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MEDIEVAL AND POST-MEDIEVAL PLANT AND INVERTEBRATE REMAINS FROM AREA II, THE BEDERN (NORTH-EAST), YORK.

A Hall, H Kenward & A Robertson

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MEDIEVAL AND POST-MEDIEVAL PLANT AND INVERTEBRATE REMAINS FROM AREA II, THE BEDERN (NORTH-EAST), YORK.

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Summary

Deposits of medieval and post-medieval date, many of them associated with the college of the Vicars Choral, attached to York Minster, from Area II, The Bedern (north-east), were investigated for plant and invertebrate remains. 33 contexts were examined by means of 52 samples, of which 27 contexts and 37 samples were analysed for plant and insect remains. Many were subjected to analysis of intestinal parasite eggs. Apart from some pit fills with good preservation by 'waterlogging' many of the deposits from this site gave small assemblages of plants and insects. Most of the pit fills gave some evidence for faecal material, probably human, and some were a rich source of foodplants, notably fruits and flavourings. Worm eggs were usually well represented in such deposits, and there was sometimes a component of insects associated with foul decomposing matter. Most of the insect assemblages from the site, however, were either interpretatively bland or rich in 'house fauna'. The material provides a useful addition to the growing corpus of information concerning post-Conquest medieval (and also to a small extent) post-medieval York.

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Investigation of medieval and post-medieval plant and invertebrate remains from Area II of the excavations in The Bedern (north-east), York (YAT/Yorkshire Museum sitecode 1976-81.14 II): Technical Report

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Prepared for York Archaeological Trust, 15.12.92

Introduction and methods

Deposits of medieval to early modern date were excavated from Area II at The Bedern (north-east) during 1978-9. The sampling strategy for biological remains, although good by the standards of the time, was much less thorough than that currently favoured within the Environmental Archaeology Unit (Dobney *et al.* 1992), where all layers are sampled by means of a 'general biological analysis' sample, at least, with 'bulk-sieving' employed wherever practicable, together with 'site-riddling' where the context is very large. Only very limited bulk-sieving and no site-riddling was undertaken in the present case. Samples for processing in the laboratory were prioritised by the post-excavation team and analyses undertaken sporadically through the period 1978-89.

Laboratory processing methods varied through the period of practical work. In the early stages, separate subsamples for insect and plant macrofossil analyses were taken; latterly, these remains were examined from the same subsamples. Initially, methods for extraction and recording of insect and plant remains followed those of Kenward *et al.* (1980). Latterly, the abbreviated 'test processing' method of Kenward *et al.* (1985) was employed for processing subsamples for both plant and insect analyses. The plant material from these subsamples was recorded semi-quantitatively; insects were fully quantitatively scan-recorded (Kenward 1992) unless otherwise stated. For each sample discussed below, the weight of the subsamples examined is given after the sample number. Invertebrates other than beetles and bugs (and worm eggs, see below) were not routinely recorded in a systematic way when the bulk of the analyses were carried out and, since it would be misleading to present the 'patchy' data obtained, this information is not included in this report. Recording of components of samples other than plant and invertebrate remains was likewise not wholly consistent, but lists of materials such as mortar, brick/tile, bone, shell and so on appear in Appendix 2 with the lists of plant remains.

Subsamples for analysis of the eggs of intestinal parasitic worms were treated following the 'modified Stoll method' summarised by Dainton (1992, 59-60); this work was supervised by Dr Andrew Jones. In addition, 'spot' samples were examined in various ways and some identifications of timbers were also made (included in Appendix 6).

The bulk-sieved samples, collected primarily for the recovery of bone, were dealt with in a somewhat haphazard way, essentially following the practical methods outlined by Kenward *et al.* (1980). In the end, only a few were sorted and plant and animal remains have not been recorded from them.

In addition to the main series of analyses, student projects was carried out by Alison Cameron (ASC) and Harriot Topsey (HWT), then undergraduates at the University of Bradford, on some material from this site. Their results are incorporated in the text below.

This report is one of a series of three dealing with medieval and post-medieval plant and invertebrate analyses from excavations in The Bedern; Area X to the south-west and IV, also to the north-east of The Bedern (site codes 1973-81.13 X and 1976-81.14 IV) are considered by Hall *et al.* (1992a; b). The present report draws on an unpublished account by Kenward and Robertson (1988a). Other published information about plant and animal remains from this area of York is given by Kenward *et al.* (1986) who deal with Roman and early medieval material from The Bedern, south-west, Areas III-VI (1973-81.13 III-IV) and north-east, Area I (1976-81.14 I), and from a site adjacent to 1-5 Aldwark (1976-9.15). An unpublished report on post-Roman material from the last of these sites is given by Kenward and Robertson (1988b). Bone from Area II at The Bedern, south-west, is considered by O'Connor (1989a) and bone from various parts of this site by Scott (1985). Bone from Area

X is considered further by Dobney (forthcoming). Further investigation of medieval deposits associated with standing buildings in this general part of York is reported by Jones (1989), Nicholson *et al.* (1989), O'Connor (1989b) and Robertson *et al.* (1989) dealing with material from a site in Coffee Yard (1987.1). Biological evidence from further sites, close to Coffee Yard, in Swinegate, will be investigated in the near future. The archaeological record pertinent to the deposits discussed in the present report is currently being drawn together by Dr Julian Richards, for York Archaeological Trust.

Results of the analyses

Species lists of plants and adult Coleoptera and Hemiptera, and other items recorded from the subsamples are given in Appendices 1-4. 'Main statistics' for the beetle and bug assemblages are given in Appendix 4. The presence of other groups of insects is noted in the text where relevant. Note that raw data for counts of parasite eggs are not presented in the appendices; the data have been drawn on in the text where they are presented semi-quantitatively on the following approximate scale: 'trace' — 1-3; 'few' — 4-7 *Trichuris* and 4-5 *Ascaris*; 'modest numbers' — 8-15 *Trichuris* and 6-10 *Ascaris*; 'significant numbers' — more than 15 *Trichuris* or 10 *Ascaris* ('large numbers' signifies several 10s of eggs counted). This scale has been adopted because (i) experience has shown that there is great heterogeneity in parasite egg concentrations in most deposits; (ii) it is inappropriate to use exact numbers where they lend spurious accuracy — they can only be converted to concentrations by multiplication, compounding inaccuracies inherent in the recording method; and (iii) in some cases the exact method used to extract and count eggs is not clear from the written archive. There were numerous records of structures provisionally identified as eggs of *Hymenolepis*, a nematode gut parasite of rodents. The determination is the subject of considerable uncertainty, however, and these records are referred to in the text as '*?Hymenolepis*'.

In the following account, the samples are considered by phase and context, with archaeological information in brackets after the context number. The sample number is, in some cases, followed by an indication of the number, size and kinds of subsample examined; thus, /1, /2 etc. refer to 'fully-processed' subsamples primarily investigated for insects; /T to 'test processed' subsamples (examined for insects and usually also for plant macrofossils); and /M to subsamples analysed exclusively for plant remains.

Phase 1 [mid C13th]

Context **1784** [ditch fills]

Context **1784B**

Samples 85 and 88

Two samples of this context were bulk-sieved (recorded as 'a dustbinful', of the order of 100 kg, and '½ binful'). They both yielded a range of components, mostly unquantified, but including bone, nutshell, snails, shellfish, charred grain, pottery, brick/tile, coal, wood and charcoal. Amongst the plant remains, it was noted that walnut (*Juglans regia*) and hempseed (*Cannabis sativa*) were both present in each of the samples.

Context **1784C**

Sample 86

A bulk-sieved sample of about 100 kg ('a dustbinful') was processed. It gave a wide range of components (unquantified in the records made), including hempseed and faecal concretions.

Phase 2 [mid-late C13th]

Context **1774** [pit fill (with residual/intrusive material)]

Sample 77

A single subsample was examined for parasite eggs; it was barren.

Sample 78

Two subsamples were bulk-sieved, both of 'a dustbinful' (about 100 kg each) ; the residues were sorted but no quantification of the components was made. A wide range of materials was present, including bone, shell, pot, brick/tile, nutshell, wood and charcoal.

Sample 79 (1 kg /1; 0.1 kg /M)

Dark brown, laminated, fibrous, compressed organic material with faecal concretions and some pot.

A 1 kilogramme subsample was fully processed for insect remains. The modest assemblage of beetles (N = 106, S = 55) was of middling diversity and had a rather low proportion of outdoor individuals by comparison with material from a range of sites (alpha = 46, SE = 8, %N OB = 8). There was a substantial proportion of decomposers (%N RT = 66), and diversity of this component was fairly low (although, as pointed out above, there is a need of wider comparison of this parameter), suggesting a modest breeding community. The taxa present do not indicate very foul conditions, however, and may belong to a dry upper layer or even have originated elsewhere.

Although 'faecal concretions' were recorded during the laboratory description of this sample, there was no evidence for food waste or human faeces in the subsample of 100 g examined by ASC. Indeed, it is most likely that there was some hay or other cut grassland vegetation present, to judge from the moderate numbers of buttercup (*Ranunculus* Section *Ranunculus*) achenes and traces of cow parsley (*Anthriscus sylvestris*), hogweed (*Heracleum sphondylium*), self-heal (*Prunella vulgaris*) and yellow-rattle (*Rhinanthus* sp(p).) recorded. The trace of saw-sedge (*Cladium mariscus*) perhaps points to the present of cut wetland vegetation, too.

Five subsamples were examined for parasite eggs: four subsamples treated using the standard modified Stoll technique and a fifth to which flotation using saturated magnesium sulphate solution had been applied. Two produced no eggs, and single *Ascaris* and '*?Hymenolepis* eggs' respectively, while two more gave a trace and a small number of *Trichuris*, respectively, and the flotation subsample gave modest numbers of '*?Hymenolepis*' and a single *Ascaris*.

Sample 80

A single subsample was examined for parasite eggs; it was barren.

A further subsample (no record of weight available) was bulk-sieved to 1 mm; in the residue there were a few small fragments of mammal and bird bone, numerous fly puparia, a few seeds, nutshell, charcoal, and wood fragments, pottery and brick/tile.

Sample 81

A 3 kg subsample was bulk-sieved to 1 mm by ASC after the main period of analysis. There were small amounts of bone, insects, seeds, nutshell fragments and fruitstones, but no more detailed identifications were made.

Sample 82

A 0.4 kg subsample was bulk-sieved to 1 mm by ASC after the main period of analysis. There were small amounts of nutshell fragments and faecal concretions.

Phase 4 [late C13th]

Context **1664** [fill of linear feature]

Sample 63 (0.42 kg /T)

Mid grey-brown, plastic to crumbly, sandy silty clay with some red-brown natural clay.

The tiny flot was barren and the residue yielded only two identifiable plant taxa and small amounts of a limited range of occupation debris.

A single subsample was examined for parasite eggs; it was barren.

Context **1665** [fill of linear feature]

Sample 68 (0.81 kg /T)

Mid to dark grey-brown, dry, crumbly, sandy clay silt with brick/tile, mortar, eggshell, charcoal and limestone.

The tiny flot was barren of invertebrates but gave traces of fig (*Ficus carica*) and weld/dyer's rocket (*Reseda luteola*) seeds.

A single subsample was examined for parasite eggs; it was barren.

Phase 6 [mid-late C14th]

Context **1336** [pit fill]

Sample 35 (1 kg /1; 0.1 kg /M)

Silty clay with gravel and limestone.

A 1 kilogramme subsample was fully processed but few insects were present - only seven individuals and four taxa. Only *Tipnus unicolor* was represented by more than one individual: there were four. This spider beetle is particularly associated (in synanthropic habitats) with fairly old, somewhat damp buildings and doubtless infested Building 5.

Three identifiable taxa were recorded as seeds from the small subsample examined for plant remains; of these, one was fig, another elderberry (*Sambucus nigra*), both likely to survive the rigours of decay.

Three subsamples were examined for parasite eggs; one was barren, and the other two gave small numbers of *Trichuris*.

Context **1336B** [pit fill]

Sample 36 (1 kg /1; 0.1 kg /M)

Dark grey-brown silty clay.

A 1 kilogramme subsample was fully processed. There were only a few unidentifiable insect fragments in the flot. The small subsample for plant remains gave only a trace of fig seeds.

Two subsamples were examined for parasite eggs; they gave small to modest numbers of *Trichuris*.

Context **1447** [charcoal loam]

Sample 54 (2 x 1 kg /T 1,2)

Mid grey-brown to red-brown, moist, plastic, silty clay with limestone, brick/tile and a few stones.

Two subsamples were examined. In both cases the tiny flots were barren. The residue from the first /T subsample gave no identifiable plant remains, merely small amounts of several occupation debris, including brick/tile, charcoal, pottery, bone and mortar.

Two subsamples was examined for parasite eggs; they were both barren.

Context **1505** [pit fills]

Context **1505A** [uppermost fill]

Sample 56 (1 kg /1; 0.3 and 0.1 kg /M)

Yellowish-brown peat with several concretions.

A 1 kilogramme subsample was fully processed and gave a moderately large assemblage (S = 62, N = 161) of middling diversity (alpha = 37, SE = 5) and with few outdoor individuals (%N OB = 5). The decomposer component was rather large (%N RT = 66), but was rather generalised with neither RD or RF taxa very abundant (%N RD = 15; %N RF = 4). Diversity of the RT component was rather low (alpha RT = 23, SE = 4) and several decomposer taxa quite numerous. In addition, two uncoded ('u') taxa (*Aleochara* sp. and *Philonthus* sp. B) probably belong to this group, so the assemblage probably contains the remains of an *in situ* breeding community. This fill of the pit was exposed for perhaps some weeks, but not completely waterlogged.

Both subsamples examined for plant remains gave modest lists, both including considerable amounts of corncockle seed fragments (presumably from milled grain-based food), and one also gave moderate amounts of *Centaurea* sp(p). achenes—quite likely to be cornflower, *C. cyanus*, another grain contaminant. It is quite likely that some faeces or food waste was, indeed, present, and other food components included traces of fig, blackberry, strawberry, 'plum' (*Prunus domestica*) and hazel nut (*Corylus avellana*). The other taxa present are likely to have been cornfield or waste ground weeds.

Six subsamples were examined for parasite eggs; all gave substantial to large counts for *Trichuris*, while one gave a single *Ascaris*.

Context **1505B**

Sample 57 (1 kg /1; 1.0 and 0.1 kg /M)

Black amorphous organic material.

A 1 kilogramme subsample was fully processed and the beetle assemblage present was rather small (N = 75). Forty-six were recorded; alpha = 50, SE = 11. The proportion of outdoor forms was low. Decomposers accounted for 53% of the assemblage, with RD quite small and RF taxa absent. The fauna is large enough to suggest that this fill was exposed when insects were active, and the most abundant taxa (*Neobisnius* sp., almost certainly *villosulus*, and *Carpelimus bilineatus*) have frequently been recorded as dominant in cess-pit fills at the 16-22 Coppergate site. It appears likely that this layer represents a moderately foul deposit which was not exposed for too long: alpha RT is quite low (29; SE 9), so it is possible that some breeding occurred, but this parameter requires further comparison with other material before being used, as it is possible that quite low values may result from non- breeding aggregations at potential breeding sites.

There was a rather large assemblage of taxa from the larger of the two subsamples examined for plant remains. It included moderate amounts of corncockle seed fragments with traces of a wide range of weeds of cornfields and other disturbed habitats. Probable food remains comprised hazel nut, fig, blackberry, strawberry, and apple (*Malus sylvestris*). The smaller subsample gave no evidence for food or faecal material, the six taxa recorded mostly being identified at too low a taxonomic level for useful interpretation.

Five subsamples were processed and a total of nine counts made for parasite eggs; they consistently indicated modest to large numbers of *Trichuris*.

Context **1505C** [lowermost fill]

Sample 58 (1 kg /1; 0.1 kg /M)

Dark, structured peat.

A 1 kilogramme subsample was fully processed and an assemblage of moderate size was recovered: 72 taxa with an MNI of 138 individuals. Diversity was quite high (alpha = 61, SE = 9) and the outdoor component proportionally a little larger than in the overlying layers (%N OB = 7). though of course such differences are likely to be within the range caused by random 'sampling' errors. Decomposers were fairly numerous, RT taxa contributing 66% of the individuals. Within this component, RD taxa were quite well represented (%N RD = 19), but foul-matter poorly so (%N RF = 2). The more abundant taxa included decomposers and domestics. Some of the former may have bred in the pit (e.g. *Ptenidium ?pusillum*) but others (e.g. *Lathridius minutus* group, *Mycetaea hirta*) may equally have originated with the domestics (e.g. *Anobium punctatum*, *Tipnus unicolor*) in the building.

Corncockle seed fragments were again rather frequent in the subsample examined for plant remains, and with it was a modest range of taxa including weeds, but also with traces of blackberry, and apple, and of cereal grain preserved by 'waterlogging'.

A single subsample was examined for parasite eggs; it gave a modest number of *Trichuris*.

Context **1505**

Samples 1505 A-U

A series of 21 subsamples of this overall context, each of 1 dustbinful (approximately 100 kg), except for one sample of ½ binful and one where no record of volume was made, were bulk-sieved to 1 mm. no detailed analysis of the material has been made, but the residues were sorted and, where quantified, the components often

included large amounts of seeds and nutshell fragments and bone, some shellfish, pottery, and charcoal but there appeared to be quite large differences between the separate samples.

Phase 7 [late C14th-early C15th]

Context **1105** [pit fill]

Sample 12 (1 kg /T)

Light to mid grey-brown, moist, crumbly, sandy silty clay fill with abundant limestone and small quantities of bone and clay.

Some plant fragments and a single individual of *Corticaria* sp. made up the tiny flot. Only a trace of toad-rush (*Juncus bufonius*) seed was recorded from the residue, along with abundant mammal bone and traces of brick/tile, chalk, charcoal and some iron-rich concretions.

Context **1359** [pit fills]

Context **1359A** [pit fill]

Sample 38 (2 x 1 kg /1; 0.1 kg /M)

Silt, with some gravel and charcoal.

Two 1 kg sub-samples were fully processed. Subsample 38/1 gave rather more taxa than 38/4 (55 as opposed to 43; thus giving a higher estimate of the index of diversity) but in other significant respects the two were very similar, with many statistics identical or nearly so. The faunas were dominated oxyteline staphylinids and *Neobisnius* sp. (probably *villosulus*), and thus resemble several cess-pits at the 16-22 Coppergate site. It is supposed that these bred in foul but somewhat open-textured faeces. This material may have been exposed for some time to allow populations to build up to modest levels—weeks perhaps.

The small assemblage of plant remains consisted almost entirely of weeds and wet grassland taxa, perhaps not surprising in the uppermost of the fills of this pit.

Two subsamples were investigated for parasite eggs; for each, two separate counts were made. The first subsample gave traces of *Trichuris*, the second modest numbers of this taxon.

Context **1359B**

Sample 39 (2 x 1 kg /1; 0.1 kg /M)

Organic matrix with organic concretions, silt and mortar.

Two 1 kg sub-samples were fully processed and gave assemblages with nearly identical main statistics. The species lists have a very similar 'flavour' even though they differed in the ranking of the species. Beetles were fairly abundant, each subsample giving over 150 individuals. Diversity was estimated to lie in the mid-thirties in each case, with only a small error. The proportion of outdoor individuals was modest (%N OB = 6 and 7 respectively). Both assemblages gave values of %N RT of 69, with RD and RF taxa well but not strongly represented. Alpha RT was estimated to be quite low (21 and 16 in the two subsamples), and the more abundant taxa probably represent a breeding community in decaying organic material which was not excessively wet. Some of the more numerous taxa certainly came from the outside the pit (spider beetles, woodworm, and perhaps

Mycetaea hirta), and others may have done so.

The modest plant macrofossil assemblage from the small subsample examined was unusual in being rich in sedge (*Carex* sp(p).), spike-rush (*Eleocharis palustris*) and sheep's sorrel (*Rumex acetosella* agg.) nutlets, with rather frequent achenes of buttercup and seeds of *Brassica* sp(p). These do not form a coherent group ecologically and the remaining taxa recorded in trace amounts represent a mixture of habitats or vegetation types. Food plants were restricted to hazel nut and fig seeds.

Two subsamples were investigated for parasite eggs; for each, two separate counts were made. All gave modest to substantial numbers of *Trichuris*.

Context **1359C**

Sample 40 (2 x 1 kg /1; 0.1 kg /M)

Organic matrix of peaty silt with organic concretions and silty clay.

Two 1 kg subsamples were fully processed. Subsample /1 gave the larger assemblage with 137 individuals of 54 taxa. Diversity was moderate (alpha = 33, SE = 5) and the concentration and proportion of outdoor forms low (%N OB = 4). Decomposers were abundant (%N RT = 74) but of somewhat mixed ecological origins. If ever a majority bred in the pit the fill must have been fairly dry, mouldering material at least in its upper layers. An origin in dumped rubbish, such as floor sweepings, for much of the fauna seems possible; there are not really enough outdoor forms or high enough diversity for collection of material from surface run-off from around the building to be a likely mechanism.

The second subsample, /6, gave 80 individuals of 51 taxa, so diversity was estimated to be quite high (alpha = 60, SE = 13). Species composition was rather different from that of the previous subsample, but there was an underlying similarity. This and /1 may differ primarily in the presence of an additional, imported, decomposer component in the latter.

The modest assemblages of plant macrofossils from the two subsamples examined were essentially similar, both including a component of food plant remains, notably fig (abundant in both), hazel nut, ?blackberry, sloe and grape, and with ?raspberry (*Rubus* cf. *idaeus*) in one of them. The presence of moderate amounts of corncockle seed fragments probably points to the incorporation of milled grain-based foods in the deposit (though 'bran' itself was not identified from this layer).

Four subsamples were examined for parasite eggs; all gave substantial numbers of *Trichuris*, three gave traces of *Ascaris*, and the fourth gave modest numbers of *Ascaris*.

A subsample of this deposit was bulk-sieved to 1 mm, though there is apparently no record of the volume processed; it yielded a few small fragments of mammal and fish bone, traces of leather, shellfish, charred cereal grains, seeds ('mostly grape pips'), nutshell, fruitstones (presumably *Prunus*), pottery, metal, brick/tile and mortar/plaster.

Context **1359D**

Sample 41 (2 x 1 kg /1; 0.1 kg /M)

Charcoal-rich organic clay silt, with wood fragments in abundance and some charcoal.

Two 1 kg subsamples were fully processed and both of the recovered assemblages were quite small (86 and 72 individuals and 46 and 48 taxa respectively). The main statistics were almost identical, with species composition not differing too substantially. Outdoor forms were proportionally quite well represented, although of course total numbers were not large. Mixed origins are suspected, with autochthones of fairly foul conditions, a component

from adjacent structures, and further-travelled background fauna.

There was a somewhat larger than usual (for the deposits from this site) component of charred plant remains in the residue from the 0.1 kg subsample examined), including rather frequent charred grass fruits and traces of charred fig and ?pea (cf. *Pisum* sp(p).) seeds. For the most part, though, the taxa recorded were a mixture of weeds and wetland plants, the only ones present in more than trace amounts being stinging nettle (*Urtica dioica*) and sedges.

Two counts for parasite eggs were made on a single subsample; both gave small numbers of *Trichuris* eggs.

Context **1359E**

Sample 42 (2 x 1 kg /1; 0.1 kg /M)

Large organic lumps, wood, brick/tile and some charcoal.

Two 1 kg subsamples were fully processed. Each gave an assemblage of rather more than 100 individuals, with 70 and 77 taxa respectively. Diversity was quite high (62, SE = 9, and 108, SE =21) and the outdoor component quite strong (%N OB = 14, 17). Species composition was broadly similar. Some decomposers—e.g. *Acrotrichis* sp., *Cercyon atricapillus*, *Monotoma picipes* and *Neobisnius* sp.—probably bred and many others would have found habitats with them. There was probably a strong background component, however. The well-represented aquatics may have come to open water in the pit.

Sheep's sorrel, sedge and spike-rush nutlets were all rather frequent in the small subsample examined, and in this respect the assemblage aped that from sample 39 from elsewhere in this sequence. The remaining taxa were weeds or wetland plants and there was no clear food component.

Two subsamples were investigated for parasite eggs; for each, two separate counts were made. The counts for *Trichuris* ranged from zero to small numbers.

Context **1359F** [lowermost fill]

Sample 43 (2 x 1 kg /1; 0.1 kg /M)

Gravel with large pieces of brick/tile and some bone.

Two 1 kg subsamples were fully processed, but neither gave many insects (42 and 52 respectively). Both assemblages were diverse and rather rich in outdoor taxa, and although there are some similarities to the fauna of Sample 47, a largely background origin for the present group appears likely.

Only four identifiable plant taxa were recorded from the small subsample examined; they do not form an interpretable assemblage.

Two subsamples were investigated for parasite eggs; for each, two separate counts were made. All gave traces of *Trichuris*.

Context **1384** [pit fill]

Sample 47 (2 x 1 kg /T 1,2)

Black, moist, slightly brittle, amorphous organic matrix with rotted limestone, charcoal and faecal concretions.

Two subsamples were examined. The first produced a medium sized flot with much highly fragmented plant

remains, several seeds and fly puparia, a few fly fragments and a parasitic wasp. It also gave an assemblage of 20 beetle taxa, there being an estimated 42 individuals. Diversity was low (alpha = 15, SE = 4), although this value is suspect since the frequency of the only two abundant taxa was estimated. This may have been a small group of invaders of faecal material, with perhaps a breeding decomposer element.

The second medium sized subsample contained abundant plant fragments and seeds and a larger group of beetles, 28 taxa and 61 (estimated) individuals. Again, diversity was low (alpha = 20, SE = 4), but with similar reservations to those mentioned above. As in the previous subsample, decomposers made up much of the assemblage, and the same conclusions apply.

There is no doubt, from analysis of the plant remains from the first subsample, that there was an abundance of faecal material in this deposit. Faecal concretions, corncockle (*Agrostemma githago*) seed fragments and fig seeds were all recorded in large amounts and there was a considerable component of cereal (wheat/rye) 'bran'. Apart from traces of strawberry (*Fragaria* cf. *vesca*), blackberry (*Rubus fruticosus* agg.), fennel (*Foeniculum vulgare*), sloe (*Prunus spinosa*), and grape (*Vitis vinifera*), most of the taxa were probably weeds of some kind, though the presence of *Sphagnum* leaves and cotton-grass (*Eriophorum vaginatum*) sclerenchyma spindles suggests some peatland materials (peat itself?) were present in this fill. There were also traces of occupation materials such as brick/tile, charcoal, fish and mammal bone and mortar.

Five subsamples were examined for parasite eggs; all gave significant numbers of both *Trichuris* and *Ascaris* eggs, with the relative proportions varying, although in general with substantially more of the former. One subsample gave a single '*?Hymenolepis*'.

Context **1450B** [drain fill]

Sample 50 (2 x 1 kg /T1, 2)

Mid to dark grey-brown, moist, slightly sandy silty clay with small amounts of brick/tile, limestone, charcoal and bone.

Two subsamples were examined and produced small flots with a few plant remains, charcoal and slag. Both also gave very small lists of insect remains, 8 and 6 individuals respectively. They are dissimilar, but this is hardly surprising for such small groups, where random 'sampling' effects will be very important. No interpretation can be made, except to note that the fauna could be a random extract from many medieval urban ones.

There was a small assemblage of identifiable plant remains from the first subsample (/T1), a rather odd mixture of taxa. It included greater celandine (*Chelidonium majus*), typically found at the foot of stone walls (this was the only record for the plant from this area of the Bedern site—there were five records from Area IV, none from Area X). The assemblage had no particular character, however, all the taxa being recorded regularly from urban archaeological deposits, apart from some charred cereal awns and charred sclerenchyma spindles of cotton-grass. The residue included moderate amounts of brick/tile and mortar and traces of occupation materials such as charcoal, pottery, eggshell, bone and shellfish.

Only the flot was investigated from the second subsample. Unusually, amongst the four taxa recorded, there were traces of two aquatic plants—duckweed (*Lemna* sp.) and pondweed (*Potamogeton* sp.). It seems unlikely that the drain carried floating and floating-leaved aquatic plants, so perhaps these remains arrived in river or pond water which was disposed of into the drain.

Three subsamples were examined for parasite eggs; all gave traces of '*?Hymenolepis*' and one also a trace of *Trichuris*.

Context **1470** [pit fill]

Sample 53 (2 x 1 kg /T1, 2)

Clay flecks, wood fragments and soil in a very dark brown, moist crumbly amorphous organic matrix.

