol, had small perforations halfway up the sides to allow overflow when rain occurred during sampling.

Invertebrate sampling was undertaken between October 1998 and October 1999. Sampling took place at 8-week intervals, with traps remaining active for two weeks before being cleared. Samples were transferred to 70% ethanol for subsequent sorting. The samples for spring (October-November) 1998 and winter (August) 1999 were sorted to morphospecies level. After completion of morphospecies identification, taxonomic groups were forwarded to available taxonomic specialists. Ants and some wasps were identified using local expertise. Unfortunately, at the time of writing of this paper, the faunal list is incomplete, as not all taxonomic specialists have returned material sent to them.

As with the canopy fauna, invertebrates collected from bark were categorised by feeding guild. Moran and Southwood (1982) was the main authority used for assigning guilds but Matthews (1980; 1982; 1984; 1985; 1987; 1992 and 1997) was utilized for the beetles, and CSIRO "Insects of Australia" (1990) for some other insect groups. Invertebrates were assigned to more than one guild where this was warranted (e.g., if larvae and adults have different diets or the invertebrate taxon is polyphagous).

2.3 Soil and litter fauna

The study area was distinct from that used for the previous two exercises, and was situated near Dwellingup (Fig. 1a). Within the general study area (Fig. 1b) two of the sites selected were near Yarragil Brook, in micro-catchments 4P and 4L. These sites were characterised by lateritic soils which favoured mixed jarrah and marri stands. Flooded gum (*Eucalyptus rudis*) grew here as well as jarrah and marri. Each site comprised three 40 x 20 m plots arranged at 15-40 m intervals in a transect perpendicular to the bank of the river or brook.

Between June 1980 and September 1981, soil and litter fauna were sampled every month from each of 20 stratified, randomly selected points within each plot. At each point the litter was removed from a 19 cm x 19 cm quadrat and sealed in plastic bags. Soil cores (54 mm diameter, 97 mm deep) were then taken from beneath the litter, and the soil extruded into 54 mm internal diameter plastic sleeves with a 3 mm mesh base. Both sets of samples were immediately returned to the laboratory and the soil fauna extracted using a multiple canister heat extractor (Southwood 1966) in which the temperature was raised from ambient to 40°C over a week.

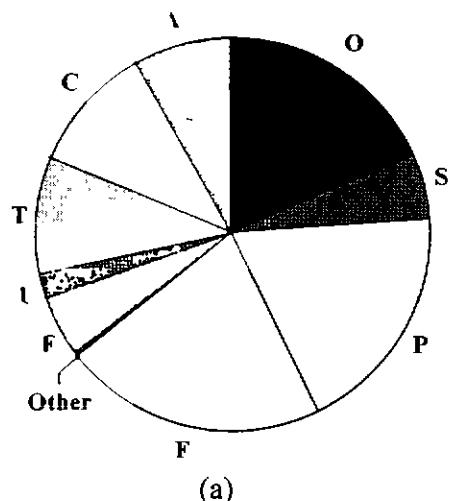
Only nine Berlese funnels were available, so the 20 replicate samples from each of the three plots at a site were bulked, mixed and placed in the funnels. Each funnel had a mesh of 43 cm x 43 cm that had a 1.2 mm x 1.6 mm hole size. This stopped small litter fragments falling into the alcohol preservative, but also prevented the passage of large litter animals. Consequently, the small mesh was surrounded by an 8.5 cm boundary of 6 mm x 6 mm mesh hole size to allow the passage of larger animals. The temperature above the litter was raised using the same regime as for the soil.

Invertebrates from the soil and litter samples were sorted and counted to class and/or order, and the data have already been presented in an unpublished thesis by Postle (1989) and in Postle *et al.* (1991). Selected taxa were sorted to morphospecies and sent to specialists for identification. Taxa were selected on the basis of their being common in the samples, the availability of taxonomists and, to a large extent, their relevance to litter decomposition. The Protura, Diplura, Orthoptera and certain Coleoptera play a role in decomposition but were not identified to species level: nor were insect larvae (which are difficult to sort to species level). In many cases the species or genera are undescribed or unknown. Trophic guilds have been assigned to the soil and litter fauna, employing the same principles used for the bark and canopy faunas.

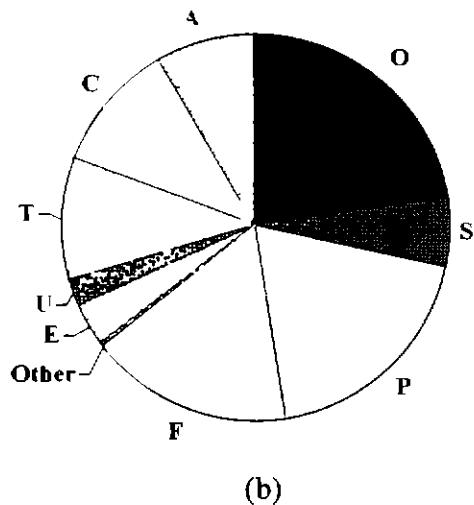
3.0 Results

The tabulated results are given in Tables 1-3 for canopy, bark and soil/litter respectively. Taxa in all tables are listed for each tree species sampled, and taxonomic categories in those same tables always include the ranks of 'Class', 'Family', 'Genus' and 'Species'. However, the reader should note that the number of families for soil and litter is an underestimate because data on Acarina at family level were not available. The data on taxa collected from jarrah and marri at Karragullen are sufficient to enable a general statement to be made concerning invertebrate species richness on eucalypts in this region. We have also made the assumption that the data on soil and litter fauna from Dwellingup are what might be expected from the same substrates at Karragullen, since the two study areas are relatively close and on approximately the same longitude. The two areas also share the similar forest tree communities and soil types. We do not discuss the invertebrate species collected on bark from trees outside of Karragullen or from soil and litter in the Murray Valley loam soil area. However, summaries of numbers of species and families are given in order to provide a record of what is present in these situations.

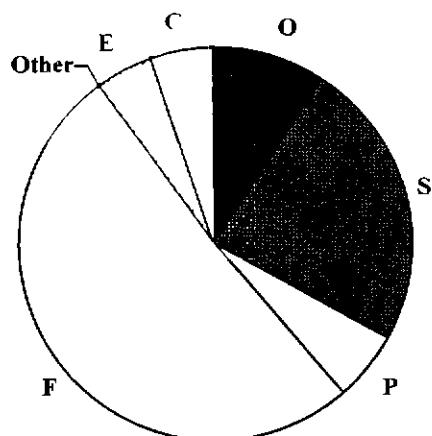
For the canopy study, 422 species in 133 invertebrate families were collected from jarrah, while 417 species from 146 invertebrate families were collected from marri. Overall, 561 species in 161 invertebrate families were collected from the canopy of both tree species at Karragullen. The Karragullen data for the bark study reveal that 313 species in 136 invertebrate families were collected from jarrah and 276 species from 121 invertebrate families were collected from marri. The overall count was 416 species in 162 invertebrate families for both species combined. Finally, the incomplete data for the soil and litter study reveal that 242 species in 37 invertebrate families were taken from lateritic soil and 222 species from 38 invertebrate families were taken from litter above this soil type. The trophic guild compositions for the four strata are shown in Fig. 2a-d and are considered further in the Discussion.



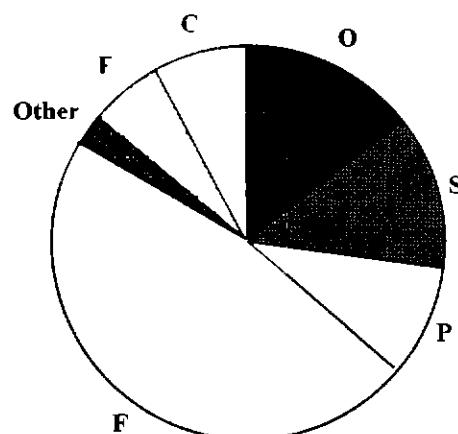
(a)



(b)



(c)



(d)

Fig. 2a-d. Profile of invertebrate trophic guilds in the four substrates mentioned in this paper. a. Canopy. b. Bark. c. Laterite. d. Litter. (Note that details of Acarina and ants (Hymenoptera) were not available for c and d.)
Abbreviations: A - Ants. C - Phytophages. E - Epiphyte grazers. F - Fungivores, scavengers and dead wood feeders. O - Parasitoids. P - Predators. S - Sap-suckers. T - Tourists. Other - Other trophic categories. U - Unknown (categories follow Moran & Southwood 1982).

4.0 Discussion

4.1 Species

The pooled data for this three-tiered survey of invertebrate fauna to be found on and under eucalypt species near Perth is far from comprehensive. In particular, information on important taxa is lacking for the soil and litter study. (For example, ants and Acarina were collected in considerable numbers from all soil and litter sites but taxonomic detail is not available.) The sampling methods were also different in each case. Moreover, the taxonomic expertise available varied with each of the studies, so that detailed treatment was often given to different taxonomic groups. However, there is clearly a degree of overlap, particularly at a higher taxonomic level, for the bark and canopy fauna. These two substrates shared 126 identified families in common - or 79.2% of the 159 families identified for the canopy - and 80 genera (46.2% of the 173 identified canopy genera). Had more specialist identifications been made, we consider it very likely that these figures would be much higher. Too few taxa were identified to species to enable a meaningful comparison between these two substrates at the level of the fundamental evolutionary unit. Nonetheless, we can reasonably assume that many relatively mobile invertebrates are likely to move up the tree trunk into the canopy and back again, depending on their need for forage. This is certainly true for ants. A huge number of ants (>100 species) were collected from the bark and many of these species are known to travel up the trunk into the canopy in search of nectar, honeydew and prey.

With regard to the available data, the fauna of the soil and litter is distinct compared with the bark and canopy fauna. At a family level 24 taxa (60.0% of the 40 identified soil-litter families) were shared between soil-litter and bark but soil-litter and canopy shared only 17 taxa (42.5% of identified soil-litter families). At the generic level very few taxa were shared by soil-litter and canopy (5 = 6.2% of 81 soil-litter genera) or soil-litter and bark (7 = 8.6%). Many of the identified soil-litter organisms are minute and specialised and not highly mobile. A good example of this is the Class Pauropoda. No less than 40 species of these minute arthropods were identified from the soil-litter, one of the richest pauropod faunas identified in the world [U. Scheller, pers. comm.]. However, only one pauropod was collected from bark and none from the canopy. The soil-litter collembolan fauna was also rich, with 47 species from 10 families and at least 38 genera represented here. This is not surprising, as most Collembola are decomposers and fungivores. Bark-dwelling Collembola were less numerous (30 species from 7 families, few identified to genus) and canopy dwelling Collembola were relatively sparse (9 species from 5 families, and approximately 7 genera). However, Acarina collected from the bark were an exception to this pattern, with many of the Endeostigmata and Prostigmata typical of soil-litter fauna rather than arboricolous fauna [H. Proctor, pers. comm.]. The bulk of these are known to be predatory or fungivorous but a reasonable proportion is also parasitic on insects in the larval stage. Some mites, such as the Uropodidae (Mesostigmata), are phoretic on insects, while other taxa may move up and down the bark surface independently.

The lack of species-level identifications makes precise comparison between the various strata difficult and any estimation of biodiversity for a typical southwest *Eucalyptus* tree must take into account the mobility of the invertebrate community. To some degree the fauna of the canopy and the trunk is interchangeable as, to a lesser extent, is that of the trunk and the surrounding soil and litter. Nonetheless, the true overall

biodiversity is very high, the bark fauna alone consisting of 1234 adult morphospecies of invertebrates (in 280 identified families and 426 identified genera). The canopy fauna was also rich, with 562 adult morphospecies of invertebrates identified (but here it must be remembered that the sampling method used is biased towards the larger specimens and those more easily dislodged from the canopy). Because of incomplete data, the size of the soil and litter fauna cannot be properly assessed here but their diversity is likely to equal, if not exceed, that of the canopy and bark. Future research should attempt to use a standardised approach for sampling all strata.

4.2 *Trophic guilds*

In order to understand the different roles played in the ecosystem by the taxa from canopy, bark, litter and soil, these taxa were placed in trophic (feeding) guilds (Fig. 2a-d). The most salient feature is the high diversity of fungivores and decomposers ($\approx 50\%$ of the total taxa) present in soil and litter. Even were Acarina and ants to be included, the proportion would probably not change substantially since many mites are fungivorous. Fungivores-decomposers were far less diverse in the canopy (21.6%) and bark (16.9%). Sap-suckers were also more prominent in the soil and litter (13.9% and 12.8%, respectively) compared with the canopy (5.3%) and bark (5.9%). On the other hand, the diversity of soil and litter predators was low ($\approx 9-9.5\%$ of the total taxa) compared with that of predators on bark and canopy ($\approx 19-23\%$). This was also true of parasitoids (10.5% and 14.8% compared with 18.7% and 22.5%). Representatives of epiphyte grazers and phytophages formed a low proportion of the taxa ($\leq 11\%$) at all levels. Tourists were not identified among the soil and litter denizens, although these were reasonably prominent among the canopy and bark faunas, and ants were not quantified for soil and litter. Representatives of other trophic guilds or organisms whose dietary habits are unknown were absent or represented only by few taxa (always $\leq 2.5\%$).

Fungivores-decomposers have an important role in the breakdown of vegetative and animal matter in the southwestern forests. These are often tiny organisms, well adapted to moving in the interstices between soil particles and closely packed debris. They are present in lesser numbers on the tree surface. What is perhaps surprising is that a greater diversity of fungivores-decomposers appears to reside in the canopy rather than on the bark (especially since there are more collembolan species on the bark than in the canopy). The relatively low richness of sap-sucking invertebrates in the canopy compared with other substrates is also surprising. However, some caution must be followed in interpreting this result, since the dietary habits of Australian pauropods (here assumed to be fungivores and sap-suckers) are not perfectly known (Harvey & Yen 1997). Of further interest is the low biodiversity (but not necessarily abundance) of phytophages at all levels, this despite the fact that Coleoptera and Lepidopteran larvae are often conspicuous and may occur in damaging numbers on eucalypts. The high level of secondary compounds, such as tannins, found in leaves and cambium in southwest Australian eucalypts, are believed by some to have selected for a relatively small suite of phytophages that are evolutionarily suited to feeding on such forage (see discussion by Landsberg & Cork 1997).

We conclude that a typical southwestern eucalypt supports a wide diversity of organisms, occupying a variety of trophic guilds. The number of species of macroscopic invertebrates to be found on and around a typical eucalypt species is certainly several thousand, possibly many more. A fragile web of interactions and interrelationships intimately connects all of these creatures and many are likely to move to and fro between

strata as part of their regular daily or seasonal rhythm. These invertebrates in turn, provide food for vertebrates or interact with them in other direct and indirect ways (such as pollinators or as ectoparasites or commensals on vertebrates). Were this system to become altered, e.g., through the advent of a polyphagous exotic invader like the red imported fire ant (*Solenopsis invicta*), there would be a catastrophic simplification of the eucalypt invertebrate fauna. Ultimately, this would also result in the loss of many native vertebrate and plant species.

The continued health of our biodiverse southwestern eucalypt woodlands depends on the sustenance of intact communities of native invertebrates belonging to a wide range of trophic guilds. However, we cannot see how the health of these plant communities can be monitored without the capacity to accurately identify arthropods and other invertebrate taxa that have the capacity to affect eucalypt growth and productivity. Aesthetic aspects must also be considered. Coleopteran and lepidopteran borers, leaf defoliators and sap-sucking Hemiptera, to name just a few groups, can cause disease and reduced yield in our forest eucalypts. The faunal richness uncovered by the studies we have discussed highlights the need for ongoing taxonomic research, and the need for authorities to provide infrastructure and funding for such research.

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NT) - Tiphidae (Thynninae) from bark; and T. Houston (Western Australian Museum) - Apoidea and Sphecoidea from bark. This work was funded by grants from the former W.A. Dieback Research Foundation (soil and litter fauna) and the Australian Research Council (canopy and bark fauna).

6.0 References

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Table 1. Invertebrate species collected from the canopy of jarrah (J) and marri (M) at Karragullen.

