



Centre for Human Palaeoecology
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**Technical Report: plant and invertebrate remains from medieval deposits
at various sites in Aberdeen**

Part II: Tables

by

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Summary

This is the data appendix to accompany Report 2004/06.

KEYWORDS: ABERDEEN; MEDIEVAL; OCCUPATION DEPOSITS; PLANT REMAINS (CHARRED AND WATERLOGGED); FUEL; PEAT; INSECT REMAINS; BEETLES; PARASITE EGGS

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Table 1. List of sites for which material was examined, with the numbers of samples submitted and the number examined in some way (which includes a small number ‘spot’ samples for which no detailed record was made in the laboratory after a preliminary investigation).

Site code and name	No. samples submitted	No. samples investigated
E15 No 3 Bonded Warehouse Virginia St	11	4
E19 Carmelite Friary	38	15
E21 43-57 Upperkirkgate	25	12
E29 30-46 Upperkirkgate	22	0
E34 Gallowgate Middle School	42	15
E35 16-18 Nether Kirkgate	30	6
E37 Castle Street	20	7
E38 Carmelite Friary	83	22
E42 Aberdeen Academy	2	0
E43 St Clements Street	2	0
E45 St Clements Street	2	2
E47 Shiprow	11	4
E58 Dunbar Hall	4	4
Totals	292	91

Table 2. Complete list of plant taxa from sites from medieval Aberdeen investigated in this study, showing number of samples for which each taxon was recorded for each site. Also listed are other materials recorded during examination of samples for plant remains. Material was preserved anoxic waterlogging unless otherwise indicated. Nomenclature and taxonomic order follow Tutin et al. (1964-80) and Smith (1978). The site names can be read from Table 1.

Site code			E15	E19	E21	E34	E35	E37	E38	E45	E47	E58
No. contexts examined			3	14	14	15	6	4	11	2	4	4
No. subsamples examined			3	14	14	15	6	6	20	2	4	4
Taxon	Common name	Parts recorded										
Vascular plants												
<i>Pteridium aquilinum</i> (L.) Kuhn	bracken	pinnule fragments	1	-	-	-	3	-	1	-	1	-
		rachis fragments	-	-	-	1	1	-	-	-	-	-
		stalk fragments	1	-	-	-	3	-	-	-	-	-
		charred pinnule fragments	-	1	-	-	-	-	-	-	-	-
Coniferae	conifer	charcoal fragments	-	-	-	-	-	-	1	-	-	-
		wood fragments	1	-	-	-	-	-	-	-	-	-
<i>Pinus</i> sp(p).	pine	worked wood fragments	-	-	-	1	-	-	-	-	-	-
<i>Myrica gale</i> L.	bog myrtle/sweet gale	fruits	-	-	-	4	2	-	-	-	-	-
		leaf fragments	-	-	-	1	-	-	-	-	-	-
<i>Juglans regia</i> L.	walnut	nutshell fragments	-	-	-	-	1	-	-	-	-	-
<i>Betula</i> cf. <i>pendula</i> Roth	?silver birch	bark fragments	-	-	-	1	-	-	-	-	-	-
<i>Betula</i> sp(p).	birch	fruits	1	-	-	2	1	-	-	-	-	-
		female catkin scales	-	-	-	1	-	-	-	-	-	-
cf. <i>Betula</i> sp(p).	?birch	charcoal fragments	-	-	1	-	-	-	-	-	-	-
		buds and/or bud-scales	-	-	-	-	-	-	-	-	1	-
<i>Alnus glutinosa</i> (L.) Gaertner	alder	fruits	1	-	-	-	-	-	-	-	-	-
		buds and/or bud-scales	-	-	-	1	1	-	-	-	-	-
		wattle/wicker elements	-	-	-	1	-	-	-	-	-	-
<i>Corylus avellana</i> L.	hazel	buds and/or bud-scales	-	-	-	-	1	-	-	-	-	-
		nuts and/or nutshell fragments	1	-	-	9	4	-	2	-	-	-
		charred nuts and/ or nutshell fragments	-	1	-	3	1	-	2	-	1	-
		charred wattle/wicker elements	-	-	-	-	-	1	-	-	-	-
<i>Quercus</i> sp(p).	oak	buds and/or bud-scales	1	-	-	3	-	-	-	-	-	-

		charcoal fragments	-	-	1	1	-	2	-	-	1	-
		wood fragments	-	1	-	-	-	-	2	-	-	-
<i>Ficus carica</i> L.	fig	seeds	2	2	-	2	-	-	1	-	-	-
<i>Cannabis sativa</i> L.	hemp	achenes	1	-	-	-	-	-	-	-	-	-
<i>Urtica dioica</i> L.	stinging nettle	achenes	1	-	-	8	1	-	1	-	-	-
<i>U. urens</i> L.	annual nettle	achenes	-	-	-	4	2	-	1	-	-	-
<i>Polygonum aviculare</i> agg.	knotgrass	fruits	2	-	-	7	1	-	1	-	-	-
		charred fruits	1	-	1	-	-	-	-	-	-	-
<i>P. persicaria</i> L.	persicaria/red shank	fruits	2	-	-	9	4	-	3	-	-	-
		charred fruits	-	1	-	-	-	-	-	-	-	-
<i>P. lapathifolium</i> L.	pale persicaria	fruits	2	-	-	7	5	-	1	-	-	-
<i>Bilderdykia convolvulus</i> (L.) Dumort.	black bindweed	fruits	1	-	-	-	4	-	-	-	-	-
		fruit fragments	1	-	-	3	1	-	1	-	-	-
<i>Rumex acetosella</i> agg.	sheep's sorrel	fruits	2	-	-	12	5	-	1	-	-	-
		charred fruits	-	-	-	1	-	-	-	-	-	-
<i>Rumex</i> sp(p).	docks	fruits	1	-	-	10	4	-	3	-	1	-
		charred fruits	-	-	-	2	-	-	-	-	-	1
Chenopodiaceae	goosefoot family	seeds	-	-	-	-	-	-	-	-	-	1
<i>Chenopodium album</i> L.	fat hen	seeds	2	-	-	9	4	-	2	-	1	-
		charred seeds	1	-	-	-	-	-	-	-	-	-
<i>Atriplex</i> sp(p).	oraches	seeds	-	-	-	4	2	-	2	-	1	-
		charred seeds	-	-	1	-	-	-	-	-	-	-
<i>Stellaria media</i> (L.) Vill.	chickweed	seeds	2	-	-	12	4	-	2	-	2	1
<i>S. palustris</i> Retz./ <i>S. graminea</i> L.	marsh/lesser stitchwort	seeds	-	-	-	1	-	-	-	-	-	-
<i>Cerastium</i> sp(p).	mouse-ear chickweed	seeds	-	-	-	2	-	-	-	-	-	-
<i>Scleranthus annuus</i> L.	annual knawel	fruits	-	-	-	1	-	-	-	-	-	-
<i>Spergula arvensis</i> L.	corn spurrey	seeds	2	-	-	6	4	-	2	-	1	-
		charred seeds	1	1	-	-	-	-	-	-	-	-
<i>Lychnis flos-cuculi</i> L.	ragged robin	seeds	-	-	-	1	-	-	-	-	-	-
<i>Agrostemma githago</i> L.	corncockle	seeds	-	-	-	1	1	-	-	-	-	-
		seed fragments	1	-	-	5	4	-	3	-	-	-
<i>Silene vulgaris</i> (Moench) Garcke	bladder campion	seeds	1	-	-	1+?2	-	-	-	-	?1	-
<i>S. vulgaris/S. alba</i> (Miller) Krause in Sturm	bladder/white campion	seeds	-	-	-	-	-	-	1	-	-	-
<i>Silene</i> sp(p).	campions, etc.	seeds	-	-	-	-	1	-	-	-	-	-

<i>Ranunculus</i> Section <i>Ranunculus</i>	meadow/creeping/ bulbous buttercup	achenes	1	-	-	5	4	-	1	-	-	-
		charred achenes	-	-	1	-	-	-	-	-	-	-
<i>R. sceleratus</i> L.	celery-leaved crowfoot	achenes	-	-	-	2	-	-	-	-	-	-
<i>R. flammula</i> L.	lesser spearwort	achenes	-	-	-	7	2	-	-	-	-	-
		charred achenes	-	-	-	-	-	-	-	-	-	1
<i>Ranunculus</i> sp(p).	buttercups, etc.	achenes	-	-	-	-	1	-	-	-	-	-
<i>Papaver rhoeas</i> L./ <i>P. dubium</i> L.	field/long-headed poppy	seeds	1	-	-	-	-	-	-	-	-	-
<i>Descurainia sophia</i> (L.) Webb ex Prantl	flixweed	seeds	-	-	-	1	-	-	-	-	-	-
<i>Capsella bursa-pastoris</i> (L.) Medicus	shepherd's purse	seeds	1	-	-	1	-	-	-	-	-	-
<i>Thlaspi arvense</i> L.	field penny-cress	seeds	2	-	-	1	-	-	-	-	-	-
<i>Brassica rapa</i> L.	'turnip'	seeds	1	-	-	4	3	-	2	-	?1	-
<i>Brassica</i> sp(p).	cabbages, etc.	seeds	-	-	-	2	-	-	3	-	-	-
<i>Brassica</i> sp./ <i>Sinapis arvensis</i> L.	brassica/charlock	seeds	1	-	-	1	1	-	1	-	-	-
<i>Raphanus raphanistrum</i> L.	wild radish	pod segments and/or fragments	-	1	-	-	8	5	-	3	-	-
		seeds	-	-	-	2	1	-	-	-	-	-
<i>Reseda luteola</i> L.	weld/dyer's rocket	seeds	1	-	-	-	1	-	2	-	-	-
<i>R. lutea</i> L.	wild mignonette	seeds	1	-	-	-	-	-	-	-	-	-
<i>Filipendula ulmaria</i> (L.) Maxim.	meadowsweet	achenes	-	-	-	1	-	-	-	-	-	-
<i>Rubus idaeus</i> L.	raspberry	seeds	-	-	-	1	2	-	1	-	-	-
<i>R. fruticosus</i> agg.	blackberry/bramble	seeds	-	-	-	1	-	-	2	-	-	-
<i>Rubus/Rosa</i> sp(p).	blackberry, etc./rose	prickles	1	-	-	-	-	-	-	-	-	-
<i>Potentilla palustris</i> (L.) Scop.	marsh cinquefoil	achenes	-	-	-	1	1	-	-	-	-	-
<i>P. cf. erecta</i> (L.) Rauschel	?tormentil	achenes	1	-	-	12	4	-	-	-	-	-
		charred achenes	-	-	-	-	-	-	-	-	-	2
<i>P. cf. reptans</i> L.	?creeping cinquefoil	achenes	-	-	-	1	-	-	-	-	-	-
<i>Potentilla</i> sp(p).	cinquefoils, etc.	achenes	-	-	-	1	-	-	-	-	-	-
<i>Fragaria cf. vesca</i> L.	?wild strawberry	achenes	-	-	-	-	-	-	1	-	-	-
<i>Malus sylvestris</i> Miller	crab apple	endocarp	-	-	-	-	-	-	2	-	-	-
<i>Sorbus aucuparia</i> L.	rowan, mountain ash	seeds	-	-	-	-	2	-	1	-	-	-
<i>Crataegus</i> sp(p).	hawthorns	immature fruits	-	-	-	-	1	-	-	-	-	-
Leguminosae	pea family	flowers and/or petals	-	-	-	1	3	-	-	-	-	-
<i>Linum usitatissimum</i> L.	cultivated flax	seed fragments	-	-	-	-	-	-	1	-	-	-
<i>Euphorbia helioscopia</i> L.	sun spurge	seeds	1	-	-	-	-	-	-	-	-	-
<i>Buxus sempervirens</i> L.	box	leaf fragment	-	-	-	1	-	-	-	-	-	-

<i>Vitis vinifera</i> L.	grape	seeds	1	-	-	-	-	-	-	-	-	-
<i>Viola</i> sp(p).	violets/pansies, etc.	seeds	1	-	-	2	3	-	1	-	-	-
		capsule segments	-	-	-	-	3	-	-	-	-	-
<i>Scandix pecten-veneris</i> L.	shepherd's needle	mericarps	1	-	-	-	-	-	-	-	-	-
<i>Conium maculatum</i> L.	hemlock	mericarps	-	-	-	1	-	-	-	-	-	-
<i>Bupleurum rotundifolium</i> L.	hare's-ear/ thorow-wax	mericarps	-	-	-	1	-	-	-	-	-	-
		mericarps	-	-	-	1	-	-	-	-	-	-
<i>Torilis japonica</i> (Houtt.) DC.	upright hedge-parsley	mericarps	-	-	-	1	-	-	-	-	-	-
<i>Erica tetralix</i> L.	cross-leaved heath	charred leaf/leaves	1	-	-	-	-	-	-	-	-	-
		leaf/leaves	-	-	-	1	-	-	1	-	-	-
<i>E. cinerea</i> L.	bell heather	seeds	1	-	-	1	-	-	-	-	-	-
		leaf/leaves	-	-	-	-	1	-	-	-	-	-
<i>Calluna vulgaris</i> (L.) Hull	heather, ling	buds	-	-	-	-	1	-	-	-	1	-
		capsules	-	-	-	1	-	-	-	-	-	-
		charred buds	-	-	-	-	-	-	-	-	-	1
		charred capsules	-	-	-	-	1	2	-	-	1	-
		charred flowers	-	-	-	-	-	3	-	-	-	1
		charred leaf/leaves	1	-	1	-	-	3	-	-	1	-
		charred root and/ or basal twig fragments	-	-	-	-	-	3	-	-	-	-
		charred shoot fragments	-	1	-	1	-	3	-	-	3	-
		charred shoot tips	-	-	-	-	-	-	-	-	-	1
		charred twig fragments	1	-	4	1	-	3	-	-	-	-
		flowers	1	-	-	6	4	-	-	-	-	-
		leaf/leaves	1	-	-	2	1	-	-	-	1	-
		part-charred leaf/leaves	-	-	-	-	-	-	-	-	-	1
		part-charred shoot fragments	-	-	-	-	-	-	-	-	-	1
		part-charred shoot tips	-	-	-	-	-	-	-	-	-	1
		shoot fragments	1	-	-	5	3	-	-	-	-	-
shoot tips	1	-	-	1	5	-	1	-	1	-		
twig fragments	-	-	-	3	2	-	-	-	-	-		
cf. <i>C. vulgaris</i>	?heather, ling	charred root and/ or basal twig fragments	1	2	6	7	-	-	3	1	2	2
		charred shoot fragments	1	-	1	-	-	-	-	-	-	-
		root and/or basal twig fragments	1	-	-	7	3	-	-	-	-	-
<i>Empetrum</i> sp(p).	crowberry	shoot fragments	-	-	-	1	-	-	1	-	-	-
		seeds	-	-	-	-	-	-	1	-	-	-

<i>Galium aparine</i> L.	goosegrass, cleavers	epicarp (fruit skin)	1	-	-	-	-	-	-	-	-	-
<i>Galium</i> sp(p).	bedstraws, etc.	fruits	-	-	-	1	-	-	-	-	-	-
Boraginaceae	borage family	nutlets	1	-	-	-	-	-	-	-	-	-
<i>Buglossoides arvensis</i> (L.) I. M. Johnston	corn gromwell	nutlets	-	-	-	-	-	-	-	-	1	-
<i>Myosotis</i> sp(p).	forget-me-nots	nutlets	1	-	-	-	-	-	-	-	-	-
<i>Ajuga reptans</i> L.	bugle	nutlets	-	-	-	1	2	-	-	-	-	-
<i>Scutellaria galericulata</i> L.	skullcap	nutlets	-	-	-	1	-	-	-	-	-	-
<i>Galeopsis</i> Subgenus <i>Ladanum</i>	hemp-nettles	nutlets	-	-	-	1	1	-	-	-	-	-
<i>Galeopsis</i> Subgenus <i>Galeopsis</i>	hemp-nettles	nutlets	2	-	-	10	4	-	3	-	-	-
<i>Lamium</i> Section <i>Lamiopsis</i>	annual dead-nettles	nutlets	-	-	-	1	-	-	-	-	-	-
<i>Stachys</i> sp(p).	woundworts	nutlets	1	-	-	1	1	-	-	-	-	-
<i>Prunella vulgaris</i> L.	selfheal	nutlets	1	-	-	1	2	-	-	-	-	-
<i>Rhinanthus</i> sp(p).	yellow rattles	seeds	-	-	-	-	1	-	1	-	-	-
<i>Plantago lanceolata</i> L.	ribwort plantain	charred seeds	-	-	-	1	-	-	-	-	-	-
<i>Knautia arvensis</i> (L.) Coulter	field scabious	fruit fragments	-	-	-	1	-	-	-	-	-	-
<i>Chrysanthemum segetum</i> L.	corn marigold	achenes	1	-	-	1	-	-	-	-	-	-
		achene fragments	1	-	-	-	-	-	-	-	-	-
<i>Carduus/Cirsium</i> sp(p).	thistles	achenes	1	-	-	-	-	-	-	-	-	-
<i>Centaurea</i> cf. <i>cyanus</i> L.	?cornflower	achenes	1	-	-	-	-	-	-	-	-	-
<i>Centaurea</i> sp(p).	knapweeds, etc.	achenes	1	-	-	-	-	-	-	-	-	-
		achene fragments	1	-	-	-	-	-	1	-	-	-
<i>Hypochoeris</i> sp(p).	cat's ears	achenes	-	-	-	-	1	-	-	-	-	-
<i>Leontodon</i> sp(p).	hawkbits	achenes	-	-	-	-	2	-	1	-	-	-
<i>Sonchus asper</i> (L.) Hill	prickly sow-thistle	achenes	1	-	-	2	1	-	-	-	-	-
<i>Taraxacum</i> sp(p).	dandelions	achenes	-	-	-	-	-	-	1	-	-	-
<i>Lapsana communis</i> L.	nipplewort	achenes	1	-	-	5	5	-	3	-	-	-
		charred achenes	1	-	-	-	-	-	-	-	-	-
<i>Potamogeton</i> sp(p).	pondweeds	pyrenes	-	-	-	2	-	-	-	-	-	-
		charred pyrenes	-	1	-	-	-	-	-	-	-	-
<i>Juncus inflexus</i> L./ <i>J. effusus</i> L./ <i>J. conglomeratus</i> L.	hard/soft/compact rush	seeds	-	-	-	-	-	-	-	-	1	-
<i>J. cf. squarrosus</i> L.	?heath rush	seeds	-	-	-	-	1	-	-	-	-	-
<i>J. cf. gerardi</i> Loisel.	?mud rush	seeds	-	-	-	1	-	-	-	-	1	-
<i>J. bufonius</i> L.	toad rush	seeds	-	-	-	4	1	-	-	-	1	-
<i>Juncus</i> sp(p).	rushes	seeds	2	-	-	2	-	-	-	-	-	-
<i>Luzula</i> sp(p).	woodrushes	seeds	-	-	-	1	1	-	-	-	-	-
Gramineae	grasses	waterlogged caryopses	-	-	-	6	2	-	1	-	1	-

		charred culm bases/ rhizome fragmens	-	-	-	-	-	1	-	-	-	-
		charred caryopses	-	-	1	1	-	-	-	-	2	-
cf. Gramineae	?grasses	charred culm fragments	-	-	-	-	-	1	-	-	-	-
Gramineae/Cerealia	grasses/cereals	waterlogged culm nodes	-	-	-	-	2	-	-	-	-	-
		waterlogged culm fragments	-	-	-	-	3	-	-	-	1	-
		charred culm nodes	-	-	1	1	-	-	-	-	-	-
		charred culm bases	-	-	-	-	-	1	-	-	-	-
		charred culm fragments	2	-	-	-	-	1	-	-	-	-
Cerealia indet.	cereals	waterlogged chaff	-	-	-	-	1	-	-	-	-	-
		waterlogged rachis fragments	-	-	-	1	2	-	-	-	-	-
		charred caryopses	1	-	2	-	-	-	-	-	-	-
		charred awns/awn fragments	1	2	-	-	-	-	-	-	-	-
		charred rachis fragments	-	-	-	1	-	-	-	-	-	-
cf. Cerealia indet.	?cereals	charred caryopses	-	1	-	-	-	-	-	-	-	1
<i>Triticum 'aestivo-compactum'</i>	bread/club wheat	charred caryopses	-	-	1	2	-	-	-	-	1	-
<i>Triticum</i> sp(p).	wheats	charred caryopses	-	-	1	-	-	-	-	-	-	-
<i>Triticum/Secale</i>	wheat/rye	waterlogged periderm fragments	-	-	-	-	-	-	1	-	-	-
		waterlogged caryopses	-	-	-	?1	1	-	-	-	-	-
<i>Hordeum</i> sp(p).	barley	charred caryopses	2	-	3+?1	2+?1	-	-	-	-	1	1
cf. <i>Hordeum</i> sp(p).	?barley	waterlogged caryopses	-	-	-	-	1	-	-	-	-	-
<i>Avena</i> cf. <i>fatua</i> L.	?wild oat	charred spikelets/fragments	1	-	-	-	-	-	-	-	-	-
<i>A. sativa</i> L.	cultivated oat	charred spikelets/fragments	?1	-	-	-	-	1	-	-	-	-
<i>Avena</i> sp(p).	oats	charred caryopses	2	1+?1	2	6	2	1	2	1	1	2
		charred awn fragments	-	-	-	-	-	1	-	-	-	-
		part-charred spikelets/fragments	1	-	-	-	-	-	-	-	-	-
		charred spikelets/fragments	1	-	-	-	-	-	-	-	-	-
		waterlogged caryopses	-	-	-	2	2	-	-	-	-	-
cf. <i>Avena</i> sp(p).	?oats	waterlogged spikelets/fragments	-	-	-	-	2	-	-	-	-	-
<i>Danthonia decumbens</i> (L.) DC. in Lam. & DC.	heath grass	caryopses	-	-	-	1	2+?1	-	-	-	-	-
		cleistogenes (basal cleistogamous flowers)	-	-	-	1	1	-	-	-	-	-
		spikelets/cleistogenes	-	-	-	2	-	-	-	-	-	-
		charred caryopses	-	-	-	-	-	-	-	-	-	1
<i>Lemna</i> sp(p).	duckweeds	fronds	1	-	1	3	-	-	-	-	-	-
<i>Scirpus lacustris</i> sensu lato	bulrush	nutlets	-	-	-	1	-	-	-	-	-	-

<i>Eriophorum vaginatum</i> L.	cotton-grass	leaf-sheath fibres	-	-	-	1	-	-	-	-	-	-
		rhizome fragments	-	-	-	2	-	-	-	-	-	-
		sclerenchyma spindles	-	-	-	-	1	-	-	-	-	-
<i>Eleocharis palustris</i> sensu lato	common spike-rush	nutlets	-	-	-	4	2	-	1	-	1	-
<i>Carex</i> sp(p).	sedges	nutlets	1	-	-	10	5	-	1	-	-	-
		charred nutlets	-	-	1	-	-	1	1	-	-	2
		charred stem fragments	-	-	1	-	-	-	-	-	-	-
Mosses (leaf/leaves and/or shoot fragments unless otherwise indicated)												
<i>Sphagnum papillosum</i> Lindb.			-	-	-	-	-	-	1	-	-	-
<i>S. palustre</i> L.			-	-	-	1	-	-	-	-	-	-
<i>S. squarrosum</i> Crome			-	-	-	1	-	-	-	-	-	-
<i>Sphagnum</i> sp(p).		capsules and/or lids	-	-	-	-	-	-	1	-	-	-
		leaves and/or shoot fragments	-	-	-	10	7	-	4	-	-	-
		stem fragments	-	-	-	4	3	-	-	-	-	-
<i>Polytrichum</i> cf. <i>commune</i> Hedw.			-	-	-	1	-	-	-	-	-	-
<i>Polytrichum</i> sp(p).			2	-	-	4	3	-	-	-	-	-
<i>Dicranum</i> sp(p).			-	-	-	1	2	-	1	-	-	-
<i>Bryum</i> sp(p).			-	-	-	-	1	-	-	-	-	-
<i>Aulacomnium palustre</i> (Hedw.) Schwaegr.			-	-	-	7	4	-	1	-	-	-
<i>Ulota</i> sp(p).			-	-	-	2	-	-	-	-	-	-
<i>Antitrichia curtispindula</i> (Hedw.) Brid.			-	-	-	1	-	-	-	-	-	-
<i>Thuidium tamariscinum</i> (Hedw.) Br. Eur.			1	-	-	2	2	-	1	-	-	-
cf. <i>Thuidium</i> sp(p).			-	-	-	1	-	-	-	-	-	-
<i>Drepanocladus</i> sp(p).			-	-	-	1	-	-	1	-	-	-
<i>Calliergon</i> cf. <i>giganteum</i> (Schimp.) Kindb.			-	-	-	2	1	-	-	-	-	-
<i>C. cuspidatum</i> (Hedw.) Kindb.			-	-	-	5	-	-	-	-	-	-
<i>Isoetecium myosuroides</i> Brid.			-	-	-	1	-	-	-	-	-	-
<i>Pseudoscleropodium purum</i> (Hedw.) Fleisch.			-	-	-	-	2	-	-	-	-	-
<i>Eurhynchium striatum</i> (Hedw.) Schimp.			-	-	-	1	-	-	-	-	-	-
<i>E. praelongum</i> (Hedw.) Br. Eur.			-	-	-	1	1	-	-	-	-	-
<i>Eurhynchium</i> sp(p). -			-	-	-	-	1	-	-	-	-	-
<i>Hypnum</i> cf. <i>cupressiforme</i> Hedw.			1	-	-	8	4	-	1	-	-	-
cf. <i>Rhytidiadelphus squarrosus</i> (Hedw.) Warnst.			-	-	-	-	1	-	-	-	-	-
<i>Rhytidiadelphus</i> sp(p). -			-	-	-	4	1	-	2	-	-	-
<i>Pleurozium schreberi</i> (Brid.) Mitt.			-	-	-	-	1	-	-	-	-	-
<i>Hylocomium splendens</i> (Hedw.) Br. Eur.			2	-	-	6	3	-	2	-	-	-

<i>Hylocomium</i> sp(p).	1	-	-	-	-	-	-	-	-	-
Other plant material										
bark fragments	1	-	-	11	5	-	5	-	2	-
bark fragments (charred)	-	1	-	-	-	1	-	-	1	-
charcoal	2	10	11	11	5	4	8	1	3	3
dicot leaf fragments	-	-	-	1	2	-	-	-	-	-
epidermis fragments	-	-	-	-	-	-	2	-	-	-
herbaceous detritus	-	-	-	4	2	-	-	-	-	-
charred herbaceous detritus	-	-	2	4	-	2	-	-	-	1
?charred herbaceous detritus	-	-	-	1	-	-	-	-	-	-
leaf abscission pads	-	-	-	1	-	-	-	-	-	-
monocot epidermis fragments	-	-	-	-	1	-	-	-	-	-
moss	1	-	-	2	1	-	2	-	-	-
moss (charred stem fragments)	1	-	-	1	-	-	-	-	-	1
moss (leafless stems)	-	-	-	8	2	-	-	-	1	-
rhizome fragments	-	-	-	2	2	-	-	-	-	-
root casts	-	1	-	-	-	-	-	-	-	-
root moulds (min)	-	-	-	-	-	-	-	-	-	1
root/rhizome fragments	1	-	-	1	-	-	-	-	-	-
root/rhizome fragments (charred)	-	-	1	-	-	-	2	-	-	1
root/rootlet fragments	-	-	-	-	3	-	-	-	-	-
root/rootlet fragments (?modern)	-	-	1	-	-	-	-	-	-	1
root/rootlet fragments (modern)	-	-	-	-	-	-	-	-	-	1
roundwood fragments	-	-	-	1	-	-	-	-	-	-
sclereids (from bark)	-	-	-	2	-	-	-	-	-	-
twig fragments	1	-	1	7	3	-	3	-	-	-
twig fragments (charred)	-	-	1	2	1	1	1	-	-	-
wood chips	1	-	-	3	3	-	-	-	-	-
wood fragments	1	1	-	13	4	-	8	-	1	1
wood fragments (mineralised)	-	-	-	-	-	-	1	-	-	-
part-burnt wood	-	-	-	1	-	-	-	-	2	-
Fungal remains										
cf. <i>Rosellinia</i> sp(p).										
<i>Cenococcum</i>										
				perithecia	-	-	-	-	-	-
				sclerotia	2	-	4	6	3	-
				charred sclerotia	-	1	-	1	-	-
									5	-
									1	1
									?	1

<i>cf. Myxotrichum</i> sp(p).	1	-	-	-	-	-	-	-	-	-
fungal sclerotia	-	-	-	1	-	-	-	-	-	-
fungal spores	-	-	-	-	-	-	1	-	-	-
Remains of ?fuel/burnt material										
‘char’	-	-	-	-	-	-	1	-	-	-
charred organic material	-	1	-	-	-	-	-	-	-	-
cinders	-	-	-	1	1	-	1	-	-	-
coal	1	-	3	2	-	-	2	-	-	1
part-burnt coal	-	-	-	-	-	-	1	-	-	-
glassy ash	-	1	-	-	-	-	-	-	-	-
glassy slag	-	-	-	-	-	1	-	-	-	-
peat fragments	2	3	4	13	6	-	6	1	-	1
burnt peat fragments	2	4	6	4	-	-	2	1	-	1
peat/mor humus	-	-	-	1	-	-	-	-	-	-
plant fuel ash	-	-	-	-	-	1	-	-	1	-
Sphagnum peat fragments	-	-	-	-	1	-	-	-	-	-
?ash concretions	-	-	-	1	-	-	-	-	-	-
?burnt peat fragments	-	2	4	1	1	-	3	-	1	-
?burnt peat/mor humus	-	-	-	-	-	-	-	-	1	1
?burnt soil	-	2	1	-	-	-	-	-	-	1
?burnt soil/daub	-	-	-	-	-	2	-	-	-	-
?cinders	-	-	-	-	1	-	-	-	-	-
?peat ash	-	-	1	-	-	-	-	-	-	-
?peat fragments	-	1	1	-	1	-	2	-	-	-
?peat/mor humus	-	-	-	-	-	-	-	-	1	-
Concretions and coprolites										
concreted sediment	-	1	1	-	-	-	1	-	-	-
concretions	-	1	-	-	-	-	1	-	-	-
faecal concretions	-	-	-	-	-	-	1	-	-	-
iron-rich concretions	-	-	1	-	1	-	-	-	-	-
?concretions	-	-	-	-	1	-	-	-	-	-
?dog coprolite	-	-	-	1	-	-	-	-	-	-
?faecal concretions	-	1	-	-	-	-	-	-	-	-
Materials from construction										

?mortar	-	-	1	-	-	-	-	-	-	-
Artefactual materials										
animal bristles	1	-	-	-	-	-	-	-	-	-
animal hair (matted)	-	-	-	1	-	-	-	-	-	-
animal hairs	1	-	-	3	1	-	2	-	1	-
antler/bone/horn shavings	-	-	-	1	-	-	-	-	-	-
baked clay/daub	1	-	2	1	-	1	-	-	-	1
green-glazed pottery	-	-	-	-	-	-	1	-	-	-
leather fragments	-	-	-	7	2	-	-	-	-	-
pottery	1	-	1	2	-	-	-	-	-	-
?wool	1	-	-	-	-	-	-	-	-	-
Invertebrates										
bee combs	-	-	-	-	1	-	-	-	-	-
bivalve periostracum	2	-	3	7	4	-	1	-	1	-
earthworm egg caps	1	-	-	11	3	-	3	-	-	-
fly puparia	3	-	-	11	4	-	6	-	1	-
marine mollusc shell fragments	-	-	-	-	-	-	-	-	1	-
mites	1	-	-	7	2	-	1	-	-	-
mollusc opercula	-	-	-	-	2	-	2	-	-	-
mussel shell fragments	-	-	-	-	-	-	2	-	-	-
rat-tailed maggot (respiratory processes)	-	-	-	1	-	-	1	-	-	-
Vertebrates										
bird bone	-	-	-	-	-	-	1	-	-	-
bone fragments	2	2	-	8	4	-	3	-	-	1
burnt bone fragments	-	-	1	4	1	-	2	-	2	1
burnt fish bone	1	-	1	-	-	-	1	-	1	2
eggshell membrane fragments	-	-	-	-	3	-	2	-	-	-
feather fragments	1	-	-	-	-	-	-	-	-	-
fish bone	1	2	1	6	2	-	3	-	-	2
fish scale	1	-	-	1	-	-	-	-	-	-
hairs	-	-	-	-	-	-	-	-	1	-
mammal bone	-	-	-	-	-	-	1	-	-	-
mammal tooth	-	-	-	-	-	-	1	-	-	-

Table 3. Complete list of invertebrate remains recorded from samples from sites in Aberdeen during the present study (site names can be read from Table 1). Order and nomenclature follow Kloet and Hincks (1964-77) for insects. Where both secure and tentative identifications for a given taxon were recorded, only the former are listed here. Ecological codes (ec) used in calculating statistics (Table 7) are given (they are explained in Table 8) together with the number of samples in which each taxon was recorded. * = not used in calculating assemblage statistics. The remains were of adults unless otherwise stated. 'Sp.' indicates that record was probably an additional taxon, 'sp. indet.' that the material may have been of a taxon listed above it. Where several 'recognisable taxonomic units' within a taxon (e.g. 'Stenus sp. A' ... 'N') are given these are not equivalent between samples. See the full species lists (Table 6) for details.

