

Saproxylic invertebrate scoping survey of Franchises Lodge RSPB reserve, New Forest, Wiltshire

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Fig. 1. *Triplax lacordairii*, Endangered at the European level, found at Tuckers Hat in June.

0 - Summary

Franchises Lodge is a large 386ha woodland site in the New Forest, acquired by the RSPB in 2018. It is predominantly a pine plantation but there is a significant area of Beech/Yew woodland to the south east known as Tuckers Hat, that is designated as SSSI (part of the much larger New Forest SSSI).

The author was commissioned to carry out a three-visit survey of saproxylic invertebrates. Due to COVID-19, the project was postponed until early June. Additionally, a warm and very dry spring meant that 2020 was an advanced season and the author was not able to get to the site until June 4th, after a key period of saproxylic invertebrate activity had passed. Visits in July and September were also made. Large veteran trees, fallen timber, bracket fungi and blossom were all targeted. Additionally, beating foliage was used extensively.

A total of 266 invertebrates were recorded, this is a low total for one of the author's three-visit surveys but is a good total considering the remit was to target deadwood invertebrates. Of these 266 species, 25 of which had some form of conservation status. That is 9.4%, this is higher than the author's mean total for all surveys of 6.0% and this is also directly down to the focus on saproxylic invertebrates, many of which have conservation status. If therefore, a more general survey were carried out, this proportion would likely be much lower.

Perhaps the most significant find of the survey was *Triplax lacordairii* (found to be new to Wiltshire - see figure 1 above). This RDB3 beetle is Endangered at the European level and is usually found in bracket fungi, especially oyster mushrooms as it was here in Tuckers Hat. Also in Tuckers Hat was the discovery of the RDB3 crane fly *Tipula selene*.

A total of eight species were recorded new to Wiltshire and a further three species new to Vice County 8. The non-native bark beetle, originally from North America, *Gnathotrichus materiarius*, was found on the 10th September along the Power Lines. First recorded in 2013 in North Wiltshire and found to be widespread in the New Forest. This can be a pest species on pines.

Around 75 of all species recorded (nearly 30%) could be considered to be saproxylic. Of these, 56 native saproxylic beetles qualify for the Saproxylic Quality Index (SQI). A further six species were added to this total from record held by the RSPB made in 2018 bringing the total of qualifying species to 62. The SQI for the site was found to be 395.16 (ranking it at 98th place nationally) and the Index of Ecological Continuity was 28 (ranked at 95th place nationally).

Analysis using Pantheon shows the site to be in favourable condition for its assemblages associated with deadwood and scrub, while other assemblages lacked enough species to be assessed as in favourable condition. This is not surprising given the focus of the survey.

The site clearly has value for saproxylic invertebrates (and invertebrate in general) but was difficult to work. Much of the interest appears to be clustered around the Tuckers Hat area and management for deadwood invertebrates should be focused around here.

Additional survey visits in April and May are highly recommended. Ideally, interception trapping around Tuckers Hat should be carried out too and a wider invertebrate survey is also suggested.

Management and monitoring recommendations are provided.

1 - Introduction

Franchises Lodge is a large 386ha woodland site in the New Forest, acquired by the RSPB in 2018. It is the RSPB's first site in the New Forest. It is predominantly a pine plantation but there is a significant area of Beech/Yew woodland to the south east (Tuckers Hat). This area is designated as a SSSI, being unit 027 of the much larger New Forest SSSI. The unit was classed as 'unfavourable recovering' when it was last assessed in 2013 by Natural England. A 'high' threat status is assigned to the unit but it was not possible to see what this threat is. There are smaller pockets of SSSI peppered throughout the wood.

There has been limited access to the site for many years and therefore, there are few existing records from the site.

A survey of veteran trees by the RSPB in 2018, highlighted the value of the site for saproxylic invertebrates and a survey of the site was suggested.

The author was commissioned to survey the site over three days in 2020 but with limited time available for microscopic identification. Unfortunately, due to COVID-19, the author was not able to get to the site until 4th June, missing a significant period for saproxylic invertebrates. This was further exacerbated by the spring/early-summer drought which made finding deadwood invertebrates at this site extremely difficult.

2 - Methodologies

On each visit, the methods pertinent to the season were used, being: sweeping, beating, suction-sampling, grubbing, searching flowers, turning logs etc. The focus of the survey was on saproxylic beetles and deadwood but an attempt to find blossom was also made as this is a key way to find saproxylic beetles. In the Tuckers Hat area, peeling back a small amount of bark was necessary on fallen trees and limbs to find beetles. Here, pulling apart bracket fungi was also productive.

A suction sampler was also used on the final visit along the Power Lines and any non-saproxylic invertebrates of note were also recorded when found.

All records were recorded to a generic grid reference at the centre of each compartment (a site centroid). All records will be passed in time to the Wiltshire records centre. Any especially rare species recorded elsewhere on the site were recorded to a higher resolution using an eight-figure grid reference and are mapped in figure 22 below.

The data for the native saproxylic beetles was entered into the Saproxylic Quality Index (SQI) spreadsheet to produce both an SQI and an Index of Ecological Continuity (IEC).

The site was visited on three occasions that were much later than the author would have liked due to COVID-19 and the late start and advanced season. The survey visits were:

- 4th June
- 11th July
- 10th September

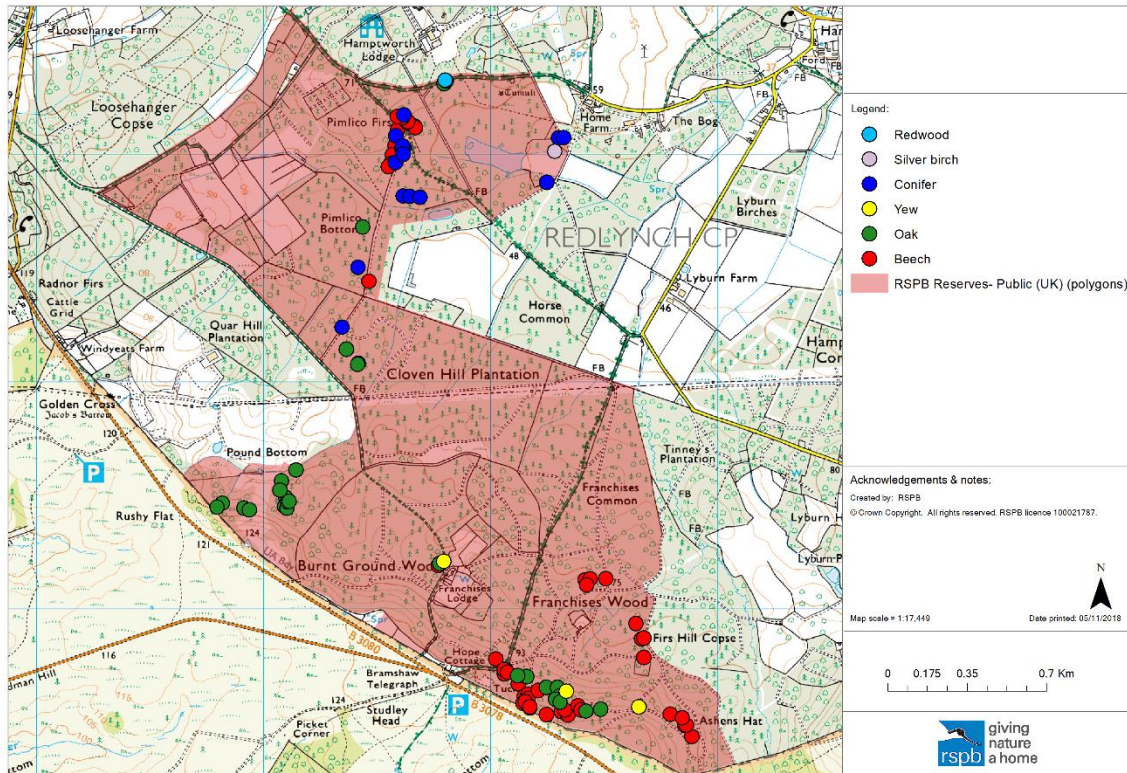


Fig. 2. Map of the site.

Recording

The site sits in the 10 km square SU21 just on the Wiltshire side in vice county 8 (South Wiltshire or VC8), it appears therefore to be quite an unrecorded area of both Wiltshire and the New Forest with a number of species new to Wiltshire recorded in this survey. Conversations with the county recorders suggested that there had been restricted access into the site for decades, meaning next to no recording has been carried out in the wood.

Coverage

With such a large site and limited time, coverage was limited to the southern half of the site, south of the Power Lines with the vast bulk of the saproxylic species recorded in the Tuckers Hat area. Recording saproxylics away from Hawthorn is quite a laborious task, with a great deal of sampling not producing anything, therefore these tasks need to be repeated very frequently to start building up a list. Pound Bottom Wood was investigated during the first visit but was found to be poor for saproxylics and difficult to access with six-foot high Bracken dominating open areas.

One area that does look better for invertebrates is the area consisting of a series of fields and hedgerows near Loosehanger Copse/Pimlico (two of the small meadows here are marked as SSSI units) and an effort to look for beatable Hawthorns in April/May in this area would definitely add to the understanding of the site's saproxylic fauna.

3 - Results

3.1 - Summary of findings

A total of 266 invertebrates were recorded, this is a low total for one of the author's three-visit surveys but is a good total considering the remit was to target deadwood invertebrates. Of these 266 species, 25 of which had some form of conservation status (9.4%). This is higher than the author's mean total for all surveys of 6.0% and this is also directly down to the focus on saproxylics, many of which have conservation status. If therefore a more general survey were carried out, this proportion would likely be much lower. Around 75 of these species (nearly 30%) could be considered to be, in one form or another, saproxylic. Of these, 56 native saproxylic beetles qualify for the Saproxylic Quality Index.

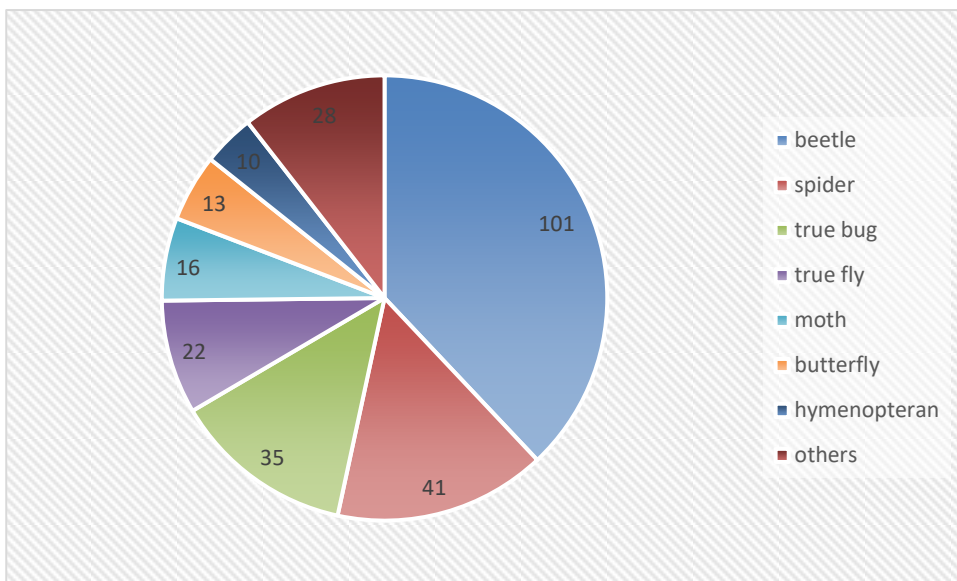


Fig. 3. Breakdown of the invertebrate groups recorded.

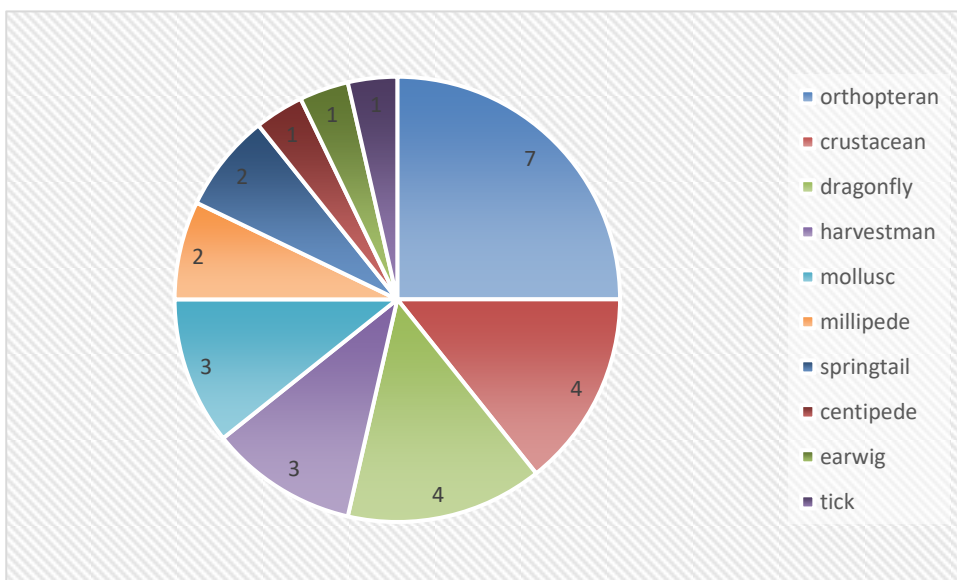


Fig. 4. 'Others' from figure 3 above.

3.2 - Species with conservation status

Conservation status is a complex issue. Each taxonomic group has used a slightly different set of criteria for assessing their species. Within each group, some species are assessed more often or more thoroughly than others. Some are long overdue and as a result there are two systems running at present. Mike Edwards has kindly allowed the author to use this text to explain both systems.

“GB Conservation Status categories are in the process of being upgraded. This means that it is currently necessary to provide values for both systems as not all groups have been dealt with.

The old RDB (Red Data Book) Conservation Status categories were based purely on the number of 10km squares which a species was known to have been recorded from, with a base-line date of 1970. These categories are obviously susceptible to the progressive accumulation of new records over time. This is especially so as, for some species in particular, non-specialist recording has increased significantly. There are also known changes in range and abundance which have been increasingly commented on by specialists.

The old system graded species like this:

RDB 1. Endangered. Species currently (post 1970) known to exist in five or fewer ten-kilometre squares.

RDB 2. Vulnerable. Species in severely declining or vulnerable habitats, or of low known populations. Known to exist (post 1970) in ten, or fewer, ten-kilometre squares.

RDB 3. Rare. Species with small populations, not at present Endangered or Vulnerable, but which are felt to be at risk. Species currently known to exist (post 1970) in fifteen, or fewer, ten-kilometre squares.

RDB K. Species of undoubted RDB rank, but with insufficient information for accurate placement; includes possible recent arrivals.

Nationally Scarce. Species currently (post 1970) known to exist in one hundred, or fewer, ten-kilometre squares.

In some groups these are further sub-divided into:-

Nationally Scarce a. Species currently (post 1970) known to exist in thirty, or fewer, ten-kilometre squares.

Nationally Scarce b. Species currently (post 1970) known to exist in thirty-one to one hundred ten-kilometre squares.

The new IUCN-type Red Data Book Conservation Status categories are based on perceived threat, of which distribution is only one part, the other being related to the population trend over the 10 years previous to the assessment, for the species in question. Such trends may be inferred from accumulated specialist knowledge, but, as the quantity and quality of data improves increasing effort is being made to model such changes. The output of such modelling being then compared with the specialist knowledge. Species with a negative trend may not be inherently rare, it is the decline which is the significant factor.

The new system grades species like this (This is very much a summary, there is considerable detail to this, please consult the group-appropriate published Great Britain Red List for a better understanding of how the gradings have been arrived at):

Regionally Extinct (RE). See group-appropriate Red List for criteria. In general, a sufficiently long time has elapsed since the last record of this species.

Critically Endangered (CE). Species with a very severe decline in population trend or geographic range within the area considered.

Endangered (E). Species with a severe decline in population trend or geographic range within the area considered.

Vulnerable (V). Species with a marked decline in trend or geographic range within the area considered.

Near Threatened (NT). Species which are suspected to qualify for Vulnerable, but where the data does not quite support such a category.