Class	Order	Family	Genus	Species	J	M
Arachnida	Pseudoscorpionida	Chernetidae	<i>Haplochernes</i>	sp 2	+	+
Arachnida	Araneae	Araneidae	<i>Arkys</i>	sp 37	+	+
Arachnida	Araneae	Araneidae	<i>Dolophones</i>	sp 8	+	+
Arachnida	Araneae	Araneidae	<i>Dolophones</i>	sp 33	+	+
Arachnida	Araneae	Araneidae	<i>Dolophones</i> ?	sp 42	+	+
Arachnida	Araneae	Araneidae	cf. <i>Dolophones</i>	sp 10	+	+
Arachnida	Araneae	Araneidae	cf. <i>Eriophaora</i>	sp 34	+	+
Arachnida	Araneae	Araneidae	cf. <i>Larinia</i>	sp 35	+	+
Arachnida	Araneae	Araneidae		sp 18	+	+
Arachnida	Araneae	Araneidae		sp 22	+	+
Arachnida	Araneae	Araneidae ?		sp 26	+	+
Arachnida	Araneae	Araneidae		sp 39	+	+
Arachnida	Araneae	Araneidae ?		sp 40	+	+
Arachnida	Araneae	Araneidae		sp.45	+	+
Arachnida	Araneae	Clubionidae	<i>Cheracanthium</i>	sp 20	+	+
Arachnida	Araneae	Clubionidae	<i>Clubiona</i>	sp.2	+	+
Arachnida	Araneae	Clubionidae	<i>Clubiona</i>	sp 15	+	+
Arachnida	Araneae	Clubionidae	<i>Clubiona</i>	sp 25	+	+
Arachnida	Araneae	Gnaphosidae	<i>Encopitarthria</i>	sp 6	+	+
Arachnida	Araneae	Gnaphosidae	<i>Hemicloea</i>	sp 23	+	+
Arachnida	Araneae	Hersiliidae	<i>Tamopsis</i>	sp.12	+	+
Arachnida	Araneae	Heteropodidae		sp 14	+	+
Arachnida	Araneae	Linynphidae	<i>Erigone</i>	sp 4	+	+
Arachnida	Araneae	Lycosidae		sp.41	+	+
Arachnida	Araneae	Micropalcommatidae	<i>Micropholcomma</i>	sp 3	+	+
Arachnida	Araneae	Pararchaeidae	<i>Pararchaea</i>	sp 19	+	+
Arachnida	Araneae	Salticidae	<i>Fissidens</i>	sp 11a	+	+
Arachnida	Araneae	Salticidae	<i>Holoplatys</i>	sp 31	+	+
Arachnida	Araneae	Salticidae	<i>Myrmecarachne</i>	sp 29a	+	+
Arachnida	Araneae	Salticidae	<i>Simaetha</i>	sp.38a	+	+
Arachnida	Araneae	Salticidae		sp 21	+	+
Arachnida	Araneae	Salticidae		sp 27	+	+
Arachnida	Araneae	Segestriidae	<i>Ariadna</i>	sp 28	+	+
Arachnida	Araneae	Theridiidae	<i>Euryopis</i>	sp 5	+	+
Arachnida	Araneae	Theridiidae	<i>Euryopis</i>	sp.24	+	+
Arachnida	Araneae	Theridiidae	<i>Euryopis</i>	sp 43	+	+
Arachnida	Araneae	Theridiidae	<i>Steatoda</i>	sp 44	+	+
Arachnida	Araneae	Theridiidae		sp.13	+	+
Arachnida	Araneae	Theridiidae		sp 16a	+	+
Arachnida	Araneae	Theridiidae ?		sp 17	+	+
Arachnida	Araneae	Thomisidae		sp.7	+	+
Arachnida	Araneae	Thomisidae	cf. <i>Diae</i>	sp 9	+	+
Arachnida	Araneae	Thomisidae	cf. <i>Diae</i>	sp 32	+	+
Arachnida	Araneae	Thomisidae	cf. <i>Diae</i>	sp 36	+	+
Arachnida	Araneae	Thomisidae	cf. <i>Diae</i>	sp 46	+	+
Arachnida	Araneae			sp.30	+	+
Arachnida	Araneae			sp 47	+	+
Arachnida	Araneae			sp.48	+	+
Arachnida	Araneae			sp.49	+	+
Arachnida	Acarina-Prostigmata	?Anystidae		sp 2	+	+
Arachnida	Acarina-Prostigmata	Anystidae		sp 13	+	+
Arachnida	Acarina-Prostigmata	Bdellidae		sp 15	+	+
Arachnida	Acarina-Prostigmata	Bdellidae		sp.23	+	+
Arachnida	Acarina-Prostigmata	Erythraeoidea		sp 18	+	+
Arachnida	Acarina-Prostigmata	Erythraeoidea		sp 20	+	+
Arachnida	Acarina-Prostigmata	Erythraeoidea		sp 22	+	+
Arachnida	Acarina-Oribatida	Cymbaremaeidae	<i>Scapheremaeus</i>	sp 6	+	+
Arachnida	Acarina-Oribatida	Oribatuoidea		sp 25	+	+
Arachnida	Acarina-Oribatida	Plateremaeidae	?Pherolioides	sp 3 [?sp. 11a or b]	+	+
Arachnida	Acarina-Oribatida	Plateremaeidae	<i>Pherolioides</i>	sp 11a	+	+
Arachnida	Acarina-Oribatida	Plateremaeidae	<i>Pherolioides</i>	sp.11b	+	+
Arachnida	Acarina-Oribatida	Plateremaeidae	<i>Pherolioides</i>	sp 16 [?sp. 11a or b]	+	+
Arachnida	indet			sp 4	+	+
Collembola	Collembola	Brachystomellidae		sp.1	+	+
Collembola	Collembola	Entomobryidae	<i>Drepanura</i>	sp 1	+	+
Collembola	Collembola	Entomobryidae	<i>Lepidocyrtoides</i>	sp 2	+	+
Collembola	Collembola	Entomobryidae	<i>Lepidocyrtoides</i>	sp.3	+	+
Collembola	Collembola	Entomobryidae		sp 4	+	+
Collembola	Collembola	Isotomidae	<i>Cryptopygus</i>	<i>antarcticus</i> sp. sp. 1	+	+
Collembola	Collembola	Neanuridae	<i>Pseudochorutes</i>	sp 1	+	+
Collembola	Collembola	Sminthuridae	?Sminthurinus	sp 1	+	+
Collembola	Collembola	Sminthuridae	?Polykananna	sp.2	+	+
Insecta	Thysanura	Lepismatidae		sp.1	+	+
Insecta	Blattodea	Blattellidae		sp 1	+	+
Insecta	Blattodea	Blattellidae		sp 2	+	+
Insecta	Blattodea	Blattellidae		sp.3	+	+
Insecta	Plecoptera	Gnipoptyergidae		sp.1	+	+

Table 1. (contd.)

Class	Order	Family	Genus	Species	J	M
Insecta	Isoptera	Rhynotermitidae		sp 1		+
Insecta	Mantodea	Amorphoscelidae		sp 1	+	+
Insecta	Orthoptera	Grylacrididae		sp 1	+	+
Insecta	Orthoptera	Tettigonidae		sp 1		+
Insecta	Orthoptera	Gryllidae		sp 1	+	+
Insecta	Phasmatodea	Phasmidae		sp 1		+
Insecta	Dermoptera	Pygidicranidae		sp.1	+	+
Insecta	Dermoptera	Pygidicranidae		sp.2	+	+
Insecta	Psocoptera	Lepidopsocidae	Echmepteryx	sp 1	+	+
Insecta	Psocoptera	Ectopsocidae	Ectopsocus	briggsi	+	+
Insecta	Psocoptera	Peripsocidae	Peripsocus	hamiltonae	+	+
Insecta	Psocoptera	Elipsocidae	Spilopsocus	colliensis	+	+
Insecta	Psocoptera	Philotarsidae	Aaronella	rawlingsi	+	+
Insecta	Psocoptera	Philotarsidae	Aaronella	sp.18	+	+
Insecta	Psocoptera	Philotarsidae	Aaronella	sp.19		+
Insecta	Psocoptera	Philotarsidae	Latrobiella	sp 15	+	+
Insecta	Psocoptera	Philotarsidae		sp 14	+	+
Insecta	Psocoptera	Psocidae	Piycota	hollowayi	+	+
Insecta	Psocoptera	Psocidae	Sigmotonewra	formosa	+	+
Insecta	Psocoptera	Myopsocidae	Myopsocus	australis	+	+
Insecta	Psocoptera			sp 8	+	+
Insecta	Psocoptera			sp 9	+	+
Insecta	Hemiptera	Psyllidae	Agelaeopsylla	sp 7	+	+
Insecta	Hemiptera	Psyllidae	Anoeconeossa	sp 12		+
Insecta	Hemiptera	Psyllidae	Anoeconeossa	sp 2	+	+
Insecta	Hemiptera	Psyllidae	Anoeconeossa	sp 3	+	+
Insecta	Hemiptera	Psyllidae	Blastopsylla	occidentalis	+	+
Insecta	Hemiptera	Psyllidae	Blastopsylla	sp 3a		+
Insecta	Hemiptera	Psyllidae	Blepharocasta	marginalis	+	+
Insecta	Hemiptera	Psyllidae	?Blepharocasta	sp 5	+	+
Insecta	Hemiptera	Psyllidae	Creus	sp 10	+	+
Insecta	Hemiptera	Psyllidae	Ctenarytaina	sp 11		+
Insecta	Hemiptera	Psyllidae	Glycaspus	sp 4	-	+
Insecta	Hemiptera	Psyllidae	?Phellosylla	sp 1	+	+
Insecta	Hemiptera	Psyllidae	Platyobria	sp 6	+	+
Insecta	Hemiptera	Psyllidae		sp 13		+
Insecta	Hemiptera	Psyllidae		sp 14		+
Insecta	Hemiptera	Aleyrodidae		sp 1	+	+
Insecta	Hemiptera	Aphididae	Ceriferella	dossueria	+	+
Insecta	Hemiptera	Aphididae	Myzus	persicae	+	+
Insecta	Hemiptera	Aphididae	Rhopalosiphum	padi	+	+
Insecta	Hemiptera	Margarodidae		sp 1		+
Insecta	Hemiptera	Coccoidae		sp. 1		+
Insecta	Hemiptera	Coccoidea		sp 1		+
Insecta	Hemiptera	Cercopidae		sp 1		+
Insecta	Hemiptera	Aphrophoridae		sp.1		+
Insecta	Hemiptera	Machaerotidae	Chaitophyes	vicina	+	+
Insecta	Hemiptera	Machaerotidae	Pectunariophyes	?stalli	+	+
Insecta	Hemiptera	Machaerotidae		sp 3		+
Insecta	Hemiptera	Machaerotidae		sp 4		+
Insecta	Hemiptera	Machaerotidae		sp 5		+
Insecta	Hemiptera	Machaerotidae		sp.6		+
Insecta	Hemiptera	Cicadellidae	Aneomo	nr pulcherrima	+	+
Insecta	Hemiptera	Cicadellidae	Ipoella	sp 10		+
Insecta	Hemiptera	Cicadellidae	Kahaona	pallida	+	+
Insecta	Hemiptera	Cicadellidae	Kahaona	sp 11	+	+
Insecta	Hemiptera	Cicadellidae	Putoniessa	sp.nov	+	+
Insecta	Hemiptera	Cicadellidae	Rosopaelia	galunda	+	+
Insecta	Hemiptera	Cicadellidae	Smicrocoitis	obscura	+	+
Insecta	Hemiptera	Cicadellidae	Trocnada	dorsigera	+	+
Insecta	Hemiptera	Cicadellidae		sp 3a	+	+
Insecta	Hemiptera	Cicadellidae		sp 7		+
Insecta	Hemiptera	Eurymelidae	Eurymelops	rubrovittata		+
Insecta	Hemiptera	Membracidae	Eusfairmariella	sp.1	+	+
Insecta	Hemiptera	Cixidae		sp.1		+
Insecta	Hemiptera	Achilidae		sp 1		+
Insecta	Hemiptera	Flidae	Euphanria	sp 1	+	+
Insecta	Hemiptera	Eurybrachyidae	Eurybrachys	sp.1		+
Insecta	Hemiptera	Eurybrachyidae		sp 2		+
Insecta	Hemiptera	Lophopidae		sp. 1		+
Insecta	Hemiptera	Ceratocombidae	Ceratocombus	australiensis	+	+
Insecta	Hemiptera	Anthocoridae		sp 1	+	+
Insecta	Hemiptera	Anthocoridae		sp.2		+
Insecta	Hemiptera	Miridae		sp.2		+
Insecta	Hemiptera	Miridae		sp 3		+
Insecta	Hemiptera	Miridae		sp 4	+	+
Insecta	Hemiptera	Miridae		sp.5		+
Insecta	Hemiptera	Miridae		sp 6		+
Insecta	Hemiptera	Miridae		sp 7		+
Insecta	Hemiptera	Miridae		sp 8		+
Insecta	Hemiptera	Miridae		sp 5		+

Table 1. (contd.)

Class	Order	Family	Genus	Species	J	M
Insecta	Hemiptera	Mundae		sp.6	+	
Insecta	Hemiptera	Tingidae		sp 1	+	
Insecta	Hemiptera	Tingidae		indet.		
Insecta	Hemiptera	Thaumatoconidae		sp 1	+	
Insecta	Hemiptera	Reduviidae	Piestolestes	obscurus	+	+
Insecta	Hemiptera	Reduviidae		sp 2	+	
Insecta	Hemiptera	Lygaeidae		sp 1	+	+
Insecta	Hemiptera	Alydidae		sp 1	+	
Insecta	Hemiptera	Pentatomidae	Poecilomeius	australisae	+	+
Insecta	Hemiptera	Pentatomidae	Testrica	antica	+	+
Insecta	Hemiptera	Pentatomidae		sp 3	+	
Insecta	Hemiptera	Pentatomidae		sp 4	+	+
Insecta	Hemiptera	Pentatomidae		sp.5	+	+
Insecta	Hemiptera	Pentatomidae		sp 1	+	+
Insecta	Thysanoptera	Aelothripidae		sp 2	+	
Insecta	Thysanoptera	Aelothripidae		sp 1	+	+
Insecta	Thysanoptera	Thripidae		sp.2	+	+
Insecta	Thysanoptera	Thripidae		sp 4	+	+
Insecta	Thysanoptera	Thripidae		sp 5	+	+
Insecta	Thysanoptera	Thripidae		sp 6	+	
Insecta	Thysanoptera	Thripidae		sp 7	+	+
Insecta	Thysanoptera	Phlaeothripidae		sp 1	+	+
Insecta	Thysanoptera	Phlaeothripidae		sp.2	+	+
Insecta	Thysanoptera	Phlaeothripidae		sp.3	+	+
Insecta	Thysanoptera	Phlaeothripidae		sp 4	+	
Insecta	Thysanoptera	Phlaeothripidae		sp 5	+	
Insecta	Neuroptera	Comopterygidae		sp 1	+	+
Insecta	Neuroptera	Mantispidae		sp 1	+	
Insecta	Neuroptera	Hemerobiidae		sp 1	+	+
Insecta	Neuroptera	Chrysopidae		sp.1	+	+
Insecta	Coleoptera	Carabidae	Agonocheila	sp.3	+	+
Insecta	Coleoptera	Carabidae	Amblytelus	leai	+	+
Insecta	Coleoptera	Carabidae	Tachys	sp.2	+	+
Insecta	Coleoptera	Carabidae		sp.4	+	
Insecta	Coleoptera	Histeridae	Gnathoncus	rotundatus	+	
Insecta	Coleoptera	Histeridae		sp 2	+	
Insecta	Coleoptera	Leridae		indet	+	
Insecta	Coleoptera	Scydmaenidae		indet		
Insecta	Coleoptera	Scydmaenidae				
Insecta	Coleoptera	Staphylinidae	Pseudophloeocharis	sp 1	+	+
Insecta	Coleoptera	Staphylinidae		sp.2	+	+
Insecta	Coleoptera	Staphylinidae		sp 3	+	
Insecta	Coleoptera	Staphylinidae		sp 4	+	
Insecta	Coleoptera	Pselaphidae	Eupines	indistincta sp	+	+
Insecta	Coleoptera	Pselaphidae	Euplectina	sp.2	+	+
Insecta	Coleoptera	Scarabaeidae	Aphodius	frenchu		
Insecta	Coleoptera	Scarabaeidae	Haplopus	punctata	+	
Insecta	Coleoptera	Scarabaeidae	Heteronyx	sp.3		
Insecta	Coleoptera	Scarabaeidae	Heteronyx	sp 4	+	
Insecta	Coleoptera	Scarabaeidae		sp.5	+	
Insecta	Coleoptera	Scarabaeidae		sp.6	+	
Insecta	Coleoptera	Scarabaeidae		sp.7	+	+
Insecta	Coleoptera	Dascillidae		sp 1	+	+
Insecta	Coleoptera	Dascillidae		sp 2	+	+
Insecta	Coleoptera	Buprestidae	Anilara	longicollis		
Insecta	Coleoptera	Buprestidae				
Insecta	Coleoptera	Buprestidae	Melobasis		+	
Insecta	Coleoptera	Cantharidae		sp 1	+	
Insecta	Coleoptera	Cantharidae		sp 2	+	
Insecta	Coleoptera	Dermestidae	Orphilus	sp 1	+	+
Insecta	Coleoptera	Dermestidae		sp 2	+	
Insecta	Coleoptera	Anobiidae	Dorcanoma	sp 2	+	+
Insecta	Coleoptera	Anobiidae	Dryophilodes	sp.1	+	+
Insecta	Coleoptera	Anobiidae		sp 3	+	+
Insecta	Coleoptera	Clendae	Eleale	sp 1		
Insecta	Coleoptera	Clendae		sp.2	+	
Insecta	Coleoptera	Cleridae		sp 3	+	
Insecta	Coleoptera	Clendae		sp 4	+	
Insecta	Coleoptera	Clendae		sp 5	+	+
Insecta	Coleoptera	Nitidulidae	Amlearcha	sp 1	+	+
Insecta	Coleoptera	Nitidulidae		sp 2	+	
Insecta	Coleoptera	Silvanidae	Cryptamorpha	blackburni	+	+
Insecta	Coleoptera	Cucujidae		sp 1	+	
Insecta	Coleoptera	Cryptophagidae		sp 1	+	+
Insecta	Coleoptera	Endomychidae		sp 1	+	
Insecta	Coleoptera	Coccinellidae	Diamus	sp 4	+	+
Insecta	Coleoptera	Coccinellidae	?Nephus	sp 1	+	+
Insecta	Coleoptera	Coccinellidae	?Nephus	sp 2	+	+
Insecta	Coleoptera	Coccinellidae		sp 2a	+	+
Insecta	Coleoptera	Coccinellidae		sp 3	+	+
Insecta	Coleoptera	Coccinellidae		sp 5	+	

Table 1. (contd.)

