Appendix 1

Results of parasite squashes

Results of survey of samples from Ribchester using the 'squash' method of Dainton (1992): number of eggs seen. Counts and measurements.

Context	SN	Trichuris	Ascaris	Context	SN	Trichuris	Ascaris
18	4519	0	0	256	4176P1	5	0
46	4551	0	0	256	4176P2	2+1?	0
48	4074	0	0	257	4178	0	0
53	4075	0	0	259	4648	1?	0
55	4713	0	0	259	4187	0	0
60	4148	0	0	266	4231	0	0
65	4032P1	1?	0	273	4191	0	0
65	4032P2	2	0	276	4251	0	0
78	4539	0	0	277	4200	0	0
91	4217	0	0	280	4195	0	0
107	4580P2	0	0	280	4219	0	0
107	4580P1	1	0	285	4206	0	0
110	4096	0	0	286	4258	0	0
117	4089	0	0	288	4198	0	0
121	4076	0	0	290	4772	1	0
121	4077	0	0	292	4212P2	0	0
124	4592	0	0	292	4212P1	1	0
127	4813	2	0	294	4215	0	0
130	4073	0	0	296	4221	0	0
131	4083	1	0	296	4229	0	0
135	4085	0	0	298	4245	0	0
136	4087	0	0	299	4247	1?	0
149	4158	0	0	300	4747	1	0
149	4155	0	0	301	4225	0	0
154	4090	0	0	302	4226	1	0
157	4093	0	0	305	4749	2?	0
163	4152	0	0	305	4237	0	0
174	4104	0	0	306	4240	0	0
202	4756	1?	0	307	4242	0	0
203	4112	0	0	308	4244	0	0
205	4787	0	0	310	4250	2	0
208	4253	0	0	324	4257	0	0
209	4143	0	0	326	4302	0	0
209	4116	0	0	327	4266	0	0
209	4144	1?	0	338	4275	0	0
210	4118	0	0	340	4278	0	0
215	4125	0	0	340	4281	0	0
216	4127	0	0	344	4287	1	0
218	4130	0	0	347	4378	0	0
218	4271	0	1?	353	4309	0	0
225	4140	0	0	357	4875	0	0
227	4134	0	0	370	4316	0	0
228	4160	2	0	374	4314	0	0
229	4135	24	0	375	4318	0	0
230	4138	118	33	385	4322	0	0
232	4146	12	1	391	4327	0	0
236	4154	0	0	394	4331	0	0
238	4167	0	0	395	4335	0	0
238	4168	0	0	397	4343	1+1?	0
243	4162	5	0	398	4370	0	0
243	4150	3+1?	0	401	4339	0	0
245	4677	0	0	403	4341	0	0
245	4174	0	0	404	4345	0	0
246	4751	0	0	405	4888	0	0
252	4164	0	0	407	4348	0	0
253	4170	3	0	413	4375	0	0
254	4172	0	0	414	4372	0	0

Context	SN	Trichuris	Ascaris	Context	SN	Trichuris	Ascaris
3416	4376	0	0	565	4655	0	0
418	4381	0	0	566	4642	0	0
420	4386	0	0	570	4647	0	0
426	4657	0	0	571	4659	0	0
426	4711	2	0	575	4653	0	0
429	4390	0	0	581	4670	0	0
432	4401	0	0	590	4676	0	0
443	4398	0	0	595	4679	0	0
446	4411	0	0	605	4689	0	0
450	4403	0	0	610	4694	0	0
460	4514	0	0	616	4697	0	0
465	4525	1?	0	620	4701	0	0
470	4598	0	0	623	4704	0	0
486	4549	0	0	630	4718	0	0
487	4540	0	0	645	4726	0	0
488	4527	0	0	684	4760	0	0
492	4543	0	0	686	4767	0	0
498	4585	0	0	693	4775	0	0
499	457-	0	0	695	4797	0	0
510	4557	0	0	710	4794	0	0
518	4564	0	0	715	4861	0	0
525	4578	0	0	724	4811	0	0
531	4601	0	0	746	4865	1	0
535	4596	1	0	756	4868	0	0
539	4611	0	0	800	4892	0	0
541	4617	0	0	803	4904	0	0
541	4610	0	0	810	4910	0	0
548	4621	0	0	810	4902	0	0
552	4622	0	0	812	4900	0	0
555	4629	0	0	815	4916	0	0
559	4627	0	0	815	4906	0	0
560	4635	0	0	815	4908	0	0
564	4639	0	0	815	4912	0	0
565	4664	0	0				

Measurements of eggs of Trichuris *from Ribchester. From material recovered using the Stoll method. Lengths (L) and widths (W) in microns. Presence/absence of polar plugs not recorded by PK, but sizes fall into the range of* T. trichiura *of man (c.f. data collated by Jones 1982).*

Sample number	Trichuris L	W
4032	53	25
4135	55	23
	53	28
	48	26
	50	25
	45	22
	48	23
	45	25
	55	25
	48	26
	53	28
	50	25
	48	32
	43	25
	48	25
4176	50	25
4648	43	28
4747	50	28
	53	25
4875	48	25

5

Appendix 2

Data for assemblages of adult beetles and bugs

Main statistics and species lists in rank order for the scan, rapid-scan and semi-quantitatively rapid-scan recorded assemblages from Ribchester, Lancashire. Nomenclature follows Kloet and Hincks (1964-7). Main statistics (other than S and N) are given only where N was greater than 9.

Site: RB89 Context: 65 Sample: 4032/1T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                        N =    65
Number of taxa                                            S =    35
Index of diversity (alpha)                            alpha =    31
Standard error of alpha                            SE alpha =     7
Number of 'certain' outdoor taxa                        SOA =     7
Percentage of 'certain' outdoor taxa                   %SOA =    20
Number of 'certain' outdoor individuals                 NOA =     8
Percentage of 'certain' outdoor individuals            %NOA =    12
Number of 'certain' and probable outdoor taxa           SOB =     9
Percentage of 'certain' and probable outdoor taxa      %SOB =    26
Number of 'certain' and probable outdoor individuals    NOB =    11
Percentage 'certain' and probable outdoor individuals  %NOB =    17
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 =     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 =     2
Number of strongly plant-associated taxa                 SP =     2
Percentage of strongly plant-associated taxa            %SP =     6
Number of strongly plant-associated individuals          NP =     2
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 =     1
Percentage of wood-associated individuals               %NL =     2
Number of decomposer taxa                               SRT =    18
Percentage of decomposer taxa                          %SRT =    51
Number of decomposer individuals                        NRT =    37
Percentage of decomposer individuals                   %NRT =    57
Number of 'dry' decomposer taxa                         SRD =     4
Percentage of 'dry'decomposer taxa                     %SRD =    11
Number of 'dry' decomposer individuals                  NRD =    11
Percentage of 'dry'decomposer individuals              %NRD =    17
Number of 'foul' decomposer taxa                        SRF =     3
Percentage of 'foul' decomposer taxa                   %SRF =     9
Number of 'foul' decomposer individuals                 NRF =     5
Percentage of 'foul' decomposer individuals            %NRF =     8
Index of diversity of decomposer component         alpha RT =    14
Standard error                                  SE alpha RT =     4
Number of individuals of grain pests                     NG =    12
Percentage of individuals of grain pests                %NG =    18
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                     NG =    12
Number of uncoded taxa                                   SU =     6
Percentage of uncoded individuals                       PNU =    11
```

Site: RB89 Context: 65 Sample: 4032/1T - beetle/bug main statistics
re-run after subtraction of grain pest component

Erosion = 3 Fragmentation = 3; Weight = 1.000kg


```
Number of individuals estimated as                           N =     53
Number of taxa                                               S =     32
Index of diversity (alpha)                               alpha =     35
Standard error of alpha                               SE alpha =      9
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 =     15
Number of 'certain' and probable outdoor taxa              SOB =      9
Percentage of 'certain' and probable outdoor taxa         %SOB =     28
Number of 'certain' and probable outdoor individuals       NOB =     11
Percentage 'certain' and probable outdoor individuals     %NOB =     21
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 =      2
Percentage of aquatic individuals                         %NW =      4
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 =      2
Percentage of strongly plant-associated taxa              %SP =      6
Number of strongly plant-associated individuals            NP =      2
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 =      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 =     56
Number of decomposer individuals                           NRT =     37
Percentage of decomposer individuals                      %NRT =     70
Number of 'dry' decomposer taxa                            SRD =      4
Percentage of 'dry'decomposer taxa                        %SRD =     13
Number of 'dry' decomposer individuals                     NRD =     11
Percentage of 'dry'decomposer individuals                 %NRD =     21
Number of 'foul' decomposer taxa                           SRF =      3
Percentage of 'foul' decomposer taxa                      %SRF =      9
Number of 'foul' decomposer individuals                    NRF =      5
Percentage of 'foul' decomposer individuals               %NRF =      9
Index of diversity of decomposer component            alpha RT =     14
Standard error                                     SE alpha RT =      4
Number of individuals of grain pests                       NG =     12
Number of uncoded taxa                                     SU =      6
Percentage of uncoded individuals                         PNU =     13
```

Site: RB89 Context: 65 Sample: 4032/1T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cryptolestes ferrugineus (Stephens)	6	9	1	g
Cercyon analis (Paykull)	5	8	2	rt
Lathridius minutus group	5	8	2	rd
Oryzaephilus surinamensis (Linnaeus)	4	6	4	g
Carpelimus ?bilineatus Stephens	3	5	5	rt
Helophorus sp.	2	3	6	oa w
Cercyon atricapillus (Marsham)	2	3	6	rf
Acritus nigricornis (Hoffmann)	2	3	6	rt
Anotylus rugosus (Fabricius)	2	3	6	rt
Oxytelus sculptus Gravenhorst	2	3	6	rt
Falagria ?caesa Erichson	2	3	6	rt
Aleocharinae sp.	2	3	6	u
Aphodius sp.	2	3	6	ob rf
Ptinus sp.	2	3	6	rd
Cryptophagus sp.	2	3	6	rd
Typhaea stercorea (Linnaeus)	2	3	6	rd
Sitophilus granarius (Linnaeus)	2	3	6	g
Saldidae sp.	1	2	18	oa d
Auchenorhyncha sp.	1	2	18	oa p
Bembidion sp.	1	2	18	oa
Ptenidium sp.	1	2	18	rt
Omalium sp.	1	2	18	rt
Anotylus tetracarinatus (Block)	1	2	18	rt
Stenus sp.	1	2	18	u
Neobisnius sp.	1	2	18	u
Tachyporus sp.	1	2	18	u
Cordalia obscura (Gravenhorst)	1	2	18	rt
Aleochara sp.	1	2	18	u
Geotrupes sp.	1	2	18	oa rf
Elateridae sp.	1	2	18	ob
Anobium punctatum (Degeer)	1	2	18	l
Corticaria sp.	1	2	18	rt
Gymnetron sp.	1	2	18	oa p
Curculionidae sp.	1	2	18	oa
Coleoptera sp.	1	2	18	u

Site: RB89 Context: 65 Sample: 4032/BT - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as	N =	64
Number of taxa	S =	46
Index of diversity (alpha)	alpha =	73
Standard error of alpha	SE alpha =	19
Number of 'certain' outdoor taxa	SOA =	12
Percentage of 'certain' outdoor taxa	%SOA =	26
Number of 'certain' outdoor individuals	NOA =	12
Percentage of 'certain' outdoor individuals	%NOA =	19
Number of 'certain' and probable outdoor taxa	SOB =	15
Percentage of 'certain' and probable outdoor taxa	%SOB =	33
Number of 'certain' and probable outdoor individuals	NOB =	15
Percentage 'certain' and probable outdoor individuals	%NOB =	23

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 =       3
Percentage of aquatic individuals                  %NW =       5
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 =       5
Number of strongly plant-associated taxa            SP =       4
Percentage of strongly plant-associated taxa       %SP =       9
Number of strongly plant-associated individuals     NP =       4
Percentage of strongly plant-associated individuals %NP =      6
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 =      18
Percentage of decomposer taxa                     %SRT =      39
Number of decomposer individuals                   NRT =      29
Percentage of decomposer individuals              %NRT =      45
Number of 'dry' decomposer taxa                    SRD =       4
Percentage of 'dry'decomposer taxa                %SRD =       9
Number of 'dry' decomposer individuals             NRD =       7
Percentage of 'dry'decomposer individuals         %NRD =      11
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 =       5
Index of diversity of decomposer component    alpha RT =      21
Standard error                             SE alpha RT =       7
Number of individuals of grain pests                NG =       9
Percentage of individuals of grain pests           %NG =      14
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                NG =       9
Number of uncoded taxa                              SU =      11
Percentage of uncoded individuals                  PNU =      20
```

Site: RB89 Context: 65 Sample: 4032/BT - beetle/bug main statistics re-run after subtraction of grain pest component

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                   N =      55
Number of taxa                                       S =      42
Index of diversity (alpha)                       alpha =      80
Standard error of alpha                       SE alpha =      24
Number of 'certain' outdoor taxa                   SOA =      12
Percentage of 'certain' outdoor taxa              %SOA =      29
Number of 'certain' outdoor individuals            NOA =      12
Percentage of 'certain' outdoor individuals       %NOA =      22
Number of 'certain' and probable outdoor taxa      SOB =      15
Percentage of 'certain' and probable outdoor taxa %SOB =      36
Number of 'certain' and probable outdoor individuals NOB =    15
Percentage 'certain' and probable outdoor individuals %NOB =  27
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 =       3
Percentage of aquatic individuals                          %NW =       5
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 =       5
Number of strongly plant-associated taxa                    SP =       4
Percentage of strongly plant-associated taxa               %SP =      10
Number of strongly plant-associated individuals             NP =       4
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 =       0
Number of wood-associated individuals                       NL =       0
Percentage of wood-associated individuals                  %NL =       0
Number of decomposer taxa                                  SRT =      18
Percentage of decomposer taxa                             %SRT =      43
Number of decomposer individuals                           NRT =      29
Percentage of decomposer individuals                      %NRT =      53
Number of 'dry' decomposer taxa                            SRD =       4
Percentage of 'dry'decomposer taxa                        %SRD =      10
Number of 'dry' decomposer individuals                     NRD =       7
Percentage of 'dry'decomposer individuals                 %NRD =      13
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 =       5
Index of diversity of decomposer component            alpha RT =      21
Standard error                                     SE alpha RT =       7
Number of individuals of grain pests                        NG =       9
Number of uncoded taxa                                      SU =      11
Percentage of uncoded individuals                          PNU =      24
```

Site: RB89 Context: 65 Sample: 4032/BT - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Cercyon analis (Paykull)                      4    6      1  rt
Falagria or Cordalia sp.                      4    6      1  rt
Lathridius minutus group                      4    6      1  rd
Cryptolestes ferrugineus (Stephens)           3    5      4  g
Oryzaephilus surinamensis (Linnaeus)          3    5      4  g
Anotylus rugosus (Fabricius)                  2    3      6  rt
Oxytelus sculptus Gravenhorst                 2    3      6  rt
Neobisnius sp.                                2    3      6  u
Aleocharinae sp. B                            2    3      6  u
Sitophilus granarius (Linnaeus)               2    3      6  g
Dyschirius globosus (Herbst)                  1    2     11  oa
Trechus obtusus or quadristriatus             1    2     11  oa
?Amara sp.                                    1    2     11  oa
Carabidae sp.                                 1    2     11  ob
Helophorus sp. A                              1    2     11  oa w
Helophorus sp. B                              1    2     11  oa w
Helophorus sp. C                              1    2     11  oa w
```

```
Cercyon atricapillus (Marsham)                      1    2    11   rf
Cercyon sp.                                         1    2    11   u
Megasternum obscurum (Marsham)                      1    2    11   rt
Onthophilus striatus (Forster)                      1    2    11   rt
Catopinae sp.                                       1    2    11   u
Carpelimus ?bilineatus Stephens                     1    2    11   rt
Carpelimus pusillus group                           1    2    11   u
Platystethus nitens (Sahlberg)                      1    2    11   oa d
Anotylus tetracarinatus (Block)                     1    2    11   rt
Stenus sp.                                          1    2    11   u
Leptacinus sp.                                      1    2    11   rt
Xantholinus sp.                                     1    2    11   u
?Staphylinus sp.                                    1    2    11   u
Staphylininae sp.                                   1    2    11   u
Aleocharinae sp. A                                  1    2    11   u
Aleocharinae sp. C                                  1    2    11   u
Aphodius sp. A                                      1    2    11   ob rf
Aphodius sp. B                                      1    2    11   ob rf
?Cyphon sp.                                         1    2    11   oa d
?Omosita sp.                                        1    2    11   rt
Cryptophagus sp.                                    1    2    11   rd
Atomaria sp.                                        1    2    11   rd
Typhaea stercorea (Linnaeus)                        1    2    11   rd
Aglenus brunneus (Gyllenhal)                        1    2    11   rt
Palorus ratzeburgi (Wissman)                        1    2    11   g
Apion sp.                                           1    2    11   oa p
Sitona ?lepidus Gyllenhal                           1    2    11   oa p
Notaris ?acridulus (Linnaeus)                       1    2    11   oa d p
Ceuthorhynchinae sp.                                1    2    11   oa p
```

Site: RB89 Context: 130 Sample: 4073/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                      N =      41
Number of taxa                                          S =      31
Index of diversity (alpha)                          alpha =      57
Standard error of alpha                          SE alpha =      20
Number of 'certain' outdoor taxa                      SOA =       9
Percentage of 'certain' outdoor taxa                 %SOA =      29
Number of 'certain' outdoor individuals               NOA =      10
Percentage of 'certain' outdoor individuals          %NOA =      24
Number of 'certain' and probable outdoor taxa         SOB =      13
Percentage of 'certain' and probable outdoor taxa    %SOB =      42
Number of 'certain' and probable outdoor individuals  NOB =      14
Percentage 'certain' and probable outdoor individuals %NOB =      34
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                 SW =       2
Percentage of aquatic taxa                            %SW =       6
Number of aquatic individuals                          NW =       3
Percentage of aquatic individuals                     %NW =       7
Number of damp ground/waterside taxa                   SD =       2
Percentage of damp ground/waterside taxa              %SD =       6
Number of damp ground/waterside individuals            ND =       3
Percentage of damp ground/waterside individuals       %ND =       7
Number of strongly plant-associated taxa               SP =       5
Percentage of strongly plant-associated taxa          %SP =      16
```

```
Number of strongly plant-associated individuals        NP =      5
Percentage of strongly plant-associated individuals    %NP =     12
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 =     12
Percentage of decomposer taxa                          %SRT =    39
Number of decomposer individuals                       NRT =     17
Percentage of decomposer individuals                   %NRT =    41
Number of 'dry' decomposer taxa                        SRD =      3
Percentage of 'dry'decomposer taxa                     %SRD =    10
Number of 'dry' decomposer individuals                 NRD =      5
Percentage of 'dry'decomposer individuals              %NRD =    12
Number of 'foul' decomposer taxa                       SRF =      4
Percentage of 'foul' decomposer taxa                   %SRF =    13
Number of 'foul' decomposer individuals                NRF =      5
Percentage of 'foul' decomposer individuals            %NRF =    12
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                   NG =      8
Percentage of individuals of grain pests               %NG =     20
Number of individuals of grain pests                   NG =      8
Number of uncoded taxa                                 SU =      4
Percentage of uncoded individuals                      PNU =     10
```

Site: RB89 Context: 130 Sample: 4073/T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes

Cryptolestes ferrugineus (Stephens)           4    10     1  g
Lathridius minutus group                      3     7     2  rd
Helophorus sp. A                              2     5     3  oa w
Cercyon haemorrhoidalis (Fabricius)           2     5     3  rf
Anotylus nitidulus (Gravenhorst)              2     5     3  rt d
Corticaria sp.                                2     5     3  rt
Sitophilus granarius (Linnaeus)               2     5     3  g
Auchenorhyncha sp.                            1     2     8  oa p
?Carabidae sp.                                1     2     8  ob
Carabidae sp. A                               1     2     8  ob
Helophorus sp. B                              1     2     8  oa w
Syntomium aeneum (Muller)                     1     2     8  oa
Platystethus arenarius (Fourcroy)             1     2     8  rf
Platystethus nitens (Sahlberg)                1     2     8  oa d
Anotylus rugosus (Fabricius)                  1     2     8  rt
Anotylus tetracarinatus (Block)               1     2     8  rt
Xantholininae sp.                             1     2     8  u
Aleocharinae sp. A                            1     2     8  u
Aleocharinae sp. B                            1     2     8  u
Aphodius sp. A                                1     2     8  ob rf
Aphodius sp. B                                1     2     8  ob rf
Oryzaephilus surinamensis (Linnaeus)          1     2     8  g
Cryptophagus sp.                              1     2     8  rd
Atomaria sp.                                  1     2     8  rd
Palorus ratzeburgi (Wissman)                  1     2     8  g
Anthicus formicarius (Goeze)                  1     2     8  rt
```

```
Chrysomelinae sp.                                       1    2    8  oa p
?Chaetocnema concinna (Marsham)                         1    2    8  oa p
Apion sp.                                               1    2    8  oa p
Ceuthorhynchinae sp.                                    1    2    8  oa p
Coleoptera sp.                                          1    2    8  u
```

Site: RB89; Context: 53; Sample: 4075/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 121; Sample: 4076/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 131 Sample: 4083/1T - beetle/bug main statistics

Erosion = 4 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                      N =      22
Number of taxa                                          S =      20
Index of diversity (alpha)                          alpha =     101
Standard error of alpha                          SE alpha =      70
Number of 'certain' outdoor taxa                      SOA =       8
Percentage of 'certain' outdoor taxa                 %SOA =      40
Number of 'certain' outdoor individuals               NOA =       9
Percentage of 'certain' outdoor individuals          %NOA =      41
Number of 'certain' and probable outdoor taxa         SOB =      11
Percentage of 'certain' and probable outdoor taxa    %SOB =      55
Number of 'certain' and probable outdoor individuals  NOB =      13
Percentage 'certain' and probable outdoor individuals %NOB =      59
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                 SW =       3
Percentage of aquatic taxa                            %SW =      15
Number of aquatic individuals                          NW =       4
Percentage of aquatic individuals                     %NW =      18
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 =       2
Percentage of strongly plant-associated taxa          %SP =      10
Number of strongly plant-associated individuals        NP =       2
Percentage of strongly plant-associated individuals   %NP =       9
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 =       5
Percentage of decomposer taxa                        %SRT =      25
Number of decomposer individuals                      NRT =       6
Percentage of decomposer individuals                 %NRT =      27
```

```
Number of 'dry' decomposer taxa                       SRD =      0
Percentage of 'dry'decomposer taxa                    %SRD =     0
Number of 'dry' decomposer individuals                NRD =      0
Percentage of 'dry'decomposer individuals             %NRD =     0
Number of 'foul' decomposer taxa                      SRF =      1
Percentage of 'foul' decomposer taxa                  %SRF =     5
Number of 'foul' decomposer individuals               NRF =      2
Percentage of 'foul' decomposer individuals           %NRF =     9
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                  NG =       2
Percentage of individuals of grain pests              %NG =      9
Number of individuals of grain pests                  NG =       2
Number of uncoded taxa                                SU =       3
Percentage of uncoded individuals                     PNU =      14
```

Site: RB89 Context: 131 Sample: 4083/1T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp.	2	9	1	oa w
Aphodius sp.	2	9	1	ob rf
Lygaeidae sp.	1	5	3	oa p
Dyschirius ?globosus (Herbst)	1	5	3	oa
Pterostichus melanarius (Illiger)	1	5	3	ob
Agonum sp.	1	5	3	oa
Carabidae sp.	1	5	3	ob
Hydroporinae sp.	1	5	3	oa w
Helophorus aquaticus or grandis	1	5	3	oa w
Cercyon sp.	1	5	3	u
Megasternum obscurum (Marsham)	1	5	3	rt
Anotylus rugosus (Fabricius)	1	5	3	rt
Oxytelus sculptus Gravenhorst	1	5	3	rt
Staphylininae sp.	1	5	3	u
Cordalia obscura (Gravenhorst)	1	5	3	rt
Aleocharinae sp.	1	5	3	u
Cryptolestes ferrugineus (Stephens)	1	5	3	g
Oryzaephilus surinamensis (Linnaeus)	1	5	3	g
Apion sp.	1	5	3	oa p
Curculionidae sp.	1	5	3	oa

Site: RB89 Context: 154 Sample: 4090/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 154 Sample: 4090/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp.	1	33	1	oa w
Aleocharinae sp.	1	33	1	u

```
Aphodius sp.                                           1   33    1  ob rf
```

Site: RB89 Context: 174 Sample: 4104/1T - beetle/bug main statistics

Erosion = 4 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                    N =     48
Number of taxa                                        S =     39
Index of diversity (alpha)                        alpha =     96
Standard error of alpha                        SE alpha =     34
Number of 'certain' outdoor taxa                    SOA =      6
Percentage of 'certain' outdoor taxa               %SOA =     15
Number of 'certain' outdoor individuals             NOA =      6
Percentage of 'certain' outdoor individuals        %NOA =     13
Number of 'certain' and probable outdoor taxa       SOB =     11
Percentage of 'certain' and probable outdoor taxa  %SOB =     28
Number of 'certain' and probable outdoor individuals NOB =    11
Percentage 'certain' and probable outdoor individuals %NOB =  23
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 =      4
Number of strongly plant-associated taxa             SP =      4
Percentage of strongly plant-associated taxa        %SP =     10
Number of strongly plant-associated individuals      NP =      4
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 =      1
Number of wood-associated individuals                NL =      1
Percentage of wood-associated individuals           %NL =      2
Number of decomposer taxa                           SRT =     15
Percentage of decomposer taxa                      %SRT =     38
Number of decomposer individuals                    NRT =     22
Percentage of decomposer individuals               %NRT =     46
Number of 'dry' decomposer taxa                     SRD =      3
Percentage of 'dry'decomposer taxa                 %SRD =      8
Number of 'dry' decomposer individuals              NRD =      7
Percentage of 'dry'decomposer individuals          %NRD =     15
Number of 'foul' decomposer taxa                    SRF =      3
Percentage of 'foul' decomposer taxa               %SRF =      8
Number of 'foul' decomposer individuals             NRF =      4
Percentage of 'foul' decomposer individuals        %NRF =      8
Index of diversity of decomposer component     alpha RT =     21
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 =     10
Percentage of uncoded individuals                   PNU =     25
```

Site: RB89 Context: 174 Sample: 4104/1T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Lathridius minutus group	4	8	1	rd
Carpelimus bilineatus or rivularis	3	6	2	u
Cercyon ?analis (Paykull)	2	4	3	rt
Cercyon ?haemorrhoidalis (Fabricius)	2	4	3	rf
Anotylus rugosus (Fabricius)	2	4	3	rt
Cryptophagus sp.	2	4	3	rd
Auchenorhyncha sp. A	1	2	7	oa p
Auchenorhyncha sp. B	1	2	7	oa p
Carabidae sp. A	1	2	7	ob
Carabidae sp. B	1	2	7	ob
Carabidae sp. C	1	2	7	ob
Histeridae sp.	1	2	7	u
Carpelimus sp.	1	2	7	u
Anotylus nitidulus (Gravenhorst)	1	2	7	rt d
Oxytelus sculptus Gravenhorst	1	2	7	rt
Stenus sp.	1	2	7	u
Leptacinus sp.	1	2	7	rt
Neobisnius sp.	1	2	7	u
Philonthus sp.	1	2	7	u
Philonthus or Gabrius sp.	1	2	7	u
Cordalia obscura (Gravenhorst)	1	2	7	rt
Falagria ?caesa Erichson	1	2	7	rt
Aleocharinae sp. A	1	2	7	u
Aleocharinae sp. B	1	2	7	u
Pselaphidae sp.	1	2	7	u
Aphodius sp. A	1	2	7	ob rf
Aphodius sp. B	1	2	7	ob rf
Phyllopertha horticola (Linnaeus)	1	2	7	oa p
Anobiidae sp.	1	2	7	l
Kateretes sp.	1	2	7	oa p d
Monotoma sp.	1	2	7	rt
Cryptolestes ferrugineus (Stephens)	1	2	7	g
Oryzaephilus surinamensis (Linnaeus)	1	2	7	g
Corticaria sp.	1	2	7	rt
Typhaea stercorea (Linnaeus)	1	2	7	rd
Palorus ratzeburgi (Wissman)	1	2	7	g
Sitophilus granarius (Linnaeus)	1	2	7	g
Curculionidae sp. A	1	2	7	oa
Curculionidae sp. B	1	2	7	oa

Site: RB89 Context: 209 Sample: 4116/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as	N =	21
Number of taxa	S =	2
Index of diversity (alpha)	alpha =	1
Standard error of alpha	SE alpha =	0
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 =      0
Percentage of 'certain' and probable outdoor taxa    %SOB =      0
Number of 'certain' and probable outdoor individuals  NOB =      0
Percentage 'certain' and probable outdoor individuals %NOB =      0
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 =      0
Number of wood-associated individuals                 NL =      0
Percentage of wood-associated individuals            %NL =      0
Number of decomposer taxa                            SRT =      1
Percentage of decomposer taxa                       %SRT =     50
Number of decomposer individuals                     NRT =     15
Percentage of decomposer individuals                %NRT =     71
Number of 'dry' decomposer taxa                      SRD =      1
Percentage of 'dry'decomposer taxa                  %SRD =     50
Number of 'dry' decomposer individuals               NRD =     15
Percentage of 'dry'decomposer individuals           %NRD =     71
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 =      6
Percentage of individuals of grain pests             %NG =     29
Number of individuals of grain pests                  NG =      6
Number of uncoded taxa                                SU =      0
Percentage of uncoded individuals                    PNU =      0
```

Site: RB89 Context: 209 Sample: 4116/T - 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


Cryptophagus sp. *                         15   71     1  rd
Oryzaephilus surinamensis (Linnaeus)*       6   29     2  g
```

Site: RB89 Context: 210 Sample: 4118/1T - beetle/bug main statistics

```
Erosion = 4 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as                        N =     10
Number of taxa                                            S =     10
```

Site: RB89 Context: 210 Sample: 4118/1T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes

Carabidae sp.                                   1   10    1  ob
Helophorus sp.                                  1   10    1  oa w
Cercyon analis (Paykull)                        1   10    1  rt
Anotylus nitidulus (Gravenhorst)                1   10    1  rt d
Anotylus rugosus (Fabricius)                    1   10    1  rt
Aphodius sp.                                     1   10    1  ob rf
Byrrhidae sp.                                    1   10    1  oa p
Elateridae sp.                                   1   10    1  ob
Notaris acridulus (Linnaeus)                    1   10    1  oa d p
Curculionidae sp. A                             1   10    1  oa
```

Site: RB89 Context: 210 Sample: 4118/BT - beetle/bug main statistics

```
Erosion = 3 Fragmentation = 4; Weight = 1.000kg

Number of individuals estimated as                        N =      9
Number of taxa                                            S =      9
```

Site: RB89 Context: 210 Sample: 4118/BT - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes

Trechus sp.                                     1   11    1  ob
Carpelimus bilineatus Stephens                  1   11    1  rt
Gyrohypnus sp.                                  1   11    1  rt
?Staphylininae sp.                              1   11    1  u
Aphodius sp.                                     1   11    1  ob rf
Notaris acridulus (Linnaeus)                    1   11    1  oa d p
Curculionidae sp.                               1   11    1  oa
Coleoptera sp. A                                1   11    1  u
Coleoptera sp. B                                1   11    1  u
```

Site: RB89 Context: 215 Sample: 4125/T - beetle/bug main statistics

```
Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as                        N =     13
Number of taxa                                            S =     13
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                        SOA =      4
Percentage of 'certain' outdoor taxa                   %SOA =     31
```

```
Number of 'certain' outdoor individuals               NOA =     4
Percentage of 'certain' outdoor individuals          %NOA =    31
Number of 'certain' and probable outdoor taxa         SOB =     7
Percentage of 'certain' and probable outdoor taxa    %SOB =    54
Number of 'certain' and probable outdoor individuals  NOB =     7
Percentage 'certain' and probable outdoor individuals %NOB =    54
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 =     3
Percentage of strongly plant-associated taxa         %SP =    23
Number of strongly plant-associated individuals       NP =     3
Percentage of strongly plant-associated individuals  %NP =    23
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 =     5
Percentage of decomposer taxa                       %SRT =    38
Number of decomposer individuals                     NRT =     5
Percentage of decomposer individuals                %NRT =    38
Number of 'dry' decomposer taxa                      SRD =     0
Percentage of 'dry'decomposer taxa                  %SRD =     0
Number of 'dry' decomposer individuals               NRD =     0
Percentage of 'dry'decomposer individuals           %NRD =     0
Number of 'foul' decomposer taxa                     SRF =     3
Percentage of 'foul' decomposer taxa                %SRF =    23
Number of 'foul' decomposer individuals              NRF =     3
Percentage of 'foul' decomposer individuals         %NRF =    23
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 =    23
```

Site: RB89 Context: 215 Sample: 4125/T - species list in rank order

```
Taxon                                   Number    %   Rank Ecodes


Carabidae sp.                               1    8     1  ob
Cercyon sp.                                 1    8     1  u
Megasternum obscurum (Marsham)              1    8     1  rt
Cryptopleurum minutum (Fabricius)           1    8     1  rf
Tachinus ?signatus Gravenhorst              1    8     1  u
Aleocharinae sp.                            1    8     1  u
?Geotrupes sp.                              1    8     1  oa rf
Aphodius sp.                                1    8     1  ob rf
Phyllopertha horticola (Linnaeus)           1    8     1  oa p
```

```
Dascillus cervinus (Linnaeus)                    1    8    1  oa p
Elateridae sp.                                   1    8    1  ob
Phalacridae sp.                                  1    8    1  oa p
Enicmus sp.                                      1    8    1  rt
```

Site: RB89 Context: 216 Sample: 4127/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                      N =     59
Number of taxa                                          S =     39
Index of diversity (alpha)                          alpha =     50
Standard error of alpha                          SE alpha =     13
Number of 'certain' outdoor taxa                      SOA =      8
Percentage of 'certain' outdoor taxa                 %SOA =     21
Number of 'certain' outdoor individuals               NOA =     10
Percentage of 'certain' outdoor individuals          %NOA =     17
Number of 'certain' and probable outdoor taxa         SOB =     10
Percentage of 'certain' and probable outdoor taxa    %SOB =     26
Number of 'certain' and probable outdoor individuals  NOB =     12
Percentage 'certain' and probable outdoor individuals %NOB =    20
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 =      6
Percentage of strongly plant-associated taxa          %SP =     15
Number of strongly plant-associated individuals        NP =      8
Percentage of strongly plant-associated individuals   %NP =     14
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 =     41
Number of decomposer individuals                      NRT =     25
Percentage of decomposer individuals                 %NRT =     42
Number of 'dry' decomposer taxa                       SRD =      5
Percentage of 'dry'decomposer taxa                   %SRD =     13
Number of 'dry' decomposer individuals                NRD =      8
Percentage of 'dry'decomposer individuals            %NRD =     14
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 =     20
Standard error                                SE alpha RT =      8
Number of individuals of grain pests                   NG =     11
Percentage of individuals of grain pests              %NG =     19
NB - over 10% grain pests and n > 50: for corrected re-run see over.
```

```
Number of individuals of grain pests                      NG =    11
Number of uncoded taxa                                    SU =    10
Percentage of uncoded individuals                         PNU =   20
```

Site: RB89 Context: 216 Sample: 4127/T - beetle/bug main statistics re-run after subtraction of grain pest component

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                        N =     48
Number of taxa                                            S =     35
Index of diversity (alpha)                            alpha =    58
Standard error of alpha                            SE alpha =    18
Number of 'certain' outdoor taxa                        SOA =     8
Percentage of 'certain' outdoor taxa                   %SOA =    23
Number of 'certain' outdoor individuals                 NOA =    10
Percentage of 'certain' outdoor individuals            %NOA =    21
Number of 'certain' and probable outdoor taxa           SOB =    10
Percentage of 'certain' and probable outdoor taxa      %SOB =    29
Number of 'certain' and probable outdoor individuals    NOB =    12
Percentage 'certain' and probable outdoor individuals  %NOB =    25
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 =     6
Percentage of strongly plant-associated taxa           %SP =    17
Number of strongly plant-associated individuals         NP =     8
Percentage of strongly plant-associated individuals    %NP =    17
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 =    46
Number of decomposer individuals                        NRT =    25
Percentage of decomposer individuals                   %NRT =    52
Number of 'dry' decomposer taxa                         SRD =     5
Percentage of 'dry'decomposer taxa                     %SRD =    14
Number of 'dry' decomposer individuals                  NRD =     8
Percentage of 'dry'decomposer individuals              %NRD =    17
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 =    20
Standard error                                  SE alpha RT =     8
Number of individuals of grain pests                     NG =    11
Number of uncoded taxa                                   SU =    10
Percentage of uncoded individuals                       PNU =    25
```

Site: RB89 Context: 216 Sample: 4127/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cryptolestes ferrugineus (Stephens)	4	7	1	g
Corticaria sp.	4	7	1	rt
Ptenidium sp.	3	5	3	rt
Oryzaephilus surinamensis (Linnaeus)	3	5	3	g
Lathridius minutus group	3	5	3	rd
Apion sp.	3	5	3	oa p
Sitophilus granarius (Linnaeus)	3	5	3	g
Aleocharinae sp. A	2	3	8	u
Aleocharinae sp. B	2	3	8	u
Cryptophagus scutellatus Newman	2	3	8	rd
Aglenus brunneus (Gyllenhal)	2	3	8	rt
Auchenorhyncha sp. A	1	2	12	oa p
Auchenorhyncha sp. B	1	2	12	oa p
Trechus obtusus or quadristriatus	1	2	12	oa
Carabidae sp.	1	2	12	ob
Onthophilus striatus (Forster)	1	2	12	rt
Coprophilus striatulus (Fabricius)	1	2	12	rt
Carpelimus ?bilineatus Stephens	1	2	12	rt
Carpelimus sp.	1	2	12	u
Philonthus sp. A	1	2	12	u
Philonthus sp. B	1	2	12	u
Staphylininae sp.	1	2	12	u
Falagria or Cordalia sp.	1	2	12	rt
Crataraea suturalis (Mannerheim)	1	2	12	rt
Aphodius sp.	1	2	12	ob rf
Dryops sp.	1	2	12	oa d
Cryptophagus sp. A	1	2	12	rd
Cryptophagus sp. B	1	2	12	rd
Atomaria sp.	1	2	12	rd
Corticarina or Cortinicara sp.	1	2	12	rt
Palorus ratzeburgi (Wissman)	1	2	12	g
Anthicus floralis or formicarius	1	2	12	rt
Longitarsus sp.	1	2	12	oa p
Chaetocnema ?arida group	1	2	12	oa p
Hypera sp.	1	2	12	oa p
Coleoptera sp. A	1	2	12	u
Coleoptera sp. B	1	2	12	u
Coleoptera sp. C	1	2	12	u
Coleoptera sp. D	1	2	12	u