Taxon	ec	E15	E34	E35	E38
Porifera					
*Porifera sp. (sponge)	u	-	1	-	-
Nematoda					
<i>Trichuris</i> sp. (eggs)		-	2	3	2
<i>Ascaris</i> sp. (eggs)		-	?1	-	?1
Oligochaeta					
*Oligochaeta sp. (egg capsule)	u	-	8	1	2
Crustacea					
* <i>Daphnia</i> sp. (ephippium)	oa-w	-	6	1	-
*Cladocera sp. (ephippium)	oa-w	-	1	-	-
*Cladocera sp. S (ephippium)	oa-w	-	1	-	-
*Ostracoda sp.	u	-	1	-	-
Insecta					
Dermaptera					
* <i>Forficula</i> sp.	u	-	1	-	-
*Dermaptera sp.	u	1	3	1	1
Mallophaga					
*? <i>Damalinia</i> sp.	u	-	1	1	-
*Mallophaga sp.	u	-	1	-	-
Siphunculata					
* <i>Pediculus humanus</i> Linnaeus	ss	-	-	1	-
Hemiptera					
? <i>Trapezonotus</i> sp.	oa-p	-	1	-	-
<i>Stygnocoris pedestris</i> (Fallen)	oa	-	2	-	-
<i>Scolopostethus ?decoratus</i> (Hahn)	oa-p-m	-	1	-	-
Lygaeidae sp.	oa-p	-	4	2	-
<i>Lyctocoris campestris</i> (Fabricius)	rd-st	-	1	1	-
<i>Saldula</i> sp.	oa-d	-	1	1	-
<i>Chartoscirta</i> sp.	oa-w	-	1	-	-
Saldidae sp.	oa-d	-	4	-	-
Corixidae sp.	oa-w	-	3	-	-
<i>Philaenus spumarius</i> (Linnaeus)	oa-p	-	1	1	-

<i>Ulopa reticulata</i> (Fabricius)	oa-p-m	-	8	1	-
<i>Cicadella viridis</i> (Linnaeus)	oa-p	-	1	-	-
<i>Aphrodes ?trifasciatus</i> (Geoffroy)	oa-p	-	1	-	-
<i>Aphrodes</i> sp.	oa-p	-	2	-	-
Cicadellidae sp.	oa-p	-	8	2	1
Cicadellidae sp. A	oa-p	-	1	-	-
Cicadellidae sp. B	oa-p	-	1	-	-
Delphacidae sp.	oa-p	-	3	1	-
Delphacidae sp. A	oa-p	-	1	-	-
Delphacidae sp. B	oa-p	-	1	-	-
* <i>Auchenorhyncha</i> sp. (nymph)	oa-p	-	3	1	-
* <i>Strophingia</i> sp. (nymph)	oa-p-m	-	-	1	-
Psylloidea sp.	oa-p	-	3	1	-
*Psylloidea sp. (nymph)	oa-p	-	1	-	-
*Aphidoidea sp.	u	-	5	-	-
*Coccoidea sp.	u	-	6	2	-
Trichoptera					
*Trichoptera sp.	oa-w	-	1	-	-
Lepidoptera					
*Lepidoptera sp. (pupa)	u	-	2	-	-
Diptera					
*Chironomidae sp. (larva)	w	-	1	-	-
*Bibionidae sp.	u	-	3	-	-
*Syrphidae sp. (larva)	u	-	3	-	1
*? <i>Melophagus ovinus</i> (Linnaeus)	u	-	2	-	-
*? <i>Melophagus ovinus</i> (Linnaeus) (puparium)	u	-	1	1	-
* <i>Lipoptena cervi</i> (Linnaeus)	u	-	-	1	-
*Diptera sp. (adult)	u	-	6	-	2
*Diptera sp. (larva)	u	-	1	-	-
*Diptera sp. (pupa)	u	-	1	-	1
*Diptera sp. (puparium)	u	1	9	2	2
Siphonaptera					
* <i>Pulex irritans</i> Linnaeus	ss	-	6	2	-
*Siphonaptera sp. indet.	u	1	1	-	-
Coleoptera					
<i>Carabus problematicus</i> Herbst	oa	-	2	-	1
<i>Carabus</i> sp. indet.	oa	-	1	-	-
<i>Nebria ?brevicollis</i> (Fabricius)	oa	-	1	-	-
<i>Nebria brevicollis</i> (Fabricius)	oa	-	2	-	-
<i>Nebria gyllenhali</i> (Schoenherr)	oa	-	1	-	-
<i>Notiophilus aquaticus</i> (Linnaeus)	oa	-	1	-	-
<i>Notiophilus ?germinyi</i> Fauvel	oa	-	1	-	-
<i>Notiophilus</i> sp.	oa	-	3	-	-
<i>Elaphrus cupreus</i> Duftschmid	oa-d	-	2	-	-
<i>Loricera pilicornis</i> (Fabricius)	oa	-	4	-	-
<i>Dyschirius globosus</i> (Herbst)	oa	-	10	2	2
<i>Clivina fossor</i> (Linnaeus)	oa	-	1	-	1
<i>Patrobus assimilis</i> Chaudoir	oa	-	2	-	-
<i>Patrobus</i> sp. indet.	oa	-	2	-	-
<i>Trechus obtusus</i> Erichson	oa	-	1	-	-

<i>Trechus quadristriatus</i> (Schrank)	oa	-	3	-	-
<i>Trechus obtusus</i> or <i>quadristriatus</i>	oa	-	4	-	1
<i>Bembidion lampros</i> (Herbst)	oa	-	4	1	-
<i>Bembidion properans</i> Stephens	oa	-	1	-	-
<i>Bembidion guttula</i> or <i>mannerheimi</i>	oa	-	1	-	-
<i>Bembidion</i> sp.	oa	-	3	-	-
<i>Bembidion</i> sp. A	oa	-	1	-	-
<i>Bembidion</i> sp. B	oa	-	1	-	-
<i>Pterostichus diligens</i> (Sturm)	oa-d	-	8	2	1
<i>Pterostichus melanarius</i> (Illiger)	ob	-	3	-	1
<i>Pterostichus niger</i> (Schaller)	oa	-	-	1	-
<i>Pterostichus nigrita</i> (Paykull)	oa-d	-	2	-	-
<i>Pterostichus oblongopunctatus</i> (Fabricius)	oa	-	1	-	-
<i>Pterostichus strenuus</i> (Panzer)	oa	-	1	-	-
<i>Pterostichus</i> sp.	ob	-	2	1	-
<i>Calathus fuscipes</i> (Goeze)	oa	1	1	1	1
<i>Calathus</i> sp.	oa	-	4	1	-
<i>Calathus</i> sp. A	oa	-	1	-	-
<i>Calathus</i> sp. B	oa	-	1	-	-
<i>Laemostenus terricola</i> (Herbst)	ss	-	-	1	-
<i>Agonum obscurum</i> (Herbst)	oa-d	-	-	1	-
<i>Agonum</i> sp.	oa	-	3	-	-
<i>Agonum</i> sp. A	oa	-	1	-	-
<i>Agonum</i> sp. B	oa	-	1	-	-
<i>Amara</i> sp.	oa	-	3	1	-
<i>Harpalus affinis</i> (Schrank)	oa	-	1	-	-
<i>Harpalus</i> sp.	oa	-	1	-	-
<i>Harpalus</i> sp. A	oa	-	1	-	-
<i>Harpalus</i> sp. B	oa	-	1	-	-
<i>Harpalus</i> sp. C	oa	-	1	-	-
<i>Trichocellus cognatus</i> (Gyllenhal)	oa	-	2	-	-
<i>Trichocellus</i> sp. indet.	oa	-	-	-	1
<i>Bradycellus ?harpalinus</i> (Serville)	oa	-	1	-	-
<i>Bradycellus ruficollis</i> (Stephens)	oa-m	-	9	2	-
<i>Bradycellus</i> sp.	oa	-	4	-	-
Carabidae spp. indet.	ob	-	3	-	-
Carabidae sp. indet. A	ob	-	2	-	1
Carabidae sp. indet. B	ob	-	2	-	1
Carabidae sp. indet. C	ob	-	1	-	-
<i>Haliplus</i> sp.	oa-w	-	1	-	-
<i>Hydroporus</i> sp.	oa-w	-	1	-	-
<i>Hydroporus</i> sp. A	oa-w	-	6	2	-
<i>Hydroporus</i> sp. B	oa-w	-	6	2	-
<i>Hydroporus</i> sp. C	oa-w	-	1	-	-
Hydroporinae sp.	oa-w	-	2	-	-
Hydroporinae sp. A	oa-w	-	1	-	-
Hydroporinae sp. B	oa-w	-	1	-	-
Hydroporinae sp. C	oa-w	-	1	-	-
<i>Agabus bipustulatus</i> (Linnaeus)	oa-w	-	5	1	1
<i>Agabus</i> sp.	oa-w	-	4	-	-
<i>Agabus</i> or <i>Ilybius</i> sp.	oa-w	-	1	-	-
Colymbetinae sp.	oa-w	-	1	-	-
<i>Helophorus aquaticus</i> (Linnaeus)	oa-w	-	1	-	-
<i>Helophorus grandis</i> Illiger	oa-w	-	2	-	-
<i>Helophorus aquaticus</i> or <i>grandis</i>	oa-w	-	3	-	1

<i>Helophorus nubilus</i> Fabricius	oa	-	2	1	-
<i>Helophorus</i> sp.	oa-w	-	5	2	2
<i>Helophorus</i> sp. A	oa-w	-	5	-	-
<i>Helophorus</i> sp. B	oa-w	-	5	-	-
<i>Helophorus</i> sp. C	oa-w	-	1	-	-
<i>Coelostoma orbiculare</i> (Fabricius)	oa-w	-	1	-	-
<i>Cercyon analis</i> (Paykull)	rt-sf	-	8	2	1
<i>Cercyon atricapillus</i> (Marsham)	rf-st	1	4	-	-
<i>Cercyon ?depressus</i> Stephens	rf	1	-	-	-
<i>Cercyon haemorrhoidalis</i> (Fabricius)	rf-sf	-	6	2	2
<i>Cercyon littoralis</i> (Gyllenhal)	rt	-	1	-	-
<i>Cercyon terminatus</i> (Marsham)	rf-st	-	6	-	-
<i>Cercyon unipunctatus</i> (Linnaeus)	rf-st	-	4	2	1
<i>Cercyon</i> sp. indet.	u	1	1	-	-
<i>Megasternum obscurum</i> (Marsham)	rt	-	8	2	2
<i>Cryptopleurum minutum</i> (Fabricius)	rf-st	-	4	-	-
<i>Hydrobius fuscipes</i> (Linnaeus)	oa-w	-	3	-	-
<i>Anacaena ?globulus</i> (Paykull)	oa-w	-	1	-	-
<i>Anacaena</i> sp.	oa-w	-	6	1	-
<i>Laccobius</i> sp.	oa-w	-	1	-	-
<i>Chaetarthria seminulum</i> (Herbst)	oa-w	-	1	-	-
Hydrophilinae sp.	oa-w	-	1	-	-
<i>Acritus nigricornis</i> (Hoffmann)	rt-st	-	3	1	-
<i>Gnathoncus</i> sp.	rt-sf	-	1	1	-
<i>Gnathoncus</i> sp. A	rt-sf	-	1	-	-
<i>Gnathoncus</i> sp. B	rt-sf	-	1	-	-
<i>Onthophilus striatus</i> (Forster)	rt-sf	-	3	1	-
Histerinae sp.	rt	-	1	1	-
<i>Ochthebius minimus</i> (Fabricius)	oa-w	-	2	-	-
<i>Ochthebius</i> sp.	oa-w	-	1	1	-
<i>Hydraena</i> sp.	oa-w	-	5	-	1
<i>Limnebius truncatellus</i> (Thunberg)	oa-w	-	4	-	-
<i>Limnebius</i> sp. indet.	oa-w	-	2	-	1
<i>Ptenidium</i> sp.	rt	-	6	2	-
<i>Acrotrichis</i> sp.	rt	-	5	1	1
<i>Leiodes</i> sp.	u	-	2	-	-
Leiodidae sp.	u	-	-	1	-
<i>Agathidium</i> sp.	u	-	2	-	-
<i>Catops</i> sp.	u	-	5	1	1
Catopinae sp. indet.	u	-	-	-	1
<i>Thanatophilus ?sinuatus</i> (Fabricius)	rf	-	2	1	-
<i>Silpha atrata</i> Linnaeus	u	-	2	1	-
Scydmaenidae sp.	u	-	5	-	-
Scydmaenidae sp. A	u	-	2	1	-
Scydmaenidae sp. B	u	-	2	1	-
<i>Micropeplus fulvus</i> Erichson	rt	-	7	2	-
<i>Metopsia retusa</i> (Stephens)	u	-	1	-	-
<i>Megarthrus ?depressus</i> (Paykull)	rt-sf	-	1	-	-
<i>Megarthrus</i> sp. indet.	rt	-	4	1	1
<i>Proteinus</i> sp.	rt	-	1	-	-
<i>Anthobium</i> sp.	oa	-	1	-	-
<i>Olophrum piceum</i> (Gyllenhal)	oa	-	9	1	1
<i>Acidota crenata</i> (Fabricius)	oa	-	3	2	-
<i>Acidota cruentata</i> Mannerheim	oa	-	2	-	-
<i>Lesteva heeri</i> Fauvel	oa-d	-	7	2	1

<i>Lesteva longoelytrata</i> (Goeze)	oa-d	-	7	-	-
<i>Phyllodrepa ?floralis</i> (Paykull)	rt-sf	-	2	-	-
<i>Dropephylla vilis</i> (Erichson)	l	-	4	1	-
<i>Dropephylla</i> sp. indet.	u	-	2	-	-
<i>Omalium ?allardi</i> Fairmaire & Brisout	rt	-	4	2	-
<i>Omalium caesum</i> Gravenhorst	rt-sf	-	6	-	-
<i>Omalium excavatum</i> Stephens	rt-sf	-	4	1	-
<i>Omalium ?italicum</i> Bernhauer	rt-sf	-	1	-	-
<i>Omalium caesum</i> or <i>italicum</i>	rt-sf	-	-	1	-
<i>Omalium rivulare</i> (Paykull)	rt-sf	-	8	2	2
<i>Omalium</i> sp. indet.	rt	1	1	-	1
<i>Xylodromus concinnus</i> (Marsham)	rt-st	-	9	2	1
Omaliinae sp. indet.	rt	-	3	1	-
Omaliinae sp. A	u	-	1	-	-
Omaliinae sp. B	u	-	1	-	-
<i>Carpelimus bilineatus</i> Stephens	rt-sf	-	6	-	-
<i>Carpelimus</i> sp.	u	-	1	1	-
<i>Aploderus caelatus</i> (Gravenhorst)	rt	-	1	-	-
<i>Platystethus arenarius</i> (Fourcroy)	rf	1	7	1	2
<i>Anotylus complanatus</i> (Erichson)	rt-sf	1	7	2	2
<i>Anotylus nitidulus</i> (Gravenhorst)	rt	-	5	2	1
<i>Anotylus rugosus</i> (Fabricius)	rt	-	7	1	2
<i>Anotylus sculpturatus</i> group	rt	-	-	-	2
<i>Oxytelus sculptus</i> Gravenhorst	rt-st	1	4	-	-
<i>Stenus</i> sp.	u	-	-	-	2
<i>Stenus</i> sp. A	u	-	10	2	-
<i>Stenus</i> sp. B	u	-	10	2	-
<i>Stenus</i> sp. C	u	-	8	2	-
<i>Stenus</i> sp. D	u	-	8	2	-
<i>Stenus</i> sp. E	u	-	6	-	-
<i>Stenus</i> sp. F	u	-	3	-	-
<i>Stenus</i> sp. G	u	-	3	-	-
<i>Stenus</i> sp. H	u	-	2	-	-
<i>Euaesthetus bipunctatus</i> (Ljungh)	oa	-	6	-	-
<i>Euaesthetus laeviusculus</i> Mannerheim	oa	-	1	-	-
<i>Euaesthetus</i> sp. indet.	oa	-	1	-	-
<i>Lathrobium</i> sp.	u	-	4	-	1
<i>Lathrobium</i> sp. A	u	-	5	1	-
<i>Lathrobium</i> sp. B	u	-	5	1	-
<i>Lathrobium</i> sp. C	u	-	2	-	-
<i>Lathrobium</i> sp. D	u	-	1	-	-
<i>Ochtheophilum</i> sp.	oa-d	-	1	-	-
<i>Othius myrmecophilus</i> Kiesenwetter	rt	-	3	1	-
<i>Othius</i> sp. and sp. indet.	rt	-	5	-	-
<i>Leptacinus ?intermedius</i> Donisthorpe	rt-st	-	1	-	-
<i>Leptacinus ?pusillus</i> (Stephens)	rt-st	1	2	-	-
<i>Leptacinus</i> sp. indet.	rt-st	1	2	-	1
<i>Leptacinus</i> sp. indet. A	rt-st	-	1	-	-
<i>Leptacinus</i> sp. indet. B	rt-st	-	1	-	-
<i>Gyrohypnus angustatus</i> Stephens	rt-st	-	3	1	1
<i>Gyrohypnus fracticornis</i> (Muller)	rt-st	1	8	2	1
<i>Xantholinus linearis</i> (Olivier)	rt-sf	-	4	1	-
<i>Xantholinus longiventris</i> Heer	rt-sf	-	1	-	-
<i>Xantholinus</i> sp?p. indet.	u	-	5	1	1
<i>Neobisnius</i> sp.	u	1	1	-	-

<i>Erichsonius cinerascens</i> (Gravenhorst)	oa-d	-	1	-	-
<i>Philonthus</i> sp.	u	-	2	-	1
<i>Philonthus</i> sp. A	u	-	7	2	1
<i>Philonthus</i> sp. B	u	-	7	2	1
<i>Philonthus</i> sp. C	u	-	4	-	1
<i>Philonthus</i> sp. D	u	-	3	-	-
<i>Philonthus</i> sp. E	u	-	1	-	-
<i>Gabrius</i> sp.	rt	-	1	-	-
<i>Philonthus</i> or <i>Gabrius</i> sp. indet.	u	-	1	-	-
<i>Staphylinus</i> sp.	u	-	1	-	-
? <i>Heterothops</i> sp.	u	-	1	-	-
<i>Quedius boops</i> group	u	-	3	1	-
<i>Quedius cinctus</i> (Paykull)	rt	-	3	-	-
<i>Quedius</i> sp.	u	-	4	1	1
<i>Quedius</i> sp. A	u	-	2	-	-
<i>Quedius</i> sp. B	u	-	2	-	-
Staphylininae sp.	u	-	2	1	1
Staphylininae sp. A	u	-	5	-	-
Staphylininae sp. B	u	-	4	-	-
Staphylininae sp. C	u	-	2	-	-
<i>Mycetoporus</i> sp.	u	-	2	-	-
<i>Mycetoporus</i> sp. A	u	-	1	-	-
<i>Mycetoporus</i> sp. B	u	-	1	-	-
<i>Tachyporus ?hypnorum</i> (Fabricius)	u	-	2	-	-
<i>Tachyporus obtusus</i> (Linnaeus)	u	-	1	-	-
<i>Tachyporus</i> sp.	u	-	2	1	1
<i>Tachyporus</i> sp. A	u	-	3	1	-
<i>Tachyporus</i> sp. B	u	-	3	1	-
<i>Tachinus ?laticollis</i> Gravenhorst	u	-	2	-	-
<i>Tachinus laticollis</i> or <i>marginellus</i>	u	-	1	-	2
<i>Tachinus signatus</i> Gravenhorst	u	-	2	1	1
<i>Tachinus</i> sp. indet.	u	-	2	-	-
<i>Cordalia obscura</i> (Gravenhorst)	rt-sf	-	-	1	-
<i>Falagria</i> or <i>Cordalia</i> sp.	rt-sf	1	2	1	-
<i>Drusilla canaliculata</i> (Fabricius)	u	-	3	-	-
<i>Crataraea suturalis</i> (Mannerheim)	rt-st	-	4	2	-
<i>Aleochara</i> sp.	u	-	4	1	1
Aleocharinae sp.	u	1	-	-	-
Aleocharinae sp. A	u	-	10	2	2
Aleocharinae sp. B	u	-	10	2	2
Aleocharinae sp. C	u	-	10	2	2
Aleocharinae sp. D	u	-	9	2	1
Aleocharinae sp. E	u	-	8	1	1
Aleocharinae sp. F	u	-	7	1	1
Aleocharinae sp. G	u	-	5	1	-
Aleocharinae sp. H	u	-	5	1	-
Aleocharinae sp. I	u	-	1	-	-
Aleocharinae sp. J	u	-	1	-	-
Euplectini sp.	u	-	2	-	-
? <i>Batrisodes</i> sp.	u	-	-	1	-
<i>Pselaphus heisei</i> (Herbst)	u	-	3	2	-
Pselaphidae sp.	u	-	4	-	1
Pselaphidae sp. A	u	-	1	-	-
Pselaphidae sp. B	u	-	1	-	-
<i>Geotrupes</i> sp.	oa-rf	-	5	1	-

<i>Aphodius ?ater</i> (Degeer)	oa-rf	-	2	-	-
<i>Aphodius contaminatus</i> (Herbst)	oa-rf	-	7	1	-
<i>Aphodius fimetarius</i> (Linnaeus)	oa-rf	-	5	-	-
<i>Aphodius prodromus</i> (Brahm)	ob-rf	-	4	2	-
<i>Aphodius sphaelatus</i> (Panzer)	oa-rf	-	5	-	-
<i>Aphodius prodromus</i> or <i>sphaelatus</i>	ob-rf	-	2	-	-
<i>Aphodius</i> sp.	ob-rf	1	4	-	1
<i>Aphodius</i> sp. A	ob-rf	-	3	2	1
<i>Aphodius</i> sp. B	ob-rf	-	3	1	1
<i>Aphodius</i> sp. C	ob-rf	-	2	-	-
<i>Phyllopertha horticola</i> (Linnaeus)	oa-p	-	2	1	-
<i>Dascillus cervinus</i> (Linnaeus)	oa-p	-	2	1	-
<i>Clambus pubescens</i> Redtenbacher	rt-sf	-	1	-	-
<i>Clambus</i> sp.	rt-sf	-	5	2	2
<i>Clambus</i> sp. A	rt-sf	-	1	-	-
<i>Clambus</i> sp. B	rt-sf	-	1	-	-
<i>Cyphon</i> sp.	oa-d	-	4	-	-
Scirtidae sp.	oa-d	-	-	-	1
<i>Simplocaria ?semistriata</i> (Fabricius)	oa-p	-	2	1	-
<i>Simplocaria</i> sp. indet.	oa-p	-	1	-	1
<i>Byrrhus</i> sp.	oa-p	-	1	-	-
Byrrhidae sp. indet.	oa-p	-	1	-	-
<i>Dryops</i> sp.	oa-d	-	1	-	-
<i>Elmis aenea</i> (Muller)	oa-w	-	1	-	-
<i>Hypnoidus riparius</i> (Fabricius)	oa-p	-	3	-	-
<i>Melanotus</i> sp.	l	-	1	-	-
<i>Ctenicera cuprea</i> (Fabricius)	oa-p	-	1	-	-
* <i>Denticollis linearis</i> (Linnaeus) (larva)	u	-	2	-	-
Elateridae sp. indet.	ob	-	3	-	1
Elateridae sp. indet. A	ob	-	2	-	-
Elateridae sp. indet. B	ob	-	2	-	-
*Elateridae sp. indet. (larva)	ob	-	5	-	-
<i>Cantharis ?lateralis</i> Linnaeus	ob	-	1	-	-
<i>Cantharis</i> sp.	ob	-	1	-	-
<i>Cantharis</i> or <i>Rhagonycha</i> sp. indet.	ob	-	1	-	-
Cantharidae sp. indet. A	ob	-	1	-	-
Cantharidae sp. indet. B	ob	-	1	-	-
<i>Grynobius planus</i> (Fabricius)	l	-	2	1	-
<i>Anobium punctatum</i> (Degeer)	l-sf	-	4	2	-
<i>Tipnus unicolor</i> (Piller & Mitterpacher)	rt-ss	-	8	2	-
<i>Ptinus fur</i> (Linnaeus)	rd-sf	-	7	2	-
<i>Ptinus</i> sp. indet.	rd-sf	1	1	-	-
<i>Brachypterus</i> sp.	oa-p	-	2	1	-
<i>Meligethes</i> sp.	oa-p	-	2	1	-
<i>Meligethes</i> sp. A	oa-p	-	1	-	-
<i>Meligethes</i> sp. B	oa-p	-	1	-	-
<i>Omosita colon</i> (Linnaeus)	rt-sf	-	1	1	-
<i>Monotoma longicollis</i> (Gyllenhal)	rt-st	1	3	-	-
<i>Monotoma picipes</i> Herbst	rt-st	-	2	-	-
<i>Monotoma</i> sp. indet.	rt-sf	-	2	2	-
<i>Cryptophagus acutangulus</i> (Gyllenhal)	rd-sf	-	1	1	1
<i>Cryptophagus scutellatus</i> Newman	rd-st	-	5	2	-
<i>Cryptophagus</i> sp.	rd-sf	1	1	-	2
<i>Cryptophagus</i> sp. A	rd-sf	-	8	2	-
<i>Cryptophagus</i> sp. B	rd-sf	-	8	2	-

<i>Cryptophagus</i> sp. C	rd-sf	-	6	1	-
<i>Cryptophagus</i> sp. D	rd-sf	-	2	-	-
<i>Cryptophagus</i> sp. E	rd-sf	-	1	-	-
<i>Atomaria</i> sp.	rd	1	2	1	2
<i>Atomaria</i> sp. A	rd	-	6	1	-
<i>Atomaria</i> sp. B	rd	-	6	1	-
<i>Atomaria</i> sp. C	rd	-	2	1	-
<i>Atomaria</i> sp. D	rd	-	-	1	-
<i>Ephistemus globulus</i> (Paykull)	rd-sf	-	1	1	-
<i>Anommatus duodecimstriatus</i> (Muller)	rt-st	-	2	-	-
<i>Orthoperus</i> sp.	rt	-	7	2	1
? <i>Aphidecta obliterated</i> (Linnaeus)	oa-p	-	1	-	-
Coccinellidae sp.	oa-p	-	1	-	-
<i>Mycetaea hirta</i> (Marsham)	rd-ss	-	3	-	-
<i>Lathridius minutus</i> group	rd-st	1	10	2	1
<i>Dienerella</i> sp.	rd-sf	-	2	-	-
<i>Corticaria</i> sp.	rt-sf	-	1	-	1
<i>Corticaria</i> sp. A	rt-sf	-	9	2	1
<i>Corticaria</i> sp. B	rt-sf	-	9	2	1
<i>Corticaria</i> sp. C	rt-sf	-	7	2	-
<i>Corticaria</i> sp. D	rt-sf	-	2	-	-
<i>Corticarina</i> sp.	rt	-	1	-	-
<i>Corticarina</i> or <i>Cortinicara</i> sp. sp. indet.	rt	-	4	-	-
<i>Typhaea stercorea</i> (Linnaeus)	rd-ss	1	-	-	-
<i>Aglenus brunneus</i> (Gyllenhal)	rt-ss	-	4	2	-
<i>Rhinosimus planirostris</i> (Fabricius)	l	-	3	1	-
<i>Anthicus floralis</i> or <i>formicarius</i>	rt-st	-	-	1	-
<i>Bruchus rufimanus</i> Boheman	st	-	-	1	1
<i>Bruchus</i> sp. indet.	u	-	3	-	1
<i>Plateumaris</i> sp.	oa-d-p	-	4	-	1
Donaciinae sp.	oa-d-p	-	3	1	-
<i>Chrysolina fastuosa</i> (Scopoli)	oa-p	-	3	-	-
<i>Chrysolina</i> sp. indet.	oa-p	-	-	1	-
? <i>Gastrophysa viridula</i> (Degeer)	oa-p	-	-	1	-
? <i>Gastrophysa</i> sp. indet.	oa-p	-	2	-	-
Chrysomelinae sp.	oa-p	-	1	-	1
<i>Gallerucella tenella</i> (Linnaeus)	oa-p	-	1	-	-
<i>Galerucella</i> sp.	oa-p	-	-	1	-
<i>Lochmaea suturalis</i> (Thomson)	oa-p-m	-	1	1	-
<i>Phyllotreta</i> sp.	oa-p	-	2	-	-
<i>Longitarsus</i> sp.	oa-p	-	3	1	1
<i>Longitarsus</i> sp. A	oa-p	-	1	-	-
<i>Longitarsus</i> sp. B	oa-p	-	1	-	-
<i>Altica</i> ? <i>britteni</i> Sharp	oa-p-m	-	1	-	-
<i>Altica</i> sp. indet.	oa-p	-	5	-	-
<i>Chaetocnema arida</i> group	oa-p	-	4	-	-
<i>Chaetocnema concinna</i> (Marsham)	oa-p	-	3	-	1
<i>Psylliodes</i> sp.	oa-p	-	2	-	-
<i>Apion (Erythrapion) haematodes</i> Kirby	oa-p	-	1	-	-
<i>Apion (Erythrapion)</i> sp. indet.	oa-p	-	1	-	-
<i>Apion</i> sp.	oa-p	-	3	-	-
<i>Apion</i> sp. A	oa-p	-	1	-	-
<i>Apion</i> sp. B	oa-p	-	1	-	-
<i>Otiorhynchus ovatus</i> (Linnaeus)	oa-p	-	1	-	-
<i>Otiorhynchus</i> sp. indet.	oa-p	-	1	-	-

<i>Strophosomus sus</i> Stephens	oa-p-m	-	3	-	-
<i>Strophosomus</i> sp. and sp. indet.	oa-p	-	2	1	-
<i>Barynotus</i> sp.	oa-p	-	-	1	-
<i>Sitona lepidus</i> Gyllenhal	oa-p	-	2	-	-
<i>Sitona</i> sp.	oa-p	-	2	1	-
<i>Hypera</i> sp.	oa-p	-	2	1	-
<i>Eremotes ater</i> (Linnaeus)	l	-	1	-	-
<i>Sitophilus granarius</i> (Linnaeus)	g-ss	-	1	-	1
<i>Notaris acridulus</i> (Linnaeus)	oa-d-p	-	1	1	-
<i>Micrelus ericae</i> (Gyllenhal)	oa-p-m	-	9	2	1
<i>Cidnorhinus quadrimaculatus</i> (Linnaeus)	oa-p	-	2	-	-
<i>Ceutorhynchus contractus</i> (Marsham)	oa-p	-	4	-	-
<i>Ceutorhynchus</i> sp.	oa-p	-	3	1	-
Ceuthorhynchinae sp. indet.	oa-p	-	2	-	-
Ceuthorhynchinae sp. indet. A	oa-p	-	-	1	-
Ceuthorhynchinae sp. indet. B	oa-p	-	-	1	-
<i>Limnobaris ?t-album</i> (Linnaeus)	oa-p-d	-	2	-	-
<i>Limnobaris</i> sp. indet.	oa-p-d	-	2	-	-
<i>Anthonomus brunnipennis</i> (Curtis)	oa-p	-	3	-	-
Curculionidae sp. indet.	oa	1	2	1	-
Curculionidae sp. indet. A	oa	-	1	-	1
Curculionidae sp. indet. B	oa	-	2	-	1
<i>Dryocoetinus villosus</i> (Fabricius)	l	-	1	-	-
<i>Scolytidae</i> sp.	l	-	1	-	-
Coleoptera sp.	u	-	2	-	-
*Coleoptera sp. (larva)	u	1	9	2	2
Hymenoptera					
*Chalcidoidea sp.	u	-	5	1	1
*Proctotrupoidea sp.	u	-	8	-	-
*Hymenoptera Parasitica sp.	u	-	4	2	-
* <i>Apis mellifera</i> Linnaeus	u	-	1	-	-
*Apoidea sp. indet.	u	-	-	1	-
*Formicidae sp.	u	-	7	1	2
*Hymenoptera sp.	u	-	8	1	2
*Insecta sp. (larva)	u	-	1	-	1
*Insecta sp. (immature)	u	-	1	-	-
Arachnida					
*Aranae sp.	u	-	7	2	1
*Acarina sp.	u	1	10	2	2
Bryozoa					
* <i>Cristatella mucedo</i> Cuvier (statoblast)	w	-	1	-	-

Table 4. Records of plant taxa and other materials likely to have been useful in one or more ways to the inhabitants of medieval Aberdeen. The numbers are total abundance scores for all the separately recorded parts recovered for each site, regardless of phase. Scores for separately recorded charred and uncharred material have also been aggregated (except for *Calluna*). Nomenclature and taxonomic order as for Table 2. The list excludes parts of trees which may represent structural timber or brushwood for construction or fuel, for example, as well as wood charcoal. Some records of tentatively identified material have also been omitted. Records for material examined during previous investigations at seven sites are also included on the same basis: E21—43-57 Upper Kirkgate, E25—53-9 Gallowgate, E29—(behind) 30-46 Upper Kirkgate; E34—Gallowgate Middle School; and E35—16-18 Netherkirkgate (all studied by ARH); and QS—Queen St. and SPS—St Paul St., both studied by Fraser and Dickson (1982), with taxa shown only as present (+) or absent. Where taxa have not been recorded during the latest investigations, they are marked with a ‘*’ against the name, whilst taxa recorded latterly but not previously are marked ‘+’.