Class	Order	Family	Genus	Species	J	M
Insecta	Coleoptera	Coccinellidae		sp 6	+	
Insecta	Coleoptera	Coccinellidae		sp.7	+	+
Insecta	Coleoptera	Coccinellidae		sp 8		+
Insecta	Coleoptera	Corylophidae	<i>Sacum</i>	sp 1	+	+
Insecta	Coleoptera	Lathrididae	<i>Aridius</i>	sp 1	+	+
Insecta	Coleoptera	Lathrididae	<i>Corticaria</i>	sp.2	+	+
Insecta	Coleoptera	Lathrididae	<i>Corticaria</i>	sp.3	+	+
Insecta	Coleoptera	Ciidae	<i>'Orthocis</i>	sp.1	+	+
Insecta	Coleoptera	Melandryidae		sp 1	+	+
Insecta	Coleoptera	Zopheridae	<i>Docilis</i>	<i>elongatus</i>	+	+
Insecta	Coleoptera	Tenebrionidae	<i>Amarygmus</i>	sp 1	+	
Insecta	Coleoptera	Tenebrionidae	<i>Homotrysis</i>	sp 1		+
Insecta	Coleoptera	Tenebrionidae	(Alleculinae)	sp 2	+	+
Insecta	Coleoptera	Tenebrionidae	(Alleculidae)	sp 3		+
Insecta	Coleoptera	Tenebrionidae		sp.2	+	
Insecta	Coleoptera	Oedemeridae		sp 1	+	
Insecta	Coleoptera	Aderidae		sp 1		+
Insecta	Coleoptera	Aderidae		indet		+
Insecta	Coleoptera	Scaphidiidae	<i>Scriptia</i>	sp 1	+	+
Insecta	Coleoptera	Pythidae		sp 1		+
Insecta	Coleoptera	Cerambycidae		<i>excrementarius</i>		+
Insecta	Coleoptera	Chrysomelidae	<i>Cadmus</i>	<i>chlamydipennis</i>		+
Insecta	Coleoptera	Chrysomelidae	<i>Cyphodera</i>			+
Insecta	Coleoptera	Chrysomelidae	<i>Diropodus</i>	sp 2	+	+
Insecta	Coleoptera	Chrysomelidae	<i>Diropodus</i>	sp.8	+	
Insecta	Coleoptera	Chrysomelidae	<i>Paropsis</i>	sp 5	+	+
Insecta	Coleoptera	Chrysomelidae	<i>Tomyris</i>	sp 1	+	+
Insecta	Coleoptera	Chrysomelidae	<i>Trachymela</i>	sp 4	+	+
Insecta	Coleoptera	Chrysomelidae		sp 3		+
Insecta	Coleoptera	Chrysomelidae		sp 9	+	
Insecta	Coleoptera	Chrysomelidae		sp 10	+	+
Insecta	Coleoptera	Chrysomelidae		sp 11	+	+
Insecta	Coleoptera	Chrysomelidae		sp 12		+
Insecta	Coleoptera	Bethylidae		sp 1		+
Insecta	Coleoptera	Attelabidae		sp 1	+	
Insecta	Coleoptera	Attelabidae		sp 2	+	+
Insecta	Coleoptera	Curculionidae	<i>Adelognatha</i>	sp.'A' (sp 11)	+	+
Insecta	Coleoptera	Curculionidae	<i>Adelognatha</i>	sp.'D' (sp 8)	+	+
Insecta	Coleoptera	Curculionidae	<i>Adelognatha</i>	sp 'E' (sp. 7)	+	+
Insecta	Coleoptera	Curculionidae	<i>Chaetocetorius</i>	sp 'A' (sp 6)	+	
Insecta	Coleoptera	Curculionidae	<i>Cryptoplus</i>	sp.'A' (sp 1)	+	+
Insecta	Coleoptera	Curculionidae	<i>Gomipterus</i>	sp.'A' (sp. 5)	+	+
Insecta	Coleoptera	Curculionidae	<i>Mesophrince</i>	sp 'C' (sp. 4)	+	+
Insecta	Coleoptera	Curculionidae	<i>Saccobaeus</i>	sp 'A' (sp 15)		+
Insecta	Coleoptera	Curculionidae	<i>Syarbius</i>	sp 'A' (sp 14)		+
Insecta	Coleoptera	Curculionidae		sp.1a	+	+
Insecta	Coleoptera	Curculionidae		sp 2	+	+
Insecta	Coleoptera	Curculionidae		sp 2a	+	+
Insecta	Coleoptera	Curculionidae		sp 2b	+	+
Insecta	Coleoptera	Curculionidae		sp.2c	+	
Insecta	Coleoptera	Curculionidae		sp.3	+	+
Insecta	Coleoptera	Curculionidae		sp.3a	+	
Insecta	Coleoptera	Curculionidae		sp 9	+	+
Insecta	Coleoptera	Curculionidae		sp.10	+	
Insecta	Coleoptera	Curculionidae		sp 12	+	+
Insecta	Coleoptera	Curculionidae		sp.13		+
Insecta	Coleoptera	Curculionidae		sp.18	+	+
Insecta	Coleoptera	Curculionidae		sp 21	+	+
Insecta	Coleoptera	Curculionidae		sp.22	+	
Insecta	Coleoptera	Curculionidae		sp 23	+	+
Insecta	Coleoptera	Curculionidae		sp.24	+	
Insecta	Coleoptera	Curculionidae		sp.25	+	+
Insecta	Coleoptera	Curculionidae		sp.26	+	+
Insecta	Coleoptera	Curculionidae		sp 27	+	+
Insecta	Coleoptera	Curculionidae		sp 28	+	+
Insecta	Coleoptera	Curculionidae		sp 29		+
Insecta	Coleoptera	Curculionidae		sp 30		+
Insecta	Coleoptera	Curculionidae		sp.31		+
Insecta	Coleoptera	Circubonidae		sp 32		+
Insecta	Coleoptera	indet.		sp 1	+	+
Insecta	Coleoptera	indet.		sp.2	+	
Insecta	Diptera	Triplidae	<i>Lepiotarsus</i>	sp.1	+	+
Insecta	Diptera	Chironomidae	<i>Conochironomus</i>	sp.7		+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp.'5' (sp 1)	+	+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp.'6' (sp. 2)	+	+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp.'7' (sp 3)	+	+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp '8' (sp 10)	+	+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp.'?' (sp. 4)	+	+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp.'?' (sp 8)	+	+
Insecta	Diptera	Chironomidae	(Orthocladiinae)	sp.'?' (sp. 12)		+
Insecta	Diptera	Chironomidae		sp 5		+

Table 1. (contd.)

Class	Order	Family	Genus	Species	J	M
Insecta	Diptera	Chironomidae		sp 11		+
Insecta	Diptera	Chironomidae		indet.	+	+
Insecta	Diptera	Ceratopogonidae		sp 1	+	+
Insecta	Diptera	Ceratopogonidae		sp 2	+	+
Insecta	Diptera	Ceratopogonidae		sp 3	+	
Insecta	Diptera	Ceratopogonidae		sp 4	+	
Insecta	Diptera	Ceratopogonidae		sp 5		+
Insecta	Diptera	Ceratopogonidae		sp 6		+
Insecta	Diptera	Ceratopogonidae		sp 7		+
Insecta	Diptera	Simuliidae		sp 1		+
Insecta	Diptera	Anisopodidae		sp 1		+
Insecta	Diptera	Scatopsidae		sp 1	+	
Insecta	Diptera	Psychodidae		sp 1	+	+
Insecta	Diptera	Cecidomyiidae		sp.1	+	+
Insecta	Diptera	Cecidomyiidae		sp 2		+
Insecta	Diptera	Cecidomyiidae		sp.3		+
Insecta	Diptera	Cecidomyiidae		sp 4		+
Insecta	Diptera	Sciidae		sp 1	+	+
Insecta	Diptera	Sciaridae		sp 2	+	+
Insecta	Diptera	Sciaridae		sp 3	+	+
Insecta	Diptera	Sciaridae		sp.4		+
Insecta	Diptera	Sciaridae		sp 5		+
Insecta	Diptera	Sciaridae		sp 6	+	+
Insecta	Diptera	Mycetophilidae		sp 1		+
Insecta	Diptera	Mycetophilidae		sp 2		+
Insecta	Diptera	Mycetophilidae		sp 3	+	+
Insecta	Diptera	Mycetophilidae		sp 4		+
Insecta	Diptera	Mycetophilidae		sp 5	+	+
Insecta	Diptera	Mycetophilidae		sp.6		+
Insecta	Diptera	Therevidae		sp.1		+
Insecta	Diptera	Therevidae		sp 2		+
Insecta	Diptera	Bombyliidae	<i>Compsozia</i>	sp 1		+
Insecta	Diptera	Empididae	<i>Empis</i>	sp '1' (sp 14)	+	+
Insecta	Diptera	Empididae	(Empidini)	sp.'1' (sp. 7,8,10,12)	+	+
Insecta	Diptera	Empididae	(Empidini)	sp.'2' (sp. 9)	+	+
Insecta	Diptera	Empididae	(Empidini)	sp '3' (sp. 11)	+	+
Insecta	Diptera	Empididae	(Ocydromini)	sp.'2' (sp. 6)	+	+
Insecta	Diptera	Empididae	(Ocydromini)	sp '3' (sp. 5)	+	
Insecta	Diptera	Empididae	(Ocydromini)	sp.'4' (sp. 2)	+	+
Insecta	Diptera	Empididae	(Ocydromini)	sp '5' (sp. 3)		+
Insecta	Diptera	Empididae	(Ocydromini)	sp '6' (sp. 1)	+	+
Insecta	Diptera	Empididae	(Ocydromini)	sp 'C' (sp. 13,15)	+	
Insecta	Diptera	Dolichopodidae	<i>Chrysotimus</i>	sp '1' (sp. 2,16)	+	+
Insecta	Diptera	Dolichopodidae		sp 1	+	+
Insecta	Diptera	Phoridae		sp 1	+	+
Insecta	Diptera	Phoridae		sp.2	+	+
Insecta	Diptera	Phoridae		sp 3		+
Insecta	Diptera	Pipunculidae	<i>Pipunculus</i>	sp 1	+	
Insecta	Diptera	Syrphidae		sp 1	+	+
Insecta	Diptera	Syrphidae		sp 2	+	+
Insecta	Diptera	Sepsidae		sp 1		+
Insecta	Diptera	Chamaemyiidae		sp 1		+
Insecta	Diptera	Chamaemyiidae		sp 2		+
Insecta	Diptera	Lauxaniidae		sp 1	+	+
Insecta	Diptera	Lauxaniidae		sp.2	+	+
Insecta	Diptera	Lauxaniidae		sp 3		+
Insecta	Diptera	Heleomyzidae		sp.1		+
Insecta	Diptera	Fergusoninidae		sp 1	+	+
Insecta	Diptera	Ephydriidae		sp 1		+
Insecta	Diptera	Ephydriidae		sp 2		+
Insecta	Diptera	Drosophilidae	<i>Drosophila</i>	sp.1	+	+
Insecta	Diptera	Drosophilidae	<i>Drosophila</i>	sp.2	+	+
Insecta	Diptera	Drosophilidae		sp.6		+
Insecta	Diptera	Milichiidae		sp 1		+
Insecta	Diptera	Milichiidae		sp 2		+
Insecta	Diptera	Chloropidae	<i>Tricimba</i>	sp 7	+	+
Insecta	Diptera	Chloropidae		sp 1	+	+
Insecta	Diptera	Chloropidae		sp 2	+	+
Insecta	Diptera	Chloropidae		sp 3	+	+
Insecta	Diptera	Chloropidae		sp 4	+	+
Insecta	Diptera	Chloropidae		sp.5		+
Insecta	Diptera	Chloropidae		sp 6	+	+
Insecta	Diptera	Chloropidae		sp 8	+	
Insecta	Diptera	Chloropidae		sp 9	+	
Insecta	Diptera	Chloropidae		sp 10		+
Insecta	Diptera	Chloropidae		sp 12	+	
Insecta	Diptera	Chloropidae		sp.13	+	+
Insecta	Diptera	Chloropidae		sp 14		+
Insecta	Diptera	Chloropidae		sp.15		+
Insecta	Diptera	Muscidae		sp 2		+
Insecta	Diptera	Muscidae		sp 3		+

Table 1. (contd.)

Class	Order	Family	Genus	Species	J	M
Insecta	Diptera	Calliphoridae		sp 1	+	
Insecta	Diptera	Tachinidae	<i>Anagomia</i>	<i>angulivenans</i>	+	
Insecta	Diptera	Tachinidae		sp.2	+	
Insecta	Lepidoptera	Oecophoridae		sp. 1	+	
Insecta	Hymenoptera	Ceraphronidae	<i>Aphanognathus</i>	sp '3' (sp. 29)	+	+
Insecta	Hymenoptera	Ceraphronidae	<i>Aphanognathus</i>	sp '1' (sp. 35)	+	+
Insecta	Hymenoptera	Ceraphronidae	<i>Aphanognathus</i>	sp.57	+	+
Insecta	Hymenoptera	Ceraphronidae		sp 1	+	
Insecta	Hymenoptera	Megaspilidae	<i>Conosugnthus</i>	sp.75	+	+
Insecta	Hymenoptera	Braconidae		sp.12	+	
Insecta	Hymenoptera	Braconidae		sp.12a	+	
Insecta	Hymenoptera	Braconidae		sp.18	+	+
Insecta	Hymenoptera	Braconidae		sp.31	+	
Insecta	Hymenoptera	Braconidae		sp.32	+	+
Insecta	Hymenoptera	Braconidae		sp.32a	+	+
Insecta	Hymenoptera	Braconidae		sp.45	+	
Insecta	Hymenoptera	Braconidae		sp.46	+	-
Insecta	Hymenoptera	Braconidae		sp.60	+	
Insecta	Hymenoptera	Braconidae		sp.80	+	+
Insecta	Hymenoptera	Braconidae		sp.87	+	
Insecta	Hymenoptera	Braconidae		sp.88	+	
Insecta	Hymenoptera	Braconidae		sp.100	+	
Insecta	Hymenoptera	Platygastridae	<i>Aphanomerus</i>	sp.15	+	+
Insecta	Hymenoptera	Platygastridae	<i>Fidobia</i>	sp.69	+	
Insecta	Hymenoptera	Platygastridae	<i>Inostemma</i>	sp '2' (sp. 23)	+	
Insecta	Hymenoptera	Platygastridae		sp.14	+	+
Insecta	Hymenoptera	Platygastridae		sp.48	+	+
Insecta	Hymenoptera	Scelionidae	<i>Ceratobaeus</i>	sp.37	+	+
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp.25	+	+
Insecta	Hymenoptera	Scelionidae	<i>Trissolcus</i>	sp.130	+	
Insecta	Hymenoptera	Figidae	<i>Anacharis</i>	sp.89	+	
Insecta	Hymenoptera	Chalcididae	<i>Stenivreia</i>	sp.'1' (sp. 110)	+	+
Insecta	Hymenoptera	Chalcididae	<i>Stenivreia</i>	sp.'2' (sp. 121)	+	
Insecta	Hymenoptera	Eurytomidae	<i>Bruchophagus</i>	sp.61	+	+
Insecta	Hymenoptera	Eurytomidae	<i>Ausystole</i>	sp.93	+	
Insecta	Hymenoptera	Eurytomidae	<i>Eurytoma</i>	sp.126	+	
Insecta	Hymenoptera	Torymidae	<i>Booianomyia</i>	sp.11	+	+
Insecta	Hymenoptera	Torymidae	? <i>Booianomyia</i>	sp.20	+	+
Insecta	Hymenoptera	Torymidae	<i>Megastigmus</i>	sp.'3' (sp. 101)	+	
Insecta	Hymenoptera	Torymidae	<i>Torymoides</i>	sp.19	+	+
Insecta	Hymenoptera	Pteromalidae	<i>Chromeurytoma</i>	sp.'P4' (sp. 28)	+	
Insecta	Hymenoptera	Pteromalidae	<i>Cleonymus</i>	sp.128	+	
Insecta	Hymenoptera	Pteromalidae	<i>Eupalmaphotismus</i>	sp.72	+	
Insecta	Hymenoptera	Pteromalidae	? <i>Macroglenes</i>	sp.53	+	
Insecta	Hymenoptera	Pteromalidae	<i>Ophelista</i>	sp.'2' (sp. 13)	+	+
Insecta	Hymenoptera	Pteromalidae	<i>Parepistemia</i>	sp.'17' (sp. 74)	+	
Insecta	Hymenoptera	Pteromalidae	<i>Parepistemia</i>	sp.39	+	+
Insecta	Hymenoptera	Pteromalidae	<i>Pseudanogmus</i>	sp.55? (sp. 70)	+	
Insecta	Hymenoptera	Pteromalidae	<i>Pseudanogmus</i>	sp.55	+	+
Insecta	Hymenoptera	Pteromalidae		sp.4	+	
Insecta	Hymenoptera	Pteromalidae		sp.43	+	+
Insecta	Hymenoptera	Pteromalidae		sp.44	+	+
Insecta	Hymenoptera	Pteromalidae		sp.47	+	+
Insecta	Hymenoptera	Pteromalidae		sp.49	+	+
Insecta	Hymenoptera	Pteromalidae		sp.63	+	
Insecta	Hymenoptera	Pteromalidae		sp.104	+	
Insecta	Hymenoptera	Eupelmidae	<i>Brasema</i>	sp.122	+	+
Insecta	Hymenoptera	Eupelmidae	<i>Calosota</i>	sp.109	+	
Insecta	Hymenoptera	Eupelmidae	<i>Tineobius</i>	sp.10	+	+
Insecta	Hymenoptera	Eupelmidae		sp.71	+	+
Insecta	Hymenoptera	Encyrtidae	<i>Baeoanusia</i>	sp.16	+	+
Insecta	Hymenoptera	Encyrtidae	<i>Psyllaephagus</i>	sp.123	+	+
Insecta	Hymenoptera	Encyrtidae		sp.3	+	+
Insecta	Hymenoptera	Encyrtidae		sp.17	+	+
Insecta	Hymenoptera	Encyrtidae		sp.38	+	+
Insecta	Hymenoptera	Encyrtidae		sp.50	+	+
Insecta	Hymenoptera	Encyrtidae		sp.54	+	
Insecta	Hymenoptera	Encyrtidae		sp.65	+	+
Insecta	Hymenoptera	Encyrtidae		sp.67	+	
Insecta	Hymenoptera	Encyrtidae		sp.83	+	
Insecta	Hymenoptera	Encyrtidae		sp.99	+	+
Insecta	Hymenoptera	Encyrtidae		sp.105	+	
Insecta	Hymenoptera	Encyrtidae		sp.112	+	+
Insecta	Hymenoptera	Encyrtidae		sp.115	+	
Insecta	Hymenoptera	Encyrtidae		sp.117	+	
Insecta	Hymenoptera	Encyrtidae		sp.127	+	
Insecta	Hymenoptera	Aphelinidae		sp.1	+	
Insecta	Hymenoptera	Aphelinidae		sp.2	+	+
Insecta	Hymenoptera	Aphelinidae		sp.7	+	+
Insecta	Hymenoptera	Aphelinidae		sp.22	+	
Insecta	Hymenoptera	Aphelinidae		sp.52	+	+

Table 1. (contd.)