Site: RB89 Context: 218 Sample: 4130/1T - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as	N =	31
Number of taxa	S =	21
Index of diversity (alpha)	alpha =	29
Standard error of alpha	SE alpha =	11
Number of 'certain' outdoor taxa	SOA =	2
Percentage of 'certain' outdoor taxa	%SOA =	10
Number of 'certain' outdoor individuals	NOA =	3

```
Percentage of 'certain' outdoor individuals            %NOA =    10
Number of 'certain' and probable outdoor taxa           SOB =     3
Percentage of 'certain' and probable outdoor taxa      %SOB =    14
Number of 'certain' and probable outdoor individuals    NOB =     4
Percentage 'certain' and probable outdoor individuals  %NOB =    13
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                   SW =     2
Percentage of aquatic taxa                              %SW =    10
Number of aquatic individuals                            NW =     3
Percentage of aquatic individuals                       %NW =    10
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 =     0
Number of wood-associated individuals                    NL =     0
Percentage of wood-associated individuals               %NL =     0
Number of decomposer taxa                               SRT =     7
Percentage of decomposer taxa                          %SRT =    33
Number of decomposer individuals                        NRT =     8
Percentage of decomposer individuals                   %NRT =    26
Number of 'dry' decomposer taxa                         SRD =     4
Percentage of 'dry'decomposer taxa                     %SRD =    19
Number of 'dry' decomposer individuals                  NRD =     5
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
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                     NG =    11
Percentage of individuals of grain pests                %NG =    35
Number of individuals of grain pests                     NG =    11
Number of uncoded taxa                                   SU =     8
Percentage of uncoded individuals                       PNU =    26
```

Site: RB89 Context: 218 Sample: 4130/1T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Cryptolestes ferrugineus (Stephens)          4   13      1 g
Oryzaephilus surinamensis (Linnaeus)         4   13      1 g
Palorus ratzeburgi (Wissman)                 3   10      3 g
Helophorus sp. A                             2    6      4 oa w
Lathridius minutus group                     2    6      4 rd
Hemiptera sp.                                1    3      6 u
Carabidae sp.                                1    3      6 ob
Helophorus sp. B                             1    3      6 oa w
Cercyon sp.                                  1    3      6 u
Megasternum obscurum (Marsham)               1    3      6 rt
```

```
Acritus nigricornis (Hoffmann)                    1    3    6   rt
Carpelimus sp.                                    1    3    6   u
Lithocharis ochracea (Gravenhorst)               1    3    6   rt
Philonthus sp.                                    1    3    6   u
Aleocharinae sp. A                               1    3    6   u
Aleocharinae sp. B                               1    3    6   u
Ptinus sp.                                        1    3    6   rd
Cryptophagus sp.                                  1    3    6   rd
Typhaea stercorea (Linnaeus)                     1    3    6   rd
Coleoptera sp. A                                 1    3    6   u
Coleoptera sp. B                                 1    3    6   u
```

Site: RB89 Context: 218 Sample: 4130/BT - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                       N =      53
Number of taxa                                           S =      37
Index of diversity (alpha)                          alpha =      54
Standard error of alpha                         SE alpha =      15
Number of 'certain' outdoor taxa                       SOA =      10
Percentage of 'certain' outdoor taxa                  %SOA =      27
Number of 'certain' outdoor individuals                NOA =      12
Percentage of 'certain' outdoor individuals           %NOA =      23
Number of 'certain' and probable outdoor taxa          SOB =      11
Percentage of 'certain' and probable outdoor taxa     %SOB =      30
Number of 'certain' and probable outdoor individuals   NOB =      13
Percentage 'certain' and probable outdoor individuals %NOB =      25
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                  SW =       3
Percentage of aquatic taxa                             %SW =       8
Number of aquatic individuals                           NW =       5
Percentage of aquatic individuals                      %NW =       9
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 =       4
Percentage of strongly plant-associated taxa           %SP =      11
Number of strongly plant-associated individuals         NP =       4
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 =       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 =      49
Number of decomposer individuals                       NRT =      23
Percentage of decomposer individuals                  %NRT =      43
Number of 'dry' decomposer taxa                        SRD =       4
Percentage of 'dry'decomposer taxa                    %SRD =      11
Number of 'dry' decomposer individuals                 NRD =       7
Percentage of 'dry'decomposer individuals             %NRD =      13
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 =     39
Standard error                                 SE alpha RT =     20
Number of individuals of grain pests                   NG =     13
Percentage of individuals of grain pests              %NG =     25
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                   NG =     13
Number of uncoded taxa                                 SU =      4
Percentage of uncoded individuals                     PNU =      8
```

Site: RB89 Context: 218 Sample: 4130/BT - beetle/bug main statistics
re-run after subtraction of grain pest component

```
Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as                      N =     40
Number of taxa                                          S =     33
Index of diversity (alpha)                          alpha =     87
Standard error of alpha                          SE alpha =     35
Number of 'certain' outdoor taxa                      SOA =     10
Percentage of 'certain' outdoor taxa                 %SOA =     30
Number of 'certain' outdoor individuals               NOA =     12
Percentage of 'certain' outdoor individuals          %NOA =     30
Number of 'certain' and probable outdoor taxa         SOB =     11
Percentage of 'certain' and probable outdoor taxa    %SOB =     33
Number of 'certain' and probable outdoor individuals  NOB =     13
Percentage 'certain' and probable outdoor individuals %NOB =     33
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                 SW =      3
Percentage of aquatic taxa                            %SW =      9
Number of aquatic individuals                          NW =      5
Percentage of aquatic individuals                     %NW =     13
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 =      3
Number of strongly plant-associated taxa               SP =      4
Percentage of strongly plant-associated taxa          %SP =     12
Number of strongly plant-associated individuals        NP =      4
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 =      1
Number of wood-associated individuals                  NL =      1
Percentage of wood-associated individuals             %NL =      3
Number of decomposer taxa                             SRT =     18
Percentage of decomposer taxa                        %SRT =     55
Number of decomposer individuals                      NRT =     23
Percentage of decomposer individuals                 %NRT =     58
Number of 'dry' decomposer taxa                       SRD =      4
Percentage of 'dry'decomposer taxa                   %SRD =     12
Number of 'dry' decomposer individuals                NRD =      7
Percentage of 'dry'decomposer individuals            %NRD =     18
Number of 'foul' decomposer taxa                      SRF =      3
```

```
Percentage of 'foul' decomposer taxa                %SRF =      9
Number of 'foul' decomposer individuals             NRF =       3
Percentage of 'foul' decomposer individuals         %NRF =      8
Index of diversity of decomposer component      alpha RT =     39
Standard error                               SE alpha RT =     20
Number of individuals of grain pests                NG =      13
Number of uncoded taxa                              SU =       4
Percentage of uncoded individuals                   PNU =     10
```

Site: RB89 Context: 218 Sample: 4130/BT - species list in rank order

```
Taxon                                  Number     %    Rank Ecodes


Cryptolestes ferrugineus (Stephens)         6    11       1  g
Oryzaephilus surinamensis (Linnaeus)        4     8       2  g
Lathridius minutus group                    4     8       2  rd
Aglenus brunneus (Gyllenhal)                3     6       4  rt
Helophorus aequalis (Thomson)               2     4       5  oa w
Helophorus sp. B                            2     4       5  oa w
Sitophilus granarius (Linnaeus)             2     4       5  g
Lygaeidae sp.                               1     2       8  oa p
Clivina fossor (Linnaeus)                   1     2       8  oa
?Amara sp.                                  1     2       8  oa
Helophorus sp. A                            1     2       8  oa w
Cercyon analis (Paykull)                    1     2       8  rt
Cercyon ?atricapillus (Marsham)             1     2       8  rf
Cryptopleurum minutum (Fabricius)           1     2       8  rf
Acritus nigricornis (Hoffmann)              1     2       8  rt
Omalium sp.                                 1     2       8  rt
Xylodromus concinnus (Marsham)              1     2       8  rt
Omaliinae sp.                               1     2       8  u
Carpelimus ?bilineatus Stephens             1     2       8  rt
Platystethus nitens (Sahlberg)              1     2       8  oa d
Leptacinus ?pusillus (Stephens)             1     2       8  rt
Neobisnius sp.                              1     2       8  u
Falagria or Cordalia sp.                    1     2       8  rt
Aleocharinae sp.                            1     2       8  u
Aphodius sp.                                1     2       8  ob rf
Anobiidae sp.                               1     2       8  l
Monotoma sp.                                1     2       8  rt
Cryptophagus sp.                            1     2       8  rd
Ephistemus globulus (Paykull)               1     2       8  rd
Corticaria sp.                              1     2       8  rt
Typhaea stercorea (Linnaeus)                1     2       8  rd
Palorus ratzeburgi (Wissman)                1     2       8  g
Anthicus formicarius (Goeze)                1     2       8  rt
Altica sp.                                  1     2       8  oa p
Apion sp. A                                 1     2       8  oa p
Apion sp. B                                 1     2       8  oa p
Coleoptera sp.                              1     2       8  u
```

Site: RB89 Context: 227 Sample: 4134/T - beetle/bug main statistics

```
Erosion = 2 Fragmentation = 3; Weight = 1.000kg


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

Site: RB89 Context: 227 Sample: 4134/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Dyschirius sp.	1	13	1	oa
Carabidae sp.	1	13	1	ob
Carpelimus ?bilineatus Stephens	1	13	1	rt
Neobisnius sp.	1	13	1	u
Staphylininae sp.	1	13	1	u
?Aphodius sp.	1	13	1	ob rf
Curculionidae sp.	1	13	1	oa
Coleoptera sp.	1	13	1	u

Site: RB89 Context: 229 Sample: 4135/1T - beetle/bug main statistics

Erosion = 2 Fragmentation = 4; Weight = 1.000kg

Number of individuals estimated as	N =	19
Number of taxa	S =	15
Index of diversity not calculated, n = s or n < 20		
Number of 'certain' outdoor taxa	SOA =	1
Percentage of 'certain' outdoor taxa	%SOA =	7
Number of 'certain' outdoor individuals	NOA =	1
Percentage of 'certain' outdoor individuals	%NOA =	5
Number of 'certain' and probable outdoor taxa	SOB =	4
Percentage of 'certain' and probable outdoor taxa	%SOB =	27
Number of 'certain' and probable outdoor individuals	NOB =	4
Percentage 'certain' and probable outdoor individuals	%NOB =	21
Diversity index for OB not calculated, NOB = SOB or NOB < 20		
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	7
Number of aquatic individuals	NW =	1
Percentage of aquatic individuals	%NW =	5
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 =	5
Number of decomposer taxa	SRT =	5
Percentage of decomposer taxa	%SRT =	33
Number of decomposer individuals	NRT =	5
Percentage of decomposer individuals	%NRT =	26
Number of 'dry' decomposer taxa	SRD =	2
Percentage of 'dry'decomposer taxa	%SRD =	13
Number of 'dry' decomposer individuals	NRD =	2
Percentage of 'dry'decomposer individuals	%NRD =	11

```
Number of 'foul' decomposer taxa                    SRF =      2
Percentage of 'foul' decomposer taxa               %SRF =     13
Number of 'foul' decomposer individuals             NRF =      2
Percentage of 'foul' decomposer individuals        %NRF =     11
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                 NG =      7
Percentage of individuals of grain pests            %NG =     37
Number of individuals of grain pests                 NG =      7
Number of uncoded taxa                               SU =      3
Percentage of uncoded individuals                   PNU =     16
```

Site: RB89 Context: 229 Sample: 4135/1T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Oryzaephilus surinamensis (Linnaeus)        3   16      1  g
Sitophilus granarius (Linnaeus)             3   16      1  g
Pterostichus melanarius (Illiger)           1    5      3  ob
Carabidae sp.                               1    5      3  ob
Helophorus sp.                              1    5      3  oa w
Cercyon atricapillus (Marsham)              1    5      3  rf
Megasternum obscurum (Marsham)              1    5      3  rt
Tachinus sp.                                1    5      3  u
Aphodius sp.                                1    5      3  ob rf
Anobium punctatum (Degeer)                  1    5      3  l
Cryptolestes ferrugineus (Stephens)         1    5      3  g
Cryptophagus sp.                            1    5      3  rd
?Atomaria sp.                               1    5      3  rd
Coleoptera sp. A                            1    5      3  u
Coleoptera sp. B                            1    5      3  u
```

Site: RB89 Context: 230 Sample: 4138T - beetle/bug main statistics

```
Erosion = 2 Fragmentation = 1; Weight = 1.000kg

Number of individuals estimated as                    N =    122
Number of taxa                                        S =     55
Index of diversity (alpha)                        alpha =     39
Standard error of alpha                        SE alpha =      6
Number of 'certain' outdoor taxa                    SOA =      8
Percentage of 'certain' outdoor taxa               %SOA =     15
Number of 'certain' outdoor individuals             NOA =      8
Percentage of 'certain' outdoor individuals        %NOA =      7
Number of 'certain' and probable outdoor taxa       SOB =     12
Percentage of 'certain' and probable outdoor taxa  %SOB =     22
Number of 'certain' and probable outdoor individuals NOB =    12
Percentage 'certain' and probable outdoor individuals %NOB =   10
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 =      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 =     5
Number of strongly plant-associated individuals       NP =      3
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 =     2
Number of decomposer taxa                             SRT =     28
Percentage of decomposer taxa                         %SRT =    51
Number of decomposer individuals                      NRT =     58
Percentage of decomposer individuals                  %NRT =    48
Number of 'dry' decomposer taxa                       SRD =     9
Percentage of 'dry'decomposer taxa                    %SRD =    16
Number of 'dry' decomposer individuals                NRD =     30
Percentage of 'dry'decomposer individuals             %NRD =    25
Number of 'foul' decomposer taxa                      SRF =     4
Percentage of 'foul' decomposer taxa                  %SRF =    7
Number of 'foul' decomposer individuals               NRF =     7
Percentage of 'foul' decomposer individuals           %NRF =    6
Index of diversity of decomposer component            alpha RT =  22
Standard error                                        SE alpha RT = 5
Number of individuals of grain pests                  NG =      37
Percentage of individuals of grain pests              %NG =     30
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                  NG =      37
Number of uncoded taxa                                SU =      10
Percentage of uncoded individuals                     PNU =     11
```

**Site: RB89 Context: 230 Sample: 4138T - beetle/bug main statistics
re-run after subtraction of grain pest component**

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                    N =       85
Number of taxa                                        S =       51
Index of diversity (alpha)                            alpha =   54
Standard error of alpha                               SE alpha =  11
Number of 'certain' outdoor taxa                      SOA =     8
Percentage of 'certain' outdoor taxa                  %SOA =    16
Number of 'certain' outdoor individuals               NOA =     8
Percentage of 'certain' outdoor individuals           %NOA =    9
Number of 'certain' and probable outdoor taxa         SOB =     12
Percentage of 'certain' and probable outdoor taxa     %SOB =    24
Number of 'certain' and probable outdoor individuals  NOB =     12
Percentage 'certain' and probable outdoor individuals %NOB =    14
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 =      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 =      3
Percentage of wood-associated individuals              %NL =      4
Number of decomposer taxa                              SRT =     28
Percentage of decomposer taxa                         %SRT =     55
Number of decomposer individuals                       NRT =     58
Percentage of decomposer individuals                  %NRT =     68
Number of 'dry' decomposer taxa                        SRD =      9
Percentage of 'dry'decomposer taxa                    %SRD =     18
Number of 'dry' decomposer individuals                 NRD =     30
Percentage of 'dry'decomposer individuals             %NRD =     35
Number of 'foul' decomposer taxa                       SRF =      4
Percentage of 'foul' decomposer taxa                  %SRF =      8
Number of 'foul' decomposer individuals                NRF =      7
Percentage of 'foul' decomposer individuals           %NRF =      8
Index of diversity of decomposer component        alpha RT =     22
Standard error                                 SE alpha RT =      5
Number of individuals of grain pests                    NG =     37
Number of uncoded taxa                                  SU =     10
Percentage of uncoded individuals                      PNU =     15
```

Site: RB89 Context: 230 Sample: 4138T - 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


Oryzaephilus surinamensis (Linnaeus)*        15    12      1 g
Lathridius minutus group *                   15    12      1 rd
Sitophilus granarius (Linnaeus)*             15    12      1 g
Cryptolestes ferrugineus (Stephens)*          6     5      4 g
Cryptophagus sp. A                            5     4      5 rd
Cercyon analis (Paykull)                      3     2      6 rt
Anotylus tetracarinatus (Block)              3     2      6 rt
Atomaria sp.                                  3     2      6 rd
Cercyon atricapillus (Marsham)               2     2      9 rf
Cercyon haemorrhoidalis (Fabricius)          2     2      9 rf
Ptenidium sp.                                2     2      9 rt
Platystethus arenarius (Fourcroy)            2     2      9 rf
Anotylus rugosus (Fabricius)                 2     2      9 rt
Philonthus sp. A                             2     2      9 u
Aleocharinae sp. A                           2     2      9 u
Aleocharinae sp. C                           2     2      9 u
Anobium punctatum (Degeer)                   2     2      9 l
Ptinus fur (Linnaeus)                        2     2      9 rd
Patrobus sp.                                 1     1     19 oa
Trechus obtusus or quadristriatus            1     1     19 oa
Bembidion (Philochthus) sp.                  1     1     19 oa
Bembidion sp.                                1     1     19 oa
Carabidae sp. A                              1     1     19 ob
Carabidae sp. B                              1     1     19 ob
```

```
Helophorus sp.                                       1    1   19   oa w
Cercyon sp.                                          1    1   19   u
Onthophilus striatus (Forster)                       1    1   19   rt
Histerinae sp.                                       1    1   19   u
Acrotrichis sp.                                      1    1   19   rt
Omalium sp.                                          1    1   19   rt
Xylodromus ?concinnus (Marsham)                      1    1   19   rt
Carpelimus ?bilineatus Stephens                      1    1   19   rt
Oxytelus sculptus Gravenhorst                        1    1   19   rt
Stenus sp.                                           1    1   19   u
Leptacinus ?pusillus (Stephens)                      1    1   19   rt
Xantholinus sp.                                      1    1   19   u
Philonthus sp. B                                     1    1   19   u
Falagria sp.                                         1    1   19   rt
Aleochara sp.                                        1    1   19   u
Aleocharinae sp. B                                   1    1   19   u
Aphodius sp.                                         1    1   19   ob rf
Phyllopertha horticola (Linnaeus)                    1    1   19   oa p
?Clambus sp.                                         1    1   19   rt
Elateridae sp.                                       1    1   19   ob
Ptinus sp.                                           1    1   19   rd
Meligethes sp.                                       1    1   19   oa p
Cryptophagus sp. B                                   1    1   19   rd
Cryptophagus sp. C                                   1    1   19   rd
Ephistemus globulus (Paykull)                        1    1   19   rd
Corticaria sp.                                       1    1   19   rt
Typhaea stercorea (Linnaeus)                         1    1   19   rd
Palorus ratzeburgi (Wissman)                         1    1   19   g
Anthicus ?formicarius (Goeze)                        1    1   19   rt
Leiosoma sp.                                         1    1   19   oa p
Scolytidae sp.                                       1    1   19   l
```

Site: RB89 Context: 225 Sample: 4140/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 225 Sample: 4140/T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes
Staphylininae sp.                             1   33    1   u
Aphodius sp.                                  1   33    1   ob rf
Curculionidae sp.                             1   33    1   oa
```

Site: RB89 Context: 209 Sample: 4143/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                        N =    126
Number of taxa                                            S =     63
Index of diversity (alpha)                            alpha =     50
```

```
Standard error of alpha                            SE alpha =      8
Number of 'certain' outdoor taxa                        SOA =     13
Percentage of 'certain' outdoor taxa                   %SOA =     21
Number of 'certain' outdoor individuals                 NOA =     15
Percentage of 'certain' outdoor individuals            %NOA =     12
Number of 'certain' and probable outdoor taxa           SOB =     18
Percentage of 'certain' and probable outdoor taxa      %SOB =     29
Number of 'certain' and probable outdoor individuals    NOB =     20
Percentage 'certain' and probable outdoor individuals  %NOB =     16
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                   SW =      3
Percentage of aquatic taxa                              %SW =      5
Number of aquatic individuals                            NW =      5
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 =      9
Percentage of strongly plant-associated taxa            %SP =     14
Number of strongly plant-associated individuals          NP =      9
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 =      0
Number of wood-associated individuals                    NL =      0
Percentage of wood-associated individuals               %NL =      0
Number of decomposer taxa                               SRT =     31
Percentage of decomposer taxa                          %SRT =     49
Number of decomposer individuals                        NRT =     59
Percentage of decomposer individuals                   %NRT =     47
Number of 'dry' decomposer taxa                         SRD =      6
Percentage of 'dry'decomposer taxa                     %SRD =     10
Number of 'dry' decomposer individuals                  NRD =     11
Percentage of 'dry'decomposer individuals              %NRD =      9
Number of 'foul' decomposer taxa                        SRF =      8
Percentage of 'foul' decomposer taxa                   %SRF =     13
Number of 'foul' decomposer individuals                 NRF =     15
Percentage of 'foul' decomposer individuals            %NRF =     12
Index of diversity of decomposer component          alpha RT =     27
Standard error                                   SE alpha RT =      6
Number of individuals of grain pests                     NG =     37
Percentage of individuals of grain pests                %NG =     29
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                     NG =     37
Number of uncoded taxa                                   SU =     12
Percentage of uncoded individuals                       PNU =     10
```

**Site: RB89 Context: 209 Sample: 4143/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 2 Fragmentation = 2; Weight = 1.000kg


Number of individuals estimated as                       N =     89
Number of taxa                                           S =     59
```

```
Index of diversity (alpha)                           alpha =     76
Standard error of alpha                           SE alpha =     16
Number of 'certain' outdoor taxa                       SOA =     13
Percentage of 'certain' outdoor taxa                  %SOA =     22
Number of 'certain' outdoor individuals                NOA =     15
Percentage of 'certain' outdoor individuals           %NOA =     17
Number of 'certain' and probable outdoor taxa          SOB =     18
Percentage of 'certain' and probable outdoor taxa     %SOB =     31
Number of 'certain' and probable outdoor individuals   NOB =     20
Percentage 'certain' and probable outdoor individuals %NOB =     22
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                  SW =      3
Percentage of aquatic taxa                             %SW =      5
Number of aquatic individuals                           NW =      5
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 =      9
Percentage of strongly plant-associated taxa           %SP =     15
Number of strongly plant-associated individuals         NP =      9
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 =      0
Number of wood-associated individuals                   NL =      0
Percentage of wood-associated individuals              %NL =      0
Number of decomposer taxa                              SRT =     31
Percentage of decomposer taxa                         %SRT =     53
Number of decomposer individuals                       NRT =     59
Percentage of decomposer individuals                  %NRT =     66
Number of 'dry' decomposer taxa                        SRD =      6
Percentage of 'dry'decomposer taxa                    %SRD =     10
Number of 'dry' decomposer individuals                 NRD =     11
Percentage of 'dry'decomposer individuals             %NRD =     12
Number of 'foul' decomposer taxa                       SRF =      8
Percentage of 'foul' decomposer taxa                  %SRF =     14
Number of 'foul' decomposer individuals                NRF =     15
Percentage of 'foul' decomposer individuals           %NRF =     17
Index of diversity of decomposer component        alpha RT =     27
Standard error                                 SE alpha RT =      6
Number of individuals of grain pests                    NG =     37
Number of uncoded taxa                                  SU =     12
Percentage of uncoded individuals                      PNU =     13
```

Site: RB89 Context: 209 Sample: 4143/T - 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


Cryptolestes ferrugineus (Stephens)          20    16      1  g
Anthicus formicarius (Goeze)                  8     6      2  rt
Oryzaephilus surinamensis (Linnaeus)          6     5      3  g
```

```
Sitophilus granarius (Linnaeus)            6    5    3   g
Lathridius minutus group                   5    4    5   rd
Palorus ratzeburgi (Wissman)               5    4    5   g
Sphaeridium ?bipustulatum Fabricius        3    2    7   rf
Cercyon unipunctatus (Linnaeus)*           3    2    7   rf
Falagria or Cordalia sp.                   3    2    7   rt
Monotoma picipes Herbst                    3    2    7   rt
Helophorus sp. A                           2    2   11   oa w
Helophorus sp. B                           2    2   11   oa w
Cercyon analis (Paykull)                   2    2   11   rt
Cercyon atricapillus (Marsham)             2    2   11   rf
Cercyon haemorrhoidalis (Fabricius)        2    2   11   rf
Cryptopleurum minutum (Fabricius)          2    2   11   rf
Carpelimus ?bilineatus Stephens            2    2   11   rt
Anotylus tetracarinatus (Block)            2    2   11   rt
Crataraea suturalis (Mannerheim)           2    2   11   rt
Cryptophagus sp.                           2    2   11   rd
Corticarina ?fuscula (Gyllenhal)           2    2   11   rt
Lyctocoris campestris (Fabricius)          1    1   22   rd
Auchenorhyncha sp. A                       1    1   22   oa p
Auchenorhyncha sp. B                       1    1   22   oa p
Auchenorhyncha sp. C                       1    1   22   oa p
Auchenorhyncha sp. D                       1    1   22   oa p
Carabidae sp. A                            1    1   22   ob
Carabidae sp. B                            1    1   22   ob
Coelostoma orbiculare (Fabricius)          1    1   22   oa w
Megasternum obscurum (Marsham)             1    1   22   rt
Acritus nigricornis (Hoffmann)             1    1   22   rt
Omalium sp.                                1    1   22   rt
Carpelimus sp. A                           1    1   22   u
Carpelimus sp. B                           1    1   22   u
Platystethus arenarius (Fourcroy)          1    1   22   rf
Anotylus rugosus (Fabricius)               1    1   22   rt
Stenus sp.                                 1    1   22   u
Rugilus sp.                                1    1   22   rt
Leptacinus ?pusillus (Stephens)            1    1   22   rt
Gyrohypnus fracticornis (Muller)           1    1   22   rt
?Neobisnius procerulus                     1    1   22   u
Philonthus sp. A                           1    1   22   u
Philonthus sp. B                           1    1   22   u
Staphylinus sp.                            1    1   22   u
Staphylininae sp. A                        1    1   22   u
Staphylininae sp. B                        1    1   22   u
Aleochara sp.                              1    1   22   u
Aleocharinae sp.                           1    1   22   u
Aphodius ?prodromus (Brahm)                1    1   22   ob rf
Aphodius sp.                               1    1   22   ob rf
Phyllopertha horticola (Linnaeus)          1    1   22   oa p
Elateridae sp.                             1    1   22   ob
Cryptophagus ?scutellatus Newman           1    1   22   rd
Atomaria sp.                               1    1   22   rd
Corticaria sp.                             1    1   22   rt
Corticarina or Cortinicara sp.             1    1   22   rt
Typhaea stercorea (Linnaeus)               1    1   22   rd
Longitarsus sp.                            1    1   22   oa p
Apion sp.                                  1    1   22   oa p
Hypera sp.                                 1    1   22   oa p
Rhinoncus castor (Fabricius)               1    1   22   oa p
```

```
Curculionidae sp.                                          1    1    22   oa
Coleoptera sp.                                             1    1    22   u
```

Site: RB89 Context: 209 Sample: 4144/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                        N =    101
Number of taxa                                            S =     47
Index of diversity (alpha)                            alpha =     34
Standard error of alpha                            SE alpha =      6
Number of 'certain' outdoor taxa                        SOA =     10
Percentage of 'certain' outdoor taxa                   %SOA =     21
Number of 'certain' outdoor individuals                 NOA =     12
Percentage of 'certain' outdoor individuals            %NOA =     12
Number of 'certain' and probable outdoor taxa           SOB =     12
Percentage of 'certain' and probable outdoor taxa      %SOB =     26
Number of 'certain' and probable outdoor individuals    NOB =     16
Percentage 'certain' and probable outdoor individuals  %NOB =     16
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 =      2
Percentage of aquatic individuals                       %NW =      2
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 =      8
Percentage of strongly plant-associated taxa            %SP =     17
Number of strongly plant-associated individuals          NP =      9
Percentage of strongly plant-associated individuals     %NP =      9
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 =     20
Percentage of decomposer taxa                          %SRT =     43
Number of decomposer individuals                        NRT =     38
Percentage of decomposer individuals                   %NRT =     38
Number of 'dry' decomposer taxa                         SRD =      5
Percentage of 'dry'decomposer taxa                     %SRD =     11
Number of 'dry' decomposer individuals                  NRD =     13
Percentage of 'dry'decomposer individuals              %NRD =     13
Number of 'foul' decomposer taxa                        SRF =      5
Percentage of 'foul' decomposer taxa                   %SRF =     11
Number of 'foul' decomposer individuals                 NRF =      9
Percentage of 'foul' decomposer individuals            %NRF =      9
Index of diversity of decomposer component         alpha RT =     17
Standard error                                  SE alpha RT =      5
Number of individuals of grain pests                     NG =     37
Percentage of individuals of grain pests                %NG =     37
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                     NG =     37
Number of uncoded taxa                                   SU =     12
Percentage of uncoded individuals                       PNU =     13
```

Site: RB89 Context: 209 Sample: 4144/T - beetle/bug main statistics
re-run after subtraction of grain pest component

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                      N =     64
Number of taxa                                          S =     43
Index of diversity (alpha)                          alpha =     57
Standard error of alpha                          SE alpha =     14
Number of 'certain' outdoor taxa                      SOA =     10
Percentage of 'certain' outdoor taxa                 %SOA =     23
Number of 'certain' outdoor individuals               NOA =     12
Percentage of 'certain' outdoor individuals          %NOA =     19
Number of 'certain' and probable outdoor taxa         SOB =     12
Percentage of 'certain' and probable outdoor taxa    %SOB =     28
Number of 'certain' and probable outdoor individuals  NOB =     16
Percentage 'certain' and probable outdoor individuals %NOB =     25
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 =      2
Percentage of aquatic individuals                     %NW =      3
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 =      3
Number of strongly plant-associated taxa               SP =      8
Percentage of strongly plant-associated taxa          %SP =     19
Number of strongly plant-associated individuals        NP =      9
Percentage of strongly plant-associated individuals   %NP =     14
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 =     20
Percentage of decomposer taxa                        %SRT =     47
Number of decomposer individuals                      NRT =     38
Percentage of decomposer individuals                 %NRT =     59
Number of 'dry' decomposer taxa                       SRD =      5
Percentage of 'dry'decomposer taxa                   %SRD =     12
Number of 'dry' decomposer individuals                NRD =     13
Percentage of 'dry'decomposer individuals            %NRD =     20
Number of 'foul' decomposer taxa                      SRF =      5
Percentage of 'foul' decomposer taxa                 %SRF =     12
Number of 'foul' decomposer individuals               NRF =      9
Percentage of 'foul' decomposer individuals          %NRF =     14
Index of diversity of decomposer component       alpha RT =     17
Standard error                                SE alpha RT =      5
Number of individuals of grain pests                   NG =     37
Number of uncoded taxa                                 SU =     12
Percentage of uncoded individuals                     PNU =     20
```

Site: RB89 Context: 209 Sample: 4144/T - 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
Cryptolestes ferrugineus (Stephens)*	15	15	1	g
Oryzaephilus surinamensis (Linnaeus)*	15	15	1	g
Lathridius minutus group *	6	6	3	rd
Sitophilus granarius (Linnaeus)*	6	6	3	g
Cercyon analis (Paykull)	5	5	5	rt
Aphodius ?prodromus (Brahm)	3	3	6	ob rf
Helophorus sp.	2	2	7	oa w
Cercyon ?unipunctatus (Linnaeus)	2	2	7	rf
Cryptopleurum minutum (Fabricius)	2	2	7	rf
Falagria sp.	2	2	7	rt
Aleocharinae sp. A	2	2	7	u
Cryptophagus sp. A	2	2	7	rd
Cryptophagus sp. B	2	2	7	rd
Atomaria nigripennis (Kugelann)	2	2	7	rd
Anthicus floralis or formicarius	2	2	7	rt
Apion sp.	2	2	7	oa p
Auchenorhyncha sp. A	1	1	17	oa p
Auchenorhyncha sp. B	1	1	17	oa p
Auchenorhyncha sp. C	1	1	17	oa p
Bembidion sp.	1	1	17	oa
Carabidae sp. A	1	1	17	ob
Cercyon quisquilius (Linnaeus)	1	1	17	rf
Coprophilus striatulus (Fabricius)	1	1	17	rt
Carpelimus ?bilineatus Stephens	1	1	17	rt
Platystethus arenarius (Fourcroy)	1	1	17	rf
Anotylus nitidulus (Gravenhorst)	1	1	17	rt d
Oxytelus sculptus Gravenhorst	1	1	17	rt
Stenus sp.	1	1	17	u
Leptacinus ?pusillus (Stephens)	1	1	17	rt
Gyrohypnus fracticornis (Muller)	1	1	17	rt
Xantholinus sp.	1	1	17	u
Philonthus sp. A	1	1	17	u
Philonthus sp. B	1	1	17	u
Aleochara sp.	1	1	17	u
Aleocharinae sp. B	1	1	17	u
Aleocharinae sp. C	1	1	17	u
Aleocharinae sp. D	1	1	17	u
Aleocharinae sp. E	1	1	17	u
Aleocharinae sp. F	1	1	17	u
Phyllopertha horticola (Linnaeus)	1	1	17	oa p
Kateretes sp.	1	1	17	oa p d
Corticaria sp.	1	1	17	rt
Typhaea stercorea (Linnaeus)	1	1	17	rd
Palorus ratzeburgi (Wissman)	1	1	17	g
?Barynotus sp.	1	1	17	oa p
?Sitona sp.	1	1	17	oa p
Coleoptera sp.	1	1	17	u

Site: RB89 Context: 232 Sample: 4146/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                          N =      44
Number of taxa                                              S =      29
Index of diversity (alpha)                              alpha =      38
Standard error of alpha                              SE alpha =      11
Number of 'certain' outdoor taxa                          SOA =       5
Percentage of 'certain' outdoor taxa                     %SOA =      17
Number of 'certain' outdoor individuals                   NOA =       7
Percentage of 'certain' outdoor individuals              %NOA =      16
Number of 'certain' and probable outdoor taxa             SOB =       8
Percentage of 'certain' and probable outdoor taxa        %SOB =      28
Number of 'certain' and probable outdoor individuals      NOB =      11
Percentage 'certain' and probable outdoor individuals    %NOB =      25
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                     SW =       2
Percentage of aquatic taxa                                %SW =       7
Number of aquatic individuals                              NW =       4
Percentage of aquatic individuals                         %NW =       9
Number of damp ground/waterside taxa                       SD =       1
Percentage of damp ground/waterside taxa                  %SD =       3
Number of damp ground/waterside individuals                ND =       2
Percentage of damp ground/waterside individuals           %ND =       5
Number of strongly plant-associated taxa                   SP =       2
Percentage of strongly plant-associated taxa              %SP =       7
Number of strongly plant-associated individuals            NP =       2
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 =       1
Percentage of wood-associated individuals                 %NL =       2
Number of decomposer taxa                                 SRT =      12
Percentage of decomposer taxa                            %SRT =      41
Number of decomposer individuals                          NRT =      20
Percentage of decomposer individuals                     %NRT =      45
Number of 'dry' decomposer taxa                           SRD =       3
Percentage of 'dry'decomposer taxa                       %SRD =      10
Number of 'dry' decomposer individuals                    NRD =       3
Percentage of 'dry'decomposer individuals                %NRD =       7
Number of 'foul' decomposer taxa                          SRF =       2
Percentage of 'foul' decomposer taxa                     %SRF =       7
Number of 'foul' decomposer individuals                   NRF =       7
Percentage of 'foul' decomposer individuals              %NRF =      16
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                       NG =       8
Percentage of individuals of grain pests                  %NG =      18
Number of individuals of grain pests                       NG =       8
Number of uncoded taxa                                     SU =       6
Percentage of uncoded individuals                         PNU =      14
```

Site: RB89 Context: 232 Sample: 4146/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cercyon haemorrhoidalis (Fabricius)	5	11	1	rf
Cryptolestes ferrugineus (Stephens)	4	9	2	g

```
Oryzaephilus surinamensis (Linnaeus)          3    7    3  g
Helophorus aequalis (Thomson)                 2    5    4  oa w
Helophorus sp.                                2    5    4  oa w
Anotylus nitidulus (Gravenhorst)             2    5    4  rt d
Anotylus rugosus (Fabricius)                  2    5    4  rt
Oxytelus sculptus Gravenhorst                 2    5    4  rt
Aphodius sp.                                  2    5    4  ob rf
Auchenorhyncha sp.                            1    2   10  oa p
Clivina fossor (Linnaeus)                     1    2   10  oa
Pterostichus sp.                              1    2   10  ob
Cercyon analis (Paykull)                      1    2   10  rt
Onthophilus striatus (Forster)               1    2   10  rt
Carpelimus ?bilineatus Stephens              1    2   10  rt
Stenus sp. A                                  1    2   10  u
Stenus sp. B                                  1    2   10  u
Staphylininae sp. A                           1    2   10  u
Staphylininae sp. B                           1    2   10  u
Aleocharinae sp. A                            1    2   10  u
Aleocharinae sp. B                            1    2   10  u
Elateridae sp.                                1    2   10  ob
Grynobius planus (Fabricius)                  1    2   10  l
Tenebroides mauritanicus (Linnaeus)          1    2   10  rt
Brachypterus sp.                              1    2   10  oa p
Atomaria sp. A                                1    2   10  rd
Atomaria sp. B                                1    2   10  rd
Lathridius minutus group                      1    2   10  rd
Sitophilus granarius (Linnaeus)              1    2   10  g
```

Site: RB89 Context: 243 Sample: 4150/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                      N =     49
Number of taxa                                          S =     38
Index of diversity (alpha)                          alpha =     77
Standard error of alpha                          SE alpha =     25
Number of 'certain' outdoor taxa                      SOA =     11
Percentage of 'certain' outdoor taxa                 %SOA =     29
Number of 'certain' outdoor individuals               NOA =     16
Percentage of 'certain' outdoor individuals          %NOA =     33
Number of 'certain' and probable outdoor taxa         SOB =     16
Percentage of 'certain' and probable outdoor taxa    %SOB =     42
Number of 'certain' and probable outdoor individuals  NOB =     23
Percentage 'certain' and probable outdoor individuals %NOB =     47
Index of diversity of outdoor component         alpha OB =     24
Standard error                               SE alpha OB =     10
Number of aquatic taxa                                 SW =      5
Percentage of aquatic taxa                            %SW =     13
Number of aquatic individuals                          NW =      9
Percentage of aquatic individuals                     %NW =     18
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 =      2
Percentage of strongly plant-associated taxa          %SP =      5
Number of strongly plant-associated individuals        NP =      2
```

```
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 =        0
Number of wood-associated individuals                   NL =        0
Percentage of wood-associated individuals              %NL =        0
Number of decomposer taxa                               SRT =      10
Percentage of decomposer taxa                          %SRT =      26
Number of decomposer individuals                        NRT =      15
Percentage of decomposer individuals                   %NRT =      31
Number of 'dry' decomposer taxa                         SRD =       1
Percentage of 'dry'decomposer taxa                     %SRD =       3
Number of 'dry' decomposer individuals                  NRD =       1
Percentage of 'dry'decomposer individuals              %NRD =       2
Number of 'foul' decomposer taxa                        SRF =       3
Percentage of 'foul' decomposer taxa                   %SRF =       8
Number of 'foul' decomposer individuals                 NRF =       6
Percentage of 'foul' decomposer individuals            %NRF =      12
Diversity index for RT not calculated, NRT = SRT or NRT < 20
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 =       13
Percentage of uncoded individuals                       PNU =      29
```