Least Concern (LC). Species which show no marked negative population trend or geographic range. Indeed, they may have positive values for either or both.

There will be a number of species where it has been considered that there is insufficient information to provide a supported grading, such species are called Data Deficient (DD). There are also categories for invasive (with anthropogenic agency) species, which are usually assessed as Not Applicable (NA).

The IUCN Red List system was primarily developed for assessing large mammal populations and fish stocks, adapting it for invertebrates is, inevitably, an experimental process and it is to be expected that there will be variability in its application and interpretation between groups. However, each published GB Red List has information on the actual way in which decisions have been arrived at. These should be consulted where necessary.

There is no inherent equivalence between the old and new systems

Great Britain has a considerable environmental gradient from north to south and, to a lesser extent, east to west. Species which are stable in their trend or geographic extent may still be considerably limited by the availability of suitable habitat resources. In order that such species do not get missed from conservation considerations a second, parallel, system of GB scarcity has been developed. This is similar to the old Conservation Status system in that it is based on the number of 10km squares which the species is known from, in a given time period, usually 30 years previous to the date of the assessment.

Categories for this National Scarcity rating are:

NR, with 1-15 10km occupied squares

NS, with 16 to 100 10km occupied squares.

Clearly both systems will require periodic revision if they are to remain relevant to the needs of a modern country and the conservation of its fauna.”

'Research BAP' was a different tier of BAP which was never meant to have equivalence to the true BAP list. It was targeted at a long list of common but declining moths so that research could be targeted at them to understand their decline. This was rapidly forgotten by consultants and databases so that most consultants will list species on the research BAP (such as Cinnabar) as having the same conservation value as something on the true BAP list. Therefore, no species on the 'Research BAP' are ever given equivalence in the author's surveys and removed from any calculations regarding 'species with conservation status'.

3.2.1 - Saproxylic invertebrates with conservations status

3.2.1.2 - Coleoptera (beetles)

A total of 101 beetles were recorded, with 56 of these being native saproxylics and a further five non-native saproxylic species noted. A total of 14 beetles were found to have conservation status, 12 of which were classed as saproxylic. Throughout this section, the reader is encouraged to cross reference the locations of these records shown in figure 22 below.

Anthocomus fasciatus - Nationally Scarce

A single animal was beaten from Elder blossom, one of the few nectar sources available during the 4th May along the long Power Lines glade.



Fig. 5. *Anthocomus fasciatus*.

***Colydium elongatum* - Nationally Scarce**

Found on a Beech during the 4th May visit in Tuckers Hat. This elongate beetle is a predator of other saproxylic beetles.



Fig. 6. *Colydium elongatum* taken at Knepp in 2020.

***Diplocoelus fagi* - Nationally scarce b**

Found on the fallen Beech near the entrance on the 4th June under bark, which is typical for this species.



Fig. 7. *Diplocoelus fagi*.

***Euglenes oculatus* - Nationally Scarce**

A single female was recorded on the July visit by beating oak foliage in Tuckers Hat. The species develops in red rot of hollow oak trees, a resource that was not observed during the survey.

***Hylis olexei* - RDB3**

A single individual was found near SU23161673 on 11th July, on the same tree that *Thymalus limbatus* and *Tipula selene* were found. The specimen was unfortunately damaged during collection but enough was retained to confirm the identification. The larvae develop in the decaying heartwood of Beech, the only other record the author has of this species is from Ebernoe Common in West Sussex, which has a very similar nature to the Tuckers Hat area.

***Phloiotrya vaudoueri* - Nationally Scarce, apparently new to VC8**

A single adult was beaten from a dead branch on the 2nd visit on the 11th July. Thought to feed in soft dead sapwood of oak and Beech. This the first time the author has encountered this species. This is thought to be new to vice county 8 but not to Wiltshire generally.



Fig. 8. *Phloiotrya vaudoueri*.

***Platypus cylindricus* - Nationally Scarce**

A single animal was found during the second visit in Tuckers Hat on the 11th June. This species will not retain its status in the coming review. Known as the Oak Pin-hole Borer, its presence is usually given away by small piles of sawdust like frass on fallen oaks.

***Silvanus bidentatus* - Nationally Scarce**

Found on a fallen Beech near the entrance on the 4th June. *Silvanus unidentatus* was also present here. Both species are found under sappy bark of oak and Beech.

***Stictoleptura scutellata* - Nationally Scarce**

One adult was found at the fallen Beech near the entrance on the second visit in July. This species of longhorn is well known from the New Forest.



Fig. 9. *Stictoleptura scutellata*.

***Taphrorychus bicolor* - Nationally scarce a**

This tiny bark beetle was found on the 11th July in the Tuckers Hat area. This is a fairly frequently encountered bark beetle in the south east, despite its status. It is unlikely to lose this status in the upcoming review. In smaller branches and twigs of Beech and also Hornbeam.

***Thymalus limbatus* - Nationally Scarce**

This beetle was recorded on the first and third visits in Tuckers Hat. It is found beneath loose bark on various broad-leaved trees. The New Forest is approaching the eastern limit of its range in the UK.



Fig. 10. The distinctively shaped *Thymalus limbatus*.

***Triplax lacordairii* - RDB3, Endangered at European level, apparently new to Wiltshire**
Recorded in two close-by locations in the early June visit, where both were beaten from old oyster mushrooms. A wealth of oyster mushrooms were also recorded during the September visit but the number of saproxylic species found then was very low. According to Keith Alexander and Marc Arbuckle, this a new county record. Although the species is well known from the New Forest, it is not known from Wiltshire part.



Fig. 11. One of the *Triplax lacordairii* found in June.



Fig. 12. Fallen Beech where four *Triplax lacordairii* were beaten from an old shrivelled and dry oyster mushroom.

3.2.1.2 - Diptera (true flies)

A total of 22 flies were recorded, five of which were thought to be saproxylic. Two of these were known to have conservation status. Thanks to Alice Parfitt for recording several species during the July visit.

***Tipula selene* - RDB3**

A pupa was found under bark during the first visit and was collected. Within several days, the pupa hatched into an adult crane fly. This is a large and impressive species, which the author has only recorded once before at Ebernoe Common with Mike Edwards, a woodland that has many similarities to the Tuckers Hat part of the site. Interestingly the record happened in exactly the same way with a pupa being found and collected that emerged a few days later. Perhaps this is the best way to record this rare species.



Fig.13. The impressive female *Tipula selene*.

***Xylota abiens* - Nationally Scarce**

Collected by the author in Tuckers Hat on the 11th July and passed to Alice Parfitt for confirmation. This species is associated with wetter woodland, often with streams and is thought to develop in Alder and Beech.

3.2.2 - Additional species with conservation status

The following species are not considered saproxylic but are noted here as they have some form of conservation status.

3.2.2.1 - Araneae (spiders)

Of the 41 species recorded, seven were found to have conservation status and three of these were found to be new to Wiltshire.

***Hyptiotes paradoxus* - Nationally Scarce, new to Wiltshire**

This highly charismatic spider is thought to be associated with Yew but this individual was beaten off a lower limb of an oak in dense woodland in Tuckers Hat on the 10th September. It is only the third time the author has encountered this species.



Fig. 14. Immature *Hyptiotes paradoxus* was new to Wiltshire.

***Evarcha arcuata* - Nationally Scarce**

Found along the Power Lines on the 10th September. It was found on short vegetation on the edge of the track. Typically associated with heathlands, bogs and *Molinia* but occasionally is found in neutral grassland.

***Sibianor aurocinctus* - Nationally Scarce, new to Wiltshire**

This species of jumping spider is spreading rapidly in the south east, it is now one of the most common jumping spiders the author records. It is thought to be new to Wiltshire. It was found in several places along the Power Lines in September.



Fig. 15. A male *Sibianor aurocinctus* under the microscope.

***Micrommata virescens* - Nationally Scarce**

A single moribund female was swept from *Molinia* along the main north-south ride from the southern car park to the north east end of the Power Lines on the 11th July. This is one of the authors stock photos of this impressive spider.



Fig. 16. A female *Micrommata virescens* (photo taken in Sussex).

***Nigma puella* - Nationally Scarce**

A single adult female was recorded along the Power Lines on the 4th June by beating hedgerows. The spider is known from the south east end of Wiltshire but this does appear to be a new 10 km square record.

***Araneus angulatus* - Nationally Scarce**

Immature spiders were recorded in two occasions in dense woodland during the June visit. This distinctive orb weaver appears to be spreading.

***Episinus maculipes* - Nationally Scarce, new to Wiltshire**

A single animal was recorded along the main track north from the car park to the Power Lines on the 4th June.

3.2.2.2 - Coleoptera (beetles)

An interesting *Cassida* with all yellow legs was swept from an isolated patch of Tansy on the western end of the Power Lines, initially identified as the rare *Cassida sanguinolentus*, it is now thought to be a teneral *Cassida rubiginosa*. The reason the suction sampler was deployed on the September visit was to specifically look for this rare beetle but no *Cassida* were recorded.

***Agelastica alni* (Alder Leaf Beetle) - Nationally Rare, Data Deficient**

This species has spread rapidly in recent years and almost certainly no longer warrants the status it has. It is particularly common in Hampshire.

***Dromius angustus* - Nationally Scarce, apparently new to Wiltshire**

A single adult of this arboreal carabid, associated with pines, was beaten from the Power Lines on the 10th September.

3.2.2.3 - Heteroptera (true bugs)

***Lygus pratensis* - RDB3**

This species was recorded at the south western end of the Pylon Ride on the 10th September. This bug is now extremely common and would no longer be assessed as nationally scarce if it were assessed today. It is associated with composites in late summer.

3.2.2.4 - Orthoptera (crickets and grasshoppers)

Wood Cricket (*Nemobius sylvestris*) - Nationally Scarce

Found to be numerous around the site in July and September. Singing males were heard mainly along the Power Lines and around the southern car park.



Fig. 17. A Wood Cricket, recorded in the car park in September.

3.3 - Some photos of other charismatic deadwood species

Buglife, Back from the Brink and RSPB are all given permission to keep and reuse for any purposes any of the author's photos with the usual credits.



Fig. 18. Black-headed Cardinal Beetle.

The Black-headed Cardinal beetle was once classed as 'nationally scarce b' but is now thought to be common (albeit less common than the Red-headed Cardinal Beetle). The 2020 season was a very early one, and this freshly emerged adult (recorded on the same tree as the four *Triplax lacordairii* were recorded in early June) was probably the last of this species recorded by the author in 2020. The larvae live beneath bark where they are highly predatory.



Fig. 19. *Aneurus avenius*.



Fig. 20. False Ladybird.

3.4 - Exotica

At least seven non-native species were recorded (2.6%). This is certainly higher than the author's average (currently 2.2%). As five of the seven non-natives recorded were saproxylic, this is almost certainly the reason that such an isolated place away from people would have such a high proportion. At least two of these are associated with pines.

Cis bilamellatus

A single male of this tiny but distinctive *Cis* was recorded on the 11th July.

Euophrum confine

Found in several places in Tuckers Hat on the 4th June.

Orthotomicus laricis

single adult was found beneath pine bark on fallen pines to the north east of the Pylon Ride on the 10th September. It was with *Gnathotrichus materiarius*.

Pycnomerus fuliginosus (apparently new to Wiltshire)

This common non-native saproxylic was found on the 4th June in Tuckers Hat. This and *Euophrum confine* are now two of the commonest deadwood beetles in the UK. It is extremely surprising that this apparently a new record for Wiltshire.

Gnathotrichus materiarius (2nd county record)

Found beneath pine bark on felled pines at the north east end of the Power Lines on the 10th September. This species was only found new to Britain in 2018. It is an invasive species, originally from North America, it initially appeared to be only the second record for Britain. After receiving the paper from Daegan Inward, it was clear this was a wider study on bark beetles spanning a fairly long period from 2013 to 2017. The earliest record for *Gnathotrichus materiarius* in the UK appears to be from 2013 from Hampshire and the beetles was also recorded in Wiltshire at Savernake Forest as early as 2014 but the paper was not published until 2019. Interestingly, there does not appear to be any records from any other sources beyond those listed in this paper in the intervening period.

Two specimens will be passed to the Natural History Museum and various people and bodies informed about the find.



Fig. 21. *Gnathotrichus materiarius*.

Nysius huttoni

Found at the north eastern end of the big Pylon Ride. This invasive bug likes dry, open and warm places with short swards.

***Monacha cantiana* (Kentish Snail)**

A ubiquitous snail of damp herbage throughout the UK.

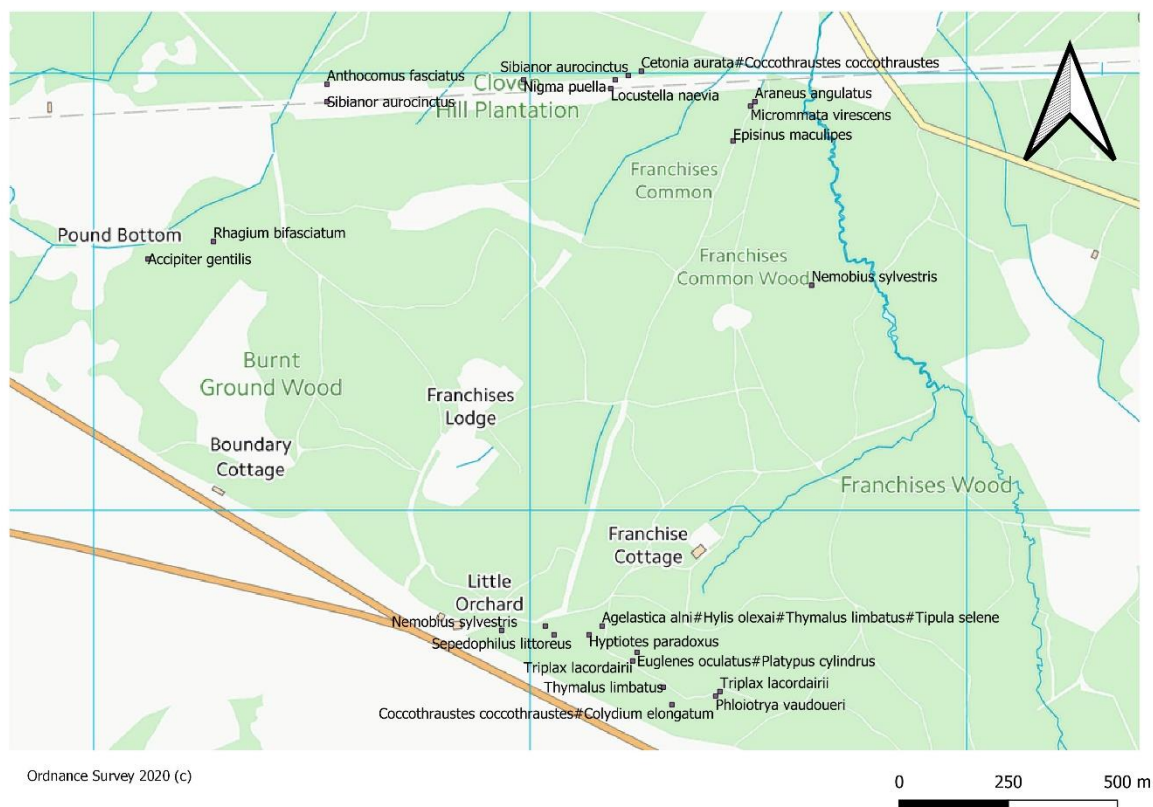


Fig. 22. Locations of some of the more interesting species recorded.

3.5 - Species new to Wiltshire

At least 11 species were thought to be new to vice county 8, eight of which were new to Wiltshire. Seven of these 11 species are considered saproxylic.

Tab. 1. Summary of the species known/thought to be new to Wiltshire and/or VC8.