Site code	THIS STUDY										PREVIOUS STUDIES						
	E15	E19	E21	E34	E35	E37	E38	E45	E47	E58	E21	E25	E29	E34	E35	QS	SP
No. contexts examined	3	14	14	15	6	4	11	2	4	4	1	11	17	4	6	5	29
No. samples examined	3	14	14	15	6	6	20	2	4	4	1	15	17	5	6	9	29
Taxon and parts recorded																	
<i>Pteridium aquilinum</i> (bracken: vegetative parts)	-	3	-	-	2	8	-	1	-	1	-	16	4	5	5	+	+
+ <i>Juglans regia</i> (walnut: nutshell)	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
<i>Corylus avellana</i> (hazelnut: nutshell)	1	1	-	17	5	-	4	-	1	-	-	11	4	3	5	+	+
<i>Ficus carica</i> (fig: seeds)	2	3	-	2	-	-	1	-	-	-	-	-	5	-	-	+	+
<i>Cannabis sativa</i> (hemp: achenes)	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
* <i>Papaver somniferum</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	+
<i>Brassica rapa</i> (‘turnip’: seeds)	3	-	-	6	3	-	2	-	-	-	1	5	2	2	2	-	-
<i>Reseda luteola</i> (weld: seeds)	1	-	-	-	1	-	2	-	-	-	2	6	-	-	-	+	+
<i>Rubus idaeus</i> (raspberry: seeds)	-	-	-	1	2	-	1	-	-	-	-	1	3	-	-	+	+
<i>R. fruticosus</i> agg. (blackberry: seeds)	-	-	-	1	-	-	2	-	-	-	-	2	5	-	-	+	+
<i>Fragaria</i> cf. <i>vesca</i> (strawberry: achenes)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	+
<i>Malus sylvestris</i> (apple: endocarp (‘core’))	-	-	-	-	-	-	2	-	-	-	-	2	2	-	-	-	-
* (seeds)	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-
<i>Sorbus aucuparia</i> (rowan: seeds)	-	-	-	-	2	-	2	-	-	-	-	3	4	-	-	+	+
<i>Linum usitatissimum</i> (linseed: seed fragments)	-	-	-	-	-	-	3	-	-	-	-	9	3	3	-	-	-
* (capsule fragments)	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-
+ <i>Buxus sempervirens</i> (box: leaf)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Vitis vinifera</i> (grape: seeds)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+

* <i>Coriandrum sativum</i> (coriander: mericarp fragments)	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
* <i>Vaccinium</i> sp(p). (bilberry, etc.: seeds)	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	1	+	+
<i>Empetrum</i> sp(p). (crowberry: seeds)	-	-	-	-	-	-	1	-	-	-	-	-	2	2	-	-	+	-
* <i>Allium</i> sp(p). (leek/onion: leaf epidermis fragments)	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-
Gramineae/Cerealia (grass/cereal culm and cum-nodes—'straw')	2	-	1	1	6	6	-	-	1	-	-	15	3	4	-	-	-	-
Cerealia indet. (cereals: charred grains)	1	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
(chaff)	1	2	-	2	4	-	-	-	-	1	-	3	-	3	7	-	-	-
<i>Triticum 'aestivo-compactum'</i> (bread/club wheat: charred grains)	-	-	1	2	-	-	-	-	1	-	-	-	1	-	-	-	-	-
<i>Triticum</i> sp(p). (wheat: charred grains)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Triticum/Secale</i> (wheat/rye: 'bran' fragments/ uncharred caryopses)	-	-	-	-	1	-	2	-	-	-	-	-	5	6	1	3	+	+
* <i>Secale cereale</i> (rye: charred grains)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-
<i>Hordeum</i> sp(p). (barley: charred grains)	3	-	3	2	-	-	-	-	1	1	-	-	1	1	-	-	+	+
* ('bran' fragments)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+
* (charred/waterlogged chaff)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+
<i>Avena sativa</i> (cultivated oats: charred spikelets/spikelet fragments)	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	+	+
* (waterlogged spikelets/spikelet fragments)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	+	+
<i>Avena</i> sp(p). (oats: charred grains or spikelets/spikelet fragments)	3	1	2	9	2	2	2	1	1	2	-	3	-	-	1	-	-	-
* ('bran' fgts)	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	+	+
* (charred and waterlogged chaff)	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-

Site code	E15	E19	E21	E34	E35	E37	E38	E45	E47	E58	E21	E25	E29	E34	E35	QS	SP
Peatland resources/indicators:																	
<i>Erica cinerea</i> (bell heather: seeds)	1	-	-	1	-	-	-	-	-	-	-	-	1	2	-	-	-
(leaves)	-	-	-	-	2	-	-	-	-	-	-	1	-	1	3	+	+
* <i>E. tetralix</i> (cross-leaved heath: seeds)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	+	+
(leaves)	1	-	-	1	-	-	1	-	-	-	-	2	-	2	-	+	+
* (capsules)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+

<i>Calluna vulgaris</i> (heather: all parts combined)	7	1	5	27	27	31	1	-	15	3	1	23	17	12	14	+	+
(buds)	-	-	-	-	1	-	-	-	1	-	-	-	-	-	2	-	-
(charred buds)	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
(capsules)	-	-	-	1	-	-	-	-	-	-	-	2	-	1	-	-	-
(charred capsules)	-	-	-	-	1	2	-	-	2	-	-	-	-	-	-	-	-
(flowers)	1	-	-	10	6	-	-	-	-	-	-	7	4	4	6	+	+
(charred flowers)	-	-	-	-	-	5	-	-	-	1	-	-	-	-	-	-	-
(leaves)	1	-	-	2	2	-	-	-	1	-	-	1	2	-	-	-	+
(charred leaves)	1	-	1	-	-	4	-	-	1	-	-	-	3	1	-	-	+
(part-charred leaves)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(charred root/basal twig fragments)	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
* (seeds)	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	+
(shoot fragments)	2	-	-	7	6	-	-	-	-	-	-	10	2	3	6	+	+
(charred shoot fragments)	-	1	-	1	-	4	-	-	5	-	1	1	4	1	-	-	+
(part-charred shoot fragments)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
* (mineralised shoot fragments)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
(shoot tips)	1	-	-	1	7	-	1	-	2	-	-	-	-	-	-	-	-
(charred shoot tips)	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
(part-charred shoot tips)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(twig fragments)	-	-	-	4	4	-	-	-	-	-	-	1	1	-	-	+	+
(charred twig fragments)	1	-	4	1	-	9	-	-	-	-	-	-	-	-	-	-	-
cf. <i>C. vulgaris</i> (?heather: all parts combined)	5	3	10	24	6	-	4	1	4	3	1	10	3	3	3	-	-
(root/basal twig fragments)	1	-	-	12	6	-	-	-	-	-	-	10	1	3	3	-	-
(charred root/basal twig fragments)	2	3	9	11	-	-	3	1	4	3	1	-	2	-	-	-	-
(shoot fragments)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
(charred shoot fragments)	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Myrica gale</i> (sweet gale/bog myrtle: leaf fragments, fruits, twigs)	-	-	-	30	6	-	-	-	-	-	-	9	-	12	3	-	+
<i>Eriophorum vaginatum</i> (common cotton-grass: leaf sheath fibres, rhizome fragments and sclerenchyma spindles)	-	-	-	3	1	-	-	-	-	-	1	9	-	1	4	+	+

Sphagnum mosses: all leaves and/or shoot fragments

<i>Sphagnum palustre</i>	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	+	+
<i>S. papillosum</i>	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	+	+
<i>S. squarrosum</i>	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum</i> sp(p). (all parts)	-	-	-	31	21	-	8	-	-	-	-	14	10	15	12	-	+

Peat

<i>Sphagnum</i> peat fragments	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
amorphous peat fragments	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
peat fragments	3	5	9	39	20	-	10	1	-	1	1	3	1	1	3	-	-
?peat fragments	-	2	1	-	1	-	3	-	-	-	-	-	-	2	2	-	-
peat fragments (charred)	3	5	14	7	-	-	3	1	-	2	2	4	2	1	-	-	-
?peat fragments (charred)	-	2	5	1	1	-	-	-	1	-	-	-	-	-	-	-	-
peat/mor humus	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
?peat/mor humus	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-
?peat/mor humus (charred)	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-
?peat ash	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5. Lists of plant remains and other components of the samples (recorded during investigation of plant remains) from medieval deposits from Aberdeen analysed in the present study, by site, context and sample. For each record, the number in the second column gives the score for abundance on a four-point semi-quantitative scale (for /T subsamples) or a three-point scale (in the case of /SPT and /BS subsamples). The third column provides some additional information about the material, often relating to size of the largest fragments or clasts. The nature of preservation was usually anoxic waterlogging except where explicitly stated otherwise—except for cereal grains, where the material was charred unless otherwise indicated.

Key to abbreviations: *af*—achene fragments; *b*—buds; *b/bs*—buds/bud-scales; *caps*—capsules; *cbs*—culm-bases; *ch*—charred; *clstgns*—cleistogenes; *c/n*—culm-nodes; *epid*—epidermis; *fcs*—female cone scales; *ff*—fruit fragments; *fgts*—fragments; *fls*—flowers; *fr*—fruits; *imm*—immature; *inc*—including; *lef*—leaf epidermis fragments; *lf*—leaf; *lfless*—leafless; *lvs*—leaves; *min*—mineral-replaced; *mstly*—mostly; *not pap/imb*—*Sphagnum* species, not *S. papillosum* or *S. imbricatum*; *per*—perianth; *pet*—petals; *pinn*—pinnule; *psf*—pod segments/fragments; *resp proc*—respiratory processes; *rh*—rhizome; *rt-tw*—root/basal twig; *s*—seeds; *scl sp*—sclerenchyma spindles; *sf*—seed fragments; *sht*—shoot; *shth*—sheath; *spec*—specimen; *spklts*—spikelets; *spr*—sprouted specimens; *st*—stem; *tw*—twig; *undisagg*—undisaggregated; *v dec*—*v dec*.

SITE E15: NO 3 BONDED WAREHOUSE, VIRGINIA ST		cf. <i>Calluna vulgaris</i> (ch rt-tw fgts)	2 max 20 x 5
		charcoal	1 max 10 mm
E15, Context 26, Sample 26/T (2.024 kg)		coal	2 max 15 mm
<i>Avena</i> sp(p).	1	feather fgts	1
<i>Bilderdykia convolvulus</i> (ff)	1	fish bone	1 max 15 mm
<i>Calluna vulgaris</i> (ch lvs)	1	fly puparia	2
<i>Calluna vulgaris</i> (ch tw fgts)	1 max 5 mm	gravel	2 max 55 mm
<i>Calluna vulgaris</i> (lvs)	1	grit	3
<i>Calluna vulgaris</i> (sht tips)	1	moss	1
<i>Cenococcum</i> (sclerotia)	1	moss (ch st fgts)	1
<i>Chenopodium album</i>	1	? <i>Myxotrichum</i> sp(p).	1
<i>Erica tetralix</i> (ch lvs)	1	peat fgts	1 max 10 mm
<i>Ficus carica</i>	1	peat fgts (ch)	1 max 10 mm
<i>Galeopsis</i> Subgenus <i>Galeopsis</i>	1	pottery	1 max 30 mm
Gramineae/Cerealialia (ch culm fgts)	1	sand	3
<i>Hordeum</i> sp(p).	1 single spec	unwashed peaty sediment	3 max 20 mm
<i>Hylocomium splendens</i>	1	?wool	1
<i>Hypnum</i> cf. <i>cupressiforme</i>	1		
<i>Juncus</i> sp(p).	1		
<i>Lemna</i> sp(p). (fronds)	1	E15, Context 57, Sample 57/SPT (0.05 kg)	
<i>Polygonum aviculare</i> agg.	1	fly puparia	1 fgts only
<i>Polygonum lapathifolium</i>	1	sand	1
<i>Polygonum persicaria</i>	2 inc fgts	unwashed peaty sediment	3
<i>Polytrichum</i> sp(p). (sht fgts)	1		
<i>Rumex acetosella</i> agg.	1		
<i>Spergula arvensis</i>	1	E15, Context 103, Sample 103/T (3.08 kg)	
<i>Stellaria media</i>	2 inc fgts	<i>Agrostemma githago</i> (sf)	1
<i>Thlaspi arvense</i>	1 inc fgts	<i>Alnus glutinosa</i>	1
<i>Vitis vinifera</i>	1	<i>Avena</i> cf. <i>fatua</i> (spklts/fgts)	1
		<i>Avena</i> cf. <i>sativa</i> (spklts/fgts)	1
animal bristles	2	<i>Avena</i> sp(p).	2
animal hairs	2	<i>Avena</i> sp(p). (part-ch spklts/fgts)	1
beetles	1	<i>Avena</i> sp(p). (spklts/fgts)	1
bivalve periostracum	1	<i>Betula</i> sp(p).	1
bone fgts	1 max 70 mm	<i>Bilderdykia convolvulus</i>	2
burnt fish bone	1 max 2 mm	Boraginaceae	1

Cenococcum (ch sclerotia)	1
Cerealia indet. (awns)	1
Polygonum persicaria (ch)	1
Potamogeton sp(p). (ch)	1
Pteridium aquilinum (ch pinn fgts)	1
Spergula arvensis (ch)	1

bark fgts (ch)	1 max 5 mm
charcoal	1 max 15 mm
charred organic material	1 max 2 mm
concreted sediment	1
glassy ash	1
gravel	2 max 30 mm
grit	2
peat fgts (ch)	2 max 10 mm
root casts	1 max 20 mm
sand	2

E19, Context 279, Sample 279/T (1.226 kg)

Corylus avellana (ch)	1 max 5 mm
cf. Avena sp(p).	1 a single
fragment	

charcoal	1 max 5 mm
gravel	1 max 10 mm
peat fgts	1 max 5 mm
peat fgts (ch)	1 max 3 mm
sand	2

E19, Context 314, Sample 314/T (1.1 kg)

Ficus carica	1
bone fgts	1 max 10 mm
charcoal	1 max 2 mm
?faecal concretions	3 max 25 mm
fish bone	1 max 10 mm
gravel	1 max 40 mm
grit	2
sand	3

E19, Context 315, Sample 315/T (1.68 kg)

cf. Cerealia indet.	1 single spec
charcoal	1 max 10 mm
gravel	1 max 20 mm
grit	2
peat fgts	1 max 5 mm
sand	2

E19, Context 322, Sample 322/T (1.1 kg)

?burnt soil	1
gravel	2 max 25 mm
grit	3
peat fgts (ch)	1 max 3 mm
sand	3

E19, Context 323, Sample 323/T (1.15 kg)

?peat fgts (ch)	1 max 5 mm
charcoal	1 max 10 mm
fish bone	1 max 3 mm
gravel	3 max 25 mm
grit	3
sand	3

E19, Context 324, Sample 324/T (0.43 kg)

charcoal	1 max 10 mm
gravel	1 max 25 mm
grit	2
sand	2

E19, Context 336, Sample 336/SPT (0.5 kg)

Ficus carica	2 v dec
bone fgts	1 max 2 mm
charcoal	1 max 2 mm
concretions	1 max 5 mm
gravel	1 max 15 mm
insect cuticle	1 v dec
sand	2

E19, Context 345, Sample 345/SPT (0.2 kg)

gravel	1 max 15 mm
peat fgts	3 max 15 mm
sand	1

E19, Context 10041, Sample 10041/T (1.48 kg)

Cerealia indet. (awns)	1
Quercus sp(p). (wood)	1 max 30 mm
charcoal	1 max 5 mm
gravel	1 max 15 mm
grit	2
?peat fgts	2 max 10 mm
?peat fgts (ch)	1 max 5 mm
sand	2
wood fgts	1 v dec max 5

SITE E21: 43-57 UPPERKIRKGATE

E21, Context 2, Sample 2/T (1.204 kg)

Avena sp(p).	1
bivalve periostracum	1
Cenococcum (sclerotia)	1
gravel	2 max 35 mm
grit	2
peat fgts	2 max 5 mm
peat fgts (ch)	2 max 15 mm
sand	2
twig fgts (ch)	1 max 5 mm

E21, Sample 6, Context 6/T (0.775 kg)

Calluna vulgaris (ch lvs)	1
Calluna vulgaris (ch tw fgts)	1
cf. Calluna vulgaris (ch rt-tw fgts)	2 max 10 mm
?burnt peat fgts	1 max 5 mm
charcoal	1 max 10 mm
coal	1 max 5 mm
gravel	2 max 25 mm
grit	2
sand	1

E21, Context 7, Sample 7/T (0.64 kg)

cf. Calluna vulgaris (ch rt-tw fgts)	1 max 20 mm
?burnt peat fgts	1 max 5 mm
burnt fish bone	1 max 2 mm
Cenococcum (sclerotia)	1
coal	1 max 15 mm
fish bone	1 max 15 mm
gravel	1 max 5 mm
grit	2
sand	1

E21, Context 8, Sample 8/T (1.02 kg)

Calluna vulgaris (ch tw fgts)	1
Carex sp(p). (ch stem fgts)	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 25 mm
?burnt peat fgts	2 max 5 mm
baked clay/daub	1 max 25 mm
charcoal	1 max 5 mm
gravel	1 max 10 mm
grit	2
sand	1

E21, Context 36, Sample 36/T (1.666 kg)

charcoal	1 max 2 mm
gravel	1 max 5 mm
grit	1
peat fgts	4 max 45 mm
sand	2

E21, Context 68, Sample 68/T (1.208 kg)

cf. Calluna vulgaris (ch rt-tw fgts)	1
bivalve periostracum	1 max 35 mm
Cenococcum (sclerotia)	1
charcoal	1 max 10 mm
coal	1 max 3 mm
gravel	2 max 30 mm
herbaceous detritus (ch)	1 max 5 mm
peat fgts	1 max 5 mm
peat fgts (ch)	1 max 10 mm
sand	2

E21, Context 70, Sample 70/T (1.706 kg)

cf. Calluna vulgaris (ch rt-tw fgts)	2
cf. Calluna vulgaris (ch sht fgts)	1
Lemna sp(p). (fronds)	1 single spec
Quercus sp(p). (charcoal)	1 max 30 mm
baked clay/daub	1 max 10 mm
bivalve periostracum	1
Cenococcum (sclerotia)	1
charcoal	1 max 10 mm
gravel	2 max 15 mm
?peat ash	1 max 5 mm
peat fgts	2 max 2 mm
peat fgts (ch)	2 max 10 mm
pottery	1 max 40 mm
sand	3

E21, Context 109, Sample 109/T (0.588 kg)

Calluna vulgaris (ch tw fgts)	1 max 15 mm
charcoal	1 max 10 mm
gravel	1 max 10 mm
grit	1
peat fgts (ch)	3 max 10 mm
sand	2

E21, Context 117, Sample 117/T (0.732 kg)

Cerealia indet.	1
?burnt soil	1 max 5 mm
charcoal	1 max 5 mm
gravel	1 max 15 mm
peat fgts (ch)	3 max 15 mm
sand	2
stone	1 max 50 mm

E21, Context 210, Sample 210/T (1.234 kg)

Atriplex sp(p). (ch)	1
Calluna vulgaris (ch tw fgts)	1 leafless
cf. Calluna vulgaris (ch rt-tw fgts)	2 max 15 mm
Carex sp(p). (ch)	1
Gramineae (ch)	1
Hordeum sp(p).	1
Polygonum aviculare agg. (ch)	1
Ranunculus Sec. Ranunculus (ch)	1
Triticum sp(p).	1 v small types
burnt bone fgts	1 max 10 mm
charcoal	2 max 15 mm
gravel	2 max 25 mm
grit	2
herbaceous detritus (ch)	2 max 5 mm
root/rhizome fgts (ch)	1 max 5 mm
sand	2

E21, Context 225, Sample 225/T (1.738 kg)

Avena sp(p).	1
Cerealia indet.	1
Gramineae/Cerealia (ch c/n)	1
Hordeum sp(p).	1
charcoal	2 max 20 mm
gravel	2 max 55 mm
grit	3
iron-rich concretions	2 max 3 mm
root/rootlet fgts (?modern)	1
sand	3
twig fgts	1 max 15 mm

E21, Context 226, Sample 226/T (0.584 kg)

Triticum aestivo-compactum	1
cf. Betula (charcoal)	1 max 15 mm
cf. Hordeum sp(p).	1
charcoal	2 max 15 mm
concreted sediment	2 max 3 mm
gravel	1 max 30 mm
grit	3
?mortar	1 max 35 mm
sand	3

E21, Context 229, Sample 229/T (0.806 kg)

Hordeum sp(p).	1 single spec
?peat fgts	1 max 3 mm
?peat fgts (ch)	1 max 3 mm
charcoal	1 max 10 mm
gravel	3 max 35 mm
grit	3
sand	3

E21, Context 1571, Sample 1571/SPT (0.1 kg)

gravel	1 max 5 mm
peat fgts (ch)	3 max 30 mm
sand	1

SITE E34: GALLOWGATE MIDDLE SCHOOL

E34, Context 14, Sample 34/T (2.48 kg)

Aulacomnium palustre	1
Avena sp(p). (w/l)	1
Carex sp(p).	1
Chenopodium album	1
Descurainia sophia	1 a single fgt
Galeopsis Subgenus Galeopsis	1
Gramineae	1
Hypnum cf. cupressiforme	1
Juncus bufonius	2
Lamium Section Lamiopsis	1
Lapsana communis	1
Polygonum aviculare agg.	1

Polygonum lapathifolium	1
Polygonum persicaria	2
Potentilla cf. erecta	2
Potentilla palustris	1
Quercus sp(p). (b/bs)	1
Ranunculus Section Ranunculus	1
Ranunculus sceleratus	1
Raphanus raphanistrum (s)	1 fgts only
Rhytidiadelphus sp(p).	1
Rubus idaeus	1
Rumex acetosella agg.	2
Rumex sp(p).	1
Sonchus asper	1
Spergula arvensis	1
Sphagnum sp(p). (lvs)	2
Stellaria media	1
Thlaspi arvense	1 fgts only
Viola sp(p).	1

antler/bone/horn shavings	1 max 15 mm
bark fgts	1 max 10 mm
beetles	2
charcoal	1 max 10 mm
earthworm egg caps	1
fly puparia	1
gravel	2 max 70 mm
grit	2
mites	1
moss (lfless stems)	1
peat fgts	1 max 10 mm
cf. Rosellinia sp(p).	1
sand	3
twig fgts	1 max 10 mm
wood chips	1 max 15 mm
wood fgts	2 v dec, max 10 mm

E34, Context 22, Sample 28/T(3 kg)

Aulacomnium palustre	1
Avena sp(p).	1
cf. Calluna vulgaris (rt-tw fgts)	1 max 5 mm
Carex sp(p).	1
Cenococcum (sclerotia)	2
Corylus avellana	1
Galeopsis Subgenus Galeopsis	1
Hypnum cf. cupressiforme	1
Ranunculus flammula	1
Rumex acetosella agg.	1
Scleranthus annuus	1
Stellaria media	1
bark fgts	1 max 10 mm
beetles	1
charcoal	1 max 5 mm
cinders	1 max 5 mm
fine plant detritus	2
fly puparia	1
gravel	2 max 50 mm
grit	1

moss (lfless stems)	1
peat fgts	4 max 10 mm
?peat fgts (ch)	1 max 5 mm
sand	2
twig fgts	1 max 5 mm
wood fgts	2 v dec, max 10

E34, Context 33, Sample 37/T (2.212 kg)

Avena sp(p).	1
Calluna vulgaris (ch tw fgts)	1
Calluna vulgaris (sht fgts)	1
cf. Calluna vulgaris (ch rt-tw fgts)	2 max 5 mm
Carex sp(p).	1
Cenococcum (ch sclerotia)	1
Ficus carica	1
Galeopsis Subgenus Galeopsis	1
Gramineae	1
Gramineae (ch)	1 v small types
Gramineae/Cerealia (ch c/n)	1
Hordeum sp(p).	1
Plantago lanceolata (ch)	1
Polygonum persicaria	1
Ranunculus Section Ranunculus	1 v dec
Ranunculus sceleratus	1
Rumex acetosella agg.	1
Rumex acetosella agg. (ch)	1
Rumex sp(p).	1
Stellaria media	1
Urtica dioica	1

baked clay/daub	2 max 10 mm
beetles	1
charcoal	1 max 10 mm
fly puparia	2 fgts only
gravel	2 max 50 mm
grit	2
?herbaceous detritus (ch)	1
insect cuticle	1
mites	1
moss (lfless stems)	1
part-burnt wood	1 max 65 mm
peat/mor humus	1 max 2 mm
sand	3
wood fgts	1 v dec max 10

E34, Context 60, Sample 13/T (3 kg)

Avena sp(p).	1 single spec
Brassica sp(p).	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 5 mm
cf. Calluna vulgaris (sht fgts)	1 leafless
Cenococcum (sclerotia)	1
Chrysanthemum segetum	1
Conium maculatum	1
Corylus avellana	1
Ficus carica	1
Galeopsis Subgenus Galeopsis	1
Hylocomium splendens	1
Polygonum persicaria	1

Potentilla cf. erecta	1
Raphanus raphanistrum (psf)	1
Rumex acetosella agg.	1
Rumex sp(p). (ch)	1
Sphagnum sp(p). (st fgts)	1
Stellaria media	1
Urtica dioica	1

bark fgts	1 max 25 mm
beetles	2
bivalve periostracum	1
bone fgts	1 max 25 mm
coal	1 max 2 mm
earthworm egg caps	2
fly puparia	1
fungal sclerotia	2
gravel	1 max 20 mm
grit	1
moss (ch st fgts)	1
moss (lfless stems)	1
peat fgts	3 max 15 mm
pottery	1
sand	2
wood fgts	1 max 10 mm

E34, Context 70, Sample 3/T (3 kg)

Calluna vulgaris (ch sht fgts)	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 5 mm
cf. Calluna vulgaris (rt-tw fgts)	2 max 35 x 5
Carex sp(p).	1
Danthonia decumbens (spkltts/ clstgns)	1
Hypnum cf. cupressiforme	1
Potentilla cf. erecta	1
beetles	2
bug wings	2
earthworm egg caps	1
gravel	1 max 10 mm
grit	1
mites	1
moss (lfless stems)	1
peat fgts	3 max 5 mm
rhizome fgts	1 max 5 mm
sand	1

E34, Context 81, Sample 2/T (3 kg)

Antitrichia curtipendula	1
Atriplex sp(p).	1
Aulacomnium palustre	1
Bilderdykia convolvulus (ff)	1
Calliergon cf. giganteum	1
Calliergon cuspidatum	1
Calluna vulgaris (fls)	1
Calluna vulgaris (lvs)	1
Calluna vulgaris (sht tips)	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 10 mm
Capsella bursa-pastoris	1

Carex sp(p).	1	Corylus avellana	1
Cenococcum (sclerotia)	2	Corylus avellana (ch)	1
Cerastium sp(p).	1	Galeopsis Subgenus Galeopsis	1
Chenopodium album	2	Hordeum sp(p).	1
Corylus avellana	1	Knautia arvensis (ff)	1
Corylus avellana (ch)	1	Polygonum lapathifolium	1
Daphnia (ephippia)	1	Polygonum persicaria	1
Dicranum sp(p).	1	Potentilla cf. erecta	1
Eleocharis palustris sl	1	Ranunculus flammula	1
Erica cinerea	1	Raphanus raphanistrum (psf)	1
Eriophorum vaginatum (rh fgts)	1	Rumex acetosella agg.	1
Galeopsis Subgenus Galeopsis	2	Rumex sp(p).	1
Hylocomium splendens	1	Rumex sp(p). (ch)	1
Juncus bufonius	1	Sphagnum sp(p). (lvs)	1
Juncus sp(p).	1	Stellaria media	1
Lapsana communis	2	Urtica dioica	1
Lemna sp(p). (fronds)	1	Urtica urens	1
Myrica gale	1		
Polygonum aviculare agg.	1	bark fgts	2 max 15 mm
Polygonum persicaria	2	beetles	1
Polytrichum sp(p). (sht fgts)	1	bivalve periostracum	1 max 20 mm
Potamogeton sp(p).	1	bone fgts	1 max 20 mm
Potentilla cf. erecta	1	burnt bone fgts	1 max 20 mm
Raphanus raphanistrum (psf)	2	charcoal	2 max 15 mm
Rumex acetosella agg.	1	coal	1 max 5 mm
Rumex sp(p).	1	earthworm egg caps	1
Spergula arvensis	1	fish bone	1 max 5 mm
Sphagnum sp(p). (lvs)	1	gravel	3 max 40 mm
Stachys sp(p).	1	grit	3
Stellaria media	2	leather fgts	1 v dec, max 30
Triticum aestivo-compactum	1	mm	
Urtica dioica	1	moss	1
Viola sp(p).	1	peat fgts	2 max 10 mm
		peat fgts (ch)	1 max 10 mm
bark fgts	2 max 35 mm	sand	3
beetles	1	wood fgts	2 max 10 mm
bone fgts	1 max 30 mm		
burnt bone fgts	1 max 5 mm		
charcoal	1 max 15 mm		
earthworm egg caps	1	E34, Context 84, Sample 21/T (3 kg)	
fish bone	1 max 20 mm	Agrostemma githago (sf)	1
fly puparia	1	Aulacomnium palustre	1
gravel	1 max 70 mm	Avena sp(p).	1
grit	3	Calliergon cuspidatum	1
leather fgts	1 v dec max 10	Calluna vulgaris (fls)	1
mites	1	cf. Calluna vulgaris (ch rt-tw fgts)	1 max 5 mm
moss (lfless stems)	1	Carex sp(p).	1
peat fgts	3 max 20 mm	Cenococcum (sclerotia)	1
sand	2	Chenopodium album	1
twig fgts	1 max 10 mm	Corylus avellana	1 v dec
wood fgts	2 v dec max 15	Hylocomium splendens	1
		Hypnum cf. cupressiforme	1
		Myrica gale	1
		Polygonum lapathifolium	1
		Polygonum persicaria	1
		Potentilla cf. erecta	1
		Ranunculus Section Ranunculus	1
		Ranunculus flammula	1
		Raphanus raphanistrum (psf)	1
		Rumex acetosella agg.	1
		Rumex sp(p).	1
E34, Context 83, Sample 1/T (3 kg)			
Agrostemma githago (sf)	1		
Ajuga reptans	1		
Atriplex sp(p).	1		
cf. Calluna vulgaris (rt-tw fgts)	1 max 10 mm		
Cenococcum (sclerotia)	1		
Chenopodium album	1		

Ranunculus Section Ranunculus	1
Raphanus raphanistrum (psf)	1
Rhytidiadelphus sp(p).	1
Rubus fruticosus agg.	1
Rumex acetosella agg.	1
Rumex sp(p).	1
Silene cf. vulgaris	1
Spergula arvensis	1
Sphagnum palustre	2
Thuidium cf. tamariscinum	1
Torilis japonica	1
cf. Triticum/Secale (w/l)	1
Ulota sp(p).	1
Urtica urens	1
animal hairs	1
bark fgts	3 max 50 mm
beetles	1
charcoal	1 max 10 mm
earthworm egg caps	1
fine plant detritus	1
gravel	1 max 50 mm
grit	3
leaf ab pads	1
leather fgts	1 v dec max 5
peat fgts	1 max 5 mm
roundwood fgts	1 max 50 x 10
sand	2
twig fgts	1 max 15 mm
unwashed peaty sediment	2 max 10 mm
wood chips	1 max 15 mm
wood fgts	2 max 40 mm

E34, Context 104, Sample 16/T (3 kg)

Atriplex sp(p).	1
Betula sp(p).	1
Brassica rapa	1
Brassica sp./Sinapis arvensis	1
Bupleurum rotundifolium	1
Calluna vulgaris (fls)	1
Calluna vulgaris (sht fgts)	1 leafless
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 5 mm
cf. Calluna vulgaris (rt-tw fgts)	1 max 10 mm
Carex sp(p).	1
Chenopodium album	2
Corylus avellana	1
Corylus avellana (ch)	1
Eleocharis palustris sl	1
Gramineae	1 small types
Hypnum cf. cupressiforme	1
Juncus bufonius	1
Lapsana communis	2
Lemna sp(p). (fronds)	1
Luzula sp(p).	1
Myrica gale	1
Polygonum aviculare agg.	1
Polygonum lapathifolium	1
Polygonum persicaria	1
Polytrichum sp(p). (sht fgts)	1

Potentilla cf. erecta	1
Potentilla sp(p).	1
Raphanus raphanistrum (psf)	1
Raphanus raphanistrum (s)	1
Rumex acetosella agg.	1
Rumex sp(p).	1
Scirpus lacustris sl	1
Silene cf. vulgaris	1
Sonchus asper	1
Spergula arvensis	2
Sphagnum sp(p). (lvs/shts)	2
Sphagnum sp(p). (st fgts)	1
Stellaria media	2
Thuidium tamariscinum	1
Urtica dioica	2
Urtica urens	2
animal hairs	2
bark fgts	2 max 30 mm
beetles	1
bivalve periostracum	1 max 10 mm
bone fgts	2 max 120 mm
charcoal	1 max 10 mm
earthworm egg caps	1
fish bone	3 max 110 mm
fish scale	1 max 10 mm
fly puparia	1
gravel	2 max 30 mm
grit	3
herbaceous detritus	1
herbaceous detritus (ch)	1
leather fgts	2 max 25 mm
mites	1
peat fgts	2 max 15 mm
sand	2
twig fgts	2 v dec max 10
wood fgts	3 v dec max 25

E34, Context 107, Sample 27/T (3 kg)

Alnus (rods)	1 max 70 mm
Alnus glutinosa (b/bs)	1
Betula sp(p). (fcs)	1
Bilderdykia convolvulus (ff)	1
Brassica rapa	1
Calliergon cuspidatum	1
Calluna vulgaris (fls)	1
Calluna vulgaris (tw fgts)	1 leafless
cf. Calluna vulgaris (rt-tw fgts)	2 max 10 mm
Chenopodium album	2
Corylus avellana	1
Filipendula ulmaria	1
Galeopsis Subgenus Galeopsis	1
Gramineae	1 small types
Hylocomium splendens	1
Hypnum cf. cupressiforme	1
Juncus bufonius	2
Lapsana communis	1
Myrica gale	1
Myrica gale (lf fgts)	1

Polygonum aviculare agg.	1	Raphanus raphanistrum (psf)	1
Polygonum lapathifolium	1	Rumex sp(p).	1
Potentilla cf. erecta	1	Sphagnum sp(p). (lvs)	1
Pteridium aquilinum (rachis fgts)	1	Sphagnum squarrosum	1
Quercus sp(p). (b/bs)	1	Stellaria media	1
Ranunculus Section Ranunculus	1	Ulotia sp(p).	1
Ranunculus flammula	1	Urtica dioica	1
Rhytidiadelphus sp(p).	1		
Rumex acetosella agg.	1	bark fgts	3 max 25 mm
Rumex sp(p).	1	beetles	2
Silene vulgaris	1	charcoal	1 max 15 mm
Spergula arvensis	1	earthworm egg caps	1
Sphagnum sp(p). (lvs)	1	fine plant detritus	3
Stellaria media	1	fly puparia	1
Stellaria palustris/graminea	1	herbaceous detritus	2
cf. Thuidium sp(p).	1	moss (lfless stems)	1
		peat fgts	2 max 20 mm
bark fgts	2 max 35 mm	peat fgts (ch)	1 max 5 mm
beetles	1	root/rhizome fgts	2
bivalve periostracum	1	sand	1
bone fgts	1 max 70 mm	stones	1
dicot lf fgts	1	twig fgts	2 max 30 mm
earthworm egg caps	2	twig fgts (ch)	1 max 10 mm
fly puparia	2	wood fgts	2 max 10 mm
gravel	1 max 30 mm		
grit	2		
herbaceous detritus	1		
herbaceous detritus (ch)	1		
leather fgts	1 max 35 mm		
moss (lfless stems)	1		
peat fgts	2 max 10 mm		
rat-tailed maggot (resp proc)	1		
sand	2		
twig fgts	1 max 30 mm		
undisagg. compressed plant debris	1 max 10 mm		
wood fgts	3 max 70 mm		

E34, Context 111, Sample 15/T (3 kg)