Site: RB89 Context: 243 Sample: 4150/T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Helophorus sp.                               5     10     1  oa w
Aphodius prodromus (Brahm)                   3      6     2  ob rf
Trechus obtusus or quadristriatus            2      4     3  oa
Cercyon haemorrhoidalis (Fabricius)          2      4     3  rf
Anotylus rugosus (Fabricius)                 2      4     3  rt
Anotylus sculpturatus group                  2      4     3  rt
Aleocharinae sp. A                           2      4     3  u
Heteroptera sp.                              1      2     8  u
Clivina sp.                                  1      2     8  oa
Carabidae sp. A                              1      2     8  ob
Carabidae sp. B                              1      2     8  ob
Hydroporinae sp.                             1      2     8  oa w
Helophorus aquaticus or grandis              1      2     8  oa w
Cercyon sp.                                  1      2     8  u
Hydrobius fuscipes (Linnaeus)                1      2     8  oa w
Limnebius sp.                                1      2     8  oa w
Acrotrichis sp.                              1      2     8  rt
Omalium sp.                                  1      2     8  rt
Platystethus ?nitens (Sahlberg)              1      2     8  oa d
Lathrobium sp.                               1      2     8  u
Gyrohypnus fracticornis (Muller)             1      2     8  rt
Quedius boops group                          1      2     8  u
Tachyporus sp. A                             1      2     8  u
Tachyporus sp. B                             1      2     8  u
Tachinus sp.                                 1      2     8  u
Aleocharinae sp. B                           1      2     8  u
Aleocharinae sp. C                           1      2     8  u
```

```
Aleocharinae sp. D                                    1    2    8   u
Aleocharinae sp. E                                    1    2    8   u
Aleocharinae sp. F                                    1    2    8   u
Aphodius sp.                                          1    2    8   ob rf
Phyllopertha horticola (Linnaeus)                     1    2    8   oa p
Dryops sp.                                            1    2    8   oa d
Elateridae sp.                                        1    2    8   ob
Meligethes sp.                                        1    2    8   oa p
Omosita sp.                                           1    2    8   rt
Lathridius minutus group                              1    2    8   rd
Sitophilus granarius (Linnaeus)                       1    2    8   g
```

Site: RB89; Context: 163; Sample: 4152/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 236; Sample: 4154/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 149 Sample: 4158/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 149 Sample: 4158/T - species list in rank order

```
Taxon                                    Number    %  Rank Ecodes

Cryptolestes ferrugineus (Stephens)          1  100    1  g
```

Site: RB89 Context: 228 Sample: 4160/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                         N =      2
Number of taxa                                             S =      2
```

Site: RB89 Context: 228 Sample: 4160/T - species list in rank order

```
Taxon                                    Number    %  Rank Ecodes

Oryzaephilus surinamensis (Linnaeus)         1   50    1  g
Coleoptera sp.                               1   50    1  u
```

Site: RB89 Context: 243 Sample: 4162/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                       N =      57
Number of taxa                                           S =      49
Index of diversity (alpha)                           alpha =     164
Standard error of alpha                           SE alpha =      61
Number of 'certain' outdoor taxa                       SOA =      15
Percentage of 'certain' outdoor taxa                  %SOA =      31
Number of 'certain' outdoor individuals                NOA =      16
Percentage of 'certain' outdoor individuals           %NOA =      28
Number of 'certain' and probable outdoor taxa          SOB =      21
Percentage of 'certain' and probable outdoor taxa     %SOB =      43
Number of 'certain' and probable outdoor individuals   NOB =      22
Percentage 'certain' and probable outdoor individuals %NOB =      39
Index of diversity of outdoor component          alpha OB =     206
Standard error                                SE alpha OB =     184
Number of aquatic taxa                                  SW =       3
Percentage of aquatic taxa                             %SW =       6
Number of aquatic individuals                           NW =       3
Percentage of aquatic individuals                      %NW =       5
Number of damp ground/waterside taxa                    SD =       3
Percentage of damp ground/waterside taxa               %SD =       6
Number of damp ground/waterside individuals             ND =       3
Percentage of damp ground/waterside individuals        %ND =       5
Number of strongly plant-associated taxa                SP =       8
Percentage of strongly plant-associated taxa           %SP =      16
Number of strongly plant-associated individuals         NP =       8
Percentage of strongly plant-associated individuals    %NP =      14
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 =      31
Number of decomposer individuals                       NRT =      18
Percentage of decomposer individuals                  %NRT =      32
Number of 'dry' decomposer taxa                        SRD =       4
Percentage of 'dry'decomposer taxa                    %SRD =       8
Number of 'dry' decomposer individuals                 NRD =       5
Percentage of 'dry'decomposer individuals             %NRD =       9
Number of 'foul' decomposer taxa                       SRF =       4
Percentage of 'foul' decomposer taxa                  %SRF =       8
Number of 'foul' decomposer individuals                NRF =       4
Percentage of 'foul' decomposer individuals           %NRF =       7
Diversity index for RT not calculated, NRT = SRT or NRT < 20
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 =      15
Percentage of uncoded individuals                      PNU =      33
```

Site: RB89 Context: 243 Sample: 4162/T - species list in rank order

```
Taxon                                     Number    %  Rank Ecodes
```

```
Anotylus rugosus (Fabricius)              3    5    1   rt
Trechus obtusus or quadristriatus         2    4    2   oa
Aleocharinae sp. A                        2    4    2   u
Aleocharinae sp. C                        2    4    2   u
Aleocharinae sp. E                        2    4    2   u
Aleocharinae sp. F                        2    4    2   u
Lathridius minutus group                  2    4    2   rd
Lyctocoris campestris (Fabricius)         1    2    8   rd
Conomelus anceps (Germar)                 1    2    8   oa p
Auchenorhyncha sp.                        1    2    8   oa p
Dyschirius ?globosus (Herbst)             1    2    8   oa
Clivina fossor (Linnaeus)                 1    2    8   oa
Carabidae sp. A                           1    2    8   ob
Carabidae sp. B                           1    2    8   ob
Hydroporinae sp.                          1    2    8   oa w
Helophorus sp.                            1    2    8   oa w
Cercyon sp.                               1    2    8   u
Megasternum obscurum (Marsham)            1    2    8   rt
Limnebius sp.                             1    2    8   oa w
Lesteva sp.                               1    2    8   oa d
Carpelimus ?bilineatus Stephens           1    2    8   rt
Carpelimus sp.                            1    2    8   u
Platystethus arenarius (Fourcroy)         1    2    8   rf
Anotylus nitidulus (Gravenhorst)          1    2    8   rt d
Lathrobium sp.                            1    2    8   u
Neobisnius sp.                            1    2    8   u
Philonthus sp.                            1    2    8   u
Tachinus sp.                              1    2    8   u
Falagria or Cordalia sp.                  1    2    8   rt
Aleochara sp.                             1    2    8   u
Aleocharinae sp. B                        1    2    8   u
Aleocharinae sp. D                        1    2    8   u
Aleocharinae sp. G                        1    2    8   u
Aphodius sp. A                            1    2    8   ob rf
Aphodius sp. B                            1    2    8   ob rf
Aphodius sp. C                            1    2    8   ob rf
Phyllopertha horticola (Linnaeus)         1    2    8   oa p
Elateridae sp.                            1    2    8   ob
Kateretes sp.                             1    2    8   oa p d
Cryptophagus sp. A                        1    2    8   rd
Cryptophagus sp. B                        1    2    8   rd
Aglenus brunneus (Gyllenhal)              1    2    8   rt
Anthicus formicarius (Goeze)              1    2    8   rt
Galerucinae sp.                           1    2    8   oa p
Halticinae sp.                            1    2    8   oa p
?Hypera sp.                               1    2    8   oa p
Sitophilus granarius (Linnaeus)           1    2    8   g
?Gymnetron sp.                            1    2    8   oa p
Coleoptera sp.                            1    2    8   u
```

Site: RB89 Context: 252 Sample: 4164/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                      N =     22
Number of taxa                                          S =     21
Index of diversity (alpha)                          alpha =    206
```

```
Standard error of alpha                             SE alpha =    184
Number of 'certain' outdoor taxa                         SOA =      4
Percentage of 'certain' outdoor taxa                    %SOA =     19
Number of 'certain' outdoor individuals                  NOA =      4
Percentage of 'certain' outdoor individuals             %NOA =     18
Number of 'certain' and probable outdoor taxa            SOB =      6
Percentage of 'certain' and probable outdoor taxa       %SOB =     29
Number of 'certain' and probable outdoor individuals     NOB =      6
Percentage 'certain' and probable outdoor individuals   %NOB =     27
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                   SW =       1
Percentage of aquatic taxa                              %SW =       5
Number of aquatic individuals                            NW =       1
Percentage of aquatic individuals                       %NW =       5
Number of damp ground/waterside taxa                     SD =       1
Percentage of damp ground/waterside taxa                %SD =       5
Number of damp ground/waterside individuals              ND =       1
Percentage of damp ground/waterside individuals         %ND =       5
Number of strongly plant-associated taxa                 SP =       2
Percentage of strongly plant-associated taxa            %SP =      10
Number of strongly plant-associated individuals          NP =       2
Percentage of strongly plant-associated individuals     %NP =       9
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 =      9
Percentage of decomposer taxa                           %SRT =     43
Number of decomposer individuals                         NRT =      9
Percentage of decomposer individuals                    %NRT =     41
Number of 'dry' decomposer taxa                          SRD =      2
Percentage of 'dry'decomposer taxa                      %SRD =     10
Number of 'dry' decomposer individuals                   NRD =      2
Percentage of 'dry'decomposer individuals               %NRD =      9
Number of 'foul' decomposer taxa                         SRF =      2
Percentage of 'foul' decomposer taxa                    %SRF =     10
Number of 'foul' decomposer individuals                  NRF =      2
Percentage of 'foul' decomposer individuals             %NRF =      9
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                     NG =       2
Percentage of individuals of grain pests                %NG =       9
Number of individuals of grain pests                     NG =       2
Number of uncoded taxa                                   SU =       6
Percentage of uncoded individuals                        PNU =     32
```

Site: RB89 Context: 252 Sample: 4164/T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Aleocharinae sp. B                          2      9     1  u
Trechus obtusus or quadristriatus           1      5     2  oa
Helophorus aquaticus or grandis             1      5     2  oa w
Micropeplus sp.                             1      5     2  rt
Omalium sp.                                 1      5     2  rt
Carpelimus sp.                              1      5     2  u
```

```
Anotylus tetracarinatus (Block)                    1    5    2   rt
Gyrohypnus fracticornis (Muller)                   1    5    2   rt
Philonthus sp.                                     1    5    2   u
Tachyporus sp.                                     1    5    2   u
Aleochara sp.                                      1    5    2   u
Aleocharinae sp. A                                 1    5    2   u
Aphodius sp. A                                     1    5    2   ob rf
Aphodius sp. B                                     1    5    2   ob rf
Phyllopertha horticola (Linnaeus)                  1    5    2   oa p
Kateretes ?rufilabris (Latreille)                  1    5    2   oa p d
Cryptolestes ferrugineus (Stephens)                1    5    2   g
Oryzaephilus surinamensis (Linnaeus)               1    5    2   g
Lathridius minutus group                           1    5    2   rd
Typhaea stercorea (Linnaeus)                       1    5    2   rd
Anthicus floralis or formicarius                   1    5    2   rt
```

Site: RB89; Context: 238; Sample: 4167

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 238; Sample: 4168/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 253 Sample: 4170/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                        N =      51
Number of taxa                                            S =      41
Index of diversity (alpha)                            alpha =      96
Standard error of alpha                            SE alpha =      33
Number of 'certain' outdoor taxa                        SOA =      14
Percentage of 'certain' outdoor taxa                   %SOA =      34
Number of 'certain' outdoor individuals                 NOA =      17
Percentage of 'certain' outdoor individuals            %NOA =      33
Number of 'certain' and probable outdoor taxa           SOB =      18
Percentage of 'certain' and probable outdoor taxa      %SOB =      44
Number of 'certain' and probable outdoor individuals    NOB =      21
Percentage 'certain' and probable outdoor individuals  %NOB =      41
Index of diversity of outdoor component           alpha OB =      58
Standard error                                 SE alpha OB =      34
Number of aquatic taxa                                   SW =       5
Percentage of aquatic taxa                              %SW =      12
Number of aquatic individuals                            NW =       7
Percentage of aquatic individuals                       %NW =      14
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 =       2
Number of strongly plant-associated taxa                 SP =       4
Percentage of strongly plant-associated taxa            %SP =      10
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  =     1
Number of wood-associated individuals                  NL  =     1
Percentage of wood-associated individuals              %NL =     2
Number of decomposer taxa                              SRT =    12
Percentage of decomposer taxa                          %SRT =   29
Number of decomposer individuals                       NRT =    16
Percentage of decomposer individuals                   %NRT =   31
Number of 'dry' decomposer taxa                        SRD =     3
Percentage of 'dry'decomposer taxa                     %SRD =    7
Number of 'dry' decomposer individuals                 NRD =     5
Percentage of 'dry'decomposer individuals              %NRD =   10
Number of 'foul' decomposer taxa                       SRF =     2
Percentage of 'foul' decomposer taxa                   %SRF =    5
Number of 'foul' decomposer individuals                NRF =     3
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  =     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
```

Site: RB89 Context: 253 Sample: 4170/T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes


Helophorus sp.                               3       6     1   oa w
Aleocharinae sp. A                           3       6     1   u
Lathridius minutus group                     3       6     1   rd
Cercyon analis (Paykull)                     2       4     4   rt
Cercyon haemorrhoidalis (Fabricius)          2       4     4   rf
Carpelimus sp.                               2       4     4   u
Longitarsus sp.                              2       4     4   oa p
Auchenorhyncha sp.                           1       2     8   oa p
Carabus sp.                                  1       2     8   oa
Dyschirius globosus (Herbst)                 1       2     8   oa
Clivina fossor (Linnaeus)                    1       2     8   oa
Carabidae sp. A                              1       2     8   ob
Carabidae sp. B                              1       2     8   ob
?Hydroporinae sp.                            1       2     8   oa w
Helophorus aquaticus or grandis              1       2     8   oa w
Megasternum obscurum (Marsham)               1       2     8   rt
Anacaena sp.                                 1       2     8   oa w
Lesteva sp.                                  1       2     8   oa d
Carpelimus ?bilineatus Stephens              1       2     8   rt
Anotylus rugosus (Fabricius)                 1       2     8   rt
Anotylus sculpturatus group                  1       2     8   rt
Gyrohypnus sp.                               1       2     8   rt
Xantholinus sp.                              1       2     8   u
Neobisnius sp.                               1       2     8   u
Philonthus sp.                               1       2     8   u
Tachyporus ?obtusus (Linnaeus)               1       2     8   u
Tachinus ?signatus Gravenhorst               1       2     8   u
```

```
Aleocharinae sp. B                                     1    2    8   u
Aphodius sp.                                           1    2    8   ob rf
Phyllopertha horticola (Linnaeus)                      1    2    8   oa p
Esolus parallelepipedus (Muller)                       1    2    8   oa w
Elateridae sp.                                         1    2    8   ob
Cryptolestes ferrugineus (Stephens)                    1    2    8   g
Cryptophagus sp.                                       1    2    8   rd
Atomaria sp.                                           1    2    8   rd
Cisidae sp.                                            1    2    8   l
Palorus ratzeburgi (Wissman)                           1    2    8   g
?Anthicus sp.                                          1    2    8   rt
Chaetocnema arida group                                1    2    8   oa p
Curculionidae sp.                                      1    2    8   oa
?Coleoptera sp.                                        1    2    8   u
```

Site: RB89 Context: 254 Sample: 4172/1T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                      N =      42
Number of taxa                                          S =      35
Index of diversity (alpha)                          alpha =      97
Standard error of alpha                          SE alpha =      39
Number of 'certain' outdoor taxa                      SOA =      10
Percentage of 'certain' outdoor taxa                 %SOA =      29
Number of 'certain' outdoor individuals               NOA =      12
Percentage of 'certain' outdoor individuals          %NOA =      29
Number of 'certain' and probable outdoor taxa         SOB =      14
Percentage of 'certain' and probable outdoor taxa    %SOB =      40
Number of 'certain' and probable outdoor individuals  NOB =      18
Percentage 'certain' and probable outdoor individuals %NOB =      43
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                 SW =       4
Percentage of aquatic taxa                            %SW =      11
Number of aquatic individuals                          NW =       6
Percentage of aquatic individuals                     %NW =      14
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 =       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 =       1
Number of wood-associated individuals                  NL =       1
Percentage of wood-associated individuals             %NL =       2
Number of decomposer taxa                             SRT =      13
Percentage of decomposer taxa                        %SRT =      37
Number of decomposer individuals                      NRT =      16
Percentage of decomposer individuals                 %NRT =      38
Number of 'dry' decomposer taxa                       SRD =       3
Percentage of 'dry'decomposer taxa                   %SRD =       9
Number of 'dry' decomposer individuals                NRD =       4
```

```
Percentage of 'dry'decomposer individuals            %NRD =      10
Number of 'foul' decomposer taxa                      SRF =       4
Percentage of 'foul' decomposer taxa                 %SRF =      11
Number of 'foul' decomposer individuals               NRF =       6
Percentage of 'foul' decomposer individuals          %NRF =      14
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                  NG =        3
Percentage of individuals of grain pests             %NG =        7
Number of individuals of grain pests                  NG =        3
Number of uncoded taxa                                SU =        8
Percentage of uncoded individuals                    PNU =       21
```

Site: RB89 Context: 254 Sample: 4172/1T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp. A	3	7	1	oa w
Aphodius sp.	3	7	1	ob rf
Aleocharinae sp. A	2	5	3	u
Oryzaephilus surinamensis (Linnaeus)	2	5	3	g
Lathridius minutus group	2	5	3	rd
Trechus obtusus or quadristriatus	1	2	6	oa
?Harpalus sp.	1	2	6	oa
Carabidae sp. A	1	2	6	ob
Carabidae sp. B	1	2	6	ob
Helophorus aquaticus or grandis	1	2	6	oa w
Helophorus sp. B	1	2	6	oa w
Cercyon ?haemorrhoidalis (Fabricius)	1	2	6	rf
Ptenidium sp.	1	2	6	rt
Micropeplus sp.	1	2	6	rt
Anotylus nitidulus (Gravenhorst)	1	2	6	rt d
Anotylus rugosus (Fabricius)	1	2	6	rt
Anotylus tetracarinatus (Block)	1	2	6	rt
Philonthus sp.	1	2	6	u
Tachyporus sp.	1	2	6	u
Tachinus ?signatus Gravenhorst	1	2	6	u
Aleocharinae sp. B	1	2	6	u
Geotrupes sp.	1	2	6	oa rf
Aphodius sp. A	1	2	6	ob rf
Byrrhidae sp.	1	2	6	oa p
Oulimnius sp.	1	2	6	oa w
Anobium punctatum (Degeer)	1	2	6	l
Ptinus sp.	1	2	6	rd
Cryptolestes ferrugineus (Stephens)	1	2	6	g
?Cryptophagus sp.	1	2	6	rd
Enicmus sp.	1	2	6	rt
Gastrophysa viridula (Degeer)	1	2	6	oa p
Chaetocnema concinna (Marsham)	1	2	6	oa p
Coleoptera sp. A	1	2	6	u
Coleoptera sp. B	1	2	6	u
Coleoptera sp. C	1	2	6	u

Site: RB89 Context: 254 Sample: 4172/BT - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                          N =       30
Number of taxa                                              S =       24
Index of diversity (alpha)                              alpha =       55
Standard error of alpha                              SE alpha =       24
Number of 'certain' outdoor taxa                          SOA =       12
Percentage of 'certain' outdoor taxa                     %SOA =       50
Number of 'certain' outdoor individuals                   NOA =       17
Percentage of 'certain' outdoor individuals              %NOA =       57
Number of 'certain' and probable outdoor taxa             SOB =       13
Percentage of 'certain' and probable outdoor taxa        %SOB =       54
Number of 'certain' and probable outdoor individuals      NOB =       18
Percentage 'certain' and probable outdoor individuals    %NOB =       60
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                     SW =        5
Percentage of aquatic taxa                               %SW =       21
Number of aquatic individuals                             NW =       10
Percentage of aquatic individuals                        %NW =       33
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 =        6
Percentage of strongly plant-associated taxa             %SP =       25
Number of strongly plant-associated individuals           NP =        6
Percentage of strongly plant-associated individuals      %NP =       20
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 =        5
Percentage of decomposer taxa                           %SRT =       21
Number of decomposer individuals                         NRT =        5
Percentage of decomposer individuals                    %NRT =       17
Number of 'dry' decomposer taxa                          SRD =        1
Percentage of 'dry'decomposer taxa                      %SRD =        4
Number of 'dry' decomposer individuals                   NRD =        1
Percentage of 'dry'decomposer individuals               %NRD =        3
Number of 'foul' decomposer taxa                         SRF =        2
Percentage of 'foul' decomposer taxa                    %SRF =        8
Number of 'foul' decomposer individuals                  NRF =        2
Percentage of 'foul' decomposer individuals             %NRF =        7
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                      NG =        3
Percentage of individuals of grain pests                 %NG =       10
Number of individuals of grain pests                      NG =        3
Number of uncoded taxa                                    SU =        5
Percentage of uncoded individuals                        PNU =       17
```

Site: RB89 Context: 254 Sample: 4172/BT - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp. A	5	17	1	oa w
Helophorus sp. B	2	7	2	oa w
Oryzaephilus surinamensis (Linnaeus)	2	7	2	g

```
Hydroporinae sp.                              1    3    4  oa w
Colymbetinae sp.                              1    3    4  oa w
Helophorus grandis Illiger                    1    3    4  oa w
Cercyon ?haemorrhoidalis (Fabricius)          1    3    4  rf
Cercyon sp. A                                 1    3    4  u
Olophrum sp.                                  1    3    4  oa
Anotylus tetracarinatus (Block)               1    3    4  rt
Xantholinus sp.                               1    3    4  u
Aleocharinae sp. A                            1    3    4  u
Aleocharinae sp. B                            1    3    4  u
Aleocharinae sp. C                            1    3    4  u
Aphodius sp.                                  1    3    4  ob rf
Phyllopertha horticola (Linnaeus)             1    3    4  oa p
Byrrhidae sp.                                 1    3    4  oa p
Brachypterus sp.                              1    3    4  oa p
Meligethes sp.                                1    3    4  oa p
Cryptolestes ferrugineus (Stephens)           1    3    4  g
Lathridius minutus group                      1    3    4  rd
Corticarina sp.                               1    3    4  rt
Gastrophysa sp.                               1    3    4  oa p
Cidnorhinus quadrimaculatus (Linnaeus)        1    3    4  oa p
```

Site: RB89; Context: 245; Sample: 4174

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 256 Sample: 4176/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                    N =      39
Number of taxa                                        S =      32
Index of diversity (alpha)                        alpha =      82
Standard error of alpha                        SE alpha =      33
Number of 'certain' outdoor taxa                    SOA =      12
Percentage of 'certain' outdoor taxa               %SOA =      38
Number of 'certain' outdoor individuals             NOA =      18
Percentage of 'certain' outdoor individuals        %NOA =      46
Number of 'certain' and probable outdoor taxa       SOB =      17
Percentage of 'certain' and probable outdoor taxa  %SOB =      53
Number of 'certain' and probable outdoor individuals NOB =     23
Percentage 'certain' and probable outdoor individuals %NOB =   59
Index of diversity of outdoor component        alpha OB =      30
Standard error                              SE alpha OB =      14
Number of aquatic taxa                               SW =       3
Percentage of aquatic taxa                          %SW =       9
Number of aquatic individuals                        NW =       5
Percentage of aquatic individuals                   %NW =      13
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 =       7
Percentage of strongly plant-associated taxa        %SP =      22
Number of strongly plant-associated individuals      NP =      10
```

```
Percentage of strongly plant-associated individuals     %NP =     26
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 =      6
Percentage of decomposer taxa                           %SRT =    19
Number of decomposer individuals                        NRT =      7
Percentage of decomposer individuals                    %NRT =    18
Number of 'dry' decomposer taxa                         SRD =      0
Percentage of 'dry'decomposer taxa                      %SRD =     0
Number of 'dry' decomposer individuals                  NRD =      0
Percentage of 'dry'decomposer individuals               %NRD =     0
Number of 'foul' decomposer taxa                        SRF =      2
Percentage of 'foul' decomposer taxa                    %SRF =     6
Number of 'foul' decomposer individuals                 NRF =      2
Percentage of 'foul' decomposer individuals             %NRF =     5
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                    NG  =      1
Percentage of individuals of grain pests                %NG =      3
Number of individuals of grain pests                    NG  =      1
Number of uncoded taxa                                  SU  =     10
Percentage of uncoded individuals                       PNU =     26
```

Site: RB89 Context: 256 Sample: 4176/T - species list in rank order

```
Taxon                                   Number    %   Rank Ecodes


Helophorus sp.                             3      8     1   oa w
Longitarsus sp.                            3      8     1   oa p
Dyschirius globosus (Herbst)               2      5     3   oa
Megasternum obscurum (Marsham)             2      5     3   rt
Leiosoma sp.                               2      5     3   oa p
?Conomelus anceps (Germar)                 1      3     6   oa p
Auchenorhyncha sp. A                       1      3     6   oa p
Auchenorhyncha sp. B                       1      3     6   oa p
Carabidae sp. A                            1      3     6   ob
Carabidae sp. B                            1      3     6   ob
Carabidae sp. C                            1      3     6   ob
Hydroporinae sp.                           1      3     6   oa w
Helophorus aquaticus or grandis            1      3     6   oa w
Cercyon sp.                                1      3     6   u
Anotylus rugosus (Fabricius)               1      3     6   rt
Stenus sp. A                               1      3     6   u
Stenus sp. B                               1      3     6   u
Rugilus orbiculatus (Paykull)              1      3     6   rt
Xantholinus ?linearis (Olivier)            1      3     6   rt
Staphylininae sp.                          1      3     6   u
Tachyporus sp.                             1      3     6   u
Tachinus sp.                               1      3     6   u
Aleocharinae sp. A                         1      3     6   u
Aleocharinae sp. B                         1      3     6   u
Pselaphidae sp.                            1      3     6   u
Aphodius sp. A                             1      3     6   ob rf
Aphodius sp. B                             1      3     6   ob rf
```

```
Phyllopertha horticola (Linnaeus)              1    3    6   oa p
Denticollis linearis (Linnaeus)               1    3    6   u
Cryptolestes ?ferrugineus (Stephens)          1    3    6   g
Apion sp.                                     1    3    6   oa p
Curculionidae sp.                             1    3    6   oa
```

Site: RB89 Context: 257 Sample: 4178/1T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

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

Site: RB89 Context: 257 Sample: 4178/1T - species list in rank order

```
Taxon                                 Number    %  Rank Ecodes

Drymus brunneus (Sahlberg)               1   17    1  oa p
Helophorus sp.                          1   17    1  oa w
Gyrohypnus fracticornis (Muller)        1   17    1  rt
Aphodius sp.                            1   17    1  ob rf
Longitarsus sp.                         1   17    1  oa p
Coleoptera sp.                          1   17    1  u
```

Site: RB89 Context: 257 Sample: 4178/BT - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                    N =     3
Number of taxa                                        S =     2
```

Site: RB89 Context: 257 Sample: 4178/BT - species list in rank order

```
Taxon                                 Number    %  Rank Ecodes

Longitarsus sp.                         2   67    1  oa p
Coleoptera sp.                          1   33    2  u
```

Site: RB89 Context: 259 Sample: 4187 - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                    N =     2
Number of taxa                                        S =     2
```

Site: RB89 Context: 259 Sample: 4187 - species list in rank order

```
Taxon                                 Number    %  Rank Ecodes

Simplocaria ?semistriata (Fabricius)    1   50    1  oa p
Dryops sp.                              1   50    1  oa d
```

Site: RB89; Context: 273; Sample: 4191/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 280; Sample: 4195/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 288 Sample: 4198/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as   N =   2
Number of taxa   S =   2

Site: RB89 Context: 288 Sample: 4198/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Auchenorhyncha sp.	1	50	1	oa p
Aphodius sp.	1	50	1	ob rf

Site: RB89; Context: 277; Sample: 4200/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 294 Sample: 4215/T - beetle/bug main statistics

Erosion = 4 Fragmentation = 4; Weight = 1.000kg

Number of individuals estimated as   N =   9
Number of taxa   S =   9

Site: RB89 Context: 294 Sample: 4215/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Carabidae sp.	1	11	1	ob
Megasternum obscurum (Marsham)	1	11	1	rt
Lathrobium sp. A	1	11	1	u
Lathrobium sp. B	1	11	1	u
Neobisnius sp.	1	11	1	u
Aphodius sp.	1	11	1	ob rf
?Phyllopertha horticola (Linnaeus)	1	11	1	oa p
?Elateridae sp.	1	11	1	ob
Curculionidae sp.	1	11	1	oa

Site: RB89 Context: 91 Sample: 4217/1T - beetle/bug main statistics

```
Erosion = 3 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as                        N =    156
Number of taxa                                            S =     87
Index of diversity (alpha)                            alpha =     81
Standard error of alpha                            SE alpha =     11
Number of 'certain' outdoor taxa                        SOA =     22
Percentage of 'certain' outdoor taxa                   %SOA =     25
Number of 'certain' outdoor individuals                 NOA =     27
Percentage of 'certain' outdoor individuals            %NOA =     17
Number of 'certain' and probable outdoor taxa           SOB =     27
Percentage of 'certain' and probable outdoor taxa      %SOB =     31
Number of 'certain' and probable outdoor individuals    NOB =     33
Percentage 'certain' and probable outdoor individuals  %NOB =     21
Index of diversity of outdoor component           alpha OB =     68
Standard error                                 SE alpha OB =     29
Number of aquatic taxa                                   SW =      5
Percentage of aquatic taxa                              %SW =      6
Number of aquatic individuals                            NW =      9
Percentage of aquatic individuals                       %NW =      6
Number of damp ground/waterside taxa                     SD =      2
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 =     12
Percentage of strongly plant-associated taxa            %SP =     14
Number of strongly plant-associated individuals          NP =     13
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 =      3
Number of wood-associated individuals                    NL =      5
Percentage of wood-associated individuals               %NL =      3
Number of decomposer taxa                               SRT =     38
Percentage of decomposer taxa                          %SRT =     44
Number of decomposer individuals                        NRT =     80
Percentage of decomposer individuals                   %NRT =     51
Number of 'dry' decomposer taxa                         SRD =      9
Percentage of 'dry'decomposer taxa                     %SRD =     10
Number of 'dry' decomposer individuals                  NRD =     29
Percentage of 'dry'decomposer individuals              %NRD =     19
Number of 'foul' decomposer taxa                        SRF =      6
Percentage of 'foul' decomposer taxa                   %SRF =      7
Number of 'foul' decomposer individuals                 NRF =     12
Percentage of 'foul' decomposer individuals            %NRF =      8
Index of diversity of decomposer component        alpha RT =     29
Standard error                                 SE alpha RT =      5
Number of individuals of grain pests                     NG =     16
Percentage of individuals of grain pests                %NG =     10
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                     NG =     16
Number of uncoded taxa                                   SU =     17
Percentage of uncoded individuals                       PNU =     16
```

Site: RB89 Context: 91 Sample: 4217/1T - beetle/bug main statistics

re-run after subtraction of grain pest component

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                        N =   140
Number of taxa                                            S =    83
Index of diversity (alpha)                            alpha =    86
Standard error of alpha                            SE alpha =    13
Number of 'certain' outdoor taxa                        SOA =    22
Percentage of 'certain' outdoor taxa                   %SOA =    27
Number of 'certain' outdoor individuals                 NOA =    27
Percentage of 'certain' outdoor individuals            %NOA =    19
Number of 'certain' and probable outdoor taxa           SOB =    27
Percentage of 'certain' and probable outdoor taxa      %SOB =    33
Number of 'certain' and probable outdoor individuals    NOB =    33
Percentage 'certain' and probable outdoor individuals  %NOB =    24
Index of diversity of outdoor component           alpha OB =    68
Standard error                                 SE alpha OB =    29
Number of aquatic taxa                                   SW =     5
Percentage of aquatic taxa                              %SW =     6
Number of aquatic individuals                            NW =     9
Percentage of aquatic individuals                       %NW =     6
Number of damp ground/waterside taxa                     SD =     2
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 =    12
Percentage of strongly plant-associated taxa            %SP =    14
Number of strongly plant-associated individuals          NP =    13
Percentage of strongly plant-associated individuals     %NP =     9
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 =     5
Percentage of wood-associated individuals               %NL =     4
Number of decomposer taxa                               SRT =    38
Percentage of decomposer taxa                          %SRT =    46
Number of decomposer individuals                        NRT =    80
Percentage of decomposer individuals                   %NRT =    57
Number of 'dry' decomposer taxa                         SRD =     9
Percentage of 'dry'decomposer taxa                     %SRD =    11
Number of 'dry' decomposer individuals                  NRD =    29
Percentage of 'dry'decomposer individuals              %NRD =    21
Number of 'foul' decomposer taxa                        SRF =     6
Percentage of 'foul' decomposer taxa                   %SRF =     7
Number of 'foul' decomposer individuals                 NRF =    12
Percentage of 'foul' decomposer individuals            %NRF =     9
Index of diversity of decomposer component        alpha RT =    29
Standard error                                 SE alpha RT =     5
Number of individuals of grain pests                     NG =    16
Number of uncoded taxa                                   SU =    17
Percentage of uncoded individuals                       PNU =    18
```

Site: RB89 Context: 91 Sample: 4217/1T - species list in rank order

```
Taxon                                    Number    %  Rank Ecodes
```

Lathridius minutus group	14	9	1	rd
Sitophilus granarius (Linnaeus)	6	4	2	g
Cercyon haemorrhoidalis (Fabricius)	5	3	3	rf
Cryptolestes ferrugineus (Stephens)	5	3	3	g
Helophorus sp. B	4	3	5	oa w
Cercyon analis (Paykull)	4	3	5	rt
Falagria caesa or sulcatula	4	3	5	rt
Cryptophagus sp. A	4	3	5	rd
Acritus nigricornis (Hoffmann)	3	2	9	rt
Acrotrichis sp. A	3	2	9	rt
Anotylus tetracarinatus (Block)	3	2	9	rt
Philonthus sp. B	3	2	9	u
Philonthus sp. C	3	2	9	u
Anobium punctatum (Degeer)	3	2	9	l
Ptinus sp.	3	2	9	rd
Oryzaephilus surinamensis (Linnaeus)	3	2	9	g
Helophorus ?aequalis (Thomson)	2	1	17	oa w
Megasternum obscurum (Marsham)	2	1	17	rt
Cryptopleurum minutum (Fabricius)	2	1	17	rf
Stenus sp. B	2	1	17	u
Gyrohypnus fracticornis (Muller)	2	1	17	rt
Aleochara sp.	2	1	17	u
Aleocharinae sp. A	2	1	17	u
Aleocharinae sp. C	2	1	17	u
Aphodius sp. A	2	1	17	ob rf
Cryptophagus sp. B	2	1	17	rd
Corticaria sp.	2	1	17	rt
Typhaea stercorea (Linnaeus)	2	1	17	rd
Aglenus brunneus (Gyllenhal)	2	1	17	rt
Palorus ratzeburgi (Wissman)	2	1	17	g
Longitarsus sp.	2	1	17	oa p
Auchenorhyncha sp.	1	1	32	oa p
Clivina fossor (Linnaeus)	1	1	32	oa
Pterostichus sp.	1	1	32	ob
Carabidae sp. A	1	1	32	ob
Carabidae sp. B	1	1	32	ob
Helophorus ?grandis Illiger	1	1	32	oa w
Helophorus sp. A	1	1	32	oa w
Cercyon atricapillus (Marsham)	1	1	32	rf
Cercyon sp.	1	1	32	u
Hydrobius fuscipes (Linnaeus)	1	1	32	oa w
Onthophilus striatus (Forster)	1	1	32	rt
Ptenidium sp.	1	1	32	rt
Acrotrichis sp. B	1	1	32	rt
Silphidae sp.	1	1	32	u
Scydmaenidae sp.	1	1	32	u
Xylodromus ?concinnus (Marsham)	1	1	32	rt
Platystethus arenarius (Fourcroy)	1	1	32	rf
Anotylus rugosus (Fabricius)	1	1	32	rt
Oxytelus sculptus Gravenhorst	1	1	32	rt
Stenus sp. A	1	1	32	u
Lithocharis ochracea (Gravenhorst)	1	1	32	rt
Leptacinus sp.	1	1	32	rt
Phacophallus parumpunctatus (Gyllenhal)	1	1	32	rt
Neobisnius sp.	1	1	32	u
Philonthus sp. A	1	1	32	u
Tachyporus ?hypnorum (Fabricius)	1	1	32	u