Order	Species	Cons status	Notes
Araneae	<i>Episinus maculipes</i>	Nationally Scarce	New to Wiltshire
Araneae	<i>Hyptiotes paradoxus</i>	Nationally Scarce	New to Wiltshire
Araneae	<i>Sibianor aurocinctus</i>	Nationally Scarce	New to Wiltshire
Coleoptera	<i>Dromius angustus</i>	Nationally Scarce	New to Wiltshire
Coleoptera	<i>Gnathotrichus materiarius</i>	Non-native	New to VC8
Coleoptera	<i>Malthodes fuscus</i>		New to Wiltshire
Coleoptera	<i>Phloiotrya vaudoueri</i>	Nationally Scarce	New to VC8
Coleoptera	<i>Pycnomerus fuliginosus</i>	Non-native	New to Wiltshire
Coleoptera	<i>Sepedophilus littoreus</i>		New to VC8
Coleoptera	<i>Triplax lacordairii</i>	RDB3	New to Wiltshire
Coleoptera	<i>Xyleborinus saxesenii</i>		New to Wiltshire

3.6 - Other records

Probable breeding (due to the time of year) **Hawfinch** and **Goshawk** were recorded on the first visit. Hawfinches were recorded in Tuckers Hat on both 4th June and 11th July and were seen flying over the east end of the Power Lines on the 4th June. The female Goshawk was seen and heard fighting with a Buzzard in Pound Bottom to the west of the site.

Grasshopper Warbler on final visit on the 10th September perched on the central pylon along the Power Lines provided the best views the author has ever had of this bird.

Green-cracking Brittlegill *Russula virescens*

Found under a huge veteran Beech in Tuckers Hat on the 10th September.



Fig.25. The striking *Russula virescens*.

3.7 - Areas where saproxylic invertebrates were found



Fig. 26. The fallen Beech close to the car park in Tuckers Hat.

Here the tree had produced a canopy gap but being close to a three-way junction, there was more permanent light here. A number of species were recorded here including *Sylvanus unidentatus* and *Stictoleptura scutellata*. This tree was at just the right stage of decay to be extremely productive.



Fig. 27. A clearing with a Beech and an oak snag. *Tipula selene* and *Thymalus limbatus* were recorded here.

The small canopy above was filled with a variety of deadwood but much of it was very old and not extremely productive.



Fig. 28. *Colydium elongatum* was found under bark of a recently fallen limb.

The impressive Beech in figure 28 above was so big that even when only part of the tree came down, it opened up a large canopy gap. This would be an excellent place to put an aerial interception trap.

3.8 - Saproxylic Quality Index and Index of Ecological Continuity

A minim of 40 species is required to calculate the Saproxylic Quality Index (SQI) and here a total of 56 qualifying native saproxylic beetles were recorded. The SQI was 410.71, this is ranked as 90th place in the UK, between Panshanger Park and Felbrigg Hall Estate. The Index of Ecological Continuity (IEC) was 25, which was ranked at 103.

However, six species were added to the list from data collected in 2018 and held by the RSPB. These were mostly common and low scoring species bringing the SQI down to 395.16 but raising the IEC to 28. Ranking the SQI at 98th place and the IEC at 95th place.

The difference between these two metrics is that the SQI is the mean of the indices (weighted for conservation status) of all species. Therefore, it can go up or down as more species are added but the amount this can go up or down diminishes the more species are on the list. As some statuses are long out of date (and their associated weightings) on the spreadsheet, it's not always that accurate.

The IEC is an accumulative score where only those associated with good quality habitat are assigned an index. Therefore, this score can only go up.

3.9 - Pantheon Analysis

All the invertebrate data was run through BRC's Pantheon data base and the assemblage analysis tool was used to assess the quality of the invertebrate resources present. This is done by counting the number of qualifying species that are present that are assigned to a specific resource and comparing this to a minimum threshold.

Tab. 2. Summary of Pantheon analysis.

Resource	Status	Species	Species with status
Bark and sap wood decay	Favourable	44	8
Scrub edge	Favourable	13	0
Fungal fruiting bodies	Favourable	11	1
Scrub heath & moorland	Favourable	10	1
Heartwood decay	Favourable	7	4
Rich flower resource	Unfavourable - 2/15	3/15	0
Epiphyte fauna	Unfavourable - 2/3	2/3	0
Bare sand & chalk	Unfavourable - 2/19	2/19	1
Sphagnum bog	Unfavourable - 1/8	1/8	1

All the resources recorded that were in favourable condition were those associated with deadwood and scrub, which is not surprising given the focus of the survey. All other resources were found to be in unfavourable condition. Additional surveys focusing on the wider invertebrate assemblage are suggested.

4 - Conclusions

Franchises Lodge has a rich saproxylic fauna but there is room for improvement. Firstly, there are still species to be found there and further survey, especially in April and May is needed which was missed due to COVID-19 and the spring drought. Focusing on the northern end around the meadows at this time could well add significantly to the list, especially if there is Hawthorn blossom there.

Secondly, the dark and humid area of Tuckers Hat could be greatly improved by having some permanent open space in the wood. Suggestions on how to achieve this are given below.

5 - Management recommendations

5.1 - Open space

The main limiting factor for the site is the lack of permanent open space, especially close to the large veteran trees in Tuckers Hat. Finding saproxylic beetles was not easy on this site, possibly down to the late start but also in part down to the lack of light in much of the

more interesting part of the woodland. A network of wider rides would provide more permanent open space. As it stands now, much of the interest is associated with semi-permanent open space caused by veteran tree falls or permanent open space that is a long way from the best trees (such as the Power Lines).

A ride should be at least the width of the tallest tree, twice that if possible, but with such tall trees this would be difficult to achieve here. As well as allowing in more light, it would also help with nectar sources which are also limited.

5.2 - Grazing

Grazing would benefit the wood generally but would not in any way rectify the lack of light here, except perhaps over an extremely long-time scale. Away from Tuckers Hat, much of the woodland has a field layer of Purple Moor-grass, which means that summer-grazing would be needed there. The site is large enough and with enough small meadows that it may be possible to keep a herd of cattle permanently on site, moving between compartments and different habitats throughout the year.

5.3 - Nectar sources

Hawthorn was very scarce on site. This may be a natural feature of these soil types but it certainly has an impact on the fauna. Along the Power Lines, Bramble is widespread but in early June, beating Elder and Alder Buckthorn were the only options and were actually quite productive. The area of hard standing at the eastern end of the Power Lines probably had the most nectar sources of the whole site. The Power Lines area has clearly been quite hard grazed/browsed and care must be taken not to add to this issue. 'Pulse' grazing (harder grazing periods followed by vital pauses in grazing) could help to do this. If the issue is deer in this area then clearly controlling them in some way would help.

5.4 - Deadwood management

The deadwood management of the site appears to be good with very few signs that fallen or standing deadwood has been interfered with beyond the fallen Beech near the car park, which was clearly blocking the track and was pushed back to allow better access.

5.5 - Woodland structure and veteran trees

Much of the woodland is extremely uniform in nature. Many of the veteran Beeches are crowded in by more secondary woodland that has grown up around them. Using the excellent veteran tree inventory, it should not be difficult to highlight trees that are in need of specific work, such as phased haloing, that will help to secure their future. Thought towards future veterans should also be given and provision put in place if necessary, to make sure the next generation of veterans can flourish.

Any significant woodland management of Tuckers Hat will need to be balanced with the bat interest of the site and therefore understanding this in detail should be a matter of urgency.

5.6 - Future monitoring

Additional survey visits in April and May are highly recommended. Ideally, interception trapping around the veteran Beeches at Tuckers Hat could also be carried out and a wider invertebrate survey is also suggested. The site clearly has significant invertebrate interest beyond the saproxylic, and a wider study across the whole site is also suggested. A 'timed count' approach, focusing on a series of compartments with an equal amount of time spent in each compartment, over a number of visits, could work. Compartments could include:

- Northern meadows
- Power Lines
- Tuckers Hat
- Conifer plantation (areas that are marked for felling/grazing or to be left alone could all be selected).

This allows for standardised internal comparisons and also makes for a standardised and easily repeatable survey over time.

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References and bibliography

Alexander, K. (2002) *The invertebrates of living & decaying timber in Britain and Ireland - a provisional annotated checklist*. English Nature.

Balachowsky, A. (1949) *Faune de France - Coleopteres Scoltytides*. Librairie De La Faculte Des Sciences.

Ball, S. & Morris, R. (2015) *Britain's Hoverflies - Second Edition*. WILDGuides.

Bee, L., Oxford, G. & Smith, H. (2017) *Britain's Spiders*. WILDGuides.

Biedermann, R. & Niedringhaus, R. (2009) *The Plant-and Leafhoppers of Germany*. Frund.

Blower, J. G. (1985) *Millipedes*. The Linnean Society.

Booth, R. G. (2009) *Draft Key to British species of Tachyporus Gravenhorst (Staphylinidae)*. Unpublished key.

Duff, A. G. (2012) *Beetles of Britain and Ireland Volume 1: Sphaeriidae to Silphidae*. West Runton, Norfolk.

Duff, A. G. (2016) *Beetles of Britain and Ireland Volume 2: Cerambycidae to Curculionidae*. West Runton, Norfolk.

Duff, A. G. (2020) *Beetles of Britain and Ireland Volume 3: Geotrupidae to Scaptiidae*. West Runton, Norfolk.

Inward, D. J. G. (2019) *Three new species of ambrosia beetles established in Great Britain illustrate unresolved risks from imported wood*. Journal of Pest Science.

Jessop, L. (1986) *Dung Beetles and Chafers Coleoptera: Scarabaeoidea*. Royal Entomological Society.

- Joy, N. H.** (1932) *A Practical Handbook of British Beetles*. Pisces Conservation.
- Kirby, P.** (2015) *British Heteroptera keys to terrestrial families other than Miridae*. Unpublished key.
- Levey, B.** (2010) *British Scaptiidae*. Royal Entomological Society.
- Lott, D. A. & Anderson, R.** (2011) The Staphylinidae (rove beetles) of Britain and Ireland Parts 7 & 8: Oxyporinae, Steninae, Euaesthetinae, Pseudopsinae, Paederinae, Staphylininae.
- Luff, M. L.** (2007) *The Carabidae (ground beetles) of Britain and Ireland*. Royal Entomological Society.
- Roberts, M. J.** (1995) *Field Guide to Spiders of Britain and Northern Europe*. Collins.
- Sterling, P. & Parsons, M.** (2012) *Field Guide to the Micro Moths of Great Britain and Ireland*. British Wildlife Publishing.
- Stubbs, A. & Drake, M.** (2001) *British Soldierflies and their Allies*. British Entomological and Natural History Society.
- Stubbs, A. E. & Falk, S. J.** (2000) *British Hoverflies*. British Entomological and Natural History Society.

Appendices

Appendix 1 - Saproxylic Quality Index

Appendix 2 - All records

Appendix 1 - Saproxylic Quality Index for Franchises Lodge (2018 records highlighted)

Updated 24 Jan 2004, by Adrian Fowles

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Based on 597 species of Coleoptera associated with veteran trees & deadwood habitats.

SITE NAME	Franchises Lodge, New Forest			To calculate indices 'Presence' column species
VICE-COUNTY	South Wiltshire, VC8			
GRID REFERENCE	SOURCE:		DATES:	

SPECIES	STATUS	SCORE	PRESENCE	INDEX	IEC	RIEC
6 CARABIDAE						
7 Calosoma inquisitor	H&R3				0	
8 Carabus intricatus	RDB1	32		0		
9 HISTERIDAE						
10 Teretrius fabricii	RDB1	32		0		
11 Plegaderus dissectus	B	8		0	0	0
12 Abraeus globosus	L	4		0		
13 Abraeus granulum	A	8		0	0	0
14 Aeletes atomarius	RDB3	16		0	0	0
15 Acritus homoeopathicus	RDB3	24		0		
16 Paromalus flavicornis	L	2	1	2		
17 Paromalus parallelepipedus	RDB1	32		0		
18 Epierus comptus	RDBK	16		0		
19 PTILIIDAE						
20 Nossidium pilosellum	B	8		0		
21 Ptenidium gressneri	B	8		0	0	0
22 Ptenidium turgidum	RDBK	16		0	0	0
23 Micridium halidaii	RDBK	16		0	0	0
24 Ptiliolum caledonicum	RDBK	16		0		
25 Ptinella aptera	L	2		0		
26 Ptinella denticollis	B	8		0		
27 Ptinella limbata	RDBK	16		0	0	0
28 Pteryx suturalis	L	2		0		
29 LEOIDIDAE						
30 Anisotoma castanea	L	2		0		
31 Anisotoma glabra	L	2		0		
32 Anisotoma humeralis	L	2		0		
33 Anisotoma orbicularis	L	2		0		
34 Agathidium arcticum	RDBK	16		0		
35 Agathidium pisanum (=badium)	RDBK	16		0		
36 Agathidium confusum	RDBI	24		0		
37 Agathidium nigrinum	L	2		0		
38 Agathidium nigripenne	L	2		0		

39	Agathidium rotundatum	L	2		0		
40	Agathidium seminulum	L	2		0		
41	Agathidium varians	L	2		0		
42	Nemadus colonoides	L	2		0		
43	SCYDMAENIDAE						
44	Eutheia formicetorum	RDB1	32		0	0	0
45	Eutheia linearis	RDB1	32		0	0	0
46	Neuraphes plicicollis	B	8		0		
47	Stenichnus bicolor	L	4		0	0	0
48	Stenichnus godarti	RDB3	24		0	0	0
49	Microscydmus minimus	RDB3	24		0	0	0
50	Microscydmus nanus	RIEC2					0
51	Euconnus pragensis	RDB1	32		0	0	0
52	Scydmaenus rufus	RDB2	24		0	0	0
53	SCAPHIDIIDAE						
54	Scaphisoma agaricinum	L	2		0		
55	Scaphisoma assimile	RDBI	24		0		
56	Scaphisoma boleti	B	8		0		
57	Scaphidium quadrimaculatum	L	2		0		
58	STAPHYLINIDAE						
59	Megarthus hemipterus	A	16		0		
60	Phyllodrepoidea crenata	B	8		0		
61	Acrulia inflata	L	2		0		
62	Phyllodrepa nigra	RDBI	24		0	0	0
63	Dropephylla devillei (= grandiloqua)	L	2		0		
64	<i>Dropephylla heeri</i>	B	8		0		
65	Dropephylla ioptera	C	1		0		
66	Dropephylla vilis	C	1		0		
67	Hapalaraea pygmaea	L	2		0		
68	Phloeonomus punctipennis	L	2		0		
69	<i>Phloeonomus pusillus</i>	L	2		0		
70	<i>Phloeostiba lapponica</i>	L	2		0		
71	Phloeostiba plana	L	2		0		
72	Xylostiba monilicornis	B	8		0		
73	Xylodromus testaceus	RDB1	32		0		
74	Coryphium angusticolle	L	2		0		
75	Siagonum quadricorne	L	2		0		
76	Phloeocharis subillissima	L	2		0		
77	Atrecus affinis	C	1	1	1		
78	Nudobius lentus	L	2	1	2		
79	Xantholinus angularis	A	16		0	0	0
80	Philonthus subuliformis	L	2		0		
81	Gabrieus splendidulus	C	1	1	1		
82	Velleius dilatatus	RDB1	32		0	0	0
83	Quedius aetolicus	A	16		0	0	0
84	Quedius brevicornis	B	8		0		
85	Quedius maurus	L	4		0	0	0
86	Quedius microps	B	8		0	0	0
87	Quedius plagiatus	L	2		0		
88	Quedius scitus	B	8		0	0	0