Class	Order	Family	Genus	Species	J	M
Insecta	Hymenoptera	Aphelinidae		sp.56	+	+
Insecta	Hymenoptera	Aphelinidae		sp.58	+	+
Insecta	Hymenoptera	Aphelinidae		sp.76	+	
Insecta	Hymenoptera	Aphelinidae		sp.95		+
Insecta	Hymenoptera	Aphelinidae		sp.113	+	+
Insecta	Hymenoptera	Syphoridae	<i>Thysanus</i>	sp.8	+	+
Insecta	Hymenoptera	Eulophidae	<i>Cirrospilus</i>	sp.'2' (sp.111)		+
Insecta	Hymenoptera	Eulophidae	<i>Cirrospilus</i>	sp.'3' (sp.64)	+	
Insecta	Hymenoptera	Eulophidae	<i>Elachertus</i>	sp.41	+	
Insecta	Hymenoptera	Eulophidae	<i>Entedon</i>	sp.'1' (sp.94)		+
Insecta	Hymenoptera	Eulophidae	<i>Entedon</i>	sp.'2' (sp.86)		+
Insecta	Hymenoptera	Eulophidae	<i>Euderus</i>	sp.98		+
Insecta	Hymenoptera	Eulophidae	<i>Euplectrus</i>	sp.62	+	+
Insecta	Hymenoptera	Eulophidae	<i>Ophelimus</i>	sp.'3' (sp.118)		+
Insecta	Hymenoptera	Eulophidae	<i>Pediobius</i>	sp.102		+
Insecta	Hymenoptera	Eulophidae	<i>Quadrastichodella</i>	sp.129	+	
Insecta	Hymenoptera	Eulophidae		sp.1	+	+
Insecta	Hymenoptera	Eulophidae		sp.5	+	+
Insecta	Hymenoptera	Eulophidae		sp.6	+	+
Insecta	Hymenoptera	Eulophidae		sp.9	+	+
Insecta	Hymenoptera	Eulophidae		sp.21	+	+
Insecta	Hymenoptera	Eulophidae		sp.26	+	+
Insecta	Hymenoptera	Eulophidae		sp.27	+	+
Insecta	Hymenoptera	Eulophidae		sp.33	+	
Insecta	Hymenoptera	Eulophidae		sp.36	+	+
Insecta	Hymenoptera	Eulophidae		sp.51	+	+
Insecta	Hymenoptera	Eulophidae		sp.66	+	
Insecta	Hymenoptera	Eulophidae		sp.68	+	
Insecta	Hymenoptera	Eulophidae		sp.78	+	
Insecta	Hymenoptera	Eulophidae		sp.81	+	
Insecta	Hymenoptera	Eulophidae		sp.82	+	
Insecta	Hymenoptera	Eulophidae		sp.84		+
Insecta	Hymenoptera	Eulophidae		sp.85		+
Insecta	Hymenoptera	Eulophidae		sp.119	+	
Insecta	Hymenoptera	Eulophidae		sp.120	+	+
Insecta	Hymenoptera	Myrmidae		sp.106	+	
Insecta	Hymenoptera	Myrmidae		sp.107		+
Insecta	Hymenoptera	Bethylidae	<i>Cephalonomyia</i>	sp.42	+	+
Insecta	Hymenoptera	Bethylidae	<i>Goniozus</i>	sp.'2' (sp.108)		+
Insecta	Hymenoptera	Bethylidae	<i>Rhabdepyris</i>	sp.'1' (sp.77)	+	+
Insecta	Hymenoptera	Bethylidae	<i>Rhabdepyris</i>	sp.'2' (sp.40)	+	+
Insecta	Hymenoptera	Bethylidae	<i>Rhabdepyris</i>	sp.30	+	+
Insecta	Hymenoptera	Bethylidae	<i>Sierola</i>	sp.'3' (sp.24)	+	+
Insecta	Hymenoptera	Bethylidae		sp.59	+	
Insecta	Hymenoptera	Bethylidae		sp.91		+
Insecta	Hymenoptera	Bethylidae		sp.125		+
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.1	+	+
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.2	+	+
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.3	+	
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.4	+	+
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.5	+	+
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	sp.6	+	
Insecta	Hymenoptera	Formicidae	<i>Crematogaster</i>	sp.1	+	+
Insecta	Hymenoptera	Formicidae	<i>Crematogaster</i>	sp.2		+
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	<i>conifer</i>	+	
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	sp.1	+	+
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	sp.2	+	+
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	sp.3	+	+
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	sp.4		+
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	sp.7	+	
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	sp.1	+	
Insecta	Hymenoptera	Formicidae	<i>Meranoplus</i>	sp.1	+	
Insecta	Hymenoptera	Formicidae	<i>Monomorium</i>	sp.1	+	
Insecta	Hymenoptera	Formicidae	<i>Myrmecia</i>	sp.1	+	+
Insecta	Hymenoptera	Formicidae	<i>Myrmecia</i>	sp.2	+	
Insecta	Hymenoptera	Formicidae	<i>Ochetellus</i>	<i>glaber</i>		+
Insecta	Hymenoptera	Formicidae	<i>Podomyrma</i>	sp.1	+	
Insecta	Hymenoptera	Formicidae	<i>Podomyrma</i>	sp.2	+	
Insecta	Hymenoptera	Formicidae	<i>Podomyrma</i>	sp.3	+	
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	sp.1		+
Insecta	Hymenoptera	Formicidae	<i>Tapinoma</i>	sp.1		+
Insecta	Hymenoptera	Sphecidae	<i>Nitela</i>	sp.34	+	+
Insecta	Hymenoptera	Sphecidae	<i>Rhopalum</i>	sp.114		+
Insecta	Hymenoptera	Colletidae		sp.90		+
Insecta	Hymenoptera	Apidae	<i>Apis</i>	<i>mellifera</i>	+	+
Insecta	Hymenoptera	Apidae	<i>Exoneura</i>	sp.79	+	
Insecta	Hymenoptera	Apidae		sp.97		+
Insecta	Hymenoptera			sp.92		+
Insecta	Hymenoptera			sp.131		+
Insecta	Hymenoptera			sp.132		+
Insecta					422	417
Total species					133	146
Total families					561	
Total species overall						161
Total families overall						

Table 2. Invertebrate species collected from bark of jarrah ("J"), marri ("M"), powderbark wandoo ("P") and wandoo ("W") along a west-east transect between Karragullen and Dryandra.

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karaquallen		W-E Transect					Dryandra				
					J1	VII	M2	M3	M4	M5	M6	M7	M8	J8	PW3	W8
Arachnida	Araeida	Thomisidae		sp 2											+	
Arachnida	Araeida	Thomisidae		sp 3												
Arachnida	Araeida	Zodariidae		sp 1			+								+	
Arachnida	Araeida	Zodidae		sp 1												
Arachnida	Opiliones	Mesalopsidae		sp 1			+	+	+	+	+				+	
Arachnida	Mesostigmata	Ameroseiidae		sp 1		+										+
Arachnida	Mesostigmata	Ascidae	Asca	sp 1												
Arachnida	Mesostigmata	Ascidae	Cheroceius	sp 1												
Arachnida	Mesostigmata	Ascidae	Iphidozercon	sp 1												
Arachnida	Mesostigmata	Laeliidae		sp 1												
Arachnida	Mesostigmata	Laeliidae		sp 2			+									
Arachnida	Mesostigmata	Uropodidae		sp 1		+	+	+	+	+						
Arachnida	Mesostigmata	Uropodidae		sp 1		+										
Arachnida	Mesostigmata	(cohort Dermnyssina)		sp 2												
Arachnida	Prostigmata	Adumbridae		sp 1		+										
Arachnida	Prostigmata	Adamidae		sp 2		+	+	+	+	+						
Arachnida	Prostigmata	Anysidae		sp 1		+	+	+	+	+						
Arachnida	Prostigmata	Anysidae		sp 2		+	+	+	+	+						
Arachnida	Prostigmata	Anysidae		sp 3		+	+	+	+	+						
Arachnida	Prostigmata	Anysidae		sp 4		+	+	+	+	+						
Arachnida	Prostigmata	Anysidae		sp 5		+										
Arachnida	Prostigmata	Bdellidae		sp 6												
Arachnida	Prostigmata	Bdellidae		sp 1			+									
Arachnida	Prostigmata	Bdellidae		sp 1		+	+	+	+	+						
Arachnida	Prostigmata	Caculidae		sp 2												
Arachnida	Prostigmata	Cunaxidae		sp 1												
Arachnida	Prostigmata	Cunaxidae		sp 2												
Arachnida	Prostigmata	Eupodidae		sp 1		+	+	+	+	+						
Arachnida	Prostigmata	Erythraeidae		sp 1		+										
Arachnida	Prostigmata	Erythraeidae		sp 2												
Arachnida	Prostigmata	Erythraeidae		sp 3												
Arachnida	Prostigmata	Erythraeidae		sp 4												
Arachnida	Prostigmata	Erythraeidae		sp 5												
Arachnida	Prostigmata	Smarididae		sp 1		+	+	+	+	+						
Arachnida	Prostigmata	Smarididae		sp 1												
Arachnida	Prostigmata	Camerobiidae		sp 1		+	+	+	+	+						
Arachnida	Prostigmata	Pseudochevilidae		sp 1												
Arachnida	Prostigmata	?Rhagididae		sp 1												
Arachnida	Prostigmata	Stigmatoidea		sp 1		+	+	+	+	+						
Arachnida	Prostigmata	Tetragnathidae		sp 1												
Arachnida	Prostigmata	Tetranychidae		sp 2												
Arachnida	Prostigmata	Tetranychidae		sp 3												
Arachnida	Prostigmata	(Trombidioidea)		sp 1		+										
Arachnida	Prostigmata	Tydeidae		sp 1												
Arachnida	Prostigmata	(cohort Heterostigmata)		sp 1												
Arachnida	Prostigmata	(Raphignathoides)		sp 1												
Arachnida	Prostigmata	(cohort Raphignathina)		sp 1												
Arachnida	Ixodida	Ixodidae		sp 1												
Arachnida	Endostigmata	Bimiceliidae	Hibicus	sp 1												
Arachnida	Endostigmata	Bimiceliidae	Bimicelius	sp 1												
Arachnida	Endostigmata	?Nanorchestidae	?Sociorchestes	sp 1			+	+								
Arachnida	Endostigmata	Nanorchestidae	Soleorchesites	sp 2			+	+								
Arachnida	Oribatida	Acaronychidae		sp 1												
Arachnida	Oribatida	Crassonewtoniidae	?Ceroribautula	sp 1			+	+								
Arachnida	Oribatida	Crassonewtoniidae	?Ceroribautula	sp 2			+	+								
Arachnida	Oribatida	Crassonewtoniidae	?Ceroribautula	sp 1			+	+								
Arachnida	Oribatida	Eremoecidae	?Eremaezotes	sp 1			+	+	+	+	+					
Arachnida	Oribatida	Mycobautidae	?Anellozotes	sp 1			+	+	+	+	+					
Arachnida	Oribatida	Mycobautidae		sp 1			+	+	+	+	+					
Arachnida	Oribatida	Oppidae		sp 1			+	+	+	+	+					
Arachnida	Oribatida	Pheroliodidae		sp 1												
Arachnida	Oribatida	Scleronibidae	Hemileucus	sp 1			+	+								
Arachnida	Oribatida	Steganaecidae	Austrophthiracarus	sp 1			+	+	+	+	+					
Malacostraca	Amphipoda			sp 1												
Malacostraca	Isopoda	Armidillidae		sp 1												
Malacostraca	Isopoda	Playanthridae	Trichorktuna	sp 1			+	+	+	+	+					
Malacostraca	Isopoda	Styloniscidae	Sivertskius	sp 1												
Diplopoda	Polyxenida	Synxenidae		sp 1												
Diplopoda	Sprostreptida			sp 1												
Pauropoda				sp 1												
Chilopoda	Scolopendrida	Cryptopidae	Cryptops	sp 1			+	+								
Chilopoda	Scolopendrida	Scutigeridae	Allotherura	?maculata			+	+								
Collembola	Arthroleptida	Neanuridae		sp 1			+	+	+	+	+					
Collembola	Arthroleptida	?Neanuridae		sp 2			+	+	+	+	+					
Collembola	Arthroleptida	Brachystomellidae		sp 1			+	+	+	+	+					
Collembola	Arthroleptida	Brachystomellidae		sp 2			+	+	+	+	+					
Collembola	Arthroleptida	Brachystomellidae		sp 3			+	+								
Collembola	Arthroleptida	Hypogastruridae		sp 1												
Collembola	Arthroleptida	Isotomidae		sp 1			+	+	+	+	+					
Collembola	Arthroleptida	Isotomidae		sp 1			+	+	+	+	+					
Collembola	Arthroleptida	Isotomidae		sp 2			+	+	+	+	+					
Collembola	Arthroleptida	Isotomidae		sp 3			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 1			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 2			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 3			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 4			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 5			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 6			+	+	+	+	+					
Collembola	Arthroleptida	Eniambidae		sp 7			+	+	+	+	+					
Collembola	Symphyleta	Sminthuridae	Corynorhabda	sp 1			+	+	+	+	+					

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karragullen		W-E Transect						Dandaloo			
					J1	M1	M2	M3	M4	M5	M6	M7	M8	J3	PW9	W8
Collembola	Symphyleona	Sminthuridae		sp 1	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 2	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 3	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 4			+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae	?Rastriopes	sp 5	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 6												+
Collembola	Symphyleona	Sminthuridae	?Rastriopes	sp 7	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 8	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 9	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 10	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Sminthuridae		sp 1	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Dicyrtomidae		sp 2	+	+	+	+	+	+	+	+	+	+	+	+
Collembola	Symphyleona	Dicyrtomidae		sp 3	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Thysanura	Lepismatidae		Chorisema	sp 4											
Insecta	Blattodea	Blattellidae			sp 5											
Insecta	Blattodea	Blattellidae			sp 6											
Insecta	Blattodea	Blattellidae			sp 7											
Insecta	Blattodea	Blattellidae			sp 8											
Insecta	Blattodea	Blattellidae			sp 9											
Insecta	Blattodea	Blattellidae			sp 10											
Insecta	Isoptera	Rhinotermitidae	Coptotermes	extensus	sp 1											
Insecta	Isoptera	Rhinotermitidae	Nasutitermes	extensus	sp 2											
Insecta	Mantodea	Mantidae	(?Indopterginae)	extensus	sp 3											
Insecta	Dermoptera	Pygidicranidae	(Pygidicraninae)	extensus	sp 4											
Insecta	Psocoptera	Lepidopsocidae	Coptotermes	extensus	sp 5											
Insecta	Psocoptera	Trogiidae	Leptotermes	extensus	sp 6											
Insecta	Psocoptera	Trogiidae	Leptotermes	extensus	sp 7											
Insecta	Psocoptera	Liposcelididae	Liposcelis	extensus	sp 8											
Insecta	Psocoptera	Liposcelididae	Liposcelis	extensus	sp 9											
Insecta	Psocoptera	Liposcelididae	Liposcelis	extensus	sp 10											
Insecta	Psocoptera	Carcinophoridae	Caeclius	extensus	sp 1											
Insecta	Psocoptera	Carcinophoridae	Maoripsocus	extensus	sp 2											
Insecta	Psocoptera	Lamellidae	Ectopsocus	extensus	sp 3											
Insecta	Psocoptera	Ectopsocidae	Ectopsocus	extensus	sp 4											
Insecta	Psocoptera	Penipsocidae	Peripsocus	extensus	sp 5											
Insecta	Psocoptera	Pseudocaeciliidae	Cladoneura	extensus	sp 6											
Insecta	Psocoptera	Pseudocaeciliidae	Clinopscus	extensus	sp 7											
Insecta	Psocoptera	Elipsocidae	Spilopsocus	extensus	sp 8											
Insecta	Psocoptera	Elipsocidae	Spilopsocus	extensus	sp 9											
Insecta	Psocoptera	Elipsocidae	Aaroniella	extensus	sp 10											
Insecta	Psocoptera	Philotarsiidae	Latrobella	extensus	sp 11											
Insecta	Psocoptera	Philotarsiidae	Latrobella	extensus	sp 12											
Insecta	Psocoptera	Philotarsiidae	Latrobella	extensus	sp 13											
Insecta	Psocoptera	Psocidae	Pricta	extensus	sp 14											
Insecta	Psocoptera	Psocidae	Psocidae	australis	sp 15											
Insecta	Psocoptera	Psocidae	Psocidae	australis	sp 16											
Insecta	Hemiptera	Psyllidae	(Acizzinae)	australis	sp 17											
Insecta	Hemiptera	Psyllidae	(Acizzinae)	australis	sp 18											
Insecta	Hemiptera	Psyllidae	(Acizzinae)	australis	sp 19											
Insecta	Hemiptera	Psyllidae	(Acizzinae)	australis	sp 20											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 21											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 22											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 23											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 24											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 25											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 26											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 27											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 28											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 29											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 30											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 31											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 32											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 33											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 34											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 35											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 36											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 37											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 38											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 39											
Insecta	Hemiptera	Psyllidae	(Spondylaspisinae)	australis	sp 40											
Insecta	Hemiptera	Aleyrodidae	?Calophydrac	Cecidopsylla	australis	sp 41										
Insecta	Hemiptera	Aleyrodidae	Aleyrodidae	Cecidopsylla	australis	sp 42										
Insecta	Hemiptera	Aleyrodidae	Aleyrodidae	Cecidopsylla	australis	sp 43										
Insecta	Hemiptera	Aleyrodidae	Aleyrodidae	Cecidopsylla	australis	sp 44										
Insecta	Hemiptera	Aleyrodidae	Aleyrodidae	Cecidopsylla	australis	sp 45										
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 46											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 47											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 48											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 49											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 50											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 51											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 52											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 53											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 54											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 55											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 56											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 57											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 58											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 59											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 60											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 61											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 62											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 63											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 64											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 65											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 66											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 67											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 68											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 69											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 70											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 71											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 72											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 73											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 74											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 75											
Insecta	Hemiptera	Aphididae	Aphis	australis	sp 76											
Insecta	Hemiptera	Aphididae	Aphis</td													

Table 2. (contd.)