Agrostemma githago (sf)	1 v dec
Betula cf. pendula (bark fgts)	1 max 60 mm
Betula sp(p).	1
Brassica rapa (sf)	1
Buxus sempervirens (lf fgts)	1 single spec
Calliergon cuspidatum	1
Calluna vulgaris (caps)	1
Calluna vulgaris (fls)	1
Calluna vulgaris (tw fgts)	1 max 5 mm
cf. Calluna vulgaris (rt-tw fgts)	1 max 10 mm
Cerastium sp(p).	1
Drepanocladus sp(p).	1
Eriophorum vaginatum (lf shth fibres)	1
Eriophorum vaginatum (rh fgts)	1
Hylocomium splendens	1
Hypnum cf. cupressiforme	1
Polytrichum cf. commune	1
Potentilla cf. erecta	1
Potentilla cf. reptans	1
Ranunculus flammula	1

E34, Context 233, Sample 39/T (5 kg)

Aulacomnium palustre	1
Avena sp(p).	1
Calluna vulgaris (sht fgts)	1 leafless
Carex sp(p).	2
Chenopodium album	1
Danthonia decumbens	2
Danthonia decumbens (clstgns)	1
Danthonia decumbens (spklt/ clstgns)	1
Eurhynchium praelongum	1
Galeopsis Subgenus Galeopsis	1
Galium sp(p).	1
Gramineae	1
cf. Hordeum sp(p).	1
Leguminosae (fls/pet)	1
Lychnis flos-cuculi	1
Polygonum aviculare agg.	1
Polygonum persicaria	1
Polytrichum sp(p). (sht fgts)	1
Potamogeton sp(p).	1
Potentilla cf. erecta	2
Prunella vulgaris	1
Ranunculus flammula	1
Rumex acetosella agg.	1
Scutellaria galericulata	1
Sphagnum sp(p). (lvs)	2
Sphagnum sp(p). (shts)	1
Sphagnum sp(p). (st fgts)	1
Stellaria media	1
animal hair (matted)	1 max 10 mm
beetles	1
bivalve periostracum	1 max 5 mm

bone fgts	1 max 55 mm
earthworm egg caps	2
fish bone	1 max 35 mm
fly puparia	2
gravel	1 max 40 mm
grit	3
mites	1
moss	1
peat fgts	2 max 10 mm
peat fgts (ch)	1 max 5 mm
rhizome fgts	1 max 5 mm
cf. Rosellinia sp(p).	1
sand	3
unwashed peaty sediment	2 max 10 mm
wood fgts	1 max 5 mm

E34, Context 361, Sample 361/SPT (0.025 kg)

Quercus sp(p). (charcoal)	1 max 10 mm
?ash concretions	2 max 5 mm
charcoal	2 max 10 mm
gravel	1 max 5 mm
sand	1

E35: 16-18 NETHER KIRKGATE

E35, Context 18, Sample 8/T (3 kg)

Agrostemma githago (sf)	1
Ajuga reptans	2
Atriplex sp(p).	1
Avena sp(p). (w/l)	1
Bilderdykia convolvulus	1
Calliergon cf. giganteum	1
Calluna vulgaris (fls)	1
Calluna vulgaris (sht tips)	1
cf. Calluna vulgaris (rt-tw fgts)	1 max 10 mm
Carex sp(p).	2 nutlets with
utricles and/or free utricles	
Cenococcum (sclerotia)	1
Corylus avellana	1
cf. Danthonia decumbens	1
Dicranum sp(p).	1
Eleocharis palustris sl	2
Galeopsis Subgenus Ladanum	1
cf. Hordeum sp(p). (w/l)	1 single spec
Hylocomium splendens	1
Hypnum cf. cupressiforme	1
Lapsana communis	1
Polygonum lapathifolium	1
Polygonum persicaria	1
Potentilla cf. erecta	2
Ranunculus Section Ranunculus	2
Ranunculus flammula	1
Raphanus raphanistrum (psf)	1
Rhinanthus sp(p).	1
Rubus idaeus	1
Rumex acetosella agg.	2
Sphagnum sp(p). (lvs)	2

Stellaria media	1
Urtica urens	2
Viola sp(p).	2
Viola sp(p). (caps segs)	1
bark fgts	2 max 15 mm
bone fgts	1 max 40 mm
charcoal	1 max 10 mm
earthworm egg caps	1
eggshell membrane fgts	1 max 10 mm
fish bone	1 max 10 mm
fly puparia	1
gravel	1 max 40 mm
grit	2
moss (lfless stems)	1
peat fgts	3 max 25 mm
root/rootlet fgts	1
sand	2
twig fgts	1 max 10 mm
wood fgts	1 max 20 mm

E35, Context 37, Sample 22/T (3 kg)

Agrostemma githago (sf)	1
Aulacomnium palustre	1
Bilderdykia convolvulus	1
Brassica sp./Sinapis arvensis	1
Bryum sp(p).	1
Calluna vulgaris (sht fgts)	1
Calluna vulgaris (sht tips)	1
cf. Calluna vulgaris (rt-tw fgts)	2 max 10 mm
Carex sp(p).	2
Chenopodium album	1
Galeopsis Subgenus Galeopsis	1
Hylocomium splendens	2
Hypnum cf. cupressiforme	1
Lapsana communis	1
Luzula sp(p).	1
Polygonum lapathifolium	2
Polygonum persicaria	1
Polytrichum sp(p).	1
Polytrichum sp(p). (sht fgts)	1
Potentilla cf. erecta	1
Pseudoscleropodium purum	1
Pteridium aquilinum (stalk fgts)	1 max 25 mm
Raphanus raphanistrum (psf)	1
Rumex sp(p).	1
Spergula arvensis	1
Sphagnum peat fgts	3 max 10 mm
Sphagnum sp(p). (lvs/sht tips)	3
Sphagnum sp(p). (st fgts)	2 max 30 mm
Thuidium cf. tamariscinum	1
Urtica urens	1
bark fgts	2 max 30 mm
beetles	1
bivalve periostracum	1 max 30 mm
dicot lf fgts	1 max 5 mm
earthworm egg caps	1
eggshell membrane fgts	1 max 10 mm

fine plant detritus	2
gravel	1 max 5 mm
grit	1
moss (lfless stems)	1
peat fgts	3 max 10 mm
rhizome fgts	1 max 5 mm
root/rootlet fgts	2
sand	1
undisagg. compressed plant debris	1 max 10 mm
wood chips	1 max 20 mm
wood fgts	2 max 50 mm

E35, Context 109, Sample 16/T (3 kg)

Agrostemma githago (sf)	1
Ajuga reptans	1
Aulacomnium palustre	1
cf. Avena sp(p). (w/l spkls/fgts)	2
Bilderdykia convolvulus (ff)	1
Brassica rapa	1
Calluna vulgaris (b)	1
Calluna vulgaris (fls)	2
Calluna vulgaris (sht fgts)	2
Calluna vulgaris (sht tips)	1
Calluna vulgaris (tw fgts)	2 max 15 mm
Carex sp(p).	1
Cenococcum (sclerotia)	1
Cerealialia indet. (w/l rachis fgts)	1
Chenopodium album	2
Corylus avellana	1
Corylus avellana (b/bs)	1
Crataegus sp(p). (imm fr)	1
Danthonia decumbens	2
Danthonia decumbens (clstgns)	1
Eriophorum vaginatum (scl sp)	1
Eurhynchium praelongum	2
Galeopsis Subgenus Galeopsis	2
Gramineae	1
Gramineae/Cerealialia (c/n)	1
Gramineae/Cerealialia (culm fgts)	1
Hypnum cf. cupressiforme	1
Hypochoeris sp(p).	1
Juncus bufonius	1
Juncus cf. squarrosus	1
Lapsana communis	3
Leguminosae (fls/pet)	1
Leontodon sp(p).	1
Myrica gale	1
Polygonum lapathifolium	2
Polygonum persicaria	2
Polytrichum sp(p).	1
Potentilla cf. erecta	2
Prunella vulgaris	1
Pteridium aquilinum (pinn fgts)	1
Pteridium aquilinum (stalk fgts)	1
Ranunculus Section Ranunculus	1
Raphanus raphanistrum (psf)	1 very fgty
Reseda luteola	1
Rumex acetosella agg.	2
Rumex sp(p). (inc per)	1

Sorbus aucuparia	1
Spergula arvensis	2
Sphagnum sp(p). (lvs)	2
Sphagnum sp(p). (shts)	1
Sphagnum sp(p). (st fgts)	1
Stellaria media	2
Triticum/Secale (w/l)	1
Viola sp(p).	1
Viola sp(p). (caps segs)	1
bark fgts	1 max 15 mm
bee combs	1
beetles	1
bivalve periostracum	1 max 10 mm
charcoal	1 max 5 mm
cinders	1 max 10 mm
earthworm egg caps	1
fly puparia	1
gravel	1 max 20 mm
grit	1
herbaceous detritus	2
mites	1
mollusc opercula	1
monocot epid fgts	1
moss	2
peat fgts	3 max 10 mm
rhizome fgts	2 max 5 mm
root/rootlet fgts	1
sand	1
twig fgts	2 max 25 mm
wood chips	1 max 10 mm
wood fgts	1 max 15 mm

E35, Context 119, Sample 30/T (3 kg)

Agrostemma githago (sf)	1
Alnus glutinosa (b/bs)	1
Aulacomnium palustre	1
Avena sp(p).	1
Avena sp(p). (w/l)	1
cf. Avena sp(p). (w/l spkls/fgts)	1
Betula sp(p).	1
Bilderdykia convolvulus	1
Brassica rapa	1
Calluna vulgaris (ch caps)	1
Calluna vulgaris (fls)	2
Calluna vulgaris (lvs)	2
Calluna vulgaris (sht fgts)	2
Calluna vulgaris (sht tips)	2
Calluna vulgaris (tw fgts)	2 max 25 mm
Carex sp(p).	1
Cerealialia indet. (w/l chaff)	2
Cerealialia indet. (w/l rachis fgts)	1
Chenopodium album	2
Corylus avellana	1
Dicranum sp(p).	1
Erica cinerea (lvs)	2
Galeopsis Subgenus Galeopsis	1
Gramineae/Cerealialia (culm fgts)	1
Hylocomium splendens	1

Hypnum cf. cupressiforme	1	Cenococcum (sclerotia)	1
Juglans regia	1 max 15 mm	Chenopodium album	2
Lapsana communis	2	Corylus avellana	1
Leguminosae (fls/pet)	1	Corylus avellana (ch)	1
Leontodon sp(p).	1	Danthonia decumbens	1
Pleurozium schreberi	1	Eleocharis palustris sl	1
Polygonum lapathifolium	1	Eurhynchium sp(p).	1
Prunella vulgaris	1	Galeopsis Subgenus Galeopsis	1
Pseudoscleropodium purum	1	Gramineae	1
Pteridium aquilinum (pinn fgts)	1	Gramineae/Cerealialia (c/n)	1
Pteridium aquilinum (rachis fgts)	1	Gramineae/Cerealialia (culm fgts)	2
Pteridium aquilinum (stalk fgts)	1	Lapsana communis	2
Ranunculus Section Ranunculus	2	Leguminosae (fls/pet)	1
Ranunculus flammula	1	Myrica gale	1
Raphanus raphanistrum (psf)	2	Polygonum aviculare agg.	1
Rubus idaeus	1	Polygonum lapathifolium	2
Rumex acetosella agg.	1	Polygonum persicaria	1
Rumex sp(p). (inc per)	1	Potentilla cf. erecta	2
Sonchus asper	1	Potentilla palustris	1 single spec
Sorbus aucuparia	1	Pteridium aquilinum (pinn fgts)	1
Spergula arvensis	1	Pteridium aquilinum (tracheids))	1
Sphagnum sp(p). (lvs)	1	Ranunculus Section Ranunculus	1
Sphagnum sp(p). (shts)	1	Ranunculus sp(p).	1 v dec
Stellaria media	1	Raphanus raphanistrum (psf)	2
animal hairs	1	Raphanus raphanistrum (s)	1
bark fgts	2 max 20 mm	Rhytidiadelphus sp(p).	1
beetles	1	cf. Rhytidiadelphus squarrosus	1
bivalve periostracum	1 max 10 mm	Rumex acetosella agg.	2
bone fgts	1 max 25 mm	Rumex sp(p).	1
burnt bone fgts	1 max 20 mm	Rumex sp(p). (per/segs)	1
charcoal	1 max 15 mm	Silene sp(p).	1 single spec
?cinders	1 max 10 mm	Spergula arvensis	1
dicot lf fgts	1 max 5 mm	Sphagnum sp(p). (lvs)	2 not pap/imb
eggshell membrane fgts	1 max 5 mm	Sphagnum sp(p). (st fgts)	1
fly puparia	2	Stellaria media	2
gravel	1 max 10 mm	Thuidium cf. tamariscinum	1
grit	1	Urtica dioica	1
iron-rich concretions	1 max 60 mm	Viola sp(p).	2 small types
leather fgts	1 v dec max 15	Viola sp(p). (caps segs)	1
mollusc opercula	1		
peat fgts	2 max 10 mm	bark fgts	1 max 10 mm
?peat fgts (ch)	1 max 5 mm	beetles	1
sand	2	bivalve periostracum	1
twig fgts	3 max 50 mm	bone fgts	1 max 40 mm
twig fgts (ch)	1 max 30 mm	charcoal	1 max 10 mm
wood chips	1 max 15 mm	?concretions	1 max 25 mm
wood fgts	1 max 15 mm	fish bone	1 max 15 mm
		fly puparia	1
		gravel	2 max 100 mm
		grit	2
		herbaceous detritus	1
		leather fgts	1 max 10 mm
		mites	1
		peat fgts	3 max 10 mm
		sand	3
		undisagg. compressed plant debris	3 max 10 mm
E35, Context 306, Sample 26/T (3 kg)			
Agrostemma githago	1 v dec		
Atriplex sp(p).	1		
Aulacomnium palustre	1		
Avena sp(p).	1		
Bilderdykia convolvulus	1		
Brassica rapa	1		
Calluna vulgaris (fls)	1		
Calluna vulgaris (sht tips)	1		
cf. Calluna vulgaris (rt-tw fgts)	1 max 5 mm		
Carex sp(p).	2		
		E35, Context 482, Sample 1/T (3 kg)	
		Rumex acetosella agg.	1

Stachys sp(p).	1
bone fgts	1 max 20 mm
charcoal	1 max 3 mm
gravel	2 max 50 mm
grit	2
peat fgts	3 max 15 mm
?peat fgts	1 max 2 mm
sand	2

SITE E37: CASTLE STREET

E37, Context 347, Sample 3/SPT (0.38 kg)

Calluna vulgaris (ch caps)	1
Calluna vulgaris (ch fls)	2
Calluna vulgaris (ch lvs)	2
Calluna vulgaris (ch rt-tw fgts)	2 max 15 mm
Calluna vulgaris (ch sht fgts)	2
Calluna vulgaris (ch tw fgts)	3 max 20 mm
Carex sp(p). (ch)	1
cf. Gramineae (ch culm fgts)	1
?burnt soil/daub	1 max 5 mm
charcoal	1 max 15 mm
glassy slag	1 max 5 mm
gravel	1 max 5 mm
herbaceous detritus (ch)	1
sand	2

E37, Context 396, Sample 7/T (1 kg)

Avena sativa (spkls/fgts)	1
Avena sp(p).	1
Avena sp(p). (awn fgts)	1
Gramineae/Cerealia (ch cbs)	2
Gramineae/Cerealia (ch culm fgts)	3
charcoal	1 max 15 mm
gravel	2 max 15 mm
grit	2
sand	1
twig fgts (ch)	1 max 30 mm

E37, Context 396, Sample 9/T (1.975 kg)

Quercus sp(p). (charcoal)	3 max 45 mm
gravel	2 max 40 mm
grit	2
sand	3

E37, Context 396, Sample 10/SPT (0.1 kg)

Quercus sp(p). (charcoal)	1 max 40 mm
?burnt soil/daub	1 max 15 mm
charcoal	4 max 40 mm
sand	1

E37, Context 398, Sample 11/SPT (0.29 kg)

Calluna vulgaris (ch caps)	1
Calluna vulgaris (ch fls)	2
Calluna vulgaris (ch lvs)	1
Calluna vulgaris (ch rt-tw fgts)	3 max 30 mm
Calluna vulgaris (ch sht fgts)	1
Calluna vulgaris (ch tw fgts)	3 max 40 mm
Corylus (charred rods)	1 max 40 x 10
'ash beads'	1 max 4 mm
bark fgts (ch)	1 max 10 mm
herbaceous detritus (ch)	1

E37, Context 625, Sample 5/SPT (0.39 kg)

Calluna vulgaris (ch fls)	1
Calluna vulgaris (ch lvs)	1
Calluna vulgaris (ch rt-tw fgts)	2 max 10 mm
Calluna vulgaris (ch sht fgts)	1
Calluna vulgaris (ch tw fgts)	3 max 15 mm
Gramineae (ch cbs/rh fgts)	1
baked clay/daub	2 max 10 mm
charcoal	1 max 10 mm
sand	2

SITE E38: CARMELITE FRIARY

E38, Context 61, Sample 41/T (1.154 kg)

cf. Calluna vulgaris (ch rt-tw fgts)	1 max 5 mm
Cenococcum (sclerotia)	1
charcoal	1 max 15 mm
gravel	1 max 20 mm
grit	1
insect cuticle	1
peat fgts	2 max 5 mm
sand	2

E38, Context 61, Sample 44/T (0.772 kg)

Cenococcum (sclerotia)	2
charcoal	1 max 10 mm
earthworm egg caps	1
gravel	1 max 15 mm
insect cuticle	1
peat fgts	2 max 5 mm
?peat fgts (ch)	1 max 5 mm
sand	1

E38, Context 342, Sample 33/T (1.208 kg)

Avena sp(p).	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 10 mm
Carex sp(p). (ch)	1
Cenococcum (ch sclerotia)	2
Corylus avellana (ch)	1

bone fgts	1 max 3 mm	bark fgts	1 max 20 mm
burnt bone fgts	1 max 5 mm	beetles	1
burnt fish bone	1 max 3 mm	charcoal	1 max 10 mm
charcoal	1 max 10 mm	concreted sediment	2 max 10 mm
cinders	1 max 15 mm	eggshell membrane fgts	1 max 10 mm
coal	3 max 25 mm	fish bone	2 max 10 mm
gravel	1 max 25 mm	fly puparia	1
part-burnt coal	1 max 10 mm	gravel	1 max 15 mm
peat fgts (ch)	2 max 10 mm	grit	2
?peat fgts	2 max 2 mm	mollusc opercula	1
root/rhizome fgts (ch)	1 max 3 mm	rat-tailed maggot (resp proc)	1
sand	2	sand	2
unwashed sediment	2 max 5 mm	unwashed peaty sediment	1 max 5 mm
wood fgts	1 max 5 mm		

E38, Context 393, Sample 30/T (1.84 kg)

?peat fgts (ch)	1 max 5 mm
Agrostemma githago (sf)	2
Atriplex sp(p).	2
Bilderdykia convolvulus (ff)	1
Brassica rapa	1
Brassica sp(p). (sf)	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 20 mm
Cenococcum (sclerotia)	1
Centaurea sp(p). (af)	1
Chenopodium album	2
Dicranum sp(p).	1
Drepanocladus sp(p).	1
Eleocharis palustris sl	1
Empetrum sp(p).	1
Erica tetralix (lvs)	1
Galeopsis Subgenus Galeopsis	2 inc fgts
Gramineae	1
Hypnum cf. cupressiforme	1
Lapsana communis	2
Leontodon sp(p).	1
Linum usitatissimum (sf)	1
Malus sylvestris (endo)	1
Polygonum aviculare agg.	1
Polygonum lapathifolium	1
Polygonum persicaria	1
Ranunculus Section Ranunculus	1
Raphanus raphanistrum (psf)	1
Reseda luteola	1
Rhinanthus sp(p).	1
Rhytidiadelphus sp(p).	1
Rubus fruticosus agg.	1
Rumex acetosella agg.	2
Rumex sp(p).	1 nutlets and
perianth segs both present	
Silene vulgaris/alba	1 fgts only
Sorbus aucuparia	2
Spergula arvensis	2
Sphagnum sp(p). (caps/lids)	1
Sphagnum sp(p). (lvs)	2
Stellaria media	2
Triticum/Secale ('bran' fgts)	2 mstly <1 mm
Urtica dioica	1
Urtica urens	2

E38, Context 549, Sample 47/T (1.31 kg)

cf. Calluna vulgaris (sht fgts) 1 leafless

animal hairs	1
beetles	1
epidermis fgts	2
fly puparia	1

E38, Context 549, Sample 50/T (1.952 kg)

Brassica sp./Sinapis arvensis	1 fgts only
Coniferae (charcoal)	1 max 5 mm
Corylus avellana	1
Ficus carica	1
Fragaria cf. vesca	1
Galeopsis Subgenus Galeopsis	1 fragments only
Hylocomium splendens	1
Lapsana communis	1 v dec
Malus sylvestris (endo)	1
Polygonum persicaria	1
Raphanus raphanistrum (psf)	1 a single fgt
Rhytidiadelphus sp(p).	1
Rubus fruticosus agg.	1
Rubus idaeus	1
Sphagnum papillosum	1
Stellaria media	1 v dec
Taraxacum sp(p).	1
animal hairs	1
beetles	2
'char'	1 max 15 mm
coal	1 max 5 mm
earthworm egg caps	1
eggshell membrane fgts	1 max 10 mm
epidermis fgts	3
fly puparia	2
mollusc opercula	1
moss	1
sand	1
twig fgts	2 max 5 mm

E38, Context 645, Sample 24/T (1.274 kg)

Avena sp(p). 1

Cenococcum (sclerotia)	2
charcoal	1 max 25 mm
gravel	1 max 35 mm
insect cuticle	1
peat fgts	1 max 10 mm
?peat fgts	1 max 2 mm
sand	2
unwashed peaty sediment	3 max 10 mm

E38, Context 863, Sample 13/BS (10 kg)

Corylus avellana (ch)	1
bark fgts	1 max 10 mm
bird bone	1 max 70 mm
burnt bone fgts	1 max 15 mm
faecal concretions	2 max 25 mm
fish bone	3 max 50 mm
gravel	3 max 65 mm
green-glazed pottery	1 max 10 mm
grit	3
mammal bone	1 max 45 mm
mammal tooth	1
mussel shell fgts	1 max 10 mm
peat fgts	2 max 30 mm
sand	3
twig fgts	1 max 10 x 5
wood fgts (min)	1 max 10 mm

E38, Context 863, Sample 13/T (5 kg)

Agrostemma githago (sf)	2
Atriplex sp(p).	1
Aulacomnium palustre	1
Brassica rapa	1 inc fgts
Brassica sp(p). (sf)	1
Carex sp(p).	1
Cenococcum (sclerotia)	2
Chenopodium album	2
Corylus avellana	1
Galeopsis Subgenus Galeopsis	1
Hylocomium splendens	1
Lapsana communis	2
Polygonum persicaria	1
Pteridium aquilinum (pinn fgts)	1
Raphanus raphanistrum (psf)	1
Reseda luteola	1
Rumex sp(p).	1
Spergula arvensis	1
Sphagnum sp(p). (lvs/shts)	1
Thuidium tamariscinum	1
Viola sp(p).	1
bark fgts	1 max 5 mm
beetles	1
bivalve periostracum	1
bone fgts	1 max 70 mm
charcoal	1 max 10 mm
earthworm egg caps	2
fish bone	2 max 55 mm

fly puparia	1
gravel	2 max 50 mm
grit	2
moss	1
mussel shell fgts	1 max 20 mm
peat fgts	2 max 30 mm
sand	2
wood fgts	1 v dec max 5

E38, Context 864, Sample 27/T (0.986 kg)

Sphagnum sp(p). (lvs/shts)	2
bone fgts	1 max 3 mm
charcoal	1 max 10 mm
gravel	1 max 15 mm
grit	1
insect cuticle	1
mites	1
peat fgts	1 max 5 mm
peat fgts (ch)	1 max 5 mm
sand	2

E38, Context 878, Sample 69/SPT (weight not recorded)

amorphous peat fgts	3 max 25 mm
sand	2

E38, Context 879, Sample 25/SPT (0.2 kg)

Ericales pollen	1
amorphous organic matter	3
fungus spores	1
grit	1
sand	1

E38, Context 929, Sample 70/T (2.205 kg)

Agrostemma githago (sf)	1 v dec
charcoal	1 max 10 mm
gravel	1 max 40 mm
insect cuticle	1
?peat fgts (ch)	1 max 5 mm
sand	3

E38, Context 1138, Sample 10/SPT

Quercus sp(p). (wood)	1
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E38, Context 1138, Sample 17/SPT

Quercus sp(p). (wood)	1
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E38, Context 1138, Sample 40/SPT

Calluna vulgaris (sht tips)	1 single spec
Sphagnum sp(p). (lvs/shts)	2

amorphous peat fgts	3
beetles	1
gravel	1 max 10 mm
root/rhizome fgts (ch)	1
sand	1
twig fgts	1 v dec max 5
twig fgts (ch)	1 max 2 mm
wood fgts	1 v dec max 5

E38, Context 1138, Sample 75/SPT

concretions	2 max 10 mm
fly puparia	1 v dec
unwashed sediment	4 max 35 mm
wood fgts	2 v dec max 10

E38, Context 1138, Sample 78/SPT

wood fgts	1 max 100 mm
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E38, Context 1138, Sample 81/SPT

wood fgts	1 max 100 mm
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E38, Context 1138, Sample 86/SPT

bark fgts	2 max 50 mm
wood fgts	1 v dec max 20

E38, Context 1138, Sample 87/SPT (1.1 kg)

Brassica sp(p). (sf)	1 v dec
Rumex sp(p).	1
bark fgts	2 v dec max 40
fly puparia	2 v dec
gravel	1 max 25 mm
unwashed sediment	3 max 25 mm
wood fgts	1 v dec max 5

SITE E45: ST CLEMENTS STREET

E45, Context 11, Sample 11/T (3 kg)

Avena sp(p).	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 5 mm
Cenococcum (ch sclerotia)	2
micaceous sandstone	1 max 15 mm
peat fgts	1 max 3 mm
peat fgts (ch)	1 max 5 mm
sand	2

E45, Context 13, Sample 13/T (3 kg)

charcoal	1 max 2 mm
sand	1

SITE E47: SHIPROW

E47, Context 15, Sample 15/T (1 kg)

cf. Betula sp(p). (b/bs)	1
cf. Brassica rapa	1 fgts only
Calluna pollen	1
Calluna vulgaris (b)	1
Gramineae	1
Juncus bufonius	1
Juncus cf. gerardi	1
Juncus inflexus/effusus/ conglomeratus	1
Quercus (charcoal)	1 max 10 mm
Rumex sp(p).	1
Silene cf. vulgaris	1
Spergula arvensis	1
Stellaria media	2

bivalve periostracum	1
burnt bone fgts	1 max 2 mm
?burnt peat/mor humus	2 max 10 mm
charcoal	1 max 10 mm
marine mollusc shell fgts	1 max 2 mm
moss (lfless stems)	1
part-burnt wood	1 max 10 mm
?peat/mor humus	2 max 2 mm
sand	2
wood fgts	1 max 5 mm

E47, Context 25, Sample 25/T (1 kg)

Calluna vulgaris (ch sht fgts)	1
Calluna vulgaris (part-ch lvs)	1
Calluna vulgaris (part-ch sht fgts)	1
Calluna vulgaris (part-ch sht tips)	1
cf. Calluna vulgaris (ch rt-tw fgts)	1 max 10 mm
Corylus avellana (ch)	1
Gramineae (ch)	1
Gramineae/Cerealina (culm fgts)	1
Hordeum sp(p).	1 single spec
Pteridium aquilinum (pinn fgts)	1

animal hairs	1
'ash beads'	1
bark fgts	1 max 5 mm
bark fgts (ch)	1 max 10 mm
burnt bone fgts	2 max 25 mm
burnt fish bone	1 max 10 mm
charcoal	2 max 25 mm
gravel	1 max 25 mm
insects	1
part-burnt wood	1 max 5 mm
sand	4

E47, Context 34, Sample 34/T (1 kg)

Atriplex sp(p).	2
Avena sp(p).	1
Buglossoides arvensis	1
Calluna vulgaris (ch sht fgts)	1

Calluna vulgaris (lvs)	1
Calluna vulgaris (sht tips)	2 v dec
Chenopodium album	2
Eleocharis palustris sl	1
Gramineae (ch)	1
Stellaria media	1
Triticum aestivo-compactum	1
bark fgts	1 max 3 mm
?Cenococcum (sclerotia)	1
?burnt peat fgts	1 max 10 mm
charcoal	1 max 5 mm
fly puparia	1
grit	2
hairs	2 v dec
insects	1
?mor humus	1 max 5 mm
sand	2
unwashed peaty sediment	2

E47, Context 96, Sample 96/T (2 kg)

Calluna vulgaris (ch caps)	2
Calluna vulgaris (ch lvs)	1
Calluna vulgaris (ch sht fgts)	3
cf. Calluna vulgaris (ch rt-tw fgts)	3 max 40 x 10
gravel	3 max 30 mm
sand	4

SITE E58: DUNBAR HALL

E58, Context 3, Sample 3/T (1.484 kg)

cf. Calluna vulgaris (ch rt-tw fgts)	1
Carex sp(p). (ch)	1
Potentilla cf. erecta (ch)	1
burnt bone fgts	1 max 5 mm
burnt fish bone	1 max 5 mm
?burnt peat/mor humus	2 max 5 mm
?burnt soil	2 max 10 mm
fish bone	1 max 2 mm
gravel	1 max 20 mm
grit	1
sand	2

E58, Context 5, Sample 5/T (1.274 kg)

Calluna vulgaris (ch b)	1
Calluna vulgaris (ch fls)	1
Calluna vulgaris (ch sht tips)	1
cf. Calluna vulgaris (ch rt-tw fgts)	2 max 10 mm
Carex sp(p). (ch)	2
cf. Danthonia decumbens (ch)	1
Potentilla cf. erecta (ch)	2
Ranunculus flammula (ch)	1
bone fgts	1 max 3 mm
burnt fish bone	1 max 3 mm
charcoal	1 max 5 mm
gravel	1 max 10 mm
grit	1
herbaceous detritus (ch)	1 max 3 mm
moss (ch st fgts)	1
peat fgts	1 max 5 mm
peat fgts (ch)	2 max 5 mm
root/rhizome fgts (ch)	1 max 5 mm
root/rootlet fgts (?modern)	1
sand	2

E58, Context 6, Sample 6/T (1.208 kg)

Avena sp(p).	1
Chenopodiaceae	1 1 spec, v dec
Hordeum sp(p).	1
Rumex sp(p). (ch)	1
baked clay/daub	4 max 20 mm
charcoal	1 max 10 mm
gravel	1 max 20 mm
root/rootlet fgts (modern)	1
sand	2

E58, Context 99, Sample 99/T (2.056 kg)

Avena sp(p).	1
cf. Cerealia indet.	1
Stellaria media	1
charcoal	1 max 5 mm
coal	1 max 5 mm
fish bone	1 max 5 mm
gravel	1 max 10 mm
grit	2
root moulds (min)	1
sand	3
wood fgts	1 v dec max 5

Table 6. Species lists in rank order for invertebrate macrofossils from samples from sites in Aberdeen investigated in the present study. For each sample assemblage the adult Hemiptera (bugs) and Coleoptera (beetles) are listed first, followed by the remaining invertebrates. Headers: weight is in kilogrammes; E - erosion; F - fragmentation (following Kenward and Large 1998); ec = ecological codes; n = minimum number of individuals; SQ = semi-quantitative (e = estimate; - = fully quantitative, m = 'many', translated as 15 individuals; s = several, translated as 6). For translation of ecological codes, see Table 5. Samples not taken beyond assessment are not included. Note: it has not been practical to italicise specific epithets in this table.

E15: NO 3 BONDED WAREHOUSE VIRGINIA ST

mode 3.0 distinct). X. concinnus may be fresher than many others.

Context: 26 Sample: 26/T ReM: D

Weight: 2.02 E: 3.00 F: 2.50

Notes: Entered HK 18/6/04. Recorded in flot and on filter paper. Smallish flot. Preservation variable: E 1.5-4.0, mode 3.0 weak; F 1.5-3.0, mode 2.5 weak. Lathridius l-r-us-abd had different preservation, perhaps recent?