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89	<i>Quedius truncicola (=ventralis)</i>	B	8		0	0	0	
90	<i>Quedius xanthopus</i>	B	4		0	0	0	
91	<i>Sepedophilus bipunctatus</i>	B	8		0			
92	<i>Sepedophilus littoreus</i>	L	2	1	2			10/09/2020
93	<i>Sepedophilus lusitanicus</i>	L	2	1	2			
94	<i>Sepedophilus testaceus</i>	B	8		0			
95	<i>Tachinus bipustulatus</i>	RDB1	32		0			
96	<i>Gyrophaena angustata</i>	B	8		0			
97	<i>Gyrophaena bihamata</i>	L	2		0			
98	<i>Gyrophaena congrua</i>	B	8		0			
99	<i>Gyrophaena joyi</i>	B	8		0			
100	<i>Gyrophaena latissima</i>	L	2	1	2			2018
101	<i>Gyrophaena lucidula</i>	B	8		0			
102	<i>Gyrophaena minima</i>	L	2		0			
103	<i>Gyrophaena munsteri</i>	RDBK	16		0			
104	<i>Gyrophaena poweri</i>	RDBK	16		0			
105	<i>Gyrophaena pseudonana</i>	RDBI	24		0			
106	<i>Gyrophaena pulchella</i>	RDBK	16		0			
107	<i>Gyrophaena strictula</i>	B	8		0			
108	<i>Cyphea curtula</i>	U	4		0			
109	<i>Placusa depressa</i>	B	8		0			
110	<i>Placusa pumilio</i>	L	2		0			
111	<i>Placusa tachyporoides</i>	B	8		0			
112	<i>Homalota plana</i>	L	2		0			
113	<i>Anomognathus cuspidatus</i>	C	2		0			
114	<i>Silusa rubiginosa</i>	B	8		0			
115	<i>Leptusa fumida</i>	C	1	1	1			2018
116	<i>Leptusa norvegica</i>	B	8		0			
117	<i>Leptusa pulchella</i>	L	2		0			
118	<i>Leptusa ruficollis</i>	C	1		0			
119	<i>Euryusa optabilis</i>	RDBI	24		0	0	0	
120	<i>Euryusa sinuata</i>	RDBI	24		0	0	0	
121	<i>Tachyusida gracilis</i>	RDB1	32		0	0	0	
122	<i>Bolitochara lucida</i>	L	2		0			
123	<i>Bolitochara mulsanti</i>	B	8		0			
124	<i>Bolitochara pulchra</i>	B	8		0			
125	<i>Bolitochara reyi</i>	RDBI	24		0			
126	<i>Dinaraea aequata</i>	C	1	1	1			2018
127	<i>Dinaraea linearis</i>	L	2		0			
128	<i>Paranopleta inhabilis</i>	RDBK	16		0			
129	<i>Dadobia immersa</i>	L	2		0			
130	<i>Atheta autumnalis</i>	RDBK	16		0			
131	<i>Atheta boletophila</i>	RDBK	16		0			
132	<i>Atheta hansseni</i>	RDBK	16		0			
133	<i>Atheta liturata</i>	L	2		0			
134	<i>Atheta subglabra</i>	L	2		0			
135	<i>Thamiaraea cinnamomea</i>	L	2		0			
136	<i>Thamiaraea hospita</i>	B	8		0			
137	<i>Phloeodroma concolor</i>	RDBI	24		0			
138	<i>Phloeopora bernhaueri (= teres)</i>	L	2		0			

139	Phloeopora corticalis (= angustiformis)	B	8		0		
140	Phloeopora testacea	C	1		0		
141	Amarochara bonnairei	RDBI	24		0		
142	Stichoglossa semirufa	RDBI	24		0		
143	Ischnoglossa proluxa	L	2		0		
144	Ischnoglossa obscura	U	16		0		
145	Ischnoglossa turcica	L	2		0		
146	Dexiogyia corticina	B	8		0		
147	Haploglossa gentilis	L	2		0		
148	Haploglossa marginalis	B	8		0		
149	PSELAPHIDAE						
150	Bibloporus bicolor	L	2		0		
151	Bibloporus minutus	B	8		0	0	0
152	Euplectus bescidicus	RDBK	16		0		
153	Euplectus bonvouloiri	B	8		0		
154	Euplectus brunneus	RDB1	32		0	0	
155	Euplectus fauveli	B	8		0		
156	Euplectus infirmus	L	2		0		
157	Euplectus karsteni	L	2		0		
158	Euplectus kirbyi	B	8		0		
159	Euplectus nanus	RDBI	24		0	0	0
160	Euplectus piceus	C	2		0		
161	Euplectus punctatus	RDB3	24		0	0	0
162	Plectophloeus nitidus	RDB2	32		0	0	0
163	Trichonyx sulcicollis	RDB2	32		0	0	
164	Batrisodes adnexus (=buqueti)	RDB1	32		0	0	0
165	Batrisodes delaporti	RDB1	32		0	0	0
166	Batrisodes venustus	A	8		0	0	0
167	LUCANIDAE						
168	Lucanus cervus	B	8		0		
169	Dorcus parallelepipedus	L	2		0		
170	Sinodendron cylindricum	C	2		0	0	
171	SCARABAEIDAE						
172	Trichius fasciatus	L	2		0		
173	Gnorimus nobilis	RDB2	32		0		0
174	Gnorimus variabilis	RDB1	32		0	0	0
175	SCIRTIDAE						
176	Prionocyphon serricornis	B	8		0	0	0
177	BUPRESTIDAE						
178	Melanophila acuminata	L	2		0		
179	Anthaxia nitidula	RDB1	32		0		
180	Agrilus angustulus	B	8		0		
181	Agrilus laticornis	B	8		0		
182	Agrilus biguttatus (=pannonicus)	A	8	1	8	2	
183	Agrilus sinuatus	A	4		0		
184	Agrilus viridis	A	24		0		
185	ELATERIDAE						
186	Lacon quercus	RDB1	32		0	0	0
187	Ampedus balteatus	L	2		0		
188	Ampedus cardinalis	RDB2	32		0	0	0

189	<i>Ampedus cinnabarinus</i>	RDB3	16		0	0	0
190	<i>Ampedus elongatulus</i>	A	8		0	0	0
191	<i>Ampedus nigerrimus</i>	RDB1	32		0	0	0
192	<i>Ampedus nigrinus</i>	B	8		0		
193	<i>Ampedus pomorum</i>	B	8		0	0	0
194	<i>Ampedus quercicola</i> (= <i>pomonae</i>)	B	8		0	0	0
195	<i>Brachygonus</i> (= <i>Ampedus</i>) <i>ruficeps</i>	RDB1	32		0	0	0
196	<i>Ampedus rufipennis</i>	RDB2	24		0	0	0
197	<i>Ampedus sanguineus</i>	E	32		0		
198	<i>Ampedus sanguinolentus</i>	A	16		0		
199	<i>Ampedus tristis</i>	RDB2	32		0		
200	<i>Ischnodes sanguinicollis</i>	A	16		0	0	0
201	<i>Procraerus tibialis</i>	RDB3	16		0	0	0
202	<i>Megapenthes lugens</i>	RDB1	32		0	0	0
203	<i>Cardiophorus gramineus</i>	E	32		0		
204	<i>Cardiophorus ruficollis</i>	E	32		0		
205	<i>Melanotus villosus</i> (= <i>erythropus</i>)	C	1	1	1		
206	<i>Limoniscus violaceus</i>	RDB1	32		0	0	0
207	<i>Harminius undulatus</i>	B	8		0		
208	<i>Stenagostus rhombeus</i> (= <i>villosus</i>)	L	4	1	4	1	1
209	<i>Calambus</i> (= <i>Selatosomus</i>) <i>bipustulatus</i>	B	8		0	0	0
210	<i>Elater ferrugineus</i>	RDB1	32		0	0	0
211	<i>Denticollis linearis</i>	C	1	1	1		
212	THROSCIDAE						
213	<i>Aulonothroscus brevicollis</i>	RDB3	24		0	0	0
214	EUCNEMIDAE						
215	<i>Eucnemis capucina</i>	RDB1	32		0	0	0
216	<i>Microrhagus</i> (= <i>Dirhagus</i>) <i>pygmaeus</i>	RDB3	8		0	0	0
217	<i>Melasis buprestoides</i>	B	4		0	0	0
218	<i>Epiphanis cornutus</i>	L	8		0		
219	<i>Hylis cariniceps</i>	RDB1	32		0		
220	<i>Hylis olexai</i>	RDB3	24	1	24		
221	CANTHARIDAE						
222	<i>Malthinus balteatus</i>	B	8		0		
223	<i>Malthinus flaveolus</i>	C	1		0		
224	<i>Malthinus frontalis</i>	B	8		0		
225	<i>Malthinus seriepunctatus</i>	L	2	1	2		
226	<i>Malthodes crassicornis</i>	RDB3	24		0	0	0
227	<i>Malthodes dispar</i>	L	2		0		
228	<i>Malthodes fibulatus</i>	B	8		0		
229	<i>Malthodes flavoguttatus</i>	L	2		0		
230	<i>Malthodes fuscus</i>	L	2	1	2		
231	<i>Malthodes guttifer</i>	B	8		0		
232	<i>Malthodes marginatus</i>	C	1	1	1		
233	<i>Malthodes maurus</i>	B	16		0		
234	<i>Malthodes minimus</i>	C	1	1	1		
235	<i>Malthodes mysticus</i>	L	2		0		
236	<i>Malthodes pumilus</i>	L	2		0		
237	LYCIDAE						
238	<i>Dictyoptera aurora</i>	B	16		0		

239	<i>Pyropterus nigroruber</i>	A	16		0	0	0
240	<i>Platycis cosnardi</i>	RDBI	24		0	0	0
241	<i>Platycis minutus</i>	B	8		0	0	0
242	DERMESTIDAE						
243	<i>Globicornis rufitarsis (=nigripes)</i>	RDB1	32		0	0	0
244	<i>Megatoma undata</i>	B	8		0		
245	<i>Ctesias serra</i>	B	4		0	0	
246	<i>Trinodes hirtus</i>	RDB3	24		0	0	0
247	ANOBIIDAE						
248	<i>Ptinomorphus (= Hedobia) imperialis</i>	B	8		0		
249	<i>Grynobius planus</i>	L	2	1	2		
250	<i>Dryophilus pusillus</i>	L	2		0		
251	<i>Ochina ptinoides</i>	L	2		0		
252	<i>Xestobium rufovillosum</i>	C	4		0	0	0
253	<i>Ernobius mollis</i>	L	2		0		
254	<i>Ernobius nigrinus</i>	L	2		0		
255	<i>Gastrallus immarginatus</i>	RDB1	32		0	0	0
256	<i>Hemicoelus fulvicornis</i>	C	1		0		
257	<i>Hemicoelus nitidus</i>	RDBI	24		0		
258	<i>Anobium inexpectatum</i>	B	8		0		
259	<i>Anobium punctatum</i>	C	1		0		
260	<i>Hadrobregmus denticollis</i>	B	8		0		
261	<i>Ptilinus pectinicornis</i>	C	1		0		
262	<i>Xyletinus longitarsus</i>	RDB2	32		0	0	
263	<i>Dorcatoma ambjourni</i>	RDBK	16		0		0
264	<i>Dorcatoma chrysomelina</i>	L	4		0	0	0
265	<i>Dorcatoma dresdensis</i>	A	16		0	0	0
266	<i>Dorcatoma flavicornis</i>	B	8		0	0	0
267	<i>Dorcatoma serra</i>	A	16		0	0	0
268	<i>Anitys rubens</i>	B	8		0	0	0
269	PTINIDAE						
270	<i>Ptinus lichenum</i>	RDB3	24		0		
271	<i>Ptinus palliatus</i>	A	16		0	0	
272	<i>Ptinus subpilosus</i>	B	8		0	0	0
273	BOSTRICHIDAE						
274	<i>Bostrichus capucinus</i>	E	32		0		
275	LYCTIDAE						
276	<i>Lyctus brunneus</i>	L	4		0	0	0
277	<i>Lyctus linearis</i>	B	8		0		
278	PHLOIOPHILIDAE						
279	<i>Phloiophilus edwardsi</i>	B	8		0	0	0
280	TROGOSSITIDAE						
281	<i>Nemozoma elongatum</i>	RDB3	24		0		
282	PELTIDAE						
283	<i>Ostoma ferrugineum</i>	RDB1	32		0		
284	<i>Thymalus limbatus</i>	B	8	1	8	1	2
285	CLERIDAE						
286	<i>Korynetes caeruleus</i>	B	8		0	0	0
287	<i>Tillus elongatus</i>	B	8		0	0	0
288	<i>Tilloidea unifasciatus</i>	E	32		0		

289	<i>Opilio mollis</i>	B	8		0	0	0
290	<i>Thanasimus formicarius</i>	L	4		0	0	0
291	<i>Thanasimus rufipes</i>	RDB3	24		0		
292	<i>Tarsostenus univittatus</i>	E	32		0		
293	MELYRIDAE						
294	<i>Aplocnemus impressus (=pini)</i>	B	8		0	0	0
295	<i>Aplocnemus nigricornis</i>	A	16		0	0	0
296	<i>Dasytes aeratus (= aerosus)</i>	L	2	1	2		
297	<i>Dasytes niger</i>	A	16		0		
298	<i>Dasytes plumbeus</i>	B	8		0		
299	<i>Hypebaeus flavipes</i>	RDB1	32		0	0	0
300	<i>Axinotarsus ruficollis</i>	L	4		0		
301	<i>Sphinginus lobatus</i>	RDBK	16		0		
302	<i>Malachius bipustulatus</i>	C	1	1	1		
303	<i>Anthocomus fasciatus</i>	L	4	1	4		
304	LYMEXYLIDAE						
305	<i>Hylecoetus dermestoides</i>	B	4		0	0	0
306	<i>Lymexylon navale</i>	RDB2	32		0	0	0
307	NITIDULIDAE						
308	<i>Carpophilus sexpustulatus</i>	L	8		0	0	0
309	<i>Eपुरaea angustula</i>	B	8		0	0	0
310	<i>Eपुरaea biguttata</i>	L	2		0		
311	<i>Eपुरaea distincta</i>	A	8		0		
312	<i>Eपुरaea fuscicollis</i>	B	8		0		
313	<i>Eपुरaea guttata</i>	B	8		0		
314	<i>Eपुरaea limbata</i>	L	2		0		
315	<i>Eपुरaea longula</i>	B	8		0		
316	<i>Eपुरaea neglecta</i>	RDBI	24		0		
317	<i>Eपुरaea marseuli (= pusilla)</i>	C	1		0		
318	<i>Epurea pallescens (= florea)</i>	L	2		0		
319	<i>Eपुरaea rufomarginata</i>	L	2		0		
320	<i>Eपुरaea silacea (= deleta)</i>	C	1		0		
321	<i>Eपुरaea terminalis (= adumbrata)</i>	B	8		0		
322	<i>Eपुरaea thoracica</i>	B	8		0		
323	<i>Eपुरaea variegata</i>	RDBK	16		0		
324	<i>Soronia grisea</i>	L	2		0		
325	<i>Soronia punctatissima</i>	L	2		0		
326	<i>Cryptarcha strigata</i>	B	8		0		
327	<i>Cryptarcha undata</i>	B	8		0		
328	<i>Pityophagus ferrugineus</i>	L	2		0		
329	<i>Glischrochilus quadriguttatus</i>	L	2		0		
330	<i>Glischrochilus quadripunctatus</i>	L	2		0		
331	RHIZOPHAGIDAE						
332	<i>Rhizophagus bipustulatus</i>	C	1	1	1		
333	<i>Rhizophagus cribratus</i>	L	2		0		
334	<i>Rhizophagus depressus</i>	L	2		0		
335	<i>Rhizophagus dispar</i>	C	1	1	1		
336	<i>Rhizophagus ferrugineus</i>	L	2		0		
337	<i>Rhizophagus nitidulus</i>	B	4		0	0	0
338	<i>Rhizophagus oblongicollis</i>	RDB1	24		0	0	0

