

A Bath House, Settlement and Industry on Roman Southwark's North Island: Excavations along the route of Thameslink Borough Viaduct and at London Bridge Station

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Appendix 8 Insect taxa David Smith

Table A10 The insect remains from Railway Approach (BVL)

	Ecological codes	Syn-anthropogenic codes	Sample /contextNo.					Phytophage host plants (based on Koch (1989, 1992))
			23	27	32	33	36	
			BVL [514]	BVL [516]	BVL [613]	BVL [620]	BVL [621]	
HEMIPTERA								
Family, genus and spp. Indet.			-	1	-	-	-	
COLEOPTERA								
Carabidae								
<i>Clivina fossor</i> (L.)	oa		-	1	1	1	1	
<i>Dyschirius globosus</i> (Hbst.)	oa		-	1	-	1	1	
<i>Trechus secalis</i> (Payk.)	oa-ws		-	1	-	-	1	
<i>Trechus quadristriatus</i> (Schrk)	oa		-	3	3	-	-	
<i>T. quadristriatus</i> (Schrk)/ <i>T. obtusus</i> Er.	oa		-	-	-	2	2	
<i>Trechus</i> spp.	oa		-	-	1	-	-	
<i>Bembidion doris</i> (Panz.)	oa		-	-	-	1	-	
<i>Bembidion guttula</i> (F.)	oa		1	-	-	-	2	
<i>Bembidion</i> spp.	oa		-	-	1	1	-	
<i>Harpalus rufipes</i> (Geer)	oa		-	-	-	-	1	
<i>Acupalpus</i> spp.	oa		-	1	-	1	1	
<i>Poecilus versicolor</i> (Sturm)	oa		-	-	1	-	-	
<i>Pterostichus strenuus</i> (Panz.)	oa		-	1	-	-	-	
<i>Pterostichus melanarius</i> (Ill.)	oa		-	-	1	-	-	
<i>P. madidus</i> (F.)	oa		-	-	-	1	1	
<i>Agonum</i> sp.	oa		-	1	-	-	-	
<i>Amara</i> spp.	oa		-	-	3	-	1	
Dytiscidae								
<i>Agabus bipustulatus</i> (L.)	oa-w		1	-	1	-	-	
Hydraenidae								
<i>Ochthebius minimus</i> (F.)	oa-w		-	-	3	1	-	
<i>Ochthebius</i> spp.	oa-w		4	-	13	2	2	
<i>Limnebius</i> spp.	oa-w		3	-	-	-	-	
<i>Helophorus grandis</i> (Ill.)	oa-w		-	-	1	-	-	
<i>Helophorus</i> spp.	oa-w		5	5	3	1	2	
Hydrophilidae								
<i>Sphaeridium lunatum</i> F.	rf		-	1	1	-	2	
<i>Cercyon depressus</i> Steph.	sw		-	2	-	-	-	
<i>Cercyon impressus</i> (Sturm)	rf		4	-	1	-	-	
<i>Cercyon haemorrhoidalis</i> (F.)	rf		-	-	-	-	2	
<i>Cercyon melanocephalus</i> (L.)	rf		-		2	3	1	
<i>Cercyon unipunctatus</i> (L.)	rf		-	-	1	-	-	
<i>Cercyon atricapillus</i> (Marsh.)	rf		2	3	13	6	4	
<i>Cercyon analis</i> (Payk.)	rt		2	5	6	10	8	