Taxon	n	SQ	ec
Monotoma longicollis	5	-	rt-st
Anotylus complanatus	2	-	rt-sf
Leptacinus ?pusillus	2	-	rt-st
Lathridius minutus group	2	-	rd-st
Calathus fuscipes	1	-	oa
Cercyon ?atricapillus	1	-	rf-st
Cercyon ?depressus	1	-	rf
Cercyon sp.	1	-	u
Omalium sp.	1	-	rt
Platystethus arenarius	1	-	rf
Oxytelus sculptus	1	-	rt-st
Leptacinus sp.	1	-	rt-st
Gyrophynus fracticornis	1	-	rt-st
Neobisnius sp.	1	-	u
Falagria or Cordalia sp.	1	-	rt-sf
Aleocharinae sp.	1	-	u
Aphodius sp.	1	-	ob-rf
Ptinus sp.	1	-	rd-sf
Cryptophagus sp.	1	-	rd-sf
Atomaria sp.	1	-	rd
Typhaea stercorea	1	-	rd-ss
Curculionidae sp.	1	-	oa
*Diptera sp. (puparium)	15	m	u
*Acarina sp.	15	m	u
*Aves sp. (feather)	2	-	u
*Dermaptera sp.	1	-	u
*Siphonaptera sp.	1	-	u
*Coleoptera sp. (larva)	1	-	u

E15, Context: 22 Sample: 28/T ReM: D

Weight: 3.00 E: 3.50 F: 3.00

Notes: Entered HK 18/6/04. Recorded in flot and on filter paper. Many fossils very fragile, well-decayed, others in much better condition (E 2.5-4.0, mode 3.5; F 1.5-5.0,

Taxon	n	SQ	ec
Tipnus unicolor	12	-	rt-ss
Xylodromus concinnus	11	-	rt-st
Bradycellus ruficollis	10	-	oa-m
Mycetaea hirta	10	-	rd-ss
Atomaria sp. A	6	-	rd
Pterostichus diligens	4	-	oa-d
Stenus sp. A	4	-	u
Micrelus ericae	4	-	oa-p-m
Ulopa reticulata	3	-	oa-p-m
Trichocellus cognatus	3	-	oa
Olophrum piceum	3	-	oa
Lathrobium sp.	3	-	u
Corticaria sp. B	3	-	rt-sf
Dyschirius globosus	2	-	oa
Hydroporus sp. B	2	-	oa-w
Cercyon analis	2	-	rt-sf
Anacaena sp.	2	-	oa-w
Cryptophagus sp. B	2	-	rd-sf
Atomaria sp. B	2	-	rd
Corticaria sp. C	2	-	rt-sf
Chartoscirta sp.	1	-	oa-w
Cicadellidae sp.	1	-	oa-p
Carabus sp.	1	-	oa
Notiophilus ?germyni	1	-	oa
Bembidion lampros	1	-	oa
Bembidion guttula or mannerheimi	1	-	oa
Bembidion sp.	1	-	oa
Carabidae sp. A	1	-	ob
Carabidae sp. B	1	-	ob
Carabidae sp. C	1	-	ob
Hydroporus sp. A	1	-	oa-w
Agabus sp.	1	-	oa-w
Helophorus sp.	1	-	oa-w
Cercyon ?haemorrhoidalis	1	-	rf-sf
Ptenidium sp.	1	-	rt
Scydmaenidae sp.	1	-	u
Acidota ?cruentata	1	-	oa
Lesteva ?heeri	1	-	oa-d
Lesteva ?longoelytrata	1	-	oa-d
Anotylus rugosus	1	-	rt
Oxytelus sculptus	1	-	rt-st
Stenus sp. B	1	-	u
Euaesthetus bipunctatus	1	-	oa
Xantholinus linearis	1	-	rt-sf

Philonthus sp.	1	-	u	Stenus sp. C	2	-	u
Quedius sp.	1	-	u	Aleocharinae sp. A	2	-	u
Staphylininae sp.	1	-	u	Anobium punctatum	2	-	l-sf
Aleocharinae sp. A	1	-	u	Ptinus ?fur	2	-	rd-sf
Aleocharinae sp. B	1	-	u	Cryptophagus sp.	2	-	rd-sf
Aleocharinae sp. C	1	-	u	Atomaria sp.	2	-	rd
Pselaphus heisei	1	-	u	Mycetaea hirta	2	-	rd-ss
Pselaphidae sp.	1	-	u	Corticaria sp. A	2	-	rt-sf
Aphodius prodromus	1	-	ob-rf	Lygaeidae sp.	1	-	oa-p
Aphodius sp. A	1	-	ob-rf	Ulopa reticulata	1	-	oa-p-m
Aphodius sp. B	1	-	ob-rf	Aphrodes sp.	1	-	oa-p
Grynobius planus	1	-	l	Cicadellidae sp.	1	-	oa-p
Cryptophagus ?scutellatus	1	-	rd-st	Psylloidea sp.	1	-	oa-p
Cryptophagus sp. A	1	-	rd-sf	Notiophilus sp.	1	-	oa
Cryptophagus sp. C	1	-	rd-sf	Dyschirius globosus	1	-	oa
Anommatus duodecimstriatus	1	-	rt-st	Bembidion sp.	1	-	oa
Orthoperus sp.	1	-	rt	Pterostichus ?melanarius	1	-	ob
Lathridius minutus group	1	-	rd-st	Pterostichus nigrita	1	-	oa-d
Corticaria sp. A	1	-	rt-sf	Pterostichus oblongopunctatus	1	-	oa
Plateumaris sp.	1	-	oa-d-p	Calathus sp.	1	-	oa
*Acarina sp.	15	m	u	Agonum sp.	1	-	oa
*Proctotrupoidea sp.	6	s	u	Carabidae sp.	1	-	ob
*Diptera sp. (puparium)	3	-	u	Agabus sp.	1	-	oa-w
*Formicidae sp.	3	-	u	Coelostoma orbiculare	1	-	oa-w
*Oligochaeta sp. (egg capsule)	2	-	u	Cercyon analis	1	-	rt-sf
*Coccoidea sp.	1	-	u	Cercyon sp.	1	-	u
*Lepidoptera sp. (pupa)	1	-	u	Anacaena sp.	1	-	oa-w
*Elateridae sp. (larva)	1	-	ob	Agathidium sp.	1	-	u
				Lesteva longoelytrata	1	-	oa-d
				Omalium ?rivulare	1	-	rt-sf
				Omalium sp.	1	-	rt
				Carpelimus ?bilineatus	1	-	rt-sf
				Stenus sp. B	1	-	u
				Stenus sp. D	1	-	u
				Lathrobium sp. A	1	-	u
				Othius ?myrmecophilus	1	-	rt
				Xantholinus sp.	1	-	u
				Philonthus sp.	1	-	u
				Staphylininae sp.	1	-	u
				Tachinus ?signatus	1	-	u
				Aleocharinae sp. C	1	-	u
				Aleocharinae sp. D	1	-	u
				Aphodius ?ater	1	-	oa-rf
				Aphodius contaminatus	1	-	oa-rf
				Aphodius sp. A	1	-	ob-rf
				Aphodius sp. B	1	-	ob-rf
				Aphodius sp. C	1	-	ob-rf
				Simplocaria ?semistriata	1	-	oa-p
				Elateridae sp.	1	-	ob
				Grynobius planus	1	-	l
				Cryptophagus ?scutellatus	1	-	rd-st
				Anommatus duodecimstriatus	1	-	rt-st
				Corticaria sp. B	1	-	rt-sf
				Apion (Erythrapion) sp.	1	-	oa-p
				Otiorhynchus sp.	1	-	oa-p
				Strophosomus sp.	1	-	oa-p
				Micrelus ericae	1	-	oa-p-m
				Limnobaris ?t-album	1	-	oa-p-d
				*Oligochaeta sp. (egg capsule)	15	m	u
				*Acarina sp.	15	m	u

E34: GALLOWGATE MIDDLE SCHOOL

Context: 60 Sample: 13/T ReM: D

Weight: 3.00 E: 3.00 F: 3.00

Notes: Entered HK 18/6/04. Recorded in flot and on filter paper. Range of decay seen even within single taxa, e.g. Bradycellus, Hydraena. E 1.5-4.5, mode 3.0 weak; F 2.0-5.0, mode 3.0 weak. Limnobaris ?t-album - named on short, non-overlapping elytral scales.

Taxon	n	SQ	ec				
Tipnus unicolor	24	-	rt-ss				
Xylodromus concinnus	6	-	rt-st				
Quedius sp.	6	-	u				
Olophrum piceum	5	-	oa				
Anotylus complanatus	5	-	rt-sf				
Bradycellus ruficollis	4	-	oa-m				
Hydraena sp.	4	-	oa-w				
Pterostichus diligens	3	-	oa-d				
Catops sp.	3	-	u				
Lesteva ?heeri	3	-	oa-d				
Stenus sp. A	3	-	u				
Lathrobium sp. B	3	-	u				
Aleocharinae sp. B	3	-	u				
Lathridius minutus group	3	-	rd-st				
Trechus obtusus or quadristriatus	2	-	oa				
Hydroporus sp. A	2	-	oa-w				
Hydroporus sp. B	2	-	oa-w				
Helophorus sp.	2	-	oa-w				

*Diptera sp. (puparium)	3	-	u	Aleocharinae sp. A	2	-	u
*Elateridae sp. (larva)	2	-	ob	Aleocharinae sp. D	2	-	u
*Formicidae sp.	2	-	u	Aphodius contaminatus	2	-	oa-rf
*Proctotrupoidea sp.	2	-	u	Simplocaria ?semistriata	2	-	oa-p
*Diptera sp. (larva)	1	-	u	Lochmaea suturalis	2	-	oa-p-m
*Coleoptera sp. (larva)	1	-	u	?Trapezonotus sp.	1	-	oa-p
*Chalcidoidea sp.	1	-	u	Scolopostethus ?decoratus	1	-	oa-p-m
*Araneae sp.	1	-	u	Cicadellidae sp.	1	-	oa-p

E34, Context: 70 Sample: 3/T ReM: D
Weight: 3.00 E: 3.00 F: 3.50

Notes: Entered HK 18/6/04. Recorded in flot and on fitler paper. Remains notably fragmented, limiting identifications severely (E 2.0-4.0, mode 3.0 weak; F 1.5-5.0, mode 3.5 weak). Includes remains from residue (AH tube). Denticollis larvae of various sizes and degree of certainty of identification.

Taxon	nSQ	ec					
Xantholinus linearis	37	-	rt-sf	Thanatophilus ?sinuatus	1	-	rf
Dyschirius globosus	32	-	oa	Megarthus sp.	1	-	rt
Bradycellus ruficollis	28	-	oa-m	Anthobium sp.	1	-	oa
Ulopa reticulata	18	-	oa-p-m	Lesteva ?longoelytrata	1	-	oa-d
Quedius boops group	18	-	u	Omalinae sp.	1	-	rt
Trechus quadristriatus	14	-	oa	Platystethus arenarius	1	-	rf
Micrelus ericae	12	-	oa-p-m	Anotylus rugosus	1	-	rt
Bembidion lampros	9	-	oa	Leptacinus sp.	1	-	rt-st
Olophrum piceum	9	-	oa	Gyrohypnus ?fracticornis	1	-	rt-st
Othius myrmecophilus	9	-	rt	Philonthus sp. B	1	-	u
Limnobaris ?t-album	9	-	oa-p-d	Mycetoporus sp. A	1	-	u
Aleocharinae sp. B	7	-	u	Tachinus laticollis or marginellus	1	-	u
Aleocharinae sp. C	7	-	u	Drusilla canaliculata	1	-	u
Altica ?britteni	7	-	oa-p-m	Aleocharinae sp. E	1	-	u
Stygnocoris pedestris	6	-	oa	Aleocharinae sp. F	1	-	u
Psylloidea sp.	6	-	oa-p	Aphodius sp. A	1	-	ob-rf
Aphrodes ?trifasciatus	5	-	oa-p	Aphodius sp. B	1	-	ob-rf
Aphodius ?prodromus	5	-	ob-rf	Hypnoidus riparius	1	-	oa-p
Pterostichus diligens	3	-	oa-d	Elateridae sp. A	1	-	ob
Megasternum obscurum	3	-	rt	Elateridae sp. B	1	-	ob
Acidota crenata	3	-	oa	Cantharidae sp. A	1	-	ob
Stenus sp. A	3	-	u	Cantharidae sp. B	1	-	ob
Stenus sp. B	3	-	u	?Aphidecta oblitterata	1	-	oa-p
Mycetoporus sp. B	3	-	u	Lathridius minutus group	1	-	rd-st
Aphodius sp. C	3	-	ob-rf	Corticaria sp. B	1	-	rt-sf
Corticaria sp. A	3	-	rt-sf	Phyllotreta sp.	1	-	oa-p
Longitarsus sp. B	3	-	oa-p	Longitarsus sp. A	1	-	oa-p
Notiophilus sp.	2	-	oa	Chaetocnema arida group	1	-	oa-p
Trichocellus cognatus	2	-	oa	Chaetocnema concinna	1	-	oa-p
Helophorus sp.	2	-	oa-w	Apion sp. A	1	-	oa-p
Cryptopleurum minutum	2	-	rf-st	Apion sp. B	1	-	oa-p
Scydmaenidae sp.	2	-	u	Sitona ?lepidus	1	-	oa-p
Anotylus nitidulus	2	-	rt	Ceuthorhynchinae sp.	1	-	oa-p
Stenus sp. C	2	-	u	*Acarina sp.	100	e	u
Stenus sp. D	2	-	u	*Auchenorhyncha sp. (nymph)	50	e	oa-p
Stenus sp. E	2	-	u	*Denticollis linearis (larva)	27	-	u
Lathrobium sp.	2	-	u	*Coccoidea sp.	15	m	u
Philonthus sp. A	2	-	u	*Formicidae sp.	15	m	u
Tachyporus ?hynporum	2	-	u	*Hymenoptera Parasitica sp.	15	m	u

*Hymenoptera sp.	6	s	u
*Proctotrupoidea sp.	6	s	u
*Lepidoptera sp. (pupa)	2	-	u
*Coleoptera sp. (larva)	1	-	u

E34, Context: 81 Sample: 2/T3 ReM: D
Weight: 7.20 E: 3.00 F: 3.50

Notes: Entered HK 21/6/04. Recorded in flot and on filter paper. Flot large (1 cm in jar), moss, fine plant debris, hairs. Difficult to sort, Fairly fragmented (hence numerous imprecise identifications), some patchy decay. Some very decayed, e.g. proportion of the *Bradycellus*. E 2.0-4.0, mode 3.0 weak; F 1.5-4.0, mode 3.5, weak. *Bruchus* was rufipes size.

Taxon	n	SQ	ec
Anotylus complanatus	22	-	rt-sf
Xylodromus concinnus	16	-	rt-st
Cercyon analis	13	-	rt-sf
Aleocharinae sp. A	11	-	u
Tipnus unicolor	11	-	rt-ss
Corticaria sp. A	11	-	rt-sf
Lathridius minutus group	9	-	rd-st
Pterostichus diligens	7	-	oa-d
Cercyon haemorrhoidalis	7	-	rf-sf
Corticaria sp. B	7	-	rt-sf
Megasternum obscurum	6	-	rt
Micropeplus fulvus	6	-	rt
Omalium ?allardi	6	-	rt
Aleocharinae sp. B	6	-	u
Atomaria sp. B	6	-	rd
Dropephylla vilis	5	-	l
Stenus sp. A	5	-	u
Gyrophypnus fracticornis	5	-	rt-st
Bradycellus ruficollis	4	-	oa-m
Lesteva heeri	4	-	oa-d
Aleocharinae sp. C	4	-	u
Aphodius prodromus or sphacelatus	4	-	ob-rf
Ptinus ?fur	4	-	rd-sf
Cryptophagus sp. D	4	-	rd-sf
Corticaria sp. C	4	-	rt-sf
Micrelus ericae	4	-	oa-p-m
Ulopa reticulata	3	-	oa-p-m
Dyschirius globosus	3	-	oa
Hydroporus sp. C	3	-	oa-w
Helophorus sp.	3	-	oa-w
Cercyon atricapillus	3	-	rf-st
Cercyon terminatus	3	-	rf-st
Anacaena ?globulus	3	-	oa-w
Hydraena sp.	3	-	oa-w
Ptenidium sp.	3	-	rt
Omalium ?caesum	3	-	rt-sf
Platystethus arenarius	3	-	rf
Lathrobium sp. D	3	-	u
Xantholinus longiventris	3	-	rt-sf
Aphodius fimetarius	3	-	oa-rf
Cryptophagus sp. B	3	-	rd-sf
Aglenus brunneus	3	-	rt-ss
Pterostichus nigrita	2	-	oa-d
Hydroporus sp. B	2	-	oa-w
Ochthebius sp.	2	-	oa-w
Acrotichis sp.	2	-	rt
Olophrum piceum	2	-	oa
Omalium ?rivulare	2	-	rt-sf
Omalinae sp. A	2	-	u
Anotylus rugosus	2	-	rt
Stenus sp. F	2	-	u
Ochthephilum sp.	2	-	oa-d
Philonthus sp. D	2	-	u
Quedius sp. A	2	-	u
Cratarea suturalis	2	-	rt-st
Aleocharinae sp. F	2	-	u
Clambus sp.	2	-	rt-sf
Cryptophagus acutangulus	2	-	rd-sf
Orthoperus sp.	2	-	rt
Corticaria sp.	2	-	rt
Bruchus sp.	2	-	u
Ceutorhynchus ?contractus	2	-	oa-p
Lygaeidae sp.	1	-	oa-p
Saldidae sp.	1	-	oa-d
Cicadellidae sp.	1	-	oa-p
Delphacidae sp.	1	-	oa-p
Carabus problematicus	1	-	oa
Elaphrus cupreus	1	-	oa-d
Loricera pilicornis	1	-	oa
Patrobus sp.	1	-	oa
Trechus quadristriatus	1	-	oa
Bembidion sp.	1	-	oa
Pterostichus melanarius	1	-	ob
Calathus sp.	1	-	oa
Amara sp.	1	-	oa
?Bradycellus sp.	1	-	oa
Hydroporus sp. A	1	-	oa-w
Hydroporinae sp.	1	-	oa-w
Agabus sp.	1	-	oa-w
Colymbetinae sp.	1	-	oa-w
Helophorus aquaticus or grandis	1	-	oa-w
Cercyon unipunctatus	1	-	rf-st
Hydrobius fuscipes	1	-	oa-w
Gnathoncus sp.	1	-	rt-sf
?Catops sp.	1	-	u
Scydmaenidae sp. A	1	-	u
Scydmaenidae sp. B	1	-	u
Megarthus sp.	1	-	rt
Proteinus sp.	1	-	rt
Omalium ?excavatum	1	-	rt-sf
Omalinae sp. B	1	-	u
Carpelimus ?bilineatus	1	-	rt-sf
Anotylus nitidulus	1	-	rt
Oxytelus sculptus	1	-	rt-st
Stenus sp. B	1	-	u
Stenus sp. C	1	-	u
Stenus sp. D	1	-	u
Stenus sp. E	1	-	u
Stenus sp. G	1	-	u
Stenus sp. H	1	-	u
Euaesthetus bipunctatus	1	-	oa
Lathrobium sp. A	1	-	u

Lathrobium sp. B	1	-	u	*Pulex irritans	2	-	ss
Lathrobium sp. C	1	-	u	*Cladocera sp. (ephippium)	1	-	oa-w
Othius sp.	1	-	rt	*Diptera sp. (adult)	1	-	u
Neobisnius sp.	1	-	u	*?Melophagus ovinus (puparium)	1	-	u
Philonthus sp. A	1	-	u	*Syrphidae sp. (larva)	1	-	u
Philonthus sp. B	1	-	u	*Hymenoptera Parasitica sp.	1	-	u
Philonthus sp. C	1	-	u	*Hymenoptera sp.	1	-	u
Philonthus or Gabrius sp.	1	-	u	*Aranae sp.	1	-	u
Quedius cinctus	1	-	rt				
Quedius sp. B	1	-	u				
Staphylininae sp. A	1	-	u	E34, Context: 83 Sample: 1/T3			ReM: D
Staphylininae sp. B	1	-	u	Weight: 9.35 E: 2.50 F: 3.00			
Staphylininae sp. C	1	-	u				
Mycetoporus sp.	1	-	u	Notes: Entered HK 22/6/04. Recorded in flot and on filter			
Tachyporus sp. A	1	-	u	paper. Flot large: 1 cm in jar, moss leaves, plant fragments,			
Tachyporus sp. B	1	-	u	black lumps and invertebrates. Preservation variable, good			
Tachinus sp.	1	-	u	to poor, fragmentation perhaps bimodal. E 1.5-4.5, mode			
Aleochara sp.	1	-	u	2.5 weak; F 1.5-5.5, mode 3.0 weak.			
Aleocharinae sp. D	1	-	u				
Aleocharinae sp. E	1	-	u	Taxon			nSQ ec
Aleocharinae sp. G	1	-	u	Anotylus complanatus	22	-	rt-sf
Aleocharinae sp. H	1	-	u	Cercyon analis	15	-	rt-sf
Euplectini sp.	1	-	u	Corticaria sp. C	14	-	rt-sf
Pselaphidae sp.	1	-	u	Megasternum obscurum	13	-	rt
Geotrupes sp.	1	-	oa-rf	Xylodromus concinnus	12	-	rt-st
Aphodius contaminatus	1	-	oa-rf	Olophrum piceum	8	-	oa
Aphodius sp.	1	-	ob-rf	Lesteva heeri	8	-	oa-d
Dryops sp.	1	-	oa-d	Lathrobium sp. B	8	-	u
Hypnoidus riparius	1	-	oa-p	Micrelus ericae	7	-	oa-p-m
Melanotus sp.	1	-	l	Dyschirius globosus	6	-	oa
Elateridae sp.	1	-	ob	Bradycellus ruficollis	6	-	oa-m
Anobium punctatum	1	-	l-sf	Stenus sp. D	6	-	u
Monotoma longicollis	1	-	rt-st	Aphodius sphaelatus	6	-	oa-rf
Monotoma picipes	1	-	rt-st	Tipnus unicolor	6	-	rt-ss
Cryptophagus scutellatus	1	-	rd-st	Pterostichus diligens	5	-	oa-d
Cryptophagus sp. A	1	-	rd-sf	Dropephylla vilis	5	-	l
Cryptophagus sp. C	1	-	rd-sf	Cratarea suturalis	5	-	rt-st
Atomaria sp. A	1	-	rd	Aleocharinae sp. A	5	-	u
Plateumaris sp.	1	-	oa-d-p	Aleocharinae sp. B	5	-	u
Chrysolina fastuosa	1	-	oa-p	Aphodius fimetarius	5	-	oa-rf
Longitarsus sp.	1	-	oa-p	Cryptophagus sp. A	5	-	rd-sf
Chaetocnema arida group	1	-	oa-p	Cryptophagus sp. C	5	-	rd-sf
Strophosomus sus	1	-	oa-p-m	Orthoperus sp.	5	-	rt
Sitona lepidus	1	-	oa-p	Corticaria sp. A	5	-	rt-sf
Cidnorhinus quadrimaculatus	1	-	oa-p	Lathrobium sp. A	4	-	u
Curculionidae sp.	1	-	oa	Othius sp.	4	-	rt
Curculionidae sp. B	1	-	oa	Tachyporus sp. A	4	-	u
Dryocoetinus villosus	1	-	l	Mycetaea hirta	4	-	rd-ss
Scolytidae sp.	1	-	l	Hydroporinae sp. B	3	-	oa-w
Coleoptera sp.	1	-	u	Hydroporinae sp. C	3	-	oa-w
*Acarina sp.	100	e	u	Helophorus grandis	3	-	oa-w
*Diptera sp. (puparium)	15	m	u	Helophorus sp. B	3	-	oa-w
*Oligochaeta sp. (egg capsule)	6	s	u	Omalius ?italicum	3	-	rt-sf
*Daphnia sp. (ephippium)	6	s	oa-w	Platystethus arenarius	3	-	rf
*Dermaptera sp.	6	s	u	Stenus sp. F	3	-	u
*Aphidoidea sp.	6	s	u	Philonthus sp. B	3	-	u
*Coleoptera sp. (larva)	6	s	u	Philonthus sp. C	3	-	u
*Formicidae sp.	4	-	u	Staphylininae sp. A	3	-	u
*Mallophaga sp.	2	-	u	Pselaphidae sp. B	3	-	u
*Coccoidea sp.	2	-	u	Anobium punctatum	3	-	l-sf

Ptinus fur	3	-	rd-sf	Thanatophilus ?sinuatus	1	-	rf
Lathridius minutus group	3	-	rd-st	Silpha atrata	1	-	u
Corticaria sp. B	3	-	rt-sf	Micropeplus fulvus	1	-	rt
Sitophilus granarius	3	-	g-ss	Metopsia retusa	1	-	u
Bembidion sp. A	2	-	oa	Acidota cruentata	1	-	oa
Hydroporinae sp. A	2	-	oa-w	Lesteva longoelytrata	1	-	oa-d
Helophorus sp. A	2	-	oa-w	Omalium ?caesum	1	-	rt-sf
Cercyon haemorrhoidalis	2	-	rf-sf	Carpelimus sp.	1	-	u
Cercyon terminatus	2	-	rf-st	Anotylus rugosus	1	-	rt
Anacaena sp.	2	-	oa-w	Stenus sp. A	1	-	u
Gnathoncus sp. A	2	-	rt-sf	Stenus sp. G	1	-	u
Ochthebius minimus	2	-	oa-w	Stenus sp. H	1	-	u
Catops sp.	2	-	u	Lathrobium sp. C	1	-	u
Scydmaenidae sp.	2	-	u	Leptacinus sp.	1	-	rt-st
Acidota crenata	2	-	oa	Xantholinus sp.	1	-	u
Omalium ?allardi	2	-	rt	Philonthus sp. A	1	-	u
Omalium rivulare	2	-	rt-sf	Staphylininae sp. B	1	-	u
Carpelimus ?bilineatus	2	-	rt-sf	Mycetoporus sp.	1	-	u
Stenus sp. B	2	-	u	Tachyporus sp. B	1	-	u
Stenus sp. C	2	-	u	Drusilla canaliculata	1	-	u
Stenus sp. E	2	-	u	Aleocharinae sp. C	1	-	u
Euaesthetus bipunctatus	2	-	oa	Aleocharinae sp. E	1	-	u
Gyrophypnus angustatus	2	-	rt-st	Aleocharinae sp. G	1	-	u
Gyrophypnus fracticornis	2	-	rt-st	Aleocharinae sp. H	1	-	u
Tachinus signatus	2	-	u	Pselaphus heisei	1	-	u
Aleochara sp.	2	-	u	Geotrupes sp.	1	-	oa-rf
Aleocharinae sp. D	2	-	u	Aphodius ?ater	1	-	oa-rf
Aleocharinae sp. F	2	-	u	Cyphon sp.	1	-	oa-d
Pselaphidae sp. A	2	-	u	Byrrhus sp.	1	-	oa-p
Aphodius ?contaminatus	2	-	oa-rf	Omosita colon	1	-	rt-sf
Clambus sp.	2	-	rt-sf	Monotoma sp.	1	-	rt-sf
Atomaria sp. A	2	-	rd	Cryptophagus sp. B	1	-	rd-sf
Aglenus brunneus	2	-	rt-ss	Atomaria sp. B	1	-	rd
Saldidae sp.	1	-	oa-d	Coccinellidae sp.	1	-	oa-p
Ulopa reticulata	1	-	oa-p-m	Dienerella sp.	1	-	rd-sf
Cicadellidae sp.	1	-	oa-p	Corticarina or Cortinicara sp.	1	-	rt
Nebria brevicollis	1	-	oa	Bruchus sp.	1	-	u
Notiophilus sp.	1	-	oa	Plateumaris sp.	1	-	oa-d-p
Patrobus sp.	1	-	oa	Donaciinae sp.	1	-	oa-d-p
Trechus obtusus or quadristriatus	1	-	oa	Chrysolina fastuosa	1	-	oa-p
Bembidion sp. B	1	-	oa	?Gastrophysa sp.	1	-	oa-p
Pterostichus sp.	1	-	ob	Altica sp.	1	-	oa-p
Agonum sp.	1	-	oa	Chaetocnema concinna	1	-	oa-p
Harpalus sp. A	1	-	oa	Strophosomus sus	1	-	oa-p-m
Harpalus sp. B	1	-	oa	Hypera sp.	1	-	oa-p
Harpalus sp. C	1	-	oa	Eremotes ater	1	-	l
Haliphus sp.	1	-	oa-w	Ceutorhynchus ?contractus	1	-	oa-p
Agabus bipustulatus	1	-	oa-w	Ceutorhynchus sp.	1	-	oa-p
Agabus or Ilybius sp.	1	-	oa-w	Curculionidae sp.	1	-	oa
Helophorus nubilus	1	-	oa	*Acarina sp.	500	e	u
Cercyon atricapillus	1	-	rf-st	*Oligochaeta sp. (egg capsule)	6	s	u
Cercyon unipunctatus	1	-	rf-st	*Diptera sp. (puparium)	6	s	u
Cryptopleurum minutum	1	-	rf-st	*Coleoptera sp. (larva)	6	s	u
Chaetarthria seminulum	1	-	oa-w	*Pulex irritans	5	-	ss
Acritus nigricornis	1	-	rt-st	*Formicidae sp.	2	-	u
Gnathoncus sp. B	1	-	rt-sf	*Hymenoptera sp.	2	-	u
Onthophilus striatus	1	-	rt-sf	*Daphnia sp. (ephippium)	1	-	oa-w
Histerinae sp.	1	-	rt	*Dermaptera sp.	1	-	u
Hydraena sp.	1	-	oa-w	*Auchenorhyncha sp. (nymph)	1	-	oa-p
Limnebius sp.	1	-	oa-w	*Elateridae sp. (larva)	1	-	ob

*Chalcidoidea sp.	1	-	u	Cercyon terminatus	1	-	rf-st
*Proctotrupoidea sp.	1	-	u	Megasternum obscurum	1	-	rt
*Araneae sp.	1	-	u	?Anacaena sp.	1	-	oa-w
*Cristatella mucedo (statoblast)	1	-	w	Limnebius ?truncatellus	1	-	oa-w

E34, Context: 84 Sample: 21/T3 ReM: D
Weight: 2.80 E: 2.00 F: 3.00

Notes: Entered HK 22/6/04. Recorded in flot and on filter paper. Four-dish flot, fine plant debris and invertebrates. Preservation rather good to rather poor. Some very decayed Stenus and Bradycellus. E 2.0-4.0, no mode; F 2.0-4.5, mode 3.0 weak.

Taxon	n	SQ	ec				
Anotylus complanatus	7	-	rt-sf	Oxytelus sculptus	1	-	rt-st
Micropeplus fulvus	6	-	rt	Stenus sp. B	1	-	u
Tipnus unicolor	6	-	rt-ss	Stenus sp. E	1	-	u
Cercyon analis	5	-	rt-sf	Euaesthetus bipunctatus	1	-	oa
Aleocharinae sp. D	4	-	u	Othius myrmecophilus	1	-	rt
Atomaria sp. A	4	-	rd	Leptacinus sp. B	1	-	rt-st
Orthoperus sp.	4	-	rt	Gyrohypnus angustatus	1	-	rt-st
Micrelus ericae	4	-	oa-p-m	Gyrohypnus fracticornis	1	-	rt-st
Helophorus sp.	3	-	oa-w	Xantholinus sp.	1	-	u
Hydraena sp.	3	-	oa-w	Philonthus sp. A	1	-	u
Omalium ?allardi	3	-	rt	Philonthus sp. B	1	-	u
Xylodromus concinnus	3	-	rt-st	Staphylininae sp. A	1	-	u
Lathrobium sp.	3	-	u	Staphylininae sp. B	1	-	u
Cryptophagus sp. B	3	-	rd-sf	Staphylininae sp. C	1	-	u
Lathridius minutus group	3	-	rd-st	Tachyporus sp.	1	-	u
Corticaria sp. A	3	-	rt-sf	Aleocharinae sp. A	1	-	u
Corticaria sp. C	3	-	rt-sf	Aleocharinae sp. B	1	-	u
Ceutorhynchus contractus	3	-	oa-p	Aleocharinae sp. C	1	-	u
Pterostichus diligens	2	-	oa-d	Pselaphidae sp.	1	-	u
Lesteva longoelytrata	2	-	oa-d	Aphodius fimetarius	1	-	oa-rf
Dropephylla ?vilis	2	-	l	Aphodius prodromus or sphacelatus	1	-	ob-rf
Stenus sp. A	2	-	u	Aphodius sp.	1	-	ob-rf
Stenus sp. C	2	-	u	?Phyllopertha horticola	1	-	oa-p
Stenus sp. D	2	-	u	Clambus sp. A	1	-	rt-sf
Leptacinus sp. A	2	-	rt-st	Clambus sp. B	1	-	rt-sf
?Cratarea suturalis	2	-	rt-st	Cyphon sp.	1	-	oa-d
Aleocharinae sp. E	2	-	u	Anobium ?punctatum	1	-	l-sf
Cryptophagus sp. A	2	-	rd-sf	Ptinus sp.	1	-	rd-sf
Corticaria sp. B	2	-	rt-sf	Cryptophagus sp. C	1	-	rd-sf
Corticaria sp. D	2	-	rt-sf	Atomaria sp. B	1	-	rd
Saldidae sp.	1	-	oa-d	Aglenus brunneus	1	-	rt-ss
Aphrodes sp.	1	-	oa-p	Plateumaris sp.	1	-	oa-d-p
Dyschirius globosus	1	-	oa	Chrysolina fastuosa	1	-	oa-p
Pterostichus sp.	1	-	ob	Altica sp.	1	-	oa-p
Calathus fuscipes	1	-	oa	Apion sp.	1	-	oa-p
Agonum sp.	1	-	oa	Ceutorhynchus sp.	1	-	oa-p
Bradycellus ?ruficollis	1	-	oa-m	*Acarina sp.	100	e	u
Bradycellus sp.	1	-	oa	*Diptera sp. (puparium)	50	e	u
Carabidae sp. A	1	-	ob	*Daphnia sp. (ephippium)	6	s	oa-w
Carabidae sp. B	1	-	ob	*Diptera sp. (adult)	3	-	u
Hydroporus sp. A	1	-	oa-w	*Pulex irritans	3	-	ss
Hydroporus sp. B	1	-	oa-w	*Coleoptera sp. (larva)	2	-	u
Agabus bipustulatus	1	-	oa-w	*Oligochaeta sp. (egg capsule)	1	-	u
Helophorus aquaticus or grandis	1	-	oa-w	*Dermaptera sp.	1	-	u

*Melophagus ovinus (adult)	1	-	u
*Elateridae sp. (larva)	1	-	ob
*Hymenoptera sp.	1	-	u
*Proctotrupoidea sp.	1	-	u
*Insecta sp. (larva)	1	-	u

E34, Context: 88 Sample: 17/T ReM: D
Weight: 3.00 E: 2.50 F: 2.50

Notes: Entered HK 22/6/04. Recorded in flot and on filter paper. Flot 5 mm in jar. AH tube from residue contained a cocoon of some kind. E 1.5-3.0, mode 2.5 weak; F 1.5-5.0, mode 2.5 weak.