339	Rhizophagus parallelocolis	L	2		0		
340	Rhizophagus parvulus	RDB3	24		0		
341	Rhizophagus perforatus	L	2		0		
342	Rhizophagus picipes	A	16		0		
343	Cyanostolus aeneus	A	16		0		
344	SPHINDIDAE						
345	Aspidiphorus orbiculatus	L	2		0		
346	Sphindus dubius	B	8		0		
347	CUCUJIDAE						
348	Uleiota planata	A	16		0	0	0
349	Dendrophagus crenatus	B	8		0		
350	Pediacus depressus	A	16		0	0	0
351	Pediacus dermestoides	L	4		0	0	0
352	Laemophloeus monilis	RDB1	32		0	0	
353	Cryptolestes duplicatus	L	2		0		
354	Cryptolestes ferrugineus	C	2		0		
355	Notolaemus unifasciatus	A	16		0	0	0
356	SILVANIDAE						
357	Silvanus bidentatus	B	8	1	8	2	2
358	Silvanus unidentatus	L	4	1	4	1	1
359	Silvanoprus fagi	RDB1	32		0		
360	CRYPTOPHAGIDAE						
361	Henoticus serratus	L	2		0		
362	Cryptophagus acuminatus	L	8		0		
363	<i>Cryptophagus angustus</i>	B	8		0		
364	Cryptophagus confusus	RDBK	16		0		
365	Cryptophagus corticinus	RDBI	24		0		
366	Cryptophagus dentatus	C	1		0		
367	Cryptophagus falcozi	RDBI	24		0		
368	Cryptophagus intermedius	RDBK	16		0		
369	Cryptophagus labilis	B	8		0		
370	Cryptophagus micaceus	RDBK	16		0	0	0
371	Cryptophagus ruficornis	B	8		0		
372	<i>Micrambe bimaculatus</i>	RDBK	16		0		
373	Caenoscelis sibirica	U	4		0		
374	<i>Atomaria badia</i>	RDBI	24		0		
375	<i>Atomaria lohsei</i>	RDBK	16		0	0	
376	Atomaria morio	RDBK	16		0		
377	Atomaria procerula	RDBK	16		0		
378	Atomaria pulchra	L	2		0		
379	Atomaria puncticollis	RDBK	16		0		
380	BIPHYLLIDAE						
381	Biphyllus lunatus	L	4	1	4	1	1
382	Diplocoelus fagi	B	8	1	8	2	1
383	EROTYLIDAE						
384	Triplax aenea	L	2	1	2	1	
385	Triplax lacordairii	RDB3	24	1	24	1	1
386	Triplax russica	L	4		0	0	0
387	Triplax scutellaris	RDB3	32		0	0	0
388	Tritoma bipustulata	A	16		0	0	0

389	<i>Dacne bipustulata</i>	L	2		0		
390	<i>Dacne rufifrons</i>	L	2		0		
391	CERYLONIDAE						
392	<i>Cerylon fagi</i>	B	8		0	0	0
393	<i>Cerylon ferrugineum</i>	L	2	1	2		
394	<i>Cerylon histeroides</i>	L	4	1	4		
395	CORYLOPHIDAE						
396	<i>Orthoperus aequalis</i> (= <i>nitidulus</i>)	RDBK	16		0		
397	<i>Orthoperus mundus</i>	L	4		0		
398	ENDOMYCHIDAE						
399	<i>Symbiotes latus</i>	B	8		0	0	0
400	<i>Endomychus coccineus</i>	L	2	1	2		
401	<i>Mycetaea subterranea</i> (= <i>hirta</i>)	L	2		0		
402	LATRIDIIDAE						
403	<i>Stephostethus alternans</i>	U	4		0		
404	<i>Cartodere constricta</i>	L	4		0		
405	<i>Lathridius consimilis</i>	B	8		0	0	0
406	<i>Enicmus brevicornis</i>	B	8		0	0	0
407	<i>Enicmus fungicola</i>	B	8		0		
408	<i>Enicmus rugosus</i>	B	8		0	0	0
409	<i>Emicmus testaceus</i>	L	2		0		
410	<i>Dienerella clathrata/elongata</i> (=separanda)	H&R2				0	
411	<i>Corticaria alleni</i>	B	8		0	0	0
412	<i>Corticaria fagi</i>	RDBI	24		0	0	
413	<i>Corticaria linearis</i>	B	8		0		
414	<i>Corticaria longicollis</i>	RDBK	16		0	0	
415	<i>Corticaria polypori</i>	U	16		0		
416	CIIDAE						
417	<i>Octotemnus glabriculus</i>	C	1	1	1		
418	<i>Rhopalodontus perforatus</i>	RDB3	24		0		
419	<i>Sulcacis affinis</i>	L	2		0		
420	<i>Sulcacis bicornis</i>	B	8		0		
421	<i>Cis alni</i>	L	2		0		
422	<i>Cis bidentatus</i>	L	2	1	2		
423	<i>Cis boleti</i>	C	1	1	1		
424	<i>Cis coluber</i>	RDB3	24		0	0	0
425	<i>Cis dentatus</i>	RDB3	24		0		
426	<i>Cis fagi</i>	L	2	1	2		
427	<i>Cis festivus</i>	B	2		0		
428	<i>Cis hispidus</i>	L	4		0		
429	<i>Cis jacquemarti</i>	B	8		0		
430	<i>Cis lineatocribratus</i>	B	8		0		
431	<i>Cis micans</i>	L	4		0		
432	<i>Cis nitidus</i>	L	2	1	2		
433	<i>Cis punctulatus</i>	L	4		0		
434	<i>Cis pygmaeus</i>	L	2		0		
435	<i>Cis setiger</i>	L	2		0		
436	<i>Cis vestitus</i>	L	2		0		
437	<i>Enneathron cornutum</i>	L	2		0		
438	MYCETOPHAGIDAE						

439	<i>Pseudotriphyllus suturalis</i>	L	4		0	0	0
440	<i>Triphyllus bicolor</i>	L	4		0	0	0
441	<i>Litargus connexus</i>	L	2	1	2		
442	<i>Mycetophagus atomarius</i>	L	2		0	0	0
443	<i>Mycetophagus fulvicollis</i>	E	32		0		
444	<i>Mycetophagus multipunctatus</i>	L	2		0		
445	<i>Mycetophagus piceus</i>	B	4		0	0	0
446	<i>Mycetophagus populi</i>	A	16		0		0
447	<i>Mycetophagus quadriguttatus</i>	A	16		0		0
448	<i>Mycetophagus quadripustulatus</i>	L	2	1	2		
449	COLYDIIDAE						
450	<i>Synchita humeralis</i>	B	8		0	0	0
451	<i>Synchita separanda</i>	RDB3	24		0	0	0
452	<i>Cicones variegata</i>	A	8		0	0	0
453	<i>Bitoma crenata</i>	L	4	1	4	1	1
454	<i>Endophloeus markovichianus</i>	RDB1	32		0		
455	<i>Colydium elongatum</i>	RDB3	16	1	16	3	
456	<i>Aulonium trisulcum</i>	A	16		0		
457	<i>Teredus cylindricus</i>	RDB1	32		0	0	0
458	<i>Oxylaemus cylindricus</i>	E	32		0	0	
459	<i>Oxylaemus variolosus</i>	RDB3	24		0	0	0
460	TENEBRIONIDAE						
461	<i>Bolitophagus reticulatus</i>	RDB3	16		0		
462	<i>Eledona agricola</i>	B	4	1	4	1	1
463	<i>Diaperus boleti</i>	RDB2	24		0		
464	<i>Platydema violaceum</i>	RDB1	32		0		
465	<i>Pentaphyllus testaceus</i>	U	4		0		
466	<i>Corticeus bicolor</i>	L	8		0		
467	<i>Corticeus unicolor</i>	RDB3	24		0	0	0
468	<i>Gonodera luperus</i>	L	2		0		
469	<i>Helops caeruleus</i>	B	8		0		
470	<i>Prionychus ater</i>	B	8		0	0	0
471	<i>Prionychus melanarius</i>	RDB2	32		0	0	0
472	<i>Pseudocistela ceramboides</i>	B	8		0	0	0
473	<i>Mycetochara humeralis</i>	A	16		0	0	0
474	TETRATOMIDAE						
475	<i>Tetratoma ancora</i>	B	8		0	0	0
476	<i>Tetratoma desmaresti</i>	A	16		0	0	0
477	<i>Tetratoma fungorum</i>	L	2		0	0	
478	SALPINGIDAE						
479	<i>Lissodema cursor</i>	A	16		0		
480	<i>Lissodema quadripustulata</i>	B	8		0		
481	<i>Rabocerus foveolatus</i>	A	16		0		
482	<i>Rabocerus gabrieli</i>	B	8		0		
483	<i>Salpingus castaneus</i>	L	2		0		
484	<i>Salpingus ater</i>	L	2		0		
485	<i>Salpingus reyi</i>	L	2		0		
486	<i>Vicenzellus ruficollis</i>	L	2		0		
487	<i>Rhinosimus planirostris</i>	C	1	1	1		
488	<i>Rhinosimus ruficollis</i>	C	1		0		

489	PYTHIDAE						
490	<i>Pytho depressus</i>	A	16		0		
491	PYROCHROIDAE						
492	<i>Pyrochroa coccinea</i>	B	4	1	4	1	1
493	<i>Pyrochroa serraticornis</i>	C	1		0		
494	<i>Schizotus pectinicornis</i>	A	16		0		
495	MELANDRYIDAE						
496	<i>Hallomenus binotatus</i>	B	8		0	0	0
497	<i>Orchesia micans</i>	B	4		0		
498	<i>Orchesia minor</i>	B	8		0		
499	<i>Orchesia undulata</i>	L	4	1	4	1	1
500	<i>Anisoxya fuscula</i>	A	16		0	0	0
501	<i>Abdera affinis</i>	RDB1	32		0		
502	<i>Abdera biflexuosa</i>	B	8		0	0	0
503	<i>Abdera flexuosa</i>	B	8		0		
504	<i>Abdera quadrifasciata</i>	A	16		0	0	0
505	<i>Abdera triguttata</i>	A	16		0		
506	<i>Phloiotrya vaudoueri</i>	B	8	1	8	2	2
507	<i>Xylita laevigata</i>	A	16		0		
508	<i>Hypulus quercinus</i>	RDB2	16		0	0	0
509	<i>Zilora ferruginea</i>	B	8		0		
510	<i>Melandrya barbata</i>	RDB1	32		0	0	0
511	<i>Melandrya caraboides</i>	B	4		0	0	0
512	<i>Conopalpus testaceus</i>	B	8		0	0	0
513	<i>Osphya bipunctata</i>	RDB3	16		0		
514	SCRAPTIIDAE						
515	<i>Scraptia dubia</i>	E	32		0	0	
516	<i>Scraptia fuscula</i>	RDB1	32		0	0	0
517	<i>Scraptia testacea</i>	RDB3	16		0	0	0
518	<i>Anaspis bohémica</i>	RDBK	16		0		
519	<i>Anaspis costai</i>	C	2		0		
520	<i>Anaspis frontalis</i>	C	1	1	1		
521	<i>Anaspis humeralis</i>	C	2	1	2		
522	<i>Anaspis lurida</i>	L	2	1	2		
523	<i>Anaspis melanostoma</i>	RDBK	16		0		
524	<i>Anaspis pulcaria</i>	C	1		0		
525	<i>Anaspis rufilabris</i>	C	1		0		
526	<i>Anaspis septentrionalis</i> (= schilskyana)	RDBI	24		0		0
527	<i>Anaspis thoracica</i>	A	8		0		
528	MORDELLIDAE						
529	<i>Tomoxia bucephala</i> (= biguttata)	A	16		0	0	0
530	<i>Mordella holomelaena</i> (= aculeata)	H&R3				0	
531	<i>Mordella leucaspis</i> (= aculeata)	H&R3				0	
532	<i>Mordellochroa abdominalis</i>	L	4		0		
533	<i>Mordellistena neuwaldeggiana</i>	RDBK	16		0		0
534	<i>Mordellistena variegata</i>	L	8		0		
535	<i>Variimorda villosa</i>	H&R3				0	
536	OEDEMERIDAE						
537	<i>Chrysanthia nigricornis</i>	RDB1	32		0		
538	<i>Ischnomera caerulea</i>	RDB3	24		0	0	0

539	<i>Ischnomera cinerascens</i>	RDB2	32		0	0	0
540	<i>Ischnomera cyanea</i>	B	4		0	0	0
541	<i>Ischnomera sanguinicollis</i>	B	8		0	0	0
542	<i>Oncomera femorata</i>	B	8		0		
544	ADERIDAE						
545	<i>Aderus brevicornis</i>	RDB2	32		0	0	0
546	<i>Aderus oculatus</i>	B	8	1	8	1	1
547	<i>Aderus populneus</i>	B	8		0		
548	CERAMBYCIDAE						
549	<i>Prionus coriarius</i>	A	16		0	0	0
550	<i>Arhopalus rusticus</i>	L	2		0		
551	<i>Asemum striatum</i>	L	2		0		
552	<i>Rhagium bifasciatum</i>	C	1	1	1		
553	<i>Rhagium mordax</i>	C	1	1	1		
554	<i>Rhagium inquisitor</i>	B	8		0		
555	<i>Stenocorus meridianus</i>	L	2		0		
556	Dinoptera (= <i>Acmaeops</i>) <i>collaris</i>	RDB1	32		0		
557	<i>Grammoptera ruficornis</i>	C	1	1	1		
558	<i>Grammoptera ustulata</i>	RDB3	24		0	0	0
559	<i>Grammoptera variegata</i>	A	24		0	0	0
560	<i>Alosterna tabacicolor</i>	L	2		0		
561	<i>Paracorymbia</i> (= <i>Leptura</i>) <i>fulva</i>	RDB3	24		0		
562	<i>Anastrangalia</i> (= <i>Leptura</i>) <i>sanguinolenta</i>	RDB3	24		0		
563	<i>Stictoleptura</i> (=Anoplodera) <i>scutellata</i>	A	16	1	16	3	3
564	<i>Anoplodera</i> (= <i>Leptura</i>) <i>sexguttata</i>	RDB3	24		0		0
565	<i>Lepturobosca virens</i>	E	32		0		
566	<i>Pachytodes</i> (= <i>Judolia</i>) <i>cerambyciformis</i>	L	2		0		
567	<i>Judolia sexmaculata</i>	A	24		0		
568	<i>Leptura</i> (= <i>Strangalia</i>) <i>aurulenta</i>	A	16		0	0	0
569	<i>Rutpela</i> (= <i>Strangalia</i>) <i>maculata</i>	C	1	1	1		
570	<i>Stenurella</i> (= <i>Strangalia</i>) <i>melanura</i>	L	2		0		
571	<i>Stenurella</i> (= <i>Strangalia</i>) <i>nigra</i>	A	24		0		
572	<i>Leptura</i> (= <i>Strangalia</i>) <i>quadrifasciata</i>	L	2	1	2	1	1
573	<i>Pedostrangalia</i> (=Leptura) <i>revestita</i>	RDB1	32		0	0	0
574	<i>Obrium cantharinum</i>	E	32		0		
575	<i>Molorchus umbellatarum</i>	A	16		0		
576	<i>Aromia moschata</i>	B	8		0		
577	<i>Pyrrhidium sanguineum</i>	RDB2	24		0	0	0
578	<i>Phymatodes alni</i>	B	16		0		
579	<i>Phymatodes testaceus</i>	L	4		0	0	0
580	<i>Plagionatus arcuatus</i>	E	32		0		
581	<i>Clytus arietis</i>	C	1		0		
582	<i>Anaglyptus mysticus</i>	B	4		0		
583	<i>Lamia textor</i>	RDB1	32		0		
584	<i>Mesosa nebulosa</i>	RDB3	24		0	0	0
585	<i>Pogonocherus fasciculatus</i>	B	16		0		
586	<i>Pogonocherus hispidulus</i>	L	2		0		
587	<i>Pogonocherus hispidus</i>	L	2		0		
588	<i>Leiopus nebulosus</i>	L	2		0		
589	<i>Acanthocinus aedilis</i>	B	8		0		