Class	Order	Family	Genus	Species	Kamagullen		W-E Transect						Dryandris			
					H	M1	M2	M3	M4	M5	M6	M7	M8	J8	P11x	W8
Insecta	Hemiptera	Achilidae		sp 4									+			
Insecta	Hemiptera	Achilidae		sp 5											+	
Insecta	Hemiptera	Achilidae		sp 6											+	
Insecta	Hemiptera	Derbidae		sp 1		+		+	+	+					+	
Insecta	Hemiptera	Issidae	Biblicallia	sp 1											+	
Insecta	Hemiptera	Eurybrachyidae	Platybrachys	sp 1										+	+	+
Insecta	Hemiptera	Eurybrachyidae	Planibrachys	sp 2										+	+	+
Insecta	Hemiptera	Ceratocombidae	Ceratocombus	sp 1		+	+	+	+	+	+	+		+	+	+
Insecta	Hemiptera	Schizopteridae		sp 1		+										
Insecta	Hemiptera	Miridae	(?Brucorinae)	sp 1												
Insecta	Hemiptera	Miridae	(?Brucorinae)	sp 2												
Insecta	Hemiptera	Miridae	(?Brucorinae)	sp 3												
Insecta	Hemiptera	Miridae	(?Brucorinae)	sp 4												
Insecta	Hemiptera	Miridae	(Mirinae)	sp 1		+										
Insecta	Hemiptera	Miridae	(Mirinae)	sp 2		+										
Insecta	Hemiptera	Miridae	(Orthotylinae)	sp 1												
Insecta	Hemiptera	Miridae	(Phyllinae)	sp 1												
Insecta	Hemiptera	Tingidae		sp 1												
Insecta	Hemiptera	Thaumastocoridae		sp 1												
Insecta	Hemiptera	Thaumastocoridae		sp 2												
Insecta	Hemiptera	Reduviidae	Havinthus	sp 1												
Insecta	Hemiptera	Reduviidae	Platana	sp 1		+										
Insecta	Hemiptera	Reduviidae	Pilocnemus	Lemur												
Insecta	Hemiptera	Reduviidae	(Emesinae)	sp 2												
Insecta	Hemiptera	Reduviidae	(Panactorninae)	sp 1												
Insecta	Hemiptera	Arididae		sp 1												
Insecta	Hemiptera	Lygaeidae	Germalus	cf. virutor		+										
Insecta	Hemiptera	Lygaeidae	Nvius													
Insecta	Hemiptera	Lygaeidae	Nvius	sp 1												
Insecta	Hemiptera	Lygaeidae	(Rhyparochrominae)	sp 1												
Insecta	Hemiptera	Lygaeidae	sp 2													
Insecta	Hemiptera	Cydidae	Adrusa	sp 1												
Insecta	Hemiptera	Pentatomidae	Eumecopus	apicalis												
Insecta	Hemiptera	Pentatomidae	Poecilocleptes	sp 1												
Insecta	Hemiptera	Aelothripidae	Desmoothrus	sp 1												
Insecta	Thysanoptera	Thripidae	(Panchaetinae)	sp 1												
Insecta	Thysanoptera	Thripidae	sp 2													
Insecta	Thysanoptera	Thripidae	sp 3													
Insecta	Thysanoptera	Thripidae	sp 4	+	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Thysanoptera	Thripidae	sp 5	+	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Thysanoptera	Thripidae	sp 6	+	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Thysanoptera	Thripidae	sp 7	+	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	?Idolothrips	sp 1												
Insecta	Thysanoptera	Phlaeothripidae	(Phlaeothironinae)	sp 1												
Insecta	Thysanoptera	Phlaeothripidae	(Phlaeothironinae)	sp 2												
Insecta	Thysanoptera	Phlaeothripidae	(Phlaeothironinae)	sp 3												
Insecta	Neuroptera	Coniopterygidae	Coniopteryx	sp 1												
Insecta	Neuroptera	Coniopterygidae	Coniopteryx	sp 2												
Insecta	Neuroptera	Coniopterygidae	Leucoscydialis	sp 1												
Insecta	Neuroptera	Hemerobiidae	Micromus	aberrans (Walker) New												
Insecta	Neuroptera	Hemerobiidae	Psychobiella													
Insecta	Coleoptera	Carabidae	Adelopus	sp 1												
Insecta	Coleoptera	Carabidae	Adelopus	sp 2												
Insecta	Coleoptera	Carabidae	Amblytelus	sp 1												
Insecta	Coleoptera	Carabidae	Amblytelus	sp 2												
Insecta	Coleoptera	Carabidae	Homalies	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Carabidae	Meraclytoma	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Carabidae	Tachys	sp 1		+										
Insecta	Coleoptera	Trigoniophoridae	Trigonophorus	sp 1												
Insecta	Coleoptera	Hydrophilidae	Cervana	sp 1												
Insecta	Coleoptera	Histeridae	Carcinops	I-straia		+		+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Ptiliidae	Acunopteryx	sp 1												
Insecta	Coleoptera	Ptiliidae	Acunopteryx	sp 2												
Insecta	Coleoptera	Ptiliidae	Acunopteryx	sp 1												
Insecta	Coleoptera	Liodessidae	Myrmecoleuca	sp 1												
Insecta	Coleoptera	Liodessidae	?Narcosomphus	sp 1												
Insecta	Coleoptera	Scydmaenidae	Eucoronus	sp 1												
Insecta	Coleoptera	Scydmaenidae	Stenichnus	sp 1												
Insecta	Coleoptera	Scydmaenidae	Stenichnus	sp 2												
Insecta	Coleoptera	Scydmaenidae	(Tribe Neuraphini)	sp 1												
Insecta	Coleoptera	Scydmaenidae	(Tribe Scydmaenini)	sp 1												
Insecta	Coleoptera	Staphylinidae	Aleochara	gen nr Atheta	sp 1											
Insecta	Coleoptera	Staphylinidae	Aleochara	Carcelimus	sp 1											
Insecta	Coleoptera	Staphylinidae	Leptocinus	sp 1												
Insecta	Coleoptera	Staphylinidae	Leucospadenum	sp 1												
Insecta	Coleoptera	Staphylinidae	Oligotria	sp 1												
Insecta	Coleoptera	Staphylinidae	gen sp 1	Polivlobus	sp 1		+	+	+	+	+	+	+			
Insecta	Coleoptera	Staphylinidae	gen sp 2	Polivlobus	sp 2											
Insecta	Coleoptera	Staphylinidae	Pseudophilonthus	sp 1		+	+	+	+	+	+	+				
Insecta	Coleoptera	Staphylinidae	Ouedius	sp 1												
Insecta	Coleoptera	Staphylinidae	Scaphisoma	sp 1												
Insecta	Coleoptera	Staphylinidae	Tachysphorus	sp 1												
Insecta	Coleoptera	Staphylinidae	(Omalinae)	sp 1												
Insecta	Coleoptera	Staphylinidae	sp 2													
Insecta	Coleoptera	Pselaphidae	Arucerus	sp 1												
Insecta	Coleoptera	Pselaphidae	Euplectous	sp 1		+	+	+	+	+	+	+				
Insecta	Coleoptera	Pselaphidae	Euplectous	sp 2												
Insecta	Coleoptera	Pselaphidae	Timesiphorus	sp 1												
Insecta	Coleoptera	Pselaphidae	(Tribe Pselaphini)	sp 1												
Insecta	Coleoptera	Pselaphidae	(Tribe Pselaphini)	sp 2												
Insecta	Coleoptera	Pselaphidae	sp 1													
Insecta	Coleoptera	Serridae	?Cypion	sp 1												
Insecta	Coleoptera	Serridae	Pseudomicroura	sp 1												
Insecta	Coleoptera	Scarabaeidae	Cryptodus	sp 1												
Insecta	Coleoptera	Scarabaeidae	Heironyx	sp 1												

Table 2. (contd.)

Clas.	Order	Famil.	Genus	Species	Karrullen		W-E Transect					Dry vides				
					II	VI	M2	M3	M4	M5	M6	M7	M8	J8	PA8	W8
Insecta	Coleoptera	Scarabaeidae	<i>Heteronyx</i>	sp 2												
Insecta	Coleoptera	Scarabaeidae	<i>Heteronyx</i>	sp 3												+
Insecta	Coleoptera	Scarabaeidae	<i>Heteronyx</i>	sp 4												+
Insecta	Coleoptera	Scarabaeidae	<i>Heteronyx</i>	sp 5												+
Insecta	Coleoptera	Scarabaeidae	<i>Liparetrus</i>	sp 1												
Insecta	Coleoptera	Scarabaeidae	<i>Semanopterus</i>	sp 1		+	+									
Insecta	Coleoptera	Buprestidae	<i>Paracodethala</i>	sp 1												
Insecta	Coleoptera	Eucnemidae	<i>Eurypterus</i>	sp 1				+	+	+	+	+				+
Insecta	Coleoptera	Throscidae	<i>Aulonothroscus</i>	sp 1					+	+	+	+				+
Insecta	Coleoptera	Throscidae	<i>Aulonothroscus</i>	sp 2												
Insecta	Coleoptera	Elatiidae	<i>Teritus</i>	sp 1												
Insecta	Coleoptera	Elatiidae	<i>Conoderus</i>	sp 1		+	+									
Insecta	Coleoptera	Elatiidae	<i>Conoderus</i>	sp 2		+	+	+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Elatiidae	<i>Crepidomenus</i>	sp 3		+	+	+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Elatiidae	<i>Crepidomenus</i>	sp 2												
Insecta	Coleoptera	Elatiidae	<i>Paracardiophorus</i>	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Elatiidae	(Cardiophorinae)	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Coleoptera	Cantharidae	<i>Heteromastix</i>	sp 1												
Insecta	Coleoptera	Cantharidae	<i>Heteromastix</i>	sp 2												
Insecta	Coleoptera	Cantharidae	<i>Heteromastix</i>	sp 3												
Insecta	Coleoptera	Dermestidae	<i>Orphnus</i>	sp 1		+	+									
Insecta	Coleoptera	Dermestidae	<i>Orphnus</i>	sp 2												
Insecta	Coleoptera	Dermestidae	<i>Trichelodes</i>	delicatula												
Insecta	Coleoptera	Dermestidae	<i>Trogodera</i>	sp 1												
Insecta	Coleoptera	Dermestidae	<i>Trogodera</i>	sp 2												
Insecta	Coleoptera	Dermestidae	<i>Trogodera</i>	sp 3												
Insecta	Coleoptera	Bostrichidae	<i>Xylion</i>	sp 1												
Insecta	Coleoptera	Anobiidae	cf <i>Dryophiloides</i>	sp 1		+										
Insecta	Coleoptera	Anobiidae	cf <i>Dryophiloides</i>	sp 2												
Insecta	Coleoptera	Anobiidae	cf <i>Dryophiloides</i>	sp 3												
Insecta	Coleoptera	Anobiidae	cf <i>Dryophiloides</i>	sp 4												
Insecta	Coleoptera	Anobiidae	" <i>Hydrobremus</i>	sp 1												
Insecta	Coleoptera	Anobiidae	<i>Musicephala</i>	sp 1												
Insecta	Coleoptera	Anobiidae	<i>Musicephala</i>	sp 2												
Insecta	Coleoptera	Anobiidae	<i>Niptus</i>	sp 1												
Insecta	Coleoptera	Anobiidae	<i>Ptinus</i>	sp 1		+										
Insecta	Coleoptera	Anobiidae	<i>Ptinus</i>	sp 2		+										
Insecta	Coleoptera	Anobiidae	(Tribe Eccechini)	sp 1												
Insecta	Coleoptera	Anobiidae	(Tribe Xyletinini)	sp 1												
Insecta	Coleoptera	Cleridae	<i>Blackburnella</i>	sp 1		+	+									
Insecta	Coleoptera	Cleridae	<i>Eleale</i>	sp 1												
Insecta	Coleoptera	Cleridae	<i>Eurotas</i>	sp 1												
Insecta	Coleoptera	Cleridae	gen. n. <i>Lemidia</i>	sp 1												
Insecta	Coleoptera	Cleridae	(<i>Phyllobaeninae</i>)	sp 1												
Insecta	Coleoptera	Melyridae	" <i>Daviesi</i> "	sp 1												
Insecta	Coleoptera	Melyridae	<i>Helcogaster</i>	sp 1												
Insecta	Coleoptera	Melyridae	<i>Hypattalus</i>	sp 1												
Insecta	Coleoptera	Melyridae	<i>Hypattalus</i>	sp 2												
Insecta	Coleoptera	Melyridae	nr <i>Thoraxocanthurus</i>	sp 1		+	+	+	+	+						
Insecta	Coleoptera	Melyridae	(<i>Malachinae</i>)	sp 1												
Insecta	Coleoptera	Melyridae	(<i>Malachinae</i>)	sp 2												
Insecta	Coleoptera	Sphindidae	<i>Aspidophorus</i>	sp 1												
Insecta	Coleoptera	Nitidulidae	<i>Brachypleurus</i>	sp 1												
Insecta	Coleoptera	Nitidulidae	" <i>Sorana</i> " (Genus A)	sp 1												
Insecta	Coleoptera	Cryptosuchidae	(<i>Cryptarchinae</i>)	sp 1												
Insecta	Coleoptera	Silvanidae	<i>Myrbotia</i>	sp 1												
Insecta	Coleoptera	Silvanidae	<i>Cryptamorpha</i>	sp 1												
Insecta	Coleoptera	Silvanidae	<i>Orizaephilus</i>	sp 1												
Insecta	Coleoptera	Silvanidae	<i>Silvanus</i>	sp 1												
Insecta	Coleoptera	Silvanidae	(<i>Uleioidinae</i>)	sp 1												
Insecta	Coleoptera	Laemophloeidae	<i>Cryptolestes</i>	sp 1												
Insecta	Coleoptera	Phalacridae	<i>Lirochrus</i>	sp 1												
Insecta	Coleoptera	Phalacridae	<i>Lirochrus</i>	sp 2												
Insecta	Coleoptera	Cryptophagidae	" <i>Cryptophagus</i> "	sp 1												
Insecta	Coleoptera	Erotylidae	<i>Thallis</i>	sp 1												
Insecta	Coleoptera	Bothrideridae	<i>Aschymetus</i>	sp 1												
Insecta	Coleoptera	Bothrideridae	(Tribe Bothriderini)	sp 1												
Insecta	Coleoptera	Coccinellidae	<i>Coccinella</i>	transversalis												
Insecta	Coleoptera	Coccinellidae	<i>Telmus</i>	sp 1												
Insecta	Coleoptera	Coccinellidae	(<i>Sticholotidinae</i>)	sp 1												
Insecta	Coleoptera	Coccinellidae		sp 1												
Insecta	Coleoptera	Coccinellidae		sp 2		+	+	+	+	+	+	+	+	+	+	
Insecta	Coleoptera	Coccinellidae		sp 3												
Insecta	Coleoptera	Coccinellidae		sp 4												
Insecta	Coleoptera	Coccinellidae		sp 6												
Insecta	Coleoptera	Coccinellidae		sp 7												
Insecta	Coleoptera	Coccinellidae		sp 8												
Insecta	Coleoptera	Coccinellidae		sp 9												
Insecta	Coleoptera	Corylophidae	<i>Alloparmulus</i>	sp 1			+	+								
Insecta	Coleoptera	Corylophidae	<i>Alloparmulus</i>	sp 2												
Insecta	Coleoptera	Corylophidae	<i>Anisomeristes</i>	sp 1												
Insecta	Coleoptera	Corylophidae	<i>Sericoderus</i>	sp 1												
Insecta	Coleoptera	Lathrididae	<i>Andrus</i>	sp 1		+	+		+		+	+	+	+	+	+
Insecta	Coleoptera	Lathrididae	<i>Corticaria</i>	sp 1			+	+			+	+	+	+	+	+
Insecta	Coleoptera	Lathrididae	<i>Corticaria</i>	sp 2												
Insecta	Coleoptera	Lathrididae	<i>Corinucara</i>	sp 1		+	+	+		+	+	+	+	+	+	+
Insecta	Coleoptera	Lathrididae	<i>Corinucara</i>	sp 2		+	+	+	+		+	+	+	+	+	+
Insecta	Coleoptera	Lathrididae	<i>Corinucara</i>	sp 3												
Insecta	Coleoptera	Lathrididae	<i>Enicmus</i>	sp 1		+	+	+	+							
Insecta	Coleoptera	Lathrididae	<i>Enicmus</i>	sp 2			+	+								
Insecta	Coleoptera	Lathrididae	<i>Lithostygus</i>	sp 1												
Insecta	Coleoptera	Lathrididae	<i>Lithostygus</i>	sp 2												
Insecta	Coleoptera	Mycetophagidae	<i>Typhaea</i>	stercorea												
Insecta	Coleoptera	Archaeocryptidae	<i>Enneboeopsis</i>	sp 1												
Insecta	Coleoptera	Coridae	<i>Cis</i>	sp 1				+	+	+						
Insecta	Coleoptera	Coridae	<i>Cis</i>	sp 2				+	+	+						
Insecta	Coleoptera	Coridae	<i>Cis</i>	sp 3												

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karragullen		W-E Transect					Dryandra					
					J1	M1	M2	M3	M4	M5	M6	M7	M8	I8	PW9	W8	
Insecta	Coleoptera	Curculionidae	Oreocnemis	sp 1	+												
Insecta	Coleoptera	Rhipiphoridae	Rhipidioides	sp 1	+												+
Insecta	Coleoptera	Curculionidae	Penthelispa	sp 1													
Insecta	Coleoptera	Celydidae		sp 1													
Insecta	Coleoptera	Zopheridae		sp 1													
Insecta	Coleoptera	Tenebrionidae	Chalcopariaeades	sp 1													
Insecta	Coleoptera	Tenebrionidae	Chalcopariaeades	sp 2													
Insecta	Coleoptera	Tenebrionidae	Chalcopariaeades	sp 3													
Insecta	Coleoptera	Tenebrionidae	Chromomoea	sp 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Coleoptera	Tenebrionidae	Chromomoea	sp 2													
Insecta	Coleoptera	Tenebrionidae	Tribolium	sp 1													
Insecta	Coleoptera	Tenebrionidae	(Alleculinae)	sp 1													
Insecta	Coleoptera	Tenebrionidae	(Alleculinae)	sp 2													
Insecta	Coleoptera	Sapindidae	Orphanotrophum	sp 1													
Insecta	Coleoptera	Amblydidae	(Eurygeninae)	sp 1													
Insecta	Coleoptera	Adenidae		sp 1													
Insecta	Coleoptera	Adenidae		sp 2													
Insecta	Coleoptera	Adenidae		sp 3													
Insecta	Coleoptera	Adenidae		sp 4													+
Insecta	Coleoptera	Syrphidae	Scaptia	sp 1													
Insecta	Coleoptera	Syrphidae	Scaptia	sp 2													
Insecta	Coleoptera	Syrphidae	Scaptia	sp 3													
Insecta	Coleoptera	Cerambycidae	Coprocercus	sp 1													
Insecta	Coleoptera	Chrysomelidae	Duropidius	sp 1													
Insecta	Coleoptera	Chrysomelidae	Duropidius	sp 2													
Insecta	Coleoptera	Chrysomelidae	Duropidius	sp 3													
Insecta	Coleoptera	Chrysomelidae	Bruchinae	sp 1													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 1													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 2													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 3													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 4													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 5													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 6													
Insecta	Coleoptera	Chrysomelidae	(Chrysomelinae)	sp 7													
Insecta	Coleoptera	Chrysomelidae	(Eumolpinae)	sp 1													
Insecta	Coleoptera	Chrysomelidae	(Galerucinae)	sp 1													
Insecta	Coleoptera	Chrysomelidae	(Galerucinae)	sp 2													
Insecta	Coleoptera	Chrysomelidae	(Megalopodinae)	sp 1													
Insecta	Coleoptera	Anthribidae		sp 1													
Insecta	Coleoptera	Atelabidae	Auleocharis	sp 1													
Insecta	Coleoptera	Atelabidae	?Car	sp 1													
Insecta	Coleoptera	Atelabidae		sp 1													
Insecta	Coleoptera	Brentidae	(Eurhynchinae)	sp 1													
Insecta	Coleoptera	Brentidae	(Eurhynchinae)	sp 2													
Insecta	Coleoptera	Curculionidae	Rhinaria	sp 1													
Insecta	Coleoptera	Curculionidae	Xyleborus	sp 1													
Insecta	Coleoptera	Curculionidae	(Anvceterinae)	sp 1													
Insecta	Coleoptera	Curculionidae	(Entiminae)	sp 1													
Insecta	Coleoptera	Curculionidae	(Entiminae)	sp 2													
Insecta	Coleoptera	Curculionidae	(Entiminae)	sp 3													
Insecta	Coleoptera	Curculionidae	(Entiminae)	sp 4													
Insecta	Coleoptera	Curculionidae	(Entiminae)	sp 5													
Insecta	Coleoptera	Curculionidae	(Entiminae)	sp 6													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 1													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 2													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 3													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 4													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 5													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 6													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 7													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 8													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 9													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 10													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 11													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 12													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 13													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 14													
Insecta	Coleoptera	Curculionidae	(Scolytinae)	sp 15													
Insecta	Coleoptera	Culicidae	(Culicinae)	Leptotarsus matthewsi													
Insecta	Diptera	Tipulidae	(Limoninae)	sp 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Tipulidae	(Limoninae)	sp 2	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Tipulidae	(Limoninae)	sp 3	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Tipulidae	(Limoninae)	sp 4	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Tipulidae	(Limoninae)	sp 5	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Culicidae	(Culicinae)	alboannulatus													
Insecta	Diptera	Chironomidae		sp 1													
Insecta	Diptera	Chironomidae		sp 2	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 3	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 4	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 5	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 6	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 8	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 9	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 10	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 11	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 12	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 13	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 14	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Chironomidae		sp 15	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Ceratopogonidae		sp 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Ceratopogonidae		sp 2	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Ceratopogonidae		sp 3	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Ceratopogonidae		sp 4	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Ceratopogonidae		sp 5	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Ceratopogonidae		sp 6	+	+	+	+	+	+	+	+	+	+	+	+	