The medium-sized flot included several seeds, plant and wood fragments, a few mites, fly puparia and an aphid. Subsample /T1 produced only 18 individuals of Coleoptera, while /T2 had 57. *Coprophilus striatulus* was the most numerous beetle, with 'many' estimated in subsample /T2. It has been found at other sites in cess-pit fills, and, as here, with a putative subterranean group of post-depositional invaders including *Trechus micros* and *Rhizophagus parallelocollis*. Clearly the fauna of this cess-pit was very limited, so it was probably well sealed, probably with an internal opening only.

All of the taxa in the modest-sized assemblage of plant remains recorded were present in trace amounts. They included another plant typically found under walls in urban contexts (cf. greater celandine, sample 50, context 1450, above), viz. deadly nightshade (*Atropa bella-donna*), as well as fig, *Sphagnum* leaves and several weeds of waste ground or damp areas. The residue also yielded traces of a variety of occupation debris including bark, bone, stone and wood.

Five subsamples were examined for parasite eggs; all gave traces of '*?Hymenolepis*', while two also gave a trace of *Ascaris* and one of these also a trace of *Trichuris*.

Context **1479** [pit fill]

Sample 55 (2 x 1 kg /T1, 2)

Very dark brown moist crumbly slightly sandy clay silt or amorphous organic material with a small amount of brick/tile.

Two subsamples were processed, their small flots including some pale plant fragments, several fly puparia and fly fragments, a few seeds, mites and scale insects and a flea. The beetle assemblages from the two subsamples differed somewhat in composition and main statistics, but not more than might be expected as the total numbers are rather small. Subsample 2 gave the larger assemblage (including 6 taxa estimated as 'several', converted to 6). Diversity was estimated to be low (alpha = 31, SE = 6), although this must be used with caution since so many taxa have been estimated. The decomposer component was certainly large (%N RT = 70). Of this, 40% was made up by RD taxa. This component may have bred *in situ*, but some of it, especially the spider beetles *Ptinus fur* and *Tipnus unicolor*, and also the woodworm *Anobium punctatum* may have come from the building, perhaps in sweepings. Subsample 1 was essentially similar, differences between the two being within what might be expected in two small subsamples of the same material.

Only the first subsample (/T1) was examined for plant remains. There was a modest-sized list of identifiable taxa, but all were present in trace amounts. For the most part, the plants were weeds of one kind or another, with some evidence for grassland or weed vegetation on damper soils. Evidence for faeces was present in the form of traces of faecal concretions but the only probable food remains were fig seeds, *Rubus* sp(p). and elderberry. Fish and mammal bone and fish scale and oyster shell, all present in trace amounts, may also represent food waste, but there were other components such as coal, mortar, chalk, brick/tile and rather large amounts of sand, too.

Five subsamples were examined for parasite eggs; four treated by the standard method gave varying but small numbers of '*?Hymenolepis*', and two gave a trace of *Trichuris* and one of these also a trace of *Ascaris*. The fifth sample, believed to have been subjected to flotation, gave traces of *Trichuris* and *Ascaris* and modest numbers of '*?Hymenolepis*'.

Phase 8 [mid C15th-early C17th]

Context **1082** [pit fill]

Sample 7 (2 x 1 kg /T undiff.)

Light pinkish grey-brown, moist, slightly sandy silty clay with small quantities of limestone and bone.

Two subsamples were processed. The flot from one was completely barren, while the tiny flot from the other included some plant fragments and moderately well preserved fragments of three beetles.

Traces of only two identifiable plant taxa were recorded from the subsample examined (/T1), the residue comprising moderate amounts of fish and mammal bone with traces of eggshell, coal, mortar and other occupation debris.

Two subsamples were examined for parasite eggs; both were barren.

A subsample of 6 kg in weight was bulk-sieved to 1 mm after the main period of analysis; it is recorded as containing a high proportion of mammal bone, with much fish and bird bone, a few pieces of shellfish and occasional eggshell fragments, a few small pieces of charcoal, and some pottery, brick/tile, and mortar/plaster.

Context **1087** [?]

Sample 11 (1 kg /T)

Dark grey-brown, dry, crumbly, sandy silt with brick/tile, shell, mortar and stones.

The tiny flot was barren, and the residue yielded only two identifiable plant taxa. Charcoal, coal and sand were quite frequent in the residue, with a range of other components, including (unusually for this site) ostracod shells (there were single records for these from samples from both Areas X (south-west) and IV (north-east) at The Bedern).

Two subsamples were examined for parasite eggs; both were barren.

Context **1183** [pit fill]

Context **1183A**

Sample 20 (1 kg /1; 0.1 kg /M) and samples 22-31 (1 kg /1, examined by H. W. Topsey as part of a student project)

Stiff compressed organic matrix with sandy silty clay, sandy clay with clay flecks and some faecal concretions.

The layer was comprehensively investigated as part of an undergraduate student project, by the examination of several small adjoining samples. The subsamples from these gave plant and insect assemblages which, by simple inspection, were remarkably consistent. The actual taxa present varied somewhat, as did the numbers of individuals and species. However, the same taxa predominated in the majority of samples, and for the insects there was great ecological consistency, the assemblages being typical of urban medieval material. Although the main statistics for these were by no means identical for all the subsamples, the differences were certainly no more than might be expected in different parts of one accumulating layer, with chance factors important. There was little evidence of a breeding community in the pit, and much of the fauna may have come from elsewhere, as background fauna or in dumped rubbish.

The plant remains from this series of samples were dominated by foodplants, notably fig (abundant in all ten assemblages), strawberry (frequent in nine and abundant in the tenth) and *Rubus* sp(p). (likely to have been blackberry and raspberry, but not differentiated by HWT; abundant in six samples and frequent in the other four). Also well represented were fennel (frequent in all ten), dill (*Anethum graveolens*; frequent in six and present in the remaining four), and 'plum' (frequent in eight samples), and there were small amounts in many samples of cherry (*Prunus* Section *Cerasus*), linseed (*Linum usitatissimum*) and coriander (*Coriandrum sativum*). Rather rarer were apple and opium poppy (*Papaver somniferum*). There were modest components of weeds (mainly arable taxa likely to have arrived with grain or grain-based foods) and some wetland or peatland taxa, with *Sphagnum* leaves present in each sample. Cereal 'bran' was not noted, but it is likely to have been overlooked at this early stage in analysis (and by less experienced workers).

The plant remains recorded from the 0.1 kg subsample by ASC were very similar to those observed by HWT; predominant were the abundant seeds of fig, with frequent corncockle seed fragments and fennel 'seeds'. Other foodplants present were raspberry, blackberry, apple and grape, as well as some cereal grains preserved by both charring and mineralisation. The remaining taxa were probably all from weeds or wetland plants.

A single subsample was examined for parasite eggs; it gave large numbers of *Trichuris*.

A subsample of 3 buckets (approximately 50 kg) was bulk-sieved to 1 mm; a wide variety of components was recorded from the residue, including bone, shell, seeds and nutshell (abundant fig seeds were noted during processing), and occupation materials such as pottery, metal and brick/tile.

Sample 21

A subsample of 'coprolite' was examined for parasite eggs; it gave appreciable numbers of *Trichuris* eggs and single *Ascaris* and '*?Hymenolepis*'.

Sample 30

A subsample of this was investigated for parasite eggs; it gave abundant *Trichuris* and *Ascaris*.

Context **1183B**

A sample of 6 bucketfuls (about 60 kg) of this context was bulk-sieved to 1 mm; it gave a modest range of components not quantified in the records available. Amongst them were seeds (including grape), nutshell and fruitstones, as well as bone, shell, pottery, brick/tile and mortar/plaster.

Context **1183D**

A small sample of about 8 kg was bulk-sieved to 1 mm; it gave 'grape pips and cherry stones' amongst the various components, which also included bone, insects remains, brick/tile and mortar/plaster.

Context **1456B**

Sample 51 (2 x 1 kg /T 1, 2)

Dark grey, moist, crumbly, organic silt with brick/tile, limestone and stones.

Two subsamples were processed. In each case the tiny flot contained plant fragments and a very small assemblage of beetles. While these groups were of much the same kind as the majority of assemblages described here, no interpretation is possible.

The plant remains from the first subsample (/T1) were a somewhat unusual mixture, including figwort (*Scrophularia* sp.) and a wetland moss, *Scorpidium scorpioides*, perhaps both from aquatic-marginal habitats. The only other indicators of wetland were *Chara*, a plant of standing water in ponds and pools, and a rush (*Juncus inflexus/effusus/conglomeratus*). Quite what the significance of these taxa is is not clear. The other plants were mostly weeds of arable land or otherwise disturbed habitats. All were present in trace amounts. The rest of the residue comprised moderate amounts of mammal bone, together with a small range of other occupation debris, including fish bone, pottery and mussel shell.

Three subsamples were examined for parasite eggs; two gave a trace of *Trichuris* and the third a trace of both *Ascaris* and '*?Hymenolepis*'.

Phase 9 [mid C17th onwards]

Context **1030** [pit fill]

Sample 6

A dustbinful of sediment (approximately 100 kg) was bulk-sieved to 1 mm. The residue is recorded as containing mammal, bird and fish bone, insect remains, snails, shellfish, grape pips, nutshell (probably hazel), pottery, metal, glass, brick/tile, mortar/plaster, wood, charcoal and slag, but the amounts of each were not quantified in any way.

Context **1095** [pit fill]

Sample 91

Mid grey-brown, moist, crumbly, sandy clay with small amounts of limestone, brick/tile and mortar.

The tiny flot contained a few plant fragments and one abdominal segment from a staphylinine beetle. Only fig seeds in trace amounts were recorded as identifiable plant remains from this sample, the residue consisting largely of sand with moderate amounts of faecal concretions, mineralised fly puparia and mortar, indicating the presence of what was probably rather poorly preserved faecal material.

Three subsamples were examined for parasite eggs; two were barren and one gave a single *Trichuris*.

Unphased

Context **1392A** [?]

Sample 44 (1 kg /1; 5 x 0.1 kg /M)

Organic silt, contained clay lumps with stones, and brick/tile.

A 1 kg subsample was fully processed and a small assemblage of beetles and bugs was recovered (S = 43, N = 59). Diversity was high (alpha = 71, although SE = 20), and the 'outdoor' component large by comparison with other material form this site (%N OB = 19). Although the total numbers were small, it is notable that D and W taxa, encompassing waterside and aquatic forms, make up over 70% of the outdoor component. Decomposers made up 50% of the fauna, not a strikingly large proportion for material of this kind. *Anobium punctatum* and *Tipnus unicolor*, the two most abundant species and the only ones with more than two individuals, certainly did not breed in the pit, and probably much of the fauna was of background origin or introduced in sweepings. The D and W component may possibly have been introduced in imported water, but an origin in run-off or as invaders of an open water surface is likely.

All five of the 0.1 kg subsamples were examined for plant remains by ASC; all gave rather small assemblages with no taxon ever achieving more than small amounts. Apart from fig from one subsample, and charred cereal grain (not identified further) from another, there were no food remains and most of the taxa—where identified closely enough—were weeds of some kind.

Two subsamples were investigated for parasite eggs; for each, two separate counts were made. All were barren.

Context **1437** [?]

Sample 49 (1 kg /T)

Dark grey-brown, crumbly, organic silt with mid grey clay silt lumps and some brick/tile

The tiny flot included much plant and a small, reasonably well preserved insect assemblage. While no interpretation can be made, the record of the probably subterranean *Trichonyx sulcicollis* is worth noting.

There was a modest-sized assemblage of identifiable plant remains from the subsample examined, all but spike-rush (which was moderately frequent) being present in trace amounts. As elsewhere in samples from medieval deposits at The Bedern there were traces of peatland in the form of *Sphagnum* leaves and cotton-grass sclerenchyma spindles, and the species of *Sphagnum* was identified in this case as *S. imbricatum*, a plant responsible for much of the raised-bog peat formed in the post-glacial. The other components of the residue included moderate amounts of charcoal, fish bone, limestone and mammal bone, with a small range of other debris.

A single subsample was examined for parasite eggs; it gave a trace of *Trichuris*.

Discussion

There was a strong underlying similarity between the insect faunas from many of the deposits from this site, and they have a character which is emerging as typical of post-Conquest medieval groups. Foul decomposers tended to be relatively rare and, although decomposers in general dominated most assemblages, most of them were species able to exploit 'domestic' habitats. Some groups included a distinct 'house fauna' element (*sensu* Hall and Kenward, 1990). Thus a proportion of many of the assemblages probably came from the structures on the site, either as background fauna or in material dumped by human beings, perhaps in the form of floor sweepings. Unlike some of the material from Areas II and X from The Bedern (south-west), there was no good evidence for stable cleanings. Some of the pit fills from the present area had populations of generalised decomposers, and others gave assemblages of a kind seen repeatedly at the 16-22 Coppergate site in Anglo-Scandinavian deposits interpreted as fills of open, foul cess pits (Hall and Kenward, forthcoming; Kenward and Hall, forthcoming).

Some of the pit fills gave good assemblages of foodplants, notably fruits and flavourings and with them often large numbers of worm eggs and sometimes with characteristic faecal concretions. Cereal 'bran' was probably overlooked in many samples, but the presence of seed fragments of corncockle (*Agrostemma githago*) points to the presence of flour-based foods.

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Appendices to:

Investigation of medieval and post-medieval plant and invertebrate remains from Area II of the excavations in The Bedern (north-east), York (YAT/Yorkshire Museum sitecode 1976-81.14 II): Technical Report

N.B. Please note that in the interests of economy, the use of italics for Latin names has been eschewed in these appendices.

Appendix 1. Complete list of plant taxa recorded from excavations of Area II at The Bedern, north-east (1976-81.14 II), in taxonomic order (following Tutin *et al.* (1964-80) for vascular plants and Smith (1978) for mosses). The parts recorded are given and this list may be used to interpret abbreviations against plant names in Appendix 2. All remains were preserved by waterlogging, unless mineralisation or charring is indicated explicitly or, in cases where more than one kind of preservation was recorded, by means of a + (mineralisation) or a * (charring). For cereals charring is assumed unless otherwise shown. Where securely identified taxa were recorded, tentative identifications of the same taxa are not listed separately.

Vascular Plants

Salix sp(p).	bud(s)
Corylus avellana L.	nut(s) and/or nutshell fragment(s)
Ficus carica L.	seed(s)*
Urtica dioica L.	achene(s)
Urtica urens L.	achene(s)
Polygonum sp(p).	fruit(s)
Polygonum aviculare agg.	fruit(s)
Polygonum hydropiper L.	fruit(s)
Polygonum persicaria L.	fruit(s)
Polygonum lapathifolium L.	fruit(s)
Bilderdykia convolvulus (L.) Dumort.	fruit(s)
Rumex sp(p).	fruit(s)
Rumex acetosella agg.	fruit(s)*
Chenopodium Section Pseudoblitum	seed(s)
Chenopodium album L.	seed(s)
Atriplex sp(p).	seed(s)
Montia fontana ssp. chondrosperma (Fenzl) Walters	seed(s)
cf. Arenaria sp(p).	seed(s)
Stellaria sp(p).	seed(s)
Stellaria media (L.) Vill.	seed(s)
Cerastium sp(p).	seed(s)
Spergula arvensis L.	seed(s)
Lychnis flos-cuculi L.	seed(s)
Agrostemma githago L.	seed(s), seed fragment(s)
Silene sp(p).	seed(s)
Silene alba (Miller) Krause in Sturm	seed(s)
Silene gallica L.	seed(s)
Caltha palustris L.	seed(s)
Ranunculus Section Ranunculus	achene(s)
Ranunculus sardous Crantz	achene(s)
Ranunculus sceleratus L.	achene(s)
Ranunculus flammula L.	achene(s)
Ranunculus Subgenus Batrachium	achene(s)
Papaver sp(p).	seed(s)
Papaver somniferum L.	seed(s)
Papaver dubium L.	seed(s)
Papaver argemone L.	seed(s)
Chelidonium majus L.	seed(s)
Fumaria sp(p).	seed(s)
Descurainia sophia (L.) Webb ex Prantl	seed(s)
Capsella bursa-pastoris (L.) Medicus	seed(s)
Brassica sp(p).	seed(s), seed fragment(s)
Brassica rapa L.	seed(s)

Raphanus raphanistrum L.	pod segments and/or fragment(s), mineralised seed(s)
Reseda luteola L.	seed(s)
Rubus sp(p).	seed(s)
Rubus idaeus L.	seed(s)
Rubus fruticosus agg.	seed(s)
Potentilla sp(p).	achene(s)
Potentilla cf. erecta (L.) Räuschel	achene(s)
Fragaria vesca L.	achene(s)
Malus sylvestris Miller	seed(s), mineralised seed(s)/embryo(s)
Prunus sp(p).	fruitstone(s)
Prunus spinosa L.	fruitstone(s)
Prunus domestica *sensu lato*	fruitstone(s)
Prunus Section Cerasus	fruitstone(s)
Leguminosae	calyx/calyces, charred cotyledon(s)
cf. Pisum sp(p).	charred seed(s)
Medicago lupulina L.	charred pod(s) and/or pod fragment(s)
Linum usitatissimum L.	seed(s)
Vitis vinifera L.	seed(s), seed fragment(s)
Viola sp(p).	seed(s)
Bryonia cretica ssp. dioica (Jacq.) Tutin	seed(s)
Umbelliferae	mericarp(s)
Anthriscus sylvestris (L.) Hoffm.	mericarp(s)
Coriandrum sativum L.	mericarp(s)
Aethusa cynapium L.	mericarp(s)
Foeniculum vulgare Miller	mericarp(s), mineralised mericarp(s)
Anethum graveolens L.	mericarp(s)
Conium maculatum L.	mericarp(s)
Heracleum sphondylium L.	mericarp(s)
Calluna vulgaris (L.) Hull	seed(s)
Anagallis arvensis L.	seed(s)
Menyanthes trifoliata L.	seed(s)
Galium sp(p).	fruit(s)
Boraginaceae	nutlet(s)
Myosotis sp(p).	nutlet(s)
Labiatae	nutlet(s)
Galeopsis Subgenus Galeopsis	nutlet(s)
Lamium sp(p).	nutlet(s)
Lamium Section Lamiopsis	nutlet(s)
Prunella vulgaris L.	nutlet(s)
Mentha sp(p).	nutlet(s)
Atropa bella-donna L.	seed(s)
Hyoscyamus niger L.	seed(s)
Solanum nigrum L.	seed(s)
Scrophularia sp(p).	seed(s)
Pedicularis palustris L.	seed(s)
Rhinanthus sp(p).	seed(s)
Plantago major L.	seed(s)
Sambucus nigra L.	seed(s), seed fragment(s)
Valerianella dentata (L.) Pollich	fruit(s)
Anthemis cotula L.	achene(s)
Chrysanthemum segetum L.	achene(s)
Senecio sp(p).	achene(s)
Carduus/Cirsium sp(p).	achene(s)
Centaurea sp(p).	achene(s)*
Sonchus asper (L.) Hill	achene(s)

Lapsana communis L.	achene(s)
Alisma sp(p).	carpel(s) and/or seed(s)
Potamogeton sp(p).	pyrene(s)
Juncus sp(p).	seed(s)
Juncus inflexus/effusus/conglomeratus	seed(s)
Juncus bufonius L.	seed(s)
Juncus acutiflorus/articulatus	seed(s)
Luzula sp(p).	seed(s)
Gramineae	waterlogged caryopsis/es*+
Cerealia indet.	charred awn(s)/awn fragment(s), charred, mineralised and waterlogged caryopsis/es
Poa sp(p).	caryopsis/es
cf. Poa annua L.	caryopsis/es
Triticum sp(p).	charred caryopsis/es
Triticum aestivo-compactum	charred caryopsis/es
Triticum/Secale	waterlogged periderm fragments
Alopecurus sp(p).	waterlogged caryopsis/es
Lemna sp(p).	seed(s)
cf. Scirpus sylvaticus L.	nutlet(s)
Scirpus maritimus/lacustris	nutlet(s)
Scirpus setaceus L.	nutlet(s)
Eriophorum vaginatum L.	sclerenchyma spindles (from leaf sheaths)*
Eleocharis palustris *sensu lato*	nutlet(s)
Cladium mariscus (L.) Pohl	nutlet(s)
Carex sp(p).	nutlet(s)

Mosses

Sphagnum sp(p).	leaf/leaves
Sphagnum imbricatum Hornsch. ex Russ.	leaf/leaves
Scorpidium scorpioides (Hedw.) Limpr.	leaf/leaves and/or shoot fragment(s)

Algae

Characeae	oogonium/ia

Appendix 2. Lists of plant remains from excavations at The Bedern (North-East, 1976-81.14) Area II in context and sample number order. Taxonomic order follows Tutin *et al.* (1964-80) for vascular plants and Smith (1978) for mosses. Abbreviations for parts recorded can be found in Appendix 1. For some samples, other components of the residues left after processing are listed but recording of this was not systematic throughout.

The semi-quantitative scale adopted has three points: 1 — one or a few individuals or fragments; 2 — modest numbers of individuals or fragments; 3 — abundant individuals or fragments.

Context 1082	Sample 7/T
Papaver argemone	1
Characeae sp(p).	1
bird bone	1
brick/tile	1
coal	1
eggshell fgts	1
fish bone	2
magnesian limestone	1
mammal bone	2
mortar	1
oolitic limestone	1

Context 1087	Sample 11/T
Sambucus nigra	1
Juncus bufonius	1
bird bone	1
brick/tile	1
charcoal	2
coal	2
eggshell fgts	1
fish bone	1
mammal bone	1
mussel shell fgts	1
ostracods	1
oyster shell fgts	1
sand	2

Context 1095	Sample 91/T
Ficus carica	1
brick/tile	1
chalk	1
charcoal	1
coal	1
faecal concretions	2
fish bone	1
fly puparia (min)	2
mammal bone	1
mortar	2
sand	3

Context 1105	Sample 12/T
Juncus bufonius	1
brick/tile	1
chalk	1
charcoal	1
iron-rich concretions	1
mammal bone	3

Context 1183A	Sample 20/M*
Ficus carica	3
Urtica dioica	1
Polygonum lapathifolium	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Stellaria media	1
Agrostemma githago (sf)	2
Caltha palustris	1
Ranunculus Section Ranunculus	1
Papaver dubium	1
Brassica sp(p).	1
Raphanus raphanistrum (pod segs/fgts)	1
Rubus idaeus	1
Rubus fruticosus agg.	1
Malus sylvestris (min)	1
Vitis vinifera	1
Foeniculum vulgare	2
Anthemis cotula	1
Cerealia indet.	1
Cerealia indet. (min)	1

Context 1183A	Sample 22/1
Ficus carica	3
Urtica dioica	2
Urtica urens	1
Polygonum aviculare agg.	1
Polygonum persicaria	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago	2
Ranunculus Section Ranunculus	1
Papaver sp(p).	1
Papaver somniferum	1
Papaver argemone	1
Brassica sp(p).	1
Reseda luteola	1
Rubus sp(p).	2
Fragaria vesca	2
Prunus domestica sl	1
Linum usitatissimum	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Coriandrum sativum	1
Foeniculum vulgare	2
Anethum graveolens	2
Lamium Section Lamiopsis	1
Hyoscyamus niger	1
Plantago major	1
Chrysanthemum segetum	1
Centaurea sp(p).	1
Lapsana communis	1
Alisma sp(p).	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A	Sample 23/1
Ficus carica	3
Urtica dioica	2
Polygonum aviculare agg.	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	2
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago	2
Silene sp(p).	1
Silene alba	1
Silene gallica	1
Papaver sp(p).	1
Papaver somniferum	1
Papaver argemone	1

continued...

Brassica sp(p).	1
Raphanus raphanistrum (pod segs/fgts)	1
Rubus sp(p).	2
Fragaria vesca	2
Prunus domestica sl	1
Prunus Section Cerasus	1
Linum usitatissimum	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Viola sp(p).	1
Foeniculum vulgare	2
Anethum graveolens	1
Calluna vulgaris (s)	1
Prunella vulgaris	1
Centaurea sp(p).	1
Lapsana communis	1
Alisma sp(p).	1
Juncus sp(p).	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 24/1

Ficus carica	3
Urtica dioica	1
Polygonum persicaria	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Spergula arvensis	1
Agrostemma githago	2
Ranunculus Section Ranunculus	1
Papaver somniferum	1
Papaver argemone	1
Brassica sp(p).	1
Raphanus raphanistrum (pod segs/fgts)	1
Rubus sp(p).	3
Fragaria vesca	2
Prunus domestica sl	2
Prunus Section Cerasus	1
Linum usitatissimum	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Viola sp(p).	1
Coriandrum sativum	1
Foeniculum vulgare	2
Anethum graveolens	2
cf. Anagallis arvensis	1
Anthemis cotula	1
Chrysanthemum segetum	1
Carduus/Cirsium sp(p).	1
Centaurea sp(p).	1
Sonchus asper	1
Juncus sp(p).	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 25/1

Ficus carica	3
Urtica dioica	1
Polygonum aviculare agg.	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Cerastium sp(p).	1
Spergula arvensis	1
Lychnis flos-cuculi	1
Agrostemma githago	1
Silene alba	1
Caltha palustris	2
Ranunculus Section Ranunculus	1
Ranunculus flammula	1
Papaver sp(p).	1
Brassica sp(p).	1
Rubus sp(p).	2
Fragaria vesca	2
Prunus domestica sl	2
Prunus Section Cerasus	1
Vitis vinifera (sf)	1
Viola sp(p).	1
Coriandrum sativum	1
Foeniculum vulgare	2
Anethum graveolens	2
Conium maculatum	1
Mentha sp(p).	1
Atropa bella-donna	1
Hyoscyamus niger	1
Rhinanthus sp(p).	1
Centaurea sp(p).	1
Juncus bufonius	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 26/1

Ficus carica	3
Urtica dioica	1
Urtica urens	1
Polygonum aviculare agg.	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago	2
Ranunculus Section Ranunculus	1
Ranunculus sardous	1
Papaver sp(p).	1
Papaver argemone	1
Brassica sp(p).	1
Reseda luteola	1
Rubus sp(p).	2
Fragaria vesca	2
Malus sylvestris	1
Prunus domestica sl	2
Prunus Section Cerasus	1
Linum usitatissimum	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Bryonia cretica ssp. dioica	1
Coriandrum sativum	1
Foeniculum vulgare	2
Anethum graveolens	1
Myosotis sp(p).	1
Anthemis cotula	1
Centaurea sp(p).	1
Sonchus asper	1
Lapsana communis	1
Alisma sp(p).	1
Juncus bufonius	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 27/1

Ficus carica	3
Urtica dioica	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago	2
Ranunculus Section Ranunculus	1
Ranunculus sardous	1
Ranunculus flammula	1
Papaver sp(p).	1
Brassica sp(p).	1
Reseda luteola	1
Rubus sp(p).	3
Fragaria vesca	2
cf. Malus sylvestris	1
Prunus domestica sl	2

continued...

Prunus Section Cerasus	1
Vitis vinifera	1
Coriandrum sativum	1
Aethusa cynapium	1
Foeniculum vulgare	2
Anethum graveolens	2
Menyanthes trifoliata	1
Mentha sp(p).	1
Anthemis cotula	1
Chrysanthemum segetum	1
Centaurea sp(p).	1
Lapsana communis	1
Alisma sp(p).	1
Juncus bufonius	1
Gramineae	1
Alopecurus sp(p).	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 28/1

Ficus carica	3
Urtica dioica	1
Polygonum aviculare agg.	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	2
Montia fontana ssp. chondrosperma	1
Stellaria media	1
Spergula arvensis	1
Agrostemma githago	2
Ranunculus Section Ranunculus	1
Papaver sp(p).	1
Papaver somniferum	1
Papaver argemone	2
Capsella bursa-pastoris	1
Brassica sp(p).	1
Raphanus raphanistrum (pod segs/fgts)	1
Rubus sp(p).	3
Fragaria vesca	2
Malus sylvestris	1
Prunus domestica sl	2
Prunus Section Cerasus	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Viola sp(p).	1
Coriandrum sativum	1
Foeniculum vulgare	2
Anethum graveolens	1
Boraginaceae	1
Labiatae	1
Lamium sp(p).	1
Hyoscyamus niger	1
Valerianella dentata	1
Chrysanthemum segetum	1
Carduus/Cirsium sp(p).	1
Centaurea sp(p).	1
Lapsana communis	1
Alisma sp(p).	1
Juncus bufonius	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 29/1

Ficus carica	3
Urtica dioica	2
Polygonum aviculare agg.	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago	1
Ranunculus Section Ranunculus	1
Papaver argemone	1
Descurainia sophia	1
Rubus sp(p).	3
Fragaria vesca	2
Malus sylvestris	1
Prunus domestica sl	2
Vitis vinifera	1
Vitis vinifera (sf)	1
cf. Aethusa cynapium	1
Foeniculum vulgare	2
Anethum graveolens	1
Conium maculatum	1
Rhinanthus sp(p).	1
Sambucus nigra	1
Centaurea sp(p).	1
Lapsana communis	1
Juncus sp(p).	1
Juncus bufonius	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 30/1

Ficus carica	3
Urtica dioica	1
Polygonum aviculare agg.	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago	1
Silene alba	1
Ranunculus Section Ranunculus	1
Papaver argemone	1
Brassica sp(p).	1
Reseda luteola	1
Rubus sp(p).	3
Fragaria vesca	3
Prunus domestica sl	2
Prunus Section Cerasus	1
Linum usitatissimum	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Viola sp(p).	1
Foeniculum vulgare	2
Anethum graveolens	2
Menyanthes trifoliata	1
Myosotis sp(p).	1
Lamium Section Lamiopsis	1
Sambucus nigra	1
Centaurea sp(p).	1
Lapsana communis	1
Juncus bufonius	1
Gramineae	1
Poa sp(p).	1
Scirpus setaceus	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1183A Sample 31/1

Ficus carica	3
Urtica dioica	1
Urtica urens	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Atriplex sp(p).	2
Stellaria media	1
Agrostemma githago	2
Silene alba	1
Ranunculus Section Ranunculus	1
Ranunculus sardous	1
Ranunculus flammula	1
Ranunculus Subgenus Batrachium	1
Papaver somniferum	1
Papaver argemone	1
Brassica sp(p).	1
Raphanus raphanistrum (pod segs/fgts)	1
Reseda luteola	1
Rubus sp(p).	3
Fragaria vesca	2
Malus sylvestris	1
Prunus domestica sl	2

continued...