```
Tachyporus sp.                                    1    1    32   u
Cordalia obscura (Gravenhorst)                    1    1    32   rt
Aleocharinae sp. B                                1    1    32   u
Aleocharinae sp. D                                1    1    32   u
Geotrupes sp.                                     1    1    32   oa rf
Elateridae sp.                                    1    1    32   ob
Lyctus linearis (Goeze)                           1    1    32   l
Tenebroides mauritanicus (Linnaeus)               1    1    32   rt
Kateretes sp.                                     1    1    32   oa p d
Brachypterus sp.                                  1    1    32   oa p
?Epuraea sp.                                      1    1    32   u
Cryptophagus scutellatus Newman                   1    1    32   rd
Atomaria sp. A                                    1    1    32   rd
Atomaria sp. B                                    1    1    32   rd
Orthoperus sp.                                    1    1    32   rt
Enicmus sp.                                       1    1    32   rt
Dienerella sp.                                    1    1    32   rd
Anthicus formicarius (Goeze)                      1    1    32   rt
?Prasocuris phellandrii (Linnaeus)                1    1    32   oa p d
Galerucella sp.                                   1    1    32   oa p
Chaetocnema ?concinna (Marsham)                   1    1    32   oa p
Apion sp. A                                       1    1    32   oa p
Apion sp. B                                       1    1    32   oa p
?Hypera punctata (Fabricius)                      1    1    32   oa p
Ceuthorhynchinae sp.                              1    1    32   oa p
?Gymnetron sp.                                    1    1    32   oa p
Curculionidae sp. A                               1    1    32   oa
Curculionidae sp. B                               1    1    32   oa
Curculionidae sp. C                               1    1    32   oa
Scolytus sp.                                      1    1    32   l
```

Site: RB89 Context: 91 Sample: 4217/BT - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                         N =    216
Number of taxa                                             S =    102
Index of diversity (alpha)                             alpha =     75
Standard error of alpha                             SE alpha =      9
Number of 'certain' outdoor taxa                         SOA =     21
Percentage of 'certain' outdoor taxa                    %SOA =     21
Number of 'certain' outdoor individuals                  NOA =     31
Percentage of 'certain' outdoor individuals             %NOA =     14
Number of 'certain' and probable outdoor taxa            SOB =     30
Percentage of 'certain' and probable outdoor taxa       %SOB =     29
Number of 'certain' and probable outdoor individuals     NOB =     42
Percentage 'certain' and probable outdoor individuals   %NOB =     19
Index of diversity of outdoor component             alpha OB =     48
Standard error                                   SE alpha OB =     16
Number of aquatic taxa                                    SW =      7
Percentage of aquatic taxa                               %SW =      7
Number of aquatic individuals                            NW =     16
Percentage of aquatic individuals                        %NW =      7
Number of damp ground/waterside taxa                     SD =      3
Percentage of damp ground/waterside taxa                %SD =      3
Number of damp ground/waterside individuals              ND =      3
Percentage of damp ground/waterside individuals         %ND =      1
```

```
Number of strongly plant-associated taxa                  SP =      8
Percentage of strongly plant-associated taxa             %SP =      8
Number of strongly plant-associated individuals           NP =      9
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 =      1
Number of wood-associated individuals                     NL =      5
Percentage of wood-associated individuals                %NL =      2
Number of decomposer taxa                                SRT =     49
Percentage of decomposer taxa                           %SRT =     48
Number of decomposer individuals                         NRT =    118
Percentage of decomposer individuals                    %NRT =     55
Number of 'dry' decomposer taxa                          SRD =     10
Percentage of 'dry'decomposer taxa                      %SRD =     10
Number of 'dry' decomposer individuals                   NRD =     46
Percentage of 'dry'decomposer individuals               %NRD =     21
Number of 'foul' decomposer taxa                         SRF =     10
Percentage of 'foul' decomposer taxa                    %SRF =     10
Number of 'foul' decomposer individuals                  NRF =     19
Percentage of 'foul' decomposer individuals             %NRF =      9
Index of diversity of decomposer component          alpha RT =     32
Standard error                                   SE alpha RT =      5
Number of individuals of grain pests                      NG =     22
Percentage of individuals of grain pests                 %NG =     10
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                      NG =     22
Number of uncoded taxa                                    SU =     21
Percentage of uncoded individuals                        PNU =     16
```

**Site: RB89 Context: 91 Sample: 4217/BT - beetle/bug main statistics
re-run after subtraction of grain pest component**

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                         N =    194
Number of taxa                                             S =     98
Index of diversity (alpha)                             alpha =     79
Standard error of alpha                             SE alpha =     10
Number of 'certain' outdoor taxa                         SOA =     21
Percentage of 'certain' outdoor taxa                    %SOA =     21
Number of 'certain' outdoor individuals                  NOA =     31
Percentage of 'certain' outdoor individuals             %NOA =     16
Number of 'certain' and probable outdoor taxa            SOB =     30
Percentage of 'certain' and probable outdoor taxa       %SOB =     31
Number of 'certain' and probable outdoor individuals     NOB =     42
Percentage 'certain' and probable outdoor individuals   %NOB =     22
Index of diversity of outdoor component             alpha OB =     48
Standard error                                   SE alpha OB =     16
Number of aquatic taxa                                    SW =      7
Percentage of aquatic taxa                               %SW =      7
Number of aquatic individuals                             NW =     16
Percentage of aquatic individuals                        %NW =      8
Number of damp ground/waterside taxa                      SD =      3
Percentage of damp ground/waterside taxa                 %SD =      3
Number of damp ground/waterside individuals               ND =      3
```

```
Percentage of damp ground/waterside individuals      %ND =      2
Number of strongly plant-associated taxa              SP =      8
Percentage of strongly plant-associated taxa         %SP =      8
Number of strongly plant-associated individuals       NP =      9
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 =      3
Number of decomposer taxa                            SRT =     49
Percentage of decomposer taxa                       %SRT =     50
Number of decomposer individuals                     NRT =    118
Percentage of decomposer individuals                %NRT =     61
Number of 'dry' decomposer taxa                      SRD =     10
Percentage of 'dry'decomposer taxa                  %SRD =     10
Number of 'dry' decomposer individuals               NRD =     46
Percentage of 'dry'decomposer individuals           %NRD =     24
Number of 'foul' decomposer taxa                     SRF =     10
Percentage of 'foul' decomposer taxa                %SRF =     10
Number of 'foul' decomposer individuals              NRF =     19
Percentage of 'foul' decomposer individuals         %NRF =     10
Index of diversity of decomposer component       alpha RT =     32
Standard error                                SE alpha RT =      5
Number of individuals of grain pests                  NG =     22
Number of uncoded taxa                                SU =     21
Percentage of uncoded individuals                    PNU =     18
```

Site: RB89 Context: 91 Sample: 4217/BT - species list in rank order

```
Taxon                                      Number    %    Rank  Ecodes

Lathridius minutus group                      21    10       1  rd
Cryptolestes ferrugineus (Stephens)          10     5       2  g
Cryptophagus sp. A                            9     4       3  rd
Falagria sp.                                  6     3       4  rt
Cercyon analis (Paykull)                      5     2       5  rt
Acrotrichis sp. A                             5     2       5  rt
Philonthus sp. A                              5     2       5  u
Anobium punctatum (Degeer)                    5     2       5  l
Sitophilus granarius (Linnaeus)               5     2       5  g
Helophorus sp. D                              4     2      10  oa w
Cercyon atricapillus (Marsham)                4     2      10  rf
Ptinus fur (Linnaeus)                         4     2      10  rd
Oryzaephilus surinamensis (Linnaeus)          4     2      10  g
Atomaria sp. D                                4     2      10  rd
Helophorus sp. B                              3     1      15  oa w
Helophorus sp. C                              3     1      15  oa w
Cercyon sp. B                                 3     1      15  u
Platystethus arenarius (Fourcroy)             3     1      15  rf
Aleocharinae sp. F                            3     1      15  u
Aphodius sp. B                                3     1      15  ob rf
Monotoma sp.                                  3     1      15  rt
Enicmus sp.                                   3     1      15  rt
Typhaea stercorea (Linnaeus)                  3     1      15  rd
Palorus ratzeburgi (Wissman)                  3     1      15  g
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Helophorus sp. A                              2    1    25    oa w
Cercyon terminatus (Marsham)                  2    1    25    rf
Cercyon unipunctatus (Linnaeus)               2    1    25    rf
Megasternum obscurum (Marsham)                2    1    25    rt
Acritus nigricornis (Hoffmann)                2    1    25    rt
Ochthebius ?minimus (Fabricius)               2    1    25    oa w
Carpelimus ?bilineatus Stephens               2    1    25    rt
Leptacinus pusillus (Stephens)                2    1    25    rt
Gyrohypnus fracticornis (Muller)              2    1    25    rt
Xantholinus longiventris Heer                 2    1    25    rt
Philonthus sp. C                              2    1    25    u
Tachyporus sp.                                2    1    25    u
Cordalia obscura (Gravenhorst)                2    1    25    rt
Aleocharinae sp. D                            2    1    25    u
Aleocharinae sp. E                            2    1    25    u
Aleocharinae sp. H                            2    1    25    u
Gymnetron sp.                                 2    1    25    oa p
Clivina fossor (Linnaeus)                     1    0    42    oa
Pterostichus sp. A                            1    0    42    ob
Pterostichus sp. B                            1    0    42    ob
?Harpalus sp.                                 1    0    42    oa
Carabidae sp. A                               1    0    42    ob
Carabidae sp. B                               1    0    42    ob
Carabidae sp. C                               1    0    42    ob
Helophorus tuberculatus Gyllenhal             1    0    42    oa
Sphaeridium bipustulatum Fabricius            1    0    42    rf
Cercyon haemorrhoidalis (Fabricius)           1    0    42    rf
Cercyon sp. A                                 1    0    42    u
Cryptopleurum minutum (Fabricius)             1    0    42    rf
Hydrobius fuscipes (Linnaeus)                 1    0    42    oa w
Onthophilus striatus (Forster)                1    0    42    rt
Limnebius ?truncatellus (Thunberg)            1    0    42    oa w
Ptenidium sp.                                 1    0    42    rt
Acrotrichis sp. B                             1    0    42    rt
Scydmaenus tarsatus (Muller & Kunze)          1    0    42    rt
Dropephylla sp.                               1    0    42    u
Coprophilus striatulus (Fabricius)            1    0    42    rt
Carpelimus pusillus group                     1    0    42    u
Platystethus ?alutaceus Thomson               1    0    42    oa d
Anotylus nitidulus (Gravenhorst)              1    0    42    rt d
Anotylus rugosus (Fabricius)                  1    0    42    rt
Anotylus tetracarinatus (Block)               1    0    42    rt
Anotylus sp.                                  1    0    42    rt
Oxytelus sculptus Gravenhorst                 1    0    42    rt
Stenus sp. A                                  1    0    42    u
Stenus sp. B                                  1    0    42    u
Rugilus orbiculatus (Paykull)                 1    0    42    rt
Philonthus sp. B                              1    0    42    u
Philonthus sp. D                              1    0    42    u
Staphylininae sp.                             1    0    42    u
Tachinus ?signatus Gravenhorst                1    0    42    u
Aleocharinae sp. A                            1    0    42    u
Aleocharinae sp. B                            1    0    42    u
Aleocharinae sp. C                            1    0    42    u
Aleocharinae sp. G                            1    0    42    u
Aphodius sp. A                                1    0    42    ob rf
Aphodius sp. C                                1    0    42    ob rf
Phyllopertha horticola (Linnaeus)             1    0    42    oa p
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Cyphon sp.                                       1    0    42   oa d
Elateridae sp.                                   1    0    42   ob
?Tenebroides mauritanicus (Linnaeus)             1    0    42   rt
Brachypterus sp.                                 1    0    42   oa p
Omosita sp.                                      1    0    42   rt
Cryptophagus sp. B                               1    0    42   rd
Atomaria sp. A                                   1    0    42   rd
Atomaria sp. B                                   1    0    42   rd
Atomaria sp. C                                   1    0    42   rd
Ephistemus globulus (Paykull)                    1    0    42   rd
Corticaria sp.                                   1    0    42   rt
Corticarina sp.                                  1    0    42   rt
Tenebrio obscurus Fabricius                      1    0    42   rt
Anthicus formicarius (Goeze)                     1    0    42   rt
?Phaedon sp.                                     1    0    42   oa p
Apion sp.                                        1    0    42   oa p
?Sitona sp.                                      1    0    42   oa p
Hypera sp.                                       1    0    42   oa p
Cidnorhinus quadrimaculatus (Linnaeus)           1    0    42   oa p
Curculionidae sp.                                1    0    42   oa
```

Site: RB89 Context: 296 Sample: 4221/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                    N =    148
Number of taxa                                        S =     93
Index of diversity (alpha)                        alpha =    107
Standard error of alpha                        SE alpha =     17
Number of 'certain' outdoor taxa                    SOA =     46
Percentage of 'certain' outdoor taxa               %SOA =     49
Number of 'certain' outdoor individuals             NOA =     83
Percentage of 'certain' outdoor individuals        %NOA =     56
Number of 'certain' and probable outdoor taxa       SOB =     55
Percentage of 'certain' and probable outdoor taxa  %SOB =     59
Number of 'certain' and probable outdoor individuals NOB =    94
Percentage 'certain' and probable outdoor individuals %NOB = 64
Index of diversity of outdoor component        alpha OB =     55
Standard error                              SE alpha OB =     10
Number of aquatic taxa                               SW =     16
Percentage of aquatic taxa                          %SW =     17
Number of aquatic individuals                        NW =     42
Percentage of aquatic individuals                   %NW =     28
Number of damp ground/waterside taxa                 SD =      4
Percentage of damp ground/waterside taxa            %SD =      4
Number of damp ground/waterside individuals          ND =      6
Percentage of damp ground/waterside individuals     %ND =      4
Number of strongly plant-associated taxa             SP =     19
Percentage of strongly plant-associated taxa        %SP =     20
Number of strongly plant-associated individuals      NP =     30
Percentage of strongly plant-associated individuals %NP =     20
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 =      1
```

```
Number of decomposer taxa                           SRT  =      19
Percentage of decomposer taxa                      %SRT  =      20
Number of decomposer individuals                    NRT  =      29
Percentage of decomposer individuals               %NRT  =      20
Number of 'dry' decomposer taxa                     SRD  =       2
Percentage of 'dry'decomposer taxa                 %SRD  =       2
Number of 'dry' decomposer individuals              NRD  =       2
Percentage of 'dry'decomposer individuals          %NRD  =       1
Number of 'foul' decomposer taxa                    SRF  =       6
Percentage of 'foul' decomposer taxa               %SRF  =       6
Number of 'foul' decomposer individuals             NRF  =      11
Percentage of 'foul' decomposer individuals        %NRF  =       7
Index of diversity of decomposer component     alpha RT  =      24
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  =      19
Percentage of uncoded individuals                   PNU  =      18
```

Site: RB89 Context: 296 Sample: 4221/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Tanysphyrus lemnae (Paykull)	7	5	1	oa w p
Helophorus sp. B	6	4	2	oa w
Auchenorhyncha sp. A	5	3	3	oa p
Hydrobius fuscipes (Linnaeus)	5	3	3	oa w
Hydraena sp.	5	3	3	oa w
Aleocharinae sp. A	5	3	3	u
Cercyon haemorrhoidalis (Fabricius)	4	3	7	rf
Anotylus rugosus (Fabricius)	4	3	7	rt
Harpalus sp.	3	2	9	oa
Anacaena sp.	3	2	9	oa w
Ochthebius minimus (Fabricius)	3	2	9	oa w
Carpelimus elongatulus (Erichson)	3	2	9	oa d
Stenus sp. D	3	2	9	u
Aphodius ?prodromus (Brahm)	3	2	9	ob rf
Bembidion (Philochthus) sp.	2	1	15	oa
Hydroporinae sp. B	2	1	15	oa w
Helophorus aquaticus or grandis	2	1	15	oa w
Cercyon ?analis (Paykull)	2	1	15	rt
Limnebius sp.	2	1	15	oa w
Ptenidium sp.	2	1	15	rt
Olophrum sp.	2	1	15	oa
Tachinus sp.	2	1	15	u
Aleocharinae sp. C	2	1	15	u
Gastrophysa viridula (Degeer)	2	1	15	oa p
Lygaeidae sp.	1	1	25	oa p
Saldidae sp.	1	1	25	oa d
Heteroptera sp.	1	1	25	u
Auchenorhyncha sp. B	1	1	25	oa p
Auchenorhyncha sp. C	1	1	25	oa p
Auchenorhyncha sp. D	1	1	25	oa p
Leistus sp.	1	1	25	oa
Loricera pilicornis (Fabricius)	1	1	25	oa
Clivina fossor (Linnaeus)	1	1	25	oa
?Patrobus sp.	1	1	25	oa

Pterostichus diligens or strenuus	1	1	25	oa
Pterostichus sp. A	1	1	25	ob
Pterostichus sp. B	1	1	25	ob
Carabidae sp.	1	1	25	ob
Hydroporinae sp. A	1	1	25	oa w
Hydroporinae sp. C	1	1	25	oa w
Hydroporinae sp. D	1	1	25	oa w
Agabus bipustulatus (Linnaeus)	1	1	25	oa w
Helophorus sp. A	1	1	25	oa w
Cercyon ?lateralis (Marsham)	1	1	25	rf
Cercyon unipunctatus (Linnaeus)	1	1	25	rf
Cercyon ustulatus (Preyssler)	1	1	25	oa d
Megasternum obscurum (Marsham)	1	1	25	rt
Cryptopleurum minutum (Fabricius)	1	1	25	rf
?Hydrophilinae sp.	1	1	25	oa w
Ochthebius sp.	1	1	25	oa w
Acrotrichis sp.	1	1	25	rt
Scydmaenidae sp.	1	1	25	u
Micropeplus fulvus Erichson	1	1	25	rt
Phyllodrepa sp.	1	1	25	rt
Carpelimus ?bilineatus Stephens	1	1	25	rt
Aploderus caelatus (Gravenhorst)	1	1	25	rt
Anotylus tetracarinatus (Block)	1	1	25	rt
Stenus sp. A	1	1	25	u
Stenus sp. B	1	1	25	u
Stenus sp. C	1	1	25	u
Lathrobium sp.	1	1	25	u
Xantholinus sp.	1	1	25	u
Philonthus sp.	1	1	25	u
Staphylininae sp. A	1	1	25	u
Staphylininae sp. B	1	1	25	u
Tachinus signatus Gravenhorst	1	1	25	u
Falagria or Cordalia sp.	1	1	25	rt
Aleocharinae sp. B	1	1	25	u
Aleocharinae sp. D	1	1	25	u
Pselaphidae sp.	1	1	25	u
Aphodius sp.	1	1	25	ob rf
Cyphon sp.	1	1	25	oa d
Elateridae sp. A	1	1	25	ob
Elateridae sp. B	1	1	25	ob
Elateridae sp. C	1	1	25	ob
Elateridae sp. D	1	1	25	ob
Grynobius planus (Fabricius)	1	1	25	l
Anobium punctatum (Degeer)	1	1	25	l
Brachypterus sp.	1	1	25	oa p
Cryptophagus sp.	1	1	25	rd
Atomaria sp.	1	1	25	rd
Phaedon sp.	1	1	25	oa p
Hydrothassa ?marginella (Linnaeus)	1	1	25	oa p
Chrysomelinae sp. A	1	1	25	oa p
Chrysomelinae sp. B	1	1	25	oa p
Chrysomelinae sp. C	1	1	25	oa p
?Chaetocnema concinna (Marsham)	1	1	25	oa p
Halticinae sp.	1	1	25	oa p
Phyllobius or Polydrusus sp.	1	1	25	oa p
Leiosoma sp.	1	1	25	oa p
Cidnorhinus quadrimaculatus (Linnaeus)	1	1	25	oa p
Rhinoncus sp.	1	1	25	oa p

Coleoptera sp.   1   1   25   u

Site: RB89 Context: 301 Sample: 4225/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

Number of individuals estimated as   N =   17
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 =   12
Number of 'certain' and probable outdoor taxa   SOB =   3
Percentage of 'certain' and probable outdoor taxa   %SOB =   18
Number of 'certain' and probable outdoor individuals   NOB =   3
Percentage 'certain' and probable outdoor individuals   %NOB =   18
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 =   1
Percentage of strongly plant-associated taxa   %SP =   6
Number of strongly plant-associated individuals   NP =   1
Percentage of strongly plant-associated individuals   %NP =   6
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 =   9
Percentage of decomposer taxa   %SRT =   53
Number of decomposer individuals   NRT =   9
Percentage of decomposer individuals   %NRT =   53
Number of 'dry' decomposer taxa   SRD =   3
Percentage of 'dry'decomposer taxa   %SRD =   18
Number of 'dry' decomposer individuals   NRD =   3
Percentage of 'dry'decomposer individuals   %NRD =   18
Number of 'foul' decomposer taxa   SRF =   1
Percentage of 'foul' decomposer taxa   %SRF =   6
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 =   3
Percentage of individuals of grain pests   %NG =   18
Number of individuals of grain pests   NG =   3
Number of uncoded taxa   SU =   2
Percentage of uncoded individuals   PNU =   12

Site: RB89 Context: 301 Sample: 4225/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Auchenorhyncha sp.	1	6	1	oa p
Helophorus sp.	1	6	1	oa w
Cercyon sp.	1	6	1	u
Megasternum obscurum (Marsham)	1	6	1	rt
Oxytelus sculptus Gravenhorst	1	6	1	rt
Leptacinus sp.	1	6	1	rt
Aleocharinae sp.	1	6	1	u
Aphodius sp.	1	6	1	ob rf
Anobium punctatum (Degeer)	1	6	1	l
Cryptolestes ferrugineus (Stephens)	1	6	1	g
Oryzaephilus surinamensis (Linnaeus)	1	6	1	g
Cryptophagus sp.	1	6	1	rd
Atomaria sp.	1	6	1	rd
Lathridius minutus group	1	6	1	rd
Corticaria sp.	1	6	1	rt
Tenebrio obscurus Fabricius	1	6	1	rt
Sitophilus granarius (Linnaeus)	1	6	1	g

Site: RB89 Context: 296 Sample: 4229/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	249
Number of taxa	S =	125
Index of diversity (alpha)	alpha =	100
Standard error of alpha	SE alpha =	11
Number of 'certain' outdoor taxa	SOA =	66
Percentage of 'certain' outdoor taxa	%SOA =	53
Number of 'certain' outdoor individuals	NOA =	145
Percentage of 'certain' outdoor individuals	%NOA =	58
Number of 'certain' and probable outdoor taxa	SOB =	75
Percentage of 'certain' and probable outdoor taxa	%SOB =	60
Number of 'certain' and probable outdoor individuals	NOB =	158
Percentage 'certain' and probable outdoor individuals	%NOB =	63
Index of diversity of outdoor component	alpha OB =	56
Standard error	SE alpha OB =	7
Number of aquatic taxa	SW =	25
Percentage of aquatic taxa	%SW =	20
Number of aquatic individuals	NW =	85
Percentage of aquatic individuals	%NW =	34
Number of damp ground/waterside taxa	SD =	7
Percentage of damp ground/waterside taxa	%SD =	6
Number of damp ground/waterside individuals	ND =	11
Percentage of damp ground/waterside individuals	%ND =	4
Number of strongly plant-associated taxa	SP =	30
Percentage of strongly plant-associated taxa	%SP =	24
Number of strongly plant-associated individuals	NP =	49
Percentage of strongly plant-associated individuals	%NP =	20
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 =	1

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Number of decomposer taxa                            SRT =      28
Percentage of decomposer taxa                       %SRT =      22
Number of decomposer individuals                     NRT =      59
Percentage of decomposer individuals                %NRT =      24
Number of 'dry' decomposer taxa                      SRD =       3
Percentage of 'dry'decomposer taxa                  %SRD =       2
Number of 'dry' decomposer individuals               NRD =       4
Percentage of 'dry'decomposer individuals           %NRD =       2
Number of 'foul' decomposer taxa                     SRF =       9
Percentage of 'foul' decomposer taxa                %SRF =       7
Number of 'foul' decomposer individuals              NRF =      25
Percentage of 'foul' decomposer individuals         %NRF =      10
Index of diversity of decomposer component       alpha RT =      21
Standard error                                SE alpha RT =       5
Number of individuals of grain pests                  NG =       1
Percentage of individuals of grain pests             %NG =       0
Number of individuals of grain pests                  NG =       1
Number of uncoded taxa                                SU =      23
Percentage of uncoded individuals                    PNU =      14
```

Site: RB89 Context: 296 Sample: 4229/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp. A	27	11	1	oa w
Cercyon haemorrhoidalis (Fabricius)	8	3	2	rf
Hydroporinae sp. B	7	3	3	oa w
Aleocharinae sp. E	7	3	3	u
Tachinus laticollis or marginellus	6	2	5	u
Hydroporinae sp. A	5	2	6	oa w
Helophorus aequalis (Thomson)	5	2	6	oa w
Helophorus sp. B	5	2	6	oa w
Anacaena sp.	5	2	6	oa w
Cercyon lateralis (Marsham)	4	2	10	rf
Acrotrichis sp.	4	2	10	rt
Aphodius sp. B	4	2	10	ob rf
Chaetocnema concinna (Marsham)	4	2	10	oa p
Anthocoris sp.	3	1	14	oa p
Auchenorhyncha sp. A	3	1	14	oa p
Auchenorhyncha sp. F	3	1	14	oa p
Helophorus grandis Illiger	3	1	14	oa w
Cercyon lugubris (Olivier)	3	1	14	rt
Cercyon melanocephalus (Linnaeus)	3	1	14	rt
Hydrobius fuscipes (Linnaeus)	3	1	14	oa w
Hydrophilinae sp. A	3	1	14	oa w
Platystethus arenarius (Fourcroy)	3	1	14	rf
Anotylus nitidulus (Gravenhorst)	3	1	14	rt d
Anotylus tetracarinatus (Block)	3	1	14	rt
Kateretes rufilabris (Latreille)	3	1	14	oa p d
Meligethes sp.	3	1	14	oa p
Gastrophysa viridula (Degeer)	3	1	14	oa p
Auchenorhyncha sp. E	2	1	28	oa p
Haliplidae sp.	2	1	28	u
Hydroporinae sp. C	2	1	28	oa w
Agabus sp.	2	1	28	oa w
Dytiscidae sp.	2	1	28	oa w
Hygrotus inaequalis (Fabricius)	2	1	28	oa w

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Ochthebius sp.                                 2    1    28    oa w
Limnebius sp. B                                2    1    28    oa w
Anotylus rugosus (Fabricius)                   2    1    28    rt
Anotylus sculpturatus group                    2    1    28    rt
Gyrohypnus fracticornis (Muller)               2    1    28    rt
Philonthus sp. B                               2    1    28    u
Aphodius sp. A                                 2    1    28    ob rf
Anobium punctatum (Degeer)                     2    1    28    l
Brachypterus sp.                               2    1    28    oa p
Lathridius minutus group                       2    1    28    rd
Phyllobius or Polydrusus sp.                   2    1    28    oa p
Cidnorhinus quadrimaculatus (Linnaeus)         2    1    28    oa p
Ilybius sp.                                    1    0    46    oa w
?Scolopostethus sp.                            1    0    46    oa p
?Miridae sp.                                   1    0    46    oa p
Saldidae sp.                                   1    0    46    oa d
Hydrometra sp.                                 1    0    46    oa w
Corixidae sp.                                  1    0    46    oa w
Heteroptera sp.                                1    0    46    u
Auchenorhyncha sp. B                           1    0    46    oa p
Auchenorhyncha sp. D                           1    0    46    oa p
Auchenorhyncha sp. G                           1    0    46    oa p
Clivina fossor (Linnaeus)                      1    0    46    oa
Trechus obtusus or quadristriatus              1    0    46    oa
Bembidion lampros or properans                 1    0    46    oa
Pterostichus sp.                               1    0    46    ob
Agonum albipes (Fabricius)                     1    0    46    oa d
Agonum dorsale (Pontoppidan)                   1    0    46    oa
Agonum sp.                                     1    0    46    oa
Amara sp.                                      1    0    46    oa
Harpalus sp.                                   1    0    46    oa
?Bradycellus sp.                               1    0    46    oa
Carabidae sp. A                                1    0    46    ob
Carabidae sp. B                                1    0    46    ob
Carabidae sp. C                                1    0    46    ob
Agabus bipustulatus (Linnaeus)                 1    0    46    oa w
Colymbetes fuscus (Linnaeus)                   1    0    46    oa w
Helophorus sp. C                               1    0    46    oa w
Sphaeridium sp.                                1    0    46    rf
Cercyon analis (Paykull)                       1    0    46    rt
Megasternum obscurum (Marsham)                 1    0    46    rt
Cryptopleurum minutum (Fabricius)              1    0    46    rf
Hydrophilinae sp. B                            1    0    46    oa w
Hydraena sp.                                   1    0    46    oa w
Limnebius sp. A                                1    0    46    oa w
Megarthrus sp.                                 1    0    46    rt
Lesteva sp.                                    1    0    46    oa d
Omalium sp. A                                  1    0    46    rt
Omalium sp. B                                  1    0    46    rt
Oxytelus ?laqueatus (Marsham)                  1    0    46    rf
Stenus sp. A                                   1    0    46    u
Stenus sp. B                                   1    0    46    u
Stenus sp. C                                   1    0    46    u
Xantholinus sp.                                1    0    46    u
Philonthus sp. A                               1    0    46    u
Philonthus sp. C                               1    0    46    u
Staphylinus sp.                                1    0    46    u
Staphylininae sp.                              1    0    46    u
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Tachyporus ?obtusus (Linnaeus)                    1    0   46   u
Tachyporus sp.                                    1    0   46   u
Tachinus ?signatus Gravenhorst                    1    0   46   u
Aleocharinae sp. A                                1    0   46   u
Aleocharinae sp. B                                1    0   46   u
Aleocharinae sp. C                                1    0   46   u
Aleocharinae sp. D                                1    0   46   u
Pselaphidae sp.                                   1    0   46   u
Aphodius sp. C                                    1    0   46   ob rf
Dascillus cervinus (Linnaeus)                     1    0   46   oa p
Cyphon sp.                                        1    0   46   oa d
Ctenicera cuprea (Fabricius)                      1    0   46   oa p
Elateridae sp. A                                  1    0   46   ob
Elateridae sp. B                                  1    0   46   ob
Cryptophagus sp. A                                1    0   46   rd
Cryptophagus sp. B                                1    0   46   rd
Enicmus sp.                                       1    0   46   rt
Cortinicara gibbosa (Herbst)                      1    0   46   rt
Tenebrio obscurus Fabricius                       1    0   46   rt
Prasocuris junci (Brahm)                          1    0   46   oa p d
Chrysomelinae sp. A                               1    0   46   oa p
Chrysomelinae sp. B                               1    0   46   oa p
Chrysomelinae sp. C                               1    0   46   oa p
Apion sp. A                                       1    0   46   oa p
Apion sp. B                                       1    0   46   oa p
Apion sp. C                                       1    0   46   oa p
Apion sp. D                                       1    0   46   oa p
Sitona lepidus Gyllenhal                          1    0   46   oa p
Tanysphyrus lemnae (Paykull)                      1    0   46   oa w p
Sitophilus granarius (Linnaeus)                   1    0   46   g
Ceuthorhynchinae sp.                              1    0   46   oa p
Gymnetron sp.                                     1    0   46   oa p
Coleoptera sp. A                                  1    0   46   u
Coleoptera sp. B                                  1    0   46   u
```

Site: RB89; Context: 266; Sample: 4231

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 305 Sample: 4237/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                    N =      37
Number of taxa                                        S =      29
Index of diversity (alpha)                        alpha =      61
Standard error of alpha                        SE alpha =      23
Number of 'certain' outdoor taxa                    SOA =       5
Percentage of 'certain' outdoor taxa               %SOA =      17
Number of 'certain' outdoor individuals             NOA =       6
Percentage of 'certain' outdoor individuals        %NOA =      16
Number of 'certain' and probable outdoor taxa       SOB =       7
```

```
Percentage of 'certain' and probable outdoor taxa          %SOB =     24
Number of 'certain' and probable outdoor individuals       NOB =       8
Percentage 'certain' and probable outdoor individuals    %NOB =     22
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 =        3
Number of strongly plant-associated taxa                   SP =        4
Percentage of strongly plant-associated taxa              %SP =       14
Number of strongly plant-associated individuals            NP =        5
Percentage of strongly plant-associated individuals       %NP =       14
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 =        3
Number of decomposer taxa                                  SRT =      14
Percentage of decomposer taxa                             %SRT =      48
Number of decomposer individuals                           NRT =      18
Percentage of decomposer individuals                      %NRT =      49
Number of 'dry' decomposer taxa                            SRD =       3
Percentage of 'dry'decomposer taxa                        %SRD =      10
Number of 'dry' decomposer individuals                     NRD =       4
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 =       8
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                       NG =        4
Percentage of individuals of grain pests                  %NG =       11
Number of individuals of grain pests                       NG =        4
Number of uncoded taxa                                     SU =        6
Percentage of uncoded individuals                          PNU =      19
```

Site: RB89 Context: 305 Sample: 4237/T - species list in rank order

```
Taxon                                       Number    %   Rank Ecodes


Cryptolestes ferrugineus (Stephens)            3      8     1  g
Cercyon analis (Paykull)                       2      5     2  rt
Cercyon atricapillus (Marsham)                 2      5     2  rf
Acrotrichis sp.                                2      5     2  rt
Aleocharinae sp. A                             2      5     2  u
Lathridius minutus group                       2      5     2  rd
Ceutorhynchus sp.                              2      5     2  oa p
Auchenorhyncha sp.                             1      3     8  oa p
Clivina sp.                                    1      3     8  oa
Carabidae sp.                                  1      3     8  ob
Megasternum obscurum (Marsham)                 1      3     8  rt
Ptenidium sp.                                  1      3     8  rt
```

```
Anotylus nitidulus (Gravenhorst)                   1    3    8   rt d
Lithocharis ochracea (Gravenhorst)                 1    3    8   rt
Neobisnius sp.                                      1    3    8   u
Philonthus sp. A                                   1    3    8   u
Philonthus sp. B                                   1    3    8   u
Staphylininae sp.                                  1    3    8   u
Cordalia obscura (Gravenhorst)                     1    3    8   rt
?Crataraea suturalis (Mannerheim)                  1    3    8   rt
Aleocharinae sp. B                                 1    3    8   u
Aphodius sp.                                        1    3    8   ob rf
Anobium punctatum (Degeer)                         1    3    8   l
?Brachypterus sp.                                  1    3    8   oa p
Meligethes sp.                                     1    3    8   oa p
Oryzaephilus surinamensis (Linnaeus)               1    3    8   g
Atomaria sp. A                                     1    3    8   rd
Atomaria sp. B                                     1    3    8   rd
Anthicus floralis or formicarius                   1    3    8   rt
```

Site: RB89; Context: 306; Sample: 4240/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 307; Sample: 4242/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 308 Sample: 4244/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 308 Sample: 4244/T - species list in rank order

Taxon   Number   % Rank Ecodes

Oxytelus sculptus Gravenhorst   1 100   1 rt

Site: RB89 Context: 298 Sample: 4245/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 298 Sample: 4245/T - species list in rank order

```
Taxon                                           Number    %   Rank Ecodes

Carabidae sp.                                       1    33    1   ob
Cryptolestes ferrugineus (Stephens)                 1    33    1   g
Sitophilus granarius (Linnaeus)                     1    33    1   g
```

Site: RB89 Context: 299 Sample: 4247/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                   N =      13
Number of taxa                                       S =      12
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                   SOA =       1
Percentage of 'certain' outdoor taxa              %SOA =       8
Number of 'certain' outdoor individuals            NOA =       1
Percentage of 'certain' outdoor individuals       %NOA =       8
Number of 'certain' and probable outdoor taxa      SOB =       4
Percentage of 'certain' and probable outdoor taxa %SOB =      33
Number of 'certain' and probable outdoor individuals NOB =     4
Percentage 'certain' and probable outdoor individuals %NOB =  31
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                              SW =       1
Percentage of aquatic taxa                         %SW =       8
Number of aquatic individuals                       NW =       1
Percentage of aquatic individuals                  %NW =       8
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 =       0
Number of wood-associated individuals               NL =       0
Percentage of wood-associated individuals          %NL =       0
Number of decomposer taxa                          SRT =       6
Percentage of decomposer taxa                     %SRT =      50
Number of decomposer individuals                   NRT =       6
Percentage of decomposer individuals              %NRT =      46
Number of 'dry' decomposer taxa                    SRD =       1
Percentage of 'dry'decomposer taxa                %SRD =       8
Number of 'dry' decomposer individuals             NRD =       1
Percentage of 'dry'decomposer individuals         %NRD =       8
Number of 'foul' decomposer taxa                   SRF =       2
Percentage of 'foul' decomposer taxa              %SRF =      17
Number of 'foul' decomposer individuals            NRF =       2
Percentage of 'foul' decomposer individuals       %NRF =      15
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                NG =       2
```

```
Percentage of individuals of grain pests          %NG =      15
Number of individuals of grain pests              NG  =       2
Number of uncoded taxa                            SU  =       2
Percentage of uncoded individuals                 PNU =      15
```

Site: RB89 Context: 299 Sample: 4247/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Sitophilus granarius (Linnaeus)	2	15	1	g
Carabidae sp. A	1	8	2	ob
Carabidae sp. B	1	8	2	ob
Helophorus sp.	1	8	2	oa w
Cercyon unipunctatus (Linnaeus)	1	8	2	rf
Carpelimus ?bilineatus Stephens	1	8	2	rt
Staphylininae sp. A	1	8	2	u
Staphylininae sp. B	1	8	2	u
Aphodius sp.	1	8	2	ob rf
Corticaria sp.	1	8	2	rt
Typhaea stercorea (Linnaeus)	1	8	2	rd
?Aglenus brunneus (Gyllenhal)	1	8	2	rt

Site: RB89 Context: 310 Sample: 4250/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                     N =      47
Number of taxa                                         S =      31
Index of diversity (alpha)                         alpha =      40
Standard error of alpha                         SE alpha =      12
Number of 'certain' outdoor taxa                     SOA =       9
Percentage of 'certain' outdoor taxa                %SOA =      29
Number of 'certain' outdoor individuals              NOA =      11
Percentage of 'certain' outdoor individuals         %NOA =      23
Number of 'certain' and probable outdoor taxa        SOB =      13
Percentage of 'certain' and probable outdoor taxa   %SOB =      42
Number of 'certain' and probable outdoor individuals NOB =      15
Percentage 'certain' and probable outdoor individuals %NOB =     32
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                SW =       4
Percentage of aquatic taxa                           %SW =      13
Number of aquatic individuals                         NW =       6
Percentage of aquatic individuals                    %NW =      13
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 =       5
Percentage of strongly plant-associated taxa         %SP =      16
Number of strongly plant-associated individuals       NP =       5
Percentage of strongly plant-associated individuals  %NP =      11
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 =        8
Percentage of decomposer taxa                         %SRT =       26
Number of decomposer individuals                       NRT =       11
Percentage of decomposer individuals                  %NRT =       23
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 =       15
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
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                    NG =       12
Percentage of individuals of grain pests               %NG =       26
Number of individuals of grain pests                    NG =       12
Number of uncoded taxa                                  SU =        9
Percentage of uncoded individuals                      PNU =       21
```

Site: RB89 Context: 310 Sample: 4250/T - species list in rank order