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karragullen		W-E Transect					Dryandra			
					J1	M1	M2	M3	M4	M5	M6	M7	Y18	J8	P14
Insecta	Diptera	Ceratopogonidae		sp 7	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Ceratopogonidae		sp 8											
Insecta	Diptera	Ceratopogonidae		sp 9	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Ceratopogonidae		sp 10											
Insecta	Diptera	Ceratopogonidae		sp 11											
Insecta	Diptera	Ceratopogonidae		sp 12	+	+	+								
Insecta	Diptera	Ceratopogonidae		sp 13											
Insecta	Diptera	Ceratopogonidae		sp 14											
Insecta	Diptera	Ceratopogonidae		sp 15											
Insecta	Diptera	Simuliidae	<i>Simulium</i>	ornatus sp 1											
Insecta	Diptera	Simuliidae		sp 1											
Insecta	Diptera	Psychodidae		sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Psychodidae		sp 2											
Insecta	Diptera	Psychodidae		sp 3											
Insecta	Diptera	Anisopodidae	<i>Sylvicola</i>	dubius	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Scatopsidae		sp 1											
Insecta	Diptera	Scatopsidae		sp 2											
Insecta	Diptera	Scatopsidae		sp 3											
Insecta	Diptera	Bibionidae	<i>Dilophus</i>	sp 1											
Insecta	Diptera	Bibionidae		sp 1											
Insecta	Diptera	Cecidomyiidae		sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 2											
Insecta	Diptera	Cecidomyiidae		sp 3	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 4	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 5	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 6											
Insecta	Diptera	Cecidomyiidae		sp 7	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 8	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 9	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Cecidomyiidae		sp 10											
Insecta	Diptera	Cecidomyiidae		sp 11											
Insecta	Diptera	Cecidomyiidae		sp 12											
Insecta	Diptera	Cecidomyiidae		sp 13											
Insecta	Diptera	Cecidomyiidae		sp 14											
Insecta	Diptera	Cecidomyiidae		sp 15											
Insecta	Diptera	Sciadidae	<i>Sciara</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Sciadidae	<i>Sciara</i>	sp 2	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Sciadidae	<i>Sciara</i>	sp 3	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Sciadidae		sp 1											
Insecta	Diptera	Sciadidae		sp 2											
Insecta	Diptera	Sciadidae		sp 3											
Insecta	Diptera	Sciadidae		sp 4											
Insecta	Diptera	Sciadidae		sp 5											
Insecta	Diptera	Mycetophilidae	<i>Acrodiptera</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	<i>Exechia</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	<i>Leia</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	<i>Mycetophila</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	<i>Mycetomysa</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	<i>Semophragma</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	<i>Tetragoneura</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	(?Keroplatainae)	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Mycetophilidae	(?Keroplatainae)	sp 2											
Insecta	Diptera	Mycetophilidae	(?Mycetophilinae)	sp 3											
Insecta	Diptera	Mycetophilidae	(?Mycetophilinae)	sp 4											
Insecta	Diptera	Mycetophilidae	(?Mycetophilinae)	sp 5											
Insecta	Diptera	Mycetophilidae	(?Mycetophilinae)	sp 6											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 1											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 2											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 3											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 4											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 5											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 6											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 7											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 8											
Insecta	Diptera	Mycetophilidae	(?Scoophilinae)	sp 9											
Insecta	Diptera	Rhagionidae	<i>Atheriomorpha</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Tabanidae	<i>Pseudotabanus</i>	sulcifrons (Ferguson)											
Insecta	Diptera	Stratiomyidae	(Pachysterninae)	sp 1											
Insecta	Diptera	Asilidae	<i>Neonanus</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Asilidae	<i>Neonanus</i>	sp 2											
Insecta	Diptera	Bombyliidae	<i>Compsia</i>	sp 1											
Insecta	Diptera	Bombyliidae	<i>Geron</i>	sp 1											
Insecta	Diptera	Bombyliidae	(Mythicomyinae)	sp 1											
Insecta	Diptera	Limoniidae	gen nr <i>Chelipoda</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Empididae	<i>Crossopalpus</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Empididae	<i>Crossopalpus</i>	sp 2											
Insecta	Diptera	Empididae	<i>Drapetis</i>	sp 4											
Insecta	Diptera	Empididae	<i>Empis</i>	sp 1											
Insecta	Diptera	Empididae	"Hilara"	sp 1											
Insecta	Diptera	Empididae	<i>Lepioptera</i>	sp 1											
Insecta	Diptera	Empididae	gen nr <i>Phyllodromia</i>	sp 1											
Insecta	Diptera	Empididae	<i>Planyrobas</i>	sp 3											
Insecta	Diptera	Empididae	<i>Sitton</i>	sp 2											
Insecta	Diptera	Empididae	<i>Tachypetra</i>	sp 5											
Insecta	Diptera	Empididae	<i>Tachypetra</i>	sp 1											
Insecta	Diptera	Empididae	gen nov nr <i>Bicellaria</i>	sp 1											
Insecta	Diptera	Empididae	(Empididae)	sp 1											
Insecta	Diptera	Dolichopodidae	<i>Achalcus</i>	sp 1											
Insecta	Diptera	Dolichopodidae	<i>Chrysotimus</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Dolichopodidae	<i>Chrysotimus</i>	sp 2	+	+	+	+	+	+	+	+	+	+	+
Insecta	Diptera	Dolichopodidae	<i>Druphorus</i>	sp 1											
Insecta	Diptera	Dolichopodidae	<i>Nothorhaphium</i>	aemulans											
Insecta	Diptera	Dolichopodidae	<i>Nothorhaphium</i>	nudicrons											

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karragullen		W-E Transect					Dryandra					
					J1	M1	M2	M3	M4	N5	No	M7	M8	J8	PW	W8	
Insecta	Diptera	Dolichopodidae	<i>Sympycnus</i>	sp 1							+						
Insecta	Diptera	Dolichopodidae	<i>Systenus</i>	<i>curreyi</i>			+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Dolichopodidae	(Symphorinae)	sp 1			+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Phoridae		sp 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Phoridae		sp 2	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Phoridae		sp 3			+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Phoridae		sp 4							+	+			+	+	
Insecta	Diptera	Phoridae		sp 5							+	+			+	+	
Insecta	Diptera	Phoridae		sp 6									+	+		+	
Insecta	Diptera	Phoridae		sp 7									+			+	
Insecta	Diptera	Phoridae		sp 8			+	+	+	+	+	+	+			+	
Insecta	Diptera	Phoridae		sp 9	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Syrphidae	(Syrphinae)	sp 1							+						
Insecta	Diptera	Syrphidae	(Syrphinae)	sp 2							+						
Insecta	Diptera	Sepsidae		sp 1													
Insecta	Diptera	Laxaniidae		sp 1													
Insecta	Diptera	Platystomatidae	<i>Rivellia</i>	sp 1							+	+	+				
Insecta	Diptera	Heleomyzidae	<i>Borboroides</i>	<i>atra</i>							+	+					
Insecta	Diptera	Heleomyzidae	<i>Tapeigaster</i>	sp 1		+											
Insecta	Diptera	Heleomyzidae	<i>Tapeigaster</i>	sp 2			+										
Insecta	Diptera	Sphaeroceridae	<i>Leptocera</i>	sp 1													
Insecta	Diptera	Sphaeroceridae	<i>Leptocera</i>	sp 2													
Insecta	Diptera	Clusiidae		sp 1							+	+	+				
Insecta	Diptera	Odinidae		sp 1													
Insecta	Diptera	Agroniidae		sp 1													
Insecta	Diptera	Ferausonidae	<i>Fergusonina</i>	sp 1													
Insecta	Diptera	Ferausonidae	<i>Fergusonina</i>	sp 2													
Insecta	Diptera	Ephydriidae	<i>Athyroglossa</i>	sp 1													
Insecta	Diptera	Ephydriidae	<i>Hyadina</i>	sp 1													
Insecta	Diptera	Ephydriidae	<i>Scatella</i>	sp 1													
Insecta	Diptera	Ephydriidae	(Psilopinae)	sp 1													
Insecta	Diptera	Drosophilidae		sp 1	+	+	+	+	+	+	+	+	+	+	+		
Insecta	Diptera	Drosophilidae		sp 2													
Insecta	Diptera	Drosophilidae		sp 3													
Insecta	Diptera	Drosophilidae		sp 4	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Cryptochetidae	<i>Cryptochetum</i>	sp 1													
Insecta	Diptera	Miltichidae	<i>Desmodemotora</i>	sp 1													
Insecta	Diptera	Miltichidae		sp 1													
Insecta	Diptera	Chlamopidae		sp 1													
Insecta	Diptera	Chloropidae		sp 2	+	+											
Insecta	Diptera	Chloropidae		sp 3													
Insecta	Diptera	Chloropidae		sp 4													
Insecta	Diptera	Chloropidae		sp 5													
Insecta	Diptera	Chloropidae		sp 6													
Insecta	Diptera	Chloropidae		sp 7													
Insecta	Diptera	Muscidae		sp 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Muscidae		sp 2													
Insecta	Diptera	Muscidae		sp 3													
Insecta	Diptera	Calliphoridae		sp 1													
Insecta	Diptera	Calliphoridae		sp 2													
Insecta	Diptera	Calliphoridae		sp 3		+											
Insecta	Diptera	Calliphoridae		sp 4													
Insecta	Diptera	Tachinidae		sp 1													
Insecta	Diptera	Tachinidae		sp 2	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Diptera	Tachinidae		sp 3													
Insecta	Diptera	Tachinidae		sp 4													
Insecta	Diptera	Tachinidae		sp 5													
Insecta	Diptera	Tachinidae		sp 6													
Insecta	Diptera	Tachinidae		sp 7													
Insecta	Diptera	Tachinidae		sp 8													
Insecta	Diptera	Tachinidae		sp 9													
Insecta	Diptera	Tachinidae		sp 10													
Insecta	Trichoptera	Hydropsyidae		sp 1													
Insecta	Lepidoptera	Nepculidae		sp 1													
Insecta	Lepidoptera	(Nepculoidea)		sp 1													
Insecta	Lepidoptera	Heliozelidae		sp 1													
Insecta	Lepidoptera	Incurvariidae	<i>Peritha</i>	<i>glyptopa</i>													
Insecta	Lepidoptera	Incurvariidae	<i>Peritha</i>	sp 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Lepidoptera	?Psychidae		sp 1													
Insecta	Lepidoptera	Psychidae		sp 2	+	+											
Insecta	Lepidoptera	Psychidae		sp 3													
Insecta	Lepidoptera	Gracillariidae	<i>Phyllocnus</i>	sp 1	+												
Insecta	Lepidoptera	Tineidae	<i>Monopus</i>	<i>ethelella</i>													
Insecta	Lepidoptera	Tineidae		so 1	+												
Insecta	Lepidoptera	Tineidae		so 2	+	+											
Insecta	Lepidoptera	(Tineoidea)		so 1													
Insecta	Lepidoptera	Oecophoridae	<i>Philobota</i>	<i>transfixa</i>													
Insecta	Lepidoptera	Oecophoridae	(Oecophoridae)	so 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Lepidoptera	Oecophoridae	(Oecophoridae)	so 2			+										
Insecta	Lepidoptera	Oecophoridae	(Oecophoridae)	so 3													
Insecta	Lepidoptera	Oecophoridae	(Oecophoridae)	so 4													
Insecta	Lepidoptera	Oecophoridae	(Oecophoridae)	so 5													
Insecta	Lepidoptera	Oecophoridae	(Oecophoridae)	so 5													
Insecta	Lepidoptera	Oecophoridae		sp 1													
Insecta	Lepidoptera	Oecophoridae		sp 2													
Insecta	Lepidoptera	Batrachedridae	<i>Batrachedra</i>	sp 1		+											
Insecta	Lepidoptera	Batrachedridae	<i>Batrachedra</i>	sp 2													
Insecta	Lepidoptera	Hyperrhopidae	<i>Hyperrhoa</i>														
Insecta	Lepidoptera	Blastobasidae	<i>Blasibasis</i>														
Insecta	Lepidoptera	Cosmopterigidae	<i>Leucostesis</i>	sp 1													
Insecta	Lepidoptera	Cosmopterigidae	<i>Cosmopterigidae</i>	sp 1													
Insecta	Lepidoptera	Cosmopterigidae	"Cosmopterigidae"	sp 2													
Insecta	Lepidoptera	Gelechiidae	<i>Protelechia</i>	<i>stratifera</i>													
Insecta	Lepidoptera	Gelechiidae	"Gelechiidae"	so 1													
Insecta	Lepidoptera	Gelechiidae	"Gelechiidae"	so 2													
Insecta	Lepidoptera	Gelechiidae	"Gelechiidae"	so 3													
Insecta	Lepidoptera	Gedochroidea	(Gedochroidea)	so 1	+	+	+	+	+	+	+	+	+	+	+	+	
Insecta	Lepidoptera	Gedochroidea	(Gedochroidea)	so 2													

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karrullen			W F T N CC				Dr. Andra				
					J1	M1	M2	M3	M4	M5	M6	M7	M8	J8	PW 8	W8
Insecta	Lepidoptera	(Gelechiidae)		SD 3	+	-	+									
Insecta	Lepidoptera	(Gelechiidae)		SD 4	+	+	+	+	+	+	+	+				
Insecta	Lepidoptera	(Gelechiidae)		SD 5			+									
Insecta	Lepidoptera	(Gelechiidae)		SD 6												
Insecta	Lepidoptera	(Gelechiidae)		SD 7												
Insecta	Lepidoptera	(Gelechiidae)		SD 8												
Insecta	Lepidoptera	(Gelechiidae)		SD 9												
Insecta	Lepidoptera	(Gelechiidae)		SD 10												
Insecta	Lepidoptera	(Gelechiidae)		SD 11	+	+	+	+	+	+	+	+				
Insecta	Lepidoptera	(Gelechiidae)		SD 12		+										
Insecta	Lepidoptera	(Gelechiidae)		SD 13	+	+	+									
Insecta	Lepidoptera	(Gelechiidae)		SD 14												
Insecta	Lepidoptera	(Gelechiidae)		SD 15												
Insecta	Lepidoptera	(Gelechiidae)		SD 16												
Insecta	Lepidoptera	(Gelechiidae)		SD 17												
Insecta	Lepidoptera	(Gelechiidae)		SD 18												
Insecta	Lepidoptera	(Gelechiidae)		SD 19												
Insecta	Lepidoptera	Tortricidae		SD 1	+											
Insecta	Lepidoptera	Tortricidae		SD 2												
Insecta	Lepidoptera	Tortricidae		SD 3												
Insecta	Lepidoptera	Tortricidae		SD 4												
Insecta	Lepidoptera	Tortricidae		SD 5	+	+	+									
Insecta	Lepidoptera	Tortricidae		SD 6												
Insecta	Lepidoptera	Zygaenidae	<i>Pollanisus</i>	<i>viridipulverula</i>	+											
Insecta	Lepidoptera	Zygaenidae	<i>Mimaclossa</i>	<i>naupialis</i>												
Insecta	Lepidoptera	Zygaenidae	<i>Tetraprosopus</i>	<i>nevricki</i>												
Insecta	Lepidoptera	Geometridae	<i>Campa</i>	<i>areolaria</i>												
Insecta	Lepidoptera	Geometridae	<i>Ectrois</i>	<i>sd 1</i>	+		+									
Insecta	Lepidoptera	Geometridae	<i>Phrysiagomus</i>	<i>laticostata</i>												
Insecta	Lepidoptera	Noctuidae	<i>Spodoptera</i>	<i>sd 1</i>												
Insecta	Lepidoptera	Noctuidae	<i>Dasyuridia</i>	<i>selenophora</i>												
Insecta	Hymenoptera	Megalviniue	<i>Megalvira</i>	<i>sd 1</i>												
Insecta	Hymenoptera	Ceraphronidae	<i>Aethanognathus</i>	<i>Adhanognathus</i>	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Ceraphronidae	<i>Aethanognathus</i>	<i>Adhanognathus</i>	sd 1											
Insecta	Hymenoptera	Ceraphronidae	<i>Aethanognathus</i>	<i>Adhanognathus</i>	sd 2											
Insecta	Hymenoptera	Ceraphronidae	<i>Aethanognathus</i>	<i>Adhanognathus</i>	sd 3											
Insecta	Hymenoptera	Ceraphronidae	<i>Aethanognathus</i>	<i>Adhanognathus</i>	sd 4											
Insecta	Hymenoptera	Ceraphronidae	<i>Evaniidae</i>	<i>sd 1</i>												
Insecta	Hymenoptera	Ichneumonidae	<i>Adelophion</i>	<i>sd 1</i>												
Insecta	Hymenoptera	Ichneumonidae	<i>gen nr. Biconus</i>	<i>Gavrama</i>	+	+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Ichneumonidae	<i>Gavrama</i>	<i>Gava</i>	sp 1											
Insecta	Hymenoptera	Ichneumonidae	<i>Gava</i>	<i>Gava</i>	sp 1											
Insecta	Hymenoptera	Ichneumonidae	<i>Hypsicera</i>	<i>Mirmeleonstenus</i>	gen nr. <i>Gavrama</i>											
Insecta	Hymenoptera	Ichneumonidae	<i>Orthocentrus</i>	<i>daucus</i>	<i>sp 1</i>	+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Braconidae	<i>Paraphylax</i>	<i>Paraphylax</i>	sp 1											
Insecta	Hymenoptera	Braconidae	<i>Paraphylax</i>	<i>Paraphylax</i>	sp 2											
Insecta	Hymenoptera	Braconidae	"Tribe Mesostenini"	<i>daucus</i>	sp 1	+										
Insecta	Hymenoptera	Braconidae	Tribe Phygadeuontini	<i>sp 1</i>												
Insecta	Hymenoptera	Braconidae	(Tersilochinae)	<i>Diadereus</i>	<i>rapae</i>											
Insecta	Hymenoptera	Braconidae	(Acanthinae)	<i>gen nr. Diadereus</i>	<i>Iphualax</i>	sp 1	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Braconidae	(Alyssoninae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Braconinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Brachoninae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Cheloninae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 2										
Insecta	Hymenoptera	Braconidae	(Doryctinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Euphoninae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Helconinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Helconinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 2										
Insecta	Hymenoptera	Braconidae	(Rogadinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Braconidae	(Rogadinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 2										
Insecta	Hymenoptera	Diapriidae	<i>Diphoropria</i>	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Diapriidae	<i>Gwahiria</i>	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Diapriidae	<i>Sylactista</i>	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Diapriidae	(Belvinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 2										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 2										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 3										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 4										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 5										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 6										
Insecta	Hymenoptera	Diapriidae	(Diapriinae)	<i>Iphualax</i>	<i>Iphualax</i>	sp 7										
Insecta	Hymenoptera	Platygastoridae	<i>Aphanomerus</i>	<i>Isotassius</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Platygastoridae	<i>Aphanomerus</i>	<i>Isotassius</i>	<i>Iphualax</i>	sp 2										
Insecta	Hymenoptera	Platygastoridae	<i>Platygasteroides</i>	<i>Isotassius</i>	<i>Iphualax</i>	sp 1										
Insecta	Hymenoptera	Platygastoridae	(Platygasterinae)	<i>Platygasteroides</i>	<i>Isotassius</i>	sp 1										
Insecta	Hymenoptera	Platygastoridae	(Platygasterinae)	<i>Platygasteroides</i>	<i>Isotassius</i>	sp 2										
Insecta	Hymenoptera	Platygastoridae	(Platygasterinae)	<i>Platygasteroides</i>	<i>Isotassius</i>	sp 3										
Insecta	Hymenoptera	Platygastoridae	(Platygasterinae)	<i>Platygasteroides</i>	<i>Isotassius</i>	sp 1										
Insecta	Hymenoptera	Platygastoridae	(Platygasterinae)	<i>Platygasteroides</i>	<i>Isotassius</i>	sp 2										
Insecta	Hymenoptera	Scelionidae	<i>Baeus</i>	<i>Baeus</i>	<i>Baeus</i>	sp 1										
Insecta	Hymenoptera	Scelionidae	<i>Baeus</i>	<i>Baeus</i>	<i>Baeus</i>	sp 2										
Insecta	Hymenoptera	Scelionidae	<i>Ceraubaeus</i>	<i>cabon</i>	<i>cabon</i>	sp 1										
Insecta	Hymenoptera	Scelionidae	<i>Itris</i>	<i>Itris</i>	<i>Itris</i>	sp 1										