Prunus Section Cerasus	1
Linum usitatissimum	1
Vitis vinifera	1
Vitis vinifera (sf)	1
Coriandrum sativum	1
Foeniculum vulgare	2
Anethum graveolens	2
cf. Anagallis arvensis	1
Galium sp(p).	1
Labiatae	1
Rhinanthus sp(p).	1
Anthemis cotula	1
Chrysanthemum segetum	1
Centaurea sp(p).	1
Sonchus asper	1
Lapsana communis	1
Alisma sp(p).	1
Juncus bufonius	1
Luzula sp(p).	1
Gramineae	1
Poa sp(p).	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1

Context 1336 Sample 35/M*

Ficus carica	1
Potentilla sp(p).	1
Sambucus nigra	1

Context 1336 Sample 36/M*

Ficus carica	1

Context 1359A Sample 38/M*

Urtica dioica	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium album	1
Atriplex sp(p).	1
Lychnis flos-cuculi	1
Ranunculus Section Ranunculus	1
Brassica sp(p).	1
Lamium Section Lamiopsis	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1359B Sample 39/M*

Corylus avellana	1
Ficus carica	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	3
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago (sf)	1
Silene alba	1
Ranunculus Section Ranunculus	2
Brassica sp(p).	2
Leguminosae (cal)	1
Myosotis sp(p).	1
Gramineae	1
Eleocharis palustris sl	3
Carex sp(p).	3
Sphagnum sp(p). (lvs)	1

Context 1359C Sample 40/M1*

Corylus avellana	1
Ficus carica	3
Urtica dioica	1
Polygonum aviculare agg.	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium album	1
Stellaria media	1
Lychnis flos-cuculi	1
Agrostemma githago (sf)	2
Brassica sp(p). (sf)	1
Raphanus raphanistrum (pod segs/fgts)	1
Rubus cf. idaeus	1
Rubus cf. fruticosus agg.	1
Prunus spinosa	1
Vitis vinifera	1
Umbelliferae	1
Myosotis sp(p).	1
Mentha sp(p).	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1359C Sample 40/M2*

Corylus avellana	1
Ficus carica	3
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium album	1
Stellaria media	1
Agrostemma githago (sf)	2
Ranunculus Subgenus Batrachium	1
Rubus cf. fruticosus agg.	1
Potentilla sp(p).	1
Prunus spinosa	1
Vitis vinifera (sf)	1
Umbelliferae	1
Menyanthes trifoliata	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	2

Context 1359D Sample 41/M*

Ficus carica	1
Ficus carica (ch)	1
Urtica dioica	2
Polygonum aviculare agg.	1
Rumex acetosella agg.	1
Stellaria sp(p).	1
Stellaria media	1
Cerastium sp(p).	1
Agrostemma githago	1
Ranunculus Section Ranunculus	1
Ranunculus sceleratus	1
Brassica sp(p).	1
Raphanus raphanistrum (pod segs/fgts)	1
Potentilla sp(p).	1
cf. Pisum sp(p).	1
Medicago lupulina (ch pods/fgts)	1
Prunella vulgaris	1
Gramineae (ch)	2
Gramineae (min)	1
Cerealia indet.	1
Triticum sp(p).	1
cf. Scirpus sylvaticus	1
Carex sp(p).	2

Context 1359E Sample 42/M*

Polygonum lapathifolium	1
Rumex sp(p).	1
Rumex acetosella agg.	2
Stellaria media	1
Spergula arvensis	1
Agrostemma githago (sf)	1
Ranunculus sceleratus	1
Brassica sp(p). (sf)	1
Potentilla sp(p).	1
Galeopsis Subgenus Galeopsis	1
Lamium Section Lamiopsis	1
Prunella vulgaris	1
Plantago major	1
Anthemis cotula	1
Chrysanthemum segetum	1
Gramineae	1
cf. Scirpus sylvaticus	1
Eleocharis palustris sl	2
Carex sp(p).	2

continued...

Context 1359F	Sample 43/M*
Urtica dioica	1
Polygonum aviculare agg.	1
Valerianella dentata	1
Carex sp(p).	1

Context 1384	Sample 47/T
Ficus carica	3
Polygonum lapathifolium	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Atriplex sp(p).	1
Stellaria media	1
Spergula arvensis	1
Agrostemma githago (sf)	3
Brassica sp(p).	1
Brassica rapa	1
Rubus fruticosus agg.	1
Fragaria cf. vesca	1
Prunus spinosa	1
Vitis vinifera (sf)	1
Viola sp(p).	1
Foeniculum vulgare (min)	1
Centaurea sp(p).	1
Juncus bufonius	1
Triticum/Secale ('bran' fgts)	2
Eriophorum vaginatum (scl sp)	1
Sphagnum sp(p). (lvs)	1
brick/tile	1
chalk	1
charcoal	1
faecal concretions	3
fish bone	1
fly puparia	1
mammal bone	1
mortar	1
stones	1

Context 1392	Sample 44/M1*
Urtica dioica	1
Polygonum aviculare agg.	1
Polygonum persicaria	1
Polygonum lapathifolium	1
Rumex sp(p).	1
Chenopodium album	1
Agrostemma githago (sf)	1
Ranunculus Section Ranunculus	1
Ranunculus flammula	1
Brassica sp(p).	1
Anthemis cotula	1
Carex sp(p).	1

Context 1392	Sample 44/M2*
Urtica urens	1
Polygonum persicaria	1
Chenopodium album	1
Agrostemma githago (sf)	1
Ranunculus Section Ranunculus	1
Chrysanthemum segetum	1
Cerealia indet.	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1392	Sample 44/M3*
Ficus carica	1
Urtica urens	1
Polygonum lapathifolium	1
Stellaria media	1
Agrostemma githago (sf)	1
Ranunculus Section Ranunculus	1
Ranunculus flammula	1
Brassica sp(p). (sf)	1
Potentilla sp(p).	1
Solanum nigrum	1
Carex sp(p).	1

Context 1392	Sample 44/M4*
Polygonum sp(p).	1
Polygonum hydropiper	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Stellaria sp(p).	1
Stellaria media	1
Spergula arvensis	1
Agrostemma githago (sf)	1
Potentilla sp(p).	1
cf. Gramineae	1
Carex sp(p).	1

Context 1392	Sample 44/M5*
Polygonum lapathifolium	1
Rumex acetosella agg.	1
Stellaria media	1
Lychnis flos-cuculi	1
Agrostemma githago (sf)	1
Ranunculus Section Ranunculus	1
Brassica sp(p). (sf)	1
Potentilla sp(p).	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1437	Sample 49/T
Ficus carica	1
Bilderdykia convolvulus	1
Rumex acetosella agg.	1
Ranunculus Section Ranunculus	1
Raphanus raphanistrum (pod segs/fgts)	1
cf. Raphanus raphanistrum (min s)	1
Potentilla sp(p).	1
Potentilla cf. erecta	1
Anagallis arvensis	1
Juncus sp(p).	1
Juncus bufonius	1
Juncus acutiflorus/articulatus	1
Cerealia indet.	1
cf. Poa annua	1
Eriophorum vaginatum (scl sp)	1
Eleocharis palustris sl	2
Carex sp(p).	1
Sphagnum imbricatum (lvs)	1
Sus (carpel)	1
brick/tile	1
charcoal	2
coal	1
earthworm egg caps	1
fish bone	2
fly puparia	1
magnesian limestone	2
mammal bone	2
wood fgts	1

Context 1447	Sample 54/T
brick/tile	1
charcoal	1
fish bone	1
green-glazed pottery	1
mammal bone	1
mortar	1
oolitic limestone	1
pottery	1

Context 1450B	Sample 50/T1
Ficus carica	1
Chelidonium majus	1
Fumaria sp(p).	1
Hyoscyamus niger	1
Sambucus nigra	1
Alisma sp(p).	1
Juncus bufonius	1
Cerealia indet. (awns)	1
Eriophorum vaginatum (ch scl sp)	1

continued...

brick/tile	2
charcoal	1
coal	1
earthworm egg caps	1
eggshell fgts	1
green-glazed pottery	1
mammal bone	1
mortar	2
mussel shell fgts	1
oyster shell fgts	1

Context 1450B Sample 50/T2F

Rumex acetosella agg. (ch)	1
Potamogeton sp(p).	1
Lemna sp(p).	1
Carex sp(p).	1

Context 1456B Sample 51/T

Urtica dioica	1
Rumex sp(p).	1
cf. Arenaria sp(p).	1
Papaver argemone	1
Raphanus raphanistrum (pod segs/fgts)	1
Raphanus raphanistrum (min s)	1
Conium maculatum	1
Atropa bella-donna	1
Scrophularia sp(p).	1
Sambucus nigra	1
Centaurea sp(p). (ch)	1
Juncus inflexus/effusus/conglomeratus	1
Triticum aestivo-compactum	1
Carex sp(p).	1
Scorpidium scorpioides	1
Characeae sp(p).	1
brick/tile	1
burnt mammal bone	1
charcoal	1
coal	1
fish bone	1
magnesian limestone	1
mammal bone	2
mussel shell fgts	1
oolitic limestone	1
oyster shell fgts	1
pottery	1
small stones	1

Context 1470 Sample 53/T

Ficus carica	1
Urtica dioica	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Spergula arvensis	1
Ranunculus Section Ranunculus	1
Ranunculus sardous	1
Atropa bella-donna	1
Hyoscyamus niger	1
Sambucus nigra	1
Juncus inflexus/effusus/conglomeratus	1
Gramineae	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1
?bird bone	1
bark fgts	1
brick/tile	1
burnt mammal bone	1
charcoal	1
coal	1
earthworm egg caps	1
fish bone	1
magnesian limestone	1
mammal bone	1
wood fgts	1

Context 1479 Sample 55/T

Salix sp(p). (b)	1
Ficus carica	1
Urtica dioica	1
Polygonum aviculare agg.	1
Polygonum hydropiper	1
Polygonum persicaria	1
Polygonum lapathifolium	1
Bilderdykia convolvulus	1
Rumex acetosella agg.	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Ranunculus Section Ranunculus	1
Ranunculus sardous	1
Brassica rapa	1
Raphanus raphanistrum (pod segs/fgts)	1
Rubus sp(p).	1
Potentilla cf. erecta	1
Leguminosae (ch cot)	1
Anthriscus sylvestris	1
Conium maculatum	1
Sambucus nigra	1
Anthemis cotula	1
Juncus bufonius	1
Scirpus maritimus/lacustris	1
Eleocharis palustris sl	1
Carex sp(p).	1
Sphagnum sp(p). (lvs)	1
brick/tile	1
chalk	1
charcoal	1
coal	1
earthworm egg caps	1
faecal concretions	1
fish bone	1
fish scale	1
fly puparia	1
magnesian limestone	1
mammal bone	1
mortar	1
oyster shell fgts	1
sand	2
wood fgts	1

Context 1505A Sample 56/4*

Ficus carica	1
Polygonum aviculare agg.	1
Polygonum hydropiper	1
Polygonum persicaria	1
Rumex sp(p).	1
Chenopodium album	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago (sf)	2
Ranunculus Section Ranunculus	1
Papaver sp(p).	1
Brassica sp(p).	1
Brassica sp(p). (sf)	1
Reseda luteola	1
Rubus fruticosus agg.	1
Fragaria cf. vesca	1
Prunus domestica sl	1
Galeopsis Subgenus Galeopsis	1
Sambucus nigra	1
Chrysanthemum segetum	1
Centaurea sp(p).	2
Sonchus asper	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1505A Sample 56/M*

Corylus avellana	1
Ficus carica	1
Polygonum aviculare agg.	1
Polygonum hydropiper	1
Polygonum persicaria	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium album	1
Atriplex sp(p).	1

continued...

Agrostemma githago (sf)	2
Ranunculus Section Ranunculus	1
Papaver argemone	1
Brassica sp(p).	1
Reseda luteola	1
Galeopsis Subgenus Galeopsis	1
Prunella vulgaris	1
Chrysanthemum segetum	1
Centaurea sp(p).	1

Context 1505B Sample 57/4+

Corylus avellana	1
Ficus carica	1
Urtica dioica	1
Urtica urens	1
Polygonum aviculare agg.	1
Polygonum hydropiper	1
Polygonum persicaria	1
Polygonum lapathifolium	1
Bilderdykia convolvulus	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Chenopodium Section Pseudoblitum	1
Chenopodium album	1
Stellaria media	1
Spergula arvensis	1
Agrostemma githago (sf)	2
Ranunculus Section Ranunculus	1
Ranunculus sceleratus	1
Papaver sp(p).	1
Brassica sp(p).	1
Reseda luteola	1
Rubus fruticosus agg.	1
Potentilla sp(p).	1
Fragaria cf. vesca	1
Malus sylvestris	1
Aethusa cynapium	1
Heracleum sphondylium	1
Galeopsis Subgenus Galeopsis	1
Prunella vulgaris	1
Hyoscyamus niger	1
Pedicularis palustris	1
Sambucus nigra	1
Chrysanthemum segetum	1
Centaurea sp(p).	1
Lapsana communis	1
Gramineae	1
Cerealia indet.	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1505B Sample 57/M*

Urtica urens	1
Rumex sp(p).	1
Atriplex sp(p).	1
Potentilla sp(p).	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1505C Sample 58/M*

Polygonum persicaria	1
Rumex acetosella agg.	1
Atriplex sp(p).	1
Stellaria media	1
Agrostemma githago (sf)	2
Ranunculus Section Ranunculus	1
Reseda luteola	1
Rubus fruticosus agg.	1
Malus sylvestris	1
Prunus sp(p).	1
Umbelliferae	1
Solanum nigrum	1
Sambucus nigra	1
Anthemis cotula	1
Centaurea sp(p).	1
Cerealia indet. (w/l)	1
Eleocharis palustris sl	1
Carex sp(p).	1

Context 1664 Sample 63/T

Papaver argemone	1
Sambucus nigra (sf)	1
?mortar	1
brick/tile	1
burnt mammal bone	1
charcoal	1
eggshell fgts	1
fish bone	1
mammal bone	1

Context 1665 Sample 68/TF

Ficus carica	1
Reseda luteola	1

Context 1774 Sample 79/M*

Corylus avellana	1
Polygonum persicaria	1
Polygonum lapathifolium	1
Rumex sp(p).	1
Rumex acetosella agg.	1
Atriplex sp(p).	1
Spergula arvensis	1
Ranunculus Section Ranunculus	2
Ranunculus sardous	1
Ranunculus flammula	1
Brassica sp(p). (sf)	1
Potentilla sp(p).	1
Anthriscus sylvestris	1
Heracleum sphondylium	1
Myosotis sp(p).	1
Prunella vulgaris	1
Rhinanthus sp(p).	1
Anthemis cotula	1
Senecio sp(p).	1
Eleocharis palustris sl	1
Cladium mariscus	1
Carex sp(p).	1

Appendix 3. List of Coleoptera and Hemiptera from The Bedern, north-east, Area II (1976-81.14 II). Nomenclature and order follow Kloet and Hincks 1964-77. Invertebrates other than Coleoptera, Hemiptera and parasite eggs were not recorded systematically from this site so no list is presented.

Hemiptera

Pachybrachius ?fracticollis (Schilling)
Lygaeidae sp.
Cymus sp.
Temnostethus sp.
Lyctocoris campestris (Fabricius)
Cimex lectularius Linnaeus
Heteroptera sp.
Auchenorhyncha sp.

Coleoptera

Notiophilus sp.
Clivina ?fossor (Linnaeus)
Patrobus atrorufus (Strom)
Trechus quadristriatus (Schrank)
Trechus obtusus or quadristriatus
Trechus micros (Herbst)
Bembidion ?lampros (Herbst)
Bembidion sp.
Pterostichus ?melanarius (Illiger)
?Pterostichus sp.
Laemostenus terricola (Herbst)
Agonum albipes (Fabricius)
Agonum sp.
?Dromius sp.
Carabidae spp. indet.
Hydroporinae sp.
Helophorus spp.
Cercyon analis (Paykull)
Cercyon atricapillus (Marsham)
Cercyon haemorrhoidalis (Fabricius)
Cercyon terminatus (Marsham)
Cercyon spp. indet.
Megasternum obscurum (Marsham)
Cryptopleurum minutum (Fabricius)
Hydrophilinae sp.
Acritus nigricornis (Hoffmann)
Hister ?merdarius Hoffman
Paralister ?carbonarius (Hoffman)
Histerinae sp. indet.
Ochthebius sp.
Ptenidium sp.
Acrotrichis sp.
Ptiliidae sp.
Catops sp.
Scydmaenidae sp.
Megarthrus sp.
Anthobium sp.
Lesteva ?longoelytrata (Goeze)
Lesteva sp. indet.
Phyllodrepa floralis (Paykull)
?Dropephylla sp.
Omalium rivulare (Paykull)
Omalium spp.
Xylodromus concinnus (Marsham)
Xylodromus ?depressus (Gravenhorst)
Omaliinae sp.
Coprophilus striatulus (Fabricius)
Carpelimus bilineatus Stephens
Carpelimus elongatulus (Erichson)
Carpelimus fuliginosus (Gravenhorst)
Carpelimus pusillus group
Carpelimus ?rivularis (Motschulsky)
Carpelimus spp. indet.
Platystethus arenarius (Fourcroy)
Anotylus complanatus (Erichson)
Anotylus nitidulus (Gravenhorst)
Anotylus rugosus (Fabricius)
Anotylus sculpturatus group
Anotylus tetracarinatus (Block)
Oxytelus sculptus Gravenhorst
Oxytelinae sp. indet.
Stenus sp.
Lathrobium sp.
Rugilus ?rufipes Germar
Leptacinus sp.
Gyrohypnus angustatus Stephens
Gyrohypnus fracticornis (Muller)
Gyrohypnus sp. indet.
Xantholinus sp.
Neobisnius villosulus (Stephens)
Neobisnius sp. indet.
Erichsonius sp.
Philonthus cephalotes (Gravenhorst)
Philonthus ?politus (Linnaeus)
Philonthus spp.
Creophilus maxillosus (Linnaeus)
Quedius sp.
Staphylininae spp. indet.
Tachyporus sp.
Tachinus ?signatus Gravenhorst
Tachinus subterraneus (Linnaeus)
Tachinus sp. indet.
Cilea silphoides (Linnaeus)
Cordalia obscura (Gravenhorst)
Falagria caesa or sulcatula
Aleocharinae spp.
Trichonyx sulcicollis (Reichenbach)

Euplectini sp.
Pselaphidae sp.
Trox scaber (Linnaeus)
Aphodius ?rufipes (Linnaeus)
Aphodius spp.
Aphodius or Colobopterus sp. indet.
Cyphon sp.
Byrrhidae sp.
Elateridae spp.
Dermestes sp.
Attagenus pellio (Linnaeus)
Anthrenus sp.
Dermestidae sp. indet.
Grynobius planus (Fabricius)
Anobium punctatum (Degeer)
Niptus hololeucus (Falderman)
Tipnus unicolor (Piller & Mitterpacher)
Ptinus fur (Linnaeus)
Ptinus sp. indet.
Ptinidae sp. indet.
Lyctus linearis (Goeze)
Meligethes spp.
Epuraea sp.
Omosita discoidea (Fabricius)
Omosita sp. indet.
Nitidulidae sp.
Rhizophagus parallelocollis Gyllenhal
Rhizophagus sp. indet.
Monotoma sp.
Oryzaephilus surinamensis (Linnaeus)
Cryptophagus scutellatus Newman
Cryptophagus spp.
Atomaria nigripennis (Kugelann)
Atomaria spp.
Orthoperus sp.
Coccinellidae sp.
Mycetaea hirta (Marsham)
Lathridius minutus group
Enicmus sp.
Dienerella ?filum (Aube)
Dienerella sp. indet.
Corticaria ?punctulata Marsham
Corticaria spp.
Corticarina sp.
Cortinicara gibbosa (Herbst)
Corticarina or Cortinicara sp. indet.
Corticariinae spp. indet.
Typhaea stercorea (Linnaeus)
Aglenus brunneus (Gyllenhal)
Blaps sp.
Tenebrio molitor Linnaeus
Tenebrio obscurus Fabricius
Anthicus floralis or formicarius
Anthicus sp. indet.
Bruchinae sp.
Donaciinae sp.
Chrysomelinae sp.
Phyllotreta nemorum group
?Chaetocnema concinna (Marsham)
Halticinae sp.
Apion spp.
Sitona sp.
Hypera nigrirostris (Fabricius)
Hypera sp.
Leiosoma sp.
Sitophilus granarius (Linnaeus)
Orthochaetes setiger (Beck)
Cidnorhinus quadrimaculatus (Linnaeus)
Ceutorhynchus sp.
Ceuthorhynchinae sp.
?Gymnetron sp.
Curculionidae spp. indet.
Scolytus sp.
Leperisinus varius (Fabricius)
Phloeophthorus rhododactylus (Marsham)
Coleoptera sp.

Appendix 4. Data concerning remains of Coleoptera and Hemiptera from excavations at The Bedern, north-east, Area II (1976-81.14 II). For each sample from which more than a 'minimum number' of nine individuals were recorded, 'main statistics' for the assemblage are followed by a complete species list in rank order. For assemblages of less than ten individuals only N and S and the species list are given.

Context: 1082 Sample: 7/T1

NO RECORDS OF BEETLES OR BUGS

Context: 1082 Sample: 7/T2 - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	3
Number of taxa	S =	3

Context: 1082 Sample: 7/T2 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Aleocharinae sp.	1	33	1	u
?Tipnus unicolor (Piller & Mitterpacher)	1	33	1	rd
Ptinus sp.	1	33	1	rd

Context: 1087 Sample: 11/T

NO RECORDS OF BEETLES OR BUGS

Context: 1105 Sample: 12/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

Number of individuals estimated as	N =	1
Number of taxa	S =	1

Context: 1105 Sample: 12/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Corticarina sp.	1	100	1	rt

Context: 1183A Sample: 20/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	54
Number of taxa	S =	38
Index of diversity (alpha)	alpha =	57
Standard error of alpha	SE alpha =	16
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	5
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	4
Number of 'certain' and probable outdoor taxa	SOB =	5
Percentage of 'certain' and probable outdoor taxa	%SOB =	13
Number of 'certain' and probable outdoor individuals	NOB =	5
Percentage 'certain' and probable outdoor individuals	%NOB =	9
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0

continued...

Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	5
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	4
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	4
Number of decomposer taxa	SRT =	23
Percentage of decomposer taxa	%SRT =	61
Number of decomposer individuals	NRT =	34
Percentage of decomposer individuals	%NRT =	63
Number of 'dry' decomposer taxa	SRD =	8
Percentage of 'dry'decomposer taxa	%SRD =	21
Number of 'dry' decomposer individuals	NRD =	16
Percentage of 'dry'decomposer individuals	%NRD =	30
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	8
Number of 'foul' decomposer individuals	NRF =	3
Percentage of 'foul' decomposer individuals	%NRF =	6
Index of diversity of decomposer component	alpha RT =	32
Standard error	SE alpha RT =	11
Number of individuals of grain pests	NG =	2
Percentage of individuals of grain pests	%NG =	4
Number of individuals of grain pests	NG =	2
Number of uncoded taxa	SU =	9
Percentage of uncoded individuals	PNU =	24

Context: 1183A Sample: 20/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Mycetaea hirta (Marsham)	6	11	1	rd
Aleocharinae sp. A	4	7	2	u
Cercyon ?analis (Paykull)	2	4	3	rt
Omalium ?rivulare (Paykull)	2	4	3	rt
Xylodromus concinnus (Marsham)	2	4	3	rt
Staphylininae sp.	2	4	3	u
Anobium punctatum (Degeer)	2	4	3	l
Tipnus unicolor (Piller & Mitterpacher)	2	4	3	rd
Atomaria sp.	2	4	3	rd
Lathridius minutus group	2	4	3	rd
Carabidae sp.	1	2	11	ob
Cercyon atricapillus (Marsham)	1	2	11	rf
Acritus nigricornis (Hoffmann)	1	2	11	rt
Histerinae sp.	1	2	11	u
Ptenidium sp.	1	2	11	rt
Megarthrus sp.	1	2	11	rt
Lesteva sp.	1	2	11	oa d
Omalium sp.	1	2	11	rt
Anotylus complanatus (Erichson)	1	2	11	rt
Anotylus nitidulus (Gravenhorst)	1	2	11	rt d
Anotylus rugosus (Fabricius)	1	2	11	rt
?Gyrohypnus sp.	1	2	11	rt
Philonthus sp. A	1	2	11	u

continued...

Philonthus sp. B	1	2	11	u
Aleocharinae sp. B	1	2	11	u
Aleocharinae sp. C	1	2	11	u
Aleocharinae sp. D	1	2	11	u
Aleocharinae sp. E	1	2	11	u
Aphodius sp. A	1	2	11	ob rf
Aphodius sp. B	1	2	11	ob rf
Oryzaephilus surinamensis (Linnaeus)	1	2	11	g
Cryptophagus scutellatus Newman	1	2	11	rd
Cryptophagus sp.	1	2	11	rd
?Dienerella sp.	1	2	11	rd
Corticaria sp.	1	2	11	rt
Typhaea stercorea (Linnaeus)	1	2	11	rd
Halticinae sp.	1	2	11	oa p
Sitophilus granarius (Linnaeus)	1	2	11	g

Context: 1183A Sample: 22/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	44
Number of taxa	S =	31
Index of diversity (alpha)	alpha =	47
Standard error of alpha	SE alpha =	15
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	3
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	2
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	6
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	5
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	0
Percentage of damp ground/waterside taxa	%SD =	0
Number of damp ground/waterside individuals	ND =	0
Percentage of damp ground/waterside individuals	%ND =	0
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	0
Number of wood-associated individuals	NL =	0
Percentage of wood-associated individuals	%NL =	0
Number of decomposer taxa	SRT =	15
Percentage of decomposer taxa	%SRT =	48
Number of decomposer individuals	NRT =	22
Percentage of decomposer individuals	%NRT =	50
Number of 'dry' decomposer taxa	SRD =	4
Percentage of 'dry'decomposer taxa	%SRD =	13
Number of 'dry' decomposer individuals	NRD =	7
Percentage of 'dry'decomposer individuals	%NRD =	16
Number of 'foul' decomposer taxa	SRF =	0
Percentage of 'foul' decomposer taxa	%SRF =	0
Number of 'foul' decomposer individuals	NRF =	0
Percentage of 'foul' decomposer individuals	%NRF =	0
Index of diversity of decomposer component	alpha RT =	21

continued...