Taxon	n	SQ	ec
Aphodius prodromus	6	-	ob-rf
Aphodius sphacelatus	6	-	oa-rf
Helophorus sp. A	4	-	oa-w
Aleocharinae sp. E	3	-	u
Aphodius contaminatus	3	-	oa-rf
Delphacidae sp. B	2	-	oa-p
Omalium ?caesum	2	-	rt-sf
Omalium rivulare	2	-	rt-sf
Xantholinus sp.	2	-	u
Cryptophagus sp. A	2	-	rd-sf
Cryptophagus sp. B	2	-	rd-sf
Lathridius minutus group	2	-	rd-st
Gallerucella tenella	2	-	oa-p
Ceuthorrhynchinae sp.	2	-	oa-p
Ulopa reticulata	1	-	oa-p-m
Cicadella viridis	1	-	oa-p
Cicadellidae sp.	1	-	oa-p
Delphacidae sp. A	1	-	oa-p
Dyschirius globosus	1	-	oa
Calathus sp.	1	-	oa
Harpalus affinis	1	-	oa
Bradycellus sp.	1	-	oa
Helophorus sp. B	1	-	oa-w
Megasternum obscurum	1	-	rt
Leiodes sp.	1	-	u
Scydmaenidae sp.	1	-	u
Micropeplus fulvus	1	-	rt
Xylodromus ?concinnus	1	-	rt-st
Anotylus nitidulus	1	-	rt
Stenus sp. A	1	-	u
Stenus sp. B	1	-	u
Gyrophypnus fracticornis	1	-	rt-st
Quedius cinctus	1	-	rt
Staphylininae sp. A	1	-	u
Staphylininae sp. B	1	-	u
Tachyporus sp.	1	-	u
Aleochara sp.	1	-	u
Aleocharinae sp. A	1	-	u
Aleocharinae sp. B	1	-	u
Aleocharinae sp. C	1	-	u
Aleocharinae sp. D	1	-	u
Aleocharinae sp. F	1	-	u
Aleocharinae sp. G	1	-	u
Aleocharinae sp. H	1	-	u

Aphodius sp.	1	-	ob-rf
Phyllopertha horticola	1	-	oa-p
Clambus sp.	1	-	rt-sf
Hypnoidus riparius	1	-	oa-p
Elateridae sp. A	1	-	ob
Elateridae sp. B	1	-	ob
Ptinus ?fur	1	-	rd-sf
Meligethes sp.	1	-	oa-p
Corticaria sp.	1	-	rt-sf
Corticarina or Cortinicara sp.	1	-	rt
Rhinosimus planirostris	1	-	l
Apion sp.	1	-	oa-p
Strophosomus ?sus	1	-	oa-p-m
Sitona sp.	1	-	oa-p
Notaris acridulus	1	-	oa-d-p
Anthonomus brunnipennis	1	-	oa-p
*Acarina sp.	6	s	u
*Aphidoidea sp.	4	-	u
*Coleoptera sp. (larva)	3	-	u
*Diptera sp. (adult)	2	-	u
*Diptera sp. (puparium)	2	-	u
*Auchenorhyncha sp. (nymph)	1	-	oa-p
*Siphonaptera sp.	1	-	u
*?Denticollis linearis (larva)	1	-	u
*Chalcidoidea sp.	1	-	u
*Hymenoptera sp.	1	-	u
*Araneae sp.	1	-	u

E34, Context: 104 Sample: 16/T3 ReM: D
Weight: 3.60 E: 3.00 F: 3.00

Notes: Entered HK 22/6/04. Recorded in flot and on filter paper. Flot of moderate size, lots of hair or wool. E 2.0-3.5, mode 3.0 weak; F 1.5-4.0, mode 3.0 weak.

Taxon	n	SQ	ec
Corticaria sp. C	12	-	rt-sf
Anotylus complanatus	11	-	rt-sf
Monotoma longicollis	9	-	rt-st
Lathridius minutus group	9	-	rd-st
Ptinus fur	7	-	rd-sf
Cryptophagus sp. B	7	-	rd-sf
Xylodromus concinnus	6	-	rt-st
Orthoperus sp.	6	-	rt
Helophorus ?grandis	5	-	oa-w
Micropeplus fulvus	5	-	rt
Stenus sp. C	5	-	u
Tipnus unicolor	5	-	rt-ss
Atomaria sp. C	5	-	rd
Cercyon haemorrhoidalis	4	-	rf-sf
Ptenidium sp.	4	-	rt
Gyrophypnus fracticornis	4	-	rt-st
Aleocharinae sp. A	4	-	u
Aleocharinae sp. B	4	-	u
Atomaria sp. B	4	-	rd
Corticaria sp. A	4	-	rt-sf
Ulopa reticulata	3	-	oa-p-m
Helophorus sp. B	3	-	oa-w
Cercyon analis	3	-	rt-sf

Hydrobius fuscipes	3	-	oa-w	Euaesthetus sp.	1	-	oa
Omalium rivulare	3	-	rt-sf	Lathrobium sp. A	1	-	u
Aphodius sphacelatus	3	-	oa-rf	Lathrobium sp. B	1	-	u
Monotoma picipes	3	-	rt-st	Othius sp.	1	-	rt
Bradycellus ruficollis	2	-	oa-m	Leptacinus ?pusillus	1	-	rt-st
Hydroporus sp. B	2	-	oa-w	Philonthus sp. A	1	-	u
Agabus bipustulatus	2	-	oa-w	Philonthus sp. B	1	-	u
Megasternum obscurum	2	-	rt	Philonthus sp. C	1	-	u
Acrotrichis sp.	2	-	rt	Philonthus sp. D	1	-	u
Phyllodrepa ?floralis	2	-	rt-sf	Quedius sp. A	1	-	u
Dropephylla sp.	2	-	u	Quedius sp. B	1	-	u
Omalium ?caesum	2	-	rt-sf	Staphylininae sp. A	1	-	u
Platystethus arenarius	2	-	rf	Tachyporus ?hypnorum	1	-	u
Anotylus nitidulus	2	-	rt	Aleocharinae sp. D	1	-	u
Anotylus rugosus	2	-	rt	Aleocharinae sp. E	1	-	u
Leptacinus ?intermedius	2	-	rt-st	Aleocharinae sp. F	1	-	u
Xantholinus sp.	2	-	u	Geotrupes sp.	1	-	oa-rf
Aleocharinae sp. C	2	-	u	Aphodius sp.	1	-	ob-rf
Aphodius contaminatus	2	-	oa-rf	Dascillus cervinus	1	-	oa-p
Clambus sp.	2	-	rt-sf	Cyphon sp.	1	-	oa-d
Brachypterus sp.	2	-	oa-p	Elmis aenea	1	-	oa-w
Meligethes sp. A	2	-	oa-p	Ctenicera cuprea	1	-	oa-p
Aglenus brunneus	2	-	rt-ss	Cantharis sp.	1	-	ob
Lygaeidae sp.	1	-	oa-p	Cantharis or Rhagonycha sp.	1	-	ob
Lycocoris campestris	1	-	rd-st	Meligethes sp. B	1	-	oa-p
Corixidae sp.	1	-	oa-w	Cryptophagus sp. A	1	-	rd-sf
Cicadellidae sp. A	1	-	oa-p	Atomaria sp. A	1	-	rd
Cicadellidae sp. B	1	-	oa-p	Dienerella sp.	1	-	rd-sf
Delphacidae sp.	1	-	oa-p	Corticaria sp. B	1	-	rt-sf
Psylloidea sp.	1	-	oa-p	Corticaria or Cortinicara sp.	1	-	rt
Loricera pilicornis	1	-	oa	Rhinosimus planirostris	1	-	l
Dyschirius globosus	1	-	oa	Donaciinae sp.	1	-	oa-d-p
Trechus quadristriatus	1	-	oa	Longitarsus sp.	1	-	oa-p
Pterostichus ?diligens	1	-	oa-d	Altica sp.	1	-	oa-p
Amara sp.	1	-	oa	Micrelus ericae	1	-	oa-p-m
Carabidae sp.	1	-	ob	Cidnorrhinus quadrimaculatus	1	-	oa-p
Hydroporus sp. A	1	-	oa-w	Ceutorhynchus sp.	1	-	oa-p
Hydroporinae sp.	1	-	oa-w	*Acarina sp.	100	e	u
Helophorus nubilus	1	-	oa	*Chironomidae sp. (larva)	50	e	w
Helophorus sp. A	1	-	oa-w	*Diptera sp. (puparium)	15	m	u
Cercyon atricapillus	1	-	rf-st	*Oligochaeta sp. (egg capsule)	6	s	u
Cercyon terminatus	1	-	rf-st	*Daphnia sp. (ephippium)	6	-	oa-w
Cryptopleurum minutum	1	-	rf-st	*Aranae sp.	6	s	u
Anacaena sp.	1	-	oa-w	*Coleoptera sp. (larva)	3	-	u
Laccobius sp.	1	-	oa-w	*Pulex irritans	2	-	ss
Hydrophilinae sp.	1	-	oa-w	*Hymenoptera Parasitica sp.	2	-	u
Acritus nigricornis	1	-	rt-st	*Cladocera sp. S (ephippium)	1	-	oa-w
Ochthebius minimus	1	-	oa-w	*Forficula sp.	1	-	u
Hydraena sp.	1	-	oa-w	*Aphidoidea sp.	1	-	u
Limnebius ?truncatellus	1	-	oa-w	*Coccoidea sp.	1	-	u
Limnebius sp.	1	-	oa-w	*Diptera sp. (adult)	1	-	u
Catops sp.	1	-	u	*Bibionidae sp.	1	-	u
Olophrum piceum	1	-	oa	*Chalcidoidea sp.	1	-	u
Lesteva longoelytrata	1	-	oa-d	*Hymenoptera sp.	1	-	u
Omalium excavatum	1	-	rt-sf	*Proctotrupeoidea sp.	1	-	u
Omalinae sp.	1	-	rt				
Carpelimus ?bilineatus	1	-	rt-sf				
Stenus sp. A	1	-	u	E34, Context: 107 Sample: 27/T3			ReM: D
Stenus sp. B	1	-	u	Weight: 5.60			E: 2.50 F: 2.50
Stenus sp. D	1	-	u				

Notes: Entered HK 22/6/04. Recorded in flot and on filter paper. Preservation variable, from very good to rather poor: E 1.0-4.0, mode 2.5 distinct; F 1.0-4.5, mode 2.5 weak.

Taxon	n	SQ	ec				
Cercyon analis	34	-	rt-sf	Meligethes sp.	2	-	oa-p
Megasternum obscurum	12	-	rt	Cryptophagus sp. B	2	-	rd-sf
Omalium rivulare	11	-	rt-sf	Atomaria sp. B	2	-	rd
Xylodromus concinnus	11	-	rt-st	Corticaria sp. C	2	-	rt-sf
Stenus sp. C	10	-	u	Longitarsus sp.	2	-	oa-p
Anotylus complanatus	9	-	rt-sf	Stygnocoris pedestris	1	-	oa
Aleocharinae sp. D	9	-	u	Saldidae sp.	1	-	oa-d
Lathridius minutus group	9	-	rd-st	Corixidae sp.	1	-	oa-w
Gyrophypnus fracticornis	7	-	rt-st	Philaenus spumarius	1	-	oa-p
Aleocharinae sp. C	6	-	u	Cicadellidae sp.	1	-	oa-p
Dyschirius globosus	5	-	oa	Loricera pilicornis	1	-	oa
Bradycellus ruficollis	5	-	oa-m	Clivina fossor	1	-	oa
Xantholinus linearis	5	-	rt-sf	Patrobus assimilis	1	-	oa
Philonthus sp. C	5	-	u	Trechus obtusus or quadristriatus	1	-	oa
Aleocharinae sp. H	5	-	u	Pterostichus melanarius	1	-	ob
Tipnus unicolor	5	-	rt-ss	Pterostichus strenuus	1	-	oa
Stenus sp. D	4	-	u	Amara sp.	1	-	oa
Cryptophagus sp. A	4	-	rd-sf	Bradycellus sp.	1	-	oa
Orthoperus sp.	4	-	rt	Hydroporus sp. B	1	-	oa-w
Corticaria sp. A	4	-	rt-sf	Agabus bipustulatus	1	-	oa-w
Nebria brevicollis	3	-	oa	Cercyon ?atricapillus	1	-	rf-st
Helophorus sp. B	3	-	oa-w	Cryptopleurum minutum	1	-	rf-st
Helophorus sp. C	3	-	oa-w	Acritus nigricornis	1	-	rt-st
Cercyon haemorrhoidalis	3	-	rf-sf	Onthophilus striatus	1	-	rt-sf
Cercyon unipunctatus	3	-	rf-st	Limnebius truncatellus	1	-	oa-w
Megarthus ?depressus	3	-	rt-sf	Acrotichis sp.	1	-	rt
Platystethus arenarius	3	-	rf	Silpha atrata	1	-	u
Philonthus sp. B	3	-	u	Scydmaenidae sp.	1	-	u
Quedius boops group	3	-	u	Micropeplus fulvus	1	-	rt
Quedius cinctus	3	-	rt	Lesteva ?heeri	1	-	oa-d
Aleocharinae sp. F	3	-	u	Dropephylla ?vilis	1	-	l
Aphodius contaminatus	3	-	oa-rf	Omalinae sp.	1	-	rt
Aphodius prodromus	3	-	ob-rf	Aploderus caelatus	1	-	rt
Clambus pubescens	3	-	rt-sf	Stenus sp. A	1	-	u
Ptinus fur	3	-	rd-sf	Stenus sp. B	1	-	u
Corticaria sp. B	3	-	rt-sf	Stenus sp. E	1	-	u
Ceutorhynchus ?contractus	3	-	oa-p	Stenus sp. F	1	-	u
Trechus obtusus	2	-	oa	Stenus sp. G	1	-	u
Bembidion lampros	2	-	oa	Lathrobium sp.	1	-	u
Hydroporus sp. A	2	-	oa-w	Othius sp.	1	-	rt
Helophorus aquaticus or grandis	2	-	oa-w	Leptacinus ?pusillus	1	-	rt-st
Helophorus sp. A	2	-	oa-w	Gyrophypnus angustatus	1	-	rt-st
Cercyon terminatus	2	-	rf-st	Erichsonius cinerascens	1	-	oa-d
Ptenidium sp.	2	-	rt	Philonthus sp. D	1	-	u
Olophrum piceum	2	-	oa	Philonthus sp. E	1	-	u
Omalium caesum	2	-	rt-sf	Gabrius sp.	1	-	rt
Omalium excavatum	2	-	rt-sf	Staphylinus sp.	1	-	u
Carpelimus bilineatus	2	-	rt-sf	Quedius sp.	1	-	u
Oxytelus sculptus	2	-	rt-st	Tachyporus obtusus	1	-	u
Euaesthetus bipunctatus	2	-	oa	Tachinus sp.	1	-	u
Philonthus sp. A	2	-	u	Falagria or Cordalia sp.	1	-	rt-sf
Tachinus ?laticollis	2	-	u	Aleocharinae sp. B	1	-	u
Aleocharinae sp. A	2	-	u	Aleocharinae sp. E	1	-	u
Pselaphidae sp.	2	-	u	Aleocharinae sp. G	1	-	u
Aphodius fimetarius	2	-	oa-rf	Aleocharinae sp. I	1	-	u
				Aleocharinae sp. J	1	-	u
				Geotrupes sp.	1	-	oa-rf
				Aphodius ?sphacelatus	1	-	oa-rf
				Cyphon sp.	1	-	oa-d
				Byrrhidae sp.	1	-	oa-p

Elateridae sp.	1	-	ob	Tipnus unicolor	14	-	rt-ss
Cantharis ?lateralis	1	-	ob	Lathridius minutus group	14	-	rd-st
Monotoma longicollis	1	-	rt-st	Stenus sp. C	12	-	u
Monotoma sp.	1	-	rt-sf	Corticaria sp. A	12	-	rt-sf
Cryptophagus scutellatus	1	-	rd-st	Aleocharinae sp. A	11	-	u
Cryptophagus sp. C	1	-	rd-sf	Clambus sp.	10	-	rt-sf
Atomaria sp. A	1	-	rd	Micrelus ericae	8	-	oa-p-m
Atomaria sp. C	1	-	rd	Omalium ?allardi	7	-	rt
Corticaria sp. D	1	-	rt-sf	Bradycellus ruficollis	6	-	oa-m
Rhinosimus planirostris	1	-	l	Helophorus sp. B	6	-	oa-w
Bruchus sp.	1	-	u	Aleocharinae sp. B	6	-	u
Chrysomelinae sp.	1	-	oa-p	Aphodius ?sphacelatus	6	-	oa-rf
Phyllotreta sp.	1	-	oa-p	Atomaria sp.	6	-	rd
Altica sp.	1	-	oa-p	Corticaria sp. B	5	-	rt-sf
Chaetocnema arida group	1	-	oa-p	Dyschirius globosus	4	-	oa
Chaetocnema concinna	1	-	oa-p	Pterostichus diligens	4	-	oa-d
Psylliodes sp.	1	-	oa-p	Cercyon haemorrhoidalis	4	-	rf-sf
Strophosomus sp.	1	-	oa-p	Lesteva heeri	4	-	oa-d
Hypera sp.	1	-	oa-p	Omalium ?excavatum	4	-	rt-sf
Micrelus ericae	1	-	oa-p-m	Platystethus arenarius	4	-	rf
Limnobaris sp.	1	-	oa-p-d	Xantholinus linearis	4	-	rt-sf
Anthonomus brunnipennis	1	-	oa-p	Quedius boops group	4	-	u
*Acarina sp.	100	e	u	Helophorus sp. A	3	-	oa-w
*Coccoidea sp.	50	e	u	Acrotrichis sp.	3	-	rt
*Diptera sp. (pupa)	15	m	u	Anotylus complanatus	3	-	rt-sf
*Diptera sp. (puparium)	15	m	u	Quedius sp.	3	-	u
*Coleoptera sp. (larva)	15	m	u	Tachinus ?laticollis	3	-	u
*Pulex irritans	10	e	ss	Aleocharinae sp. C	3	-	u
*Oligochaeta sp. (egg capsule)	6	s	u	Aleocharinae sp. E	3	-	u
*Daphnia sp. (ephippium)	6	s	oa-w	Aphodius fimetarius	3	-	oa-rf
*Diptera sp. (adult)	6	s	u	Ptinus fur	3	-	rd-sf
*Bibionidae sp.	6	s	u	Corixidae sp.	2	-	oa-w
*Syrphidae sp. (larva)	6	s	u	Ulopa reticulata	2	-	oa-p-m
*Insecta sp. (immature)	6	s	u	Trechus obtusus or quadristriatus	2	-	oa
*Aranae sp.	6	s	u	Hydroporus sp.	2	-	oa-w
*Proctotrupoidea sp.	3	-	u	Helophorus aquaticus	2	-	oa-w
*Aphidoidea sp.	2	-	u	Hydrobius fuscipes	2	-	oa-w
*Formicidae sp.	2	-	u	Anacaena sp.	2	-	oa-w
*Trichoptera sp.	1	-	oa-w	Ptenidium sp.	2	-	rt
*?Damalinia sp.	1	-	u	Micropeplus fulvus	2	-	rt
*?Melophagus ovinus	1	-	u	Megarthus sp.	2	-	rt
*Hymenoptera sp.	1	-	u	Olophrum piceum	2	-	oa
				Omalium rivulare	2	-	rt-sf
				Stenus sp. D	2	-	u
				Lathrobium sp. A	2	-	u
				Othius sp.	2	-	rt
				Philonthus sp. A	2	-	u
				Tachyporus sp. A	2	-	u
				Aleochara sp.	2	-	u
				Aleocharinae sp. F	2	-	u
				Aleocharinae sp. G	2	-	u
				Dascillus cervinus	2	-	oa-p
				Cryptophagus sp. C	2	-	rd-sf
				Cryptophagus sp. D	2	-	rd-sf
				Cryptophagus sp. E	2	-	rd-sf
				Corticaria sp. C	2	-	rt-sf
				Apion (Erythrapion) haematodes	2	-	oa-p
				Lygaeidae sp.	1	-	oa-p
				Saldula sp.	1	-	oa-d
				Cicadellidae sp.	1	-	oa-p

E34, Context: 111 Sample: 15/T3 ReM: D
Weight: 8.10 E: 2.50 F: 2.50

Notes: Entered HK 22/6/04. Recorded in flot and on filter paper. Very large flot (whole jar), plant detritus, insect fragments, moss leaves. Very slow to sort, hard to see insects. Preservation mostly good, though some poorer: E 1.5-4.0, mode 2.5 weak; F 1.4-4.0, mode 2.5 weak. Bees perhaps more decayed than most; some Carabidae well rotted.

Taxon	n	SQ	ec
Xylodromus concinnus	49	-	rt-st
Orthoperus sp.	27	-	rt
Megasternum obscurum	18	-	rt
Crataraea suturalis	18	-	rt-st

Omalium ?allardi	2	-	rt	Atomaria sp. C	1	-	rd
Xantholinus sp.	2	-	u	?Ephistemus globulus	1	-	rd-sf
Tachyporus sp.	2	-	u	Aglenus brunneus	1	-	rt-ss
Aleocharinae sp. B	2	-	u	Rhinosimus planirostris	1	-	l
Aphodius sp. A	2	-	ob-rf	?Gastrophysa viridula	1	-	oa-p
Aphodius sp. B	2	-	ob-rf	Galerucella sp.	1	-	oa-p
Clambus sp.	2	-	rt-sf	Lochmaea suturalis	1	-	oa-p-m
Omosita colon	2	-	rt-sf	Longitarsus sp.	1	-	oa-p
Orthoperus sp.	2	-	rt	Strophosomus sp.	1	-	oa-p
Corticaria sp. C	2	-	rt-sf	Barynotus sp.	1	-	oa-p
Micrelus ericae	2	-	oa-p-m	Ceutorhynchus sp.	1	-	oa-p
Lygaeidae sp.	1	-	oa-p	*Diptera sp. (puparium)	15	m	u
Lyctocoris campestris	1	-	rd-st	*Acarina sp.	15	m	u
Saldula sp.	1	-	oa-d	*Coleoptera sp. (larva)	6	s	u
Philaenus spumarius	1	-	oa-p	*Pulex irritans	4	-	ss
Ulopa reticulata	1	-	oa-p-m	*Coccoidea sp.	2	-	u
Cicadellidae sp.	1	-	oa-p	*Aranae sp.	2	-	u
Psylloidea sp.	1	-	oa-p	*Dermaptera sp.	1	-	u
Dyschirius globosus	1	-	oa	*?Damalinia sp.	1	-	u
Bembidion lampros	1	-	oa	*Pediculus humanus	1	-	ss
Pterostichus niger	1	-	oa	*Auchenorhyncha sp. (nymph)	1	-	oa-p
Laemostenus terricola	1	-	ss	*Strophingia sp. (nymph)	1	-	oa-p-m
Agonum obscurum	1	-	oa-d	*Lipoptena cervi	1	-	u
Bradycellus ?ruficollis	1	-	oa-m	*Formicidae sp.	1	-	u
Hydroporus sp. B	1	-	oa-w	*Hymenoptera Parasitica sp.	1	-	u
Agabus bipustulatus	1	-	oa-w	*Hymenoptera sp.	1	-	u
Cercyon unipunctatus	1	-	rf-st				
Megasternum obscurum	1	-	rt				
Acritus nigricornis	1	-	rt-st	E35, Context: 306 Sample: 26/T3 ReM: D			
Ptenidium sp.	1	-	rt	Weight: 9.00 E: 2.50 F: 2.50			
Leiodidae sp.	1	-	u				
Megarthus sp.	1	-	rt	Notes: Entered HK 23/6/04. Recorded in flot and on filter			
Acidota crenata	1	-	oa	paper. Flot 1 cm in pot. E 1.5-3.5, mode 2.5 weak; F 2.0-			
Lesteva heeri	1	-	oa-d	4.0, mode 2.5 weak. Large hydroid stem.			
Omalium caesum or italicum	1	-	rt-sf				
Omalinae sp.	1	-	rt				
Anotylus nitidulus	1	-	rt	Taxon	nSQ	ec	
Stenus sp. A	1	-	u	Xylodromus concinnus	18	-	rt-st
Stenus sp. B	1	-	u	Lathridius minutus group	8	-	rd-st
Stenus sp. C	1	-	u	Corticaria sp. C	8	-	rt-sf
Stenus sp. D	1	-	u	Omalium ?allardi	7	-	rt
Gyrophypnus ?angustatus	1	-	rt-st	Anotylus complanatus	7	-	rt-sf
Gyrophypnus fracticornis	1	-	rt-st	Dropephylla vilis	5	-	l
Philonthus sp. A	1	-	u	Megasternum obscurum	4	-	rt
Quedius boops group	1	-	u	Omalium rivulare	4	-	rt-sf
Quedius sp.	1	-	u	Ptinus fur	4	-	rd-sf
Cordalia obscura	1	-	rt-sf	Cryptophagus sp. A	4	-	rd-sf
Aleochara sp.	1	-	u	Cryptophagus sp. B	4	-	rd-sf
Aleocharinae sp. D	1	-	u	Atomaria sp.	4	-	rd
?Batrisodes sp.	1	-	u	Pterostichus diligens	3	-	oa-d
Pselaphus heisei	1	-	u	Cercyon analis	3	-	rt-sf
Aphodius prodromus	1	-	ob-rf	Ptenidium sp.	3	-	rt
Phyllopertha horticola	1	-	oa-p	Micropeplus fulvus	3	-	rt
Dascillus cervinus	1	-	oa-p	Lesteva heeri	3	-	oa-d
Grynobius planus	1	-	l	Crataraea suturalis	3	-	rt-st
Anobium punctatum	1	-	l-sf	Aleocharinae sp. C	3	-	u
Brachypterus sp.	1	-	oa-p	Tipnus unicolor	3	-	rt-ss
Monotoma sp.	1	-	rt-sf	Cryptophagus scutellatus	3	-	rd-st
Cryptophagus scutellatus	1	-	rd-st	Corticaria sp. A	3	-	rt-sf
Atomaria sp. A	1	-	rd	Corticaria sp. B	3	-	rt-sf
				Aglenus brunneus	3	-	rt-ss

Megasternum obscurum	1	-	rt	Carabus problematicus	1	-	oa
Limnebius sp.	1	-	oa-w	Trichocellus sp.	1	-	oa
Acrotrichis sp.	1	-	rt	Carabidae sp. A	1	-	ob
Catopinae sp.	1	-	u	Carabidae sp. B	1	-	ob
Olophrum ?piceum	1	-	oa	Helophorus sp.	1	-	oa-w
Lesteva ?heeri	1	-	oa-d	Hydraena sp.	1	-	oa-w
Omalium rivulare	1	-	rt-sf	Megarthus sp.	1	-	rt
Platystethus arenarius	1	-	rf	Omalium sp.	1	-	rt
Anotylus rugosus	1	-	rt	Platystethus arenarius	1	-	rf
Anotylus sculpturatus group	1	-	rt	Anotylus nitidulus	1	-	rt
Stenus sp.	1	-	u	Anotylus rugosus	1	-	rt
Gyrophynus fracticornis	1	-	rt-st	Anotylus sculpturatus group	1	-	rt
Philonthus sp.	1	-	u	Stenus sp.	1	-	u
Staphylininae sp.	1	-	u	Lathrobium sp.	1	-	u
Tachinus laticollis or marginellus	1	-	u	Leptacinus sp.	1	-	rt-st
Aleochara sp.	1	-	u	Xantholinus sp.	1	-	u
Aleocharinae sp. A	1	-	u	Philonthus sp. A	1	-	u
Aleocharinae sp. B	1	-	u	Philonthus sp. B	1	-	u
Aleocharinae sp. C	1	-	u	Philonthus sp. C	1	-	u
Aphodius sp. B	1	-	ob-rf	Tachyporus sp.	1	-	u
Clambus sp.	1	-	rt-sf	Tachinus laticollis or marginellus	1	-	u
Simplocaria sp.	1	-	oa-p	Aleocharinae sp. A	1	-	u
Elateridae sp.	1	-	ob	Aleocharinae sp. B	1	-	u
Cryptophagus acutangulus	1	-	rd-sf	Aleocharinae sp. C	1	-	u
Cryptophagus sp.	1	-	rd-sf	Aleocharinae sp. D	1	-	u
Atomaria sp.	1	-	rd	Aleocharinae sp. E	1	-	u
Orthoperus sp.	1	-	rt	Aleocharinae sp. F	1	-	u
Corticaria sp.	1	-	rt-sf	Pselaphidae sp.	1	-	u
Plateumaris sp.	1	-	oa-d-p	Aphodius sp.	1	-	ob-rf
Sitophilus granarius	1	-	g-ss	Clambus sp.	1	-	rt-sf
Micrelus ericae	1	-	oa-p-m	Scirtidae sp.	1	-	oa-d
*Diptera sp. (puparium)	15	m	u	Cryptophagus sp.	1	-	rd-sf
*Hymenoptera sp.	6	s	u	Atomaria sp.	1	-	rd
*Acarina sp.	6	s	u	Lathridius minutus group	1	-	rd-st
*Oligochaeta sp. (egg capsule)	3	-	u	Corticaria sp. A	1	-	rt-sf
*Dermaptera sp.	2	-	u	Bruchus sp.	1	-	u
*Diptera sp. (adult)	2	-	u	Chrysomelinae sp.	1	-	oa-p
*Coleoptera sp. (larva)	2	-	u	Longitarsus sp.	1	-	oa-p
*Syrphidae sp. (larva)	1	-	u	Chaetocnema concinna	1	-	oa-p
*Formicidae sp.	1	-	u	Curculionidae sp. A	1	-	oa
				Curculionidae sp. B	1	-	oa

E38, Context: 863 Sample: 13/T ReM: D

Weight: 5.00 E: 3.00 F: 2.50

Notes: Entered HK 23/6/04. Recorded in flot and on filter paper. Modest-sized flot. Some remains substantially decayed or fragmented, limiting identification. E 2.0-4.0, mode 3.0 weak; F 2.0-4.0, mode 2.5 weak. Fossils from residue (AH) included.

Taxon	n	SQ	ec
Anotylus complanatus	14	-	rt-sf
Omalium rivulare	3	-	rt-sf
Dyschirius globosus	2	-	oa
Cercyon haemorrhoidalis	2	-	rf-sf
Megasternum obscurum	2	-	rt
Catops sp.	2	-	u
Xylodromus concinnus	2	-	rt-st
Corticaria sp. B	2	-	rt-sf
Cicadellidae sp.	1	-	oa-p

*Diptera sp. (puparium)	15	m	u
*Insecta sp. (larva)	15	m	u
*Oligochaeta sp. (egg capsule)	6	s	u
*Acarina sp.	6	s	u
*Diptera sp. (adult)	2	-	u
*Diptera sp. (pupa)	1	-	u
*Coleoptera sp. (larva)	1	-	u
*Chalcidoidea sp.	1	-	u
*Formicidae sp.	1	-	u
*Hymenoptera sp.	1	-	u
*Aranae sp.	1	-	u

Table 7. Main statistics for assemblages of adult beetles and bugs (excluding aphids and scale insects) from samples from sites in Aberdeen investigated in the present study. For explanation of abbreviations, see Table 8 and for site names see Table 1.