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karamaillen		W E Transect					Diyandra				
					J1	M1	M2	M3	M4	M5	Mo	M7	M8	J8	PW's	W8
Insecta	Hymenoptera	Scelionidae	<i>Idris</i>	sp 2			+		+	+		+		+	+	+
Insecta	Hymenoptera	Scelionidae	<i>Idris</i>	sp 3			+	+				+		+	+	+
Insecta	Hymenoptera	Scelionidae	cf. <i>Idris</i>	sp 1												
Insecta	Hymenoptera	Scelionidae	<i>Mirabaeoides</i>	<i>isamanicus</i>	gen. nr. <i>Oxythacantha</i>	sp 1										
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 2			+	+			+	+	+	+	+	+
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 3		+										
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 4												
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 5				+	+							
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 6												
Insecta	Hymenoptera	Scelionidae	<i>Trissolcus</i>	sp 1		+										
Insecta	Hymenoptera	Scelionidae	<i>Telenomus</i>	sp 1												
Insecta	Hymenoptera	Scelionidae	(<i>Tribus Baenini</i>)	sp 1		+	+									
Insecta	Hymenoptera	Scelionidae	(<i>Scelioninae</i>)	sp 1		+	+	+								
Insecta	Hymenoptera	Scelionidae	(<i>Scelioninae</i>)	sp 2			+									
Insecta	Hymenoptera	Scelionidae	(<i>Scelioninae</i>)	sp 3												
Insecta	Hymenoptera	Scelionidae	(<i>Scelioninae</i>)	sp 4												
Insecta	Hymenoptera	Scelionidae	(<i>Scelioninae</i>)	sp 5		+										
Insecta	Hymenoptera	Scelionidae	(<i>Telenominae</i>)	sp 1												
Insecta	Hymenoptera	Scelionidae	(<i>Telenominae</i>)	sp 2				+	+							
Insecta	Hymenoptera	Scelionidae	(<i>Telenominae</i>)	sp 3												
Insecta	Hymenoptera	Eucolidae		sp 1												
Insecta	Hymenoptera	Chalcididae	<i>Anitrocephalus</i>	sp 1		+										
Insecta	Hymenoptera	Chalcididae	<i>Anitrocephalus</i>	sp 2												
Insecta	Hymenoptera	Chalcididae	<i>Brachymeria</i>	sp 1												
Insecta	Hymenoptera	Chalcididae	<i>Irrichohalinchella</i>	sp 1												
Insecta	Hymenoptera	Chalcididae	<i>Stenimvrea</i>	sp 1												
Insecta	Hymenoptera	Chalcididae	<i>Stenimvrea</i>	sp 2												
Insecta	Hymenoptera	Eurytomidae	? <i>Austrophorusmus</i>	sp 1												
Insecta	Hymenoptera	Eurytomidae	<i>Austroleole</i>	beenterleghi												
Insecta	Hymenoptera	Torymidae	<i>Bouyouomyia</i>	sp 1												
Insecta	Hymenoptera	Torymidae	<i>Bouyouomyia</i>	sp 2												
Insecta	Hymenoptera	Torymidae	<i>Megastigmus</i>	sp 1												
Insecta	Hymenoptera	Torymidae	<i>Megastigmus</i>	sp 2												
Insecta	Hymenoptera	Pteromalidae	<i>Agamerion</i>	sp 1		+	+									
Insecta	Hymenoptera	Pteromalidae	<i>Agamerion</i>	sp 2												
Insecta	Hymenoptera	Pteromalidae	<i>Agamerion</i>	sp 3												
Insecta	Hymenoptera	Pteromalidae	<i>Amerostemus</i>	sp 4				+								
Insecta	Hymenoptera	Pteromalidae	<i>Amerostemus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Austrotorobius</i>	paribrunnea												
Insecta	Hymenoptera	Pteromalidae	nr <i>Cerocephala</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Chromeurvioma</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Coelocyboides</i>	par												
Insecta	Hymenoptera	Pteromalidae	<i>Enoggera</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Eupelmophotismus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Eupelmophotismus</i>	sp 2												
Insecta	Hymenoptera	Pteromalidae	<i>Gastrancistrus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Gastrancistrus</i>	sp 2												
Insecta	Hymenoptera	Pteromalidae	<i>Kerrana</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Krasika</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Othelosia</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Pareinstenia</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	? <i>Premuscogaster</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Pseudanognathus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	nr <i>Pteromalus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Sirionia</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Situsus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Thaumaturus</i>	sp 1												
Insecta	Hymenoptera	Pteromalidae	(<i>Pteromalinae</i>)	sp 1												
Insecta	Hymenoptera	Pteromalidae	<i>Anastasis</i>	sp 1												
Insecta	Hymenoptera	Eupelmidae	<i>Brasema</i>	sp 1												
Insecta	Hymenoptera	Eupelmidae	<i>Eupelmus</i>	sp 1												
Insecta	Hymenoptera	Eupelmidae	(Eupelminae)	sp 5												
Insecta	Hymenoptera	Encyrtidae	<i>Anagyrus</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Austruchoreia</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Cheloncurus</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	? <i>Copidosoma</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Crotoniusia</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Eusiemiasius</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Fulgoricida</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Huntenius</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Lamennaisia</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Metaphycus</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	? <i>Metaphycus</i>	sp 2												
Insecta	Hymenoptera	Encyrtidae	<i>Metaphycus</i>	sp 3												
Insecta	Hymenoptera	Encyrtidae	<i>Microterys</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Oecocrytus</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Psyllaephagus</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Psyllaephagus</i>	sp. 2												
Insecta	Hymenoptera	Encyrtidae	<i>Psyllaephagus</i>	sp 3												
Insecta	Hymenoptera	Encyrtidae	<i>Syrphophagus</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Tetraneuroidea</i>	sp 1												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 2												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 3												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 4												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 5												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 6												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 7												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 8												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 9												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 10												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 11												
Insecta	Hymenoptera	Encyrtidae	<i>Encyrtidae</i>	sp 12												

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karrasullen		W F Trunet					Dryandra				
					J1	M1	M2	M3	M4	M5	M6	M7	M8	J6	PW8	W8
Insecta	Hymenoptera	Encyrtidae		sp 13			+							+		+
Insecta	Hymenoptera	Encyrtidae		sp 14												
Insecta	Hymenoptera	Encyrtidae		sp 15		+										
Insecta	Hymenoptera	Aphelinidae	<i>Ablerus</i>	sp 1	+	+	+	+	+	+	+	+		+		+
Insecta	Hymenoptera	Aphelinidae	<i>Ablerus</i>	sp 2												
Insecta	Hymenoptera	Aphelinidae	<i>Ablerus</i>	sp 3		+		+	+	+				+	+	+
Insecta	Hymenoptera	?Aphelinidae	<i>Ablerus</i>	sp 4												
Insecta	Hymenoptera	Aphelinidae	<i>Ablerus</i>	sp 5												
Insecta	Hymenoptera	Aphelinidae	<i>Ablerus</i>	sp 6												
Insecta	Hymenoptera	Aphelinidae	<i>Aphis</i>	sp 1		+										
Insecta	Hymenoptera	Aphelinidae	<i>Aphis</i>	sp 2												
Insecta	Hymenoptera	?Aphelinidae	<i>Bardylis</i>	sp 1												
Insecta	Hymenoptera	Aphelinidae	<i>Centradora</i>	sp 1												
Insecta	Hymenoptera	Aphelinidae	<i>Coccobius</i>	sp 1												
Insecta	Hymenoptera	Aphelinidae	<i>Coccophagus</i>	sp 1												
Insecta	Hymenoptera	Aphelinidae	<i>Encarsia</i>	sp 1		+										
Insecta	Hymenoptera	Aphelinidae	<i>Encarsia</i>	sp 2		+										
Insecta	Hymenoptera	Signiphoridae	<i>Characiocerus</i>	sp 1												
Insecta	Hymenoptera	Signiphoridae	<i>Thisanus</i>	sp 1		+										
Insecta	Hymenoptera	Eulophidae	<i>Aleurotopis</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	" <i>Prostocetus</i> "	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 2												
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 3		+		+		+						
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 4		+	+	+	+	+						
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 5												
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 6												
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 7												
Insecta	Hymenoptera	Eulophidae	<i>Prostocetus</i>	sp 8												
Insecta	Hymenoptera	Eulophidae	<i>Ceranitus</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Chrononotomyia</i>	sp 1		+										
Insecta	Hymenoptera	Eulophidae	<i>Chrononotomyia</i>	sp 2			+	+	+							
Insecta	Hymenoptera	Eulophidae	<i>Chrononotomyia</i>	sp 3			+	+	+							
Insecta	Hymenoptera	Eulophidae	<i>Chrononotomyia</i>	sp 4												
Insecta	Hymenoptera	Eulophidae	<i>Cirrospilus</i>	sp 2												
Insecta	Hymenoptera	Eulophidae	<i>Cirrospilus</i>	sp 3												
Insecta	Hymenoptera	Eulophidae	<i>Cirrospilus</i>	sp 4												
Insecta	Hymenoptera	Eulophidae	<i>Dialomorpha</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Dialomorpha</i>	sp 2												
Insecta	Hymenoptera	Eulophidae	<i>Entedon</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Euderus</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Euderus</i>	sp 2												
Insecta	Hymenoptera	Eulophidae	<i>Ophelimus</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Ophelimus</i>	sp 2												
Insecta	Hymenoptera	Eulophidae	<i>Ophelimus</i>	sp 3												
Insecta	Hymenoptera	Eulophidae	<i>Ophelimus</i>	sp 4												
Insecta	Hymenoptera	Eulophidae	<i>Ophelimus</i>	sp 5												
Insecta	Hymenoptera	Eulophidae	<i>Telocovirus</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Tetrastichus</i>	sp 1												
Insecta	Hymenoptera	Eulophidae	<i>Tetrastichus</i>	sp 2												
Insecta	Hymenoptera	Eulophidae	(Eulophinae)	sp 1												
Insecta	Hymenoptera	Eulophidae	(Eulophinae)	sp 2												
Insecta	Hymenoptera	Eulophidae	(Tetrastichinae)	sp 1												
Insecta	Hymenoptera	Eulophidae	(Tetrastichinae)	sp 2												
Insecta	Hymenoptera	Eulophidae	(Tetrastichinae)	sp 3												
Insecta	Hymenoptera	Eulophidae	(Tetrastichinae)	sp 4												
Insecta	Hymenoptera	Eulophidae	(Tetrastichinae)	sp 5												
Insecta	Hymenoptera	Trichogrammaidae	? <i>Blodella</i>	sp 1												
Insecta	Hymenoptera	Trichogrammaidae	<i>Brachysa</i>	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Trichogrammaidae	? <i>Oligosoma</i>	sp 1												
Insecta	Hymenoptera	Trichogrammaidae	? <i>Oligosoma</i>	sp 2												
Insecta	Hymenoptera	Trichogrammaidae	? <i>Oligosoma</i>	sp 3												
Insecta	Hymenoptera	Trichogrammaidae	(2 spp.)													
Insecta	Hymenoptera	Myrmeidae	<i>Alapius</i>	sp 1		+	+	+	+	+	+	+	+	+	+	+
Insecta	Hymenoptera	Myrmeidae	<i>Anagraea</i>	sp 1												
Insecta	Hymenoptera	Myrmeidae	<i>Anaphes</i>	sp 1		+	+									
Insecta	Hymenoptera	Myrmeidae	<i>Cerataphes</i>	sp 2			+									
Insecta	Hymenoptera	Myrmeidae	<i>Mimalaptus</i>	sp 1				+								
Insecta	Hymenoptera	Myrmeidae	? <i>Paranaphoidea</i>	sp 1					+							
Insecta	Hymenoptera	Myrmeidae	<i>Stephanodes</i>	sp 1						+						
Insecta	Hymenoptera	Myrmeidae	<i>Stethnium</i>	sp 1							+					
Insecta	Hymenoptera	Myrmeidae	<i>Stethnium</i>	sp 2								+				
Insecta	Hymenoptera	Myrmeidae	<i>Stethnium</i>	sp 3									+			
Insecta	Hymenoptera	(Chalcididae)		sp 1												
Insecta	Hymenoptera	?Sceliothyidae		sp 1												
Insecta	Hymenoptera	Dryinidae	(Gonatopodinae)	sp 1												
Insecta	Hymenoptera	Bethylidae	" <i>Epirus</i>	sp 1												
Insecta	Hymenoptera	Bethylidae	<i>Eupsenella</i>	sp 1												
Insecta	Hymenoptera	Bethylidae	<i>Gonozus</i>	sp 1												
Insecta	Hymenoptera	Bethylidae	<i>Holepvrus</i>	sp 1												
Insecta	Hymenoptera	Bethylidae	<i>Holepvrus</i>	sp 2												
Insecta	Hymenoptera	Bethylidae	<i>Holepvrus</i>	sp 3												
Insecta	Hymenoptera	Bethylidae	<i>Plasianurus</i>	sp 1												
Insecta	Hymenoptera	Bethylidae	<i>Rhabdepvris</i>	sp 2												
Insecta	Hymenoptera	Bethylidae	<i>Rhabdepvris</i>	sp 4												
Insecta	Hymenoptera	Bethylidae	? <i>Sierolu</i>	sp 1												
Insecta	Hymenoptera	Bethylidae	(Tribe Cephalonomini)	sp 1												
Insecta	Hymenoptera	Bethylidae	(Tribe Cephalonomini)	sp 2												
Insecta	Hymenoptera	Bethylidae	(Tribe Eovnni)	sp 1												
Insecta	Hymenoptera	Bethylidae	(Tribe Eovnni)	sp 3												
Insecta	Hymenoptera	Bethylidae	(Tribe Eovnni)	sp 4												
Insecta	Hymenoptera	Bethylidae	(Tribe Pristocerinae)	sp 1												
Insecta	Hymenoptera	Bethylidae	(Tribe Pristocerinae)	sp 2												
Insecta	Hymenoptera	Chrysitidae	<i>Pteromaloides</i>	faustus	sp ad			+								
Insecta	Hymenoptera	Pompilidae	<i>Edipomopslus</i>	sp 1												
Insecta	Hymenoptera	Pompilidae	<i>Emeclitus</i>	semibimaculatus												

Table 2. (contd.)

Class	Order	Family	Genus	Species	Karragullen		W F Transect					Draadro				
					J1	M1	M2	M3	M4	M5	M6	M7	M8	JK	PW3	W6
Insecta	Hymenoptera	Pompilidae	"Ephytomyrpha"	sp 1	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	venusta	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 1	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 1	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 2	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 3	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 4	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 6	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Mutillidae	"Ephytomyrpha"	sp 7	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Tiphidae	Erione	sp	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Tiphidae	Phymatoplianthus	schizochirina	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Tiphidae	Tachynomivida	?nitidus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Tiphidae	Tachynomivida	?ne dissimilis	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	?no humvrrma	maculiventris	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	?no vchomvrrma	ridicula	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Bothriomyrmex	JDH 835	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	JDH 433	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	chaleucus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	claripes	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	cf claripes	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	claripes marcus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	claripes minutus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	clavipes ad (JDM 25)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	clavipes ad (JDM 766)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	claripes ad (JDM 767)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	durignton	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	diversus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	drundras	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	ephupoum ad (JDM 212)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	ephupoum ad (JDM 285)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	ephupoum ad (JDM 549)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	extensus ad (JDM 63)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	gasseri	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	ribbomus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	innexus ad (JDM 108)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	innexus ad (JDM 430)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	michaelseni	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	nigricos	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	oetken	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	prostans	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	rubiginosus ad (JDM 179)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	rubiginosus ad (JDM 296)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	rubiginosus ad (JDM 765)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	walkeri ad (JDM 779)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	sp 1 (male)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Camponotus	dispar	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Crematogaster	laevigata chaseri	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Crematogaster	JDM 126	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Dolichoderus	darwiniiana	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Dolichoderus	glauerti	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Dolichoderus	JDM 838	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Edopastruma	frosti	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Edopastruma	sawestensis	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	bickelli ad (JDM 14)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	chasei	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	conifer	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	gracilis minor	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	notialis	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	occiduus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	raffoniger sachueri	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	JDM 12	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	humile	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	indescens ad (JDM 51)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	JDM 383	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	JDM 784	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	femoratus	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Iridomyrmex	JDM 866	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Meranoplus	so 1	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Meranoplus	eccentrica	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Meranoplus	laevigata	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Meranoplus	lawrensi	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Monomorium	laeve	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Monomorium	leiae	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Monomorium	sordidum	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Monomorium	sydneyense	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	desertorum	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	elegans	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	mandibularis	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	michaelseni	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	dicta	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	swalei	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	tepperi	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Myrmecia	urens ad (JDM 1)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Notoncus	hickmani	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Ochetellus	glaber ad (JDM 19)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pachycondyla	lutea	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pachycondyla	rufonigra	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pachycondyla	so 1 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pachycondyla	so 2 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	?hartmeyeri (male)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 1 (male)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	squamulosa	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	JDM 189	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	adelae	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	chasei	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	lutea	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	rufonigra	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 1 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 2 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	chasei	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	lutea	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	rufonigra	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 1 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 2 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	chasei	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	lutea	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	rufonigra	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 1 (queen)	-	-	-	-	-	-	-	-	-	-	-	-
Insecta	Hymenoptera	Formicidae	Pheidole	so 2 (queen)	-											

Table 2. (contd.)