```
Taxon                                     Number     %   Rank Ecodes

Sitophilus granarius (Linnaeus)               7     15      1 g
Cryptolestes ferrugineus (Stephens)           5     11      2 g
Helophorus sp. A                              3      6      3 oa w
Lathridius minutus group                      3      6      3 rd
Aleocharinae sp. B                            2      4      5 u
Cryptophagus sp. A                            2      4      5 rd
Lygaeidae sp.                                 1      2      7 oa p
Berytinus sp.                                 1      2      7 oa p
Auchenorhyncha sp. A                          1      2      7 oa p
Auchenorhyncha sp. B                          1      2      7 oa p
Carabidae sp. A                               1      2      7 ob
Carabidae sp. B                               1      2      7 ob
Hydroporinae sp.                              1      2      7 oa w
Helophorus aquaticus or grandis               1      2      7 oa w
Helophorus sp. B                              1      2      7 oa w
?Cercyon sp.                                  1      2      7 u
Anotylus tetracarinatus (Block)               1      2      7 rt
Stenus sp.                                    1      2      7 u
Lathrobium sp.                                1      2      7 u
Xantholinus sp.                               1      2      7 u
Aleocharinae sp. A                            1      2      7 u
Aleocharinae sp. C                            1      2      7 u
Aphodius sp.                                  1      2      7 ob rf
Phyllopertha horticola (Linnaeus)             1      2      7 oa p
Elateridae sp.                                1      2      7 ob
Omosita sp.                                   1      2      7 rt
Cryptophagus sp. B                            1      2      7 rd
Atomaria sp.                                  1      2      7 rd
Enicmus sp.                                   1      2      7 rt
Coleoptera sp. A                              1      2      7 u
Coleoptera sp. B                              1      2      7 u
```

Site: RB89; Context: 3234; Sample: 4257/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 286; Sample: 4258/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 327 Sample: 4266/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                       N =    15
Number of taxa                                           S =    13
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                       SOA =     4
Percentage of 'certain' outdoor taxa                  %SOA =    31
Number of 'certain' outdoor individuals                NOA =     5
Percentage of 'certain' outdoor individuals           %NOA =    33
Number of 'certain' and probable outdoor taxa          SOB =     5
Percentage of 'certain' and probable outdoor taxa     %SOB =    38
Number of 'certain' and probable outdoor individuals   NOB =     6
Percentage 'certain' and probable outdoor individuals %NOB =    40
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                  SW =     2
Percentage of aquatic taxa                             %SW =    15
Number of aquatic individuals                           NW =     3
Percentage of aquatic individuals                      %NW =    20
Number of damp ground/waterside taxa                    SD =     1
Percentage of damp ground/waterside taxa               %SD =     8
Number of damp ground/waterside individuals             ND =     1
Percentage of damp ground/waterside individuals        %ND =     7
Number of strongly plant-associated taxa                SP =     1
Percentage of strongly plant-associated taxa           %SP =     8
Number of strongly plant-associated individuals         NP =     1
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 =     0
Number of wood-associated individuals                   NL =     0
Percentage of wood-associated individuals              %NL =     0
Number of decomposer taxa                              SRT =     5
Percentage of decomposer taxa                         %SRT =    38
Number of decomposer individuals                       NRT =     6
Percentage of decomposer individuals                  %NRT =    40
Number of 'dry' decomposer taxa                        SRD =     1
Percentage of 'dry'decomposer taxa                    %SRD =     8
Number of 'dry' decomposer individuals                 NRD =     2
Percentage of 'dry'decomposer individuals             %NRD =    13
Number of 'foul' decomposer taxa                       SRF =     1
Percentage of 'foul' decomposer taxa                  %SRF =     8
```

```
Number of 'foul' decomposer individuals              NRF =      1
Percentage of 'foul' decomposer individuals          %NRF =     7
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 =     27
```

Site: RB89 Context: 327 Sample: 4266/T - species list in rank order

```
Taxon                                     Number    %    Rank Ecodes


Helophorus sp. B                             2     13      1  oa w
Lathridius minutus group                     2     13      1  rd
Helophorus sp. A                             1      7      3  oa w
Cercyon analis (Paykull)                     1      7      3  rt
Platystethus nitens (Sahlberg)               1      7      3  oa d
Anotylus tetracarinatus (Block)              1      7      3  rt
Stenus sp.                                   1      7      3  u
Staphylininae sp.                            1      7      3  u
Tachyporus sp.                               1      7      3  u
Aleocharinae sp.                             1      7      3  u
Aphodius sp.                                 1      7      3  ob rf
?Omosita sp.                                 1      7      3  rt
Chaetocnema concinna (Marsham)               1      7      3  oa p
```

Site: RB89 Context: 218 Sample: 4271/T - beetle/bug main statistics

```
Erosion = 2 Fragmentation = 2; Weight = 1.000kg


Number of individuals estimated as                   N =       72
Number of taxa                                       S =       43
Index of diversity (alpha)                           alpha =   45
Standard error of alpha                          SE alpha =    10
Number of 'certain' outdoor taxa                     SOA =     14
Percentage of 'certain' outdoor taxa                 %SOA =    33
Number of 'certain' outdoor individuals              NOA =     16
Percentage of 'certain' outdoor individuals          %NOA =    22
Number of 'certain' and probable outdoor taxa        SOB =     18
Percentage of 'certain' and probable outdoor taxa    %SOB =    42
Number of 'certain' and probable outdoor individuals NOB =     20
Percentage 'certain' and probable outdoor individuals %NOB =   28
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 =      10
Percentage of strongly plant-associated taxa         %SP =     23
Number of strongly plant-associated individuals      NP =      12
Percentage of strongly plant-associated individuals  %NP =     17
```

```
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 =     17
Percentage of decomposer taxa                      %SRT =     40
Number of decomposer individuals                    NRT =     23
Percentage of decomposer individuals               %NRT =     32
Number of 'dry' decomposer taxa                     SRD =      5
Percentage of 'dry'decomposer taxa                 %SRD =     12
Number of 'dry' decomposer individuals              NRD =      7
Percentage of 'dry'decomposer individuals          %NRD =     10
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 =      6
Index of diversity of decomposer component     alpha RT =     30
Standard error                              SE alpha RT =     14
Number of individuals of grain pests                 NG =     25
Percentage of individuals of grain pests            %NG =     35
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                 NG =     25
Number of uncoded taxa                               SU =      6
Percentage of uncoded individuals                   PNU =      8
```

Site: RB89 Context: 218 Sample: 4271/T - beetle/bug main statistics re-run after subtraction of grain pest component

```
Erosion = 2 Fragmentation = 2; Weight = 1.000kg


Number of individuals estimated as                    N =     47
Number of taxa                                        S =     39
Index of diversity (alpha)                        alpha =    106
Standard error of alpha                        SE alpha =     40
Number of 'certain' outdoor taxa                    SOA =     14
Percentage of 'certain' outdoor taxa               %SOA =     36
Number of 'certain' outdoor individuals             NOA =     16
Percentage of 'certain' outdoor individuals        %NOA =     34
Number of 'certain' and probable outdoor taxa       SOB =     18
Percentage of 'certain' and probable outdoor taxa  %SOB =     46
Number of 'certain' and probable outdoor individuals NOB =    20
Percentage 'certain' and probable outdoor individuals %NOB =  43
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 =      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 =     10
Percentage of strongly plant-associated taxa        %SP =     26
Number of strongly plant-associated individuals      NP =     12
Percentage of strongly plant-associated individuals %NP =     26
```

```
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 =     17
Percentage of decomposer taxa                      %SRT =     44
Number of decomposer individuals                    NRT =     23
Percentage of decomposer individuals               %NRT =     49
Number of 'dry' decomposer taxa                     SRD =      5
Percentage of 'dry'decomposer taxa                 %SRD =     13
Number of 'dry' decomposer individuals              NRD =      7
Percentage of 'dry'decomposer individuals          %NRD =     15
Number of 'foul' decomposer taxa                    SRF =      4
Percentage of 'foul' decomposer taxa               %SRF =     10
Number of 'foul' decomposer individuals             NRF =      4
Percentage of 'foul' decomposer individuals        %NRF =      9
Index of diversity of decomposer component     alpha RT =     30
Standard error                              SE alpha RT =     14
Number of individuals of grain pests                 NG =     25
Number of uncoded taxa                               SU =      6
Percentage of uncoded individuals                   PNU =     13
```

Site: RB89 Context: 218 Sample: 4271/T - species list in rank order

```
Taxon                                  Number    %   Rank Ecodes


Cryptolestes ferrugineus (Stephens)       11    15     1  g
Oryzaephilus surinamensis (Linnaeus)      11    15     1  g
Anthicus floralis or formicarius           3     4     3  rt
Conomelus anceps (Germar)                  2     3     4  oa p
Lathridius minutus group                   2     3     4  rd
Enicmus sp.                                2     3     4  rt
Corticaria sp.                             2     3     4  rt
Typhaea stercorea (Linnaeus)               2     3     4  rd
Hypera nigrirostris (Fabricius)            2     3     4  oa p
Sitophilus granarius (Linnaeus)            2     3     4  g
Megophthalmus sp.                          1     1    11  oa p
Cicadella viridis (Linnaeus)              1     1    11  oa p
Aphrodes sp.                               1     1    11  oa p
Auchenorhyncha sp. A                       1     1    11  oa p
Auchenorhyncha sp. B                       1     1    11  oa p
Bembidion sp.                              1     1    11  oa
Carabidae sp. A                            1     1    11  ob
Carabidae sp. B                            1     1    11  ob
Helophorus sp.                             1     1    11  oa w
Cercyon analis (Paykull)                   1     1    11  rt
Cryptopleurum minutum (Fabricius)          1     1    11  rf
Acritus nigricornis (Hoffmann)             1     1    11  rt
Platystethus arenarius (Fourcroy)          1     1    11  rf
Platystethus nitens (Sahlberg)             1     1    11  oa d
Stenus sp.                                 1     1    11  u
Leptacinus sp.                             1     1    11  rt
Philonthus sp.                             1     1    11  u
Tachyporus sp.                             1     1    11  u
Falagria or Cordalia sp.                   1     1    11  rt
```

```
Aleocharinae sp. A                                     1    1    11  u
Aleocharinae sp. B                                     1    1    11  u
Aphodius sp. A                                         1    1    11  ob rf
Aphodius sp. B                                         1    1    11  ob rf
Monotoma sp.                                           1    1    11  rt
Cryptophagus scutellatus Newman                        1    1    11  rd
Cryptophagus sp.                                       1    1    11  rd
Atomaria sp.                                           1    1    11  rd
Palorus ratzeburgi (Wissman)                           1    1    11  g
Apion sp.                                              1    1    11  oa p
Sitona sp.                                             1    1    11  oa p
Hypera sp.                                             1    1    11  oa p
Curculionidae sp.                                      1    1    11  oa
Coleoptera sp.                                         1    1    11  u
```

Site: RB89 Context: 338 Sample: 4275/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                       N =       63
Number of taxa                                           S =       45
Index of diversity (alpha)                           alpha =       70
Standard error of alpha                           SE alpha =       18
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 =       21
Number of 'certain' and probable outdoor taxa          SOB =       13
Percentage of 'certain' and probable outdoor taxa     %SOB =       29
Number of 'certain' and probable outdoor individuals   NOB =       16
Percentage 'certain' and probable outdoor individuals %NOB =       25
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 =        4
Percentage of aquatic individuals                      %NW =        6
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 =        4
Percentage of strongly plant-associated taxa           %SP =        9
Number of strongly plant-associated individuals         NP =        4
Percentage of strongly plant-associated individuals    %NP =        6
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 =       21
Percentage of decomposer taxa                         %SRT =       47
Number of decomposer individuals                       NRT =       22
Percentage of decomposer individuals                  %NRT =       35
Number of 'dry' decomposer taxa                        SRD =        3
Percentage of 'dry'decomposer taxa                    %SRD =        7
Number of 'dry' decomposer individuals                 NRD =        3
```

```
Percentage of 'dry'decomposer individuals             %NRD =      5
Number of 'foul' decomposer taxa                       SRF =      5
Percentage of 'foul' decomposer taxa                  %SRF =     11
Number of 'foul' decomposer individuals                NRF =      6
Percentage of 'foul' decomposer individuals           %NRF =     10
Index of diversity of decomposer component        alpha RT =    206
Standard error                                 SE alpha RT =    184
Number of individuals of grain pests                    NG =     19
Percentage of individuals of grain pests               %NG =     30
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                    NG =     19
Number of uncoded taxa                                  SU =      9
Percentage of uncoded individuals                      PNU =     14
```

**Site: RB89 Context: 338 Sample: 4275/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 2 Fragmentation = 2; Weight = 1.000kg


Number of individuals estimated as                       N =     44
Number of taxa                                           S =     41
Index of diversity (alpha)                           alpha =    283
Standard error of alpha                           SE alpha =    162
Number of 'certain' outdoor taxa                       SOA =     11
Percentage of 'certain' outdoor taxa                  %SOA =     27
Number of 'certain' outdoor individuals                NOA =     13
Percentage of 'certain' outdoor individuals           %NOA =     30
Number of 'certain' and probable outdoor taxa          SOB =     13
Percentage of 'certain' and probable outdoor taxa     %SOB =     32
Number of 'certain' and probable outdoor individuals   NOB =     16
Percentage 'certain' and probable outdoor individuals %NOB =     36
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                  SW =      2
Percentage of aquatic taxa                             %SW =      5
Number of aquatic individuals                           NW =      4
Percentage of aquatic individuals                      %NW =      9
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 =      5
Number of strongly plant-associated taxa                SP =      4
Percentage of strongly plant-associated taxa           %SP =     10
Number of strongly plant-associated individuals         NP =      4
Percentage of strongly plant-associated individuals    %NP =      9
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 =     21
Percentage of decomposer taxa                         %SRT =     51
Number of decomposer individuals                       NRT =     22
Percentage of decomposer individuals                  %NRT =     50
Number of 'dry' decomposer taxa                        SRD =      3
Percentage of 'dry'decomposer taxa                    %SRD =      7
Number of 'dry' decomposer individuals                 NRD =      3
```

```
Percentage of 'dry'decomposer individuals          %NRD =       7
Number of 'foul' decomposer taxa                    SRF =       5
Percentage of 'foul' decomposer taxa               %SRF =      12
Number of 'foul' decomposer individuals             NRF =       6
Percentage of 'foul' decomposer individuals        %NRF =      14
Index of diversity of decomposer component     alpha RT =     206
Standard error                              SE alpha RT =     184
Number of individuals of grain pests                 NG =      19
Number of uncoded taxa                               SU =       9
Percentage of uncoded individuals                   PNU =      20
```

Site: RB89 Context: 338 Sample: 4275/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cryptolestes ferrugineus (Stephens)	11	17	1	g
Oryzaephilus surinamensis (Linnaeus)	5	8	2	g
Helophorus sp. A	3	5	3	oa w
Aphodius sp. A	2	3	4	ob rf
Palorus ratzeburgi (Wissman)	2	3	4	g
Miridae sp.	1	2	6	oa p
Nebria sp.	1	2	6	oa
Trechus obtusus or quadristriatus	1	2	6	oa
Pterostichus diligens or strenuus	1	2	6	oa
Helophorus sp. B	1	2	6	oa w
Cercyon analis (Paykull)	1	2	6	rt
Cercyon haemorrhoidalis (Fabricius)	1	2	6	rf
Cercyon unipunctatus (Linnaeus)	1	2	6	rf
Cercyon sp.	1	2	6	u
Megasternum obscurum (Marsham)	1	2	6	rt
Acrotrichis sp.	1	2	6	rt
Omalium sp.	1	2	6	rt
Coprophilus striatulus (Fabricius)	1	2	6	rt
Carpelimus ?bilineatus Stephens	1	2	6	rt
Carpelimus ?corticinus (Gravenhorst)	1	2	6	oa d
Platystethus arenarius (Fourcroy)	1	2	6	rf
Anotylus nitidulus (Gravenhorst)	1	2	6	rt d
Anotylus rugosus (Fabricius)	1	2	6	rt
Anotylus tetracarinatus (Block)	1	2	6	rt
Neobisnius sp.	1	2	6	u
Gyrohypnus sp. or Xantholinus sp.	1	2	6	rt
Staphylininae sp. A	1	2	6	u
Tachyporus sp.	1	2	6	u
Falagria or Cordalia sp.	1	2	6	rt
Aleocharinae sp.	1	2	6	u
Aleocharinae sp. A	1	2	6	u
Aleocharinae sp. B	1	2	6	u
Pselaphidae sp.	1	2	6	u
Aphodius sp. B	1	2	6	ob rf
Phyllopertha horticola (Linnaeus)	1	2	6	oa p
?Brachypterus sp.	1	2	6	oa p
Monotoma sp.	1	2	6	rt
Cryptophagus sp.	1	2	6	rd
Ephistemus globulus (Paykull)	1	2	6	rd
Lathridius minutus group	1	2	6	rd
Corticaria sp.	1	2	6	rt
Sitona sp.	1	2	6	oa p

```
Sitophilus granarius (Linnaeus)              1    2    6  g
Curculionidae sp.                            1    2    6  oa
Coleoptera sp.                               1    2    6  u
```

Site: RB89; Context: 340; Sample: 4278/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 340 Sample: 4281/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 340 Sample: 4281/T - species list in rank order

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

Site: RB89 Context: 344 Sample: 4287/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                 N =   12
Number of taxa                                     S =   12
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                 SOA =    3
Percentage of 'certain' outdoor taxa            %SOA =   25
Number of 'certain' outdoor individuals          NOA =    3
Percentage of 'certain' outdoor individuals     %NOA =   25
Number of 'certain' and probable outdoor taxa    SOB =    5
Percentage of 'certain' and probable outdoor taxa %SOB =  42
Number of 'certain' and probable outdoor individuals  NOB =   5
Percentage 'certain' and probable outdoor individuals  %NOB =  42
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                            SW =    1
Percentage of aquatic taxa                       %SW =    8
Number of aquatic individuals                     NW =    1
Percentage of aquatic individuals                %NW =    8
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 =    2
Percentage of strongly plant-associated taxa     %SP =   17
Number of strongly plant-associated individuals   NP =    2
Percentage of strongly plant-associated individuals %NP =  17
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 =      6
Percentage of decomposer taxa                           %SRT =    50
Number of decomposer individuals                        NRT =      6
Percentage of decomposer individuals                    %NRT =    50
Number of 'dry' decomposer taxa                         SRD =      0
Percentage of 'dry'decomposer taxa                      %SRD =     0
Number of 'dry' decomposer individuals                  NRD =      0
Percentage of 'dry'decomposer individuals               %NRD =     0
Number of 'foul' decomposer taxa                        SRF =      2
Percentage of 'foul' decomposer taxa                    %SRF =    17
Number of 'foul' decomposer individuals                 NRF =      2
Percentage of 'foul' decomposer individuals             %NRF =    17
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 =     25
```

Site: RB89 Context: 344 Sample: 4287/T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes


Auchenorhyncha sp. A                            1    8     1  oa p
Auchenorhyncha sp. B                            1    8     1  oa p
Helophorus sp.                                  1    8     1  oa w
Omalium sp.                                     1    8     1  rt
Anotylus tetracarinatus (Block)                 1    8     1  rt
Oxytelus sculptus Gravenhorst                   1    8     1  rt
Aleocharinae sp. A                              1    8     1  u
Aleocharinae sp. B                              1    8     1  u
Aphodius sp. A                                  1    8     1  ob rf
Aphodius sp. B                                  1    8     1  ob rf
Anthicus floralis or formicarius                1    8     1  rt
Coleoptera sp.                                  1    8     1  u
```

Site: RB89 Context: 326 Sample: 4302/T - beetle/bug main statistics

```
Erosion = 3 Fragmentation = 3; Weight = 1.000kg


Number of individuals estimated as                      N   =     38
Number of taxa                                          S   =     34
Index of diversity (alpha)                          alpha   =    151
Standard error of alpha                          SE alpha   =     77
Number of 'certain' outdoor taxa                        SOA =     11
Percentage of 'certain' outdoor taxa                    %SOA =    32
Number of 'certain' outdoor individuals                 NOA =     11
Percentage of 'certain' outdoor individuals             %NOA =    29
Number of 'certain' and probable outdoor taxa           SOB =     13
Percentage of 'certain' and probable outdoor taxa       %SOB =    38
Number of 'certain' and probable outdoor individuals    NOB =     13
Percentage 'certain' and probable outdoor individuals   %NOB =    34
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 =       3
Number of damp ground/waterside taxa                      SD =       3
Percentage of damp ground/waterside taxa                 %SD =       9
Number of damp ground/waterside individuals               ND =       3
Percentage of damp ground/waterside individuals          %ND =       8
Number of strongly plant-associated taxa                  SP =       5
Percentage of strongly plant-associated taxa             %SP =      15
Number of strongly plant-associated individuals           NP =       5
Percentage of strongly plant-associated individuals      %NP =      13
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 =      17
Percentage of decomposer taxa                           %SRT =      50
Number of decomposer individuals                         NRT =      21
Percentage of decomposer individuals                    %NRT =      55
Number of 'dry' decomposer taxa                          SRD =       7
Percentage of 'dry'decomposer taxa                      %SRD =      21
Number of 'dry' decomposer individuals                   NRD =      10
Percentage of 'dry'decomposer individuals               %NRD =      26
Number of 'foul' decomposer taxa                         SRF =       3
Percentage of 'foul' decomposer taxa                    %SRF =       9
Number of 'foul' decomposer individuals                  NRF =       3
Percentage of 'foul' decomposer individuals             %NRF =       8
Index of diversity of decomposer component          alpha RT =      43
Standard error                                   SE alpha RT =      25
Number of individuals of grain pests                      NG =       1
Percentage of individuals of grain pests                 %NG =       3
Number of individuals of grain pests                      NG =       1
Number of uncoded taxa                                    SU =       4
Percentage of uncoded individuals                        PNU =      11
```

Site: RB89 Context: 326 Sample: 4302/T - species list in rank order

```
Taxon                                    Number     %   Rank Ecodes


Atomaria sp. B                              2       5      1  rd
Lathridius minutus group                    2       5      1  rd
Cortinicara gibbosa (Herbst)                2       5      1  rt
Typhaea stercorea (Linnaeus)                2       5      1  rd
Drymus ?brunneus (Sahlberg)                 1       3      5  oa p
Lyctocoris campestris (Fabricius)           1       3      5  rd
?Auchenorhyncha sp.                         1       3      5  oa p
Bembidion (Philochthus) sp.                 1       3      5  oa
Carabidae sp.                               1       3      5  ob
Helophorus tuberculatus Gyllenhal           1       3      5  oa
Helophorus sp.                              1       3      5  oa w
Cercyon analis (Paykull)                    1       3      5  rt
Cercyon ?haemorrhoidalis (Fabricius)        1       3      5  rf
Micropeplus sp.                             1       3      5  rt
Xylodromus concinnus (Marsham)              1       3      5  rt
```

```
Carpelimus sp.                                          1    3    5   u
Platystethus arenarius (Fourcroy)                       1    3    5   rf
Platystethus ?degener Mulsant & Rey                     1    3    5   oa d
Anotylus nitidulus (Gravenhorst)                        1    3    5   rt d
Anotylus rugosus (Fabricius)                            1    3    5   rt
Gyrohypnus sp.                                          1    3    5   rt
?Neobisnius sp.                                         1    3    5   u
Aleocharinae sp. A                                      1    3    5   u
Aleocharinae sp. B                                      1    3    5   u
Aphodius sp.                                            1    3    5   ob rf
Phyllopertha horticola (Linnaeus)                       1    3    5   oa p
Dryops sp.                                              1    3    5   oa d
Oryzaephilus surinamensis (Linnaeus)                    1    3    5   g
Cryptophagus sp. A                                      1    3    5   rd
Cryptophagus sp. B                                      1    3    5   rd
Atomaria sp. A                                          1    3    5   rd
Chrysomelinae sp.                                       1    3    5   oa p
Apion sp.                                               1    3    5   oa p
Curculionidae sp.                                       1    3    5   oa
```

Site: RB89 Context: 353 Sample: 4309/T - beetle/bug main statistics

```
Erosion = 3 Fragmentation = 2; Weight = 1.000kg
Number of individuals estimated as                      N =        97
Number of taxa                                          S =        60
Index of diversity (alpha)                          alpha =        67
Standard error of alpha                          SE alpha =        13
Number of 'certain' outdoor taxa                      SOA =        17
Percentage of 'certain' outdoor taxa                 %SOA =        28
Number of 'certain' outdoor individuals               NOA =        21
Percentage of 'certain' outdoor individuals          %NOA =        22
Number of 'certain' and probable outdoor taxa         SOB =        24
Percentage of 'certain' and probable outdoor taxa    %SOB =        40
Number of 'certain' and probable outdoor individuals  NOB =        28
Percentage 'certain' and probable outdoor individuals %NOB =       29
Index of diversity of outdoor component          alpha OB =        78
Standard error                                SE alpha OB =        40
Number of aquatic taxa                                 SW =         1
Percentage of aquatic taxa                            %SW =         2
Number of aquatic individuals                          NW =         2
Percentage of aquatic individuals                     %NW =         2
Number of damp ground/waterside taxa                   SD =         2
Percentage of damp ground/waterside taxa              %SD =         3
Number of damp ground/waterside individuals            ND =         7
Percentage of damp ground/waterside individuals       %ND =         7
Number of strongly plant-associated taxa               SP =        10
Percentage of strongly plant-associated taxa          %SP =        17
Number of strongly plant-associated individuals        NP =        11
Percentage of strongly plant-associated individuals   %NP =        11
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 =        28
Percentage of decomposer taxa                        %SRT =        47
```

```
Number of decomposer individuals                    NRT =      55
Percentage of decomposer individuals               %NRT =      57
Number of 'dry' decomposer taxa                      SRD =       5
Percentage of 'dry'decomposer taxa                  %SRD =       8
Number of 'dry' decomposer individuals               NRD =      17
Percentage of 'dry'decomposer individuals           %NRD =      18
Number of 'foul' decomposer taxa                     SRF =       7
Percentage of 'foul' decomposer taxa                %SRF =      12
Number of 'foul' decomposer individuals              NRF =      10
Percentage of 'foul' decomposer individuals         %NRF =      10
Index of diversity of decomposer component      alpha RT =      23
Standard error                               SE alpha RT =       5
Number of individuals of grain pests                  NG =       5
Percentage of individuals of grain pests             %NG =       5
Number of individuals of grain pests                  NG =       5
Number of uncoded taxa                                SU =      11
Percentage of uncoded individuals                    PNU =      15
```

Site: RB89 Context: 353 Sample: 4309/T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Cercyon analis (Paykull)                      6    6      1  rt
Anotylus nitidulus (Gravenhorst)              6    6      1  rt d
Atomaria sp.                                  6    6      1  rd
Lathridius minutus group                      6    6      1  rd
Oryzaephilus surinamensis (Linnaeus)          3    3      5  g
Cryptophagus sp.                              3    3      5  rd
Bembidion lampros or properans                2    2      7  oa
Helophorus sp.                                2    2      7  oa w
Cercyon ?haemorrhoidalis (Fabricius)          2    2      7  rf
Acrotrichis sp.                               2    2      7  rt
Platystethus arenarius (Fourcroy)             2    2      7  rf
Gyrohypnus fracticornis (Muller)              2    2      7  rt
Aleocharinae sp. A                            2    2      7  u
Aleocharinae sp. B                            2    2      7  u
Aleocharinae sp. C                            2    2      7  u
Aleocharinae sp. D                            2    2      7  u
Aphodius ?contaminatus (Herbst)               2    2      7  oa rf
Apion sp.                                     2    2      7  oa p
Sitophilus granarius (Linnaeus)               2    2      7  g
Cimicidae sp.                                 1    1     20  u
Auchenorhyncha sp. A                          1    1     20  oa p
Auchenorhyncha sp. B                          1    1     20  oa p
Trechus obtusus or quadristriatus             1    1     20  oa
Pterostichus melanarius (Illiger)             1    1     20  ob
Calathus sp.                                  1    1     20  oa
Carabidae sp. A                               1    1     20  ob
Carabidae sp. B                               1    1     20  ob
Megasternum obscurum (Marsham)                1    1     20  rt
Onthophilus striatus (Forster)                1    1     20  rt
Carpelimus ?bilineatus Stephens               1    1     20  rt
Carpelimus sp.                                1    1     20  u
Platystethus cornutus group                   1    1     20  oa d
Anotylus rugosus (Fabricius)                  1    1     20  rt
Anotylus tetracarinatus (Block)               1    1     20  rt
```

```
Stenus sp.                                      1    1   20   u
Lithocharis ochracea (Gravenhorst)              1    1   20   rt
Leptacinus sp.                                  1    1   20   rt
Philonthus sp.                                  1    1   20   u
Tachinus sp.                                    1    1   20   u
Falagria or Cordalia sp.                        1    1   20   rt
Aleocharinae sp. E                              1    1   20   u
Geotrupes sp.                                   1    1   20   oa rf
Aphodius granarius (Linnaeus)                   1    1   20   ob rf
Aphodius sp. A                                  1    1   20   ob rf
Aphodius sp. B                                  1    1   20   ob rf
Phyllopertha horticola (Linnaeus)              1    1   20   oa p
Ctenicera sp.                                   1    1   20   oa p
Elateridae sp.                                  1    1   20   ob
Monotoma sp.                                    1    1   20   rt
Ephistemus globulus (Paykull)                   1    1   20   rd
Corticaria sp.                                  1    1   20   rt
Corticarina or Cortinicara sp.                  1    1   20   rt
Typhaea stercorea (Linnaeus)                    1    1   20   rd
Aglenus brunneus (Gyllenhal)                    1    1   20   rt
Chrysomelinae sp.                               1    1   20   oa p
Phyllotreta sp.                                 1    1   20   oa p
Chaetocnema concinna (Marsham)                  1    1   20   oa p
Chrysomelidae sp.                               1    1   20   oa p
Hypera nigrirostris (Fabricius)                 1    1   20   oa p
Coleoptera sp.                                  1    1   20   u
```

Site: RB89 Context: 374 Sample: 4314/T - beetle/bug main statistics

Erosion = 4 Fragmentation = 4; Weight = 1.000kg

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

Site: RB89 Context: 374 Sample: 4314/T - species list in rank order

```
Taxon                                  Number     %   Rank Ecodes

Cercyon sp.                                1    17    1   u
Acritus nigricornis (Hoffmann)             1    17    1   rt
Aleocharinae sp.                           1    17    1   u
?Aphodius sp.                              1    17    1   ob rf
Aphodius sp. A                             1    17    1   ob rf
Cryptophagus sp.                           1    17    1   rd
```

Site: RB89 Context: 375 Sample: 4318/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                      N =      35
Number of taxa                                          S =      34
Index of diversity (alpha)                          alpha =     534
Standard error of alpha                          SE alpha =     474
```

```
Number of 'certain' outdoor taxa                        SOA =      6
Percentage of 'certain' outdoor taxa                   %SOA =     18
Number of 'certain' outdoor individuals                 NOA =      6
Percentage of 'certain' outdoor individuals            %NOA =     17
Number of 'certain' and probable outdoor taxa           SOB =      9
Percentage of 'certain' and probable outdoor taxa      %SOB =     26
Number of 'certain' and probable outdoor individuals    NOB =      9
Percentage 'certain' and probable outdoor individuals  %NOB =     26
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 =      3
Number of damp ground/waterside taxa                     SD =      3
Percentage of damp ground/waterside taxa                %SD =      9
Number of damp ground/waterside individuals              ND =      3
Percentage of damp ground/waterside individuals         %ND =      9
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 =      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 =      0
Number of wood-associated individuals                    NL =      0
Percentage of wood-associated individuals               %NL =      0
Number of decomposer taxa                               SRT =     17
Percentage of decomposer taxa                          %SRT =     50
Number of decomposer individuals                        NRT =     17
Percentage of decomposer individuals                   %NRT =     49
Number of 'dry' decomposer taxa                         SRD =      3
Percentage of 'dry'decomposer taxa                     %SRD =      9
Number of 'dry' decomposer individuals                  NRD =      3
Percentage of 'dry'decomposer individuals              %NRD =      9
Number of 'foul' decomposer taxa                        SRF =      4
Percentage of 'foul' decomposer taxa                   %SRF =     12
Number of 'foul' decomposer individuals                 NRF =      4
Percentage of 'foul' decomposer individuals            %NRF =     11
Diversity index for RT not calculated, NRT = SRT or NRT < 20
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 =     23
```

Site: RB89 Context: 375 Sample: 4318/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Aleocharinae sp. A	2	6	1	u
Dyschirius ?globosus (Herbst)	1	3	2	oa
Bembidion lampros or properans	1	3	2	oa
Pterostichus sp.	1	3	2	ob
Helophorus sp.	1	3	2	oa w
Cercyon ?analis (Paykull)	1	3	2	rt
Cercyon ?atricapillus (Marsham)	1	3	2	rf

```
Omalium sp.                                    1    3    2   rt
Xylodromus ?concinnus (Marsham)                1    3    2   rt
Carpelimus sp.                                 1    3    2   u
Platystethus arenarius (Fourcroy)              1    3    2   rf
Platystethus degener Mulsant & Rey             1    3    2   oa d
Platystethus nitens (Sahlberg)                 1    3    2   oa d
Anotylus nitidulus (Gravenhorst)               1    3    2   rt d
Anotylus tetracarinatus (Block)                1    3    2   rt
Othius ?myrmecophilus Kiesenwetter             1    3    2   rt
Leptacinus sp.                                 1    3    2   rt
Philonthus sp.                                 1    3    2   u
Cordalia obscura (Gravenhorst)                 1    3    2   rt
Aleocharinae sp. B                             1    3    2   u
Aleocharinae sp. C                             1    3    2   u
Aleocharinae sp. D                             1    3    2   u
Aleocharinae sp. E                             1    3    2   u
Aphodius sp. A                                 1    3    2   ob rf
Aphodius sp. B                                 1    3    2   ob rf
Phyllopertha horticola (Linnaeus)              1    3    2   oa p
Monotoma sp.                                   1    3    2   rt
Cryptolestes ferrugineus (Stephens)            1    3    2   g
Oryzaephilus surinamensis (Linnaeus)           1    3    2   g
Cryptophagus sp. A                             1    3    2   rd
Cryptophagus sp. B                             1    3    2   rd
Lathridius minutus group                       1    3    2   rd
Corticaria sp.                                 1    3    2   rt
Sitophilus granarius (Linnaeus)                1    3    2   g
```

Site: RB89 Context: 391 Sample: 4327/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                      N =      75
Number of taxa                                          S =      55
Index of diversity (alpha)                          alpha =      92
Standard error of alpha                          SE alpha =      23
Number of 'certain' outdoor taxa                      SOA =      17
Percentage of 'certain' outdoor taxa                 %SOA =      31
Number of 'certain' outdoor individuals               NOA =      23
Percentage of 'certain' outdoor individuals          %NOA =      31
Number of 'certain' and probable outdoor taxa         SOB =      21
Percentage of 'certain' and probable outdoor taxa    %SOB =      38
Number of 'certain' and probable outdoor individuals  NOB =      28
Percentage 'certain' and probable outdoor individuals %NOB =      37
Index of diversity of outdoor component          alpha OB =      39
Standard error                                SE alpha OB =      17
Number of aquatic taxa                                 SW =       2
Percentage of aquatic taxa                            %SW =       4
Number of aquatic individuals                          NW =       7
Percentage of aquatic individuals                     %NW =       9
Number of damp ground/waterside taxa                   SD =       2
Percentage of damp ground/waterside taxa              %SD =       4
Number of damp ground/waterside individuals            ND =       3
Percentage of damp ground/waterside individuals       %ND =       4
Number of strongly plant-associated taxa               SP =      10
Percentage of strongly plant-associated taxa          %SP =      18
Number of strongly plant-associated individuals        NP =      10
```

```
Percentage of strongly plant-associated individuals    %NP =    13
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 =    19
Percentage of decomposer taxa                          %SRT =   35
Number of decomposer individuals                       NRT =    26
Percentage of decomposer individuals                   %NRT =   35
Number of 'dry' decomposer taxa                        SRD =     4
Percentage of 'dry'decomposer taxa                     %SRD =    7
Number of 'dry' decomposer individuals                 NRD =     4
Percentage of 'dry'decomposer individuals              %NRD =    5
Number of 'foul' decomposer taxa                       SRF =     5
Percentage of 'foul' decomposer taxa                   %SRF =    9
Number of 'foul' decomposer individuals                NRF =    11
Percentage of 'foul' decomposer individuals            %NRF =   15
Index of diversity of decomposer component         alpha RT =   33
Standard error                                  SE alpha RT =   14
Number of individuals of grain pests                   NG =      6
Percentage of individuals of grain pests               %NG =     8
Number of individuals of grain pests                   NG =      6
Number of uncoded taxa                                 SU =     13
Percentage of uncoded individuals                      PNU =    23
```

Site: RB89 Context: 391 Sample: 4327/T - species list in rank order

```
Taxon                                     Number    %   Rank Ecodes

Helophorus sp.                               6      8      1  oa w
Cercyon haemorrhoidalis (Fabricius)          3      4      2  rf
Platystethus arenarius (Fourcroy)            3      4      2  rf
Aleocharinae sp. A                           3      4      2  u
Sitophilus granarius (Linnaeus)              3      4      2  g
Trechus obtusus or quadristriatus            2      3      6  oa
Cercyon terminatus (Marsham)                 2      3      6  rf
Anotylus nitidulus (Gravenhorst)             2      3      6  rt d
Tachyporus sp.                               2      3      6  u
Aleocharinae sp. E                           2      3      6  u
Aphodius sp.                                 2      3      6  ob rf
Oryzaephilus surinamensis (Linnaeus)         2      3      6  g
Auchenorhyncha sp. A                         1      1     13  oa p
Auchenorhyncha sp. B                         1      1     13  oa p
Trechus micros (Herbst)                      1      1     13  u
Bembidion lampros or properans               1      1     13  oa
Amara sp.                                    1      1     13  oa
Carabidae sp. A                              1      1     13  ob
Carabidae sp. B                              1      1     13  ob
Hydroporinae sp.                             1      1     13  oa w
Cryptopleurum minutum (Fabricius)            1      1     13  rf
Acrotrichis sp.                              1      1     13  rt
Acidota crenata (Fabricius)                  1      1     13  oa
Carpelimus ?bilineatus Stephens              1      1     13  rt
Platystethus degener Mulsant & Rey           1      1     13  oa d
```