Standard error	SE alpha RT =	9
Number of individuals of grain pests	NG =	2
Percentage of individuals of grain pests	%NG =	5
Number of individuals of grain pests	NG =	2
Number of uncoded taxa	SU =	12
Percentage of uncoded individuals	PNU =	41

Context: 1183A Sample: 22/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Aleocharinae sp. C	4	9	1	u
Ptenidium sp.	3	7	2	rt
Omalium sp.	3	7	2	rt
Mycetaea hirta (Marsham)	3	7	2	rd
Catopinae sp.	2	5	5	u
Philonthus sp. A	2	5	5	u
Philonthus sp. B	2	5	5	u
Tipnus unicolor (Piller & Mitterpacher)	2	5	5	rd
Carabidae sp.	1	2	9	ob
Cercyon sp.	1	2	9	u
Scydmaenidae sp.	1	2	9	u
Phyllodrepa sp.	1	2	9	rt
Omalium ?rivulare (Paykull)	1	2	9	rt
Xylodromus concinnus (Marsham)	1	2	9	rt
Omaliinae sp.	1	2	9	u
?Coprophilus striatulus (Fabricius)	1	2	9	rt
Carpelimus bilineatus Stephens	1	2	9	rt
Anotylus complanatus (Erichson)	1	2	9	rt
Anotylus sculpturatus group	1	2	9	rt
Gyrohypnus sp.	1	2	9	rt
Aleochara sp. A	1	2	9	u
Aleochara sp. B	1	2	9	u
Aleocharinae sp. A	1	2	9	u
Aleocharinae sp. B	1	2	9	u
Meligethes sp.	1	2	9	oa p
Rhizophagus sp.	1	2	9	u
Oryzaephilus sp.	1	2	9	g
Cryptophagus sp. A	1	2	9	rd
Cryptophagus sp. B	1	2	9	rd
?Enicmus sp.	1	2	9	rt
Sitophilus granarius (Linnaeus)	1	2	9	g

Context: 1183A Sample: 23/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	43
Number of taxa	S =	33
Index of diversity (alpha)	alpha =	64
Standard error of alpha	SE alpha =	22
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	6
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	5
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	6
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	5
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0

continued...

Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	0
Number of wood-associated individuals	NL =	0
Percentage of wood-associated individuals	%NL =	0
Number of decomposer taxa	SRT =	16
Percentage of decomposer taxa	%SRT =	48
Number of decomposer individuals	NRT =	21
Percentage of decomposer individuals	%NRT =	49
Number of 'dry' decomposer taxa	SRD =	6
Percentage of 'dry'decomposer taxa	%SRD =	18
Number of 'dry' decomposer individuals	NRD =	9
Percentage of 'dry'decomposer individuals	%NRD =	21
Number of 'foul' decomposer taxa	SRF =	1
Percentage of 'foul' decomposer taxa	%SRF =	3
Number of 'foul' decomposer individuals	NRF =	1
Percentage of 'foul' decomposer individuals	%NRF =	2
Index of diversity of decomposer component	alpha RT =	32
Standard error	SE alpha RT =	16
Number of individuals of grain pests	NG =	2
Percentage of individuals of grain pests	%NG =	5
Number of individuals of grain pests	NG =	2
Number of uncoded taxa	SU =	13
Percentage of uncoded individuals	PNU =	42

Context: 1183A Sample: 23/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Aleocharinae sp. A	6	14	1	u
Tipnus unicolor (Piller & Mitterpacher)	3	7	2	rd
Xylodromus concinnus (Marsham)	2	5	3	rt
Carpelimus ?bilineatus Stephens	2	5	3	rt
Mycetaea hirta (Marsham)	2	5	3	rd
Trechus obtusus or quadristriatus	1	2	6	oa
Trechus micros (Herbst)	1	2	6	u
Cercyon ?atricapillus (Marsham)	1	2	6	rf
Cercyon sp.	1	2	6	u
Ptenidium sp.	1	2	6	rt
Catopinae sp.	1	2	6	u
Omalium ?rivulare (Paykull)	1	2	6	rt
Anotylus complanatus (Erichson)	1	2	6	rt
Anotylus nitidulus (Gravenhorst)	1	2	6	rt d
Anotylus rugosus (Fabricius)	1	2	6	rt
Leptacinus sp.	1	2	6	rt
Philonthus sp. A	1	2	6	u
Philonthus sp. B	1	2	6	u
Tachyporus sp.	1	2	6	u
Cordalia obscura (Gravenhorst)	1	2	6	rt
Aleocharinae sp. B	1	2	6	u
Aleocharinae sp. C	1	2	6	u
Aleocharinae sp. D	1	2	6	u

continued...

Aleocharinae sp. E	1	2	6	u
Pselaphidae sp.	1	2	6	u
Oryzaephilus surinamensis (Linnaeus)	1	2	6	g
Cryptophagus sp.	1	2	6	rd
Cryptophagus sp. B	1	2	6	rd
Atomaria sp.	1	2	6	rd
Lathridius minutus group	1	2	6	rd
Bruchinae sp.	1	2	6	u
Apion sp.	1	2	6	oa p
Sitophilus granarius (Linnaeus)	1	2	6	g

Context: 1183A Sample: 24/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	55
Number of taxa	S =	37
Index of diversity (alpha)	alpha =	50
Standard error of alpha	SE alpha =	14
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	5
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	4
Number of 'certain' and probable outdoor taxa	SOB =	3
Percentage of 'certain' and probable outdoor taxa	%SOB =	8
Number of 'certain' and probable outdoor individuals	NOB =	3
Percentage 'certain' and probable outdoor individuals	%NOB =	5
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	3
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	2
Number of damp ground/waterside taxa	SD =	0
Percentage of damp ground/waterside taxa	%SD =	0
Number of damp ground/waterside individuals	ND =	0
Percentage of damp ground/waterside individuals	%ND =	0
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	4
Percentage of wood-associated individuals	%NL =	7
Number of decomposer taxa	SRT =	19
Percentage of decomposer taxa	%SRT =	51
Number of decomposer individuals	NRT =	33
Percentage of decomposer individuals	%NRT =	60
Number of 'dry' decomposer taxa	SRD =	8
Percentage of 'dry'decomposer taxa	%SRD =	22
Number of 'dry' decomposer individuals	NRD =	14
Percentage of 'dry'decomposer individuals	%NRD =	25
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	8
Number of 'foul' decomposer individuals	NRF =	3
Percentage of 'foul' decomposer individuals	%NRF =	5
Index of diversity of decomposer component	alpha RT =	19
Standard error	SE alpha RT =	6
Number of individuals of grain pests	NG =	2
Percentage of individuals of grain pests	%NG =	4
Number of individuals of grain pests	NG =	2

continued...

Number of uncoded taxa	SU =	13
Percentage of uncoded individuals	PNU =	25

Context: 1183A Sample: 24/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Omalium ?rivulare (Paykull)	5	9	1	rt
Tipnus unicolor (Piller & Mitterpacher)	5	9	1	rd
Xylodromus concinnus (Marsham)	4	7	3	rt
Anobium punctatum (Degeer)	4	7	3	l
Atomaria sp. A	3	5	5	rd
Ptenidium sp.	2	4	6	rt
Aleocharinae sp. B	2	4	6	u
Trechus micros (Herbst)	1	2	8	u
Cercyon ?atricapillus (Marsham)	1	2	8	rf
Cercyon sp. A	1	2	8	u
Cercyon sp. B	1	2	8	u
Cercyon sp. C	1	2	8	u
?Hydrobius fuscipes (Linnaeus)	1	2	8	oa w
Histerinae sp.	1	2	8	u
Catops sp.	1	2	8	u
Megarthrus sp.	1	2	8	rt
Omalium sp.	1	2	8	rt
Carpelimus ?bilineatus Stephens	1	2	8	rt
Platystethus arenarius (Fourcroy)	1	2	8	rf
Anotylus rugosus (Fabricius)	1	2	8	rt
Gyrohypnus sp.	1	2	8	rt
Philonthus sp.	1	2	8	u
Philonthus sp. B	1	2	8	u
Philonthus sp. C	1	2	8	u
Aleochara sp.	1	2	8	u
Aleocharinae sp. A	1	2	8	u
Aphodius sp.	1	2	8	ob rf
Cryptolestes sp.	1	2	8	u
Oryzaephilus sp.	1	2	8	g
Cryptophagus sp. A	1	2	8	rd
Cryptophagus sp. B	1	2	8	rd
Atomaria sp.	1	2	8	rd
Mycetaea hirta (Marsham)	1	2	8	rd
Lathridius minutus group	1	2	8	rd
Dienerella sp.	1	2	8	rd
Phyllotreta sp.	1	2	8	oa p
Sitophilus granarius (Linnaeus)	1	2	8	g

Context: 1183A Sample: 25/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	72
Number of taxa	S =	40
Index of diversity (alpha)	alpha =	37
Standard error of alpha	SE alpha =	8
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	5
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	3
Number of 'certain' and probable outdoor taxa	SOB =	3
Percentage of 'certain' and probable outdoor taxa	%SOB =	8
Number of 'certain' and probable outdoor individuals	NOB =	3
Percentage 'certain' and probable outdoor individuals	%NOB =	4

Diversity index for OB not calculated, NOB = SOB or NOB < 20

continued...

Number of aquatic taxa	SW =	2
Percentage of aquatic taxa	%SW =	5
Number of aquatic individuals	NW =	2
Percentage of aquatic individuals	%NW =	3
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	25
Percentage of decomposer taxa	%SRT =	63
Number of decomposer individuals	NRT =	50
Percentage of decomposer individuals	%NRT =	69
Number of 'dry' decomposer taxa	SRD =	9
Percentage of 'dry'decomposer taxa	%SRD =	23
Number of 'dry' decomposer individuals	NRD =	27
Percentage of 'dry'decomposer individuals	%NRD =	38
Number of 'foul' decomposer taxa	SRF =	2
Percentage of 'foul' decomposer taxa	%SRF =	5
Number of 'foul' decomposer individuals	NRF =	2
Percentage of 'foul' decomposer individuals	%NRF =	3
Index of diversity of decomposer component	alpha RT =	20
Standard error	SE alpha RT =	5
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	12
Percentage of uncoded individuals	PNU =	25

Context: 1183A Sample: 25/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Mycetaea hirta (Marsham)	7	10	1	rd
Tipnus unicolor (Piller & Mitterpacher)	5	7	2	rd
Lathridius minutus group	5	7	2	rd
Phyllodrepa sp.	4	6	4	rt
Aleocharinae sp. C	4	6	4	u
Atomaria sp. A	4	6	4	rd
Omalium sp.	3	4	7	rt
Omalium ?rivulare (Paykull)	2	3	8	rt
?Gyrohypnus sp.	2	3	8	rt
Philonthus sp. A	2	3	8	u
Philonthus sp. C	2	3	8	u
?Quedius sp.	2	3	8	u
Anobium punctatum (Degeer)	2	3	8	l
Ptinus ?fur (Linnaeus)	2	3	8	rd
Trechus micros (Herbst)	1	1	15	u
Agabus sp.	1	1	15	oa w
Helophorus sp.	1	1	15	oa w
Cercyon ?analis (Paykull)	1	1	15	rt
Cercyon sp. A	1	1	15	u
Cercyon sp. B	1	1	15	u
Ptenidium sp.	1	1	15	rt

continued...

Catopinae sp.	1	1	15	u
Megarthrus sp.	1	1	15	rt
Xylodromus concinnus (Marsham)	1	1	15	rt
Platystethus arenarius (Fourcroy)	1	1	15	rf
Anotylus ?nitidulus (Gravenhorst)	1	1	15	rt d
Anotylus sculpturatus group	1	1	15	rt
Anotylus ?tetracarinatus (Block)	1	1	15	rt
Philonthus sp. B	1	1	15	u
Falagria caesa or sulcatula	1	1	15	rt
Aleochara sp.	1	1	15	u
Aleocharinae sp. A	1	1	15	u
Aleocharinae sp. B	1	1	15	u
Aphodius sp.	1	1	15	ob rf
Omosita colon (Linnaeus)	1	1	15	rt
Cryptophagus ?scutellatus Newman	1	1	15	rd
Cryptophagus sp.	1	1	15	rd
Atomaria sp. B	1	1	15	rd
Dienerella sp.	1	1	15	rd
Aglenus brunneus (Gyllenhal)	1	1	15	rt

Context: 1183A Sample: 26/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	80
Number of taxa	S =	47
Index of diversity (alpha)	alpha =	48
Standard error of alpha	SE alpha =	10
Number of 'certain' outdoor taxa	SOA =	5
Percentage of 'certain' outdoor taxa	%SOA =	11
Number of 'certain' outdoor individuals	NOA =	5
Percentage of 'certain' outdoor individuals	%NOA =	6
Number of 'certain' and probable outdoor taxa	SOB =	6
Percentage of 'certain' and probable outdoor taxa	%SOB =	13
Number of 'certain' and probable outdoor individuals	NOB =	6
Percentage 'certain' and probable outdoor individuals	%NOB =	8
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	4
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	3
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	6
Number of strongly plant-associated individuals	NP =	3
Percentage of strongly plant-associated individuals	%NP =	4
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	27
Percentage of decomposer taxa	%SRT =	57
Number of decomposer individuals	NRT =	42
Percentage of decomposer individuals	%NRT =	53
Number of 'dry' decomposer taxa	SRD =	9
Percentage of 'dry'decomposer taxa	%SRD =	19
Number of 'dry' decomposer individuals	NRD =	17
Percentage of 'dry'decomposer individuals	%NRD =	21

continued...

Number of 'foul' decomposer taxa	SRF =	4
Percentage of 'foul' decomposer taxa	%SRF =	9
Number of 'foul' decomposer individuals	NRF =	5
Percentage of 'foul' decomposer individuals	%NRF =	6
Index of diversity of decomposer component	alpha RT =	33
Standard error	SE alpha RT =	10
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	1
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	12
Percentage of uncoded individuals	PNU =	38

Context: 1183A Sample: 26/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Omalium rivulare (Paykull)	5	6	1	rt
Aleocharinae sp. A	5	6	1	u
Philonthus sp. B	4	5	3	u
Aleochara sp. A	4	5	3	u
Ptenidium sp.	3	4	5	rt
Omaliinae sp.	3	4	5	u
Philonthus sp. A	3	4	5	u
Aleochara sp. B	3	4	5	u
Tipnus unicolor (Piller & Mitterpacher)	3	4	5	rd
Atomaria sp. B	3	4	5	rd
Mycetaea hirta (Marsham)	3	4	5	rd
Cercyon ?terminatus (Marsham)	2	3	12	rf
Aleocharinae sp. B	2	3	12	u
Aleocharinae sp. C	2	3	12	u
Atomaria sp. A	2	3	12	rd
Lathridius minutus group	2	3	12	rd
Trechus micros (Herbst)	1	1	17	u
Helophorus sp.	1	1	17	oa w
Cercyon ?atricapillus (Marsham)	1	1	17	rf
Cercyon sp.	1	1	17	u
Hister sp.	1	1	17	rt
Xylodromus concinnus (Marsham)	1	1	17	rt
Platystethus arenarius (Fourcroy)	1	1	17	rf
Platystethus nitens (Sahlberg)	1	1	17	oa d
Anotylus nitidulus (Gravenhorst)	1	1	17	rt d
Anotylus rugosus (Fabricius)	1	1	17	rt
Anotylus sculpturatus group	1	1	17	rt
Leptacinus sp.	1	1	17	rt
Gyrohypnus fracticornis (Muller)	1	1	17	rt
Neobisnius sp.	1	1	17	u
Quedius sp.	1	1	17	u
Cordalia obscura (Gravenhorst)	1	1	17	rt
Falagria sp.	1	1	17	rt
Aphodius granarius (Linnaeus)	1	1	17	ob rf
Clambus sp.	1	1	17	rt
Anthrenus sp.	1	1	17	rt
Anobium punctatum (Degeer)	1	1	17	l
Ptinus sp.	1	1	17	rd
Lyctus sp.	1	1	17	l
Cryptophagus sp.	1	1	17	rd
Atomaria sp. C	1	1	17	rd
?Enicmus sp.	1	1	17	rt
Dienerella sp.	1	1	17	rd
Halticinae sp.	1	1	17	oa p
Sitona ?lineatus (Linnaeus)	1	1	17	oa p
Sitophilus granarius (Linnaeus)	1	1	17	g
Ceutorhynchus sp.	1	1	17	oa p

continued...

Context: 1183A Sample: 27/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	88
Number of taxa	S =	43
Index of diversity (alpha)	alpha =	33
Standard error of alpha	SE alpha =	6
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	2
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	1
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	5
Number of 'certain' and probable outdoor individuals	NOB =	3
Percentage 'certain' and probable outdoor individuals	%NOB =	3
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	1
Percentage of wood-associated individuals	%NL =	1
Number of decomposer taxa	SRT =	27
Percentage of decomposer taxa	%SRT =	63
Number of decomposer individuals	NRT =	61
Percentage of decomposer individuals	%NRT =	69
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	16
Number of 'dry' decomposer individuals	NRD =	26
Percentage of 'dry'decomposer individuals	%NRD =	30
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	7
Number of 'foul' decomposer individuals	NRF =	5
Percentage of 'foul' decomposer individuals	%NRF =	6
Index of diversity of decomposer component	alpha RT =	19
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	2
Percentage of individuals of grain pests	%NG =	2
Number of individuals of grain pests	NG =	2
Number of uncoded taxa	SU =	13
Percentage of uncoded individuals	PNU =	26

Context: 1183A Sample: 27/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Mycetaea hirta (Marsham)	9	10	1	rd
Omalium ?rivulare (Paykull)	5	6	2	rt
Tipnus unicolor (Piller & Mitterpacher)	5	6	2	rd
Lathridius minutus group	5	6	2	rd

continued...

Omalium sp.	4	5	5	rt
Xylodromus concinnus (Marsham)	4	5	5	rt
Philonthus sp. A	3	3	7	u
Philonthus sp. B	3	3	7	u
Aleochara sp.	3	3	7	u
Aleocharinae sp. B	3	3	7	u
Atomaria sp. A	3	3	7	rd
Cercyon terminatus (Marsham)	2	2	12	rf
Cercyon sp. B	2	2	12	u
Catopinae sp.	2	2	12	u
Phyllodrepa sp.	2	2	12	rt
Anotylus sculpturatus group	2	2	12	rt
Aphodius granarius (Linnaeus)	2	2	12	ob rf
Omosita discoidea (Fabricius)	2	2	12	rt
Cryptophagus scutellatus Newman	2	2	12	rd
Sitophilus granarius (Linnaeus)	2	2	12	g
Trechus micros (Herbst)	1	1	21	u
Cercyon sp. A	1	1	21	u
Acritus nigricornis (Hoffmann)	1	1	21	rt
Hister sp.	1	1	21	rt
Ptenidium sp.	1	1	21	rt
Acrotrichis sp.	1	1	21	rt
Lesteva ?longoelytrata (Goeze)	1	1	21	oa d
Carpelimus bilineatus Stephens	1	1	21	rt
Platystethus arenarius (Fourcroy)	1	1	21	rf
Oxytelus sculptus Gravenhorst	1	1	21	rt
Gyrohypnus angustatus Stephens	1	1	21	rt
Quedius sp.	1	1	21	u
Tachinus sp.	1	1	21	u
Cilea silphoides (Linnaeus)	1	1	21	rt
Cypha sp.	1	1	21	rt
Cordalia obscura (Gravenhorst)	1	1	21	rt
Falagria caesa or sulcatula	1	1	21	rt
Aleocharinae sp. A	1	1	21	u
Aleocharinae sp. C	1	1	21	u
Aleocharinae sp. D	1	1	21	u
Anobium punctatum (Degeer)	1	1	21	l
Cryptophagus sp.	1	1	21	rd
Atomaria sp. B	1	1	21	rd

Context: 1183A Sample: 28/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	94
Number of taxa	S =	46
Index of diversity (alpha)	alpha =	36
Standard error of alpha	SE alpha =	6
Number of 'certain' outdoor taxa	SOA =	3
Percentage of 'certain' outdoor taxa	%SOA =	7
Number of 'certain' outdoor individuals	NOA =	3
Percentage of 'certain' outdoor individuals	%NOA =	3
Number of 'certain' and probable outdoor taxa	SOB =	5
Percentage of 'certain' and probable outdoor taxa	%SOB =	11
Number of 'certain' and probable outdoor individuals	NOB =	5
Percentage 'certain' and probable outdoor individuals	%NOB =	5
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	2
Percentage of aquatic taxa	%SW =	4
Number of aquatic individuals	NW =	2
Percentage of aquatic individuals	%NW =	2
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2

continued...

Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	2
Percentage of strongly plant-associated taxa	%SP =	4
Number of strongly plant-associated individuals	NP =	2
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	6
Percentage of wood-associated individuals	%NL =	6
Number of decomposer taxa	SRT =	25
Percentage of decomposer taxa	%SRT =	54
Number of decomposer individuals	NRT =	54
Percentage of decomposer individuals	%NRT =	57
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	15
Number of 'dry' decomposer individuals	NRD =	16
Percentage of 'dry'decomposer individuals	%NRD =	17
Number of 'foul' decomposer taxa	SRF =	4
Percentage of 'foul' decomposer taxa	%SRF =	9
Number of 'foul' decomposer individuals	NRF =	4
Percentage of 'foul' decomposer individuals	%NRF =	4
Index of diversity of decomposer component	alpha RT =	18
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	2
Percentage of individuals of grain pests	%NG =	2
Number of individuals of grain pests	NG =	2
Number of uncoded taxa	SU =	15
Percentage of uncoded individuals	PNU =	31

Context: 1183A Sample: 28/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Philonthus sp. B	8	9	1	u
Phyllodrepa sp.	7	7	2	rt
Omalium rivulare (Paykull)	7	7	2	rt
Anobium punctatum (Degeer)	6	6	4	l
Atomaria sp.	4	4	5	rd
Ptenidium sp.	3	3	6	rt
Xylodromus concinnus (Marsham)	3	3	6	rt
Aleocharinae sp. C	3	3	6	u
Tipnus unicolor (Piller & Mitterpacher)	3	3	6	rd
Ptinus fur (Linnaeus)	3	3	6	rd
Cercyon analis (Paykull)	2	2	11	rt
Catopinae sp.	2	2	11	u
Carpelimus bilineatus Stephens	2	2	11	rt
Anotylus nitidulus (Gravenhorst)	2	2	11	rt d
Gyrohypnus sp.	2	2	11	rt
Philonthus sp. A	2	2	11	u
Aleochara sp. B	2	2	11	u
Aleocharinae sp. A	2	2	11	u
Mycetaea hirta (Marsham)	2	2	11	rd
Lathridius minutus group	2	2	11	rd
Bruchinae sp.	2	2	11	u
Drymus sp.	1	1	22	oa p
Cercyon sp.	1	1	22	u
Cryptopleurum minutum (Fabricius)	1	1	22	rf
Hister sp.	1	1	22	rt
Ochthebius sp.	1	1	22	oa w
Platystethus arenarius (Fourcroy)	1	1	22	rf

continued...

Anotylus rugosus (Fabricius)	1	1	22	rt
Anotylus tetracarinatus (Block)	1	1	22	rt
Oxytelus sculptus Gravenhorst	1	1	22	rt
Stenus sp.	1	1	22	u
Neobisnius sp.	1	1	22	u
Creophilus maxillosus (Linnaeus)	1	1	22	rt
Quedius sp.	1	1	22	u
Aleochara sp. A	1	1	22	u
Aleochara sp. C	1	1	22	u
Aleocharinae sp. B	1	1	22	u
Aleocharinae sp. D	1	1	22	u
Aphodius sp. A	1	1	22	ob rf
Aphodius sp. B	1	1	22	ob rf
Anthrenus sp.	1	1	22	rt
Oryzaephilus surinamensis (Linnaeus)	1	1	22	g
Cryptophagus scutellatus Newman	1	1	22	rd
Cryptophagus sp.	1	1	22	rd
Donaciinae sp.	1	1	22	oa w p
Sitophilus granarius (Linnaeus)	1	1	22	g

Context: 1183A Sample: 29/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	34
Number of taxa	S =	25
Index of diversity (alpha)	alpha =	43
Standard error of alpha	SE alpha =	16
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	4
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	3
Number of 'certain' and probable outdoor taxa	SOB =	1
Percentage of 'certain' and probable outdoor taxa	%SOB =	4
Number of 'certain' and probable outdoor individuals	NOB =	1
Percentage 'certain' and probable outdoor individuals	%NOB =	3
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	8
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	6
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	6
Number of decomposer taxa	SRT =	14
Percentage of decomposer taxa	%SRT =	56
Number of decomposer individuals	NRT =	21
Percentage of decomposer individuals	%NRT =	62
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	20
Number of 'dry' decomposer individuals	NRD =	6
Percentage of 'dry'decomposer individuals	%NRD =	18

continued...

Number of 'foul' decomposer taxa	SRF =	0
Percentage of 'foul' decomposer taxa	%SRF =	0
Number of 'foul' decomposer individuals	NRF =	0
Percentage of 'foul' decomposer individuals	%NRF =	0
Index of diversity of decomposer component	alpha RT =	19
Standard error	SE alpha RT =	8
Number of individuals of grain pests	NG =	3
Percentage of individuals of grain pests	%NG =	9
Number of individuals of grain pests	NG =	3
Number of uncoded taxa	SU =	7
Percentage of uncoded individuals	PNU =	21

Context: 1183A Sample: 29/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Omalium rivulare (Paykull)	4	12	1	rt
Omalium sp.	3	9	2	rt
Gyrohypnus sp.	2	6	3	rt
Anobium punctatum (Degeer)	2	6	3	l
Oryzaephilus surinamensis (Linnaeus)	2	6	3	g
Atomaria sp. B	2	6	3	rd
Trechus micros (Herbst)	1	3	7	u
Cercyon sp.	1	3	7	u
Catopinae sp.	1	3	7	u
Phyllodrepa sp.	1	3	7	rt
Xylodromus concinnus (Marsham)	1	3	7	rt
Carpelimus bilineatus Stephens	1	3	7	rt
Anotylus nitidulus (Gravenhorst)	1	3	7	rt d
Xantholinus longiventris Heer	1	3	7	rt
Philonthus sp.	1	3	7	u
Tachinus sp.	1	3	7	u
Aleocharinae sp.	1	3	7	u
Cyphon sp.	1	3	7	oa d
Rhizophagus sp.	1	3	7	u
Cryptophagus sp.	1	3	7	rd
Atomaria sp. A	1	3	7	rd
Mycetaea hirta (Marsham)	1	3	7	rd
Lathridius minutus group	1	3	7	rd
Anthicus sp.	1	3	7	rt
Sitophilus granarius (Linnaeus)	1	3	7	g

Context: 1183A Sample: 30/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	51
Number of taxa	S =	33
Index of diversity (alpha)	alpha =	41
Standard error of alpha	SE alpha =	11
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	3
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	2
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	6
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	4

Diversity index for OB not calculated, NOB = SOB or NOB < 20

Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0

continued...

Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	3
Percentage of wood-associated individuals	%NL =	6
Number of decomposer taxa	SRT =	21
Percentage of decomposer taxa	%SRT =	64
Number of decomposer individuals	NRT =	32
Percentage of decomposer individuals	%NRT =	63
Number of 'dry' decomposer taxa	SRD =	6
Percentage of 'dry'decomposer taxa	%SRD =	18
Number of 'dry' decomposer individuals	NRD =	14
Percentage of 'dry'decomposer individuals	%NRD =	27
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	9
Number of 'foul' decomposer individuals	NRF =	4
Percentage of 'foul' decomposer individuals	%NRF =	8
Index of diversity of decomposer component	alpha RT =	27
Standard error	SE alpha RT =	9
Number of individuals of grain pests	NG =	4
Percentage of individuals of grain pests	%NG =	8
Number of individuals of grain pests	NG =	4
Number of uncoded taxa	SU =	7
Percentage of uncoded individuals	PNU =	22

Context: 1183A Sample: 30/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Lathridius minutus group	6	12	1	rd
Oryzaephilus surinamensis (Linnaeus)	3	6	2	g
Cercyon haemorrhoidalis (Fabricius)	2	4	3	rf
Xylodromus sp.	2	4	3	rt
Philonthus sp.	2	4	3	u
Aleochara sp.	2	4	3	u
Aleocharinae sp. A	2	4	3	u
Aleocharinae sp. B	2	4	3	u
Anobium punctatum (Degeer)	2	4	3	l
Cryptophagus scutellatus Newman	2	4	3	rd
Cryptophagus sp.	2	4	3	rd
Mycetaea hirta (Marsham)	2	4	3	rd
Aglenus brunneus (Gyllenhal)	2	4	3	rt
Lygaeidae sp.	1	2	14	oa p
Cercyon terminatus (Marsham)	1	2	14	rf
Acritus nigricornis (Hoffmann)	1	2	14	rt
Scydmaenidae sp.	1	2	14	u
Omalium rivulare (Paykull)	1	2	14	rt
Omalium sp.	1	2	14	rt
Carpelimus bilineatus Stephens	1	2	14	rt
Carpelimus sp.	1	2	14	u
Anotylus nitidulus (Gravenhorst)	1	2	14	rt d
Anotylus rugosus (Fabricius)	1	2	14	rt
Anotylus sculpturatus group	1	2	14	rt

continued...