Class	Order	Family	Genus	Species	W-E Transect							Dryandra					
					I	II	III	M2	M3	M4	M5	M6	M7	M8	J8	PW8	W8
Insecta	Hymenoptera	Formicidae	<i>Podomyrma</i>	<i>ibra</i>												+	
Insecta	Hymenoptera	Formicidae	<i>Podomyrma</i>	<i>macropithalma</i>													+
Insecta	Hymenoptera	Formicidae	<i>Podomyrma</i>	JDM 997													
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	<i>femorata</i>			+	+									
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	<i>phyre</i>													
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	<i>schwiedlandi</i>													
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	<i>sidnica complex</i>													
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	(<i>Campomyrma</i>) JDM 118													
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	(<i>Campomyrma</i>) JDM 390													
Insecta	Hymenoptera	Formicidae	<i>Polyrhachis</i>	(<i>Campomyrma</i>) JDM 804													
Insecta	Hymenoptera	Formicidae	<i>Prolasius</i>	<i>wheeleri</i>													
Insecta	Hymenoptera	Formicidae	<i>Prolasius</i>	JDM 109													
Insecta	Hymenoptera	Formicidae	<i>Prolasius</i>	sp 1 (male)													
Insecta	Hymenoptera	Formicidae	<i>Rhytidoponera</i>	<i>inornata</i> (m a)		+		+	+	+	+	+	+	+	+	+	
Insecta	Hymenoptera	Formicidae	<i>Rhytidoponera</i>	<i>metallica</i>		+		+	+	+	+	+	+	+	+	+	
Insecta	Hymenoptera	Formicidae	<i>Sigmacras</i>	<i>inermis</i>													
Insecta	Hymenoptera	Formicidae	<i>Sigmacras</i>	JDM 115													
Insecta	Hymenoptera	Formicidae	<i>Taenoma</i>	JDM 78													
Insecta	Hymenoptera	Formicidae	<i>Taenoma</i>	JDM 918													
Insecta	Hymenoptera	Formicidae	<i>Taenoma</i>	sp 1 (male)													
Insecta	Hymenoptera	Formicidae	<i>Tetramorium</i>	<i>capitale</i>													
Insecta	Hymenoptera	Formicidae	<i>Tetramorium</i>	(<i>cf striolatum</i>)													
Insecta	Hymenoptera	Formicidae	<i>Tetramorium</i>	sp 1 (male)		+											
Insecta	Hymenoptera	Formicidae	<i>Tetradonera</i>	<i>punctulata</i>													
Insecta	Hymenoptera	Formicidae	(<i>Formicinae</i>)	(male) sp 1		+		+									
Insecta	Hymenoptera	Formicidae	(<i>Formicinae</i>)	(male) sp 2													
Insecta	Hymenoptera	Formicidae	(<i>Formicinae</i>)	(male) sp 3													
Insecta	Hymenoptera	Formicidae	(<i>Formicinae</i>)	(male) sp 4													
Insecta	Hymenoptera	Sphingidae	<i>Niela</i>	sp 1													
Insecta	Hymenoptera	Sphingidae	<i>Arpaciaphilus</i>	sp 1													
Insecta	Hymenoptera	Sphingidae	<i>Sphomena</i>	sp 1													
Insecta	Hymenoptera	Colletidae	? <i>Euhesma</i>	sp 1													
Insecta	Hymenoptera	Colletidae	<i>Euryglossina</i>	<i>alcyanus</i>													
Insecta	Hymenoptera	Colletidae	<i>Hylaeus</i>	sp 1													
Insecta	Hymenoptera	Colletidae	<i>Hylaeus</i>	sp 1													
Insecta	Hymenoptera	Colletidae	<i>Lasioglossum</i>	sp 1													
Insecta	Hymenoptera	Colletidae	<i>Megachile</i>	sp 1													
Insecta	Hymenoptera	Apidae	<i>Apis</i>	<i>mellifera</i>													
Insecta	Hymenoptera	Apidae	<i>Epeorus</i>	sp 1													
Insecta	Hymenoptera	Apidae	<i>Epeorus</i>	sp 2													
Total species					313	276	290	285	271	288	383	335	396	320	422	494	
Total families					136	121	124	119	121	119	133	128	138	127	143	157	
Total species at Karragullen							416										
Total families at Karragullen							162										
Total species overall														1234			
Total families overall														280			

Table 3. Invertebrate species collected from loamy soil (under flooded gum) and in laterite (under jarrah and marri) for both soil and litter substrates at Dwellingup.

Class	Subclass, Order (etc.)	Family	Genus	Species	Litter		Stratum	
					Loam	Litter	Soil	Litter
Arachnida	Pseudoscorpiones	Atemnidae	<i>Oraetinus</i>	<i>curvus</i>	+	+	+	+
Arachnida	Pseudoscorpiones	Cheliferidae	<i>Protochelifer</i>	<i>spp</i>		+	+	+
Arachnida	Pseudoscorpiones	Chthoniidae	<i>Austrochthonius</i>	<i>sp</i>	+	+	+	+
Arachnida	Pseudoscorpiones	Chthoniidae	<i>Lagynochthonius</i>	<i>australicus</i>	+			
Arachnida	Pseudoscorpiones	Chthoniidae	<i>Pseudotyranochthonius</i>	<i>sp.</i>	+	+		
Arachnida	Pseudoscorpiones	Olpidae	gen. B	<i>sp</i>		+	+	+
Arachnida	Pseudoscorpiones	Olpidae	<i>Solinus</i>	<i>sp</i>		+		+
Arachnida	Pseudoscorpiones	Olpidae		<i>sp</i>	+	+		+
Arachnida	[various]	[various]	[various]	[various spp.]	[73+]	[89+]	[79+]	[72+]
Diplopoda	Chilognatha	Dalodesmidae	?gen. nov. nr. <i>Sphaerotrichodus</i>	<i>sp</i>				+
Diplopoda	Chilognatha	Indomorphidae	<i>Atelomasix</i>	<i>sp</i>		+		+
Diplopoda	Chilognatha	Indomorphidae	<i>Podykipus</i>	<i>sp.</i>				+
Diplopoda	Chilognatha	Indomorphidae	<i>Podykipus</i>	?sp. n.	+			
Diplopoda	Chilognatha	Paradoxosomatidae	<i>Antichiropus</i>	<i>sp. nov</i>	+	+		+
Diplopoda	Chilognatha	Polyzonidae	<i>Rhynous</i>	<i>sp.</i>		+		+
Diplopoda	Chilognatha	Polyzonidae	<i>Dinacambola</i>	<i>sp</i>	+			
Diplopoda	Pselaphognatha	Polyxenidae	<i>Phryssonotus</i>	<i>capensis</i>		+		+
Diplopoda	Pselaphognatha	Polyxenidae	<i>Phryssonotus</i>	<i>sp</i>		+		+
Diplopoda	Pselaphognatha	Polyxenidae	<i>Polyxenus</i>	<i>chalcidicus</i>				+
Diplopoda	Pselaphognatha	Polyxenidae	<i>Unixenus</i>	aff. <i>attenuata</i>		+		+
Diplopoda	Pselaphognatha	Polyxenidae	<i>Unixenus</i>	<i>sp</i>		+		+
Symplygia			<i>Hansenella</i>	<i>sp</i>	+	+	+	+
Symplygia			<i>Scolopendrellopsis</i>	<i>sp.</i>	+	+	+	+
Symplygia			<i>Sympylella</i>	<i>sp</i>	+	+	+	+
Pauropoda	Hexamerocerata	Brachypauropodidae	gen. nov.	<i>sp 91</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Allopauropus)</i>	<i>sp 21</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Allopauropus)</i>	<i>sp 22</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Allopauropus)</i>	<i>sp 23</i>		+		
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Allopauropus)</i>	<i>sp 24</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Allopauropus)</i>	<i>sp 25</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Allopauropus)</i>	<i>sp 26</i>		+		+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 41</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 42</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 43</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 44</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 45</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 46</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 47</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 48</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 49</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 50</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 51</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 52</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 53</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 54</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 55</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 56</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 57</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 58</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>sp 59</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Allopauropus (Decavauropus)</i>	<i>spicatus</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Hemipauropus</i>	<i>sp 11</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Pauropus</i>	<i>sp 31</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Pauropus</i>	<i>sp 32</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Pauropus</i>	<i>sp 33</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Polypauropes</i>	<i>sp 81</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Polypauropes</i>	<i>sp 82</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Rhabopauropus</i>	<i>sp 71</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Scleropauropus</i>	<i>sp 101</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Stylopauropoides</i>	<i>borealis</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Stylopauropoides</i>	<i>sp 1</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Stylopauropoides</i>	<i>sp 2</i>	+	+	+	+
Pauropoda	Hexamerocerata	Pauropodidae	<i>Stylopauropoides</i>	<i>sp 3</i>	+			
Pauropoda	Hexamerocerata	Pauropodidae	<i>Stylopauropoides</i>	<i>sp 4</i>	+			
Collembola	Arthropleona	Neanuridae	<i>Cassagnella</i>	<i>sp</i>	+			
Collembola	Arthropleona	Neanuridae	<i>Massoudella</i>	<i>sp</i>				
Collembola	Arthropleona	Neanuridae	<i>Seranodosa</i>	<i>sp</i>				
Collembola	Arthropleona	Neanuridae	Tribe Neanurini	<i>sp 1</i>	+	+		
Collembola	Arthropleona	Neanuridae	Tribe Psudacoboniti	<i>sp 1</i>	+	+		
Collembola	Arthropleona	Neanuridae	Tribe Psudacoboniti	<i>sp 2</i>	+	+		
Collembola	Arthropleona	Odontellidae	<i>Caufrenvillodes</i>	<i>sp</i>	+	+		
Collembola	Arthropleona	Odontellidae	Tribe Odontellini	<i>sp 1</i>	+	+		
Collembola	Arthropleona	Odontellidae	Tribe Odontellini	<i>sp 2</i>	+	+		
Collembola	Arthropleona	Odontellidae	Tribe Odontellini	<i>sp 3</i>	+	+		
Collembola	Arthropleona	Brachystomellidae	Tribe Brachystomellini	<i>sp 1</i>	+	+		
Collembola	Arthropleona	Hypogastruridae	<i>Xerylla</i>	<i>sp.</i>	+			
Collembola	Arthropleona	Onychiuridae	<i>Tulbergia</i>	<i>krausbaueri</i>	+	+		
Collembola	Arthropleona	Onychiuridae	<i>Tulbergia</i>	<i>sp.</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Acanthomurus</i>	<i>sp 1</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Acanthomurus</i>	<i>sp 2</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>anarcicus a</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>anarcicus b</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>cæcius</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>dubius</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>sp 5</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>sp 6</i>	+	+		
Collembola	Arthropleona	Isotomidae	<i>Cryptopygus</i>	<i>therophilus</i>	+			

Table 3. (contd.)

Class	Subclass, Order (etc.)	Family	Genus	Species	Soil Type		Stratum	
					Loam	Laterite	Soil	Litter
Collembola	Arthropoena	Isotomidae	<i>Folsomia</i>	sp.	+		+	+
Collembola	Arthropoena	Isotomidae	<i>Folsomides</i>	<i>exiguus</i>		+	+	+
Collembola	Arthropoena	Isotomidae	<i>Isotoma</i>	sp 1	+	+	+	+
Collembola	Arthropoena	Isotomidae	<i>Isotoma</i>	sp 2	+	+	+	+
Collembola	Arthropoena	Isotomidae	<i>Isotoma</i>	sp 3		+	+	+
Collembola	Arthropoena	Isotomidae	<i>Isotomella</i>	sp.		+	+	+
Collembola	Arthropoena	Isotomidae	<i>Isotomodes</i>	sp.	+	+	+	+
Collembola	Arthropoena	Isotomidae	<i>Poisotoma</i>	sp.		+	+	+
Collembola	Arthropoena	Isotomidae	<i>Sorensia</i>	sp.	+	+	+	+
Collembola	Arthropoena	Isotomidae	<i>Tamocerura</i>	sp.	+	+	+	+
Collembola	Arthropoena	Entomobryidae	? <i>Willowsia</i>	sp.	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Drepanura</i>	sp.		+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Entomobrya</i>	<i>lamingtonensis</i>	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Entomobrya</i>	<i>multifasciata</i>	+		+	+
Collembola	Arthropoena	Entomobryidae	<i>Lepidobrya</i>	sp.	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Lepidocyrtoides</i>	sp. 1	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Lepidocyrtoides</i>	sp. 2		+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Lepidocyrtus</i>	sp.	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Lepidocyrtus</i>	sp. 2	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Lepidosiro</i>	<i>terreregiae</i>	+	+	+	+
Collembola	Arthropoena	Entomobryidae	<i>Pseudusinella</i>	sp.	+	+	+	+
Collembola	Neelipeona	Neelidae	<i>Megalothorax</i>	sp.	+	+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Sminthurinus</i>	sp 1	+	+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Sminthurinus</i>	sp 2	+	+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Sphaeridia</i>	sp.		+	+	+
Collembola	Symplypleona	Sminthuridae	gen. nr. <i>Paralutonaria</i>	sp.	+			
Collembola	Symplypleona	Sminthuridae	<i>Polytanaria</i>	sp.		+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Ananna</i>	sp. 1	+	+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Ananna</i>	sp. 2		+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Karanna</i>	sp. 3		+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Arenopodunitis</i>	sp.		+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Rasimopes</i>	sp.	+	+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Cornutaforma</i>	<i>vulgaris</i>	+	+	+	+
Collembola	Symplypleona	Sminthuridae	<i>Temerus</i>	sp.	+	+	+	+
Collembola	Symplypleona	Dicyrtomidae	indet.	sp.		+	+	+
Insecta	Isoptera	Rhinotermidae	<i>Coptohermes</i>	sp.		+	+	+
Insecta	Isoptera	Rhinotermidae	<i>Heterohermes</i>	<i>occidentus</i>	+		+	+
Insecta	Isoptera	Rhinotermidae	<i>Heterohermes</i>	<i>plarycephalus</i>	+		+	+
Insecta	Isoptera	Rhinotermidae	<i>Hererohermes</i>	sp.	+	+	+	+
Insecta	Isoptera	Termitidae	<i>Amihermes</i>	sp.	+	+	+	+
Insecta	Isoptera	Termitidae	<i>Occasitermes</i>	<i>occasius</i>	+	+	+	+
Insecta	Isoptera	Termitidae	<i>Occasitermes</i>	sp.		+	+	+
Insecta	Isoptera	Termitidae	<i>Termes</i>	<i>Paracapritermes</i>	+	+	+	+
Insecta	Isoptera	Termitidae	<i>Tumulitermes</i>	sp.	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Cerobasis</i>	sp.		+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. A	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. B	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. C		+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. D	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. E	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. F	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. G	+	+	+	+
Insecta	Psocoptera	Liposcelidae	<i>Liposcelis</i>	sp. H	+	+	+	+
Insecta	Psocoptera	Sphaeropscoidae	<i>Sphaeropscopsis</i>	sp.	+	+	+	+
Insecta	Psocoptera	Ectopsocidae	<i>Ectopsocus</i>	<i>spectularis</i>	+		+	+
Insecta	Thysanoptera	Merophytipidae	<i>Merophytipus</i>	sp.	+		+	+
Insecta	Thysanoptera	Thripidae	<i>Australothrips</i>	sp.	+		+	+
Insecta	Thysanoptera	Thripidae	<i>Homochaeothrips</i>	sp.	+		+	+
Insecta	Thysanoptera	Thripidae	indet.	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Allothrips</i>	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Biconthrius</i>	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Carioentothrips</i>	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Emprossothrips</i>	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Pellinothrips</i>	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Phaudothrips</i>	sp.	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Preissneria</i>	sp.	+		+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Sophoothrips</i>	sp.	+		+	+
Insecta	Thysanoptera	Phlaeothripidae	<i>Stephanothrips</i>	sp.	+		+	+
Insecta	Thysanoptera	Phlaeothripidae	gen. nov.	sp. P	+	+	+	+
Insecta	Thysanoptera	Phlaeothripidae	gen. nov.	sp. Z	+		+	+
Insecta	Thysanoptera	Phlaeothripidae	indet.	sp.		+	+	+
Insecta	Thysanoptera	Thripidae	indet.	sp.				
Insecta	Hymenoptera	Ichnecumidae	indet.	sp. 1	+	+	+	+
Insecta	Hymenoptera	Ceraphronidae	indet.	sp. 2	+	+	+	+
Insecta	Hymenoptera	Ceraphronidae	indet.	sp. 3	+	+	+	+
Insecta	Hymenoptera	Ceraphronidae	indet.	sp. 4	+		+	+
Insecta	Hymenoptera	Ceraphronidae	indet.	sp. 5		+		+
Insecta	Hymenoptera	Ceraphronidae	indet.	sp. 6	+		+	+
Insecta	Hymenoptera	Ceraphronidae	indet.	sp. 7	+		+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 1		+	+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 2		+	+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 3		+	+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 4		+	+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 5		+	+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 6		+	+	+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 7		+		+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 8		+		+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 9		+		+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 10		+		+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 11		+		+

Table 3. (contd.)

Class	Subclass, Order (etc.)	Family	Genus	Species	Type		n + n	
					Loam	Loam	Soil	Litter
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 12	+			+
Insecta	Hymenoptera	Megaspilidae	indet.	sp. 13	+			+
Insecta	Hymenoptera	Bracidae	indet.	sp.	+	+	+	+
Insecta	Hymenoptera	Plarygastoridae	indet.	sp.		+		+
Insecta	Hymenoptera	Plarygastoridae	indet.	sp.	+	+	+	+
Insecta	Hymenoptera	Plarygastoridae	indet.	sp.	+	+		+
Insecta	Hymenoptera	Eucolidae	indet.	sp.	+			+
Insecta	Hymenoptera	Eulophidae	indet.	sp.	+			+
Insecta	Hymenoptera	Eulophidae	indet.	sp.	+	+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Eulophidae	indet.	sp.		+		+
Insecta	Hymenoptera	Bethylidae	indet.	sp.	+	+	+	+
Insecta	Hymenoptera	Mutillidae	indet.	sp.		+		+
Insecta	Hymenoptera	Tiphidae	indet.	sp.		+		+
Total species					189	242	180	222
Total families					32	37	25	38