```
Anotylus tetracarinatus (Block)                      1    1    13   rt
Oxytelus sculptus Gravenhorst                        1    1    13   rt
Rugilus orbiculatus (Paykull)                        1    1    13   rt
Gyrohypnus sp.                                       1    1    13   rt
Philonthus sp.                                       1    1    13   u
Philonthus or Gabrius sp.                            1    1    13   u
Staphylininae sp.                                    1    1    13   u
Cordalia obscura (Gravenhorst)                       1    1    13   rt
Aleocharinae sp. B                                   1    1    13   u
Aleocharinae sp. C                                   1    1    13   u
Aleocharinae sp. D                                   1    1    13   u
Aleocharinae sp. F                                   1    1    13   u
Staphylinidae sp.                                    1    1    13   u
Simplocaria sp.                                      1    1    13   oa p
Agriotes sp.                                         1    1    13   oa p
?Elateridae sp.                                      1    1    13   ob
Meligethes sp.                                       1    1    13   oa p
Cryptolestes ferrugineus (Stephens)                  1    1    13   g
Cryptophagus sp.                                     1    1    13   rd
Ephistemus globulus (Paykull)                        1    1    13   rd
Lathridius minutus group                             1    1    13   rd
Corticarina ?fuscula (Gyllenhal)                     1    1    13   rt
Typhaea stercorea (Linnaeus)                         1    1    13   rd
Anthicus formicarius (Goeze)                         1    1    13   rt
Phyllotreta nemorum group                            1    1    13   oa p
Phyllotreta sp.                                      1    1    13   oa p
Longitarsus sp.                                      1    1    13   oa p
Apion sp.                                            1    1    13   oa p
Hypera punctata (Fabricius)                          1    1    13   oa p
Coleoptera sp.                                       1    1    13   u
```

Site: RB89 Context: 403 Sample: 4341/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                      N =      64
Number of taxa                                          S =      43
Index of diversity (alpha)                          alpha =      57
Standard error of alpha                          SE alpha =      14
Number of 'certain' outdoor taxa                      SOA =       8
Percentage of 'certain' outdoor taxa                 %SOA =      19
Number of 'certain' outdoor individuals               NOA =       8
Percentage of 'certain' outdoor individuals          %NOA =      13
Number of 'certain' and probable outdoor taxa         SOB =      13
Percentage of 'certain' and probable outdoor taxa    %SOB =      30
Number of 'certain' and probable outdoor individuals  NOB =      13
Percentage 'certain' and probable outdoor individuals %NOB =      20
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 =       2
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 =       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 =     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 =      1
Percentage of wood-associated individuals               %NL =     2
Number of decomposer taxa                               SRT =     22
Percentage of decomposer taxa                           %SRT =    51
Number of decomposer individuals                        NRT =     29
Percentage of decomposer individuals                    %NRT =    45
Number of 'dry' decomposer taxa                         SRD =     5
Percentage of 'dry'decomposer taxa                      %SRD =    12
Number of 'dry' decomposer individuals                  NRD =     7
Percentage of 'dry'decomposer individuals               %NRD =    11
Number of 'foul' decomposer taxa                        SRF =     5
Percentage of 'foul' decomposer taxa                    %SRF =    12
Number of 'foul' decomposer individuals                 NRF =     7
Percentage of 'foul' decomposer individuals             %NRF =    11
Index of diversity of decomposer component         alpha RT =     42
Standard error                                  SE alpha RT =     18
Number of individuals of grain pests                    NG =      17
Percentage of individuals of grain pests                %NG =     27
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                    NG =      17
Number of uncoded taxa                                  SU =      7
Percentage of uncoded individuals                       PNU =     11
```

**Site: RB89 Context: 403 Sample: 4341/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as                      N =       47
Number of taxa                                          S =       40
Index of diversity (alpha)                          alpha =      125
Standard error of alpha                          SE alpha =      50
Number of 'certain' outdoor taxa                        SOA =     8
Percentage of 'certain' outdoor taxa                    %SOA =    20
Number of 'certain' outdoor individuals                 NOA =     8
Percentage of 'certain' outdoor individuals             %NOA =    17
Number of 'certain' and probable outdoor taxa           SOB =     13
Percentage of 'certain' and probable outdoor taxa       %SOB =    33
Number of 'certain' and probable outdoor individuals    NOB =     13
Percentage 'certain' and probable outdoor individuals   %NOB =    28
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 =      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 =      3
Percentage of strongly plant-associated taxa            %SP =     8
```

```
Number of strongly plant-associated individuals        NP =      3
Percentage of strongly plant-associated individuals    %NP =     6
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 =    22
Percentage of decomposer taxa                          %SRT =   55
Number of decomposer individuals                       NRT =    29
Percentage of decomposer individuals                   %NRT =   62
Number of 'dry' decomposer taxa                        SRD =     5
Percentage of 'dry'decomposer taxa                     %SRD =   13
Number of 'dry' decomposer individuals                 NRD =     7
Percentage of 'dry'decomposer individuals              %NRD =   15
Number of 'foul' decomposer taxa                       SRF =     5
Percentage of 'foul' decomposer taxa                   %SRF =   13
Number of 'foul' decomposer individuals                NRF =     7
Percentage of 'foul' decomposer individuals            %NRF =   15
Index of diversity of decomposer component         alpha RT =   42
Standard error                                  SE alpha RT =   18
Number of individuals of grain pests                   NG =     17
Number of uncoded taxa                                 SU =      7
Percentage of uncoded individuals                      PNU =    15
```

Site: RB89 Context: 403 Sample: 4341/T - 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

Oryzaephilus surinamensis (Linnaeus)*        15    23      1  g
Cercyon analis (Paykull)                      3     5      2  rt
Cercyon haemorrhoidalis (Fabricius)           3     5      2  rf
Falagria ?caesa Erichson                      2     3      4  rt
Cryptophagus sp.                              2     3      4  rd
Lathridius minutus group                      2     3      4  rd
Lygaeidae sp.                                 1     2      7  oa p
Carabus nemoralis Muller                      1     2      7  oa
Dyschirius ?globosus (Herbst)                 1     2      7  oa
Trechus obtusus or quadristriatus             1     2      7  oa
Carabidae sp. A                               1     2      7  ob
Carabidae sp. B                               1     2      7  ob
Cryptopleurum minutum (Fabricius)             1     2      7  rf
Acritus nigricornis (Hoffmann)                1     2      7  rt
Ochthebius sp.                                1     2      7  oa w
Ptiliidae sp.                                 1     2      7  u
Dropephylla sp.                               1     2      7  u
Xylodromus ?concinnus (Marsham)               1     2      7  rt
Carpelimus sp.                                1     2      7  u
Anotylus nitidulus (Gravenhorst)              1     2      7  rt d
Anotylus tetracarinatus (Block)               1     2      7  rt
Oxytelus sculptus Gravenhorst                 1     2      7  rt
?Gyrohypnus sp.                               1     2      7  rt
Staphylininae sp.                             1     2      7  u
```

```
Aleocharinae sp. A                                       1    2    7   u
Aleocharinae sp. B                                       1    2    7   u
Aleocharinae sp. C                                       1    2    7   u
Geotrupes sp.                                            1    2    7   oa rf
Aphodius granarius (Linnaeus)                            1    2    7   ob rf
Aphodius sp.                                             1    2    7   ob rf
Phyllopertha horticola (Linnaeus)                       1    2    7   oa p
Elateridae sp.                                          1    2    7   ob
Anobium ?punctatum (Degeer)                             1    2    7   l
Ptinus sp.                                              1    2    7   rd
Monotoma picipes Herbst                                 1    2    7   rt
Cryptolestes ferrugineus (Stephens)                     1    2    7   g
Cryptophagus scutellatus Newman                         1    2    7   rd
Corticarina sp.                                         1    2    7   rt
Typhaea stercorea (Linnaeus)                            1    2    7   rd
Aglenus brunneus (Gyllenhal)                            1    2    7   rt
Anthicus floralis or formicarius                        1    2    7   rt
Longitarsus sp.                                         1    2    7   oa p
Sitophilus granarius (Linnaeus)                         1    2    7   g
```

Site: RB89 Context: 397 Sample: 4343/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                          N =      2
Number of taxa                                              S =      2
```

Site: RB89 Context: 397 Sample: 4343/T - species list in rank order

```
Taxon                                   Number     %   Rank Ecodes


?Staphylininae sp.                           1    50     1   u
Cryptolestes ferrugineus (Stephens)          1    50     1   g
```

Site: RB89 Context: 407 Sample: 4348/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                          N =     24
Number of taxa                                              S =     20
Index of diversity (alpha)                              alpha =     55
Standard error of alpha                              SE alpha =     29
Number of 'certain' outdoor taxa                          SOA =      7
Percentage of 'certain' outdoor taxa                     %SOA =     35
Number of 'certain' outdoor individuals                   NOA =      9
Percentage of 'certain' outdoor individuals              %NOA =     38
Number of 'certain' and probable outdoor taxa             SOB =     10
Percentage of 'certain' and probable outdoor taxa        %SOB =     50
Number of 'certain' and probable outdoor individuals      NOB =     12
Percentage 'certain' and probable outdoor individuals    %NOB =     50
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                     SW =      1
Percentage of aquatic taxa                                %SW =      5
Number of aquatic individuals                              NW =      2
Percentage of aquatic individuals                         %NW =      8
```

```
Number of damp ground/waterside taxa                      SD =      2
Percentage of damp ground/waterside taxa                 %SD =     10
Number of damp ground/waterside individuals               ND =      3
Percentage of damp ground/waterside individuals          %ND =     13
Number of strongly plant-associated taxa                  SP =      3
Percentage of strongly plant-associated taxa             %SP =     15
Number of strongly plant-associated individuals           NP =      3
Percentage of strongly plant-associated individuals      %NP =     13
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 =      4
Number of decomposer taxa                                SRT =      7
Percentage of decomposer taxa                           %SRT =     35
Number of decomposer individuals                         NRT =      8
Percentage of decomposer individuals                    %NRT =     33
Number of 'dry' decomposer taxa                          SRD =      1
Percentage of 'dry'decomposer taxa                      %SRD =      5
Number of 'dry' decomposer individuals                   NRD =      1
Percentage of 'dry'decomposer individuals               %NRD =      4
Number of 'foul' decomposer taxa                         SRF =      2
Percentage of 'foul' decomposer taxa                    %SRF =     10
Number of 'foul' decomposer individuals                  NRF =      2
Percentage of 'foul' decomposer individuals             %NRF =      8
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                      NG =      1
Percentage of individuals of grain pests                 %NG =      4
Number of individuals of grain pests                      NG =      1
Number of uncoded taxa                                    SU =      3
Percentage of uncoded individuals                        PNU =     17
```

Site: RB89 Context: 407 Sample: 4348/T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes


Helophorus sp.                                2     8     1   oa w
Staphylininae sp.                             2     8     1   u
Dryops sp.                                    2     8     1   oa d
Aglenus brunneus (Gyllenhal)                  2     8     1   rt
Cercyon ?analis (Paykull)                     1     4     5   rt
Carpelimus sp.                                1     4     5   u
Platystethus cornutus group                   1     4     5   oa d
Anotylus tetracarinatus (Block)               1     4     5   rt
Gyrohypnus sp.                                1     4     5   rt
Aleocharinae sp.                              1     4     5   u
Aphodius sp. A                                1     4     5   ob rf
Aphodius sp. B                                1     4     5   ob rf
Dascillus cervinus (Linnaeus)                 1     4     5   oa p
Elateridae sp.                                1     4     5   ob
Anobium punctatum (Degeer)                    1     4     5   l
Cryptolestes ferrugineus (Stephens)           1     4     5   g
Lathridius minutus group                      1     4     5   rd
Apion sp.                                     1     4     5   oa p
Sitona lepidus Gyllenhal                      1     4     5   oa p
Curculionidae sp.                             1     4     5   oa
```

Site: RB89; Context: 413; Sample: 4375/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 416; Sample: 4376

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 347; Sample: 4378/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 418 Sample: 4381/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 418 Sample: 4381/T - species list in rank order

Taxon   Number   % Rank Ecodes

Coleoptera sp.   1 100   1 u

Site: RB89 Context: 429 Sample: 4390/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as   N =   108
Number of taxa   S =   44
Index of diversity (alpha)   alpha =   28
Standard error of alpha   SE alpha =   4
Number of 'certain' outdoor taxa   SOA =   8
Percentage of 'certain' outdoor taxa   %SOA =   18
Number of 'certain' outdoor individuals   NOA =   10
Percentage of 'certain' outdoor individuals   %NOA =   9
Number of 'certain' and probable outdoor taxa   SOB =   12
Percentage of 'certain' and probable outdoor taxa   %SOB =   27
Number of 'certain' and probable outdoor individuals   NOB =   16
Percentage 'certain' and probable outdoor individuals %NOB =   15
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa   SW =   2
Percentage of aquatic taxa   %SW =   5
Number of aquatic individuals   NW =   4

```
Percentage of aquatic individuals                   %NW =      4
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 =      2
Number of strongly plant-associated taxa             SP =      4
Percentage of strongly plant-associated taxa        %SP =      9
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 =      1
Number of wood-associated individuals                NL =      1
Percentage of wood-associated individuals           %NL =      1
Number of decomposer taxa                           SRT =     24
Percentage of decomposer taxa                      %SRT =     55
Number of decomposer individuals                    NRT =     36
Percentage of decomposer individuals               %NRT =     33
Number of 'dry' decomposer taxa                     SRD =      6
Percentage of 'dry'decomposer taxa                 %SRD =     14
Number of 'dry' decomposer individuals              NRD =     12
Percentage of 'dry'decomposer individuals          %NRD =     11
Number of 'foul' decomposer taxa                    SRF =      5
Percentage of 'foul' decomposer taxa               %SRF =     11
Number of 'foul' decomposer individuals             NRF =      8
Percentage of 'foul' decomposer individuals        %NRF =      7
Index of diversity of decomposer component     alpha RT =     32
Standard error                              SE alpha RT =     11
Number of individuals of grain pests                 NG =     53
Percentage of individuals of grain pests            %NG =     49
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                 NG =     53
Number of uncoded taxa                               SU =      6
Percentage of uncoded individuals                   PNU =      6
```

**Site: RB89 Context: 429 Sample: 4390/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as                    N =     55
Number of taxa                                        S =     41
Index of diversity (alpha)                        alpha =     72
Standard error of alpha                        SE alpha =     21
Number of 'certain' outdoor taxa                    SOA =      8
Percentage of 'certain' outdoor taxa               %SOA =     20
Number of 'certain' outdoor individuals             NOA =     10
Percentage of 'certain' outdoor individuals        %NOA =     18
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 =    16
Percentage 'certain' and probable outdoor individuals %NOB =  29
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                               SW =      2
Percentage of aquatic taxa                          %SW =      5
Number of aquatic individuals                        NW =      4
```

```
Percentage of aquatic individuals                    %NW =      7
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 =      4
Number of strongly plant-associated taxa              SP =      4
Percentage of strongly plant-associated taxa         %SP =     10
Number of strongly plant-associated individuals       NP =      4
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 =      1
Number of wood-associated individuals                 NL =      1
Percentage of wood-associated individuals            %NL =      2
Number of decomposer taxa                            SRT =     24
Percentage of decomposer taxa                       %SRT =     59
Number of decomposer individuals                     NRT =     36
Percentage of decomposer individuals                %NRT =     65
Number of 'dry' decomposer taxa                      SRD =      6
Percentage of 'dry'decomposer taxa                  %SRD =     15
Number of 'dry' decomposer individuals               NRD =     12
Percentage of 'dry'decomposer individuals           %NRD =     22
Number of 'foul' decomposer taxa                     SRF =      5
Percentage of 'foul' decomposer taxa                %SRF =     12
Number of 'foul' decomposer individuals              NRF =      8
Percentage of 'foul' decomposer individuals         %NRF =     15
Index of diversity of decomposer component       alpha RT =     32
Standard error                                SE alpha RT =     11
Number of individuals of grain pests                  NG =     53
Number of uncoded taxa                                SU =      6
Percentage of uncoded individuals                    PNU =     11
```

Site: RB89 Context: 429 Sample: 4390/T - species list in rank order

```
Taxon                                   Number    %   Rank Ecodes

Oryzaephilus surinamensis (Linnaeus)       50    46      1  g
Lathridius minutus group                    7     6      2  rd
Helophorus sp. B                            3     3      3  oa w
Aphodius ?prodromus (Brahm)                 3     3      3  ob rf
Cercyon haemorrhoidalis (Fabricius)         2     2      5  rf
Anotylus nitidulus (Gravenhorst)            2     2      5  rt d
Corticaria sp. A                            2     2      5  rt
Corticaria sp. B                            2     2      5  rt
Sitophilus granarius (Linnaeus)             2     2      5  g
Auchenorhyncha sp.                          1     1     10  oa p
Hemiptera sp.                               1     1     10  u
Bembidion sp.                               1     1     10  oa
Pterostichus (Poecilus) sp.                 1     1     10  oa
Carabidae sp.                               1     1     10  ob
Helophorus sp. A                            1     1     10  oa w
Cercyon analis (Paykull)                    1     1     10  rt
Cryptopleurum minutum (Fabricius)           1     1     10  rf
Onthophilus striatus (Forster)             1     1     10  rt
Histerinae sp.                              1     1     10  u
Omalium caesum or italicum                  1     1     10  rt
```

Xylodromus concinnus (Marsham)	1	1	10	rt
Platystethus arenarius (Fourcroy)	1	1	10	rf
Anotylus tetracarinatus (Block)	1	1	10	rt
Rugilus sp.	1	1	10	rt
Staphylininae sp.	1	1	10	u
Falagria or Cordalia sp.	1	1	10	rt
Aleocharinae sp. A	1	1	10	u
Aleocharinae sp. B	1	1	10	u
Aphodius sp.	1	1	10	ob rf
Phyllopertha horticola (Linnaeus)	1	1	10	oa p
Elateridae sp.	1	1	10	ob
Ptinus fur (Linnaeus)	1	1	10	rd
Cryptolestes ferrugineus (Stephens)	1	1	10	g
Cryptophagus sp. A	1	1	10	rd
Cryptophagus sp. B	1	1	10	rd
Atomaria sp.	1	1	10	rd
Corticarina or Cortinicara sp.	1	1	10	rt
Typhaea stercorea (Linnaeus)	1	1	10	rd
Aglenus brunneus (Gyllenhal)	1	1	10	rt
Anthicus floralis or formicarius	1	1	10	rt
Longitarsus sp.	1	1	10	oa p
Cossoninae sp.	1	1	10	u
Gymnetron sp.	1	1	10	oa p
Leperisinus varius (Fabricius)	1	1	10	l

Site: RB89; Context: 443; Sample: 4398/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 432; Sample: 4401/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 450; Sample: 4403/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 446; Sample: 4411

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 403 Sample: 4341/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                     N =     64
Number of taxa                                         S =     43
Index of diversity (alpha)                         alpha =     57
Standard error of alpha                         SE alpha =     14
Number of 'certain' outdoor taxa                     SOA =      8
Percentage of 'certain' outdoor taxa                %SOA =     19
Number of 'certain' outdoor individuals              NOA =      8
Percentage of 'certain' outdoor individuals         %NOA =     13
Number of 'certain' and probable outdoor taxa        SOB =     13
Percentage of 'certain' and probable outdoor taxa   %SOB =     30
Number of 'certain' and probable outdoor individuals NOB =     13
Percentage 'certain' and probable outdoor individuals %NOB =   20
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 =      2
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 =      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 =      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 =      1
Percentage of wood-associated individuals            %NL =      2
Number of decomposer taxa                            SRT =     22
Percentage of decomposer taxa                       %SRT =     51
Number of decomposer individuals                     NRT =     29
Percentage of decomposer individuals                %NRT =     45
Number of 'dry' decomposer taxa                      SRD =      5
Percentage of 'dry'decomposer taxa                  %SRD =     12
Number of 'dry' decomposer individuals               NRD =      7
Percentage of 'dry'decomposer individuals           %NRD =     11
Number of 'foul' decomposer taxa                     SRF =      5
Percentage of 'foul' decomposer taxa                %SRF =     12
Number of 'foul' decomposer individuals              NRF =      7
Percentage of 'foul' decomposer individuals         %NRF =     11
Index of diversity of decomposer component      alpha RT =     42
Standard error                               SE alpha RT =     18
Number of individuals of grain pests                  NG =     17
Percentage of individuals of grain pests             %NG =     27
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                  NG =     17
Number of uncoded taxa                                SU =      7
Percentage of uncoded individuals                    PNU =     11
```

**Site: RB89 Context: 403 Sample: 4341/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                        N =      47
Number of taxa                                            S =      40
Index of diversity (alpha)                            alpha =     125
Standard error of alpha                            SE alpha =      50
Number of 'certain' outdoor taxa                        SOA =       8
Percentage of 'certain' outdoor taxa                   %SOA =      20
Number of 'certain' outdoor individuals                 NOA =       8
Percentage of 'certain' outdoor individuals            %NOA =      17
Number of 'certain' and probable outdoor taxa           SOB =      13
Percentage of 'certain' and probable outdoor taxa      %SOB =      33
Number of 'certain' and probable outdoor individuals    NOB =      13
Percentage 'certain' and probable outdoor individuals  %NOB =      28
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 =       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 =       3
Percentage of strongly plant-associated taxa            %SP =       8
Number of strongly plant-associated individuals          NP =       3
Percentage of strongly plant-associated individuals     %NP =       6
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 =      22
Percentage of decomposer taxa                          %SRT =      55
Number of decomposer individuals                        NRT =      29
Percentage of decomposer individuals                   %NRT =      62
Number of 'dry' decomposer taxa                         SRD =       5
Percentage of 'dry'decomposer taxa                     %SRD =      13
Number of 'dry' decomposer individuals                  NRD =       7
Percentage of 'dry'decomposer individuals              %NRD =      15
Number of 'foul' decomposer taxa                        SRF =       5
Percentage of 'foul' decomposer taxa                   %SRF =      13
Number of 'foul' decomposer individuals                 NRF =       7
Percentage of 'foul' decomposer individuals            %NRF =      15
Index of diversity of decomposer component         alpha RT =      42
Standard error                                  SE alpha RT =      18
Number of individuals of grain pests                     NG =      17
Number of uncoded taxa                                   SU =       7
Percentage of uncoded individuals                       PNU =      15
```

Site: RB89 Context: 403 Sample: 4341/T - 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
Oryzaephilus surinamensis (Linnaeus)*	15	23	1	g

```
Cercyon analis (Paykull)                      3    5    2    rt
Cercyon haemorrhoidalis (Fabricius)           3    5    2    rf
Falagria ?caesa Erichson                      2    3    4    rt
Cryptophagus sp.                              2    3    4    rd
Lathridius minutus group                      2    3    4    rd
Lygaeidae sp.                                 1    2    7    oa p
Carabus nemoralis Muller                      1    2    7    oa
Dyschirius globosus (Herbst)                  1    2    7    oa
Trechus obtusus or quadristriatus             1    2    7    oa
Carabidae sp. A                               1    2    7    ob
Carabidae sp. B                               1    2    7    ob
Cryptopleurum minutum (Fabricius)             1    2    7    rf
Acritus nigricornis (Hoffmann)                1    2    7    rt
Ochthebius sp.                                1    2    7    oa w
Ptiliidae sp.                                 1    2    7    u
Dropephylla sp.                               1    2    7    u
Xylodromus ?concinnus (Marsham)               1    2    7    rt
Carpelimus sp.                                1    2    7    u
Anotylus nitidulus (Gravenhorst)              1    2    7    rt d
Anotylus tetracarinatus (Block)               1    2    7    rt
Oxytelus sculptus Gravenhorst                 1    2    7    rt
?Gyrohypnus sp.                               1    2    7    rt
Staphylininae sp.                             1    2    7    u
Aleocharinae sp. A                            1    2    7    u
Aleocharinae sp. B                            1    2    7    u
Aleocharinae sp. C                            1    2    7    u
Geotrupes sp.                                 1    2    7    oa rf
Aphodius granarius (Linnaeus)                 1    2    7    ob rf
Aphodius sp.                                  1    2    7    ob rf
Phyllopertha horticola (Linnaeus)             1    2    7    oa p
Elateridae sp.                                1    2    7    ob
Anobium ?punctatum (Degeer)                   1    2    7    l
Ptinus sp.                                    1    2    7    rd
Monotoma picipes Herbst                       1    2    7    rt
Cryptolestes ferrugineus (Stephens)           1    2    7    g
Cryptophagus scutellatus Newman               1    2    7    rd
Corticarina sp.                               1    2    7    rt
Typhaea stercorea (Linnaeus)                  1    2    7    rd
Aglenus brunneus (Gyllenhal)                  1    2    7    rt
Anthicus floralis or formicarius              1    2    7    rt
Longitarsus sp.                               1    2    7    oa p
Sitophilus granarius (Linnaeus)               1    2    7    g
```

Site: RB89; Context: 460; Sample: 4514/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 465; Sample: 4525/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 488; Sample: 4527

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 78; Sample: 4539/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 487; Sample: 4540/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 492; Sample: 4543/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 486; Sample: 4549/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 46; Sample: 4551/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 510 Sample: 4557/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 510 Sample: 4557/T - species list in rank order

Taxon   Number   % Rank Ecodes

Aleocharinae sp.   1 100   1 u

Site: RB89; Context: 518; Sample: 4564/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 107 Sample: 4580/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                          N =      26
Number of taxa                                              S =      22
Index of diversity (alpha)                              alpha =      66
Standard error of alpha                              SE alpha =      34
Number of 'certain' outdoor taxa                          SOA =       2
Percentage of 'certain' outdoor taxa                     %SOA =       9
Number of 'certain' outdoor individuals                   NOA =       2
Percentage of 'certain' outdoor individuals              %NOA =       8
Number of 'certain' and probable outdoor taxa             SOB =       5
Percentage of 'certain' and probable outdoor taxa        %SOB =      23
Number of 'certain' and probable outdoor individuals      NOB =       6
Percentage 'certain' and probable outdoor individuals    %NOB =      23
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 =       9
Number of damp ground/waterside individuals               ND =       2
Percentage of damp ground/waterside individuals          %ND =       8
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 =       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 =       0
Number of wood-associated individuals                     NL =       0
Percentage of wood-associated individuals                %NL =       0
Number of decomposer taxa                                SRT =      13
Percentage of decomposer taxa                           %SRT =      59
Number of decomposer individuals                         NRT =      17
Percentage of decomposer individuals                    %NRT =      65
Number of 'dry' decomposer taxa                          SRD =       5
Percentage of 'dry'decomposer taxa                      %SRD =      23
Number of 'dry' decomposer individuals                   NRD =       7
Percentage of 'dry'decomposer individuals               %NRD =      27
Number of 'foul' decomposer taxa                         SRF =       1
Percentage of 'foul' decomposer taxa                    %SRF =       5
Number of 'foul' decomposer individuals                  NRF =       2
Percentage of 'foul' decomposer individuals             %NRF =       8
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                      NG =       2
Percentage of individuals of grain pests                 %NG =       8
Number of individuals of grain pests                      NG =       2
Number of uncoded taxa                                    SU =       3
Percentage of uncoded individuals                        PNU =      12
```

Site: RB89 Context: 107 Sample: 4580/T - species list in rank order

```
Taxon                                     Number     %   Rank Ecodes


Lathridius minutus group                       3    12      1  rd
Oxytelus sculptus Gravenhorst                  2     8      2  rt
Aphodius sp.                                   2     8      2  ob rf
```

```
?Berytinus sp.                                     1    4    4   oa p
Carabidae sp.                                      1    4    4   ob
Cercyon sp.                                        1    4    4   u
Acritus nigricornis (Hoffmann)                     1    4    4   rt
Omalium sp.                                         1    4    4   rt
Carpelimus ?bilineatus Stephens                    1    4    4   rt
Carpelimus sp.                                      1    4    4   u
Platystethus nitens (Sahlberg)                     1    4    4   oa d
Anotylus nitidulus (Gravenhorst)                   1    4    4   rt d
Anotylus rugosus (Fabricius)                       1    4    4   rt
Neobisnius sp.                                      1    4    4   u
Elateridae sp.                                      1    4    4   ob
Ptinus sp.                                         1    4    4   rd
Oryzaephilus surinamensis (Linnaeus)               1    4    4   g
Cryptophagus sp. A                                 1    4    4   rd
Cryptophagus sp. B                                 1    4    4   rd
Typhaea stercorea (Linnaeus)                       1    4    4   rd
Anthicus floralis or formicarius                   1    4    4   rt
Sitophilus granarius (Linnaeus)                    1    4    4   g
```

Site: RB89; Context: 498; Sample: 4585

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 124 Sample: 4592/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                        N =     49
Number of taxa                                            S =     36
Index of diversity (alpha)                            alpha =     61
Standard error of alpha                            SE alpha =     19
Number of 'certain' outdoor taxa                        SOA =     11
Percentage of 'certain' outdoor taxa                   %SOA =     31
Number of 'certain' outdoor individuals                 NOA =     12
Percentage of 'certain' outdoor individuals            %NOA =     24
Number of 'certain' and probable outdoor taxa           SOB =     17
Percentage of 'certain' and probable outdoor taxa      %SOB =     47
Number of 'certain' and probable outdoor individuals    NOB =     19
Percentage 'certain' and probable outdoor individuals  %NOB =     39
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 =      2
Percentage of aquatic individuals                      %NW =      4
Number of damp ground/waterside taxa                    SD =      2
Percentage of damp ground/waterside taxa               %SD =      6
Number of damp ground/waterside individuals             ND =      3
Percentage of damp ground/waterside individuals        %ND =      6
Number of strongly plant-associated taxa                SP =      5
Percentage of strongly plant-associated taxa           %SP =     14
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 =      1
Number of wood-associated individuals                 NL =      1
Percentage of wood-associated individuals            %NL =      2
Number of decomposer taxa                            SRT =     11
Percentage of decomposer taxa                       %SRT =     31
Number of decomposer individuals                     NRT =     15
Percentage of decomposer individuals                %NRT =     31
Number of 'dry' decomposer taxa                      SRD =      2
Percentage of 'dry'decomposer taxa                  %SRD =      6
Number of 'dry' decomposer individuals               NRD =      3
Percentage of 'dry'decomposer individuals           %NRD =      6
Number of 'foul' decomposer taxa                     SRF =      3
Percentage of 'foul' decomposer taxa                %SRF =      8
Number of 'foul' decomposer individuals              NRF =      4
Percentage of 'foul' decomposer individuals         %NRF =      8
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                  NG =     11
Percentage of individuals of grain pests             %NG =     22
Number of individuals of grain pests                  NG =     11
Number of uncoded taxa                                SU =      7
Percentage of uncoded individuals                    PNU =     14
```

Site: RB89 Context: 124 Sample: 4592/T - species list in rank order

```
Taxon                                 Number    %   Rank Ecodes


Oryzaephilus surinamensis (Linnaeus)       7   14      1  g
Cryptolestes ferrugineus (Stephens)        3    6      2  g
Helophorus sp.                             2    4      3  oa w
Anotylus nitidulus (Gravenhorst)           2    4      3  rt d
Falagria or Cordalia sp.                   2    4      3  rt
Aphodius sp. C                             2    4      3  ob rf
Cryptophagus sp.                           2    4      3  rd
Trechus obtusus or quadristriatus          1    2      8  oa
Bembidion (Philochthus) sp.                1    2      8  oa
Pterostichus sp.                           1    2      8  ob
Carabidae sp.                              1    2      8  ob
Platystethus nitens (Sahlberg)             1    2      8  oa d
Anotylus rugosus (Fabricius)               1    2      8  rt
Gyrohypnus sp.                             1    2      8  rt
Staphylininae sp. A                        1    2      8  u
Staphylininae sp. B                        1    2      8  u
Tachyporus sp.                             1    2      8  u
Aleochara sp.                              1    2      8  u
Aleocharinae sp. A                         1    2      8  u
Aleocharinae sp. B                         1    2      8  u
Aphodius sp. A                             1    2      8  ob rf
Aphodius sp. B                             1    2      8  ob rf
Phyllopertha horticola (Linnaeus)          1    2      8  oa p
Melanotus sp.                              1    2      8  l
Actenicerus sjaelandicus (Muller)          1    2      8  oa
Elateridae sp.                             1    2      8  ob
Monotoma sp.                               1    2      8  rt
Lathridius minutus group                   1    2      8  rd
Corticarina ?fuscula (Gyllenhal)           1    2      8  rt
```

```
?Palorus sp.                                    1    2    8   u
?Gastrophysa viridula (Degeer)                  1    2    8   oa p
Chrysomelinae sp.                               1    2    8   oa p
Longitarsus sp.                                 1    2    8   oa p
Halticinae sp.                                  1    2    8   oa p
Sitophilus granarius (Linnaeus)                 1    2    8   g
Curculionidae sp.                               1    2    8   oa
```

Site: RB89; Context: 535; Sample: 4596/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 470; Sample: 4598

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 541; Sample: 4610/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 548; Sample: 4621/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 559; Sample: 4627/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 555; Sample: 4629/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 560; Sample: 4635/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 464; Sample: 4639/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 566; Sample: 4642/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89; Context: 570; Sample: 4647/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 259 Sample: 4648/T1 - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                    N =     71
Number of taxa                                        S =     54
Index of diversity (alpha)                        alpha =    102
Standard error of alpha                        SE alpha =     27
Number of 'certain' outdoor taxa                    SOA =     20
Percentage of 'certain' outdoor taxa               %SOA =     37
Number of 'certain' outdoor individuals             NOA =     29
Percentage of 'certain' outdoor individuals        %NOA =     41
Number of 'certain' and probable outdoor taxa       SOB =     24
Percentage of 'certain' and probable outdoor taxa  %SOB =     44
Number of 'certain' and probable outdoor individuals   NOB =     35
Percentage 'certain' and probable outdoor individuals  %NOB =     49
Index of diversity of outdoor component        alpha OB =     34
Standard error                              SE alpha OB =     12
Number of aquatic taxa                               SW =      6
Percentage of aquatic taxa                          %SW =     11
Number of aquatic individuals                        NW =     15
Percentage of aquatic individuals                   %NW =     21
Number of damp ground/waterside taxa                 SD =      3
Percentage of damp ground/waterside taxa            %SD =      6
Number of damp ground/waterside individuals          ND =      3
Percentage of damp ground/waterside individuals     %ND =      4
Number of strongly plant-associated taxa             SP =      7
Percentage of strongly plant-associated taxa        %SP =     13
Number of strongly plant-associated individuals      NP =      7
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 =      1
Number of wood-associated individuals                NL =      1
Percentage of wood-associated individuals           %NL =      1
Number of decomposer taxa                           SRT =     17
Percentage of decomposer taxa                      %SRT =     31
Number of decomposer individuals                    NRT =     20
Percentage of decomposer individuals               %NRT =     28
Number of 'dry' decomposer taxa                     SRD =      3
Percentage of 'dry'decomposer taxa                 %SRD =      6
Number of 'dry' decomposer individuals              NRD =      3
Percentage of 'dry'decomposer individuals          %NRD =      4
Number of 'foul' decomposer taxa                    SRF =      6
Percentage of 'foul' decomposer taxa               %SRF =     11
Number of 'foul' decomposer individuals             NRF =      9
```

```
Percentage of 'foul' decomposer individuals          %NRF =      13
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                 NG  =       4
Percentage of individuals of grain pests             %NG =       6
Number of individuals of grain pests                 NG  =       4
Number of uncoded taxa                               SU  =      12
Percentage of uncoded individuals                    PNU =      21
```

Site: RB89 Context: 259 Sample: 4648/T1 - species list in rank order

Taxon	Number	%	Rank	Ecodes
Helophorus sp.	8	11	1	oa w
Aleocharinae sp. A	4	6	2	u
Helophorus aquaticus or grandis	3	4	3	oa w
Aphodius sp. A	3	4	3	ob rf
Cercyon ?haemorrhoidalis (Fabricius)	2	3	5	rf
Cryptolestes ferrugineus (Stephens)	2	3	5	g
Oryzaephilus surinamensis (Linnaeus)	2	3	5	g
Lygaeidae sp.	1	1	8	oa p
Saldidae sp.	1	1	8	oa d
Conomelus anceps (Germar)	1	1	8	oa p
Auchenorhyncha sp.	1	1	8	oa p
Trechus obtusus or quadristriatus	1	1	8	oa
Pterostichus ?strenuus (Panzer)	1	1	8	oa
Calathus sp.	1	1	8	oa
Amara sp.	1	1	8	oa
Carabidae sp. A	1	1	8	ob
Hydroporinae sp.	1	1	8	oa w
Cercyon analis (Paykull)	1	1	8	rt
Cercyon atricapillus (Marsham)	1	1	8	rf
Megasternum obscurum (Marsham)	1	1	8	rt
Cryptopleurum minutum (Fabricius)	1	1	8	rf
Hydrobius fuscipes (Linnaeus)	1	1	8	oa w
Chaetarthria seminulum (Herbst)	1	1	8	oa w
Ochthebius sp.	1	1	8	oa w
Omalium ?rivulare (Paykull)	1	1	8	rt
Carpelimus ?bilineatus Stephens	1	1	8	rt
Carpelimus sp.	1	1	8	u
Platystethus arenarius (Fourcroy)	1	1	8	rf
Anotylus nitidulus (Gravenhorst)	1	1	8	rt d
Xantholinus longiventris Heer	1	1	8	rt
Philonthus sp. A	1	1	8	u
Philonthus sp. B	1	1	8	u
Staphylininae sp.	1	1	8	u
Falagria or Cordalia sp.	1	1	8	rt
Aleochara sp.	1	1	8	u
Aleocharinae sp. B	1	1	8	u
Aleocharinae sp. C	1	1	8	u
Aleocharinae sp. D	1	1	8	u
Aleocharinae sp. E	1	1	8	u
Aphodius sp. B	1	1	8	ob rf
Phyllopertha horticola (Linnaeus)	1	1	8	oa p
Dryops sp.	1	1	8	oa d

```
Elateridae sp.                                        1    1    8   ob
Anobium punctatum (Degeer)                            1    1    8   l
Malachius ?marginellus (Olivier)                      1    1    8   u
Monotoma sp.                                          1    1    8   rt
Cryptophagus sp.                                      1    1    8   rd
Ephistemus globulus (Paykull)                         1    1    8   rd
Lathridius minutus group                              1    1    8   rd
Chrysomelinae sp.                                     1    1    8   oa p
Phyllotreta sp.                                       1    1    8   oa p
Longitarsus sp.                                       1    1    8   oa p
Curculionidae sp.                                     1    1    8   oa
Coleoptera sp.                                        1    1    8   u
```

Site: RB89 Context: 623 Sample: 4704/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                     N =      2
Number of taxa                                         S =      2
```