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590	Saperda carcharias	A	16		0		
591	Saperda scalaris	A	8		0	0	0
592	Stenostola dubia	B	8		0		
593	Tetrops praeusta	L	2	1	2		
594	Tetrops starkii	RDBK	16		0		
595	CHRYSOMELIDAE						
596	Cryptocephalus querceti	H&R1				0	
597	ANTHRIBIDAE						
598	Platyrhinus resinosus	B	4		0	0	0
599	Tropideres niveirostris	RDB2	32		0	0	0
600	Tropideres sepicola	RDB2	32		0	0	0
601	Platystomos albinus	B	8		0	0	0
602	Choragus sheppardi	A	16		0		
603	CURCULIONIDAE						
604	<i>Hylobius abietis</i>	C	1		0		
605	<i>Pissodes castaneus</i>	L	2		0		
606	<i>Pissodes pini</i>	C	2		0		
607	<i>Magdalis armigera</i>	L	2		0		
608	<i>Magdalis barbicornis</i>	A	8		0		
609	<i>Magdalis carbonaria</i>	B	4		0		
610	<i>Magdalis cerasi</i>	B	4		0		
611	<i>Magdalis duplicata</i>	A	16		0		
612	<i>Magdalis phlegmatica</i>	A	8		0		
613	<i>Magdalis ruficornis</i>	L	2		0		
614	<i>Mesites tardii</i>	B	8		0	0	0
615	<i>Pentarthum huttoni</i>	H&R3				0	
616	<i>Cossonus linearis</i>	A	16		0		
617	<i>Cossonus parallelepipedus</i>	B	8		0	0	0
618	<i>Rhyncholus chloropus (=Eremotes ater)</i>	L	8		0		
619	<i>Phloeophagus (= Rhyncholus) gracilis</i>	E	32		0		
620	<i>Phloeophagus (= Rhyncholus) lignarius</i>	L	2		0		
621	<i>Stereocorynes (= Rhyncholus) truncorum</i>	A	16		0	0	0
622	<i>Caulotrupodes aeneopiceus</i>	L	2		0		
623	<i>Dryophthorus corticalis</i>	RDB1	32		0	0	0
624	<i>Trachodes hispidus</i>	B	8		0	0	0
625	<i>Acalles misellus (= turbatus)</i>	L	2		0		
626	<i>Acalles roboris</i>	B	8		0		
627	SCOLYTIDAE						
628	<i>Hylesinus crenatus</i>	L	2		0		
629	<i>Hylesinus oleiperda</i>	L	2		0		
630	<i>Hylesinus orni</i>	B	8		0		
631	<i>Hylesinus (= Leperisinus) varius</i>	C	1		0		
632	<i>Pteleobius vittatus</i>	L	2		0		
633	<i>Kissophagus hederæ</i>	B	8		0		
634	<i>Hylurgops palliatus</i>	C	1		0		
635	<i>Hylastes ater</i>	C	1		0		
636	<i>Hylastes brunneus</i>	L	2		0		
637	<i>Hylastes opacus</i>	L	2		0		
638	<i>Tomicus minor</i>	RDB3	24		0		
639	<i>Tomicus piniperda</i>	C	1		0		

640	<i>Scolytus intricatus</i>	L	2		0		
641	<i>Scolytus mali</i>	B	8		0		
642	<i>Scolytus multistriatus</i>	C	1		0		
643	<i>Scolytus ratzeburgi</i>	B	8		0		
644	<i>Scolytus rugulosus</i>	L	2		0		
645	<i>Scolytus scolymus</i>	C	2		0		
646	<i>Dryocoetinus alni</i>	A	16		0		
647	<i>Dryocoetinus villosus</i>	L	2		0		
648	<i>Dryocoetes autographus</i>	L	2		0		
649	<i>Lymantor coryli</i>	RDB1	32		0		
650	<i>Taphrorhynchus bicolor</i>	A	8	1	8		
651	<i>Trypodendron (= Xyloterus) domesticum</i>	L	2		0	0	0
652	<i>Trypodendron (= Xyloterus) lineatum</i>	L	2		0	0	
653	<i>Trypodendron (= Xyloterus) signatum</i>	B	8		0	0	0
654	<i>Ernoporus caucasicus</i>	RDB1	16		0	0	0
655	<i>Ernoporus fagi</i>	A	8		0	0	0
656	<i>Ernoporus tiliae</i>	RDB1	32		0		0
657	<i>Trypophloeus binodulus (= asperatus)</i>	A	16		0		
658	<i>Trypophloeus granulatus</i>	E	32		0		
659	<i>Xyleborus dispar</i>	B	8		0	0	0
660	<i>Xyleborus dryographus</i>	B	8		0	0	0
661	<i>Xyleborinus saxeseni</i>	L	4	1	4	1	1
662	<i>Pityophthorus lichtensteini</i>	RDB3	24		0		
663	<i>Pityophthorus pubescens</i>	L	2		0		
664	<i>Pityogenes bidentatus</i>	L	2		0		
665	<i>Pityogenes quadridens</i>	A	16		0		
666	<i>Pityogenes trepanatus</i>	A	8		0		
667	<i>Ips acuminatus</i>	L	2		0		
668	<i>Orthotomicus suturalis</i>	L	2		0		

669 **PLATYPODIDAE**

670	<i>Platypus cylindrus</i>	B	8	1	8	1	1
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672	TOTAL BROAD-LEAVED SPECIES:	62
673	TOTAL CONIFER SPECIES:	0
674	TOTAL MIXED SPECIES:	62
675	'HARDING & ROSE' SPECIES	20
676	ALEXANDER' SPECIES	17
677	TOTAL SPECIES:	62

BROAD-LEAVED SQS:		245	
CONIFER SQS:		0	
TOTAL SCORE (SQS):		245	
H&R1	2	RIEC1	1
H&R2	4	RIEC2	3
H&R3	14	RIEC3	13

678

679 **Franchises Lodge, New Forest**

TOTAL IEC = 28

680 **2018-2020**

TOTAL RIEC = 22

681 **0**

BROAD-LEAVED SQI :	395.16
MIXED SQI :	395.16
[CONIFER SQI] :	#DIV/0!

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SPECIES COMPOSITION:		
STATUS:	BROAD-LEAVED SPECIES	CONIFER SPECIES
COMMON	20	0
LOCAL	28	0
NOTABLE	0	0

690	NOTABLE B	8	0
691	NOTABLE A	3	0
692	UNCERTAIN	0	0
693	RED DATA BOOK K	0	0
694	RED DATA BOOK I	0	0
695	RED DATA BOOK 3	3	0
696	RED DATA BOOK 2	0	0
697	RED DATA BOOK 1	0	0
	EXTINCT	0	0

Appendix 2 - Records (note that *Gnathotrichus materiarius* does not appear here, not yet being in the species dictionary).

Taxon group	Recommended Taxon Name	Taxon Common Name	Sample Location	Date	Grid ref.	Obs Abundances (LC)
beetle	<i>Abax parallelepipedus</i>	Abax parallelepipedus	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Abax parallelepipedus</i>	Abax parallelepipedus	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
beetle	<i>Abax parallelepipedus</i>	Abax parallelepipedus	Tuckers Hat	11/07/2020	SU23191657	1 Count of Adult
beetle	<i>Agelastica alni</i>	Alder Leaf Beetle	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Agelastica alni</i>	Alder Leaf Beetle	Tuckers Hat	04/06/2020	SU23161673	1 Count of Elyton
beetle	<i>Anaspis fasciata</i>	<i>Anaspis fasciata</i>	Power Lines	04/06/2020	SU22991795	Present Count of Adult
beetle	<i>Anaspis fasciata</i>	<i>Anaspis fasciata</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult Female
beetle	<i>Anaspis frontalis</i>	<i>Anaspis frontalis</i>	Power Lines	04/06/2020	SU22991795	Present Count of Adult Female
beetle	<i>Anaspis lurida</i>	<i>Anaspis lurida</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Anaspis maculata</i>	<i>Anaspis maculata</i>	Power Lines	04/06/2020	SU22991795	Present Count of Adult
beetle	<i>Anaspis regimbarti</i>	<i>Anaspis regimbarti</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Anaspis regimbarti</i>	<i>Anaspis regimbarti</i>	Power Lines	04/06/2020	SU22991795	Present Count of Adult Male
beetle	<i>Andrion regensteinese</i>	<i>Sitona regensteinsis</i>	Power Lines	10/09/2020	SU22991795	Present Count of Adult
beetle	<i>Anoplotrupes stercorosus</i>	<i>Anoplotrupes stercorosus</i>	Franchises Common	11/07/2020	SU23641751	1 Count of Adult
beetle	<i>Anoplotrupes stercorosus</i>	<i>Anoplotrupes stercorosus</i>	Tuckers Hat	04/06/2020	SU23431658	1 Count of Adult
beetle	<i>Anoplotrupes stercorosus</i>	<i>Anoplotrupes stercorosus</i>	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
beetle	<i>Anthocomus fasciatus</i>	<i>Anthocomus fasciatus</i>	Power Lines	04/06/2020	SU22531797	1 Count of Adult
beetle	<i>Aplotarsus incanus</i>	<i>Aplotarsus incanus</i>	Power Lines	04/06/2020	SU22991795	2 Count of Adult
beetle	<i>Aplotarsus incanus</i>	<i>Aplotarsus incanus</i>	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult
beetle	<i>Athous haemorrhoidalis</i>	<i>Athous haemorrhoidalis</i>	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
beetle	<i>Athous haemorrhoidalis</i>	<i>Athous haemorrhoidalis</i>	Tuckers Hat	04/06/2020	SU23231665	Present Count of Adult
beetle	<i>Atrecus affinis</i>	<i>Atrecus affinis</i>	Tuckers Hat	10/09/2020	SU23431658	1 Count of Adult
beetle	<i>Biphyllus lunatus</i>	<i>Biphyllus lunatus</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Bitoma crenata</i>	<i>Bitoma crenata</i>	Power Lines	10/09/2020	SU22991795	Present Count of Adult
beetle	<i>Bitoma crenata</i>	<i>Bitoma crenata</i>	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult
beetle	<i>Bitoma crenata</i>	<i>Bitoma crenata</i>	Tuckers Hat	04/06/2020	SU23031673	Present Count of Adult
beetle	<i>Calodromius spilotus</i>	<i>Calodromius spilotus</i>	Power Lines	10/09/2020	SU22991795	1 Count of Adult
beetle	<i>Cartodere nodifer</i>	<i>Cartodere nodifer</i>	Browse Plot	10/09/2020	SU227170	1 Count of Adult
beetle	<i>Cerylon ferrugineum</i>	<i>Cerylon ferrugineum</i>	Tuckers Hat	04/06/2020	SU23391649	1 Count of Adult
beetle	<i>Cerylon histeroideis</i>	<i>Cerylon histeroideis</i>	Tuckers Hat	11/07/2020	SU23431658	Present Count of Adult
beetle	<i>Cetonia aurata</i>	Rose Chafer	Power Lines	04/06/2020	SU23251800	1 Count of Adult
beetle	<i>Ceutorhynchus pallidactylus</i>	Cabbage Stem Weevil	Franchises Common	11/07/2020	SU23641751	1 Count of Adult

beetle	<i>Cis bidentatus</i>	<i>Cis bidentatus</i>	Tuckers Hat	04/06/2020	SU23081678	2 Count of Adult Male
beetle	<i>Cis bilamellatus</i>	<i>Cis bilamellatus</i>	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult Male
beetle	<i>Cis boleti</i>	<i>Cis boleti</i>	Tuckers Hat	10/09/2020	SU23431658	1 Count of Adult
beetle	<i>Cis fagi</i>	<i>Cis fagi</i>	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult
beetle	<i>Cis nitidus</i>	<i>Cis nitidus</i>	Tuckers Hat	04/06/2020	SU23161673	Present Count of Adult
beetle	<i>Coccinella septempunctata</i>	7-spot Ladybird	Power Lines	10/09/2020	SU22991795	Present Count of Adult
beetle	<i>Coccinella septempunctata</i>	7-spot Ladybird	Power Lines	11/07/2020	SU22991795	Present Count of Adult
beetle	<i>Colyidium elongatum</i>	<i>Colyidium elongatum</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Crepidodera aurata</i>	Willow Flea Beetle	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Crepidodera aurata</i>	Willow Flea Beetle	Power Lines	10/09/2020	SU22991795	Present Count of Adult
beetle	<i>Dalopius marginatus</i>	<i>Dalopius marginatus</i>	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult
beetle	<i>Dasytes aeratus</i>	<i>Dasytes aerosus</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Dasytes aeratus</i>	<i>Dasytes aeratus</i>	Power Lines	04/06/2020	SU22991795	Present Count of Adult
beetle	<i>Denticollis linearis</i>	<i>Denticollis linearis</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Diplocoelus fagi</i>	<i>Diplocoelus fagi</i>	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
beetle	<i>Dromius angustus</i>	<i>Dromius angustus</i>	Power Lines	10/09/2020	SU22991795	1 Count of Adult
beetle	<i>Eledona agricola</i>	<i>Eledona agricola</i>	Browse Plot	10/09/2020	SU227170	1 Count of Adult
beetle	<i>Endomychus coccineus</i>	<i>Endomychus coccineus</i>	Tuckers Hat	11/07/2020	SU23031673	1 Count of Adult
beetle	<i>Euglenes oculatus</i>	<i>Euglenes oculatus</i>	Tuckers Hat	11/07/2020	SU23241667	1 Count of Adult Female
beetle	<i>Euophryum confine</i>	Wood-Boring Weevil	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult
beetle	<i>Euophryum confine</i>	Wood-Boring Weevil	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
beetle	<i>Exapion ulicis</i>	Gorse Weevil	Power Lines	04/06/2020	SU22991795	Present Count of Adult
beetle	<i>Exochomus quadripustulatus</i>	Pine Ladybird	Power Lines	10/09/2020	SU22991795	Present Count of Adult
beetle	<i>Gabrius splendidulus</i>	<i>Gabrius splendidulus</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Grammoptera ruficornis</i>	<i>Grammoptera ruficornis</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Grynobius planus</i>	<i>Grynobius planus</i>	Tuckers Hat	04/06/2020	SU23231665	1 Count of Adult
beetle	<i>Hemicrepidius hirtus</i>	<i>Hemicrepidius hirtus</i>	Tuckers Hat	11/07/2020	SU23031673	1 Count of Adult
beetle	<i>Hydroporus memnonius</i>	<i>Hydroporus memnonius</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Hylis olexai</i>	<i>Hylis olexai</i>	Tuckers Hat	11/07/2020	SU23161673	1 Count of Adult
beetle	<i>Lathrobium brunnipes</i>	<i>Lathrobium (Lathrobium) brunnipes</i>	Browse Plot	04/06/2020	SU23071692	1 Count of Adult Female
beetle	<i>Litargus connexus</i>	<i>Litargus connexus</i>	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
beetle	<i>Luperus longicornis</i>	<i>Luperus longicornis</i>	Power Lines	11/07/2020	SU22991795	Present Count of Adult
beetle	<i>Luperus longicornis</i>	<i>Luperus longicornis</i>	Tuckers Hat	04/06/2020	SU23081678	Present Count of Adult

beetle	<i>Luperus longicornis</i>	<i>Luperus longicornis</i>	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
beetle	<i>Malachius bipustulatus</i>	Malachite Beetle	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Malthinus seriepunctatus</i>	<i>Malthinus seriepunctatus</i>	Franchises Lodge	11/07/2020	SU23201764	Present Count of Adult
beetle	<i>Malthinus seriepunctatus</i>	<i>Malthinus seriepunctatus</i>	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Adult
beetle	<i>Malthinus seriepunctatus</i>	<i>Malthinus seriepunctatus</i>	Tuckers Hat	04/06/2020	SU23431658	1 Count of Adult
beetle	<i>Malthodes fuscus</i>	<i>Malthodes fuscus</i>	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult Male
beetle	<i>Malthodes marginatus</i>	<i>Malthodes marginatus</i>	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult
beetle	<i>Malthodes minimus</i>	<i>Malthodes minimus</i>	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult Male
beetle	<i>Melanotus villosus</i>	<i>Melanotus villosus</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult Female
beetle	<i>Micrelus ericae</i>	Small Heather Weevil	Power Lines	11/07/2020	SU22991795	1 Count of Adult
beetle	<i>Mycetophagus quadripustulatus</i>	<i>Mycetophagus quadripustulatus</i>	Browse Plot	10/09/2020	SU227170	1 Count of Adult
beetle	<i>Mycetophagus quadripustulatus</i>	<i>Mycetophagus quadripustulatus</i>	Tuckers Hat	04/06/2020	SU23431658	1 Count of Adult
beetle	<i>Mycetophagus quadripustulatus</i>	<i>Mycetophagus quadripustulatus</i>	Tuckers Hat	04/06/2020	SU23431658	1 Count of Adult
beetle	<i>Nalassus laevioctostriatus</i>	<i>Nalassus laevioctostriatus</i>	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult
beetle	<i>Notiophilus biguttatus</i>	<i>Notiophilus biguttatus</i>	Tuckers Hat	10/09/2020	SU23431658	2 Count of Adult
beetle	<i>Nudobius lentus</i>	<i>Nudobius lentus</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Nudobius lentus</i>	<i>Nudobius lentus</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Octotemnus glabriculus</i>	<i>Octotemnus glabriculus</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Oedemera lurida</i>	<i>Oedemera (Oedemera) lurida</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Oedemera lurida</i>	<i>Oedemera lurida</i>	Power Lines	11/07/2020	SU22991795	Present Count of Adult
beetle	<i>Oedemera nobilis</i>	Swollen-thighed Beetle	Power Lines	04/06/2020	SU22991795	1 Count of Adult Male
beetle	<i>Orchesia undulata</i>	<i>Orchesia undulata</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Orthotomicus laricis</i>	<i>Orthotomicus laricis</i>	Power Lines	10/09/2020	SU22991795	1 Count of Adult
beetle	<i>Paromalus flavicornis</i>	<i>Paromalus flavicornis</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Paromalus flavicornis</i>	<i>Paromalus flavicornis</i>	Tuckers Hat	04/06/2020	SU23321655	2 Count of Adult
beetle	<i>Philonthus sanguinolentus</i>	<i>Philonthus sanguinolentus</i>	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
beetle	<i>Phloiotrya vaudoueri</i>	<i>Phloiotrya vaudoueri</i>	Tuckers Hat	11/07/2020	SU23421657	1 Count of Adult
beetle	<i>Platypus cylindrus</i>	Pinhole Borer	Tuckers Hat	11/07/2020	SU23241667	1 Count of Adult
beetle	<i>Podabrus alpinus</i>	<i>Podabrus alpinus</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Propylea quattuordecimpunctata</i>	14-spot Ladybird	Power Lines	11/07/2020	SU22991795	Present Count of Adult
beetle	<i>Pterostichus madidus</i>	Rain-Clock	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
beetle	<i>Pterostichus niger</i>	<i>Pterostichus (Platysma) niger</i>	Tuckers Hat	04/06/2020	SU23391649	1 Count of Adult
beetle	<i>Pterostichus strenuus</i>	<i>Pterostichus strenuus</i>	Tuckers Hat	10/09/2020	SU23431658	1 Count of Adult