Sitecode	E15	E34	E34	E34	E34	E34	E34	E34
Context	26	22	60	70	81	83	84	88
Sample	26	28	13	3	2	1	21	17
Ext	/T	/T	/T	/T	/T3	/T3	/T3	/T
S	22	64	76	93	152	149	96	60
N	29	134	149	348	369	385	160	86
ALPHA	42	48	62	42	97	89	101	88
SEALPHA	18	7	9	4	8	7	15	19
SOB	3	30	39	55	54	58	36	27
PSOB	14	47	51	59	36	39	38	45
NOB	3	54	57	216	92	117	47	45
PNOB	10	40	38	62	25	30	29	52
ALPHAOB	0	28	54	24	55	46	70	29
SEALPHAOB	0	7	14	3	10	7	23	8
SW	0	6	7	1	12	14	8	2
PSW	0	9	9	1	8	9	8	3
NW	0	8	13	2	22	26	12	5
PNW	0	6	9	1	6	7	8	6
ALPHAW	0	0	0	0	11	13	0	0
SEALPHAW	0	0	0	0	4	4	0	0
SD	0	4	5	3	8	7	6	1
PSD	0	6	7	3	5	5	6	2
ND	0	7	9	13	19	18	8	1
PND	0	5	6	4	5	5	5	1
ALPHAD	0	0	0	0	0	0	0	0
SEALPHAD	0	0	0	0	0	0	0	0
SP	0	4	11	23	14	15	9	15
PSP	0	6	14	25	9	10	9	25
NP	0	9	11	78	20	21	14	18
PNP	0	7	7	22	5	5	9	21
ALPHAP	0	0	0	11	21	24	0	0
SEALPHAP	0	0	0	2	10	11	0	0
SM	0	3	3	6	4	4	2	2
PSM	0	5	4	6	3	3	2	3
NM	0	17	6	68	12	15	5	2
PNM	0	13	4	20	3	4	3	2
ALPHAM	0	0	0	2	0	0	0	0
SEALPHAM	0	0	0	0	0	0	0	0
SL	0	1	2	0	5	3	2	1
PSL	0	2	3	0	3	2	2	2
NL	0	1	3	0	9	9	3	1
PNL	0	1	2	0	2	2	2	1
ALPHAL	0	0	0	0	0	0	0	0
SEALPHAL	0	0	0	0	0	0	0	0
SRT	17	24	22	21	53	52	41	19
PSRT	77	38	29	23	35	35	43	32
NRT	24	65	61	78	203	185	84	36
PNRT	83	49	41	22	55	48	53	42
ALPHART	27	14	13	10	23	24	32	17

Sitecode	E15	E34	E34	E34	E34	E34	E34	E34
Context	26	22	60	70	81	83	84	88
Sample	26	28	13	3	2	1	21	17
Ext	/T	/T	/T	/T	/T3	/T3	/T3	/T
SEALPHART	12	3	3	2	3	3	6	5
SRD	5	8	6	1	10	9	7	4
PSRD	23	13	8	1	7	6	7	7
NRD	6	24	12	1	32	25	15	7
PNRD	21	18	8	0	9	6	9	8
ALPHARD	0	4	0	0	5	5	0	0
SEALPHARD	0	1	0	0	2	2	0	0
SRF	4	4	5	8	10	12	5	4
PSRF	18	6	7	9	7	8	5	7
NRF	4	4	5	16	27	26	5	16
PNRF	14	3	3	5	7	7	3	19
ALPHARF	0	0	0	0	6	9	0	0
SEALPHARF	0	0	0	0	2	3	0	0
SSA	12	16	15	7	33	37	27	10
PSSA	55	25	20	8	22	25	28	17
NSA	19	51	54	46	150	141	57	15
PNSA	66	38	36	13	41	37	36	17
ALPHASA	0	8	7	2	13	16	20	0
SEALPHASA	0	2	2	1	2	2	5	0
SSF	4	9	9	3	20	22	16	7
PSSF	18	14	12	3	13	15	17	12
NSF	5	14	17	41	93	95	35	11
PNSF	17	10	11	12	25	25	22	13
ALPHASF	0	0	0	1	8	9	12	0
SEALPHASF	0	0	0	0	1	2	3	0
SST	7	5	4	4	11	11	9	3
PSST	32	8	5	4	7	7	9	5
NST	13	15	11	5	43	31	15	4
PNST	45	11	7	1	12	8	9	5
ALPHAST	0	0	0	0	5	6	0	0
SEALPHAST	0	0	0	0	1	2	0	0
SSS	1	2	2	0	2	4	2	0
PSSS	5	3	3	0	1	3	2	0
NSS	1	22	26	0	14	15	7	0
PNSS	3	16	17	0	4	4	4	0
ALPHASS	0	1	1	0	0	0	0	0
SEALPHASS	0	0	0	0	0	0	0	0
SG	0	0	0	0	0	1	0	0
PSG	0	0	0	0	0	1	0	0
NG	0	0	0	0	0	3	0	0
PNG	0	0	0	0	0	1	0	0
ALPHAG	0	0	0	0	0	0	0	0
SEALPHAG	0	0	0	0	0	0	0	0

Sitecode	E34	E34	E34	E35	E35	E38	E38	All
Context	104	107	111	119	306	393	863	
Sample	16	27	15	30	26	30	13	
Ext	/T3	/T3	?T3	/T	/T3	/T	/T	
S	120	137	123	97	100	49	50	431
N	253	338	408	198	203	81	71	3212
ALPHA	89	86	60	75	78	52	75	134
SEALPHA	9	8	5	9	9	11	18	4
SOB	52	53	50	34	32	18	15	221
PSOB	43	39	41	35	32	37	30	51
NOB	70	83	95	44	40	19	16	998
PNOB	28	25	23	22	20	23	23	31
ALPHAOB	91	63	43	68	73	0	0	88
SEALPHAOB	24	13	8	23	28	0	0	5
SW	17	9	10	5	4	4	2	38
PSW	14	7	8	5	4	8	4	9
NW	27	16	22	9	6	4	2	174
PNW	11	5	5	5	3	5	3	5
ALPHAW	20	0	7	0	0	0	0	15
SEALPHAW	8	0	3	0	0	0	0	2
SD	4	5	7	4	4	3	1	23
PSD	3	4	6	4	4	6	2	5
ND	4	5	13	5	8	3	1	114
PND	2	1	3	3	4	4	1	4
ALPHAD	0	0	0	0	0	0	0	9
SEALPHAD	0	0	0	0	0	0	0	1
SP	17	17	18	16	13	3	4	79
PSP	14	12	15	16	13	6	8	18
NP	21	21	28	17	13	3	4	278
PNP	8	6	7	9	6	4	6	9
ALPHAP	43	43	22	0	0	0	0	37
SEALPHAP	25	25	8	0	0	0	0	4
SM	3	2	3	4	2	1	0	9
PSM	3	1	2	4	2	2	0	2
NM	6	6	16	5	2	1	0	161
PNM	2	2	4	3	1	1	0	5
ALPHAM	0	0	0	0	0	0	0	2
SEALPHAM	0	0	0	0	0	0	0	0
SL	1	2	0	3	2	0	0	10
PSL	1	1	0	3	2	0	0	2
NL	1	2	0	3	7	0	0	39
PNL	0	1	0	2	3	0	0	1
ALPHAL	0	0	0	0	0	0	0	4
SEALPHAL	0	0	0	0	0	0	0	1
SRT	48	54	44	45	42	20	19	468
PSRT	40	39	36	46	42	41	38	109
NRT	153	187	247	129	129	45	38	1664
PNRT	60	55	61	65	64	56	54	52
ALPHART	24	26	16	25	22	14	15	216
SEALPHART	3	3	2	4	3	4	4	8
SRD	9	9	10	12	7	3	3	103
PSRD	8	7	8	12	7	6	6	24

Sitecode	E34	E34	E34	E35	E35	E38	E38	All
Context	104	107	111	119	306	393	863	
Sample	16	27	15	30	26	30	13	
NRD	36	24	33	37	29	3	3	287
PNRD	14	7	8	19	14	4	4	9
ALPHARD	4	5	5	6	3	0	0	58
SEALPHARD	1	2	1	2	1	0	0	5
SRF	9	11	7	7	6	5	3	100
PSRF	8	8	6	7	6	10	6	23
NRF	16	23	20	18	9	10	4	203
PNRF	6	7	5	9	4	12	6	6
ALPHARF	0	8	4	0	0	0	0	78
SEALPHARF	0	3	1	0	0	0	0	9
SSA	30	35	28	30	29	13	10	87
PSSA	25	26	23	31	29	27	20	20
NSA	108	143	161	99	99	42	28	1213
PNSA	43	42	39	50	49	52	39	38
ALPHASA	14	15	10	15	14	7	6	22
SEALPHASA	2	2	1	2	2	2	2	1
SSF	16	21	20	18	19	8	7	50
PSSF	13	15	16	19	19	16	14	12
NSF	62	97	62	63	54	28	24	701
PNSF	25	29	15	32	27	35	34	22
ALPHASF	7	8	10	9	11	4	3	12
SEALPHASF	1	1	2	2	2	1	1	1
SST	12	13	7	9	8	4	3	31
PSST	10	9	6	9	8	8	6	7
NST	39	41	85	28	39	13	4	386
PNST	15	12	21	14	19	16	6	12
ALPHAST	6	7	2	5	3	0	0	8
SEALPHAST	2	2	0	1	1	0	0	1
SSS	2	1	1	3	2	1	0	6
PSSS	2	1	1	3	2	2	0	1
NSS	7	5	14	8	6	1	0	126
PNSS	3	1	3	4	3	1	0	4
ALPHASS	0	0	0	0	0	0	0	1
SEALPHASS	0	0	0	0	0	0	0	0
SG	0	0	0	0	0	1	0	1
PSG	0	0	0	0	0	2	0	0
NG	0	0	0	0	0	1	0	4
PNG	0	0	0	0	0	1	0	0
ALPHAG	0	0	0	0	0	0	0	0
SEALPHAG	0	0	0	0	0	0	0	0

Table 8. Abbreviations for ecological codes and statistics used for interpretation of insect remains in text and tables. Lower case codes in parentheses are those assigned to taxa and used to calculate the group values (the codes in capitals). See Table 3 for codes assigned to taxa from the sites in Aberdeen. Indivs - individuals (based on MNI); No - number.

No taxa	S	Percentage of RT taxa	PSRT
Estimated number of indivs (MNI)	N	No RT indivs	NRT
Index of diversity (α)	alpha	Percentage of RT indivs	PNRT
Standard error of alpha	SEalpha	Index of diversity of RT component	alphaRT
No 'certain' outdoor taxa (oa)	SOA	Standard error	SEalphaRT
Percentage of 'certain' outdoor taxa	PSOA	No 'dry' decomposer taxa (rd)	SRD
No 'certain' outdoor indivs	NOA	Percentage of RD taxa	PSRD
Percentage of 'certain' outdoor indivs	PNOA	No RD indivs	NRD
No OA and probable outdoor taxa (oa + ob)	SOB	Percentage of RD indivs	PNRD
Percentage of OB taxa	PSOB	Index of diversity of the RD component	alphaRD
No OB indivs	NOB	Standard error	SEalphaRD
Percentage OB indivs	PNOB	No 'foul' decomposer taxa (rf)	SRF
Index of diversity of the OB component	alphaOB	Percentage of RF taxa	PSRF
Standard error	SEalphaOB	No RF indivs	NRF
No aquatic taxa (w)	SW	Percentage of RF indivs	PNRF
Percentage of aquatic taxa	PSW	Index of diversity of the RF component	alphaRF
No aquatic indivs	NW	Standard error	SEalphaRF
Percentage of W indivs	PNW	No synanthropic taxa (sf + st + ss)	SSA
Index of diversity of the W component	alphaW	Percentage of synanthropic taxa	PSSA
Standard error	SEalphaW	No synanthropic indivs	NSA
No damp ground/waterside taxa (d)	SD	Percentage of SA indivs	PNSA
Percentage D taxa	PSD	Index of diversity of SA component	ALPHASA
No damp D indivs	ND	Standard error	SEALPHASA
Percentage of D indivs	PND	No facultatively synanthropic taxa	SSF
Index of diversity of the D component	alphaD	Percentage of SF taxa	PSSF
Standard error	SEalphaD	No SF indivs	NSF
No strongly plant-associated taxa (p)	SP	Percentage of SF indivs	PNSF
Percentage of P taxa	PSP	Index of diversity of SF component	ALPHASF
No strongly P indivs	NP	Standard error	SEALPHASF
Percentage of P indivs	PNP	No typical synanthropic taxa	SST
Index of diversity of the P component	alphaP	Percentage of ST taxa	PSST
Standard error	SEalphaP	No ST indivs	NST
No heathland/moorland taxa (m)	SM	Percentage of ST indivs	PNST
Percentage of M taxa	PSM	Index of diversity of ST component	ALPHAST
No M indivs	NM	Standard error	SEALPHAST
Percentage of M indivs	PNM	No strongly synanthropic taxa	SSS
Index of diversity of the M component	alphaM	Percentage of SS taxa	PSSS
Standard error	SEalphaM	No SS indivs	NSS
No wood-associated taxa (l)	SL	Percentage of SS indivs	PNSS
Percentage of L taxa	PSL	Index of diversity of SS component	ALPHASS
No L indivs	NL	Standard error	SEALPHASS
Percentage of L indivs	PNL	No uncoded taxa (u)	SU
Index of diversity of the L component	alphaL	Percentage of uncoded indivs	PNU
Standard error	SEalphaL	No indivs of grain pests (g)	NG
No decomposer taxa (rt + rd + rf)	SRT	Percentage of indivs of grain pests	PNG

Table 9. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E15, No. 3 Bonded Warehouse, Virginia Street. Key: organic = approximate percentage of 'squash' composed of organic detritus; inorganic = approximate percentage of 'squash' which was of inorganic material; f. spores/hyphae = fungal spores and/or hyphae; ?phyt = ?phytolith or 'plant silica' fragments; diatoms – the figure in parentheses gives the minimum number of different forms present; Trichuris – sub-columns indicate numbers of eggs with 0, 1 or 2 polar plugs intact; f = few (up to 3 individuals); s = some (4 to 20); m = many (21 to 50); v = very many (more than 50).

Context	Sample	Phase	Date	Context/Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris
											0	1	2	
26	26	2	14-15 th C	Midden	25	75	-	-	vm	-	-	-	-	

Table 10. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E19, Carmelite Friary – Phase 1 excavation. Key: as for Table 9.

Context	Sample	Phase	Date	Context/Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris
											0	1	2	
269	269	1	13 th C	Pit within church	10	90	-	-	f	-	-	-	-	
279	279	?	?	?	10	90	-	-	-	-	-	-	-	
314	314	2	13-15 th C	Within stone feature EC	10	90	-	-	-	f (1)	-	-	-	
315	315	1	13 th C	Lower fill of pit DH	20	80	-	-	f	m (2)	-	-	-	

Table 11. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E21, 43-57 Upperkirkgate. Key: as for Table 9.

Context	Sample	Phase	Date	Context/Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris
											0	1	2	
2	2	2a	15-16 th C	Pit AA	80	20	s	-	-	f (3)	-	-	-	
6	6	2a	15-16 th C	Pit AA	10	90	-	-	s	-	-	-	-	
7	7	2a	15-16 th C	Pit AA	80	20	s	f	-	m (4)	-	-	-	
8	8	2a	15-16 th C	Pit AA	80	20	s	f	-	m (5)	-	-	-	
36	2	2	-	Peat layer	80	20	s	-	f	-	-	-	-	
68	68	2a	-	Pit AX	50	50	s	-	-	m (3)	-	-	-	
70	70	2a	15-16 th C	Pit AA	50	50	s	-	s	-	-	-	-	
109	109	2	13-14 th C	Pit AS	50	50	-	-	s	s (1)	-	-	-	
117	117	1	13-14 th C	Pit BM	25	75	-	-	s	vm (4)	-	-	-	

179a	-	2b	-	Clay	10	90	-	f	-	-	-	-	-	-
225	225	1	-	Layer in gully CR	50	50	s	-	-	-	-	-	-	-
229	229	1	-	Gully CR	5	95	-	-	-	-	-	-	-	-
248	248	1	-	Primary layer in cut CS	10	90	-	-	-	-	-	-	-	-

Table 12. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E34, Gallowgate Middle School. Key: as for Table 9.

Context	Sample	Phase	Date	Context/ Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris	Note
											0	1	2		
22	28	-	Late 12-13 th C	Midden	80	20	s	f	-	f (1)	-	-	-	-	Frag of plant tissue; live soil nematode
33	37	-	13-14 th C	Pit fill	20	80	-	f	-	-	-	-	-	-	“BG”
60	13	-	Late 14 th C	Organic fill of barrel BN	80	20	s	f	-	s (1)	2	-	-	-	
81	2	-	Late 12-13 th C	Midden	80	20	s	s	f	m (4)	2	-	-	-	
84	21	-	Late 12-13 th C	Leather-workers’ pit	80	20	f	-	-	f (1)	-	-	-	-	
84	21	-	Late 12-13 th C	Leather-workers’ pit	75	25	m	f	-	m (4)	-	-	-	-	“CT”
85	5	-	Late 12-13 th C	Midden	80	20	s	-	-	f (1)	-	-	-	?2	
88	17	-	Late 12-13 th C	Midden	80	20	-	f	s	m (4)	-	-	-	-	Frag of plant tissue
104	16	-	Late 12-13 th C	Leather-workers’ pit	90	10	s	m	f	m (5)	-	-	-	-	Frag of plant tissue; ?plant hairs
107	27	-	Late 12-13 th C	Leather-workers’ pit	80	20	-	s	-	m (2)	-	-	-	-	
111	15	-	13-14 th C	Pit DA	80	20	m	s	-	m (6)	-	-	-	-	Frag of plant tissue

Table 13. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E35, 16-18 Netherkirkgate (Potty Donalds). Key: as for Table 9.

Context	Sample	Phase	Date	Context/ Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris
											0	1	2	
37	22	-	13-14 th C	Midden	80	20	-	-	s	m (5)	1	-	-	-
119	30	-	13-14 th C	Midden	80	20	-	-	s	-	2	1	-	-
306	26	-	13-14 th C	Pit	80	20	-	-	s	f (1)	-	-	-	-
482	1	-	13-14 th C	Pit	80	20	f	-	-	s (2)	-	-	-	-

Table 14. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E38, Carmelite Friary – later phases of excavation. Key: as for Table 9.

Context	Sample	Phase	Date	Context/ Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris	Note
											0	1	2		
-	50	7	-	Fill of sump KV	80	20	f	f	-	f (2)	-	-	-	-	“KV”
61	41	-	-	Layer	80	20	s	f	-	f (1)	1	-	-	-	
61	44	-	-	Layer	50	50	-	f	-	s (3)	-	-	-	-	
393	30	2a	-	Fill of pit HD	80	20	-	f	f	f (1)	3	-	-	?1	
549	47	7	-	Fill of sump KV	80	20	-	f	-	-	-	-	-	-	“KV”
645	24	1	-	Organic fill in water channel LU	80	20	-	-	f	f (1)	-	-	-	-	
863	13	5	-	Bone in soil from grave	75	25	-	f	-	-	-	-	-	-	

Table 15. Records of eggs of parasitic nematodes and some other microfossils made during assessment of samples considered in the present study: Site E58, Dunbar Hall. Key: as for Table 9.

Context	Sample	Phase	Date	Context/ Feature type	organic	inorganic	pollen/ spores	f. spores/ hyphae	?phyt	diatoms	Trichuris			Ascaris
											0	1	2	
3	3	-	13-14 th C	Pit	50	50	s	-	m	s (2)	-	-	-	-
5	5	-	13-14 th C	Pit	50	50	f	-	m	s (1)	-	-	-	-
6	6	-	13-14 th C	Pit	50	50	f	-	s	f (1)	-	-	-	-

Appendix: Species lists in rank order for some insect assemblages recorded prior to the present study. Only adult beetles and bugs of the groups used for calculating statistics are included.

E25: 53-9 GALLOWGATE				74	1/T	Omalium ?rivulare	1	rt-sf
<i>C</i>	<i>SN</i>	<i>Taxon</i>	<i>n</i>	<i>ec</i>				
					74	1/T	Carpelimus pusillus group	1 u
74	1/T	Aleocharinae sp. A	12	u	74	1/T	Platystethus arenarius	1 rf
74	1/T	Anotylus complanatus	9	rt-sf	74	1/T	Oxytelus ?sculptus	1 rt-st
74	1/T	Corticaria sp. A	6	rt-sf	74	1/T	Euaesthetus bipunctatus	1 oa
74	1/T	Aleocharinae sp. H	5	u	74	1/T	Philonthus sp. A	1 u
74	1/T	Tipnus unicolor	5	rd-st	74	1/T	Philonthus sp. B	1 u
74	1/T	Lathridius minutus group	5	rd-st	74	1/T	Tachyporus nitidulus	1 u
74	1/T	Xylodromus concinnus	4	rt-st	74	1/T	Tachyporus sp.	1 u
74	1/T	Clambus pubescens	4	rt-sf	74	1/T	Aleocharinae sp. C	1 u
74	1/T	Omalium caesum or italicum	3	rt-sf	74	1/T	Aleocharinae sp. D	1 u
74	1/T	Anobium punctatum	3	l-sf	74	1/T	Aleocharinae sp. E	1 u
74	1/T	Cryptophagus sp. L	3	rd-sf	74	1/T	Aleocharinae sp. F	1 u
74	1/T	Corticaria sp. B	3	rt-sf	74	1/T	Aleocharinae sp. G	1 u
74	1/T	Cercyon analis	2	rt-sf	74	1/T	Pselaphidae sp. A	1 u
74	1/T	Megasternum obscurum	2	rt	74	1/T	Pselaphidae sp. B	1 u
74	1/T	Onthophilus striatus	2	rt	74	1/T	Elateridae sp.	1 ob
74	1/T	Anotylus rugosus	2	rt	74	1/T	Malthinus flaveolus	1 ob
74	1/T	Stenus sp.	2	u	74	1/T	Dermestidae sp.	1 rt-sf
74	1/T	Aleocharinae sp. B	2	u	74	1/T	Ptinus ?fur	1 rd-sf
74	1/T	Aphodius ?fimetarius	2	oa-rf	74	1/T	Oryzaeophilus ?surinamensis	1 g-ss
74	1/T	Aphodius sp.	2	ob-rf	74	1/T	Cryptophagus sp. A	1 rd-sf
74	1/T	Orthoperus sp.	2	rt	74	1/T	Cryptophagus sp. R	1 rd-sf
74	1/T	Corticaria ?punctulata	2	rt-sf	74	1/T	Atomaria sp.	1 rd
74	1/T	Bruchinae sp.	2	u	74	1/T	Mycetaea hirta	1 rd-ss
74	1/T	Sitophilus granarius	2	g-ss	74	1/T	Gastrophysa viridula	1 oa-p
74	1/T	Lygaeidae sp.	1	oa-p	74	1/T	Hydrothassa sp.	1 oa-d-p
74	1/T	Ulopa reticulata	1	oa-p-m	74	1/T	Halticinae sp.	1 oa-p
74	1/T	Auchenorhyncha sp.	1	oa-p	74	1/T	Ceuthorhynchinae sp.	1 oa-p
74	1/T	Dyschirius sp.	1	oa	74	1/T	Curculionidae sp.	1 oa
74	1/T	Trechus quadristriatus	1	oa	74	1/T	Coleoptera sp. A	1 u
74	1/T	Bembidion lampros or properans	1	oa	155	2/t	Coleoptera sp. B	1 u
74	1/T	Pterostichus diligens	1	oa-d	155	2/t	Helophorus sp. B	3 oa-w
74	1/T	Pterostichus ?melanarius	1	ob	155	2/t	Aleocharinae sp. C	3 u
74	1/T	Amara sp.	1	oa	155	2/t	Clambus pubescens	3 rt-sf
74	1/T	Bradycellus ruficollis	1	oa-m	155	2/t	Orthoperus sp.	3 rt
74	1/T	Hydroporinae sp. A	1	oa-w	155	2/t	Lathridius minutus group	3 rd-st
74	1/T	Hydroporinae sp. B	1	oa-w	155	2/t	Xantholinus linearis group	2 rt-sf
74	1/T	Agabus bipustulatus	1	oa-w	155	2/t	Tachyporus chrysomelinus type	2 u
74	1/T	Helophorus sp. A	1	oa-w	155	2/t	Aleocharinae sp. A	2 u
74	1/T	Helophorus sp. B	1	oa-w	155	2/t	Aphodius sp.	2 ob-rf
74	1/T	Cercyon atricapillus	1	rf-st	155	2/t	Ptinus sp.	2 rd-sf
74	1/T	Cercyon ?haemorrhoidalis	1	rf-sf	155	2/t	Cryptophagus sp. R	2 rd-sf
74	1/T	Hydrophilinae sp.	1	oa-w	155	2/t	Corticaria sp. A	2 rt-sf
74	1/T	Hydraena sp.	1	oa-w	155	2/t	Corticaria sp. C	2 rt-sf
74	1/T	Ptenidium sp.	1	rt	155	2/t	?Stygnocoris sp.	1 oa
74	1/T	Acrotichis sp.	1	rt	155	2/t	Notiophilus sp.	1 oa
74	1/T	Micropeplus fulvus	1	rt	155	2/t	Patrobus sp.	1 oa
74	1/T	Lesteva ?longoelytrata	1	oa-d	155	2/t	Trechus obtusus or quadristriatus	1 oa
74	1/T	Dropephylla sp.	1	u	155	2/t	Carabidae sp.	1 ob

155	2/t	Helophorus sp. A	1	oa-w	185	5/T	Omaliiinae sp.	3	rt
155	2/t	Cercyon ? analis	1	rt-sf	185	5/T	Aleocharinae sp. B	3	u
155	2/t	Cercyon sp.	1	u	185	5/T	Aleocharinae sp. C	3	u
155	2/t	Hydrobius fuscipes	1	oa-w	185	5/T	Cryptophagus sp. L	3	rd-sf
155	2/t	Ptenidium sp.	1	rt	185	5/T	Corticaria ?punctulata	3	rt-sf
155	2/t	Acrotrichis sp.	1	rt	185	5/T	Helophorus sp.	2	oa-w
155	2/t	Metopsia retusa	1	u	185	5/T	Onthophilus striatus	2	rt
155	2/t	Megarthus sp.	1	rt	185	5/T	Acrotrichis sp. A	2	rt
155	2/t	Olophrum sp.	1	oa	185	5/T	Catops sp.	2	u
155	2/t	Dropephylla vilis	1	l	185	5/T	Carpelimus ?bilineatus	2	rt-sf
155	2/t	Omalium sp.	1	rt	185	5/T	Anotylus complanatus	2	rt-sf
155	2/t	Anotylus complanatus	1	rt-sf	185	5/T	Cryptophagus sp. R	2	rd-sf
155	2/t	Anotylus nitidulus	1	rt-d	185	5/T	Mycetaea hirta	2	rd-ss
155	2/t	Anotylus rugosus	1	rt	185	5/T	Dienerella sp.	2	rd-sf
155	2/t	Stenus sp.	1	u	185	5/T	Ceutorhynchus contractus	2	oa-p
155	2/t	Gyrophypnus sp.	1	rt	185	5/T	Stygnocoris pedestris	1	oa-p
155	2/t	Philonthus sp.	1	u	185	5/T	Lyctocoris campestris	1	rd-st
155	2/t	Tachyporus sp.	1	u	185	5/T	Saldula sp.	1	oa-d
155	2/t	Tachinus sp.	1	u	185	5/T	Patrobus sp.	1	oa
155	2/t	Aleocharinae sp. B	1	u	185	5/T	Pterostichus sp.	1	ob
155	2/t	Aleocharinae sp. D	1	u	185	5/T	Carabidae sp.	1	ob
155	2/t	Aleocharinae sp. E	1	u	185	5/T	Hydroporinae sp.	1	oa-w
155	2/t	Pselaphidae sp.	1	u	185	5/T	Helophorus aquaticus or grandis	1	oa-w
155	2/t	Aphodius or Colobopterus sp.	1	ob-rf	185	5/T	Cercyon atricapillus	1	rf-st
155	2/t	Elateridae sp. A	1	ob	185	5/T	Cercyon ?haemorrhoidalis	1	rf-sf
155	2/t	Elateridae sp. B	1	ob	185	5/T	Cercyon terminatus	1	rf-st
155	2/t	Cantharidae sp.	1	ob	185	5/T	Cercyon unipunctatus	1	rf-st
155	2/t	Anobium punctatum	1	l-sf	185	5/T	Cercyon sp.	1	u
155	2/t	Tipnus unicolor	1	rd-st	185	5/T	Megasternum obscurum	1	rt
155	2/t	Cryptophagus scutellatus	1	rd-st	185	5/T	Histerinae sp.	1	rt
155	2/t	Cryptophagus sp. A	1	rd-sf	185	5/T	Aclypea opaca	1	ob-rt
155	2/t	Atomaria nigripennis	1	rd-ss	185	5/T	Olophrum sp.	1	oa
155	2/t	Mycetaea hirta	1	rd-ss	185	5/T	Omalium sp. A	1	rt
155	2/t	Corticaria ?punctulata	1	rt-sf	185	5/T	Omalium sp. B	1	rt
155	2/t	Corticaria sp. B	1	rt-sf	185	5/T	Carpelimus gracilis	1	u
155	2/t	Corticaria ?fuscula	1	rt	185	5/T	Oxytelus sculptus	1	rt-st
155	2/t	Bruchinae sp.	1	u	185	5/T	Stenus sp. A	1	u
155	2/t	?Donaciinae sp.	1	oa-w-p	185	5/T	Stenus sp. B	1	u
155	2/t	Sitophilus granarius	1	g-ss	185	5/T	Lithocharis ochracea	1	rt-st
155	2/t	Ceuthorhynchinae sp.	1	oa-p	185	5/T	Leptacinus sp.	1	rt-st
155	2/t	Coleoptera sp. A	1	u	185	5/T	Gyrophypnus sp.	1	rt
155	2/t	Coleoptera sp. B	1	u	185	5/T	Staphylininae sp.	1	u
185	5/T	Carpelimus ?pusillus	36	rt-sf	185	5/T	Mycetoporus sp.	1	u
185	5/T	Xylodromus concinnus	8	rt-st	185	5/T	Tachinus signatus	1	u
185	5/T	Acrotrichis sp. B	6	rt	185	5/T	Tachinus sp.	1	u
185	5/T	Aleocharinae sp. D	6	u	185	5/T	Aleocharinae sp. A	1	u
185	5/T	Tipnus unicolor	6	rd-st	185	5/T	Aleocharinae sp. E	1	u
185	5/T	Orthoperus sp.	6	rt	185	5/T	Aleocharinae sp. F	1	u
185	5/T	Corticaria sp. B	6	rt-sf	185	5/T	Aleocharinae sp. G	1	u
185	5/T	Ptinus fur	5	rd-sf	185	5/T	Aleocharinae sp. H	1	u
185	5/T	Lathridius minutus group	5	rd-st	185	5/T	Aleocharinae sp. I	1	u
185	5/T	Corticaria sp. A	5	rt-sf	185	5/T	Aleocharinae sp. J	1	u
185	5/T	Cercyon analis	4	rt-sf	185	5/T	Aphodius sp. A	1	ob-rf
185	5/T	Dropephylla vilis	4	l	185	5/T	Aphodius sp. B	1	ob-rf
185	5/T	Anobium punctatum	4	l-sf	185	5/T	Clambus pubescens	1	rt-sf
185	5/T	Ptenidium sp.	3	rt	185	5/T	Elateridae sp.	1	ob
185	5/T	Micropeplus fulvus	3	rt	185	5/T	Cantharidae sp.	1	ob

185	5/T	Meligethes sp.	1	oa-p	208	7/t	Cercyon analis	1	rt-sf
185	5/T	Monotoma picipes	1	rt-st	208	7/t	Cercyon unipunctatus	1	rf-st
185	5/T	Cryptophagus sp. A	1	rd-sf	208	7/t	Cercyon sp.	1	u
185	5/T	Atomaria sp. A	1	rd	208	7/t	Megasternum obscurum	1	rt
185	5/T	Atomaria sp. B	1	rd	208	7/t	Hydrophilinae sp.	1	oa-w
185	5/T	Bruchinae sp.	1	u	208	7/t	Acrotrichis sp.	1	rt
185	5/T	Altica sp.	1	oa-p	208	7/t	Thanatophilus sp.	1	rf
185	5/T	Chrysomelidae sp.	1	oa-p	208	7/t	Scydmaenidae sp.	1	u
185	5/T	Sitophilus granarius	1	g-ss	208	7/t	Dropephylla sp.	1	u
185	5/T	Phytobius sp.	1	oa-d	208	7/t	Xylodromus ?depressus	1	rt-st
191	17/t	Cercyon sp.	2	u	208	7/t	Omaliiinae sp.	1	rt
191	17/t	Xylodromus concinnus	2	rt-st	208	7/t	Anotylus nitidulus	1	rt-d
191	17/t	Leptacinus sp.	2	rt-st	208	7/t	Anotylus sculpturatus group	1	rt
191	17/t	Aleocharinae sp. D	2	u	208	7/t	Lathrobium sp.	1	u
191	17/t	Auchenorhyncha sp.	1	oa-p	208	7/t	Gyrohypnus sp.	1	rt
191	17/t	Carabidae sp.	1	ob	208	7/t	Staphylininae sp. A	1	u
191	17/t	Cercyon analis	1	rt-sf	208	7/t	Staphylininae sp. B	1	u
191	17/t	Anotylus complanatus	1	rt-sf	208	7/t	Aleocharinae sp. A	1	u
191	17/t	Stenus sp.	1	u	208	7/t	Aleocharinae sp. D	1	u
191	17/t	Gyrohypnus sp.	1	rt	208	7/t	Aleocharinae sp. E	1	u
191	17/t	Philonthus sp.	1	u	208	7/t	Pselaphidae sp.	1	u
191	17/t	Staphylininae sp.	1	u	208	7/t	?Geotrupes sp.	1	oa-rf
191	17/t	Cypha sp.	1	rt	208	7/t	Aphodius sp. A	1	ob-rf
191	17/t	Aleocharinae sp. A	1	u	208	7/t	Aphodius sp. B	1	ob-rf
191	17/t	Aleocharinae sp. B	1	u	208	7/t	Phyllopertha horticola	1	oa-p
191	17/t	Aleocharinae sp. C	1	u	208	7/t	Clambus ?pubescens	1	rt-sf
191	17/t	Aleocharinae sp. E	1	u	208	7/t	Elateridae sp. A	1	ob
191	17/t	Aphodius sp.	1	ob-rf	208	7/t	Elateridae sp. B	1	ob
191	17/t	Cantharidae sp.	1	ob	208	7/t	Ptinidae sp.	1	rd
191	17/t	Ptinus ?fur	1	rd-sf	208	7/t	Cryptophagus sp. A	1	rd-sf
191	17/t	Cryptophagus ?scutellatus	1	rd-st	208	7/t	Lathridius minutus group	1	rd-st
191	17/t	Cryptophagus sp.	1	rd-sf	208	7/t	Corticaria ?punctulata	1	rt-sf
191	17/t	Orthoperus sp.	1	rt	208	7/t	Corticaria gibbosa	1	rt
191	17/t	Corticaria sp.	1	rt-sf	208	7/t	Donaciinae sp.	1	oa-w-p
191	17/t	?Prasocuris phellandrii	1	oa-p-d	208	7/t	Halticinae sp.	1	oa-p
208	7/t	Philonthus sp. A	9	u	208	7/t	Ceutorhynchus sp. A	1	oa-p
208	7/t	Cercyon haemorrhoidalis	5	rf-sf	208	7/t	Ceutorhynchus sp. B	1	oa-p
208	7/t	Philonthus sp. B	4	u	252	18/M	Anotylus complanatus	26	rt-sf
208	7/t	Aleocharinae sp. B	4	u	252	18/M	Cercyon haemorrhoidalis	7	rf-sf
208	7/t	Tachinus signatus	3	u	252	18/M	Omosita colon	7	rt-sf
208	7/t	Dyschirius ?globosus	2	oa	252	18/M	Aleocharinae sp. A	6	u
208	7/t	Bradycellus ruficollis	2	oa-m	252	18/M	Anotylus rugosus	5	rt
208	7/t	Hydroporinae sp.	2	oa-w	252	18/M	Aphodius ?fimetarius	5	oa-rf
208	7/t	Anotylus complanatus	2	rt-sf	252	18/M	Cercyon analis	4	rt-sf
208	7/t	Stenus sp.	2	u	252	18/M	Aleocharinae sp. C	3	u
208	7/t	Tachyporus sp.	2	u	252	18/M	Cercyon melanocephalus	2	rt-sf
208	7/t	Aleocharinae sp. C	2	u	252	18/M	Platystethus arenarius	2	rf
208	7/t	Cryptophagus sp. R	2	rd-sf	252	18/M	Stenus sp.	2	u
208	7/t	Lygaeidae sp.	1	oa-p	252	18/M	Gyrohypnus angustatus	2	rt-st
208	7/t	Auchenorhyncha sp. A	1	oa-p	252	18/M	Gyrohypnus fracticornis	2	rt-st
208	7/t	Auchenorhyncha sp. B	1	oa-p	252	18/M	Gastrophysa viridula	2	oa-p
208	7/t	Carabus ?nemoralis	1	oa	252	18/M	Trechus ?quadristriatus	1	oa
208	7/t	Notiophilus sp.	1	oa	252	18/M	Carabidae sp.	1	ob
208	7/t	Bembidion lampros			252	18/M	Helophorus sp. A	1	oa-w
		or properans	1	oa	252	18/M	Helophorus sp. B	1	oa-w
208	7/t	Carabidae sp.	1	ob	252	18/M	Cercyon terminatus	1	rf-st
208	7/t	Agabus or Ilybius sp.	1	oa-w	252	18/M	Histerinae sp.	1	rt
208	7/t	Helophorus sp.	1	oa-w	252	18/M	Megarthus sp. A	1	rt