Site: RB89 Context: 623 Sample: 4704/T - species list in rank order

```
Taxon                                  Number    %   Rank Ecodes

?Calathus sp.                            1    50     1  oa
Cryptolestes ferrugineus (Stephens)      1    50     1  g
```

Site: RB89 Context: 426 Sample: 4711/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                     N =    100
Number of taxa                                         S =     46
Index of diversity (alpha)                         alpha =     33
Standard error of alpha                         SE alpha =      6
Number of 'certain' outdoor taxa                     SOA =      9
Percentage of 'certain' outdoor taxa                %SOA =     20
Number of 'certain' outdoor individuals              NOA =     12
Percentage of 'certain' outdoor individuals         %NOA =     12
Number of 'certain' and probable outdoor taxa        SOB =     13
Percentage of 'certain' and probable outdoor taxa   %SOB =     28
Number of 'certain' and probable outdoor individuals  NOB =    16
Percentage 'certain' and probable outdoor individuals %NOB =   16
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 =       3
Percentage of aquatic individuals                   %NW =       3
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 =       2
```

```
Number of strongly plant-associated taxa              SP =     5
Percentage of strongly plant-associated taxa         %SP =    11
Number of strongly plant-associated individuals       NP =     7
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 =     0
Number of wood-associated individuals                 NL =     0
Percentage of wood-associated individuals            %NL =     0
Number of decomposer taxa                            SRT =    24
Percentage of decomposer taxa                       %SRT =    52
Number of decomposer individuals                     NRT =    47
Percentage of decomposer individuals                %NRT =    47
Number of 'dry' decomposer taxa                      SRD =     6
Percentage of 'dry'decomposer taxa                  %SRD =    13
Number of 'dry' decomposer individuals               NRD =    15
Percentage of 'dry'decomposer individuals           %NRD =    15
Number of 'foul' decomposer taxa                     SRF =     5
Percentage of 'foul' decomposer taxa                %SRF =    11
Number of 'foul' decomposer individuals              NRF =     7
Percentage of 'foul' decomposer individuals         %NRF =     7
Index of diversity of decomposer component      alpha RT =    20
Standard error                                  SE alpha RT =   5
Number of individuals of grain pests                  NG =    29
Percentage of individuals of grain pests             %NG =    29
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                  NG =    29
Number of uncoded taxa                                SU =     7
Percentage of uncoded individuals                    PNU =    10
```

Site: RB89 Context: 426 Sample: 4711/T - beetle/bug main statistics re-run after subtraction of grain pest component

```
Erosion = 3 Fragmentation = 4; Weight = 1.000kg

Number of individuals estimated as                    N =     71
Number of taxa                                        S =     42
Index of diversity (alpha)                        alpha =     44
Standard error of alpha                        SE alpha =     10
Number of 'certain' outdoor taxa                    SOA =      9
Percentage of 'certain' outdoor taxa               %SOA =     21
Number of 'certain' outdoor individuals             NOA =     12
Percentage of 'certain' outdoor individuals        %NOA =     17
Number of 'certain' and probable outdoor taxa       SOB =     13
Percentage of 'certain' and probable outdoor taxa  %SOB =     31
Number of 'certain' and probable outdoor individuals NOB =    16
Percentage 'certain' and probable outdoor individuals %NOB =   23
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                               SW =      2
Percentage of aquatic taxa                          %SW =      5
Number of aquatic individuals                        NW =      3
Percentage of aquatic individuals                   %NW =      4
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 =      3
```

```
Number of strongly plant-associated taxa                    SP =      5
Percentage of strongly plant-associated taxa               %SP =     12
Number of strongly plant-associated individuals             NP =      7
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 =      0
Number of wood-associated individuals                       NL =      0
Percentage of wood-associated individuals                  %NL =      0
Number of decomposer taxa                                  SRT =     24
Percentage of decomposer taxa                             %SRT =     57
Number of decomposer individuals                           NRT =     47
Percentage of decomposer individuals                      %NRT =     66
Number of 'dry' decomposer taxa                            SRD =      6
Percentage of 'dry'decomposer taxa                        %SRD =     14
Number of 'dry' decomposer individuals                     NRD =     15
Percentage of 'dry'decomposer individuals                 %NRD =     21
Number of 'foul' decomposer taxa                           SRF =      5
Percentage of 'foul' decomposer taxa                      %SRF =     12
Number of 'foul' decomposer individuals                    NRF =      7
Percentage of 'foul' decomposer individuals               %NRF =     10
Index of diversity of decomposer component            alpha RT =     20
Standard error                                     SE alpha RT =      5
Number of individuals of grain pests                        NG =     29
Number of uncoded taxa                                      SU =      7
Percentage of uncoded individuals                          PNU =     14
```

Site: RB89 Context: 426 Sample: 4711/T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes

Oryzaephilus surinamensis (Linnaeus)         11     11      1 g
Cryptolestes ferrugineus (Stephens)           9      9      2 g
Lathridius minutus group                      7      7      3 rd
Sitophilus granarius (Linnaeus)               7      7      3 g
Enicmus sp.                                   5      5      5 rt
Cortinicara gibbosa (Herbst)                  4      4      6 rt
Cryptophagus sp.                              3      3      7 rd
Auchenorhyncha sp.                            2      2      8 oa p
Helophorus aquaticus or grandis               2      2      8 oa w
Cercyon atricapillus (Marsham)                2      2      8 rf
Cryptopleurum minutum (Fabricius)             2      2      8 rf
Anotylus nitidulus (Gravenhorst)              2      2      8 rt d
Anotylus rugosus (Fabricius)                  2      2      8 rt
Stenus sp.                                    2      2      8 u
Leptacinus sp.                                2      2      8 rt
Philonthus or Gabrius sp.                     2      2      8 u
Staphylininae sp.                             2      2      8 u
Falagria or Cordalia sp.                      2      2      8 rt
Atomaria sp. A                                2      2      8 rd
Aglenus brunneus (Gyllenhal)                  2      2      8 rt
Palorus ratzeburgi (Wissman)                  2      2      8 g
Apion sp.                                     2      2      8 oa p
Conomelus anceps (Germar)                     1      1     23 oa p
Carabidae sp. A                               1      1     23 ob
Carabidae sp. B                               1      1     23 ob
```

```
Hydroporinae sp.                                    1    1    23   oa w
Cercyon ?haemorrhoidalis (Fabricius)                1    1    23   rf
Acritus nigricornis (Hoffmann)                      1    1    23   rt
?Carpelimus sp.                                     1    1    23   u
Carpelimus sp. A                                    1    1    23   u
Oxytelus sculptus Gravenhorst                       1    1    23   rt
Gyrohypnus sp.                                      1    1    23   rt
Aleocharinae sp. A                                  1    1    23   u
Aleocharinae sp. B                                  1    1    23   u
Aphodius ater (Degeer)                              1    1    23   oa rf
Aphodius sp.                                        1    1    23   ob rf
Elateridae sp.                                      1    1    23   ob
?Tipnus unicolor (Piller & Mitterpacher)            1    1    23   rd
Monotoma sp.                                        1    1    23   rt
Atomaria sp. B                                      1    1    23   rd
Corticaria sp.                                      1    1    23   rt
Typhaea stercorea (Linnaeus)                        1    1    23   rd
Tenebrio obscurus Fabricius                         1    1    23   rt
?Gastrophysa sp.                                    1    1    23   oa p
Sitona sp.                                          1    1    23   oa p
Curculionidae sp.                                   1    1    23   oa
```

Site: RB89 Context: 55 Sample: 4713/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                       N =     2
Number of taxa                                           S =     2
```

Site: RB89 Context: 55 Sample: 4713/T - species list in rank order

```
Taxon                                   Number    %   Rank Ecodes

?Aphodius sp.                               1    50     1  ob rf
?Curculionidae sp.                          1    50     1  oa
```

Site: RB89; Context: 630; Sample: 4718

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 645 Sample: 4726/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                       N =    19
Number of taxa                                           S =    16
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                       SOA =     1
Percentage of 'certain' outdoor taxa                  %SOA =     6
Number of 'certain' outdoor individuals                NOA =     1
Percentage of 'certain' outdoor individuals           %NOA =     5
Number of 'certain' and probable outdoor taxa          SOB =     2
```

```
Percentage of 'certain' and probable outdoor taxa        %SOB =      13
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 =       5
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 =       0
Number of wood-associated individuals                      NL =       0
Percentage of wood-associated individuals                 %NL =       0
Number of decomposer taxa                                 SRT =      10
Percentage of decomposer taxa                            %SRT =      63
Number of decomposer individuals                          NRT =      13
Percentage of decomposer individuals                     %NRT =      68
Number of 'dry' decomposer taxa                           SRD =       6
Percentage of 'dry'decomposer taxa                       %SRD =      38
Number of 'dry' decomposer individuals                    NRD =       9
Percentage of 'dry'decomposer individuals                %NRD =      47
Number of 'foul' decomposer taxa                          SRF =       3
Percentage of 'foul' decomposer taxa                     %SRF =      19
Number of 'foul' decomposer individuals                   NRF =       3
Percentage of 'foul' decomposer individuals              %NRF =      16
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 =       5
Percentage of uncoded individuals                         PNU =      26
```

Site: RB89 Context: 645 Sample: 4726/T - species list in rank order

```
Taxon                                         Number    %   Rank Ecodes


Lathridius minutus group                          3    16      1  rd
Ptinus sp.                                        2    11      2  rd
Lyctocoris campestris (Fabricius)                 1     5      3  rd
Helophorus sp.                                    1     5      3  oa w
Cercyon ?atricapillus (Marsham)                   1     5      3  rf
Cercyon unipunctatus (Linnaeus)                   1     5      3  rf
Staphylininae sp.                                 1     5      3  u
Aleocharinae sp.                                  1     5      3  u
Aphodius sp.                                      1     5      3  ob rf
Cryptophagus scutellatus Newman                   1     5      3  rd
Cryptophagus sp.                                  1     5      3  rd
Typhaea stercorea (Linnaeus)                      1     5      3  rd
```

```
Anthicus floralis or formicarius                        1    5    3   rt
Coleoptera sp. A                                        1    5    3   u
Coleoptera sp. B                                        1    5    3   u
Coleoptera sp. C                                        1    5    3   u
```

Site: RB89 Context: 300 Sample: 4747/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                      N =      20
Number of taxa                                          S =      18
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                      SOA =       4
Percentage of 'certain' outdoor taxa                 %SOA =      22
Number of 'certain' outdoor individuals               NOA =       4
Percentage of 'certain' outdoor individuals          %NOA =      20
Number of 'certain' and probable outdoor taxa         SOB =       4
Percentage of 'certain' and probable outdoor taxa    %SOB =      22
Number of 'certain' and probable outdoor individuals  NOB =       4
Percentage 'certain' and probable outdoor individuals %NOB =     20
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 =       0
Number of wood-associated individuals                  NL =       0
Percentage of wood-associated individuals             %NL =       0
Number of decomposer taxa                             SRT =       6
Percentage of decomposer taxa                        %SRT =      33
Number of decomposer individuals                      NRT =       6
Percentage of decomposer individuals                 %NRT =      30
Number of 'dry' decomposer taxa                       SRD =       1
Percentage of 'dry'decomposer taxa                   %SRD =       6
Number of 'dry' decomposer individuals                NRD =       1
Percentage of 'dry'decomposer individuals            %NRD =       5
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 =       2
Percentage of individuals of grain pests              %NG =      10
Number of individuals of grain pests                   NG =       2
Number of uncoded taxa                                 SU =       6
Percentage of uncoded individuals                     PNU =      40
```

Site: RB89 Context: 300 Sample: 4747/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Aleocharinae sp.	3	15	1	u
Clivina sp.	1	5	2	oa
Patrobus sp.	1	5	2	oa
Trechus obtusus or quadristriatus	1	5	2	oa
Bembidion sp.	1	5	2	oa
Cercyon sp.	1	5	2	u
Carpelimus ?bilineatus Stephens	1	5	2	rt
Carpelimus fuliginosus (Gravenhorst)	1	5	2	u
Carpelimus pusillus group	1	5	2	u
Gyrohypnus ?punctulatus (Paykull)	1	5	2	rt
Gyrohypnus sp.	1	5	2	rt
Neobisnius sp.	1	5	2	u
Cilea silphoides (Linnaeus)	1	5	2	rt
Cryptolestes ferrugineus (Stephens)	1	5	2	g
Lathridius minutus group	1	5	2	rd
Anthicus floralis or formicarius	1	5	2	rt
Sitophilus granarius (Linnaeus)	1	5	2	g
Coleoptera sp.	1	5	2	u

Site: RB89 Context: 305 Sample: 4749/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

Number of individuals estimated as	N =	113
Number of taxa	S =	69
Index of diversity (alpha)	alpha =	75
Standard error of alpha	SE alpha =	13
Number of 'certain' outdoor taxa	SOA =	18
Percentage of 'certain' outdoor taxa	%SOA =	26
Number of 'certain' outdoor individuals	NOA =	23
Percentage of 'certain' outdoor individuals	%NOA =	20
Number of 'certain' and probable outdoor taxa	SOB =	23
Percentage of 'certain' and probable outdoor taxa	%SOB =	33
Number of 'certain' and probable outdoor individuals	NOB =	30
Percentage 'certain' and probable outdoor individuals	%NOB =	27
Index of diversity of outdoor component	alpha OB =	46
Standard error	SE alpha OB =	20
Number of aquatic taxa	SW =	1
Percentage of aquatic taxa	%SW =	1
Number of aquatic individuals	NW =	3
Percentage of aquatic individuals	%NW =	3
Number of damp ground/waterside taxa	SD =	2
Percentage of damp ground/waterside taxa	%SD =	3
Number of damp ground/waterside individuals	ND =	3
Percentage of damp ground/waterside individuals	%ND =	3
Number of strongly plant-associated taxa	SP =	7
Percentage of strongly plant-associated taxa	%SP =	10
Number of strongly plant-associated individuals	NP =	8
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  =      2
Number of decomposer taxa                           SRT =     34
Percentage of decomposer taxa                      %SRT =     49
Number of decomposer individuals                    NRT =     71
Percentage of decomposer individuals               %NRT =     63
Number of 'dry' decomposer taxa                     SRD =      5
Percentage of 'dry'decomposer taxa                 %SRD =      7
Number of 'dry' decomposer individuals              NRD =     11
Percentage of 'dry'decomposer individuals          %NRD =     10
Number of 'foul' decomposer taxa                    SRF =      7
Percentage of 'foul' decomposer taxa               %SRF =     10
Number of 'foul' decomposer individuals             NRF =     19
Percentage of 'foul' decomposer individuals        %NRF =     17
Index of diversity of decomposer component     alpha RT =     26
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  =     13
Percentage of uncoded individuals                   PNU =     13
```

Site: RB89 Context: 305 Sample: 4749/T - 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

Cercyon atricapillus (Marsham)              10     9     1  rf
Oxytelus sculptus Gravenhorst                7     6     2  rt
Lathridius minutus group *                   6     5     3  rd
Leptacinus pusillus (Stephens)               5     4     4  rt
Cercyon analis (Paykull)                     4     4     5  rt
Helophorus sp.                               3     3     6  oa w
Anotylus rugosus (Fabricius)                 3     3     6  rt
Aphodius sp. B                               3     3     6  ob rf
Anthocoris sp.                               2     2     9  oa p
Dyschirius globosus (Herbst)                 2     2     9  oa
Clivina fossor (Linnaeus)                    2     2     9  oa
Cercyon ?haemorrhoidalis (Fabricius)         2     2     9  rf
Acrotrichis sp.                              2     2     9  rt
Carpelimus ?bilineatus Stephens              2     2     9  rt
Anotylus nitidulus (Gravenhorst)             2     2     9  rt d
Neobisnius sp.                               2     2     9  u
Philonthus sp. B                             2     2     9  u
Atomaria sp.                                 2     2     9  rd
Anthicus floralis or formicarius             2     2     9  rt
Berytinus sp.                                1     1    20  oa p
Cicindelinae sp.                             1     1    20  oa
Trechus quadristriatus (Schrank)             1     1    20  oa
Pterostichus ?versicolor (Sturm)             1     1    20  oa
Pterostichus (Poecilus) sp.                  1     1    20  oa
Amara sp.                                    1     1    20  oa
Carabidae sp.                                1     1    20  ob
Megasternum obscurum (Marsham)               1     1    20  rt
```

```
Cryptopleurum minutum (Fabricius)                       1    1    20    rf
Acritus nigricornis (Hoffmann)                          1    1    20    rt
Histerinae sp.                                          1    1    20    u
Ptenidium sp.                                           1    1    20    rt
Micropeplus fulvus Erichson                             1    1    20    rt
Omalium sp. A                                           1    1    20    rt
Omalium sp. B                                           1    1    20    rt
Xylodromus ?concinnus (Marsham)                         1    1    20    rt
Carpelimus sp.                                          1    1    20    u
Platystethus ?nitens (Sahlberg)                         1    1    20    oa d
Stenus sp.                                              1    1    20    u
Gyrohypnus angustatus Stephens                          1    1    20    rt
Philonthus sp. A                                        1    1    20    u
Philonthus sp. C                                        1    1    20    u
Tachinus sp.                                            1    1    20    u
Cordalia obscura (Gravenhorst)                          1    1    20    rt
Aleocharinae sp. A                                      1    1    20    u
Aleocharinae sp. B                                      1    1    20    u
Aleocharinae sp. C                                      1    1    20    u
Geotrupes sp.                                           1    1    20    oa rf
Aphodius sp. A                                          1    1    20    ob rf
Aphodius sp. C                                          1    1    20    ob rf
Agrypnus murinus (Linnaeus)                             1    1    20    oa p
?Melanotus sp.                                          1    1    20    l
Denticollis linearis (Linnaeus)                         1    1    20    u
Elateridae sp.                                          1    1    20    ob
Dermestes sp.                                           1    1    20    rt
Anobium punctatum (Degeer)                              1    1    20    l
Ptinus ?fur (Linnaeus)                                  1    1    20    rd
Brachypterus sp.                                        1    1    20    oa p
Meligethes sp.                                          1    1    20    oa p
Monotoma longicollis (Gyllenhall)                       1    1    20    rt
Monotoma sp.                                            1    1    20    rt
Oryzaephilus surinamensis (Linnaeus)                    1    1    20    g
Cryptophagus sp.                                        1    1    20    rd
Stephostethus lardarius (Degeer)                        1    1    20    rt
Typhaea stercorea (Linnaeus)                            1    1    20    rd
Aglenus brunneus (Gyllenhal)                            1    1    20    rt
?Aphthona sp.                                           1    1    20    oa p
Ceutorhynchus sp.                                       1    1    20    oa p
Curculionidae sp.                                       1    1    20    oa
Coleoptera sp. A                                        1    1    20    u
```

Site: RB89 Context: 246 Sample: 4751/T - beetle/bug main statistics

Erosion = 4 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                       N =     59
Number of taxa                                           S =     33
Index of diversity (alpha)                           alpha =     31
Standard error of alpha                           SE alpha =      7
Number of 'certain' outdoor taxa                       SOA =      6
Percentage of 'certain' outdoor taxa                  %SOA =     18
Number of 'certain' outdoor individuals                NOA =      6
Percentage of 'certain' outdoor individuals           %NOA =     10
Number of 'certain' and probable outdoor taxa          SOB =     10
Percentage of 'certain' and probable outdoor taxa     %SOB =     30
```

```
Number of 'certain' and probable outdoor individuals    NOB =     10
Percentage 'certain' and probable outdoor individuals  %NOB =     17
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                   SW =      2
Percentage of aquatic taxa                              %SW =      6
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 =      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 =     14
Percentage of decomposer taxa                          %SRT =     42
Number of decomposer individuals                        NRT =     24
Percentage of decomposer individuals                   %NRT =     41
Number of 'dry' decomposer taxa                         SRD =      2
Percentage of 'dry'decomposer taxa                     %SRD =      6
Number of 'dry' decomposer individuals                  NRD =      4
Percentage of 'dry'decomposer individuals              %NRD =      7
Number of 'foul' decomposer taxa                        SRF =      4
Percentage of 'foul' decomposer taxa                   %SRF =     12
Number of 'foul' decomposer individuals                 NRF =      5
Percentage of 'foul' decomposer individuals            %NRF =      8
Index of diversity of decomposer component         alpha RT =     14
Standard error                                  SE alpha RT =      5
Number of individuals of grain pests                     NG =     16
Percentage of individuals of grain pests                %NG =     27
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                     NG =     16
Number of uncoded taxa                                   SU =      7
Percentage of uncoded individuals                       PNU =     19
```

**Site: RB89 Context: 246 Sample: 4751/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 4 Fragmentation = 4; Weight = 1.000kg


Number of individuals estimated as                        N =     43
Number of taxa                                            S =     29
Index of diversity (alpha)                            alpha =     40
Standard error of alpha                            SE alpha =     12
Number of 'certain' outdoor taxa                        SOA =      6
Percentage of 'certain' outdoor taxa                   %SOA =     21
Number of 'certain' outdoor individuals                 NOA =      6
Percentage of 'certain' outdoor individuals            %NOA =     14
Number of 'certain' and probable outdoor taxa           SOB =     10
Percentage of 'certain' and probable outdoor taxa      %SOB =     34
```

```
Number of 'certain' and probable outdoor individuals    NOB =    10
Percentage 'certain' and probable outdoor individuals  %NOB =    23
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                   SW =     2
Percentage of aquatic taxa                              %SW =     7
Number of aquatic individuals                            NW =     2
Percentage of aquatic individuals                       %NW =     5
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 =    14
Percentage of decomposer taxa                          %SRT =    48
Number of decomposer individuals                        NRT =    24
Percentage of decomposer individuals                   %NRT =    56
Number of 'dry' decomposer taxa                         SRD =     2
Percentage of 'dry'decomposer taxa                     %SRD =     7
Number of 'dry' decomposer individuals                  NRD =     4
Percentage of 'dry'decomposer individuals              %NRD =     9
Number of 'foul' decomposer taxa                        SRF =     4
Percentage of 'foul' decomposer taxa                   %SRF =    14
Number of 'foul' decomposer individuals                 NRF =     5
Percentage of 'foul' decomposer individuals            %NRF =    12
Index of diversity of decomposer component         alpha RT =    14
Standard error                                  SE alpha RT =     5
Number of individuals of grain pests                     NG =    16
Number of uncoded taxa                                   SU =     7
Percentage of uncoded individuals                       PNU =    26
```

Site: RB89 Context: 246 Sample: 4751/T - species list in rank order

```
Taxon                                    Number     %   Rank Ecodes


Cryptolestes ferrugineus (Stephens)         10    17      1  g
Cercyon analis (Paykull)                     5     8      2  rt
Oryzaephilus surinamensis (Linnaeus)         4     7      3  g
Carpelimus ?bilineatus Stephens              3     5      4  rt
Cryptopleurum minutum (Fabricius)            2     3      5  rf
Carpelimus sp.                               2     3      5  u
Anotylus rugosus (Fabricius)                 2     3      5  rt
Stenus sp.                                   2     3      5  u
Neobisnius sp.                               2     3      5  u
Aleocharinae sp.                             2     3      5  u
Cryptophagus sp.                             2     3      5  rd
Lathridius minutus group                     2     3      5  rd
?Conomelus anceps (Germar)                   1     2     13  oa p
Bembidion sp.                                1     2     13  oa
```

```
Pterostichus sp.                              1    2    13   ob
Carabidae sp.                                 1    2    13   ob
Helophorus sp. A                              1    2    13   oa w
Helophorus sp. B                              1    2    13   oa w
Cercyon atricapillus (Marsham)                1    2    13   rf
Platystethus alutaceus Thomson                1    2    13   oa d
Anotylus tetracarinatus (Block)               1    2    13   rt
Oxytelus sculptus Gravenhorst                 1    2    13   rt
Staphylininae sp.                             1    2    13   u
Falagria or Cordalia sp.                      1    2    13   rt
Aphodius sp. A                                1    2    13   ob rf
Aphodius sp. B                                1    2    13   ob rf
?Rhizophagus sp.                              1    2    13   u
Monotoma sp.                                  1    2    13   rt
Corticaria sp.                                1    2    13   rt
Palorus ratzeburgi (Wissman)                  1    2    13   g
Sitophilus granarius (Linnaeus)               1    2    13   g
Curculionidae sp.                             1    2    13   oa
Coleoptera sp.                                1    2    13   u
```

Site: RB89 Context: 262 Sample: 4756/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                  N =      72
Number of taxa                                      S =      56
Index of diversity (alpha)                      alpha =     115
Standard error of alpha                      SE alpha =      31
Number of 'certain' outdoor taxa                  SOA =       8
Percentage of 'certain' outdoor taxa             %SOA =      14
Number of 'certain' outdoor individuals           NOA =       9
Percentage of 'certain' outdoor individuals      %NOA =      13
Number of 'certain' and probable outdoor taxa     SOB =      13
Percentage of 'certain' and probable outdoor taxa %SOB =    23
Number of 'certain' and probable outdoor individuals  NOB =  14
Percentage 'certain' and probable outdoor individuals %NOB =  19
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 =       3
Percentage of aquatic individuals                 %NW =       4
Number of damp ground/waterside taxa               SD =       1
Percentage of damp ground/waterside taxa          %SD =       2
Number of damp ground/waterside individuals        ND =       3
Percentage of damp ground/waterside individuals   %ND =       4
Number of strongly plant-associated taxa           SP =       3
Percentage of strongly plant-associated taxa      %SP =       5
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 =       1
Number of wood-associated individuals              NL =       1
Percentage of wood-associated individuals         %NL =       1
Number of decomposer taxa                         SRT =      23
Percentage of decomposer taxa                    %SRT =      41
```

```
Number of decomposer individuals                        NRT =      34
Percentage of decomposer individuals                   %NRT =      47
Number of 'dry' decomposer taxa                         SRD =       5
Percentage of 'dry'decomposer taxa                     %SRD =       9
Number of 'dry' decomposer individuals                  NRD =       7
Percentage of 'dry'decomposer individuals              %NRD =      10
Number of 'foul' decomposer taxa                        SRF =       6
Percentage of 'foul' decomposer taxa                   %SRF =      11
Number of 'foul' decomposer individuals                 NRF =       9
Percentage of 'foul' decomposer individuals            %NRF =      13
Index of diversity of decomposer component          alpha RT =      32
Standard error                                   SE alpha RT =      11
Number of individuals of grain pests                     NG =       7
Percentage of individuals of grain pests                %NG =      10
Number of individuals of grain pests                     NG =       7
Number of uncoded taxa                                   SU =      18
Percentage of uncoded individuals                       PNU =      25
```

Site: RB89 Context: 262 Sample: 4756/T - species list in rank order

```
Taxon                                    Number    %   Rank Ecodes


Cryptolestes ferrugineus (Stephens)          5    7      1 g
Cercyon atricapillus (Marsham)               4    6      2 rf
Cercyon analis (Paykull)                     3    4      3 rt
Anotylus nitidulus (Gravenhorst)             3    4      3 rt d
Helophorus sp.                               2    3      5 oa w
Megasternum obscurum (Marsham)               2    3      5 rt
Xylodromus concinnus (Marsham)               2    3      5 rt
Cryptophagus sp. A                           2    3      5 rd
Lathridius minutus group                     2    3      5 rd
Conomelus anceps (Germar)                    1    1     10 oa p
Clivina sp.                                  1    1     10 oa
Bembidion sp.                                1    1     10 oa
Pterostichus sp.                             1    1     10 ob
?Harpalus sp.                                1    1     10 oa
Carabidae sp. A                              1    1     10 ob
Carabidae sp. B                              1    1     10 ob
Helophorus aquaticus or grandis              1    1     10 oa w
Sphaeridium ?bipustulatum Fabricius          1    1     10 rf
Cercyon haemorrhoidalis (Fabricius)          1    1     10 rf
Cryptopleurum minutum (Fabricius)            1    1     10 rf
Acrotrichis sp.                              1    1     10 rt
Carpelimus ?bilineatus Stephens              1    1     10 rt
Carpelimus ?fuliginosus (Gravenhorst)        1    1     10 u
Carpelimus pusillus group                    1    1     10 u
Anotylus rugosus (Fabricius)                 1    1     10 rt
Oxytelus sculptus Gravenhorst                1    1     10 rt
Stenus sp. A                                 1    1     10 u
Stenus sp. B                                 1    1     10 u
Lathrobium sp.                               1    1     10 u
Lithocharis ochracea (Gravenhorst)           1    1     10 rt
Neobisnius sp.                               1    1     10 u
Philonthus sp. A                             1    1     10 u
Philonthus sp. B                             1    1     10 u
Philonthus sp. C                             1    1     10 u
Cilea silphoides (Linnaeus)                  1    1     10 rt
```

```
Falagria sp.                                    1    1    10   rt
Aleocharinae sp. A                              1    1    10   u
Aleocharinae sp. B                              1    1    10   u
Aleocharinae sp. C                              1    1    10   u
Trichonyx sulcicollis (Reichenbach)             1    1    10   u
Aphodius sp. A                                  1    1    10   ob rf
Aphodius sp. B                                  1    1    10   ob rf
Phyllopertha horticola (Linnaeus)               1    1    10   oa p
Anobium punctatum (Degeer)                      1    1    10   l
Ptinidae sp.                                    1    1    10   rd
Brachypterus sp.                                1    1    10   oa p
Nitidulidae sp.                                 1    1    10   u
Rhizophagus sp.                                 1    1    10   u
Cryptophagus sp. B                              1    1    10   rd
Corticaria sp.                                  1    1    10   rt
Typhaea stercorea (Linnaeus)                    1    1    10   rd
Palorus ratzeburgi (Wissman)                    1    1    10   g
Bruchinae sp.                                   1    1    10   u
Sitophilus granarius (Linnaeus)                 1    1    10   g
Coleoptera sp. A                                1    1    10   u
Coleoptera sp. B                                1    1    10   u
```

Site: RB89 Context: 686 Sample: 4767/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                      N =      12
Number of taxa                                          S =      12
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                      SOA =       2
Percentage of 'certain' outdoor taxa                 %SOA =      17
Number of 'certain' outdoor individuals               NOA =       2
Percentage of 'certain' outdoor individuals          %NOA =      17
Number of 'certain' and probable outdoor taxa         SOB =       5
Percentage of 'certain' and probable outdoor taxa    %SOB =      42
Number of 'certain' and probable outdoor individuals  NOB =       5
Percentage 'certain' and probable outdoor individuals %NOB =      42
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 =       2
Percentage of strongly plant-associated taxa          %SP =      17
Number of strongly plant-associated individuals        NP =       2
Percentage of strongly plant-associated individuals   %NP =      17
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 =       6
Percentage of decomposer taxa                        %SRT =      50
```

```
Number of decomposer individuals                        NRT =      6
Percentage of decomposer individuals                   %NRT =     50
Number of 'dry' decomposer taxa                         SRD =      1
Percentage of 'dry'decomposer taxa                     %SRD =      8
Number of 'dry' decomposer individuals                  NRD =      1
Percentage of 'dry'decomposer individuals              %NRD =      8
Number of 'foul' decomposer taxa                        SRF =      2
Percentage of 'foul' decomposer taxa                   %SRF =     17
Number of 'foul' decomposer individuals                 NRF =      2
Percentage of 'foul' decomposer individuals            %NRF =     17
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                     NG =      2
Percentage of individuals of grain pests                %NG =     17
Number of individuals of grain pests                     NG =      2
Number of uncoded taxa                                   SU =      1
Percentage of uncoded individuals                       PNU =      8
```

Site: RB89 Context: 686 Sample: 4767/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Auchenorhyncha sp.	1	8	1	oa p
Pterostichus sp.	1	8	1	ob
Megasternum obscurum (Marsham)	1	8	1	rt
Xylodromus ?concinnus (Marsham)	1	8	1	rt
Oxytelus sculptus Gravenhorst	1	8	1	rt
Aleochara sp.	1	8	1	u
Aphodius sp. A	1	8	1	ob rf
Aphodius sp. B	1	8	1	ob rf
Meligethes sp.	1	8	1	oa p
Cryptolestes ferrugineus (Stephens)	1	8	1	g
Oryzaephilus surinamensis (Linnaeus)	1	8	1	g
Cryptophagus sp.	1	8	1	rd

Site: RB89 Context: 690 Sample: 4772/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

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

Site: RB89 Context: 690 Sample: 4772/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cryptolestes ferrugineus (Stephens)	1	100	1	g

Site: RB89 Context: 90 Sample: 4785/T - beetle/bug main statistics

Erosion = 0 Fragmentation = 0; Weight = 1.000kg

```
Number of individuals estimated as                       N =      2
Number of taxa                                           S =      2
```

Site: RB89 Context: 90 Sample: 4785/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cryptolestes ferrugineus (Stephens)	1	50	1	g
Sitophilus granarius (Linnaeus)	1	50	1	g

Site: RB89 Context: 205 Sample: 4787/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as	N =	77
Number of taxa	S =	46
Index of diversity (alpha)	alpha =	49
Standard error of alpha	SE alpha =	10
Number of 'certain' outdoor taxa	SOA =	7
Percentage of 'certain' outdoor taxa	%SOA =	15
Number of 'certain' outdoor individuals	NOA =	7
Percentage of 'certain' outdoor individuals	%NOA =	9
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 =	12
Percentage 'certain' and probable outdoor individuals	%NOB =	16
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 =	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 =	4
Percentage of strongly plant-associated taxa	%SP =	9
Number of strongly plant-associated individuals	NP =	4
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 =	1
Percentage of wood-associated individuals	%NL =	1
Number of decomposer taxa	SRT =	26
Percentage of decomposer taxa	%SRT =	57
Number of decomposer individuals	NRT =	47
Percentage of decomposer individuals	%NRT =	61
Number of 'dry' decomposer taxa	SRD =	6
Percentage of 'dry' decomposer taxa	%SRD =	13
Number of 'dry' decomposer individuals	NRD =	15
Percentage of 'dry' decomposer individuals	%NRD =	19
Number of 'foul' decomposer taxa	SRF =	6
Percentage of 'foul' decomposer taxa	%SRF =	13
Number of 'foul' decomposer individuals	NRF =	9
Percentage of 'foul' decomposer individuals	%NRF =	12
Index of diversity of decomposer component	alpha RT =	24
Standard error	SE alpha RT =	6
Number of individuals of grain pests	NG =	10

```
Percentage of individuals of grain pests                 %NG =     13
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests                     NG =      10
Number of uncoded taxa                                   SU =       7
Percentage of uncoded individuals                        PNU =     13
```

**Site: RB89 Context: 205 Sample: 4787/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 3 Fragmentation = 3; Weight = 1.000kg


Number of individuals estimated as                      N =       67
Number of taxa                                          S =       43
Index of diversity (alpha)                          alpha =       51
Standard error of alpha                          SE alpha =       12
Number of 'certain' outdoor taxa                      SOA =        7
Percentage of 'certain' outdoor taxa                 %SOA =       16
Number of 'certain' outdoor individuals               NOA =        7
Percentage of 'certain' outdoor individuals          %NOA =       10
Number of 'certain' and probable outdoor taxa         SOB =       11
Percentage of 'certain' and probable outdoor taxa    %SOB =       26
Number of 'certain' and probable outdoor individuals  NOB =       12
Percentage 'certain' and probable outdoor individuals %NOB =      18
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 =        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 =        4
Percentage of strongly plant-associated taxa          %SP =        9
Number of strongly plant-associated individuals        NP =        4
Percentage of strongly plant-associated individuals   %NP =        6
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 =       26
Percentage of decomposer taxa                        %SRT =       60
Number of decomposer individuals                      NRT =       47
Percentage of decomposer individuals                 %NRT =       70
Number of 'dry' decomposer taxa                       SRD =        6
Percentage of 'dry'decomposer taxa                   %SRD =       14
Number of 'dry' decomposer individuals                NRD =       15
Percentage of 'dry'decomposer individuals            %NRD =       22
Number of 'foul' decomposer taxa                      SRF =        6
Percentage of 'foul' decomposer taxa                 %SRF =       14
Number of 'foul' decomposer individuals               NRF =        9
Percentage of 'foul' decomposer individuals          %NRF =       13
Index of diversity of decomposer component       alpha RT =       24
Standard error                                SE alpha RT =        6
Number of individuals of grain pests                   NG =       10
```

```
Number of uncoded taxa                                    SU  =      7
Percentage of uncoded individuals                         PNU =     15
```

Site: RB89 Context: 205 Sample: 4787/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Anotylus tetracarinatus (Block)	5	6	1	rt
Lathridius minutus group	5	6	1	rd
Cercyon analis (Paykull)	4	5	3	rt
Cryptolestes ferrugineus (Stephens)	4	5	3	g
Aleocharinae sp. B	3	4	5	u
Oryzaephilus surinamensis (Linnaeus)	3	4	5	g
Cryptophagus sp.	3	4	5	rd
Sitophilus granarius (Linnaeus)	3	4	5	g
Cercyon atricapillus (Marsham)	2	3	9	rf
Cercyon haemorrhoidalis (Fabricius)	2	3	9	rf
Carpelimus sp.	2	3	9	u
Anotylus rugosus (Fabricius)	2	3	9	rt
Falagria caesa Erichson	2	3	9	rt
Aphodius sp. B	2	3	9	ob rf
Ptinus ?fur (Linnaeus)	2	3	9	rd
Atomaria sp.	2	3	9	rd
Typhaea stercorea (Linnaeus)	2	3	9	rd
Lyctocoris campestris (Fabricius)	1	1	18	rd
Corixidae sp.	1	1	18	oa w
Auchenorhyncha sp.	1	1	18	oa p
Pterostichus sp.	1	1	18	ob
Carabidae sp.	1	1	18	ob
Helophorus aequalis (Thomson)	1	1	18	oa w
Helophorus sp.	1	1	18	oa w
Megasternum obscurum (Marsham)	1	1	18	rt
Cryptopleurum minutum (Fabricius)	1	1	18	rf
Acrotrichis sp.	1	1	18	rt
Ptiliidae sp.	1	1	18	u
Megarthrus sp.	1	1	18	rt
Platystethus arenarius (Fourcroy)	1	1	18	rf
Oxytelus sculptus Gravenhorst	1	1	18	rt
Leptacinus pusillus (Stephens)	1	1	18	rt
Gyrohypnus fracticornis (Muller)	1	1	18	rt
Cordalia obscura (Gravenhorst)	1	1	18	rt
Falagria sp.	1	1	18	rt
Aleocharinae sp. A	1	1	18	u
Aleocharinae sp. C	1	1	18	u
Euplectini sp.	1	1	18	u
Aphodius sp. A	1	1	18	ob rf
Phyllopertha horticola (Linnaeus)	1	1	18	oa p
Anobium punctatum (Degeer)	1	1	18	l
Monotoma sp.	1	1	18	rt
Corticaria sp.	1	1	18	rt
Apion sp.	1	1	18	oa p
Sitona sp.	1	1	18	oa p
Cossoninae sp.	1	1	18	u