Gyrohypnus fracticornis (Muller)	1	2	14	rt
Cordalia obscura (Gravenhorst)	1	2	14	rt
Aleocharinae sp. C	1	2	14	u
Aphodius sp.	1	2	14	ob rf
Anthrenus sp.	1	2	14	rt
Tipnus unicolor (Piller & Mitterpacher)	1	2	14	rd
Lyctus sp.	1	2	14	l
Atomaria sp.	1	2	14	rd
Sitophilus granarius (Linnaeus)	1	2	14	g

Context: 1183A Sample: 31/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.500kg

Number of individuals estimated as	N =	79
Number of taxa	S =	42
Index of diversity (alpha)	alpha =	37
Standard error of alpha	SE alpha =	7
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	2
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	1
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	5
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	3
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	5
Number of damp ground/waterside individuals	ND =	3
Percentage of damp ground/waterside individuals	%ND =	4
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	23
Percentage of decomposer taxa	%SRT =	55
Number of decomposer individuals	NRT =	49
Percentage of decomposer individuals	%NRT =	62
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	17
Number of 'dry' decomposer individuals	NRD =	19
Percentage of 'dry'decomposer individuals	%NRD =	24
Number of 'foul' decomposer taxa	SRF =	1
Percentage of 'foul' decomposer taxa	%SRF =	2
Number of 'foul' decomposer individuals	NRF =	1
Percentage of 'foul' decomposer individuals	%NRF =	1
Index of diversity of decomposer component	alpha RT =	17
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	3
Percentage of individuals of grain pests	%NG =	4
Number of individuals of grain pests	NG =	3
Number of uncoded taxa	SU =	15
Percentage of uncoded individuals	PNU =	30

continued...

Context: 1183A Sample: 31/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Mycetaea hirta (Marsham)	7	9	1	rd
Ptenidium sp.	6	8	2	rt
Omalium rivulare (Paykull)	6	8	2	rt
Aleocharinae sp. B	5	6	4	u
Omalium sp.	3	4	5	rt
Tipnus unicolor (Piller & Mitterpacher)	3	4	5	rd
Atomaria sp. A	3	4	5	rd
Lathridius minutus group	3	4	5	rd
Catopinae sp.	2	3	9	u
Anotylus nitidulus (Gravenhorst)	2	3	9	rt d
Gyrohypnus fracticornis (Muller)	2	3	9	rt
Philonthus sp. A	2	3	9	u
Philonthus sp. B	2	3	9	u
Philonthus sp. C	2	3	9	u
Aleocharinae sp. A	2	3	9	u
Anobium punctatum (Degeer)	2	3	9	l
Sitophilus granarius (Linnaeus)	2	3	9	g
Trechus micros (Herbst)	1	1	18	u
Cercyon sp.	1	1	18	u
Micropeplus sp.	1	1	18	rt
Phyllodrepa sp.	1	1	18	rt
Platystethus nitens (Sahlberg)	1	1	18	oa d
Anotylus complanatus (Erichson)	1	1	18	rt
Anotylus rugosus (Fabricius)	1	1	18	rt
Anotylus sculpturatus group	1	1	18	rt
Oxytelus sculptus Gravenhorst	1	1	18	rt
Leptacinus sp.	1	1	18	rt
Philonthus sp. D	1	1	18	u
Quedius sp.	1	1	18	u
Tachinus sp.	1	1	18	u
Cordalia obscura (Gravenhorst)	1	1	18	rt
Aleochara sp.	1	1	18	u
Pselaphidae sp.	1	1	18	u
Aphodius sp.	1	1	18	ob rf
Ptinus sp.	1	1	18	rd
Rhizophagus sp.	1	1	18	u
Oryzaephilus surinamensis (Linnaeus)	1	1	18	g
Atomaria sp. B	1	1	18	rd
Enicmus sp.	1	1	18	rt
Dienerella sp.	1	1	18	rd
Corticaria sp.	1	1	18	rt
Bruchinae sp.	1	1	18	u

Context: 1336 Sample: 35/2 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N = 7
Number of taxa	S = 4

Context: 1336 Sample: 35/2 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Tipnus unicolor (Piller & Mitterpacher)	4	57	1	rd
Catopinae sp.	1	14	2	u
Coprophilus striatulus (Fabricius)	1	14	2	rt
Anobium punctatum (Degeer)	1	14	2	l

continued...

Context: 1336B Sample: 36/1

NO RECORDS OF BEETLES OR BUGS

Context: 1326 Sample: 38/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	103
Number of taxa	S =	55
Index of diversity (alpha)	alpha =	48
Standard error of alpha	SE alpha =	8
Number of 'certain' outdoor taxa	SOA =	4
Percentage of 'certain' outdoor taxa	%SOA =	7
Number of 'certain' outdoor individuals	NOA =	4
Percentage of 'certain' outdoor individuals	%NOA =	4
Number of 'certain' and probable outdoor taxa	SOB =	6
Percentage of 'certain' and probable outdoor taxa	%SOB =	11
Number of 'certain' and probable outdoor individuals	NOB =	6
Percentage 'certain' and probable outdoor individuals	%NOB =	6
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	4
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	2
Percentage of strongly plant-associated taxa	%SP =	4
Number of strongly plant-associated individuals	NP =	2
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	3
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	36
Percentage of decomposer taxa	%SRT =	65
Number of decomposer individuals	NRT =	67
Percentage of decomposer individuals	%NRT =	65
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	13
Number of 'dry' decomposer individuals	NRD =	9
Percentage of 'dry'decomposer individuals	%NRD =	9
Number of 'foul' decomposer taxa	SRF =	6
Percentage of 'foul' decomposer taxa	%SRF =	11
Number of 'foul' decomposer individuals	NRF =	8
Percentage of 'foul' decomposer individuals	%NRF =	8
Index of diversity of decomposer component	alpha RT =	32
Standard error	SE alpha RT =	7
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	13
Percentage of uncoded individuals	PNU =	28

continued...

Context: 1326 Sample: 38/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Carpelimus bilineatus Stephens	8	8	1	rt
Oxytelus sculptus Gravenhorst	7	7	2	rt
Carpelimus fuliginosus (Gravenhorst)	6	6	3	u
Anotylus rugosus (Fabricius)	6	6	3	rt
Neobisnius sp.	6	6	3	u
Cercyon analis (Paykull)	4	4	6	rt
Aleocharinae sp. A	4	4	6	u
Cercyon ?atricapillus (Marsham)	2	2	8	rf
Ptenidium sp. A	2	2	8	rt
Ptenidium sp. B	2	2	8	rt
Xylodromus concinnus (Marsham)	2	2	8	rt
Platystethus arenarius (Fourcroy)	2	2	8	rf
Stenus sp. A	2	2	8	u
Falagria sp.	2	2	8	rt
Aleocharinae sp. B	2	2	8	u
Aleocharinae sp. C	2	2	8	u
Anobium punctatum (Degeer)	2	2	8	l
Tipnus unicolor (Piller & Mitterpacher)	2	2	8	rd
Monotoma longicollis (Gyllenhall)	2	2	8	rt
Monotoma sp. A	2	2	8	rt
?Lathridius minutus group	2	2	8	rd
Auchenorhyncha sp.	1	1	22	oa p
Trechus micros (Herbst)	1	1	22	u
Bembidion ?harpaloides Seville	1	1	22	oa d
Cercyon ?haemorrhoidalis (Fabricius)	1	1	22	rf
?Cryptopleurum minutum (Fabricius)	1	1	22	rf
Hydrobius fuscipes (Linnaeus)	1	1	22	oa w
Acritus nigricornis (Hoffmann)	1	1	22	rt
?Acrotrichis sp.	1	1	22	rt
Omalium sp.	1	1	22	rt
Omaliinae sp.	1	1	22	u
Coprophilus striatulus (Fabricius)	1	1	22	rt
Aploderus caelatus (Gravenhorst)	1	1	22	rt
Anotylus ?complanatus (Erichson)	1	1	22	rt
Anotylus nitidulus (Gravenhorst)	1	1	22	rt d
Anotylus tetracarinatus (Block)	1	1	22	rt
Stenus sp. B	1	1	22	u
Leptacinus sp.	1	1	22	rt
Gyrohypnus fracticornis (Muller)	1	1	22	rt
Philonthus sp.	1	1	22	u
Aleocharinae sp. D	1	1	22	u
Aleocharinae sp. E	1	1	22	u
Aphodius sp. A	1	1	22	ob rf
Aphodius sp. B	1	1	22	ob rf
Ptinus fur (Linnaeus)	1	1	22	rd
Lyctus sp.	1	1	22	l
Monotoma sp. B	1	1	22	rt
Cryptophagus sp. A	1	1	22	rd
Cryptophagus sp. B	1	1	22	rd
Atomaria sp.	1	1	22	rd
Mycetaea hirta (Marsham)	1	1	22	rd
Aglenus brunneus (Gyllenhal)	1	1	22	rt
Anthicus ?floralis (Linnaeus)	1	1	22	rt
Bruchinae sp.	1	1	22	u
?Ceutorhynchus sp.	1	1	22	oa p

continued...

Context: 1326 Sample: 38/4 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	109
Number of taxa	S =	43
Index of diversity (alpha)	alpha =	26
Standard error of alpha	SE alpha =	4
Number of 'certain' outdoor taxa	SOA =	5
Percentage of 'certain' outdoor taxa	%SOA =	12
Number of 'certain' outdoor individuals	NOA =	5
Percentage of 'certain' outdoor individuals	%NOA =	5
Number of 'certain' and probable outdoor taxa	SOB =	7
Percentage of 'certain' and probable outdoor taxa	%SOB =	16
Number of 'certain' and probable outdoor individuals	NOB =	7
Percentage 'certain' and probable outdoor individuals	%NOB =	6
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	5
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	7
Number of strongly plant-associated individuals	NP =	3
Percentage of strongly plant-associated individuals	%NP =	3
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	3
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	29
Percentage of decomposer taxa	%SRT =	67
Number of decomposer individuals	NRT =	73
Percentage of decomposer individuals	%NRT =	67
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	12
Number of 'dry' decomposer individuals	NRD =	11
Percentage of 'dry'decomposer individuals	%NRD =	10
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	7
Number of 'foul' decomposer individuals	NRF =	3
Percentage of 'foul' decomposer individuals	%NRF =	3
Index of diversity of decomposer component	alpha RT =	18
Standard error	SE alpha RT =	3
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	7
Percentage of uncoded individuals	PNU =	25

Context: 1326 Sample: 38/4 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Carpelimus ?bilineatus Stephens	11	10	1	rt
Neobisnius sp.	9	8	2	u
Carpelimus fuliginosus (Gravenhorst)	8	7	3	u
Anotylus rugosus (Fabricius)	8	7	3	rt

continued...

Ptenidium sp. A	7	6	5	rt
Cercyon analis (Paykull)	5	5	6	rt
Ptenidium sp. B	4	4	7	rt
Oxytelus sculptus Gravenhorst	4	4	7	rt
Lathridius minutus group	4	4	7	rd
Acrotrichis sp.	3	3	10	rt
Aleocharinae sp. A	3	3	10	u
Aleocharinae sp. B	3	3	10	u
Anobium punctatum (Degeer)	3	3	10	l
Ptinus ?fur (Linnaeus)	3	3	10	rd
Stenus sp.	2	2	15	u
Leptacinus sp.	2	2	15	rt
Falagria sp.	2	2	15	rt
Cryptophagus sp.	2	2	15	rd
Aglenus brunneus (Gyllenhal)	2	2	15	rt
Trechus obtusus or quadristriatus	1	1	20	oa
Carabidae sp.	1	1	20	ob
Cercyon ?terminatus (Marsham)	1	1	20	rf
Megasternum obscurum (Marsham)	1	1	20	rt
Acritus nigricornis (Hoffmann)	1	1	20	rt
Megarthrus sp.	1	1	20	rt
Lesteva sp.	1	1	20	oa d
Xylodromus concinnus (Marsham)	1	1	20	rt
Aploderus caelatus (Gravenhorst)	1	1	20	rt
Platystethus ?arenarius (Fourcroy)	1	1	20	rf
Anotylus complanatus (Erichson)	1	1	20	rt
Anotylus ?nitidulus (Gravenhorst)	1	1	20	rt d
?Gyrohypnus fracticornis (Muller)	1	1	20	rt
Staphylininae sp.	1	1	20	u
Tachyporus sp.	1	1	20	u
Aphodius sp.	1	1	20	ob rf
Tipnus unicolor (Piller & Mitterpacher)	1	1	20	rd
Monotoma ?longicollis (Gyllenhall)	1	1	20	rt
Atomaria sp.	1	1	20	rd
Enicmus sp.	1	1	20	rt
Corticaria sp.	1	1	20	rt
Apion sp.	1	1	20	oa p
Sitona sp.	1	1	20	oa p
Ceuthorhynchinae sp.	1	1	20	oa p

Context: 1359B Sample: 39/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	158
Number of taxa	S =	59
Index of diversity (alpha)	alpha =	34
Standard error of alpha	SE alpha =	4
Number of 'certain' outdoor taxa	SOA =	8
Percentage of 'certain' outdoor taxa	%SOA =	14
Number of 'certain' outdoor individuals	NOA =	8
Percentage of 'certain' outdoor individuals	%NOA =	5
Number of 'certain' and probable outdoor taxa	SOB =	9
Percentage of 'certain' and probable outdoor taxa	%SOB =	15
Number of 'certain' and probable outdoor individuals	NOB =	9
Percentage 'certain' and probable outdoor individuals	%NOB =	6
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	3

continued...

Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	4
Percentage of strongly plant-associated taxa	%SP =	7
Number of strongly plant-associated individuals	NP =	4
Percentage of strongly plant-associated individuals	%NP =	3
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	5
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	37
Percentage of decomposer taxa	%SRT =	63
Number of decomposer individuals	NRT =	107
Percentage of decomposer individuals	%NRT =	68
Number of 'dry' decomposer taxa	SRD =	11
Percentage of 'dry'decomposer taxa	%SRD =	19
Number of 'dry' decomposer individuals	NRD =	35
Percentage of 'dry'decomposer individuals	%NRD =	22
Number of 'foul' decomposer taxa	SRF =	5
Percentage of 'foul' decomposer taxa	%SRF =	8
Number of 'foul' decomposer individuals	NRF =	9
Percentage of 'foul' decomposer individuals	%NRF =	6
Index of diversity of decomposer component	alpha RT =	20
Standard error	SE alpha RT =	3
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	13
Percentage of uncoded individuals	PNU =	24

Context: 1359B Sample: 39/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Carpelimus fuliginosus (Gravenhorst)	16	10	1	u
Ptenidium sp.	15	9	2	rt
Oxytelus sculptus Gravenhorst	8	5	3	rt
Cercyon analis (Paykull)	7	4	4	rt
Lathridius minutus group	7	4	4	rd
Mycetaea hirta (Marsham)	6	4	6	rd
Anobium punctatum (Degeer)	5	3	7	l
Tipnus unicolor (Piller & Mitterpacher)	5	3	7	rd
Cercyon ?atricapillus (Marsham)	4	3	9	rf
Stenus sp.	4	3	9	u
Leptacinus sp.	4	3	9	rt
Falagria sp.	4	3	9	rt
Xylodromus concinnus (Marsham)	3	2	13	rt
Philonthus sp. A	3	2	13	u
Aleocharinae sp. A	3	2	13	u
Ptinus ?fur (Linnaeus)	3	2	13	rd
Cryptophagus sp. B	3	2	13	rd
Atomaria sp. A	3	2	13	rd
Aglenus brunneus (Gyllenhal)	3	2	13	rt
Omalium sp. A	2	1	20	rt
Omaliinae sp.	2	1	20	u
Carpelimus ?bilineatus Stephens	2	1	20	rt
Platystethus arenarius (Fourcroy)	2	1	20	rf
Anotylus complanatus (Erichson)	2	1	20	rt
Lithocharis sp.	2	1	20	rt
Neobisnius sp.	2	1	20	u
Aleocharinae sp. B	2	1	20	u

continued...

Cryptophagus scutellatus Newman	2	1	20	rd
Atomaria sp. B	2	1	20	rd
Atomaria sp. C	2	1	20	rd
Anthicus sp.	2	1	20	rt
Auchenorhyncha sp. A	1	1	32	oa p
Auchenorhyncha sp. B	1	1	32	oa p
Trechus micros (Herbst)	1	1	32	u
Amara sp.	1	1	32	oa
Hydroporinae sp.	1	1	32	oa w
Cercyon haemorrhoidalis (Fabricius)	1	1	32	rf
Cryptopleurum minutum (Fabricius)	1	1	32	rf
Acritus nigricornis (Hoffmann)	1	1	32	rt
Acrotrichis sp.	1	1	32	rt
Megarthrus sp.	1	1	32	rt
?Lesteva sp.	1	1	32	oa d
Omalium sp. B	1	1	32	rt
Anotylus rugosus (Fabricius)	1	1	32	rt
Anotylus ?tetracarinatus (Block)	1	1	32	rt
Phacophallus parumpunctatus (Gyllenhal)	1	1	32	rt
Philonthus sp. B	1	1	32	u
Aleocharinae sp. C	1	1	32	u
Aleocharinae sp. D	1	1	32	u
Aleocharinae sp. E	1	1	32	u
Aphodius sp.	1	1	32	ob rf
Cyphon sp.	1	1	32	oa d
Monotoma spinicollis Aube	1	1	32	rt
Cryptophagus sp. A	1	1	32	rd
?Dienerella sp.	1	1	32	rd
Corticaria sp.	1	1	32	rt
Halticinae sp.	1	1	32	oa p
?Barynotus sp.	1	1	32	oa p
Coleoptera sp.	1	1	32	u

Context: 1359B Sample: 39/2 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	173
Number of taxa	S =	63
Index of diversity (alpha)	alpha =	36
Standard error of alpha	SE alpha =	4
Number of 'certain' outdoor taxa	SOA =	9
Percentage of 'certain' outdoor taxa	%SOA =	14
Number of 'certain' outdoor individuals	NOA =	9
Percentage of 'certain' outdoor individuals	%NOA =	5
Number of 'certain' and probable outdoor taxa	SOB =	12
Percentage of 'certain' and probable outdoor taxa	%SOB =	19
Number of 'certain' and probable outdoor individuals	NOB =	12
Percentage 'certain' and probable outdoor individuals	%NOB =	7
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	2
Percentage of aquatic taxa	%SW =	3
Number of aquatic individuals	NW =	2
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	5
Percentage of strongly plant-associated taxa	%SP =	8
Number of strongly plant-associated individuals	NP =	5
Percentage of strongly plant-associated individuals	%NP =	3
Number of heathland/moorland taxa	SM =	0

continued...

Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	7
Percentage of wood-associated individuals	%NL =	4
Number of decomposer taxa	SRT =	33
Percentage of decomposer taxa	%SRT =	52
Number of decomposer individuals	NRT =	118
Percentage of decomposer individuals	%NRT =	68
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	11
Number of 'dry' decomposer individuals	NRD =	43
Percentage of 'dry'decomposer individuals	%NRD =	25
Number of 'foul' decomposer taxa	SRF =	6
Percentage of 'foul' decomposer taxa	%SRF =	10
Number of 'foul' decomposer individuals	NRF =	12
Percentage of 'foul' decomposer individuals	%NRF =	7
Index of diversity of decomposer component	alpha RT =	15
Standard error	SE alpha RT =	2
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	17
Percentage of uncoded individuals	PNU =	21

Context: 1359B Sample: 39/2 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Atomaria sp.	13	8	1	rd
Lathridius minutus group	12	7	2	rd
Carpelimus fuliginosus (Gravenhorst)	10	6	3	u
Oxytelus sculptus Gravenhorst	10	6	3	rt
Ptenidium ?pusillum (Gyllenhal)	7	4	5	rt
Anthicus sp.	7	4	5	rt
Xylodromus concinnus (Marsham)	6	3	7	rt
Cryptophagus scutellatus Newman	6	3	7	rd
Aglenus brunneus (Gyllenhal)	6	3	7	rt
Cercyon analis (Paykull)	5	3	10	rt
Lithocharis sp.	5	3	10	rt
Aleocharinae sp. A	5	3	10	u
Anobium punctatum (Degeer)	5	3	10	l
Cercyon ?atricapillus (Marsham)	4	2	14	rf
Falagria sp.	4	2	14	rt
Tipnus unicolor (Piller & Mitterpacher)	4	2	14	rd
Cryptophagus sp.	4	2	14	rd
Platystethus arenarius (Fourcroy)	3	2	18	rf
Philonthus sp. A	3	2	18	u
Aleocharinae sp. B	3	2	18	u
Cercyon ?haemorrhoidalis (Fabricius)	2	1	21	rf
Omaliinae sp.	2	1	21	u
Carpelimus ?bilineatus Stephens	2	1	21	rt
Stenus sp. A	2	1	21	u
Philonthus sp. B	2	1	21	u
Ptinus fur (Linnaeus)	2	1	21	rd
Lyctus sp.	2	1	21	l
Mycetaea hirta (Marsham)	2	1	21	rd
Auchenorhyncha sp.	1	1	29	oa p
Bembidion sp.	1	1	29	oa
?Laemostenus terricola (Herbst)	1	1	29	u
Carabidae sp.	1	1	29	ob
Helophorus sp.	1	1	29	oa w
Cercyon terminatus (Marsham)	1	1	29	rf

continued...

Cercyon unipunctatus (Linnaeus)	1	1	29	rf
Megasternum obscurum (Marsham)	1	1	29	rt
?Anacaena sp.	1	1	29	oa w
Acrotrichis sp.	1	1	29	rt
Micropeplus porcatus (Paykull)	1	1	29	rt
Omalium sp.	1	1	29	rt
Anotylus complanatus (Erichson)	1	1	29	rt
Anotylus nitidulus (Gravenhorst)	1	1	29	rt d
Stenus sp. B	1	1	29	u
Leptacinus sp.	1	1	29	rt
Gyrohypnus angustatus Stephens	1	1	29	rt
Xantholinus sp.	1	1	29	u
Neobisnius sp.	1	1	29	u
Quedius cinctus (Paykull)	1	1	29	rt
Tachinus subterraneus (Linnaeus)	1	1	29	u
Aleocharinae sp. C	1	1	29	u
Aleocharinae sp. D	1	1	29	u
Aleocharinae sp. E	1	1	29	u
Aleocharinae sp. F	1	1	29	u
Aphodius sp.	1	1	29	ob rf
Cyphon sp.	1	1	29	oa d
Elateridae sp.	1	1	29	ob
?Brachypterus sp.	1	1	29	oa p
Meligethes sp.	1	1	29	oa p
Monotoma ?bicolor Villa	1	1	29	rt
Monotoma longicollis (Gyllenhall)	1	1	29	rt
Bruchinae sp.	1	1	29	u
Apion sp.	1	1	29	oa p
Sitona sp.	1	1	29	oa p

Context: 1359C Sample: 40/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	137
Number of taxa	S =	54
Index of diversity (alpha)	alpha =	33
Standard error of alpha	SE alpha =	5
Number of 'certain' outdoor taxa	SOA =	4
Percentage of 'certain' outdoor taxa	%SOA =	7
Number of 'certain' outdoor individuals	NOA =	4
Percentage of 'certain' outdoor individuals	%NOA =	3
Number of 'certain' and probable outdoor taxa	SOB =	6
Percentage of 'certain' and probable outdoor taxa	%SOB =	11
Number of 'certain' and probable outdoor individuals	NOB =	6
Percentage 'certain' and probable outdoor individuals	%NOB =	4
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	2
Percentage of strongly plant-associated taxa	%SP =	4
Number of strongly plant-associated individuals	NP =	2
Percentage of strongly plant-associated individuals	%NP =	1
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1

continued...

Number of wood-associated individuals	NL =	3
Percentage of wood-associated individuals	%NL =	2
Number of decomposer taxa	SRT =	36
Percentage of decomposer taxa	%SRT =	67
Number of decomposer individuals	NRT =	102
Percentage of decomposer individuals	%NRT =	74
Number of 'dry' decomposer taxa	SRD =	10
Percentage of 'dry'decomposer taxa	%SRD =	19
Number of 'dry' decomposer individuals	NRD =	45
Percentage of 'dry'decomposer individuals	%NRD =	33
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	6
Number of 'foul' decomposer individuals	NRF =	9
Percentage of 'foul' decomposer individuals	%NRF =	7
Index of diversity of decomposer component	alpha RT =	20
Standard error	SE alpha RT =	3
Number of individuals of grain pests	NG =	4
Percentage of individuals of grain pests	%NG =	3
Number of individuals of grain pests	NG =	4
Number of uncoded taxa	SU =	10
Percentage of uncoded individuals	PNU =	16

Context: 1359C Sample: 40/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Mycetaea hirta (Marsham)	14	10	1	rd
Ptenidium ?pusillum (Gyllenhal)	12	9	2	rt
Tipnus unicolor (Piller & Mitterpacher)	8	6	3	rd
Cercyon analis (Paykull)	6	4	4	rt
Cercyon ?atricapillus (Marsham)	5	4	5	rf
Philonthus sp. A	5	4	5	u
Cryptophagus sp.	5	4	5	rd
Aleochara sp.	4	3	8	u
Lathridius minutus group	4	3	8	rd
Sitophilus granarius (Linnaeus)	4	3	8	g
Cercyon haemorrhoidalis (Fabricius)	3	2	11	rf
Oxytelus sculptus Gravenhorst	3	2	11	rt
Anobium punctatum (Degeer)	3	2	11	l
Ptinus fur (Linnaeus)	3	2	11	rd
Cryptophagus ?scutellatus Newman	3	2	11	rd
Atomaria sp. A	3	2	11	rd
Atomaria sp. B	3	2	11	rd
Bruchinae sp.	3	2	11	u
Omalium sp. A	2	1	19	rt
Carpelimus ?bilineatus Stephens	2	1	19	rt
Anotylus ?tetracarinatus (Block)	2	1	19	rt
Lithocharis sp.	2	1	19	rt
Gyrohypnus sp.	2	1	19	rt
Philonthus sp. B	2	1	19	u
Aleocharinae sp. A	2	1	19	u
Aleocharinae sp. B	2	1	19	u
Monotoma picipes Herbst	2	1	19	rt
Anthicus sp.	2	1	19	rt
Corixidae sp.	1	1	29	oa w
Bembidion harpaloides Seville	1	1	29	oa d
Pterostichus melanarius (Illiger)	1	1	29	ob
Carabidae sp.	1	1	29	ob
Acritus nigricornis (Hoffmann)	1	1	29	rt
Omalium sp. B	1	1	29	rt
Xylodromus concinnus (Marsham)	1	1	29	rt
Aploderus caelatus (Gravenhorst)	1	1	29	rt
Platystethus arenarius (Fourcroy)	1	1	29	rf

continued...

Anotylus complanatus (Erichson)	1	1	29	rt
Anotylus rugosus (Fabricius)	1	1	29	rt
Stenus sp.	1	1	29	u
Leptacinus sp.	1	1	29	rt
Neobisnius sp.	1	1	29	u
Creophilus maxillosus (Linnaeus)	1	1	29	rt
Falagria sp.	1	1	29	rt
Aleocharinae sp. C	1	1	29	u
Aleocharinae sp. D	1	1	29	u
Clambus sp.	1	1	29	rt
?Meligethes sp.	1	1	29	oa p
Monotoma longicollis (Gyllenhall)	1	1	29	rt
Monotoma spinicollis Aube	1	1	29	rt
Ephistemus globulus (Paykull)	1	1	29	rd
Corticariinae sp.	1	1	29	rt
Typhaea stercorea (Linnaeus)	1	1	29	rd
?Chrysomelinae sp.	1	1	29	oa p

Context: 1359C Sample: 40/6 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	80
Number of taxa	S =	51
Index of diversity (alpha)	alpha =	60
Standard error of alpha	SE alpha =	13
Number of 'certain' outdoor taxa	SOA =	6
Percentage of 'certain' outdoor taxa	%SOA =	12
Number of 'certain' outdoor individuals	NOA =	6
Percentage of 'certain' outdoor individuals	%NOA =	8
Number of 'certain' and probable outdoor taxa	SOB =	8
Percentage of 'certain' and probable outdoor taxa	%SOB =	16
Number of 'certain' and probable outdoor individuals	NOB =	8
Percentage 'certain' and probable outdoor individuals	%NOB =	10
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	3
Percentage of aquatic taxa	%SW =	6
Number of aquatic individuals	NW =	3
Percentage of aquatic individuals	%NW =	4
Number of damp ground/waterside taxa	SD =	0
Percentage of damp ground/waterside taxa	%SD =	0
Number of damp ground/waterside individuals	ND =	0
Percentage of damp ground/waterside individuals	%ND =	0
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	6
Number of strongly plant-associated individuals	NP =	3
Percentage of strongly plant-associated individuals	%NP =	4
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	3
Number of decomposer taxa	SRT =	26
Percentage of decomposer taxa	%SRT =	51
Number of decomposer individuals	NRT =	49
Percentage of decomposer individuals	%NRT =	61
Number of 'dry' decomposer taxa	SRD =	10
Percentage of 'dry'decomposer taxa	%SRD =	20
Number of 'dry' decomposer individuals	NRD =	20
Percentage of 'dry'decomposer individuals	%NRD =	25
Number of 'foul' decomposer taxa	SRF =	4
Percentage of 'foul' decomposer taxa	%SRF =	8

continued...