beetle	<i>Pycnomerus fuliginosus</i>	<i>Pycnomerus fuliginosus</i>	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult
beetle	<i>Pyrochroa coccinea</i>	Black-headed Cardinal Beetle	Tuckers Hat	04/06/2020	SU23231665	1 Count of Adult
beetle	<i>Rhagium bifasciatum</i>	<i>Rhagium (Hagrium) bifasciatum</i>	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Elyton
beetle	<i>Rhagium bifasciatum</i>	<i>Rhagium (Hagrium) bifasciatum</i>	Pound Bottom Wood	04/06/2020	SU22271761	1 Count of Elyton
beetle	<i>Rhagonycha fulva</i>	Common Red Soldier Beetle	Tuckers Hat	11/07/2020	SU23191657	1 Count of Adult
beetle	<i>Rhagonycha lignosa</i>	<i>Rhagonycha lignosa</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Rhizophagus bipustulatus</i>	<i>Rhizophagus bipustulatus</i>	Tuckers Hat	04/06/2020	SU23031673	2 Count of Adult
beetle	<i>Rhizophagus dispar</i>	<i>Rhizophagus dispar</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Rutpela maculata</i>	<i>Rutpela maculata</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Salpingus planirostris</i>	<i>Salpingus planirostris</i>	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult
beetle	<i>Salpingus planirostris</i>	<i>Salpingus planirostris</i>	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
beetle	<i>Sepedophilus littoreus</i>	<i>Sepedophilus littoreus</i>	Tuckers Hat	10/09/2020	SU23051671	1 Count of Adult
beetle	<i>Sepedophilus lusitanicus</i>	<i>Sepedophilus lusitanicus</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
beetle	<i>Silvanus bidentatus</i>	<i>Silvanus bidentatus</i>	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult
beetle	<i>Silvanus bidentatus</i>	<i>Silvanus bidentatus</i>	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
beetle	<i>Silvanus unidentatus</i>	<i>Silvanus unidentatus</i>	Tuckers Hat	04/06/2020	SU23081678	2 Count of Adult
beetle	<i>Silvanus unidentatus</i>	<i>Silvanus unidentatus</i>	Tuckers Hat	04/06/2020	SU23031673	2 Count of Adult
beetle	<i>Sitona lineatus</i>	Pea-leaf Weevil	Power Lines	10/09/2020	SU22991795	Present Count of Adult
beetle	<i>Sitona striatellus</i>	<i>Sitona striatellus</i>	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Stenagostus rhombeus</i>	<i>Stenagostus rhombeus</i>	Tuckers Hat	04/06/2020	SU23161673	1 Count of Larva
beetle	<i>Stenus impressus</i>	<i>Stenus impressus</i>	Tuckers Hat	10/09/2020	SU23431658	1 Count of Adult Male
beetle	<i>Stictoleptura scutellata</i>	<i>Stictoleptura scutellata</i>	Tuckers Hat	11/07/2020	SU23031673	1 Count of Adult
beetle	<i>Strophosoma melanogrammum</i>	Nut Leaf Weevil	Power Lines	04/06/2020	SU22991795	1 Count of Adult
beetle	<i>Tachyporus hypnorum</i>	<i>Tachyporus hypnorum</i>	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult
beetle	<i>Taphrorychus bicolor</i>	<i>Taphrorychus bicolor</i>	Franchises Lodge	11/07/2020	SU23201764	Present Count of Adult
beetle	<i>Taphrorychus bicolor</i>	<i>Taphrorychus bicolor</i>	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult
beetle	<i>Tetrops praeustus</i>	Plum Beetle	Power Lines	04/06/2020	SU23541797	1 Count of Adult
beetle	<i>Thymalus limbatus</i>	<i>Thymalus limbatus</i>	Tuckers Hat	04/06/2020	SU23301659	1 Count of Adult
beetle	<i>Thymalus limbatus</i>	<i>Thymalus limbatus</i>	Tuckers Hat	04/06/2020	SU23161673	3 Count of Adult
beetle	<i>Thymalus limbatus</i>	<i>Thymalus limbatus</i>	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
beetle	<i>Triplax aenea</i>	<i>Triplax aenea</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Triplax aenea</i>	<i>Triplax aenea</i>	Tuckers Hat	04/06/2020	SU23321655	1 Count of Adult
beetle	<i>Triplax aenea</i>	<i>Triplax aenea</i>	Tuckers Hat	10/09/2020	SU23431658	1 Count of Adult

beetle	<i>Triplax aenea</i>	<i>Triplax aenea</i>	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
beetle	<i>Triplax lacordairii</i>	<i>Triplax lacordairii</i>	Tuckers Hat	04/06/2020	SU23231665	4+ Count of Adult
beetle	<i>Triplax lacordairii</i>	<i>Triplax lacordairii</i>	Tuckers Hat	04/06/2020	SU23431658	4+ Count of Adult
beetle	<i>Xantholinus longiventris</i>	<i>Xantholinus longiventris</i>	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
beetle	<i>Xyleborinus saxesenii</i>	Ambrosia Beetle	Tuckers Hat	04/06/2020	SU23031673	2 Count of Adult
bird	<i>Accipiter gentilis</i>	Goshawk	Pound Bottom Wood	04/06/2020	SU22121757	1 Count of Female
bird	<i>Coccothraustes coccothraustes</i>	Hawfinch	Power Lines	04/06/2020	SU23251800	2 Count of Flying
bird	<i>Coccothraustes coccothraustes</i>	Hawfinch	Tuckers Hat	04/06/2020	SU23321655	1 Count of Calling/vocalising
bird	<i>Locustella naevia</i>	Grasshopper Warbler	Power Lines	10/09/2020	SU23181796	1 Count of Adult
butterfly	<i>Aphantopus hyperantus</i>	Ringlet	Power Lines	11/07/2020	SU22991795	Present Count of Adult
butterfly	<i>Gonepteryx rhamni</i>	Brimstone	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
butterfly	<i>Lycaena phlaeas</i>	Small Copper	Power Lines	10/09/2020	SU22991795	1 Count of Adult
butterfly	<i>Maniola jurtina jurtina</i>	Meadow Brown	Power Lines	04/06/2020	SU22991795	1 Count of Adult
butterfly	<i>Melanargia galathea</i>	Marbled White	Power Lines	11/07/2020	SU22991795	1 Count of Adult
butterfly	<i>Ochlodes sylvanus</i>	Large Skipper	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
butterfly	<i>Pararge aegeria</i>	Speckled Wood	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
butterfly	<i>Pararge aegeria</i>	Speckled Wood	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
butterfly	<i>Pieris brassicae</i>	Large White	Power Lines	10/09/2020	SU22991795	Present Count of Adult
butterfly	<i>Pieris napi</i>	Green-veined White	Power Lines	11/07/2020	SU22991795	Present Count of Adult
butterfly	<i>Pieris rapae</i>	Small White	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
butterfly	<i>Polygonia c-album</i>	Comma	Franchises Common	11/07/2020	SU23641751	1 Count of Adult
butterfly	<i>Polyommatus icarus</i>	Common Blue	Power Lines	10/09/2020	SU22991795	Present Count of Adult Male
butterfly	<i>Pyronia tithonus</i>	Gatekeeper	Power Lines	11/07/2020	SU22991795	Present Count of Adult
centipede	<i>Lithobius variegatus</i>	<i>Lithobius variegatus</i>	Tuckers Hat	04/06/2020	SU23081678	Present Count of Adult
centipede	<i>Lithobius variegatus</i>	<i>Lithobius variegatus</i>	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
crustacean	<i>Armadillidium vulgare</i>	Common Pill Woodlouse	Power Lines	10/09/2020	SU22991795	Present Count of Adult
crustacean	<i>Oniscus asellus</i>	Common Shiny Woodlouse	Pound Bottom Wood	04/06/2020	SU22081749	Present Count of Adult
crustacean	<i>Oniscus asellus</i>	Common Shiny Woodlouse	Tuckers Hat	04/06/2020	SU23081678	Present Count of Adult
crustacean	<i>Oniscus asellus</i>	Common Shiny Woodlouse	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
crustacean	<i>Philoscia muscorum</i>	Common Striped Woodlouse	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
crustacean	<i>Porcellio scaber</i>	Common Rough Woodlouse	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult
crustacean	<i>Porcellio scaber</i>	Common Rough Woodlouse	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
dragonfly	<i>Anax imperator</i>	Emperor Dragonfly	Power Lines	11/07/2020	SU22991795	Present Count of Adult

dragonfly	<i>Cordulegaster boltonii</i>	Golden-ringed Dragonfly	Power Lines	11/07/2020	SU22991795	1 Count of Adult
dragonfly	<i>Orthetrum cancellatum</i>	Black-tailed Skimmer	Power Lines	04/06/2020	SU22991795	1 Count of Adult Female
dragonfly	<i>Sympetrum striolatum</i>	Common Sympetrum	Power Lines	10/09/2020	SU22991795	Present Count of Adult
earwig	<i>Forficula auricularia</i>	Common Earwig	Tuckers Hat	04/06/2020	SU23161673	1 Count of Dead
earwig	<i>Forficula auricularia</i>	Common Earwig	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
fungus	<i>Amanita pantherina</i>	Panthercap	Tuckers Hat	10/09/2020	SU23191657	Present Count of Fruiting
harvestman	<i>Dicranopalpus</i>	<i>Dicranopalpus</i>	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
harvestman	<i>Mitopus morio</i>	<i>Mitopus morio</i>	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
harvestman	<i>Paroligolophus agrestis</i>	<i>Paroligolophus agrestis</i>	Browse Plot	10/09/2020	SU23071692	Present Count of Adult
harvestman	<i>Paroligolophus agrestis</i>	<i>Paroligolophus agrestis</i>	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
harvestman	<i>Paroligolophus agrestis</i>	<i>Paroligolophus agrestis</i>	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult
hymenopteran	<i>Andricus kollari</i>	Marble Gall	Power Lines	04/06/2020	SU22991795	1 Count of Gall
hymenopteran	<i>Andricus kollari</i>	Marble Gall	Power Lines	10/09/2020	SU22991795	Present Count of Gall
hymenopteran	<i>Apis mellifera</i>	Western Honey Bee	Power Lines	04/06/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Apis mellifera</i>	Western Honey Bee	Power Lines	10/09/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Apis mellifera</i>	Western Honey Bee	Power Lines	11/07/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Bombus hypnorum</i>	Tree Bumblebee	Power Lines	04/06/2020	SU22991795	1 Count of Adult
hymenopteran	<i>Bombus pascuorum</i>	Common Carder Bee	Power Lines	04/06/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Bombus pascuorum</i>	Common Carder Bee	Power Lines	10/09/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Bombus pascuorum</i>	Common Carder Bee	Power Lines	11/07/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Formica fusca</i>	Dusky Ant	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
hymenopteran	<i>Formica fusca</i>	Dusky Ant	Power Lines	04/06/2020	SU22991795	Present Count of Adult
hymenopteran	<i>Myrmica ruginodis</i>	<i>Myrmica ruginodis</i>	Power Lines	10/09/2020	SU22991795	1 Count of Adult
hymenopteran	<i>Myrmica ruginodis</i>	<i>Myrmica ruginodis</i>	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
hymenopteran	<i>Neuroterus numismalis</i>	Silk-Button Spangle Gall	Franchises Common	10/09/2020	SU23641751	Present Count of Gall
hymenopteran	<i>Neuroterus quercusbaccarum</i>	Currant Gall	Tuckers Hat	10/09/2020	SU23191657	Present Count of Gall
hymenopteran	<i>Temnothorax nylanderi</i>	<i>Leptothorax nylanderi</i>	Power Lines	10/09/2020	SU22991795	1 Count of Adult
hymenopteran	<i>Vespa crabro</i>	Hornet	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
millipede	<i>Cylindroiulus punctatus</i>	Blunt-tailed Snake Millipede	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult
millipede	<i>Cylindroiulus punctatus</i>	Blunt-tailed Snake Millipede	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
millipede	<i>Polyxenus lagurus</i>	Bristly Millipede	Tuckers Hat	11/07/2020	SU23191657	1 Count of Adult
mollusc	<i>Cepaea hortensis</i>	White-lipped Snail	Power Lines	10/09/2020	SU22991795	Present Count of Adult
mollusc	<i>Monacha cantiana</i>	Kentish Snail	Power Lines	10/09/2020	SU22991795	Present Count of Adult

mollusc	<i>Oxychilus alliarius</i>	Garlic Snail	Tuckers Hat	04/06/2020	SU23231665	1 Count of Adult
mollusc	<i>Oxychilus alliarius</i>	Garlic Snail	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
moth	<i>Agriphila straminella</i>	Straw Grass-veneer	Power Lines	11/07/2020	SU22991795	Present Count of Adult
moth	<i>Argyresthia conjugella</i>	Apple-fruit Moth	Power Lines	04/06/2020	SU22991795	1 Count of Adult
moth	<i>Bupalus piniaria</i>	Bordered White	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Adult
moth	<i>Carcina quercana</i>	Long-horned Flat-body	Tuckers Hat	11/07/2020	SU23191657	1 Count of Adult
moth	<i>Celypha lacunana</i>	Common Marble	Power Lines	04/06/2020	SU22991795	1 Count of Adult
moth	<i>Ditula angustiorana</i>	Red-barred Tortrix	Franchises Common	04/06/2020	SU23641751	1 Count of Adult
moth	<i>Endotricha flammealis</i>	Rosy Tabby	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult
moth	<i>Hypena crassalis</i>	Beautiful Snout	Power Lines	11/07/2020	SU22991795	1 Count of Adult
moth	<i>Micropterix calthella</i>	Plain Gold	Franchises Common	04/06/2020	SU23641751	Present Count of Adult
moth	<i>Nemophora degeerella</i>	Yellow-barred Long-horn	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Adult
moth	<i>Notocelia uddmanniana</i>	Bramble Shoot Moth	Power Lines	04/06/2020	SU22991795	1 Count of Adult
moth	<i>Orgyia antiqua</i>	Vapourer	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Larva
moth	<i>Orgyia antiqua</i>	Vapourer	Tuckers Hat	11/07/2020	SU23191657	1 Count of Larva
moth	<i>Paradarisa consonaria</i>	Square Spot	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Adult
moth	<i>Psyche casta</i>	Common Sweep	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult
moth	<i>Taleporia tubulosa</i>	Brown Smoke	Tuckers Hat	10/09/2020	SU23191657	Present Count of Larvae
moth	<i>Tyria jacobaeae</i>	Cinnabar	Power Lines	04/06/2020	SU22991795	1 Count of Adult
orthopteran	<i>Chorthippus brunneus</i>	Field Grasshopper	Franchises Common	10/09/2020	SU23641751	Present Count of Singing
orthopteran	<i>Chorthippus parallelus</i>	Meadow Grasshopper	Power Lines	11/07/2020	SU22991795	Present Count of Adult
orthopteran	<i>Leptophyes punctatissima</i>	Speckled Bush-cricket	Browse Plot	04/06/2020	SU23071692	Present Count of Immature
orthopteran	<i>Leptophyes punctatissima</i>	Speckled Bush Cricket	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
orthopteran	<i>Meconema thalassinum</i>	Oak Bush Cricket	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
orthopteran	<i>Metrioptera roeselii</i>	Roesel's Bush-cricket	Power Lines	04/06/2020	SU22991795	Present Count of Nymph
orthopteran	<i>Metrioptera roeselii</i>	Roesel's Bush-cricket	Power Lines	10/09/2020	SU22991795	Present Count of Adult
orthopteran	<i>Metrioptera roeselii</i>	Roesel's Bush-cricket	Power Lines	11/07/2020	SU22991795	Present Count of Singing
orthopteran	<i>Nemobius sylvestris</i>	Wood Cricket	Franchises Common	10/09/2020	SU23641751	Present Count of Singing
orthopteran	<i>Nemobius sylvestris</i>	Wood Cricket	Power Lines	11/07/2020	SU233180	Present Count of Singing
orthopteran	<i>Nemobius sylvestris</i>	Wood Cricket	Tuckers Hat	10/09/2020	SU22931672	Present Count of Singing
orthopteran	<i>Omocestus viridulus</i>	Common Green Grasshopper	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
orthopteran	<i>Omocestus viridulus</i>	Common Green Grasshopper	Power Lines	10/09/2020	SU22991795	Present Count of Adult
spider	<i>Araneus angulatus</i>	<i>Araneus angulatus</i>	Franchises Common	04/06/2020	SU23511793	1 Count of Immature