Site: RB89 Context: 710 Sample: 4794/T - beetle/bug main statistics

Erosion = 4 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                      N =      43
Number of taxa                                          S =      37
Index of diversity (alpha)                          alpha =     124
Standard error of alpha                          SE alpha =      53
Number of 'certain' outdoor taxa                      SOA =       6
Percentage of 'certain' outdoor taxa                 %SOA =      16
Number of 'certain' outdoor individuals               NOA =       6
Percentage of 'certain' outdoor individuals          %NOA =      14
Number of 'certain' and probable outdoor taxa         SOB =       9
Percentage of 'certain' and probable outdoor taxa    %SOB =      24
Number of 'certain' and probable outdoor individuals  NOB =      10
Percentage 'certain' and probable outdoor individuals %NOB =     23
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                 SW =       2
Percentage of aquatic taxa                            %SW =       5
Number of aquatic individuals                          NW =       2
Percentage of aquatic individuals                     %NW =       5
Number of damp ground/waterside taxa                   SD =       1
Percentage of damp ground/waterside taxa              %SD =       3
Number of damp ground/waterside individuals            ND =       2
Percentage of damp ground/waterside individuals       %ND =       5
Number of strongly plant-associated taxa               SP =       3
Percentage of strongly plant-associated taxa          %SP =       8
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 =       1
Number of wood-associated individuals                  NL =       1
Percentage of wood-associated individuals             %NL =       2
Number of decomposer taxa                             SRT =      21
Percentage of decomposer taxa                        %SRT =      57
Number of decomposer individuals                      NRT =      25
Percentage of decomposer individuals                 %NRT =      58
Number of 'dry' decomposer taxa                       SRD =       1
Percentage of 'dry'decomposer taxa                   %SRD =       3
Number of 'dry' decomposer individuals                NRD =       1
Percentage of 'dry'decomposer individuals            %NRD =       2
Number of 'foul' decomposer taxa                      SRF =       5
Percentage of 'foul' decomposer taxa                 %SRF =      14
Number of 'foul' decomposer individuals               NRF =       6
Percentage of 'foul' decomposer individuals          %NRF =      14
Index of diversity of decomposer component       alpha RT =      60
Standard error                                SE alpha RT =      31
Number of individuals of grain pests                   NG =       5
Percentage of individuals of grain pests              %NG =      12
Number of individuals of grain pests                   NG =       5
Number of uncoded taxa                                 SU =       5
Percentage of uncoded individuals                     PNU =      12
```

Site: RB89 Context: 710 Sample: 4794/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Cryptolestes ferrugineus (Stephens)	3	7	1	g

```
Carpelimus ?bilineatus Stephens               2    5    2  rt
Anotylus nitidulus (Gravenhorst)              2    5    2  rt d
Anotylus rugosus (Fabricius)                  2    5    2  rt
Aphodius sp. A                                2    5    2  ob rf
Aneurus sp.                                   1    2    6  l
Anthocorini sp.                               1    2    6  oa p
Heteroptera sp.                               1    2    6  u
Conomelus anceps (Germar)                     1    2    6  oa p
Trechus obtusus or quadristriatus             1    2    6  oa
Carabidae sp.                                 1    2    6  ob
Helophorus aquaticus or grandis               1    2    6  oa w
Helophorus sp.                                1    2    6  oa w
Cercyon ?analis (Paykull)                     1    2    6  rt
Cercyon terminatus (Marsham)                  1    2    6  rf
Cercyon sp.                                   1    2    6  u
Megasternum obscurum (Marsham)                1    2    6  rt
Cryptopleurum minutum (Fabricius)             1    2    6  rf
Acritus nigricornis (Hoffmann)                1    2    6  rt
Xylodromus ?concinnus (Marsham)               1    2    6  rt
Platystethus arenarius (Fourcroy)             1    2    6  rf
Leptacinus sp.                                1    2    6  rt
Gyrohypnus fracticornis (Muller)              1    2    6  rt
Xantholinus gallicus or linearis              1    2    6  rt
Neobisnius sp.                                1    2    6  u
Staphylininae sp. A                           1    2    6  u
Staphylininae sp. B                           1    2    6  u
Falagria caesa or sulcatula                   1    2    6  rt
Aphodius sp. B                                1    2    6  ob rf
Simplocaria ?semistriata (Fabricius)          1    2    6  oa p
Rhizophagus parallelocollis Gyllenhal         1    2    6  rt
Monotoma sp.                                  1    2    6  rt
Oryzaephilus surinamensis (Linnaeus)          1    2    6  g
Enicmus sp.                                   1    2    6  rt
Corticaria sp.                                1    2    6  rt
?Typhaea stercorea (Linnaeus)                 1    2    6  rd
Sitophilus granarius (Linnaeus)               1    2    6  g
```

Site: RB89 Context: 774 Sample: 4811/T - beetle/bug main statistics

Erosion = 4 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                       N =      45
Number of taxa                                           S =      26
Index of diversity (alpha)                           alpha =      26
Standard error of alpha                           SE alpha =       7
Number of 'certain' outdoor taxa                       SOA =       4
Percentage of 'certain' outdoor taxa                  %SOA =      15
Number of 'certain' outdoor individuals                NOA =       6
Percentage of 'certain' outdoor individuals           %NOA =      13
Number of 'certain' and probable outdoor taxa          SOB =       6
Percentage of 'certain' and probable outdoor taxa     %SOB =      23
Number of 'certain' and probable outdoor individuals   NOB =      10
Percentage 'certain' and probable outdoor individuals %NOB =      22
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                  SW =       1
Percentage of aquatic taxa                             %SW =       4
Number of aquatic individuals                           NW =       2
```

```
Percentage of aquatic individuals                    %NW =      4
Number of damp ground/waterside taxa                  SD =      2
Percentage of damp ground/waterside taxa             %SD =      8
Number of damp ground/waterside individuals           ND =      3
Percentage of damp ground/waterside individuals      %ND =      7
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 =      0
Number of wood-associated individuals                 NL =      0
Percentage of wood-associated individuals            %NL =      0
Number of decomposer taxa                            SRT =      9
Percentage of decomposer taxa                       %SRT =     35
Number of decomposer individuals                     NRT =     14
Percentage of decomposer individuals                %NRT =     31
Number of 'dry' decomposer taxa                      SRD =      2
Percentage of 'dry'decomposer taxa                  %SRD =      8
Number of 'dry' decomposer individuals               NRD =      5
Percentage of 'dry'decomposer individuals           %NRD =     11
Number of 'foul' decomposer taxa                     SRF =      1
Percentage of 'foul' decomposer taxa                %SRF =      4
Number of 'foul' decomposer individuals              NRF =      3
Percentage of 'foul' decomposer individuals         %NRF =      7
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                  NG =     14
Percentage of individuals of grain pests             %NG =     31
Number of individuals of grain pests                  NG =     14
Number of uncoded taxa                                SU =      8
Percentage of uncoded individuals                    PNU =     22
```

Site: RB89 Context: 774 Sample: 4811/T - species list in rank order

```
Taxon                                     Number    %   Rank Ecodes

Oryzaephilus surinamensis (Linnaeus)          6   13      1  g
Cryptolestes ferrugineus (Stephens)           5   11      2  g
Aphodius prodromus (Brahm)                    3    7      3  ob rf
Lathridius minutus group                      3    7      3  rd
Helophorus sp.                                2    4      5  oa w
Cercyon sp. A                                 2    4      5  u
Platystethus nitens (Sahlberg)                2    4      5  oa d
Neobisnius villosulus (Stephens)              2    4      5  u
Cryptophagus sp.                              2    4      5  rd
Sitophilus granarius (Linnaeus)               2    4      5  g
Trechus obtusus or quadristriatus             1    2     11  oa
Cercyon sp. B                                 1    2     11  u
Megasternum obscurum (Marsham)                1    2     11  rt
Catops sp.                                    1    2     11  u
Omalium sp.                                   1    2     11  rt
Carpelimus ?bilineatus Stephens               1    2     11  rt
Anotylus nitidulus (Gravenhorst)              1    2     11  rt d
Oxytelus sculptus Gravenhorst                 1    2     11  rt
Gyrohypnus sp.                                1    2     11  rt
```

```
Staphylininae sp. A                                    1    2    11   u
Staphylininae sp. B                                    1    2    11   u
Aleocharinae sp. A                                     1    2    11   u
Aleocharinae sp. B                                     1    2    11   u
Elateridae sp.                                         1    2    11   ob
Palorus ratzeburgi (Wissman)                           1    2    11   g
Curculionidae sp.                                      1    2    11   oa
```

Site: RB89 Context: 727 Sample: 4813/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                     N =      49
Number of taxa                                         S =      36
Index of diversity (alpha)                         alpha =      61
Standard error of alpha                         SE alpha =      19
Number of 'certain' outdoor taxa                     SOA =       8
Percentage of 'certain' outdoor taxa                %SOA =      22
Number of 'certain' outdoor individuals              NOA =       8
Percentage of 'certain' outdoor individuals         %NOA =      16
Number of 'certain' and probable outdoor taxa        SOB =      10
Percentage of 'certain' and probable outdoor taxa   %SOB =      28
Number of 'certain' and probable outdoor individuals NOB =      11
Percentage 'certain' and probable outdoor individuals %NOB =    22
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 =       6
Number of damp ground/waterside individuals           ND =       2
Percentage of damp ground/waterside individuals      %ND =       4
Number of strongly plant-associated taxa              SP =       4
Percentage of strongly plant-associated taxa         %SP =      11
Number of strongly plant-associated individuals       NP =       4
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 =       1
Number of wood-associated individuals                 NL =       1
Percentage of wood-associated individuals            %NL =       2
Number of decomposer taxa                            SRT =      16
Percentage of decomposer taxa                       %SRT =      44
Number of decomposer individuals                     NRT =      24
Percentage of decomposer individuals                %NRT =      49
Number of 'dry' decomposer taxa                      SRD =       3
Percentage of 'dry'decomposer taxa                  %SRD =       8
Number of 'dry' decomposer individuals               NRD =       8
Percentage of 'dry'decomposer individuals           %NRD =      16
Number of 'foul' decomposer taxa                     SRF =       3
Percentage of 'foul' decomposer taxa                %SRF =       8
Number of 'foul' decomposer individuals              NRF =       4
Percentage of 'foul' decomposer individuals         %NRF =       8
Index of diversity of decomposer component       alpha RT =     21
Standard error                                SE alpha RT =      9
```

```
Number of individuals of grain pests                    NG =        9
Percentage of individuals of grain pests                %NG =      18
Number of individuals of grain pests                    NG =        9
Number of uncoded taxa                                  SU =        6
Percentage of uncoded individuals                       PNU =      12
```

Site: RB89 Context: 727 Sample: 4813/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Oryzaephilus surinamensis (Linnaeus)	4	8	1	g
Cryptolestes ferrugineus (Stephens)	3	6	2	g
Cryptophagus sp.	3	6	2	rd
Lathridius minutus group	3	6	2	rd
Carpelimus ?bilineatus Stephens	2	4	5	rt
Oxytelus sculptus Gravenhorst	2	4	5	rt
Aphodius sp.	2	4	5	ob rf
Atomaria sp.	2	4	5	rd
Auchenorhyncha sp.	1	2	9	oa p
Dyschirius sp.	1	2	9	oa
Bembidion sp.	1	2	9	oa
Carabidae sp.	1	2	9	ob
Helophorus sp.	1	2	9	oa w
Cercyon haemorrhoidalis (Fabricius)	1	2	9	rf
Cercyon sp.	1	2	9	u
Megasternum obscurum (Marsham)	1	2	9	rt
Acritus nigricornis (Hoffmann)	1	2	9	rt
Histerinae sp.	1	2	9	u
Micropeplus fulvus Erichson	1	2	9	rt
Xylodromus concinnus (Marsham)	1	2	9	rt
Platystethus arenarius (Fourcroy)	1	2	9	rf
Stenus sp.	1	2	9	u
Leptacinus sp.	1	2	9	rt
?Neobisnius sp.	1	2	9	u
Staphylininae sp.	1	2	9	u
Falagria or Cordalia sp.	1	2	9	rt
Aleocharinae sp.	1	2	9	u
Dryops sp.	1	2	9	oa d
Grynobius planus (Fabricius)	1	2	9	l
Kateretes sp.	1	2	9	oa p d
Monotoma sp.	1	2	9	rt
Corticaria sp.	1	2	9	rt
Palorus ratzeburgi (Wissman)	1	2	9	g
Apion sp.	1	2	9	oa p
Sitophilus granarius (Linnaeus)	1	2	9	g
Gymnetron labile (Herbst)	1	2	9	oa p

Site: RB89; Context: 715; Sample: 4861/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 746 Sample: 4865/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 1; Weight = 1.000kg

```
Number of individuals estimated as                        N =    143
Number of taxa                                            S =     62
Index of diversity (alpha)                            alpha =     42
Standard error of alpha                            SE alpha =      6
Number of 'certain' outdoor taxa                        SOA =     13
Percentage of 'certain' outdoor taxa                   %SOA =     21
Number of 'certain' outdoor individuals                 NOA =     14
Percentage of 'certain' outdoor individuals            %NOA =     10
Number of 'certain' and probable outdoor taxa           SOB =     16
Percentage of 'certain' and probable outdoor taxa      %SOB =     26
Number of 'certain' and probable outdoor individuals    NOB =     17
Percentage 'certain' and probable outdoor individuals  %NOB =     12
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 =     11
Percentage of strongly plant-associated taxa            %SP =     18
Number of strongly plant-associated individuals          NP =     12
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 =      0
Number of wood-associated individuals                    NL =      0
Percentage of wood-associated individuals               %NL =      0
Number of decomposer taxa                               SRT =     28
Percentage of decomposer taxa                          %SRT =     45
Number of decomposer individuals                        NRT =     91
Percentage of decomposer individuals                   %NRT =     64
Number of 'dry' decomposer taxa                         SRD =      7
Percentage of 'dry'decomposer taxa                     %SRD =     11
Number of 'dry' decomposer individuals                  NRD =     11
Percentage of 'dry'decomposer individuals              %NRD =      8
Number of 'foul' decomposer taxa                        SRF =      5
Percentage of 'foul' decomposer taxa                   %SRF =      8
Number of 'foul' decomposer individuals                 NRF =     25
Percentage of 'foul' decomposer individuals            %NRF =     17
Index of diversity of decomposer component         alpha RT =     14
Standard error                                  SE alpha RT =      2
Number of individuals of grain pests                     NG =     11
Percentage of individuals of grain pests                %NG =      8
Number of individuals of grain pests                     NG =     11
Number of uncoded taxa                                   SU =     16
Percentage of uncoded individuals                       PNU =     18
```

Site: RB89 Context: 746 Sample: 4865/T - 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
```

Cercyon atricapillus (Marsham)	20	14	1	rf
Acrotrichis sp.	18	13	2	rt
Megasternum obscurum (Marsham)	7	5	3	rt
Philonthus sp. B	7	5	3	u
Oryzaephilus surinamensis (Linnaeus)*	6	4	5	g
Cercyon analis (Paykull)	5	3	6	rt
Oxytelus sculptus Gravenhorst	4	3	7	rt
Lathridius minutus group	4	3	7	rd
Anthicus formicarius (Goeze)	4	3	7	rt
Leptacinus pusillus (Stephens)	3	2	10	rt
Philonthus sp. C	3	2	10	u
Monotoma picipes Herbst	3	2	10	rt
Cryptolestes ferrugineus (Stephens)	3	2	10	g
Platystethus arenarius (Fourcroy)	2	1	14	rf
Crataraea suturalis (Mannerheim)	2	1	14	rt
Aleocharinae sp. C	2	1	14	u
Pselaphidae sp. B	2	1	14	u
Cryptophagus sp. A	2	1	14	rd
Aglenus brunneus (Gyllenhal)	2	1	14	rt
Apion sp.	2	1	14	oa p
Lygaeidae sp.	1	1	21	oa p
Saldula sp.	1	1	21	oa d
Megophthalmus ?scabripennis Edwards	1	1	21	oa p
Cicadella viridis (Linnaeus)	1	1	21	oa p
Auchenorhyncha sp. A	1	1	21	oa p
Auchenorhyncha sp. B	1	1	21	oa p
Auchenorhyncha sp. C	1	1	21	oa p
Auchenorhyncha sp. D	1	1	21	oa p
Carabidae sp.	1	1	21	ob
Cercyon ?haemorrhoidalis (Fabricius)	1	1	21	rf
Acritus nigricornis (Hoffmann)	1	1	21	rt
Ptenidium sp.	1	1	21	rt
Carpelimus ?bilineatus Stephens	1	1	21	rt
Stenus sp. A	1	1	21	u
Stenus sp. B	1	1	21	u
Gyrohypnus fracticornis (Muller)	1	1	21	rt
Philonthus sp. A	1	1	21	u
Philonthus sp. D	1	1	21	u
Philonthus sp. E	1	1	21	u
Tachyporus sp.	1	1	21	u
Tachinus sp.	1	1	21	u
Aleocharinae sp. A	1	1	21	u
Aleocharinae sp. B	1	1	21	u
Aleocharinae sp. D	1	1	21	u
Pselaphus heisei (Herbst)	1	1	21	u
Pselaphidae sp. A	1	1	21	u
Aphodius sp. A	1	1	21	ob rf
Aphodius sp. B	1	1	21	ob rf
Monotoma longicollis (Gyllenhall)	1	1	21	rt
Cryptophagus sp. B	1	1	21	rd
Atomaria nigripennis (Kugelann)	1	1	21	rd
Atomaria sp.	1	1	21	rd
?Ephistemus globulus (Paykull)	1	1	21	rd
Corticaria sp.	1	1	21	rt
Typhaea stercorea (Linnaeus)	1	1	21	rd
Palorus ratzeburgi (Wissman)	1	1	21	g
?Tenebrio sp.	1	1	21	rt

```
Halticinae sp.                                        1    1   21  oa p
Barynotus sp.                                         1    1   21  oa p
Sitona hispidulus (Fabricius)                         1    1   21  oa p
Sitophilus granarius (Linnaeus)                       1    1   21  g
Curculionidae sp.                                     1    1   21  oa
```

Site: RB89; Context: 357; Sample: 4875/T

NO RECORDS OF BEETLES OR BUGS

Site: RB89 Context: 405 Sample: 4888/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 3; Weight = 1.000kg

```
Number of individuals estimated as                  N =      57
Number of taxa                                      S =      45
Index of diversity (alpha)                      alpha =      98
Standard error of alpha                      SE alpha =      31
Number of 'certain' outdoor taxa                  SOA =      16
Percentage of 'certain' outdoor taxa             %SOA =      36
Number of 'certain' outdoor individuals           NOA =      17
Percentage of 'certain' outdoor individuals      %NOA =      30
Number of 'certain' and probable outdoor taxa     SOB =      20
Percentage of 'certain' and probable outdoor taxa %SOB =      44
Number of 'certain' and probable outdoor individuals NOB =   21
Percentage 'certain' and probable outdoor individuals %NOB = 37
Index of diversity of outdoor component      alpha OB =     187
Standard error                            SE alpha OB =     167
Number of aquatic taxa                             SW =       4
Percentage of aquatic taxa                        %SW =       9
Number of aquatic individuals                      NW =       5
Percentage of aquatic individuals                 %NW =       9
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 =       2
Number of strongly plant-associated taxa           SP =       9
Percentage of strongly plant-associated taxa      %SP =      20
Number of strongly plant-associated individuals    NP =       9
Percentage of strongly plant-associated individuals %NP =     16
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 =      16
Percentage of decomposer taxa                    %SRT =      36
Number of decomposer individuals                  NRT =      21
Percentage of decomposer individuals             %NRT =      37
Number of 'dry' decomposer taxa                   SRD =       4
Percentage of 'dry'decomposer taxa               %SRD =       9
Number of 'dry' decomposer individuals            NRD =       7
Percentage of 'dry'decomposer individuals        %NRD =      12
Number of 'foul' decomposer taxa                  SRF =       3
```

```
Percentage of 'foul' decomposer taxa              %SRF =      7
Number of 'foul' decomposer individuals           NRF =       4
Percentage of 'foul' decomposer individuals       %NRF =      7
Index of diversity of decomposer component    alpha RT =     32
Standard error                             SE alpha RT =     16
Number of individuals of grain pests              NG =        7
Percentage of individuals of grain pests          %NG =      12
NB - over 10% grain pests and n > 50: for corrected re-run see over.
Number of individuals of grain pests              NG =        7
Number of uncoded taxa                            SU =        6
Percentage of uncoded individuals                 PNU =      14
```


**Site: RB89 Context: 405 Sample: 4888/T - beetle/bug main statistics
re-run after subtraction of grain pest component**

```
Erosion = 2 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as                  N =       50
Number of taxa                                      S =       42
Index of diversity (alpha)                      alpha =      122
Standard error of alpha                      SE alpha =       46
Number of 'certain' outdoor taxa                  SOA =       16
Percentage of 'certain' outdoor taxa             %SOA =       38
Number of 'certain' outdoor individuals           NOA =       17
Percentage of 'certain' outdoor individuals      %NOA =       34
Number of 'certain' and probable outdoor taxa     SOB =       20
Percentage of 'certain' and probable outdoor taxa %SOB =      48
Number of 'certain' and probable outdoor individuals NOB =    21
Percentage 'certain' and probable outdoor individuals %NOB =  42
Index of diversity of outdoor component      alpha OB =      187
Standard error                            SE alpha OB =      167
Number of aquatic taxa                             SW =        4
Percentage of aquatic taxa                        %SW =       10
Number of aquatic individuals                      NW =        5
Percentage of aquatic individuals                 %NW =       10
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 =        2
Number of strongly plant-associated taxa           SP =        9
Percentage of strongly plant-associated taxa      %SP =       21
Number of strongly plant-associated individuals    NP =        9
Percentage of strongly plant-associated individuals %NP =      18
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 =       16
Percentage of decomposer taxa                    %SRT =       38
Number of decomposer individuals                  NRT =       21
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 =        7
Percentage of 'dry'decomposer individuals        %NRD =       14
```

```
Number of 'foul' decomposer taxa                      SRF =      3
Percentage of 'foul' decomposer taxa                 %SRF =      7
Number of 'foul' decomposer individuals               NRF =      4
Percentage of 'foul' decomposer individuals          %NRF =      8
Index of diversity of decomposer component       alpha RT =     32
Standard error                                SE alpha RT =     16
Number of individuals of grain pests                   NG =      7
Number of uncoded taxa                                 SU =      6
Percentage of uncoded individuals                     PNU =     16
```

Site: RB89 Context: 405 Sample: 4888/T - species list in rank order

```
Taxon                                      Number    %   Rank Ecodes


Oryzaephilus surinamensis (Linnaeus)          3      5      1 g
Cryptophagus sp.                              3      5      1 rd
Helophorus sp. A                              2      4      3 oa w
Cercyon haemorrhoidalis (Fabricius)           2      4      3 rf
Philonthus sp.                                2      4      3 u
Cordalia obscura (Gravenhorst)                2      4      3 rt
Aleocharinae sp. B                            2      4      3 u
Cryptolestes ferrugineus (Stephens)           2      4      3 g
Typhaea stercorea (Linnaeus)                  2      4      3 rd
Sitophilus granarius (Linnaeus)               2      4      3 g
Corixidae sp.                                 1      2     11 oa w
Heteroptera sp.                               1      2     11 u
Conomelus anceps (Germar)                     1      2     11 oa p
Auchenorhyncha sp. A                          1      2     11 oa p
Auchenorhyncha sp. B                          1      2     11 oa p
Dyschirius sp.                                1      2     11 oa
Trechus quadristriatus (Schrank)              1      2     11 oa
Pterostichus sp.                              1      2     11 ob
?Calathus sp.                                 1      2     11 oa
Hydroporinae sp.                              1      2     11 oa w
Helophorus sp. B                              1      2     11 oa w
Cercyon ?analis (Paykull)                     1      2     11 rt
Cercyon unipunctatus (Linnaeus)               1      2     11 rf
Omalium sp.                                   1      2     11 rt
Xylodromus concinnus (Marsham)                1      2     11 rt
Anotylus nitidulus (Gravenhorst)              1      2     11 rt d
Anotylus tetracarinatus (Block)               1      2     11 rt
Leptacinus sp.                                1      2     11 rt
Xantholinus sp.                               1      2     11 u
Staphylininae sp.                             1      2     11 u
Aleocharinae sp. A                            1      2     11 u
Aphodius sp.                                  1      2     11 ob rf
Phyllopertha horticola (Linnaeus)             1      2     11 oa p
Elateridae sp.                                1      2     11 ob
Cantharis rustica Fallen                      1      2     11 ob
Omosita sp.                                   1      2     11 rt
Atomaria sp. A                                1      2     11 rd
Atomaria sp. B                                1      2     11 rd
Corticaria sp.                                1      2     11 rt
Cis sp.                                       1      2     11 l
?Phaedon sp.                                  1      2     11 oa p
Longitarsus sp.                               1      2     11 oa p
Apion sp.                                     1      2     11 oa p
```

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Sitona sp.                                               1    2   11  oa p
Rhinoncus castor (Fabricius)                             1    2   11  oa p
```

Site: RB89 Context: 800 Sample: 4892/T - beetle/bug main statistics

Erosion = 2 Fragmentation = 2; Weight = 1.000kg

```
Number of individuals estimated as                       N =      28
Number of taxa                                           S =      21
Index of diversity (alpha)                           alpha =      39
Standard error of alpha                           SE alpha =      17
Number of 'certain' outdoor taxa                       SOA =       6
Percentage of 'certain' outdoor taxa                  %SOA =      29
Number of 'certain' outdoor individuals                NOA =       8
Percentage of 'certain' outdoor individuals           %NOA =      29
Number of 'certain' and probable outdoor taxa          SOB =       8
Percentage of 'certain' and probable outdoor taxa     %SOB =      38
Number of 'certain' and probable outdoor individuals   NOB =      10
Percentage 'certain' and probable outdoor individuals %NOB =      36
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                                  SW =       1
Percentage of aquatic taxa                             %SW =       5
Number of aquatic individuals                           NW =       1
Percentage of aquatic individuals                      %NW =       4
Number of damp ground/waterside taxa                    SD =       1
Percentage of damp ground/waterside taxa               %SD =       5
Number of damp ground/waterside individuals             ND =       2
Percentage of damp ground/waterside individuals        %ND =       7
Number of strongly plant-associated taxa                SP =       4
Percentage of strongly plant-associated taxa           %SP =      19
Number of strongly plant-associated individuals         NP =       6
Percentage of strongly plant-associated individuals    %NP =      21
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 =      11
Percentage of decomposer taxa                         %SRT =      52
Number of decomposer individuals                       NRT =      14
Percentage of decomposer individuals                  %NRT =      50
Number of 'dry' decomposer taxa                        SRD =       2
Percentage of 'dry'decomposer taxa                    %SRD =      10
Number of 'dry' decomposer individuals                 NRD =       3
Percentage of 'dry'decomposer individuals             %NRD =      11
Number of 'foul' decomposer taxa                       SRF =       3
Percentage of 'foul' decomposer taxa                  %SRF =      14
Number of 'foul' decomposer individuals                NRF =       3
Percentage of 'foul' decomposer individuals           %NRF =      11
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 =      18
```

Site: RB89 Context: 800 Sample: 4892/T - species list in rank order

Taxon	Number	%	Rank	Ecodes
Tachyporus ?hypnorum (Fabricius)	3	11	1	u
Onthophilus striatus (Forster)	2	7	2	rt
Anotylus nitidulus (Gravenhorst)	2	7	2	rt d
Atomaria sp.	2	7	2	rd
Longitarsus sp.	2	7	2	oa p
Phyllobius or Polydrusus sp.	2	7	2	oa p
Trechus obtusus or quadristriatus	1	4	7	oa
Carabidae sp.	1	4	7	ob
Helophorus sp.	1	4	7	oa w
Cercyon ?haemorrhoidalis (Fabricius)	1	4	7	rf
Carpelimus ?bilineatus Stephens	1	4	7	rt
Platystethus arenarius (Fourcroy)	1	4	7	rf
Anotylus rugosus (Fabricius)	1	4	7	rt
Gyrohypnus sp.	1	4	7	rt
Tachinus sp.	1	4	7	u
Aleocharinae sp.	1	4	7	u
Aphodius sp.	1	4	7	ob rf
Phyllopertha horticola (Linnaeus)	1	4	7	oa p
Monotoma longicollis (Gyllenhall)	1	4	7	rt
Lathridius minutus group	1	4	7	rd
Phyllotreta sp.	1	4	7	oa p

Site: RB89 Context: 812 Sample: 4900/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 3; Weight = 1.000kg

Number of individuals estimated as	N =	81	
Number of taxa	S =	63	
Index of diversity (alpha)	alpha =	129	
Standard error of alpha	SE alpha =	33	
Number of 'certain' outdoor taxa	SOA =	18	
Percentage of 'certain' outdoor taxa	%SOA =	29	
Number of 'certain' outdoor individuals	NOA =	19	
Percentage of 'certain' outdoor individuals	%NOA =	23	
Number of 'certain' and probable outdoor taxa	SOB =	21	
Percentage of 'certain' and probable outdoor taxa	%SOB =	33	
Number of 'certain' and probable outdoor individuals	NOB =	23	
Percentage 'certain' and probable outdoor individuals	%NOB =	28	
Index of diversity of outdoor component	alpha OB =	111	
Standard error	SE alpha OB =	76	
Number of aquatic taxa	SW =	2	
Percentage of aquatic taxa	%SW =	3	
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	
Number of damp ground/waterside individuals	ND =	1	
Percentage of damp ground/waterside individuals	%ND =	1	
Number of strongly plant-associated taxa	SP =	10	
Percentage of strongly plant-associated taxa	%SP =	16	
Number of strongly plant-associated individuals	NP =	11	
Percentage of strongly plant-associated individuals	%NP =	14	
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 =    29
Percentage of decomposer taxa                    %SRT =    46
Number of decomposer individuals                  NRT =    40
Percentage of decomposer individuals             %NRT =    49
Number of 'dry' decomposer taxa                   SRD =     5
Percentage of 'dry'decomposer taxa               %SRD =     8
Number of 'dry' decomposer individuals            NRD =     7
Percentage of 'dry'decomposer individuals        %NRD =     9
Number of 'foul' decomposer taxa                  SRF =     6
Percentage of 'foul' decomposer taxa             %SRF =    10
Number of 'foul' decomposer individuals           NRF =    10
Percentage of 'foul' decomposer individuals      %NRF =    12
Index of diversity of decomposer component    alpha RT =    48
Standard error                             SE alpha RT =    17
Number of individuals of grain pests              NG =      7
Percentage of individuals of grain pests         %NG =      9
Number of individuals of grain pests              NG =      7
Number of uncoded taxa                            SU =     13
Percentage of uncoded individuals                PNU =     17
```

Site: RB89 Context: 812 Sample: 4900/T - species list in rank order

```
Taxon                                    Number     %   Rank Ecodes
Cercyon haemorrhoidalis (Fabricius)         4     5     1   rf
Cryptolestes ferrugineus (Stephens)         4     5     1   g
Lathridius minutus group                    3     4     3   rd
Aglenus brunneus (Gyllenhal)                3     4     3   rt
Sitophilus granarius (Linnaeus)             3     4     3   g
Philonthus sp.                              2     2     6   u
Falagria ?caesa Erichson                    2     2     6   rt
Aphodius sp. A                              2     2     6   ob rf
Corticaria sp.                              2     2     6   rt
Anthicus floralis or formicarius            2     2     6   rt
Apion sp.                                   2     2     6   oa p
Pentatomidae sp.                            1     1    12   oa p
Anthocorini sp.                             1     1    12   oa p
Auchenorhyncha sp.                          1     1    12   oa p
Carabus nemoralis Muller                    1     1    12   oa
Dyschirius ?globosus (Herbst)               1     1    12   oa
Trechus quadristriatus (Schrank)            1     1    12   oa
Bembidion lampros (Herbst)                  1     1    12   oa
Amara sp.                                   1     1    12   oa
Carabidae sp.                               1     1    12   ob
Helophorus sp. A                            1     1    12   oa w
Helophorus sp. B                            1     1    12   oa w
Cercyon analis (Paykull)                    1     1    12   rt
Cercyon atricapillus (Marsham)              1     1    12   rf
Cercyon sp.                                 1     1    12   u
Megasternum obscurum (Marsham)              1     1    12   rt
Onthophilus striatus (Forster)              1     1    12   rt
Catops sp.                                  1     1    12   u
Carpelimus ?bilineatus Stephens             1     1    12   rt
```

```
Platystethus arenarius (Fourcroy)              1    1    12   rf
Anotylus nitidulus (Gravenhorst)              1    1    12   rt d
Anotylus sculpturatus group                   1    1    12   rt
Anotylus tetracarinatus (Block)               1    1    12   rt
Stenus sp.                                    1    1    12   u
Lathrobium sp.                                1    1    12   u
Othius ?myrmecophilus Kiesenwetter            1    1    12   rt
Gyrohypnus ?angustatus Stephens               1    1    12   rt
Xantholinus sp.                               1    1    12   u
Cordalia obscura (Gravenhorst)                1    1    12   rt
Crataraea suturalis (Mannerheim)              1    1    12   rt
Aleocharinae sp. A                            1    1    12   u
Aleocharinae sp. B                            1    1    12   u
Aleocharinae sp. C                            1    1    12   u
Aleocharinae sp. D                            1    1    12   u
Aleocharinae sp. E                            1    1    12   u
Aphodius sp. B                                1    1    12   ob rf
Onthophagus sp.                               1    1    12   oa rf
Phyllopertha horticola (Linnaeus)             1    1    12   oa p
Dascillus cervinus (Linnaeus)                 1    1    12   oa p
Monotoma bicolor Villa                        1    1    12   rt
Monotoma ?picipes Herbst                      1    1    12   rt
Cryptophagus sp. A                            1    1    12   rd
Cryptophagus sp. B                            1    1    12   rd
Atomaria sp.                                  1    1    12   rd
Corticarina ?fuscula (Gyllenhal)              1    1    12   rt
Typhaea stercorea (Linnaeus)                  1    1    12   rd
Phyllotreta sp.                               1    1    12   oa p
Chaetocnema concinna (Marsham)                1    1    12   oa p
Sitona lepidus Gyllenhal                      1    1    12   oa p
Hypera nigrirostris (Fabricius)               1    1    12   oa p
Dryocoetinus villosus (Fabricius)             1    1    12   l
Coleoptera sp. B                              1    1    12   u
Coleoptera sp. C                              1    1    12   u
```

Site: RB89 Context: 810 Sample: 4902/T - beetle/bug main statistics

Erosion = 3 Fragmentation = 4; Weight = 1.000kg

```
Number of individuals estimated as                    N =      20
Number of taxa                                        S =      19
Index of diversity not calculated, n = s or n < 20
Number of 'certain' outdoor taxa                    SOA =       5
Percentage of 'certain' outdoor taxa               %SOA =      26
Number of 'certain' outdoor individuals             NOA =       6
Percentage of 'certain' outdoor individuals        %NOA =      30
Number of 'certain' and probable outdoor taxa       SOB =       8
Percentage of 'certain' and probable outdoor taxa  %SOB =      42
Number of 'certain' and probable outdoor individuals NOB =      9
Percentage 'certain' and probable outdoor individuals %NOB =   45
Diversity index for OB not calculated, NOB = SOB or NOB < 20
Number of aquatic taxa                               SW =       2
Percentage of aquatic taxa                          %SW =      11
Number of aquatic individuals                        NW =       3
Percentage of aquatic individuals                   %NW =      15
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 =      2
Percentage of strongly plant-associated taxa          %SP =     11
Number of strongly plant-associated individuals        NP =      2
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 =      0
Number of wood-associated individuals                  NL =      0
Percentage of wood-associated individuals             %NL =      0
Number of decomposer taxa                             SRT =      6
Percentage of decomposer taxa                        %SRT =     32
Number of decomposer individuals                      NRT =      6
Percentage of decomposer individuals                 %NRT =     30
Number of 'dry' decomposer taxa                       SRD =      4
Percentage of 'dry'decomposer taxa                   %SRD =     21
Number of 'dry' decomposer individuals                NRD =      4
Percentage of 'dry'decomposer individuals            %NRD =     20
Number of 'foul' decomposer taxa                      SRF =      1
Percentage of 'foul' decomposer taxa                 %SRF =      5
Number of 'foul' decomposer individuals               NRF =      1
Percentage of 'foul' decomposer individuals          %NRF =      5
Diversity index for RT not calculated, NRT = SRT or NRT < 20
Number of individuals of grain pests                   NG =      2
Percentage of individuals of grain pests              %NG =     10
Number of individuals of grain pests                   NG =      2
Number of uncoded taxa                                 SU =      4
Percentage of uncoded individuals                     PNU =     20
```

Site: RB89 Context: 810 Sample: 4902/T - species list in rank order

```
Taxon                                  Number    %    Rank Ecodes

Helophorus sp.                              2   10       1 oa w
Megophthalmus ?scabripennis Edwards         1    5       2 oa p
Trechus obtusus or quadristriatus           1    5       2 oa
Carabidae sp.                               1    5       2 ob
Cercyon sp.                                 1    5       2 u
Aleocharinae sp.                            1    5       2 u
Aphodius sp.                                1    5       2 ob rf
Esolus parallelepipedus (Muller)            1    5       2 oa w
Elateridae sp.                              1    5       2 ob
Oryzaephilus surinamensis (Linnaeus)        1    5       2 g
Cryptophagus sp. A                          1    5       2 rd
Cryptophagus sp. B                          1    5       2 rd
Lathridius minutus group                    1    5       2 rd
Typhaea stercorea (Linnaeus)                1    5       2 rd
Aglenus brunneus (Gyllenhal)                1    5       2 rt
Longitarsus sp.                             1    5       2 oa p
Sitophilus granarius (Linnaeus)             1    5       2 g
Coleoptera sp. A                            1    5       2 u
Coleoptera sp. B                            1    5       2 u
```

Site: RB89; Context: 815; Sample: 4916/T

NO RECORDS OF BEETLES OR BUGS