Number of 'foul' decomposer individuals	NRF =	8
Percentage of 'foul' decomposer individuals	%NRF =	10
Index of diversity of decomposer component	alpha RT =	23
Standard error	SE alpha RT =	6
Number of individuals of grain pests	NG =	3
Percentage of individuals of grain pests	%NG =	4
Number of individuals of grain pests	NG =	3
Number of uncoded taxa	SU =	15
Percentage of uncoded individuals	PNU =	24

Context: 1359C Sample: 40/6 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cercyon ?atricapillus (Marsham)	5	6	1	rf
Ptenidium sp.	4	5	2	rt
Tipnus unicolor (Piller & Mitterpacher)	4	5	2	rd
Atomaria sp. A	4	5	2	rd
Mycetaea hirta (Marsham)	4	5	2	rd
Philonthus sp. A	3	4	6	u
Philonthus sp. B	3	4	6	u
Sitophilus granarius (Linnaeus)	3	4	6	g
Cercyon analis (Paykull)	2	3	9	rt
Anotylus complanatus (Erichson)	2	3	9	rt
Anotylus rugosus (Fabricius)	2	3	9	rt
Oxytelus sculptus Gravenhorst	2	3	9	rt
?Falagria sp.	2	3	9	rt
Monotoma picipes Herbst	2	3	9	rt
Cryptophagus scutellatus Newman	2	3	9	rd
Pterostichus ?melanarius (Illiger)	1	1	16	ob
Helophorus sp.	1	1	16	oa w
Cercyon ?haemorrhoidalis (Fabricius)	1	1	16	rf
Cercyon unipunctatus (Linnaeus)	1	1	16	rf
?Hydrobius fuscipes (Linnaeus)	1	1	16	oa w
Histerinae sp.	1	1	16	u
Ochthebius sp.	1	1	16	oa w
Phyllodrepa floralis (Paykull)	1	1	16	rt
Omalium ?rivulare (Paykull)	1	1	16	rt
Omalium sp.	1	1	16	rt
Xylodromus concinnus (Marsham)	1	1	16	rt
Carpelimus sp. A	1	1	16	u
Carpelimus sp. B	1	1	16	u
Stenus sp.	1	1	16	u
Gyrohypnus sp.	1	1	16	rt
Neobisnius sp.	1	1	16	u
Philonthus sp. C	1	1	16	u
Staphylininae sp.	1	1	16	u
Tachinus sp.	1	1	16	u
Aleochara sp.	1	1	16	u
Aleocharinae sp. A	1	1	16	u
Aleocharinae sp. B	1	1	16	u
Aleocharinae sp. C	1	1	16	u
Aphodius sp.	1	1	16	ob rf
Anobium punctatum (Degeer)	1	1	16	l
Ptinus ?fur (Linnaeus)	1	1	16	rd
Lyctus sp.	1	1	16	l
Meligethes sp.	1	1	16	oa p
Cryptophagus sp.	1	1	16	rd
Atomaria sp. B	1	1	16	rd
Atomaria sp. C	1	1	16	rd
?Ephistemus globulus (Paykull)	1	1	16	rd
Lathridius minutus group	1	1	16	rd
Bruchinae sp.	1	1	16	u

continued...

Chrysomelinae sp.	1	1	16	oa p
Apion sp.	1	1	16	oa p

Context: 1359D Sample: 41/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	86
Number of taxa	S =	46
Index of diversity (alpha)	alpha =	40
Standard error of alpha	SE alpha =	8
Number of 'certain' outdoor taxa	SOA =	11
Percentage of 'certain' outdoor taxa	%SOA =	24
Number of 'certain' outdoor individuals	NOA =	13
Percentage of 'certain' outdoor individuals	%NOA =	15
Number of 'certain' and probable outdoor taxa	SOB =	11
Percentage of 'certain' and probable outdoor taxa	%SOB =	24
Number of 'certain' and probable outdoor individuals	NOB =	13
Percentage 'certain' and probable outdoor individuals	%NOB =	15
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	5
Percentage of aquatic taxa	%SW =	11
Number of aquatic individuals	NW =	7
Percentage of aquatic individuals	%NW =	8
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	7
Number of strongly plant-associated individuals	NP =	3
Percentage of strongly plant-associated individuals	%NP =	3
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	6
Percentage of wood-associated individuals	%NL =	7
Number of decomposer taxa	SRT =	25
Percentage of decomposer taxa	%SRT =	54
Number of decomposer individuals	NRT =	57
Percentage of decomposer individuals	%NRT =	66
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	11
Number of 'dry' decomposer individuals	NRD =	19
Percentage of 'dry'decomposer individuals	%NRD =	22
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	7
Number of 'foul' decomposer individuals	NRF =	11
Percentage of 'foul' decomposer individuals	%NRF =	13
Index of diversity of decomposer component	alpha RT =	17
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	8
Percentage of uncoded individuals	PNU =	12

Context: 1359D Sample: 41/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes

continued...

Lathridius minutus group	9	10	1	rd
Cercyon ?atricapillus (Marsham)	5	6	2	rf
Cercyon terminatus (Marsham)	5	6	2	rf
Anobium punctatum (Degeer)	5	6	2	l
Tipnus unicolor (Piller & Mitterpacher)	5	6	2	rd
Monotoma picipes Herbst	4	5	6	rt
Cercyon analis (Paykull)	3	3	7	rt
Ptenidium sp.	3	3	7	rt
Acrotrichis sp. A	3	3	7	rt
Helophorus sp.	2	2	10	oa w
Hydrobius fuscipes (Linnaeus)	2	2	10	oa w
Xylodromus concinnus (Marsham)	2	2	10	rt
Stenus sp.	2	2	10	u
Staphylininae sp. A	2	2	10	u
Cryptophagus sp. A	2	2	10	rd
Atomaria sp.	2	2	10	rd
Hemiptera sp.	1	1	17	u
Bembidion sp.	1	1	17	oa
Hydroporinae sp.	1	1	17	oa w
Helophorus aquaticus or grandis	1	1	17	oa w
Cercyon unipunctatus (Linnaeus)	1	1	17	rf
?Limnebius sp.	1	1	17	oa w
Acrotrichis sp. B	1	1	17	rt
Ptiliidae sp.	1	1	17	u
?Lesteva sp.	1	1	17	oa d
Omalium ?rivulare (Paykull)	1	1	17	rt
Anotylus ?complanatus (Erichson)	1	1	17	rt
Anotylus rugosus (Fabricius)	1	1	17	rt
Anotylus ?sculpturatus group	1	1	17	rt
Lithocharis sp.	1	1	17	rt
Gyrohypnus sp.	1	1	17	rt
Staphylininae sp. B	1	1	17	u
?Falagria sp.	1	1	17	rt
Aleocharinae sp. A	1	1	17	u
Aleocharinae sp. B	1	1	17	u
Lyctus sp.	1	1	17	l
Monotoma sp.	1	1	17	rt
Cryptophagus sp. B	1	1	17	rd
Corticariinae sp.A	1	1	17	rt
Corticariinae sp. B	1	1	17	rt
Anthicus sp.	1	1	17	rt
Bruchinae sp.	1	1	17	u
Halticinae sp.	1	1	17	oa p
Apion sp.	1	1	17	oa p
Ceutorhynchus sp.	1	1	17	oa p
Curculionidae sp.	1	1	17	oa

Context: 1359D Sample: 41/4 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	72
Number of taxa	S =	48
Index of diversity (alpha)	alpha =	63
Standard error of alpha	SE alpha =	14
Number of 'certain' outdoor taxa	SOA =	11
Percentage of 'certain' outdoor taxa	%SOA =	23
Number of 'certain' outdoor individuals	NOA =	11
Percentage of 'certain' outdoor individuals	%NOA =	15
Number of 'certain' and probable outdoor taxa	SOB =	12
Percentage of 'certain' and probable outdoor taxa	%SOB =	25
Number of 'certain' and probable outdoor individuals	NOB =	12
Percentage 'certain' and probable outdoor individuals	%NOB =	17

continued...

Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	4
Percentage of aquatic taxa	%SW =	8
Number of aquatic individuals	NW =	4
Percentage of aquatic individuals	%NW =	6
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	6
Percentage of strongly plant-associated taxa	%SP =	13
Number of strongly plant-associated individuals	NP =	6
Percentage of strongly plant-associated individuals	%NP =	8
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	3
Percentage of wood-associated individuals	%NL =	4
Number of decomposer taxa	SRT =	27
Percentage of decomposer taxa	%SRT =	56
Number of decomposer individuals	NRT =	49
Percentage of decomposer individuals	%NRT =	68
Number of 'dry' decomposer taxa	SRD =	8
Percentage of 'dry'decomposer taxa	%SRD =	17
Number of 'dry' decomposer individuals	NRD =	22
Percentage of 'dry'decomposer individuals	%NRD =	31
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	6
Number of 'foul' decomposer individuals	NRF =	5
Percentage of 'foul' decomposer individuals	%NRF =	7
Index of diversity of decomposer component	alpha RT =	25
Standard error	SE alpha RT =	6
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	8
Percentage of uncoded individuals	PNU =	13

Context: 1359D Sample: 41/4 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Ptenidium sp.	5	7	1	rt
Tipnus unicolor (Piller & Mitterpacher)	5	7	1	rd
Ptinus fur (Linnaeus)	5	7	1	rd
Lathridius minutus group	5	7	1	rd
Cercyon ?atricapillus (Marsham)	3	4	5	rf
Cercyon analis (Paykull)	2	3	6	rt
Acrotrichis sp. A	2	3	6	rt
Aleocharinae sp. A	2	3	6	u
Anobium punctatum (Degeer)	2	3	6	l
Cryptophagus sp.	2	3	6	rd
Dienerella sp.	2	3	6	rd
Auchenorhyncha sp. A	1	1	12	oa p
Auchenorhyncha sp. B	1	1	12	oa p
Helophorus grandis Illiger	1	1	12	oa w
Helophorus sp.	1	1	12	oa w
Cercyon terminatus (Marsham)	1	1	12	rf
Cercyon sp.	1	1	12	u
Hydrobius fuscipes (Linnaeus)	1	1	12	oa w
?Anacaena sp.	1	1	12	oa w
Acrotrichis sp. B	1	1	12	rt

continued...

Acidota crenata (Fabricius)	1	1	12	oa
Omalium ?rivulare (Paykull)	1	1	12	rt
Xylodromus concinnus (Marsham)	1	1	12	rt
Carpelimus sp.	1	1	12	u
Aploderus caelatus (Gravenhorst)	1	1	12	rt
Anotylus nitidulus (Gravenhorst)	1	1	12	rt d
Anotylus rugosus (Fabricius)	1	1	12	rt
Oxytelus sculptus Gravenhorst	1	1	12	rt
Leptacinus sp.	1	1	12	rt
Gyrohypnus punctulatus (Paykull)	1	1	12	rt
?Neobisnius sp.	1	1	12	u
Philonthus sp.	1	1	12	u
Tachinus sp.	1	1	12	u
Aleocharinae sp. B	1	1	12	u
Aphodius sp.	1	1	12	ob rf
Attagenus pellio (Linnaeus)	1	1	12	rd
Lyctus sp.	1	1	12	l
Monotoma picipes Herbst	1	1	12	rt
Atomaria sp.	1	1	12	rd
Orthoperus sp.	1	1	12	rt
Mycetaea hirta (Marsham)	1	1	12	rd
Corticariinae sp.	1	1	12	rt
Anthicus sp.	1	1	12	rt
Gastrophysa viridula (Degeer)	1	1	12	oa p
?Apion (Exapion) sp.	1	1	12	oa p
Apion sp.	1	1	12	oa p
Ceutorhynchus sp.	1	1	12	oa p
Coleoptera sp.	1	1	12	u

Context: 1359E Sample: 42/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	130
Number of taxa	S =	70
Index of diversity (alpha)	alpha =	62
Standard error of alpha	SE alpha =	9
Number of 'certain' outdoor taxa	SOA =	14
Percentage of 'certain' outdoor taxa	%SOA =	20
Number of 'certain' outdoor individuals	NOA =	15
Percentage of 'certain' outdoor individuals	%NOA =	12
Number of 'certain' and probable outdoor taxa	SOB =	17
Percentage of 'certain' and probable outdoor taxa	%SOB =	24
Number of 'certain' and probable outdoor individuals	NOB =	18
Percentage 'certain' and probable outdoor individuals	%NOB =	14
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	8
Percentage of aquatic taxa	%SW =	11
Number of aquatic individuals	NW =	9
Percentage of aquatic individuals	%NW =	7
Number of damp ground/waterside taxa	SD =	3
Percentage of damp ground/waterside taxa	%SD =	4
Number of damp ground/waterside individuals	ND =	3
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	1
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	1
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	2

continued...

Percentage of wood-associated individuals	%NL =	2
Number of decomposer taxa	SRT =	38
Percentage of decomposer taxa	%SRT =	54
Number of decomposer individuals	NRT =	81
Percentage of decomposer individuals	%NRT =	62
Number of 'dry' decomposer taxa	SRD =	11
Percentage of 'dry'decomposer taxa	%SRD =	16
Number of 'dry' decomposer individuals	NRD =	17
Percentage of 'dry'decomposer individuals	%NRD =	13
Number of 'foul' decomposer taxa	SRF =	5
Percentage of 'foul' decomposer taxa	%SRF =	7
Number of 'foul' decomposer individuals	NRF =	14
Percentage of 'foul' decomposer individuals	%NRF =	11
Index of diversity of decomposer component	alpha RT =	28
Standard error	SE alpha RT =	5
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	15
Percentage of uncoded individuals	PNU =	23

Context: 1359E Sample: 42/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Acrotrichis sp. A	13	10	1	rt
Cercyon ?atricapillus (Marsham)	8	6	2	rf
Neobisnius sp.	8	6	2	u
Ptenidium sp. A	5	4	4	rt
Aleocharinae sp. A	4	3	5	u
Aleocharinae sp. B	4	3	5	u
Monotoma picipes Herbst	4	3	5	rt
Cercyon ?haemorrhoidalis (Fabricius)	3	2	8	rf
Acrotrichis sp. B	3	2	8	rt
Xylodromus concinnus (Marsham)	3	2	8	rt
Anotylus rugosus (Fabricius)	3	2	8	rt
Tipnus unicolor (Piller & Mitterpacher)	3	2	8	rd
Atomaria sp. B	3	2	8	rd
Lathridius minutus group	3	2	8	rd
Helophorus sp.	2	2	15	oa w
Aploderus caelatus (Gravenhorst)	2	2	15	rt
Anotylus tetracarinatus (Block)	2	2	15	rt
Stenus sp. A	2	2	15	u
Philonthus sp. A	2	2	15	u
Anobium punctatum (Degeer)	2	2	15	l
Anthicus sp.	2	2	15	rt
Chartoscirta sp.	1	1	22	oa w
Corixidae sp.	1	1	22	oa w
Elaphrus sp.	1	1	22	oa d
Trechus obtusus or quadristriatus	1	1	22	oa
Bembidion sp.	1	1	22	oa
Carabidae sp. A	1	1	22	ob
Carabidae sp. B	1	1	22	ob
Hydroporinae sp.	1	1	22	oa w
Colymbetinae sp.	1	1	22	oa w
Helophorus ?grandis Illiger	1	1	22	oa w
Cercyon analis (Paykull)	1	1	22	rt
Cercyon terminatus (Marsham)	1	1	22	rf
Ochthebius sp.	1	1	22	oa w
Limnebius sp.	1	1	22	oa w
Ptenidium sp. B	1	1	22	rt
Ptiliidae sp.	1	1	22	u
Lesteva longoelytrata (Goeze)	1	1	22	oa d

continued...

Carpelimus ?bilineatus Stephens	1	1	22	rt
Carpelimus fuliginosus (Gravenhorst)	1	1	22	u
Platystethus arenarius (Fourcroy)	1	1	22	rf
Anotylus complanatus (Erichson)	1	1	22	rt
Anotylus nitidulus (Gravenhorst)	1	1	22	rt d
Stenus sp. B	1	1	22	u
Lithocharis sp.	1	1	22	rt
Leptacinus sp.	1	1	22	rt
Philonthus sp. B	1	1	22	u
Cilea silphoides (Linnaeus)	1	1	22	rt
?Falagria sp.	1	1	22	rt
Aleocharinae sp. C	1	1	22	u
Aleocharinae sp. D	1	1	22	u
Aleocharinae sp. E	1	1	22	u
Aleocharinae sp. F	1	1	22	u
Aphodius sp.	1	1	22	ob rf
?Attagenus pellio (Linnaeus)	1	1	22	rd
Monotoma longicollis (Gyllenhall)	1	1	22	rt
Cryptophagus scutellatus Newman	1	1	22	rd
Cryptophagus sp. A	1	1	22	rd
Cryptophagus sp. B	1	1	22	rd
Atomaria sp. A	1	1	22	rd
Ephistemus globulus (Paykull)	1	1	22	rd
Orthoperus sp.	1	1	22	rt
Mycetaea hirta (Marsham)	1	1	22	rd
Corticaria sp.	1	1	22	rt
Typhaea stercorea (Linnaeus)	1	1	22	rd
Aglenus brunneus (Gyllenhal)	1	1	22	rt
Bruchinae sp.	1	1	22	u
Phyllotreta nemorum group	1	1	22	oa p
Curculionidae sp.	1	1	22	oa
Coleoptera sp.	1	1	22	u

Context: 1359E Sample: 42/4 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	112
Number of taxa	S =	77
Index of diversity (alpha)	alpha =	108
Standard error of alpha	SE alpha =	21
Number of 'certain' outdoor taxa	SOA =	17
Percentage of 'certain' outdoor taxa	%SOA =	22
Number of 'certain' outdoor individuals	NOA =	18
Percentage of 'certain' outdoor individuals	%NOA =	16
Number of 'certain' and probable outdoor taxa	SOB =	19
Percentage of 'certain' and probable outdoor taxa	%SOB =	25
Number of 'certain' and probable outdoor individuals	NOB =	22
Percentage 'certain' and probable outdoor individuals	%NOB =	20
Index of diversity of outdoor component	alpha OB =	64
Standard error	SE alpha OB =	37
Number of aquatic taxa	SW =	7
Percentage of aquatic taxa	%SW =	9
Number of aquatic individuals	NW =	7
Percentage of aquatic individuals	%NW =	6
Number of damp ground/waterside taxa	SD =	3
Percentage of damp ground/waterside taxa	%SD =	4
Number of damp ground/waterside individuals	ND =	7
Percentage of damp ground/waterside individuals	%ND =	6
Number of strongly plant-associated taxa	SP =	7
Percentage of strongly plant-associated taxa	%SP =	9
Number of strongly plant-associated individuals	NP =	7
Percentage of strongly plant-associated individuals	%NP =	6

continued...

Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	4
Percentage of wood-associated individuals	%NL =	4
Number of decomposer taxa	SRT =	40
Percentage of decomposer taxa	%SRT =	52
Number of decomposer individuals	NRT =	68
Percentage of decomposer individuals	%NRT =	61
Number of 'dry' decomposer taxa	SRD =	10
Percentage of 'dry'decomposer taxa	%SRD =	13
Number of 'dry' decomposer individuals	NRD =	20
Percentage of 'dry'decomposer individuals	%NRD =	18
Number of 'foul' decomposer taxa	SRF =	5
Percentage of 'foul' decomposer taxa	%SRF =	6
Number of 'foul' decomposer individuals	NRF =	7
Percentage of 'foul' decomposer individuals	%NRF =	6
Index of diversity of decomposer component	alpha RT =	41
Standard error	SE alpha RT =	9
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	16
Percentage of uncoded individuals	PNU =	16

Context: 1359E Sample: 42/4 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Lathridius minutus group	7	6	1	rd
Monotoma picipes Herbst	6	5	2	rt
Cercyon ?atricapillus (Marsham)	3	3	3	rf
Ptenidium pusillum type (Gyllenhal)	3	3	3	rt
Xylodromus concinnus (Marsham)	3	3	3	rt
Carpelimus ?rivularis (Motschulsky)	3	3	3	ob d
Anobium punctatum (Degeer)	3	3	3	l
Cercyon analis (Paykull)	2	2	8	rt
Acrotrichis sp.	2	2	8	rt
Lesteva ?longoelytrata (Goeze)	2	2	8	oa d
Anotylus nitidulus (Gravenhorst)	2	2	8	rt d
Anotylus ?tetracarinatus (Block)	2	2	8	rt
Stenus sp. A	2	2	8	u
?Cordalia obscura (Gravenhorst)	2	2	8	rt
Aleocharinae sp. A	2	2	8	u
Tipnus unicolor (Piller & Mitterpacher)	2	2	8	rd
Monotoma longicollis (Gyllenhall)	2	2	8	rt
Atomaria sp. A	2	2	8	rd
Atomaria sp. B	2	2	8	rd
?Dienerella sp.	2	2	8	rd
Aglenus brunneus (Gyllenhal)	2	2	8	rt
Anthocoris sp.	1	1	22	oa p
Corixidae sp.	1	1	22	oa w
Bembidion sp. A	1	1	22	oa
Bembidion sp. B	1	1	22	oa
Carabidae sp.	1	1	22	ob
Hydroporinae sp.	1	1	22	oa w
Agabus sp.	1	1	22	oa w
Helophorus aquaticus or grandis	1	1	22	oa w
Helophorus sp.	1	1	22	oa w
Cercyon haemorrhoidalis (Fabricius)	1	1	22	rf
Cercyon terminatus (Marsham)	1	1	22	rf
Cercyon unipunctatus (Linnaeus)	1	1	22	rf

continued...

?Hydrobius fuscipes (Linnaeus)	1	1	22	oa w
Acritus nigricornis (Hoffmann)	1	1	22	rt
Hydraena sp.	1	1	22	oa w
Micropeplus fulvus Erichson	1	1	22	rt
Micropeplus porcatus (Paykull)	1	1	22	rt
Omalium sp. A	1	1	22	rt
Omalium sp. B	1	1	22	rt
Carpelimus bilineatus Stephens	1	1	22	rt
Carpelimus fuliginosus (Gravenhorst)	1	1	22	u
Carpelimus sp. A	1	1	22	u
Carpelimus sp. B	1	1	22	u
Aploderus caelatus (Gravenhorst)	1	1	22	rt
Platystethus arenarius (Fourcroy)	1	1	22	rf
Anotylus rugosus (Fabricius)	1	1	22	rt
Oxytelus sculptus Gravenhorst	1	1	22	rt
Stenus sp. B	1	1	22	u
Lithocharis sp.	1	1	22	rt
Phacophallus parumpunctatus (Gyllenhal)	1	1	22	rt
Neobisnius sp.	1	1	22	u
Philonthus sp. A	1	1	22	u
Philonthus sp. B	1	1	22	u
Staphylininae sp.	1	1	22	u
Tachinus laticollis or marginellus	1	1	22	u
Cilea silphoides (Linnaeus)	1	1	22	rt
Aleocharinae sp. B	1	1	22	u
Aleocharinae sp. C	1	1	22	u
Aleocharinae sp. D	1	1	22	u
Aleocharinae sp. E	1	1	22	u
Ptinus ?fur (Linnaeus)	1	1	22	rd
Meligethes sp.	1	1	22	oa p
Cryptophagus scutellatus Newman	1	1	22	rd
Cryptophagus sp.	1	1	22	rd
Atomaria sp. C	1	1	22	rd
Mycetaea hirta (Marsham)	1	1	22	rd
Enicmus sp.	1	1	22	rt
Corticariinae sp.	1	1	22	rt
Anthicus sp.	1	1	22	rt
Bruchinae sp.	1	1	22	u
Phyllotreta sp.	1	1	22	oa p
?Altica sp.	1	1	22	oa p
Apion sp. A	1	1	22	oa p
Apion sp. B	1	1	22	oa p
Hypera sp.	1	1	22	oa p
?Hylastes sp.	1	1	22	l

Context: 1359F Sample: 43/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	42
Number of taxa	S =	32
Index of diversity (alpha)	alpha =	61
Standard error of alpha	SE alpha =	21
Number of 'certain' outdoor taxa	SOA =	7
Percentage of 'certain' outdoor taxa	%SOA =	22
Number of 'certain' outdoor individuals	NOA =	8
Percentage of 'certain' outdoor individuals	%NOA =	19
Number of 'certain' and probable outdoor taxa	SOB =	7
Percentage of 'certain' and probable outdoor taxa	%SOB =	22
Number of 'certain' and probable outdoor individuals	NOB =	8
Percentage 'certain' and probable outdoor individuals	%NOB =	19
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1

continued...

Percentage of aquatic taxa	%SW =	3
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	2
Number of damp ground/waterside taxa	SD =	4
Percentage of damp ground/waterside taxa	%SD =	13
Number of damp ground/waterside individuals	ND =	5
Percentage of damp ground/waterside individuals	%ND =	12
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	9
Number of strongly plant-associated individuals	NP =	3
Percentage of strongly plant-associated individuals	%NP =	7
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	5
Number of decomposer taxa	SRT =	14
Percentage of decomposer taxa	%SRT =	44
Number of decomposer individuals	NRT =	22
Percentage of decomposer individuals	%NRT =	52
Number of 'dry' decomposer taxa	SRD =	6
Percentage of 'dry'decomposer taxa	%SRD =	19
Number of 'dry' decomposer individuals	NRD =	10
Percentage of 'dry'decomposer individuals	%NRD =	24
Number of 'foul' decomposer taxa	SRF =	1
Percentage of 'foul' decomposer taxa	%SRF =	3
Number of 'foul' decomposer individuals	NRF =	1
Percentage of 'foul' decomposer individuals	%NRF =	2
Index of diversity of decomposer component	alpha RT =	17
Standard error	SE alpha RT =	7
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	9
Percentage of uncoded individuals	PNU =	24

Context: 1359F Sample: 43/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Acrotrichis sp.	4	10	1	rt
Tipnus unicolor (Piller & Mitterpacher)	4	10	1	rd
Lesteva longoelytrata (Goeze)	2	5	3	oa d
Anotylus rugosus (Fabricius)	2	5	3	rt
Neobisnius sp.	2	5	3	u
Ptinus ?fur (Linnaeus)	2	5	3	rd
Trechus ?micros (Herbst)	1	2	7	u
Bembidion harpaloides Seville	1	2	7	oa d
Hydroporinae sp.	1	2	7	oa w
Cercyon ?atricapillus (Marsham)	1	2	7	rf
Cercyon sp.	1	2	7	u
?Catops sp.	1	2	7	u
Xylodromus concinnus (Marsham)	1	2	7	rt
Carpelimus bilineatus Stephens	1	2	7	rt
Anotylus ?nitidulus (Gravenhorst)	1	2	7	rt d
Leptacinus sp.	1	2	7	rt
Staphylininae sp.	1	2	7	u
?Falagria sp.	1	2	7	rt
Aleocharinae sp. A	1	2	7	u
Aleocharinae sp. B	1	2	7	u
Aleocharinae sp. C	1	2	7	u
Euplectini sp.	1	2	7	u

continued...