252	18/M	Megarthritis sp. B	1	rt	268	10/T	Cryptophagus sp. B	2	rd-sf
252	18/M	Omalium sp.	1	rt	268	10/T	Corticarina ?fuscata	2	rt
252	18/M	Carpelimus ?bilineatus	1	rt-sf	268	10/T	Micrelus ericae	2	oa-p-m
252	18/M	Anotylus nitidulus	1	rt-d	268	10/T	Lygaeidae sp.	1	oa-p
252	18/M	Anotylus sculpturatus group	1	rt	268	10/T	?Saldula sp.	1	oa-d
252	18/M	Lathrobium sp.	1	u	268	10/T	Ulopa reticulata	1	oa-p-m
252	18/M	Staphylininae sp.	1	u	268	10/T	Conomelus anceps	1	oa-p
252	18/M	Tachyporus nitidulus	1	u	268	10/T	Carabus problematicus	1	oa
252	18/M	Tachyporus sp.	1	u	268	10/T	Trechus ?obtusus	1	oa
252	18/M	Tachinus signatus	1	u	268	10/T	Calathus sp.	1	oa
252	18/M	?Aleochara sp.	1	u	268	10/T	Amara sp.	1	oa
252	18/M	Aleocharinae sp. B	1	u	268	10/T	Harpalus sp.	1	oa
252	18/M	Aleocharinae sp. D	1	u	268	10/T	Carabidae sp.	1	ob
252	18/M	Aleocharinae sp. E	1	u	268	10/T	Hydroporinae sp. A	1	oa-w
252	18/M	Aleocharinae sp. F	1	u	268	10/T	Helophorus sp. A	1	oa-w
252	18/M	Pselaphidae sp.	1	u	268	10/T	Helophorus sp. B	1	oa-w
252	18/M	Aphodius sp.	1	ob-rf	268	10/T	Helophorus sp. C	1	oa-w
252	18/M	Ptinidae sp.	1	rd	268	10/T	Megasternum obscurum	1	rt
252	18/M	Cryptophagus sp.	1	rd-sf	268	10/T	Hydrophilinae sp.	1	oa-w
252	18/M	Orthoperus sp.	1	rt	268	10/T	Ochthebius sp.	1	oa-w
252	18/M	Bruchinae sp.	1	u	268	10/T	Acrotrichis sp. A	1	rt
252	18/M	Ceutorhynchus contractus	1	oa-p	268	10/T	Acrotrichis sp. B	1	rt
252	18/M	Ceutorhynchus sp.	1	oa-p	268	10/T	Acidota crenata	1	oa
252	18/M	Coleoptera sp.	1	u	268	10/T	Acidota cruentata	1	oa
268	10/T	Anotylus complanatus	27	rt-sf	268	10/T	Phyllodrepa sp.	1	rt
268	10/T	Ptenidium pusillum	21	rt-sf	268	10/T	Omalium sp.	1	rt
268	10/T	Cercyon haemorrhoidalis	10	rf-sf	268	10/T	Xylodromus concinnus	1	rt-st
268	10/T	Omalium ?rivulare	7	rt-sf	268	10/T	Omalinae sp.	1	rt
268	10/T	Cercyon analis	6	rt-sf	268	10/T	Carpelimus ?bilineatus	1	rt-sf
268	10/T	Hydroporinae sp. B	5	oa-w	268	10/T	Stenus sp. A	1	u
268	10/T	Aleocharinae sp. D	5	u	268	10/T	Stenus sp. C	1	u
268	10/T	Gastrophysa viridula	5	oa-p	268	10/T	Othius sp.	1	rt
268	10/T	Cercyon unipunctatus	4	rf-st	268	10/T	Gyrophynus sp.	1	rt
268	10/T	Philonthus ?politus	4	u	268	10/T	Philonthus sp. A	1	u
268	10/T	Aleocharinae sp. E	4	u	268	10/T	Philonthus sp. B	1	u
268	10/T	Bradycellus ruficollis	3	oa-m	268	10/T	Quedius sp.	1	u
268	10/T	Megarthritis denticollis	3	rt-sf	268	10/T	Mycetoporus sp.	1	u
268	10/T	Aleochara sp.	3	u	268	10/T	Tachyporus pusillus	1	u
268	10/T	Aleocharinae sp. A	3	u	268	10/T	Tachinus subterraneus	1	u
268	10/T	Aleocharinae sp. I	3	u	268	10/T	Falagria or Cordalia sp.	1	rt-sf
268	10/T	Ephistemus globulus	3	rd-sf	268	10/T	Aleocharinae sp. B	1	u
268	10/T	Pterostichus diligens	2	oa-d	268	10/T	Aleocharinae sp. G	1	u
268	10/T	Pterostichus sp.	2	ob	268	10/T	Aleocharinae sp. H	1	u
268	10/T	Megarthritis depressus	2	rt-sf	268	10/T	Euplectini sp.	1	u
268	10/T	Platystethus arenarius	2	rf	268	10/T	Pselaphidae sp. A	1	u
268	10/T	Anotylus nitidulus	2	rt-d	268	10/T	Pselaphidae sp. B	1	u
268	10/T	Anotylus sculpturatus group	2	rt	268	10/T	Geotrupes sp.	1	oa-rf
268	10/T	Stenus sp. B	2	u	268	10/T	Aphodius ?fimetarius	1	oa-rf
268	10/T	Euaesthetus bipunctatus	2	oa	268	10/T	Aphodius sp. B	1	ob-rf
268	10/T	Lathrobium ?impressum	2	u	268	10/T	Clambus sp.	1	rt-sf
268	10/T	Tachyporus ?hypnorum	2	u	268	10/T	Byrrhidae sp.	1	oa-p
268	10/T	Tachinus laticollis or marginellus	2	u	268	10/T	Cantharis sp.	1	ob
268	10/T	Aleocharinae sp. C	2	u	268	10/T	?Grynobius planus	1	l
268	10/T	Aleocharinae sp. F	2	u	268	10/T	Anobium punctatum	1	l-sf
268	10/T	Aphodius sp.	2	ob-rf	268	10/T	Ptinidae sp.	1	rd
268	10/T	Clambus pubescens	2	rt-sf	268	10/T	Meligethes sp.	1	oa-p
268	10/T				268	10/T	Cryptophagus sp. A	1	rd-sf
268	10/T				268	10/T	Lathridius minutus group	1	rd-st

268	10/T	Corticaria sp.	1	rt-sf	550	31/1	Carabidae sp.	1	ob
268	10/T	Rhinosimus sp.	1	l	550	31/1	Cercyon atricapillus	1	rf-st
268	10/T	Bruchinae sp.	1	u	550	31/1	Histerinae sp.	1	rt
268	10/T	Plateumaris sp.	1	oa-w-p	550	31/1	Phyllodrepa ?floralis	1	rt-sf
268	10/T	Chrysolina fastuosa	1	oa-p	550	31/1	Dropephylla sp.	1	u
268	10/T	Psylliodes ?chrysocephala	1	oa-p	550	31/1	Omalium excavatum	1	rt-sf
268	10/T	Halticinae sp. A	1	oa-p	550	31/1	Xylodromus concinnus	1	rt-st
268	10/T	Halticinae sp. B	1	oa-p	550	31/1	Coprophilus striatulus	1	rt-st
268	10/T	Chrysomelidae sp.	1	oa-p	550	31/1	Anotylus rugosus	1	rt
268	10/T	Sitona sp.	1	oa-p	550	31/1	Stenus sp.	1	u
268	10/T	Ceutorhynchus sp.	1	oa-p	550	31/1	Leptacinus sp.	1	rt-st
					550	31/1	Philonthus sp.	1	u
					550	31/1	Staphylininae sp.	1	u
					550	31/1	Cordalia obscura	1	rt-sf
					550	31/1	Falagria or Cordalia sp.	1	rt-sf
					550	31/1	Aleocharinae sp. C	1	u
					550	31/1	Aleocharinae sp. D	1	u
					550	31/1	Aleocharinae sp. E	1	u
					550	31/1	Elateridae sp. A	1	ob
					550	31/1	Elateridae sp. B	1	ob
					550	31/1	Anobium punctatum	1	l-sf
					550	31/1	Tipnus unicolor	1	rd-st
					550	31/1	Ptinus sp.	1	rd-sf
					550	31/1	Monotoma sp.	1	rt-sf
					550	31/1	Mycetaea hirta	1	rd-ss
					550	31/1	Enicmus sp.	1	rt-sf
					550	31/1	?Chaetocnema sp.	1	oa-p
					550	31/1	Halticinae sp.	1	oa-p
					550	31/1	Micrelus ericae	1	oa-p-m
					551	33/1	Anotylus complanatus	10	rt-sf
					551	33/1	Cercyon analis	5	rt-sf
					551	33/1	Atomaria sp. A	4	rd
					551	33/1	Omalium ?rivulare	3	rt-sf
					551	33/1	Philonthus sp. A	3	u
					551	33/1	Acritus nigricornis	2	rt-st
					551	33/1	Xylodromus concinnus	2	rt-st
550	31/1	Anotylus complanatus	10	rt-sf	551	33/1	Xantholinus sp.	2	u
550	31/1	Philonthus sp. A	6	u	551	33/1	Philonthus sp.	2	u
550	31/1	Cercyon analis	5	rt-sf	551	33/1	Aleocharinae sp. A	2	u
550	31/1	Acritus nigricornis	5	rt-st	551	33/1	Aleocharinae sp. B	2	u
550	31/1	Quedius mesomelinus	4	rt	551	33/1	Omosita sp.	2	rt-sf
550	31/1	Cryptophagus sp. B	4	rd-sf	551	33/1	Cryptophagus sp.	2	rd-sf
550	31/1	Atomaria sp.	4	rd	551	33/1	Lathridius minutus group	2	rd-st
550	31/1	Omalium ?rivulare	3	rt-sf	551	33/1	Trechus obtusus or		
550	31/1	Gyrophypnus sp.	3	rt			quadristriatus	1	oa
550	31/1	Aleocharinae sp. B	3	u	551	33/1	Histerinae sp.	1	rt
550	31/1	Ptenidium sp.	2	rt	551	33/1	Ptenidium sp.	1	rt
550	31/1	Catops sp.	2	u	551	33/1	Lesteva ?longoelytrata	1	oa-d
550	31/1	Platystethus arenarius	2	rf	551	33/1	Omalium sp.	1	rt
550	31/1	Tachinus subterraneus	2	u	551	33/1	Coprophilus striatulus	1	rt-st
550	31/1	Aleochara sp.	2	u	551	33/1	Anotylus sculpturatus group	1	rt
550	31/1	Aleocharinae sp. A	2	u	551	33/1	Lathrobium sp.	1	u
550	31/1	Aphodius sp.	2	ob-rf	551	33/1	Quedius sp.	1	u
550	31/1	Cryptophagus ?scutellatus	2	rd-st	551	33/1	Tachinus sp.	1	u
550	31/1	Cryptophagus sp. A	2	rd-sf	551	33/1	Aleochara sp.	1	u
550	31/1	Lathridius minutus group	2	rd-st	551	33/1	Aphodius sp. A	1	ob-rf
550	31/1	Amara bifrons	1	oa	551	33/1	Aphodius sp. B	1	ob-rf
550	31/1	Bradycellus ruficollis	1	oa-m	551	33/1	Cantharidae sp.	1	ob

E29: 30-46 UPPERKIRKGATE

<i>C</i>	<i>SN</i>	<i>Taxon</i>	<i>n</i>	<i>ec</i>					
123	18/1	Aphodius sp. B	2	ob-rf	550	31/1	Aleocharinae sp. C	1	u
123	18/1	Lygaeidae sp.	1	oa-p	550	31/1	Aleocharinae sp. D	1	u
123	18/1	Trechus obtusus or			550	31/1	Aleocharinae sp. E	1	u
		quadristriatus	1	oa	550	31/1	Elateridae sp. A	1	ob
123	18/1	Colymbetinae sp.	1	oa-w	550	31/1	Elateridae sp. B	1	ob
123	18/1	Helophorus sp. A	1	oa-w	550	31/1	Anobium punctatum	1	l-sf
123	18/1	Helophorus sp. B	1	oa-w	550	31/1	Tipnus unicolor	1	rd-st
123	18/1	Cercyon sp.	1	u	550	31/1	Ptinus sp.	1	rd-sf
123	18/1	Micropeplus fulvus	1	rt	550	31/1	Monotoma sp.	1	rt-sf
123	18/1	Omalium sp.	1	rt	550	31/1	Mycetaea hirta	1	rd-ss
123	18/1	Anotylus complanatus	1	rt-sf	550	31/1	Enicmus sp.	1	rt-sf
123	18/1	Anotylus rugosus	1	rt	550	31/1	?Chaetocnema sp.	1	oa-p
123	18/1	Staphylininae sp.	1	u	550	31/1	Halticinae sp.	1	oa-p
123	18/1	Mycetoporus sp.	1	u	551	33/1	Micrelus ericae	1	oa-p-m
123	18/1	Aleocharinae sp. A	1	u	551	33/1	Anotylus complanatus	10	rt-sf
123	18/1	Aleocharinae sp. B	1	u	551	33/1	Cercyon analis	5	rt-sf
123	18/1	Aphodius sp. A	1	ob-rf	551	33/1	Atomaria sp. A	4	rd
123	18/1	Elateridae sp.	1	ob	551	33/1	Omalium ?rivulare	3	rt-sf
123	18/1	Atomaria sp.	1	rd	551	33/1	Philonthus sp. A	3	u
123	18/1	Curculionidae sp.	1	oa	551	33/1	Acritus nigricornis	2	rt-st
550	31/1	Anotylus complanatus	10	rt-sf	551	33/1	Xylodromus concinnus	2	rt-st
550	31/1	Philonthus sp. A	6	u	551	33/1	Xantholinus sp.	2	u
550	31/1	Cercyon analis	5	rt-sf	551	33/1	Philonthus sp.	2	u
550	31/1	Acritus nigricornis	5	rt-st	551	33/1	Aleocharinae sp. A	2	u
550	31/1	Quedius mesomelinus	4	rt	551	33/1	Aleocharinae sp. B	2	u
550	31/1	Cryptophagus sp. B	4	rd-sf	551	33/1	Omosita sp.	2	rt-sf
550	31/1	Atomaria sp.	4	rd	551	33/1	Cryptophagus sp.	2	rd-sf
550	31/1	Omalium ?rivulare	3	rt-sf	551	33/1	Lathridius minutus group	2	rd-st
550	31/1	Gyrophypnus sp.	3	rt			Trechus obtusus or		
550	31/1	Aleocharinae sp. B	3	u	551	33/1	quadristriatus	1	oa
550	31/1	Ptenidium sp.	2	rt	551	33/1	Histerinae sp.	1	rt
550	31/1	Catops sp.	2	u	551	33/1	Ptenidium sp.	1	rt
550	31/1	Platystethus arenarius	2	rf	551	33/1	Lesteva ?longoelytrata	1	oa-d
550	31/1	Tachinus subterraneus	2	u	551	33/1	Omalium sp.	1	rt
550	31/1	Aleochara sp.	2	u	551	33/1	Coprophilus striatulus	1	rt-st
550	31/1	Aleocharinae sp. A	2	u	551	33/1	Anotylus sculpturatus group	1	rt
550	31/1	Aphodius sp.	2	ob-rf	551	33/1	Lathrobium sp.	1	u
550	31/1	Cryptophagus ?scutellatus	2	rd-st	551	33/1	Quedius sp.	1	u
550	31/1	Cryptophagus sp. A	2	rd-sf	551	33/1	Tachinus sp.	1	u
550	31/1	Lathridius minutus group	2	rd-st	551	33/1	Aleochara sp.	1	u
550	31/1	Amara bifrons	1	oa	551	33/1	Aphodius sp. A	1	ob-rf
550	31/1	Bradycellus ruficollis	1	oa-m	551	33/1	Aphodius sp. B	1	ob-rf
550	31/1		1	oa-m	551	33/1	Cantharidae sp.	1	ob

551	33/1	Anobium punctatum	1	l-sf	27	6/T	Olophrum sp.	4	oa
551	33/1	Atomaria sp. B	1	rd	27	6/T	Anacaena sp.	3	oa-w
551	33/1	Corticaria sp.	1	rt-sf	27	6/T	Chaetarthria seminulum	3	oa-w
551	33/1	Corticarina or Cortinicara sp.	1	rt	27	6/T	Micropeplus sp.	3	rt

E34: GALLOWGATE MIDDLE SCHOOL

C	SN	Taxon	n	ec					
233	1233/T	Micropeplus fulvus	9	rt	27	6/T	Xylodromus ?concinnus	2	rt-st
233	1233/T	Pselaphidae sp.	4	u	27	6/T	Aleocharinae sp. B	2	u
233	1233/T	Aphodius ?prodromus	4	ob-rf	27	6/T	Aphodius sp. A	2	ob-rf
233	1233/T	Xantholinus gallicus			27	6/T	Ptinus ?fur	2	rd-sf
		or linearis	3	rt-sf	27	6/T	Heteroptera sp.	1	u
233	1233/T	Lathridius minutus group	3	rd-st	27	6/T	Conomelus anceps	1	oa-p
233	1233/T	Corticaria sp.	3	rt-sf	27	6/T	Auchenorhyncha sp. B	1	oa-p
233	1233/T	Cercyon analis	2	rt-sf	27	6/T	Auchenorhyncha sp. C	1	oa-p
233	1233/T	Megasternum obscurum	2	rt	27	6/T	Nebria ?brevicollis	1	oa
233	1233/T	Anotylus complanatus	2	rt-sf	27	6/T	Loricera pilicornis	1	oa
233	1233/T	Aleocharinae sp. D	2	u	27	6/T	Bembidion sp.	1	oa
233	1233/T	Aphodius ?contaminatus	2	oa-rf	27	6/T	Pterostichus sp. A	1	ob
233	1233/T	Auchenorhyncha sp.	1	oa-p	27	6/T	Pterostichus sp. C	1	ob
233	1233/T	Colymbetinae sp.	1	oa-w	27	6/T	Carabidae sp. A	1	ob
233	1233/T	Cercyon sp.	1	u	27	6/T	Carabidae sp. B	1	ob
233	1233/T	Acrotrichis sp.	1	rt	27	6/T	Cercyon sp.	1	u
233	1233/T	Lesteva longoelytrata	1	oa-d	27	6/T	Megasternum obscurum	1	rt
233	1233/T	Omalium sp. A	1	rt	27	6/T	Hydrophilidae sp.	1	u
233	1233/T	Omalium sp. B	1	rt	27	6/T	Ochthebius sp.	1	oa-w
233	1233/T	Aploderus caelatus	1	rt	27	6/T	Limnebius sp.	1	oa-w
233	1233/T	Platystethus arenarius	1	rf	27	6/T	Acrotrichis sp.	1	rt
233	1233/T	Philonthus sp. A	1	u	27	6/T	Catops ?nigricans	1	u
233	1233/T	Philonthus sp. B	1	u	27	6/T	?Lesteva sp.	1	oa-d
233	1233/T	Quedius boops group	1	u	27	6/T	Eusphalerum ?minutum	1	oa-d
233	1233/T	Staphylininae sp.	1	u	27	6/T	Dropephylla ?vilis	1	l
233	1233/T	Mycetoporus sp.	1	u	27	6/T	Omalium sp. A	1	rt
233	1233/T	Aleochara sp.	1	u	27	6/T	Omalium sp. B	1	rt
233	1233/T	Aleocharinae sp. A	1	u	27	6/T	Stenus sp. A	1	u
233	1233/T	Aleocharinae sp. B	1	u	27	6/T	Stenus sp. B	1	u
233	1233/T	Aleocharinae sp. C	1	u	27	6/T	Lathrobium sp.	1	u
233	1233/T	Aleocharinae sp. E	1	u	27	6/T	Rugilus orbiculatus	1	rt-sf
233	1233/T	Aleocharinae sp. F	1	u	27	6/T	Philonthus sp. A	1	u
233	1233/T	Aleocharinae sp. G	1	u	27	6/T	Philonthus sp. B	1	u
233	1233/T	Aleocharinae sp. H	1	u	27	6/T	Philonthus sp. C	1	u
233	1233/T	Ctenicera cuprea	1	oa-p	27	6/T	Quedius sp.	1	u
233	1233/T	Agriotes sp.	1	oa-p	27	6/T	Aleocharinae sp. A	1	u
233	1233/T	Cryptophagus sp. A	1	rd-sf	27	6/T	Aleocharinae sp. C	1	u
233	1233/T	Cryptophagus sp. B	1	rd-sf	27	6/T	Aleocharinae sp. D	1	u
233	1233/T	Donaciinae sp.	1	oa-w-p	27	6/T	Aleocharinae sp. E	1	u
233	1233/T	Longitarsus sp.	1	oa-p	27	6/T	Pselaphus heisei	1	u
233	1233/T	Curculionidae sp.	1	oa	27	6/T	?Pselaphidae sp.	1	u

E35: 16-18 NETHER KIRKGATE

C	SN	Taxon	n	ec					
27	6/T	Anotylus complanatus	8	rt-sf	27	6/T	Denticollis linearis	1	u
27	6/T	Hydraena sp.	7	oa-w	27	6/T	Elateridae sp. A	1	ob
27	6/T	Anobium punctatum	6	l-sf	27	6/T	Elateridae sp. B	1	ob
					27	6/T	Grynobius planus	1	l

27	6/T	Anobiidae sp.	1	l	37	5/T	Anotylus rugosus	1	rt
27	6/T	?Tipnus unicolor	1	rd-st	37	5/T	Stenus sp.	1	u
27	6/T	Cryptophagus sp. A	1	rd-sf	37	5/T	Gyrophypnus sp.	1	rt
27	6/T	Cryptophagus sp. B	1	rd-sf	37	5/T	Xantholinus linearis or		
27	6/T	Atomaria sp.	1	rd			longiventris	1	rt-sf
27	6/T	?Sericoderus lateralis	1	rt-st	37	5/T	?Neobisnius sp.	1	u
27	6/T	Orthoperus sp.	1	rt	37	5/T	Philonthus sp. A	1	u
27	6/T	Enicmus sp.	1	rt-sf	37	5/T	Philonthus sp. B	1	u
27	6/T	Corticaria sp. A	1	rt-sf	37	5/T	Tachinus sp.	1	u
27	6/T	Corticaria sp. B	1	rt-sf	37	5/T	?Cratarea suturalis	1	rt-st
27	6/T	Corticaria sp. C	1	rt-sf	37	5/T	Aleocharinae sp. A	1	u
27	6/T	Donaciinae sp.	1	oa-w-p	37	5/T	Aleocharinae sp. B	1	u
27	6/T	Ceutorhynchus ?contractus	1	oa-p	37	5/T	Aleocharinae sp. E	1	u
27	6/T	Curculionidae or			37	5/T	Aleocharinae sp. F	1	u
		Scolytidae sp.	1	u	37	5/T	Aleocharinae sp. G	1	u
27	6/T	Coleoptera sp. A	1	u	37	5/T	Aphodius sp. A	1	ob-rf
27	6/T	Coleoptera sp. B	1	u	37	5/T	Aphodius sp. B	1	ob-rf
27	6/T	Coleoptera sp. C	1	u	37	5/T	Aphodius sp. C	1	ob-rf
37	5/T	Anotylus complanatus	25	rt-sf	37	5/T	Aphodius sp. D	1	ob-rf
37	5/T	Aleocharinae sp. C	6	u	37	5/T	Serica brunnea	1	oa-p
37	5/T	Cercyon analis	5	rt-sf	37	5/T	?Clambus sp.	1	rt-sf
37	5/T	Ptinus fur	5	rd-sf	37	5/T	?Cyphon sp.	1	oa-d
37	5/T	Xylodromus concinnus	4	rt-st	37	5/T	Elateridae sp. A	1	ob
37	5/T	Tipnus unicolor	4	rd-st	37	5/T	Elateridae sp. B	1	ob
37	5/T	Omalium sp. A	3	rt	37	5/T	Cantharidae sp.	1	ob
37	5/T	Aleocharinae sp. D	3	u	37	5/T	Monotoma sp.	1	rt-sf
37	5/T	Cryptophagus acutangulus	3	rd-sf	37	5/T	?Cryptophagus sp.	1	rd-sf
37	5/T	Lathridius minutus group	3	rd-st	37	5/T	Cryptophagus sp. A	1	rd-sf
37	5/T	Micrelus ericae	3	oa-p-m	37	5/T	Cryptophagus sp. B	1	rd-sf
37	5/T	Cercyon haemorrhoidalis	2	rf-sf	37	5/T	Atomaria sp. A	1	rd
37	5/T	Cercyon terminatus	2	rf-st	37	5/T	Atomaria sp. B	1	rd
37	5/T	Philonthus or Quedius sp.	2	u	37	5/T	Atomaria sp. C	1	rd
37	5/T	Cryptophagus scutellatus	2	rd-st	37	5/T	Corticaria sp. A	1	rt-sf
37	5/T	Orthoperus sp.	2	rt	37	5/T	Corticaria sp. B	1	rt-sf
37	5/T	Salpingidae sp.	2	l	37	5/T	Corticaria sp. C	1	rt-sf
37	5/T	Cicadella viridis	1	oa-p	37	5/T	Corticaria sp. D	1	rt-sf
37	5/T	Auchenorhyncha sp.	1	oa-p	37	5/T	Aglenus brunneus	1	rt-ss
37	5/T	Nebria ?brevicollis	1	oa	37	5/T	Barynotus sp.	1	oa-p
37	5/T	?Trechus sp.	1	ob	37	5/T	Sitophilus granarius	1	g-ss
37	5/T	?Pterostichus sp.	1	ob	108	3/T	Anotylus complanatus	8	rt-sf
37	5/T	Harpalus sp.	1	oa	108	3/T	Cercyon analis	4	rt-sf
37	5/T	Carabidae sp.	1	ob	108	3/T	Ptenidium sp.	3	rt
37	5/T	Helophorus sp.	1	oa-w	108	3/T	Carpelimus ?bilineatus	3	rt-sf
37	5/T	Cercyon atricapillus	1	rf-st	108	3/T	Platystethus arenarius	3	rf
37	5/T	Cercyon unipunctatus	1	rf-st	108	3/T	Aleocharinae sp. B	3	u
37	5/T	Megasternum obscurum	1	rt	108	3/T	Aleocharinae sp. D	3	u
37	5/T	Hydrophilinae sp.	1	oa-w	108	3/T	Pselaphidae sp.	3	u
37	5/T	Acrotrichis sp.	1	rt	108	3/T	Tipnus unicolor	3	rd-st
37	5/T	Silphidae sp.	1	u	108	3/T	Xylodromus concinnus	2	rt-st
37	5/T	Micropeplus fulvus	1	rt	108	3/T	Aleocharinae sp. C	2	u
37	5/T	Olophrum ?piceum	1	oa	108	3/T	Aleocharinae sp. E	2	u
37	5/T	Dropephylla ?vilis	1	l	108	3/T	Aleocharinae sp. F	2	u
37	5/T	Omalium sp. B	1	rt	108	3/T	Ptinus ?fur	2	rd-sf
37	5/T	Omalinae sp. A	1	u	108	3/T	Brachypterus sp.	2	oa-p
37	5/T	Omalinae sp. B	1	u	108	3/T	Lathridius minutus group	2	rd-st
37	5/T	Carpelimus sp.	1	u	108	3/T	Corticaria sp. A	2	rt-sf
37	5/T	Platystethus arenarius	1	rf	108	3/T	Cidnorhinus quadrimaculatus	2	oa-p
37	5/T	Anotylus nitidulus	1	rt-d	108	3/T	Lygaeidae sp.	1	oa-p

108	3/T	Auchenorhyncha sp.	1	oa-p	410	2/T	Bembidion sp.	1	oa
108	3/T	Pterostichus sp.	1	ob	410	2/T	Carabidae sp. A	1	ob
108	3/T	Carabidae sp. A	1	ob	410	2/T	?Hydroporinae sp.	1	oa-w
108	3/T	Carabidae sp. B	1	ob	410	2/T	Helophorus sp. A	1	oa-w
108	3/T	Carabidae sp. C	1	ob	410	2/T	Helophorus sp. B	1	oa-w
108	3/T	Hydroporinae sp.	1	oa-w	410	2/T	Cercyon analis	1	rt-sf
108	3/T	Cercyon unipunctatus	1	rf-st	410	2/T	Hydrophilinae sp.	1	oa-w
108	3/T	Cercyon sp.	1	u	410	2/T	Onthophilus striatus	1	rt
108	3/T	Hydrophilinae sp.	1	oa-w	410	2/T	Anotylus rugosus	1	rt
108	3/T	Hydraena sp.	1	oa-w	410	2/T	Gyrohypnus sp.	1	rt
108	3/T	Olophrum sp.	1	oa	410	2/T	Aleocharinae sp. A	1	u
108	3/T	Lesteva ?heeri	1	oa-d	410	2/T	Aphodius sp.	1	ob-rf
108	3/T	Lesteva sp.	1	oa-d	410	2/T	?Cyphon sp.	1	oa-d
108	3/T	Dropephylla vilis	1	l	410	2/T	?Elateridae sp.	1	ob
108	3/T	Omalius ?rivulare	1	rt-sf	410	2/T	Ptinus sp.	1	rd-sf
108	3/T	Omalius sp. A	1	rt	410	2/T	Cryptophagus sp. A	1	rd-sf
108	3/T	Omalius sp. B	1	rt	410	2/T	Cryptophagus sp. B	1	rd-sf
108	3/T	Carpelimus pusillus group	1	u	410	2/T	Atomaria sp.	1	rd
108	3/T	Aploderus caelatus	1	rt	410	2/T	Corticaria sp.	1	rt-sf
108	3/T	Stenus sp.	1	u	410	2/T	Curculionidae sp.	1	oa
108	3/T	Gyrohypnus angustatus	1	rt-st	410	2/T	Scolytidae sp.	1	l
108	3/T	Gyrohypnus fracticornis	1	rt-st	410	2/T	Coleoptera sp. A	1	u
108	3/T	Xantholinus sp.	1	u	410	2/T	Coleoptera sp. B	1	u
108	3/T	Philonthus sp. A	1	u	430	14/T	Helophorus sp.	2	oa-w
108	3/T	Philonthus sp. B	1	u	430	14/T	Xylodromus concinnus	2	rt-st
108	3/T	Tachyporus sp.	1	u	430	14/T	Ptinus fur	2	rd-sf
108	3/T	?Cratarea suturalis	1	rt-st	430	14/T	Nebria sp.	1	oa
108	3/T	Aleocharinae sp. A	1	u	430	14/T	Bradycellus ruficollis	1	oa-m
108	3/T	Aleocharinae sp. G	1	u	430	14/T	Carabidae sp. A	1	ob
108	3/T	Aphodius sp. A	1	ob-rf	430	14/T	Carabidae sp. B	1	ob
108	3/T	Aphodius sp. B	1	ob-rf	430	14/T	Hydroporinae sp.	1	oa-w
108	3/T	Aphodius sp. C	1	ob-rf	430	14/T	Cercyon sp.	1	u
108	3/T	?Melolonthinae/Rutelinae/ Cetoninae sp.	1	oa-p	430	14/T	?Anacaena sp.	1	oa-w
108	3/T	Ctenicera sp.	1	oa-p	430	14/T	Omalius sp.	1	rt
108	3/T	Elateridae sp.	1	ob	430	14/T	Platystethus arenarius	1	rf
108	3/T	Anobiidae sp.	1	l	430	14/T	Anotylus nitidulus	1	rt-d
108	3/T	Meligethes sp.	1	oa-p	430	14/T	Gyrohypnus sp.	1	rt
108	3/T	Cryptophagus scutellatus	1	rd-st	430	14/T	?Neobisnius sp.	1	u
108	3/T	Cryptophagus sp. A	1	rd-sf	430	14/T	Aleocharinae sp. A	1	u
108	3/T	Cryptophagus sp. B	1	rd-sf	430	14/T	Aleocharinae sp. B	1	u
108	3/T	Atomaria sp.	1	rd	430	14/T	Geotrupes sp.	1	oa-rf
108	3/T	Orthoperus sp.	1	rt	430	14/T	Aphodius sp. A	1	ob-rf
108	3/T	Corticaria sp. B	1	rt-sf	430	14/T	Aphodius sp. B	1	ob-rf
108	3/T	Chrysomelinae sp.	1	oa-p	430	14/T	Anobium punctatum	1	l-sf
108	3/T	Sitona sp.	1	oa-p	430	14/T	Cryptophagus sp.	1	rd-sf
108	3/T	Micrelus ericae	1	oa-p-m	430	14/T	Atomaria ?nigripennis	1	rd-ss
108	3/T	Coleoptera sp.	1	u	430	14/T	Corticaria sp.	1	rt-sf
410	2/T	Atomaria ?nigripennis	3	rd-ss	430	14/T	Aglenus brunneus	1	rt-ss
410	2/T	Ptenidium sp.	2	rt	430	14/T	Donaciinae sp.	1	oa-w-p
410	2/T	Omalius sp.	2	rt	430	14/T	Sitophilus granarius	1	g-ss
410	2/T	Xylodromus concinnus	2	rt-st	442	13/T	Curculionidae sp.	1	oa
410	2/T	Aleocharinae sp. B	2	u	442	13/T	Cercyon analis	3	rt-sf
410	2/T	Aleocharinae sp. C	2	u	442	13/T	Anotylus complanatus	3	rt-sf
410	2/T	Anobium punctatum	2	l-sf	442	13/T	?Hemiptera sp.	1	u
410	2/T	Lygaeidae sp.	1	oa-p	442	13/T	Pterostichus ?diligens	1	oa-d
410	2/T	Corixidae sp.	1	oa-w	442	13/T	?Bradycellus sp.	1	oa
410	2/T	Bembidion (Philochthus) sp.	1	oa	442	13/T	Carabidae sp. A	1	ob
					442	13/T	Agabus ?bipustulatus	1	oa-w

442	13/T	Helophorus sp.	1	oa-w	442	13/T	Pselaphidae sp.	1	u
442	13/T	Cercyon atricapillus	1	rf-st	442	13/T	Aphodius sp. A	1	ob-rf
442	13/T	Megasternum obscurum	1	rt	442	13/T	Aphodius sp. B	1	ob-rf
442	13/T	?Hydrophilinae sp.	1	oa-w	442	13/T	Ctenicera cuprea	1	oa-p
442	13/T	?Acritus sp.	1	u	442	13/T	Elateridae sp. A	1	ob
442	13/T	Olophrum sp.	1	oa	442	13/T	Elateridae sp. B	1	ob
442	13/T	Omalius sp.	1	rt	442	13/T	Ptinus ?fur	1	rd-sf
442	13/T	Xylodromus concinnus	1	rt-st	442	13/T	Ptinidae sp.	1	rd
442	13/T	Omaliinae sp.	1	rt	442	13/T	?Meligethes sp.	1	oa-p
442	13/T	Stenus sp.	1	u	442	13/T	Atomaria sp.	1	rd
442	13/T	Euaesthetus sp.	1	oa	442	13/T	Lathridius minutus group	1	rd-st
442	13/T	Philonthus sp.	1	u	442	13/T	Corticaria sp. A	1	rt-sf
442	13/T	?Quedius sp.	1	u	442	13/T	Corticaria sp. B	1	rt-sf
442	13/T	Staphylininae sp.	1	u	442	13/T	Bruchidae sp.	1	u
442	13/T	Aleocharinae sp. A	1	u	442	13/T	Chrysomelinae sp.	1	oa-p
442	13/T	Aleocharinae sp. B	1	u	442	13/T	Curculionidae sp.	1	oa