spider	Araneus angulatus	Araneus angulatus	Tuckers Hat	04/06/2020	SU23031673	1 Count of Immature
spider	Araneus diadematus	Garden Orb-Web Spider	Franchises Common	10/09/2020	SU23641751	Present Count of Adult Male
spider	Clubiona corticalis	Clubiona corticalis	Franchises Common	04/06/2020	SU23371757	1 Count of Adult Female
spider	Diaea dorsata	Diaea dorsata	Power Lines	04/06/2020	SU22991795	1 Count of Adult Female
spider	Diaea dorsata	Diaea dorsata	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
spider	Diaea dorsata	Diaea dorsata	Tuckers Hat	11/07/2020	SU23191657	Present Count of Taxon
spider	Dictyna latens	Dictyna latens	Power Lines	04/06/2020	SU22991795	Present Count of Adult Male
spider	Episinus maculipes	Episinus maculipes	Franchises Common	04/06/2020	SU23461784	1 Count of Immature
spider	Erigone dentipalpis	Erigone dentipalpis	Power Lines	10/09/2020	SU22991795	1 Count of Adult Male; 1 Count of A
spider	Ero furcata	Ero furcata	Power Lines	10/09/2020	SU22991795	1 Count of Adult Male
spider	Euophrys frontalis	Euophrys frontalis	Power Lines	10/09/2020	SU22991795	Present Count of Taxon
spider	Evarcha arcuata	Evarcha arcuata	Power Lines	10/09/2020	SU23191798	1 Count of present
spider	Evarcha falcata	Evarcha falcata	Franchises Common	10/09/2020	SU23641751	Present Count of Taxon
spider	Gibbaranea gibbosa	Gibbaranea gibbosa	Tuckers Hat	10/09/2020	SU23191657	Present Count of Taxon
spider	Gonatium rubens	Gonatium rubens	Power Lines	10/09/2020	SU22991795	1 Count of Adult Female
spider	Harpactea hombergi	Harpactea hombergi	Tuckers Hat	04/06/2020	SU23161673	Present Count of Adult
spider	Harpactea hombergi	Harpactea hombergi	Tuckers Hat	10/09/2020	SU23191657	Present Count of Taxon
spider	Hypomma cornutum	Hypomma cornutum	Power Lines	04/06/2020	SU22991795	1 Count of Adult Female
spider	Hyptiotes paradoxus	Triangle Spider	Tuckers Hat	10/09/2020	SU23131671	1 Count of Immature
spider	Labulla thoracica	Labulla thoracica	Tuckers Hat	10/09/2020	SU23191657	1 Count of present
spider	Lathys humilis	Lathys humilis	Power Lines	10/09/2020	SU22991795	Present Count of Taxon
spider	Lathys humilis	Lathys humilis	Tuckers Hat	04/06/2020	SU23081678	1 Count of present
spider	Linyphia triangularis	Linyphia triangularis	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
spider	Linyphia triangularis	Linyphia triangularis	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult Female
spider	Mangora acalypha	Mangora acalypha	Franchises Common	10/09/2020	SU23641751	Present Count of Taxon
spider	Mangora acalypha	Mangora acalypha	Power Lines	11/07/2020	SU22991795	Present Count of Taxon
spider	Metellina segmentata	Metellina segmentata	Browse Plot	10/09/2020	SU23071692	Present Count of Adult
spider	Metellina segmentata	Metellina segmentata	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
spider	Micrommata virescens	Green Spider	Franchises Common	11/07/2020	SU23501792	1 Count of Female
spider	Microneta viaria	Microneta viaria	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult Male
spider	Misumena vatia	Misumena vatia	Power Lines	04/06/2020	SU22991795	1 Count of Immature
spider	Monocephalus fuscipes	Monocephalus fuscipes	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult Female
spider	Neon reticulatus	Neon reticulatus	Franchises Common	10/09/2020	SU23641751	1 Count of Adult Male

spider	Neriere peltata	Neriere peltata	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult Male
spider	Nigma puella	Nigma puella	Power Lines	04/06/2020	SU22981798	1 Count of Adult Female
spider	Nuctenea umbratica	Walnut Orb-Weaver Spider	Power Lines	10/09/2020	SU22991795	Present Count of Taxon
spider	Nuctenea umbratica	Walnut Orb-Weaver Spider	Power Lines	11/07/2020	SU22991795	Present Count of Taxon
spider	Pachygnatha degeeri	Pachygnatha degeeri	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
spider	Pardosa saltans	Pardosa saltans	Power Lines	04/06/2020	SU22991795	1 Count of Adult Female
spider	Pisaura mirabilis	Nursery-Web Spider	Pound Bottom Wood	04/06/2020	SU22081749	1 Count of Adult Female
spider	Pisaura mirabilis	Nursery-Web Spider	Power Lines	10/09/2020	SU22991795	Present Count of Taxon
spider	Platnickina tinctoria	Theridion tinctorum	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult
spider	Segestria senoculata	Segestria senoculata	Power Lines	04/06/2020	SU22991795	1 Count of Female
spider	Segestria senoculata	Segestria senoculata	Tuckers Hat	10/09/2020	SU23191657	1 Count of Immature
spider	Sibianor aurocinctus	Sibianor aurocinctus	Power Lines	10/09/2020	SU23221799	1 Count of Adult Male
spider	Sibianor aurocinctus	Sibianor aurocinctus	Power Lines	10/09/2020	SU22531793	1 Count of Adult Male
spider	Simitidion simile	Simitidion simile	Power Lines	10/09/2020	SU22991795	Present Count of Adult
spider	Tenuiphantes zimmermanni	Lepthyphantes zimmermanni	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult Male
spider	Theridion varians	Theridion varians	Power Lines	04/06/2020	SU22991795	1 Count of Adult Male
spider	Thyreosthenius parasiticus	Thyreosthenius parasiticus	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult Female
spider	Zilla diodia	Zilla diodia	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult Female
spider	Zilla diodia	Zilla diodia	Tuckers Hat	10/09/2020	SU23191657	Present Count of Taxon
spider	Zora spinimana	Zora spinimana	Browse Plot	10/09/2020	SU23071692	Present Count of Taxon
spider	Zora spinimana	Zora spinimana	Franchises Common	11/07/2020	SU23641751	Present Count of Taxon
springtail	Orchesella cincta	Orchesella cincta	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
springtail	Orchesella villosa	Orchesella villosa	Tuckers Hat	04/06/2020	SU23081678	Present Count of Adult
springtail	Orchesella villosa	Orchesella villosa	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
tick	Ixodes ricinus	Castor Bean Tick	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult
true bug	Allygus mixtus	Allygus mixtus	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	Aneurus avenius	Aneurus avenius	Power Lines	04/06/2020	SU22991795	1 Count of Adult Female
true bug	Aneurus avenius	Aneurus avenius	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult Female
true bug	Aphrophora alni	Aphrophora alni	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true bug	Aradus depressus	Aradus depressus	Tuckers Hat	04/06/2020	SU23031673	1 Count of Adult
true bug	Athysanus argentarius	Athysanus argentarius	Power Lines	11/07/2020	SU22991795	1 Count of Adult
true bug	Blepharidopterus angulatus	Black-Kneed Apple Capsid	Power Lines	10/09/2020	SU22991795	1 Count of Adult
true bug	Bryocoris pteridis	Bryocoris pteridis	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult

true bug	<i>Campyloneura virgula</i>	<i>Campyloneura virgula</i>	Tuckers Hat	11/07/2020	SU23191657	1 Count of Adult
true bug	<i>Cicadella viridis</i>	<i>Cicadella viridis</i>	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
true bug	<i>Cicadella viridis</i>	<i>Cicadella viridis</i>	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
true bug	<i>Conomelus anceps</i>	<i>Conomelus anceps</i>	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	<i>Conomelus anceps</i>	<i>Conomelus anceps</i>	Tuckers Hat	10/09/2020	SU23191657	Present Count of Adult
true bug	<i>Corizus hyoscyami</i>	<i>Corizus hyoscyami</i>	Franchises Common	10/09/2020	SU23641751	1 Count of Adult
true bug	<i>Cymus melanocephalus</i>	<i>Cymus melanocephalus</i>	Tuckers Hat	04/06/2020	SU23161673	Present Count of Adult
true bug	<i>Ditropis pteridis</i>	<i>Ditropis pteridis</i>	Tuckers Hat	04/06/2020	SU23191657	Present Count of Adult
true bug	<i>Drymus (Sylvadrymus) brunneus</i>	<i>Drymus (Sylvadrymus) brunneus</i>	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
true bug	<i>Eurygaster testudinaria</i>	Tortoise Bug	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	<i>Graphocephala fennahi</i>	Rhododendron Leafhopper	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true bug	<i>Heterogaster urticae</i>	Nettle Groundbug	Power Lines	04/06/2020	SU22991795	Present Count of Adult
true bug	<i>Heterotoma planicornis</i>	<i>Heterotoma planicornis</i>	Power Lines	04/06/2020	SU22991795	Present Count of Immature
true bug	<i>Himacerus apterus</i>	Tree Damsel Bug	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
true bug	<i>lassus lanio</i>	<i>lassus lanio</i>	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	<i>Kleidocerys resedae</i>	Birch Catkin Bug	Power Lines	04/06/2020	SU22991795	Present Count of Adult
true bug	<i>Kleidocerys resedae</i>	Birch Catkin Bug	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true bug	<i>Liocoris tripustulatus</i>	<i>Liocoris tripustulatus</i>	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	<i>Loricula pselaphiformis</i>	<i>Loricula pselaphiformis</i>	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult Female
true bug	<i>Lygus pratensis</i>	<i>Lygus pratensis</i>	Power Lines	10/09/2020	SU22991795	1 Count of Adult
true bug	<i>Nabis rugosus</i>	Common Damselbug	Browse Plot	10/09/2020	SU23071692	Present Count of Adult
true bug	<i>Nysius huttoni</i>	<i>Nysius huttoni</i>	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true bug	<i>Pentatoma rufipes</i>	Red-legged Shieldbug	Tuckers Hat	04/06/2020	SU23161673	Present Count of Immature
true bug	<i>Pentatoma rufipes</i>	Red-legged Shieldbug	Tuckers Hat	10/09/2020	SU23191657	1 Count of Dead
true bug	<i>Peritrechus geniculatus</i>	<i>Peritrechus geniculatus</i>	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true bug	<i>Phytocoris longipennis</i>	<i>Phytocoris (Phytocoris) longipennis</i>	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true bug	<i>Piezodorus lituratus</i>	Gorse Shieldbug	Power Lines	04/06/2020	SU22991795	1 Count of Adult
true bug	<i>Plagiognathus arbustorum</i>	<i>Plagiognathus (Plagiognathus) arbustorum</i>	Power Lines	04/06/2020	SU22991795	Present Count of Adult
true bug	<i>Plagiognathus arbustorum</i>	<i>Plagiognathus (Plagiognathus) arbustorum</i>	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	<i>Stenodema laevigata</i>	<i>Stenodema (Stenodema) laevigata</i>	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true bug	<i>Stenotus binotatus</i>	Timothy Grassbug	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true bug	<i>Stygnocoris sabulosus</i>	<i>Stygnocoris sabulosus</i>	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
true bug	<i>Xylocoris cursitans</i>	<i>Xylocoris (Xylocoris) cursitans</i>	Franchises Lodge	11/07/2020	SU23201764	Present Count of Adult

true bug	Xylocoris cursitans	Xylocoris (Xylocoris) cursitans	Tuckers Hat	10/09/2020	SU23431658	1 Count of Adult
true fly	Chrysopilus cristatus	Black Snipefly	Browse Plot	04/06/2020	SU23071692	1 Count of Adult Female
true fly	Dioctria baumhaueri	Stripe-legged Robberfly	Tuckers Hat	04/06/2020	SU23081678	1 Count of Adult
true fly	Dioctria linearis	Small Yellow-legged Robberfly	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Episyrphus balteatus	Marmalade Hoverfly	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
true fly	Eristalis pertinax	Eristalis pertinax	Franchises Common	10/09/2020	SU23641751	Present Count of Adult
true fly	Eupeodes corollae	Eupeodes corollae	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Helophilus pendulus	Helophilus pendulus	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Helophilus pendulus	Helophilus pendulus	Franchises Common	11/07/2020	SU23641751	Present Count of Adult
true fly	Imantimyia albisetia	Loxocera albisetia	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Leptogaster cylindrica	Striped Slender Robberfly	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Mesembrina meridiana	Mesembrina meridiana	Tuckers Hat	10/09/2020	SU23191657	1 Count of Adult
true fly	Myathropa florea	Myathropa florea	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Nowickia ferox	Nowickia ferox	Power Lines	11/07/2020	SU22991795	Present Count of Adult
true fly	Platycheirus albimanus	Platycheirus albimanus	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Rhagio lineola	Small Fleck-winged Snipefly	Franchises Lodge	11/07/2020	SU23201764	1 Count of Adult
true fly	Rhagio scolopaceus	Downlooker Snipefly	Tuckers Hat	04/06/2020	SU23191657	1 Count of Adult
true fly	Rhagio scolopaceus	Downlooker Snipefly	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult
true fly	Sericomyia silentis	Sericomyia silentis	Browse Plot	04/06/2020	SU23071692	2 Count of Adult
true fly	Taxomyia taxi	Taxomyia taxi	Tuckers Hat	04/06/2020	SU23161673	Present Count of Gall
true fly	Taxomyia taxi	Taxomyia taxi	Tuckers Hat	10/09/2020	SU23191657	Present Count of Gall
true fly	Tipula paludosa	Tipula paludosa	Power Lines	10/09/2020	SU22991795	Present Count of Adult
true fly	Tipula selene	Tipula selene	Tuckers Hat	04/06/2020	SU23161673	1 Count of Adult Female
true fly	Xylota abiens	Xylota abiens	Tuckers Hat	11/07/2020	SU23191657	1 Count of Adult
true fly	Xylota segnis	Xylota segnis	Power Lines	10/09/2020	SU22991795	1 Count of Adult
true fly	Xylota segnis	Xylota segnis	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult
true fly	Xylota sylvarum	Xylota sylvarum	Tuckers Hat	04/06/2020	SU23361655	1 Count of Adult
true fly	Xylota sylvarum	Xylota sylvarum	Tuckers Hat	11/07/2020	SU23191657	Present Count of Adult