Anobium punctatum (Degeer)	1	2	7	l
Lyctus sp.	1	2	7	l
Cryptophagus sp.	1	2	7	rd
Atomaria sp.	1	2	7	rd
Lathridius minutus group	1	2	7	rd
Dienerella sp.	1	2	7	rd
Gastrophysa viridula (Degeer)	1	2	7	oa p
Notaris acridulus (Linnaeus)	1	2	7	oa d p
Ceutorhynchus sp.	1	2	7	oa p
Curculionidae sp.	1	2	7	oa

Context: 1359F Sample: 43/4 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	52
Number of taxa	S =	42
Index of diversity (alpha)	alpha =	100
Standard error of alpha	SE alpha =	34
Number of 'certain' outdoor taxa	SOA =	11
Percentage of 'certain' outdoor taxa	%SOA =	26
Number of 'certain' outdoor individuals	NOA =	13
Percentage of 'certain' outdoor individuals	%NOA =	25
Number of 'certain' and probable outdoor taxa	SOB =	12
Percentage of 'certain' and probable outdoor taxa	%SOB =	29
Number of 'certain' and probable outdoor individuals	NOB =	14
Percentage 'certain' and probable outdoor individuals	%NOB =	27
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	4
Percentage of aquatic taxa	%SW =	10
Number of aquatic individuals	NW =	4
Percentage of aquatic individuals	%NW =	8
Number of damp ground/waterside taxa	SD =	3
Percentage of damp ground/waterside taxa	%SD =	7
Number of damp ground/waterside individuals	ND =	3
Percentage of damp ground/waterside individuals	%ND =	6
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	7
Number of strongly plant-associated individuals	NP =	5
Percentage of strongly plant-associated individuals	%NP =	10
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	4
Number of decomposer taxa	SRT =	16
Percentage of decomposer taxa	%SRT =	38
Number of decomposer individuals	NRT =	22
Percentage of decomposer individuals	%NRT =	42
Number of 'dry' decomposer taxa	SRD =	4
Percentage of 'dry'decomposer taxa	%SRD =	10
Number of 'dry' decomposer individuals	NRD =	6
Percentage of 'dry'decomposer individuals	%NRD =	12
Number of 'foul' decomposer taxa	SRF =	1
Percentage of 'foul' decomposer taxa	%SRF =	2
Number of 'foul' decomposer individuals	NRF =	1
Percentage of 'foul' decomposer individuals	%NRF =	2
Index of diversity of decomposer component	alpha RT =	27
Standard error	SE alpha RT =	13
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0

continued...

Number of uncoded taxa	SU =	12
Percentage of uncoded individuals	PNU =	27

Context: 1359F Sample: 43/4 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Carpelimus ?bilineatus Stephens	3	6	1	rt
Anotylus rugosus (Fabricius)	3	6	1	rt
Neobisnius sp.	3	6	1	u
Tipnus unicolor (Piller & Mitterpacher)	2	4	4	rd
Lathridius minutus group	2	4	4	rd
Apion sp.	2	4	4	oa p
?Ceutorhynchus sp.	2	4	4	oa p
Trechus obtusus or quadristriatus	1	2	8	oa
Helophorus sp. A	1	2	8	oa w
Helophorus sp. B	1	2	8	oa w
Cercyon sp.	1	2	8	u
?Hydrobius fuscipes (Linnaeus)	1	2	8	oa w
Ochthebius sp.	1	2	8	oa w
Ptenidium sp.	1	2	8	rt
?Acrotrichis sp.	1	2	8	rt
?Catops sp.	1	2	8	u
?Colon sp.	1	2	8	u
Megarthrus sp.	1	2	8	rt
Lesteva ?longoelytrata (Goeze)	1	2	8	oa d
Omalium sp.	1	2	8	rt
Xylodromus concinnus (Marsham)	1	2	8	rt
Platystethus arenarius (Fourcroy)	1	2	8	rf
Anotylus nitidulus (Gravenhorst)	1	2	8	rt d
?Rugilus sp.	1	2	8	rt
Staphylininae sp.	1	2	8	u
Tachinus sp.	1	2	8	u
Aleocharinae sp. A	1	2	8	u
Aleocharinae sp. B	1	2	8	u
Aleocharinae sp. C	1	2	8	u
?Cyphon sp.	1	2	8	oa d
?Elateridae sp.	1	2	8	ob
Anobium punctatum (Degeer)	1	2	8	l
Ptinus ?fur (Linnaeus)	1	2	8	rd
Lyctus sp.	1	2	8	l
Rhizophagus sp.	1	2	8	u
Monotoma sp.	1	2	8	rt
Atomaria sp.	1	2	8	rd
Corticariinae sp.	1	2	8	rt
Bruchinae sp.	1	2	8	u
Halticinae sp.	1	2	8	oa p
Curculionidae sp.	1	2	8	oa
Coleoptera sp.	1	2	8	u

Context: 1392A Sample: 44/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	59
Number of taxa	S =	43
Index of diversity (alpha)	alpha =	71
Standard error of alpha	SE alpha =	20
Number of 'certain' outdoor taxa	SOA =	9
Percentage of 'certain' outdoor taxa	%SOA =	21
Number of 'certain' outdoor individuals	NOA =	10
Percentage of 'certain' outdoor individuals	%NOA =	17

continued...

Number of 'certain' and probable outdoor taxa	SOB =	10
Percentage of 'certain' and probable outdoor taxa	%SOB =	23
Number of 'certain' and probable outdoor individuals	NOB =	11
Percentage 'certain' and probable outdoor individuals	%NOB =	19
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	3
Percentage of aquatic taxa	%SW =	7
Number of aquatic individuals	NW =	4
Percentage of aquatic individuals	%NW =	7
Number of damp ground/waterside taxa	SD =	3
Percentage of damp ground/waterside taxa	%SD =	7
Number of damp ground/waterside individuals	ND =	4
Percentage of damp ground/waterside individuals	%ND =	7
Number of strongly plant-associated taxa	SP =	3
Percentage of strongly plant-associated taxa	%SP =	7
Number of strongly plant-associated individuals	NP =	3
Percentage of strongly plant-associated individuals	%NP =	5
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	5
Percentage of wood-associated individuals	%NL =	8
Number of decomposer taxa	SRT =	24
Percentage of decomposer taxa	%SRT =	56
Number of decomposer individuals	NRT =	34
Percentage of decomposer individuals	%NRT =	58
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	16
Number of 'dry' decomposer individuals	NRD =	14
Percentage of 'dry'decomposer individuals	%NRD =	24
Number of 'foul' decomposer taxa	SRF =	2
Percentage of 'foul' decomposer taxa	%SRF =	5
Number of 'foul' decomposer individuals	NRF =	2
Percentage of 'foul' decomposer individuals	%NRF =	3
Index of diversity of decomposer component	alpha RT =	37
Standard error	SE alpha RT =	13
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	2
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	8
Percentage of uncoded individuals	PNU =	15

Context: 1392A Sample: 44/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Anobium punctatum (Degeer)	5	8	1	l
Tipnus unicolor (Piller & Mitterpacher)	3	5	2	rd
Helophorus sp.	2	3	3	oa w
Cercyon ?analis (Paykull)	2	3	3	rt
Carpelimus sp.	2	3	3	u
Anotylus nitidulus (Gravenhorst)	2	3	3	rt d
Cryptophagus sp.	2	3	3	rd
Atomaria sp. A	2	3	3	rd
Atomaria sp. B	2	3	3	rd
Atomaria sp. C	2	3	3	rd
Lathridius minutus group	2	3	3	rd
Anthicus sp.	2	3	3	rt
Anthocoris sp.	1	2	13	oa p
Corixidae sp.	1	2	13	oa w
Trechus obtusus or quadristriatus	1	2	13	oa
?Bradycellus sp.	1	2	13	oa

continued...

Agabus bipustulatus (Linnaeus)	1	2	13	oa w
Cercyon terminatus (Marsham)	1	2	13	rf
Megasternum obscurum (Marsham)	1	2	13	rt
Histerinae sp.	1	2	13	u
Ptenidium sp.	1	2	13	rt
Acrotrichis sp.	1	2	13	rt
Micropeplus ?fulvus Erichson	1	2	13	rt
Omalium sp.	1	2	13	rt
Xylodromus ?concinnus (Marsham)	1	2	13	rt
Carpelimus ?elongatulus (Erichson)	1	2	13	oa d
Anotylus rugosus (Fabricius)	1	2	13	rt
Lithocharis sp.	1	2	13	rt
?Neobisnius sp.	1	2	13	u
Quedius sp.	1	2	13	u
Staphylininae sp.	1	2	13	u
?Falagria sp.	1	2	13	rt
Aleocharinae sp. A	1	2	13	u
Aleocharinae sp. B	1	2	13	u
Aleocharinae sp. C	1	2	13	u
Aphodius sp.	1	2	13	ob rf
Ptinus ?fur (Linnaeus)	1	2	13	rd
Corticaria sp. A	1	2	13	rt
Corticaria sp. B	1	2	13	rt
Corticaria sp. C	1	2	13	rt
Phyllotreta sp.	1	2	13	oa p
Sitophilus granarius (Linnaeus)	1	2	13	g
Notaris acridulus (Linnaeus)	1	2	13	oa d p

Context: 1384 Sample: 47/T1 - beetle/bug main statistics

Erosion = 4 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	42
Number of taxa	S =	20
Index of diversity (alpha)	alpha =	15
Standard error of alpha	SE alpha =	4
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	5
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	2
Number of 'certain' and probable outdoor taxa	SOB =	1
Percentage of 'certain' and probable outdoor taxa	%SOB =	5
Number of 'certain' and probable outdoor individuals	NOB =	1
Percentage 'certain' and probable outdoor individuals	%NOB =	2
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	0
Percentage of damp ground/waterside taxa	%SD =	0
Number of damp ground/waterside individuals	ND =	0
Percentage of damp ground/waterside individuals	%ND =	0
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	5
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	5

continued...

Number of decomposer taxa	SRT =	9
Percentage of decomposer taxa	%SRT =	45
Number of decomposer individuals	NRT =	30
Percentage of decomposer individuals	%NRT =	71
Number of 'dry' decomposer taxa	SRD =	3
Percentage of 'dry'decomposer taxa	%SRD =	15
Number of 'dry' decomposer individuals	NRD =	3
Percentage of 'dry'decomposer individuals	%NRD =	7
Number of 'foul' decomposer taxa	SRF =	0
Percentage of 'foul' decomposer taxa	%SRF =	0
Number of 'foul' decomposer individuals	NRF =	0
Percentage of 'foul' decomposer individuals	%NRF =	0
Index of diversity of decomposer component	alpha RT =	4
Standard error	SE alpha RT =	1
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	2
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	8
Percentage of uncoded individuals	PNU =	19

Context: 1384 Sample: 47/T1 - species list in rank order

NOTE: this list includes 'semi-quantitative' records, marked by '*' in the first column of the comment following a record.

Taxon	Number	%	Rank	Ecodes
Anotylus rugosus (Fabricius)*	15	36	1	rt
Carpelimus bilineatus Stephens*	6	14	2	rt
Ptenidium sp.	3	7	3	rt
Anobium punctatum (Degeer)	2	5	4	l
Cercyon analis (Paykull)	1	2	5	rt
Cercyon sp.	1	2	5	u
Catops sp.	1	2	5	u
Omalium sp.	1	2	5	rt
Carpelimus sp.	1	2	5	u
Neobisnius ?villosulus (Stephens)	1	2	5	u
Philonthus sp.	1	2	5	u
Aleocharinae sp. A	1	2	5	u
Aleocharinae sp. B	1	2	5	u
Aleocharinae sp. C	1	2	5	u
Tipnus unicolor (Piller & Mitterpacher)	1	2	5	rd
Monotoma spinicollis Aube	1	2	5	rt
Cryptophagus scutellatus Newman	1	2	5	rd
Atomaria sp.	1	2	5	rd
Apion sp.	1	2	5	oa p
Sitophilus granarius (Linnaeus)	1	2	5	g

Context: 1384 Sample: 47/T2 - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as	N =	61
Number of taxa	S =	28
Index of diversity (alpha)	alpha =	20
Standard error of alpha	SE alpha =	4
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	7
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	3
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	7

continued...

Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	3
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	4
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	4
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	1
Percentage of wood-associated individuals	%NL =	2
Number of decomposer taxa	SRT =	14
Percentage of decomposer taxa	%SRT =	50
Number of decomposer individuals	NRT =	47
Percentage of decomposer individuals	%NRT =	77
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	18
Number of 'dry' decomposer individuals	NRD =	8
Percentage of 'dry'decomposer individuals	%NRD =	13
Number of 'foul' decomposer taxa	SRF =	2
Percentage of 'foul' decomposer taxa	%SRF =	7
Number of 'foul' decomposer individuals	NRF =	2
Percentage of 'foul' decomposer individuals	%NRF =	3
Index of diversity of decomposer component	alpha RT =	7
Standard error	SE alpha RT =	2
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	2
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	10
Percentage of uncoded individuals	PNU =	16

Context: 1384 Sample: 47/T2 - species list in rank order

NOTE: this list includes 'semi-quantitative' records, marked by '*' in the first column of the comment following a record.

Taxon	Number	%	Rank	Ecodes
Carpelimus bilineatus Stephens*	15	25	1	rt
Anotylus rugosus (Fabricius)*	15	25	1	rt
Ptenidium sp.	3	5	3	rt
Tipnus unicolor (Piller & Mitterpacher)	3	5	3	rd
Cryptophagus sp. B	2	3	5	rd
Trechus quadristriatus (Schrank)	1	2	6	oa
Cercyon analis (Paykull)	1	2	6	rt
Cercyon ?atricapillus (Marsham)	1	2	6	rf
Ptiliidae sp.	1	2	6	u
Coprophilus striatulus (Fabricius)	1	2	6	rt
Platystethus arenarius (Fourcroy)	1	2	6	rf
Anotylus nitidulus (Gravenhorst)	1	2	6	rt d
Anotylus tetracarinatus (Block)	1	2	6	rt
Stenus sp.	1	2	6	u
Neobisnius ?villosulus (Stephens)	1	2	6	u

continued...

Philonthus sp.	1	2	6	u
Staphylininae sp.	1	2	6	u
Staphylininae sp. B	1	2	6	u
Aleocharinae sp.	1	2	6	u
Pselaphidae sp.	1	2	6	u
Anobium punctatum (Degeer)	1	2	6	l
Cryptophagus sp. A	1	2	6	rd
Atomaria sp.	1	2	6	rd
Lathridius minutus group	1	2	6	rd
Apion sp.	1	2	6	oa p
Sitophilus granarius (Linnaeus)	1	2	6	g
Coleoptera sp. A	1	2	6	u
Coleoptera sp. B	1	2	6	u

Context: 1437 Sample: 49/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N = 6
Number of taxa	S = 6

Context: 1437 Sample: 49/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Carabidae sp.	1	17	1	ob
Carpelimus sp.	1	17	1	u
Staphylininae sp.	1	17	1	u
Trichonyx sulcicollis (Reichenbach)	1	17	1	u
Anobium punctatum (Degeer)	1	17	1	l
Tipnus unicolor (Piller & Mitterpacher)	1	17	1	rd

Context: 1450 Sample: 50/T1 - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N = 8
Number of taxa	S = 8

Context: 1450 Sample: 50/T1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp. A	1	13	1	oa w
Helophorus sp. B	1	13	1	oa w
Aleocharinae sp.	1	13	1	u
Elateridae sp.	1	13	1	ob
Anobium punctatum (Degeer)	1	13	1	l
Tipnus unicolor (Piller & Mitterpacher)	1	13	1	rd
Oryzaephilus surinamensis (Linnaeus)	1	13	1	g
Phyllotreta nemorum group	1	13	1	oa p

Context: 1450 Sample: 50/T2 - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N = 6
Number of taxa	S = 6

continued...

Context: 1450 Sample: 50/T2 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Anobium punctatum (Degeer)	1	17	1	l
Tipnus unicolor (Piller & Mitterpacher)	1	17	1	rd
Atomaria sp.	1	17	1	rd
Lathridius minutus group	1	17	1	rd
Coleoptera sp. A	1	17	1	u
Coleoptera sp. B	1	17	1	u

Context: 1456B Sample: 51/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as	N =	8
Number of taxa	S =	7

Context: 1456B Sample: 51/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Anobium punctatum (Degeer)	2	25	1	l
Cercyon atricapillus (Marsham)	1	13	2	rf
?Omalium sp.	1	13	2	rt
Gyrohypnus sp.	1	13	2	rt
Aleocharinae sp.	1	13	2	u
Tipnus unicolor (Piller & Mitterpacher)	1	13	2	rd
Cryptophagus sp.	1	13	2	rd

Context: 1456B Sample: 51/T2 - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	18
Number of taxa	S =	17
Index of diversity not calculated, n = s or n < 20		
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	12
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	11
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	12
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	11
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	6
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	6
Number of damp ground/waterside taxa	SD =	0
Percentage of damp ground/waterside taxa	%SD =	0
Number of damp ground/waterside individuals	ND =	0
Percentage of damp ground/waterside individuals	%ND =	0
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0

continued...

Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	2
Percentage of wood-associated individuals	%NL =	11
Number of decomposer taxa	SRT =	9
Percentage of decomposer taxa	%SRT =	53
Number of decomposer individuals	NRT =	10
Percentage of decomposer individuals	%NRT =	56
Number of 'dry' decomposer taxa	SRD =	4
Percentage of 'dry'decomposer taxa	%SRD =	24
Number of 'dry' decomposer individuals	NRD =	5
Percentage of 'dry'decomposer individuals	%NRD =	28
Number of 'foul' decomposer taxa	SRF =	0
Percentage of 'foul' decomposer taxa	%SRF =	0
Number of 'foul' decomposer individuals	NRF =	0
Percentage of 'foul' decomposer individuals	%NRF =	0
Diversity index for RT not calculated, NRT = SRT or NRT < 20		
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	4
Percentage of uncoded individuals	PNU =	22

continued...

Context: 1456B Sample: 51/T2 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Lathridius minutus group	2	11	1	rd
Helophorus sp.	1	6	2	oa w
Cercyon sp.	1	6	2	u
Acritus nigricornis (Hoffmann)	1	6	2	rt
Omalium sp.	1	6	2	rt
Xylodromus concinnus (Marsham)	1	6	2	rt
Coprophilus striatulus (Fabricius)	1	6	2	rt
Staphylininae sp.	1	6	2	u
Cordalia obscura (Gravenhorst)	1	6	2	rt
Aleocharinae sp. A	1	6	2	u
Aleocharinae sp. B	1	6	2	u
Anobium punctatum (Degeer)	1	6	2	l
Tipnus unicolor (Piller & Mitterpacher)	1	6	2	rd
Lyctus linearis (Goeze)	1	6	2	l
Cryptophagus sp.	1	6	2	rd
Cryptophagus sp. B	1	6	2	rd
Curculionidae sp.	1	6	2	oa

Context: 1470 Sample: 53/T1 - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	18
Number of taxa	S =	11
Index of diversity not calculated, n = s or n < 20		
Number of 'certain' outdoor taxa	SOA =	0
Percentage of 'certain' outdoor taxa	%SOA =	0
Number of 'certain' outdoor individuals	NOA =	0
Percentage of 'certain' outdoor individuals	%NOA =	0
Number of 'certain' and probable outdoor taxa	SOB =	1
Percentage of 'certain' and probable outdoor taxa	%SOB =	9
Number of 'certain' and probable outdoor individuals	NOB =	1
Percentage 'certain' and probable outdoor individuals	%NOB =	6
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	0
Percentage of damp ground/waterside taxa	%SD =	0
Number of damp ground/waterside individuals	ND =	0
Percentage of damp ground/waterside individuals	%ND =	0
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	1
Percentage of wood-associated individuals	%NL =	6
Number of decomposer taxa	SRT =	6
Percentage of decomposer taxa	%SRT =	55
Number of decomposer individuals	NRT =	12
Percentage of decomposer individuals	%NRT =	67
Number of 'dry' decomposer taxa	SRD =	2
Percentage of 'dry'decomposer taxa	%SRD =	18
Number of 'dry' decomposer individuals	NRD =	3

continued...

Percentage of 'dry'decomposer individuals	%NRD =	17
Number of 'foul' decomposer taxa	SRF =	1
Percentage of 'foul' decomposer taxa	%SRF =	9
Number of 'foul' decomposer individuals	NRF =	1
Percentage of 'foul' decomposer individuals	%NRF =	6
Diversity index for RT not calculated, NRT = SRT or NRT < 20		
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	3
Percentage of uncoded individuals	PNU =	22

Context: 1470 Sample: 53/T1 - species list in rank order

NOTE: this list includes 'semi-quantitative' records, marked by '*' in the first column of the comment following a record.

Taxon	Number	%	Rank	Ecodes
Coprophilus striatulus (Fabricius)*	6	33	1	rt
Aleocharinae sp.	2	11	2	u
Tipnus unicolor (Piller & Mitterpacher)	2	11	2	rd
Trechus micros (Herbst)	1	6	4	u
Carabidae sp.	1	6	4	ob
Platystethus arenarius (Fourcroy)	1	6	4	rf
Gyrohypnus sp.	1	6	4	rt
?Neobisnius sp.	1	6	4	u
Anobium punctatum (Degeer)	1	6	4	l
Ptinus sp.	1	6	4	rd
Monotoma ?picipes Herbst	1	6	4	rt

Context: 1470 Sample: 53/T2 - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	57
Number of taxa	S =	29
Index of diversity (alpha)	alpha =	24
Standard error of alpha	SE alpha =	5
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	3
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	2
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	7
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	4
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	0
Percentage of aquatic taxa	%SW =	0
Number of aquatic individuals	NW =	0
Percentage of aquatic individuals	%NW =	0
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	2
Number of strongly plant-associated taxa	SP =	0
Percentage of strongly plant-associated taxa	%SP =	0
Number of strongly plant-associated individuals	NP =	0
Percentage of strongly plant-associated individuals	%NP =	0
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0

continued...

Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	1
Percentage of wood-associated individuals	%NL =	2
Number of decomposer taxa	SRT =	18
Percentage of decomposer taxa	%SRT =	62
Number of decomposer individuals	NRT =	37
Percentage of decomposer individuals	%NRT =	65
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	17
Number of 'dry' decomposer individuals	NRD =	6
Percentage of 'dry'decomposer individuals	%NRD =	11
Number of 'foul' decomposer taxa	SRF =	2
Percentage of 'foul' decomposer taxa	%SRF =	7
Number of 'foul' decomposer individuals	NRF =	3
Percentage of 'foul' decomposer individuals	%NRF =	5
Index of diversity of decomposer component	alpha RT =	14
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	8
Percentage of uncoded individuals	PNU =	30

Context: 1470 Sample: 53/T2 - species list in rank order

NOTE: this list includes 'semi-quantitative' records, marked by '*' in the first column of the comment following a record.

Taxon	Number	%	Rank	Ecodes
Coprophilus striatulus (Fabricius)*	15	26	1	rt
Euplectini sp. *	6	11	2	u
Trechus micros (Herbst)	3	5	3	u
Anotylus rugosus (Fabricius)	3	5	3	rt
Neobisnius ?villosulus (Stephens)	3	5	3	u
Cercyon analis (Paykull)	2	4	6	rt
Cercyon atricapillus (Marsham)	2	4	6	rf
Tipnus unicolor (Piller & Mitterpacher)	2	4	6	rd
Bembidion sp.	1	2	9	oa
Pterostichus melanarius (Illiger)	1	2	9	ob
Phyllodrepa sp.	1	2	9	rt
Carpelimus sp.	1	2	9	u
Aploderus caelatus (Gravenhorst)	1	2	9	rt
Platystethus arenarius (Fourcroy)	1	2	9	rf
Anotylus complanatus (Erichson)	1	2	9	rt
Anotylus nitidulus (Gravenhorst)	1	2	9	rt d
Philonthus sp.	1	2	9	u
Cordalia obscura (Gravenhorst)	1	2	9	rt
Aleocharinae sp. A	1	2	9	u
Aleocharinae sp. B	1	2	9	u
Aleocharinae sp. C	1	2	9	u
Anobium punctatum (Degeer)	1	2	9	l
Ptinus fur (Linnaeus)	1	2	9	rd
Rhizophagus parallelocollis Gyllenhal	1	2	9	rt
Monotoma sp.	1	2	9	rt
?Cryptophagus sp.	1	2	9	rd
Cryptophagus sp. A	1	2	9	rd
Atomaria sp.	1	2	9	rd
Anthicus formicarius (Goeze)	1	2	9	rt

continued...

Context: 1447 Sample: 54/T1

NO RECORDS OF BEETLES OR BUGS

Context: 1447 Sample: 54/T2

NO RECORDS OF BEETLES OR BUGS

Context: 1479 Sample: 55/T1 - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	54
Number of taxa	S =	37
Index of diversity (alpha)	alpha =	51
Standard error of alpha	SE alpha =	14
Number of 'certain' outdoor taxa	SOA =	3
Percentage of 'certain' outdoor taxa	%SOA =	8
Number of 'certain' outdoor individuals	NOA =	3
Percentage of 'certain' outdoor individuals	%NOA =	6
Number of 'certain' and probable outdoor taxa	SOB =	5
Percentage of 'certain' and probable outdoor taxa	%SOB =	14
Number of 'certain' and probable outdoor individuals	NOB =	5
Percentage 'certain' and probable outdoor individuals	%NOB =	9
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	3
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	2
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	5
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	4
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	6
Percentage of wood-associated individuals	%NL =	11
Number of decomposer taxa	SRT =	22
Percentage of decomposer taxa	%SRT =	59
Number of decomposer individuals	NRT =	33
Percentage of decomposer individuals	%NRT =	61
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	14
Number of 'dry' decomposer individuals	NRD =	10
Percentage of 'dry'decomposer individuals	%NRD =	19
Number of 'foul' decomposer taxa	SRF =	2
Percentage of 'foul' decomposer taxa	%SRF =	5
Number of 'foul' decomposer individuals	NRF =	2
Percentage of 'foul' decomposer individuals	%NRF =	4
Index of diversity of decomposer component	alpha RT =	29
Standard error	SE alpha RT =	10
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	2
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	8
Percentage of uncoded individuals	PNU =	17

continued...

Context: 1479 Sample: 55/T1 - species list in rank order

NOTE: this list includes 'semi-quantitative' records, marked by '*' in the first column of the comment following a record.

Taxon	Number	%	Rank	Ecodes
Anobium punctatum (Degeer)*	6	11	1	l
Aglenus brunneus (Gyllenhal)*	6	11	1	rt
Atomaria sp.	3	6	3	rd
Cercyon ?analis (Paykull)	2	4	4	rt
Aleocharinae sp. B	2	4	4	u
Tipnus unicolor (Piller & Mitterpacher)	2	4	4	rd
Ptinus sp.	2	4	4	rd
Lathridius minutus group	2	4	4	rd
Carabidae sp.	1	2	9	ob
Helophorus sp.	1	2	9	oa w
Cercyon atricapillus (Marsham)	1	2	9	rf
Ptenidium ?punctatum (Gyllenhal)	1	2	9	rt
Ptenidium sp.	1	2	9	rt
Acrotrichis sp.	1	2	9	rt
Phyllodrepa sp.	1	2	9	rt
Omalium sp.	1	2	9	rt
Xylodromus ?concinnus (Marsham)	1	2	9	rt
Carpelimus bilineatus Stephens	1	2	9	rt
Carpelimus ?elongatulus (Erichson)	1	2	9	oa d
Carpelimus sp.	1	2	9	u
Platystethus arenarius (Fourcroy)	1	2	9	rf
Anotylus complanatus (Erichson)	1	2	9	rt
Anotylus nitidulus (Gravenhorst)	1	2	9	rt d
Anotylus sculpturatus group	1	2	9	rt
Leptacinus ?pusillus (Stephens)	1	2	9	rt
Gyrohypnus angustatus Stephens	1	2	9	rt
Neobisnius sp.	1	2	9	u
Staphylininae sp.	1	2	9	u
Cordalia obscura (Gravenhorst)	1	2	9	rt
Aleocharinae sp. A	1	2	9	u
Aleocharinae sp. C	1	2	9	u
Aleocharinae sp. D	1	2	9	u
?Elateridae sp.	1	2	9	ob
Meligethes sp.	1	2	9	oa p
Rhizophagus sp.	1	2	9	u
Cryptophagus ?scutellatus Newman	1	2	9	rd
Sitophilus granarius (Linnaeus)	1	2	9	g

Context: 1479 Sample: 55/T2 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	83
Number of taxa	S =	40
Index of diversity (alpha)	alpha =	31
Standard error of alpha	SE alpha =	6
Number of 'certain' outdoor taxa	SOA =	4
Percentage of 'certain' outdoor taxa	%SOA =	10
Number of 'certain' outdoor individuals	NOA =	4
Percentage of 'certain' outdoor individuals	%NOA =	5
Number of 'certain' and probable outdoor taxa	SOB =	5
Percentage of 'certain' and probable outdoor taxa	%SOB =	13
Number of 'certain' and probable outdoor individuals	NOB =	5
Percentage 'certain' and probable outdoor individuals	%NOB =	6
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1

continued...

Percentage of aquatic taxa	%SW =	3
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	3
Percentage of damp ground/waterside taxa	%SD =	8
Number of damp ground/waterside individuals	ND =	5
Percentage of damp ground/waterside individuals	%ND =	6
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	1
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	7
Percentage of wood-associated individuals	%NL =	8
Number of decomposer taxa	SRT =	26
Percentage of decomposer taxa	%SRT =	65
Number of decomposer individuals	NRT =	58
Percentage of decomposer individuals	%NRT =	70
Number of 'dry' decomposer taxa	SRD =	8
Percentage of 'dry'decomposer taxa	%SRD =	20
Number of 'dry' decomposer individuals	NRD =	23
Percentage of 'dry'decomposer individuals	%NRD =	28
Number of 'foul' decomposer taxa	SRF =	5
Percentage of 'foul' decomposer taxa	%SRF =	13
Number of 'foul' decomposer individuals	NRF =	6
Percentage of 'foul' decomposer individuals	%NRF =	7
Index of diversity of decomposer component	alpha RT =	18
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	1
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	7
Percentage of uncoded individuals	PNU =	16

Context: 1479 Sample: 55/T2 - species list in rank order

NOTE: this list includes 'semi-quantitative' records, marked by '*' in the first column of the comment following a record.

Taxon	Number	%	Rank	Ecodes
Ptenidium sp. *	6	7	1	rt
Aleocharinae sp. A *	6	7	1	u
Anobium punctatum (Degeer)*	6	7	1	l
Ptinus fur (Linnaeus)*	6	7	1	rd
Lathridius minutus group *	6	7	1	rd
Aglenus brunneus (Gyllenhal)*	6	7	1	rt
Anotylus nitidulus (Gravenhorst)	3	4	7	rt d
Tipnus unicolor (Piller & Mitterpacher)	3	4	7	rd
Atomaria sp.	3	4	7	rd
Cercyon terminatus (Marsham)	2	2	10	rf
Acritus nigricornis (Hoffmann)	2	2	10	rt
Anotylus rugosus (Fabricius)	2	2	10	rt
Staphylininae sp. A	2	2	10	u
Cypha sp.	2	2	10	rt
Falagria caesa or sulcatula	2	2	10	rt
Cryptophagus scutellatus Newman	2	2	10	rd
Bembidion sp.	1	1	17	oa
Helophorus sp.	1	1	17	oa w
Cercyon unipunctatus (Linnaeus)	1	1	17	rf

continued...

Cryptopleurum minutum (Fabricius)	1	1	17	rf
Phyllodrepa sp.	1	1	17	rt
Xylodromus concinnus (Marsham)	1	1	17	rt
Carpelimus elongatulus (Erichson)	1	1	17	oa d
Carpelimus ?fuliginosus (Gravenhorst)	1	1	17	u
Platystethus arenarius (Fourcroy)	1	1	17	rf
Anotylus tetracarinatus (Block)	1	1	17	rt
Stenus sp.	1	1	17	u
Leptacinus sp.	1	1	17	rt
Staphylininae sp. B	1	1	17	u
Aleocharinae sp. B	1	1	17	u
Aleocharinae sp. C	1	1	17	u
Aphodius or Colobopterus sp.	1	1	17	ob rf
Lyctus linearis (Goeze)	1	1	17	l
?Kateretes sp.	1	1	17	oa p d
Monotoma sp.	1	1	17	rt
Cryptophagus sp.	1	1	17	rd
Enicmus sp.	1	1	17	rt
Dienerella sp.	1	1	17	rd
Typhaea stercorea (Linnaeus)	1	1	17	rd
Sitophilus granarius (Linnaeus)	1	1	17	g

Context: 1505A Sample: 56/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	161
Number of taxa	S =	62
Index of diversity (alpha)	alpha =	37
Standard error of alpha	SE alpha =	5
Number of 'certain' outdoor taxa	SOA =	6
Percentage of 'certain' outdoor taxa	%SOA =	10
Number of 'certain' outdoor individuals	NOA =	6
Percentage of 'certain' outdoor individuals	%NOA =	4
Number of 'certain' and probable outdoor taxa	SOB =	8
Percentage of 'certain' and probable outdoor taxa	%SOB =	13
Number of 'certain' and probable outdoor individuals	NOB =	8
Percentage 'certain' and probable outdoor individuals	%NOB =	5
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	4
Percentage of strongly plant-associated taxa	%SP =	6
Number of strongly plant-associated individuals	NP =	4
Percentage of strongly plant-associated individuals	%NP =	2
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	4
Percentage of wood-associated individuals	%NL =	2
Number of decomposer taxa	SRT =	40
Percentage of decomposer taxa	%SRT =	65
Number of decomposer individuals	NRT =	107
Percentage of decomposer individuals	%NRT =	66
Number of 'dry' decomposer taxa	SRD =	9
Percentage of 'dry'decomposer taxa	%SRD =	15

continued...

Number of 'dry' decomposer individuals	NRD =	20
Percentage of 'dry'decomposer individuals	%NRD =	12
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	5
Number of 'foul' decomposer individuals	NRF =	6
Percentage of 'foul' decomposer individuals	%NRF =	4
Index of diversity of decomposer component	alpha RT =	23
Standard error	SE alpha RT =	4
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	14
Percentage of uncoded individuals	PNU =	27

Context: 1505A Sample: 56/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Aleochara sp.	15	9	1	u
Ptenidium ?pusillum (Gyllenhal)	11	7	2	rt
Philonthus sp. B	10	6	3	u
Phyllodrepa floralis (Paykull)	9	6	4	rt
?Phyllodrepa sp.	9	6	4	rt
Lathridius minutus group	6	4	6	rd
Anotylus sculpturatus group	5	3	7	rt
Oxytelus sculptus Gravenhorst	5	3	7	rt
Omalium sp. A	4	2	9	rt
Anobium punctatum (Degeer)	4	2	9	l
Cercyon analis (Paykull)	3	2	11	rt
Cercyon terminatus (Marsham)	3	2	11	rf
?Acrotrichis sp. A	3	2	11	rt
Leptacinus sp.	3	2	11	rt
Philonthus sp. A	3	2	11	u
Tipnus unicolor (Piller & Mitterpacher)	3	2	11	rd
Monotoma sp.	3	2	11	rt
Cryptophagus sp. A	3	2	11	rd
Enicmus sp.	3	2	11	rt
Cercyon ?atricapillus (Marsham)	2	1	20	rf
Acritus nigricornis (Hoffmann)	2	1	20	rt
Scydmaenidae sp.	2	1	20	u
Omalium sp. B	2	1	20	rt
Carpelimus ?bilineatus Stephens	2	1	20	rt
Anotylus nitidulus (Gravenhorst)	2	1	20	rt d
Aleocharinae sp. A	2	1	20	u
Aleocharinae sp. B	2	1	20	u
Ptinus ?fur (Linnaeus)	2	1	20	rd
Mycetaea hirta (Marsham)	2	1	20	rd
Corticaria sp.	2	1	20	rt
Anthicus sp.	2	1	20	rt
Bruchinae sp.	2	1	20	u
Trechus micros (Herbst)	1	1	33	u
Bembidion sp.	1	1	33	oa
Helophorus sp.	1	1	33	oa w
Hister merdarius Hoffman	1	1	33	rt
?Acrotrichis sp. B	1	1	33	rt
Xylodromus sp.	1	1	33	rt
Coprophilus striatulus (Fabricius)	1	1	33	rt
Carpelimus fuliginosus (Gravenhorst)	1	1	33	u
Anotylus complanatus (Erichson)	1	1	33	rt
Anotylus rugosus (Fabricius)	1	1	33	rt
Stenus sp.	1	1	33	u
?Rugilus sp.	1	1	33	rt
Gyrohypnus fracticornis (Muller)	1	1	33	rt

continued...

Tachyporus sp.	1	1	33	u
Tachinus subterraneus (Linnaeus)	1	1	33	u
Cordalia obscura (Gravenhorst)	1	1	33	rt
Aleocharinae sp. C	1	1	33	u
Aleocharinae sp. D	1	1	33	u
Aphodius sp.	1	1	33	ob rf
Anthocomus fasciatus (Linnaeus)	1	1	33	ob
Monotoma ?bicolor Villa	1	1	33	rt
Cryptophagus scutellatus Newman	1	1	33	rd
Cryptophagus sp. B	1	1	33	rd
Atomaria sp. A	1	1	33	rd
Atomaria sp. B	1	1	33	rd
Stephostethus angusticollis (Gyllenhal)	1	1	33	rt
Phyllotreta sp.	1	1	33	oa p
Apion sp.	1	1	33	oa p
Sitona sp.	1	1	33	oa p
Ceutorhynchus sp.	1	1	33	oa p

Context: 1505B Sample: 57/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	75
Number of taxa	S =	46
Index of diversity (alpha)	alpha =	50
Standard error of alpha	SE alpha =	11
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	4
Number of 'certain' outdoor individuals	NOA =	2
Percentage of 'certain' outdoor individuals	%NOA =	3
Number of 'certain' and probable outdoor taxa	SOB =	2
Percentage of 'certain' and probable outdoor taxa	%SOB =	4
Number of 'certain' and probable outdoor individuals	NOB =	2
Percentage 'certain' and probable outdoor individuals	%NOB =	3
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	1
Percentage of damp ground/waterside taxa	%SD =	2
Number of damp ground/waterside individuals	ND =	1
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	1
Percentage of strongly plant-associated taxa	%SP =	2
Number of strongly plant-associated individuals	NP =	1
Percentage of strongly plant-associated individuals	%NP =	1
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	1
Number of wood-associated individuals	NL =	1
Percentage of wood-associated individuals	%NL =	1
Number of decomposer taxa	SRT =	25
Percentage of decomposer taxa	%SRT =	54
Number of decomposer individuals	NRT =	40
Percentage of decomposer individuals	%NRT =	53
Number of 'dry' decomposer taxa	SRD =	5
Percentage of 'dry'decomposer taxa	%SRD =	11
Number of 'dry' decomposer individuals	NRD =	9
Percentage of 'dry'decomposer individuals	%NRD =	12
Number of 'foul' decomposer taxa	SRF =	0
Percentage of 'foul' decomposer taxa	%SRF =	0

continued...

Number of 'foul' decomposer individuals	NRF =	0
Percentage of 'foul' decomposer individuals	%NRF =	0
Index of diversity of decomposer component	alpha RT =	29
Standard error	SE alpha RT =	9
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	18
Percentage of uncoded individuals	PNU =	43

Context: 1505B Sample: 57/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Neobisnius sp.	6	8	1	u
Carpelimus bilineatus Stephens	5	7	2	rt
Omalium sp.	4	5	3	rt
Carpelimus fuliginosus (Gravenhorst)	4	5	3	u
Cercyon ?analis (Paykull)	3	4	5	rt
Philonthus sp. A	3	4	5	u
Atomaria sp.	3	4	5	rd
Ptenidium sp.	2	3	8	rt
Omalium ?rivulare (Paykull)	2	3	8	rt
Tachinus laticollis or marginellus	2	3	8	u
Aleochara sp.	2	3	8	u
Aleocharinae sp. A	2	3	8	u
Aleocharinae sp. B	2	3	8	u
Tipnus unicolor (Piller & Mitterpacher)	2	3	8	rd
Lathridius minutus group	2	3	8	rd
Helophorus sp.	1	1	16	oa w
Cercyon sp.	1	1	16	u
Megasternum obscurum (Marsham)	1	1	16	rt
Acritus nigricornis (Hoffmann)	1	1	16	rt
Histerinae sp.	1	1	16	u
Scydmaenidae sp.	1	1	16	u
Micropeplus fulvus Erichson	1	1	16	rt
Phyllodrepa floralis (Paykull)	1	1	16	rt
Coprophilus striatulus (Fabricius)	1	1	16	rt
Carpelimus sp.	1	1	16	u
Anotylus complanatus (Erichson)	1	1	16	rt
Anotylus nitidulus (Gravenhorst)	1	1	16	rt d
Anotylus rugosus (Fabricius)	1	1	16	rt
Anotylus sculpturatus group	1	1	16	rt
Anotylus ?tetracarinatus (Block)	1	1	16	rt
Oxytelus sculptus Gravenhorst	1	1	16	rt
Lathrobium sp.	1	1	16	u
Gyrohypnus fracticornis (Muller)	1	1	16	rt
Gyrohypnus sp.	1	1	16	rt
Philonthus sp. B	1	1	16	u
Tachinus ?signatus Gravenhorst	1	1	16	u
Autalia sp.	1	1	16	rt
Aleocharinae sp. C	1	1	16	u
Aleocharinae sp. D	1	1	16	u
Aleocharinae sp. E	1	1	16	u
Aleocharinae sp. F	1	1	16	u
Anobium punctatum (Degeer)	1	1	16	l
Ptinus ?fur (Linnaeus)	1	1	16	rd
Monotoma ?spinicollis Aube	1	1	16	rt
Cryptophagus ?scutellatus Newman	1	1	16	rd
Apion sp.	1	1	16	oa p

continued...

Context: 1505C Sample: 58/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	138
Number of taxa	S =	72
Index of diversity (alpha)	alpha =	61
Standard error of alpha	SE alpha =	9
Number of 'certain' outdoor taxa	SOA =	8
Percentage of 'certain' outdoor taxa	%SOA =	11
Number of 'certain' outdoor individuals	NOA =	8
Percentage of 'certain' outdoor individuals	%NOA =	6
Number of 'certain' and probable outdoor taxa	SOB =	10
Percentage of 'certain' and probable outdoor taxa	%SOB =	14
Number of 'certain' and probable outdoor individuals	NOB =	10
Percentage 'certain' and probable outdoor individuals	%NOB =	7
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	2
Percentage of aquatic taxa	%SW =	3
Number of aquatic individuals	NW =	2
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	2
Percentage of damp ground/waterside individuals	%ND =	1
Number of strongly plant-associated taxa	SP =	2
Percentage of strongly plant-associated taxa	%SP =	3
Number of strongly plant-associated individuals	NP =	2
Percentage of strongly plant-associated individuals	%NP =	1
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	3
Number of wood-associated individuals	NL =	11
Percentage of wood-associated individuals	%NL =	8
Number of decomposer taxa	SRT =	43
Percentage of decomposer taxa	%SRT =	60
Number of decomposer individuals	NRT =	91
Percentage of decomposer individuals	%NRT =	66
Number of 'dry' decomposer taxa	SRD =	10
Percentage of 'dry'decomposer taxa	%SRD =	14
Number of 'dry' decomposer individuals	NRD =	26
Percentage of 'dry'decomposer individuals	%NRD =	19
Number of 'foul' decomposer taxa	SRF =	3
Percentage of 'foul' decomposer taxa	%SRF =	4
Number of 'foul' decomposer individuals	NRF =	3
Percentage of 'foul' decomposer individuals	%NRF =	2
Index of diversity of decomposer component	alpha RT =	32
Standard error	SE alpha RT =	6
Number of individuals of grain pests	NG =	0
Percentage of individuals of grain pests	%NG =	0
Number of individuals of grain pests	NG =	0
Number of uncoded taxa	SU =	17
Percentage of uncoded individuals	PNU =	20

Context: 1505C Sample: 58/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Ptenidium ?pusillum (Gyllenhal)	8	6	1	rt
Anobium punctatum (Degeer)	8	6	1	l
Lathridius minutus group	8	6	1	rd
Aleocharinae sp. A	7	5	4	u

continued...

Carpelimus bilineatus Stephens	4	3	5	rt
Tipnus unicolor (Piller & Mitterpacher)	4	3	5	rd
Atomaria sp. A	4	3	5	rd
Mycetaea hirta (Marsham)	4	3	5	rd
Acritus nigricornis (Hoffmann)	3	2	9	rt
Phyllodrepa floralis (Paykull)	3	2	9	rt
Omalium ?allardi Fairmaire & Brisout	3	2	9	rt
Omalium ?rivulare (Paykull)	3	2	9	rt
Anotylus rugosus (Fabricius)	3	2	9	rt
Lithocharis sp.	3	2	9	rt
Philonthus sp. B	3	2	9	u
Philonthus sp. D	3	2	9	u
Hister merdarius Hoffman	2	1	17	rt
Xylodromus concinnus (Marsham)	2	1	17	rt
Anotylus complanatus (Erichson)	2	1	17	rt
Anotylus tetracarinatus (Block)	2	1	17	rt
Leptacinus sp.	2	1	17	rt
Gyrohypnus fracticornis (Muller)	2	1	17	rt
Grynobius planus (Fabricius)	2	1	17	l
Enicmus sp.	2	1	17	rt
Corticaria sp. A	2	1	17	rt
Aglenus brunneus (Gyllenhal)	2	1	17	rt
Anthicus floralis (Linnaeus)	2	1	17	rt
Dyschirius globosus (Herbst)	1	1	28	oa
Clivina ?fossor (Linnaeus)	1	1	28	oa
?Pterostichus sp.	1	1	28	ob
Helophorus sp.	1	1	28	oa w
Cercyon analis (Paykull)	1	1	28	rt
Cercyon ?atricapillus (Marsham)	1	1	28	rf
Cercyon ?terminatus (Marsham)	1	1	28	rf
Histerinae sp.	1	1	28	u
Ochthebius sp.	1	1	28	oa w
Ptenidium sp.	1	1	28	rt
Catops sp.	1	1	28	u
Coprophilus striatulus (Fabricius)	1	1	28	rt
Carpelimus elongatulus (Erichson)	1	1	28	oa d
Carpelimus sp.	1	1	28	u
Anotylus nitidulus (Gravenhorst)	1	1	28	rt d
Anotylus sculpturatus group	1	1	28	rt
Oxytelus sculptus Gravenhorst	1	1	28	rt
Stenus sp.	1	1	28	u
Neobisnius sp.	1	1	28	u
Philonthus sp. A	1	1	28	u
Philonthus sp. C	1	1	28	u
Tachyporus sp.	1	1	28	u
Tachinus subterraneus (Linnaeus)	1	1	28	u
Falagria sp.	1	1	28	rt
Aleocharinae sp. B	1	1	28	u
Aleocharinae sp. C	1	1	28	u
Aleocharinae sp. D	1	1	28	u
Euplectini sp.	1	1	28	u
Pselaphidae sp.	1	1	28	u
Aphodius ?granarius (Linnaeus)	1	1	28	ob rf
Clambus sp.	1	1	28	rt
Ptilinus pectinicornis (Linnaeus)	1	1	28	l
Ptinus fur (Linnaeus)	1	1	28	rd
Omosita discoidea (Fabricius)	1	1	28	rt
Monotoma picipes Herbst	1	1	28	rt
Cryptophagus ?scutellatus Newman	1	1	28	rd
Cryptophagus sp.	1	1	28	rd
Atomaria sp. B	1	1	28	rd
Atomaria sp. C	1	1	28	rd
Orthoperus sp.	1	1	28	rt
Dienerella sp.	1	1	28	rd

continued...

Corticaria sp. B	1	1	28	rt
Phyllobius oblongus (Linnaeus)	1	1	28	oa p
Ceutorhynchus sp.	1	1	28	oa p
Curculionidae sp.	1	1	28	oa

Context: 1664 Sample: 63/T

NO RECORDS OF BEETLES OR BUGS

Context: 1665 Sample: 68/T

NO RECORDS OF BEETLES OR BUGS

Context: 1774 Sample: 79/1 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	106
Number of taxa	S =	55
Index of diversity (alpha)	alpha =	46
Standard error of alpha	SE alpha =	8
Number of 'certain' outdoor taxa	SOA =	6
Percentage of 'certain' outdoor taxa	%SOA =	11
Number of 'certain' outdoor individuals	NOA =	6
Percentage of 'certain' outdoor individuals	%NOA =	6
Number of 'certain' and probable outdoor taxa	SOB =	9
Percentage of 'certain' and probable outdoor taxa	%SOB =	16
Number of 'certain' and probable outdoor individuals	NOB =	9
Percentage 'certain' and probable outdoor individuals	%NOB =	8
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	2
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	1
Number of damp ground/waterside taxa	SD =	3
Percentage of damp ground/waterside taxa	%SD =	5
Number of damp ground/waterside individuals	ND =	3
Percentage of damp ground/waterside individuals	%ND =	3
Number of strongly plant-associated taxa	SP =	4
Percentage of strongly plant-associated taxa	%SP =	7
Number of strongly plant-associated individuals	NP =	4
Percentage of strongly plant-associated individuals	%NP =	4
Number of heathland/moorland taxa	SM =	0
Number of heathland/moorland individuals	NM =	0
Percentage of heathland/moorland individuals	%NM =	0
Number of wood-associated taxa	SL =	2
Number of wood-associated individuals	NL =	6
Percentage of wood-associated individuals	%NL =	6
Number of decomposer taxa	SRT =	32
Percentage of decomposer taxa	%SRT =	58
Number of decomposer individuals	NRT =	69
Percentage of decomposer individuals	%NRT =	65
Number of 'dry' decomposer taxa	SRD =	7
Percentage of 'dry'decomposer taxa	%SRD =	13
Number of 'dry' decomposer individuals	NRD =	9
Percentage of 'dry'decomposer individuals	%NRD =	8
Number of 'foul' decomposer taxa	SRF =	2
Percentage of 'foul' decomposer taxa	%SRF =	4
Number of 'foul' decomposer individuals	NRF =	3
Percentage of 'foul' decomposer individuals	%NRF =	3
Index of diversity of decomposer component	alpha RT =	23

continued...

Standard error	SE alpha RT =	5
Number of individuals of grain pests	NG =	1
Percentage of individuals of grain pests	%NG =	1
Number of individuals of grain pests	NG =	1
Number of uncoded taxa	SU =	12
Percentage of uncoded individuals	PNU =	21

Context: 1774 Sample: 79/1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Ptenidium ?pusillum (Gyllenhal)	8	8	1	rt
Monotoma longicollis (Gyllenhall)	8	8	1	rt
Acritus nigricornis (Hoffmann)	6	6	3	rt
Carpelimus sp. A	5	5	4	u
Anobium punctatum (Degeer)	5	5	4	l
Leptacinus sp.	4	4	6	rt
Carpelimus sp. B	3	3	7	u
Lithocharis sp.	3	3	7	rt
Cordalia obscura (Gravenhorst)	3	3	7	rt
Euplectini sp.	3	3	7	u
Lathridius minutus group	3	3	7	rd
Anthicus sp.	3	3	7	rt
Cercyon analis (Paykull)	2	2	13	rt
Acrotrichis sp.	2	2	13	rt
Platystethus arenarius (Fourcroy)	2	2	13	rf
Anotylus complanatus (Erichson)	2	2	13	rt
Anotylus rugosus (Fabricius)	2	2	13	rt
Leptacinus batychrus (Gyllenhal)	2	2	13	rt
Philonthus sp. A	2	2	13	u
Aleocharinae sp. A	2	2	13	u
Enicmus sp.	2	2	13	rt
Carabidae sp.	1	1	22	ob
Helophorus sp.	1	1	22	oa w
Cercyon sp.	1	1	22	u
?Histerinae sp.	1	1	22	u
Xylodromus concinnus (Marsham)	1	1	22	rt
Omaliinae sp.	1	1	22	u
Platystethus nitens (Sahlberg)	1	1	22	oa d
Anotylus nitidulus (Gravenhorst)	1	1	22	rt d
Anotylus sculpturatus group	1	1	22	rt
?Phacophallus parumpunctatus (Gyllenhal)	1	1	22	rt
Philonthus sp. B	1	1	22	u
Tachyporus sp.	1	1	22	u
Aleocharinae sp. B	1	1	22	u
Pselaphidae sp.	1	1	22	u
Aphodius sp.	1	1	22	ob rf
Clambus sp.	1	1	22	rt
Cantharis or Rhagonycha sp.	1	1	22	ob
Tipnus unicolor (Piller & Mitterpacher)	1	1	22	rd
Monotoma sp.	1	1	22	rt
Cryptophagus sp. A	1	1	22	rd
Cryptophagus sp. B	1	1	22	rd
Atomaria sp.	1	1	22	rd
Orthoperus sp.	1	1	22	rt
Mycetaea hirta (Marsham)	1	1	22	rd
?Dienerella sp.	1	1	22	rd
Corticarina ?fuscula (Gyllenhal)	1	1	22	rt
Corticariinae sp.	1	1	22	rt
Aglenus brunneus (Gyllenhal)	1	1	22	rt
Apion sp.	1	1	22	oa p
Hypera sp.	1	1	22	oa p
Sitophilus granarius (Linnaeus)	1	1	22	g

continued...

?Notaris acridulus (Linnaeus)	1	1	22	oa d p
Ceutorhynchus sp.	1	1	22	oa p
Scolytidae sp.	1	1	22	l

Context: 1095 Sample: 91/T1 - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	1
Number of taxa	S =	1

Context: 1095 Sample: 91/T1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Staphylininae sp.	1	100	1	u

Context: 1095 Sample: 91/T2

NO RECORDS OF BEETLES OR BUGS

Appendix 5. Summary of main statistics for the scan-recorded assemblages from The Bedern, south-west Area X (1973-81.13 X) and north-east Areas II and IV (1976-81.14 II, IV). Key: N, S — means of sample values; PNOB etc. — percentages of main ecological categories (see Hall and Kenward 1990) calculated for the sum of records from all samples (rather than means of sample values); alpha, alpha OB, alpha RT — based on mean of sample values where the standard error is less than the value of alpha, the number of cases meeting this criterion being stated.

Statistic	All Areas	Area II (51	Area IV (18	Area X (75
N (concentration by NMI)	36.3	56.0	12.2	29.2
S number of taxa	19.0	30.4	8.3	14.0
alpha	45 (62 cases)	47 (33 cases)	46 (2 cases)	41 (27 cases)
PNOB	8.0	8.1	10.5	7.1
alpha OB	- (1 case)	- (1 case)	- (0 cases)	- (0 cases)
PNW	1.6	2.1	2.3	0.9
PND	1.8	2.3	1.4	1.2
PNP	2.7	2.6	1.8	2.9
PNM	0.0	0.0	0.0	0.0
PNL	5.6	4.2	18.2	6.4
PNG	2.9	1.3	1.8	5.1
PNRT	61.5	63.6	52.3	60.3
PNRD	23.8	20.2	27.3	28.4
PNRF	3.8	5.1	2.3	2.2
alpha RT	19 (55 cases)	22 (33 cases)	- (2 cases)	13 (20 cases)

Appendix 6. Identifications of timber samples from excavations at The Bedern, north-east (1976-81.14); most are from Area II.

This list contains all identifications of wood and timber specimens, whether artefacts, structural timbers or spot finds of wood from within deposits. * indicates identifications not made by ARH. Some samples were taken in anticipation of a date by dendrochronological means; an indication is given as to whether they were thought suitable or not.

Taxa recorded: *Alnus* = alder; *Betula* = birch; *Fraxinus* = ash; *Quercus* = oak; *Prunus* = cherry/plum/blackthorn; *Taxus* = yew

Area	Context	Find no.	Timber no.	Identification	Notes
?	0	0	8190	*Quercus*	*chest lid
?	A25	19	0	?*Betula*	*
?	A25	22	0	*Quercus*	*peg
II	1030	0	8000	*Quercus*	-
II	1030	0	8001	*Quercus*	-
II	1030	0	8002	*Quercus*	-
II	1030	0	8003	*Quercus*	-
II	1030	0	8004	*Quercus*	-
II	1030	0	8005	*Quercus*	-
II	1183	0	8006	*Quercus*	-
II	1183	0	8007	*Quercus*	-
II	1183	0	8009	*Quercus*	-
II	1183	0	8010	*Quercus*	-
II	1283	0	8011	*Quercus*	too small for dendro
II	1359 D	0	8012	*Quercus*	-
II	1359 E	0	8013	*Quercus*	context on label = 1409!
II	1359 E	279	0	*Taxus*	*awl
II	1359 E	286	0	*Fraxinus*	*bowl Fragments
II	1359 E	288	0	*Alnus*	*bowl fragments
II	1359 E	303	0	*Betula*	*decorated bowl Fragments
II	1359 G	295	0	*Betula*	*Find no. 295B; bowl Fragments
II	1359 G	295	0	*Alnus*	*Find no. 295A; bowl Fragments
II	1359 G	311	0	*Fraxinus*	*bowl
II	1359 G	312	0	*Fraxinus*	*platter
II	1409	0	8015	-	timber lost in store
II	1784 A	0	8014	*Quercus*	-
II	1784 B	731	0	*Quercus*	*
II	1784 B	685	0	*Quercus*	*
II	1784 B	0	8016	*Quercus*	-
II	1795	0	8017	*Quercus*	-
II	1795	0	8018	*Quercus*	-
II	1795	0	8019	*Quercus*	-
II	1795	0	8020	*Quercus*	-
II	1795	0	8021	*Quercus*	-
II	1795 A	0	8022	*Prunus*	-
II	1795 A	0	8023	*Alnus*	-
II	1795 A	0	8024	*Quercus*	-
II	1795	0	8025	*Quercus*	-
II	1795	0	8026	*Prunus*	-