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<i>Megasternum boletophagum</i> (Marsh.)	rt		3	4	2	3	3	
<i>Cryptopleurum minutum</i> (F.)	rf		-	-	1	2	1	
<i>Hydrobius fuscipes</i> (L.)	oa-w		1	1	1	-	-	
<i>Helochares lividus</i> (Forst.)	oa-w		5	-	-	-	-	
Histeridae								
<i>Acritus nigricornis</i> (Hoffm.)	rt		1	4	1	1	-	
<i>Hister striola</i> Sahlb.	rt		-	1	-	-	1	
<i>Hister</i> spp.	rt		-	-	-	1	-	
<i>Atholus bimaculatus</i> (L.)	rt		1	-	-	-	-	
Catopidae								
<i>Catops</i> spp.	oa		-	-	1	-	-	
Orthoperidae								
<i>Corylophus cassidoides</i> (Marsh.)	rt		1	-	-	-	-	
<i>Orthoperus</i> spp.	rt		-	-	1	-	-	
Ptiliidae								
Ptilidae Genus & spp. indet.	rt		-	4	-	1	1	
Staphylinidae								
<i>Micropeplus staphylinoides</i> (Marsh.)	rt		-	-	1	-	-	
<i>Megarthus</i> sp.			-	-	-	1	1	
<i>Proteinus</i> spp.			1	-	-	1	-	
<i>Phyllodrepa floralis</i> (Payk.)	rt		-	1	-	-	-	
<i>O. caesum</i> Grav.	rt		1	-	1	-	-	
<i>Omalium</i> spp.	rt		-	-	2	-	-	
<i>Olophrum</i> spp.	oa		-	-	1	-	-	
<i>Lesteva longelytrata</i> (Goeze)	oa-ws		1	-	1	-	-	
<i>Trogophloeus bilineatus</i> (Steph.)	rt		-	-	1	1	-	
<i>T. rivularis</i> Motsch.			-	1	-	-	-	
<i>T. fuliginosus</i> (Grav.)	u		-	-	1	1	-	
<i>Trogophloeus</i> spp.	u		2	4	-	1	2	
<i>Oxytelus sculptus</i> Grav.	rt		3	3	-	4	3	
<i>Oxytelus sculpturatus</i> Grav.	rt		1	3	17	-	1	
<i>Oxytelus nitidulus</i> Grav.	rt-ws		-	3	2	3	3	
<i>Platystethus arenarius</i> (Fourc.)	rf		-	2	1	-	1	
<i>Platystethus cornutus</i> (Grav.)	oa-ws		-	1	1	-	-	
<i>Platystethus nitens</i> (Sahlb.)	oa-ws		-	2	2	-	1	
<i>Stenus</i> spp.	u		1	-	1	2	-	
<i>Astenus</i> spp.	rt		-	1	-	-	-	
<i>Stilicus orbiculatus</i> (Payk.)			-	-	1	-	1	
<i>Lithocharis</i> spp.	rt		1	-	1	-	-	

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<i>Gauropterus fulgidus</i> (F.)			-	-	1	-	-	
<i>Gyrophynus fracticornis</i> (Müll.)	rt		-	1	2	1	1	
<i>Xantholinus</i> spp.			1	6	2	-	2	
<i>Neobisnius</i> spp.	rt		-	1	-	-	-	
<i>Philonthus</i> spp.			7	3	5	2	3	
<i>Quedius</i> spp.			-	-	-	1	-	
<i>Philonthus</i> spp.			7	-	-	-	-	
<i>Tachinus</i> spp.			-	1	-	1	1	
<i>Leucoparyphus silphoides</i> (L.)	rt		-	-	-	1	-	
<i>Falagria</i> spp.	rt		2	3	1	3	3	
Aleocharinidae Genus & spp. Indet.			-	5	5	2	-	
Elateridae								
<i>Athous haemorrhoidalis</i> (F.)	oa-p		-	-	-	-	1	
Dryopidae								
<i>Dryops</i> spp.	oa-w		-	-	1	1	-	
Nitidulidae								
<i>O. colon</i> (L.)	rt		2	1	-	-	-	
Cucujidae								
<i>Monotoma picipes</i> Hbst.	rt		-	1	1	-	-	
<i>M. testacea</i> Motsch.	rt		-	-	-	1	-	
<i>Monotoma</i> spp.	rt		-	5	9	2	1	
<i>Oryzaephilus surinamensis</i> (L.)	g		15	7	4	1	1	
<i>Laemophloeus ferrugineus</i> (Steph.)	g		23	2	3	2	1	
Cryptophagidae								
<i>Cryptophagus</i> spp.	rd-h		2	-	3	3	2	
<i>Atomaria</i> spp.	rd-h		3	15	3	5	17	
Phalacridae								
<i>Phalacrus</i> spp.	ws		1	-	-	1	1	
<i>Olibrus</i> sp.	ws		-	-	-	-	1	
Lathridiidae								
<i>Enicmus minutus</i> (Group)	rd-h		8	9	4	5	6	
<i>Corticaria/corticarina</i> spp.	rt		2	1	1	3	4	
Mycetophagidae								
<i>Typhaea stercorea</i> (L.)	rd		2	2	2	2	1	
Lyctidae								
<i>Lyctus linearis</i> (Goeze)	l-h		2	1	1	-	-	
Anthicidae								
<i>Anthicus bifasciatus</i> (Rossi)	rt		-	2	-	-	-	
<i>Anthicus formicarius</i> (Goeze)	rt		-	1	3	-	6	

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<i>Anthicus antherinus</i> (L.)	oa		-	1	-	-	-	
<i>Anthicus</i> spp.	rt		2	5	3	2	-	
Tenebrionidae								
<i>Palorus ratzeburgi</i> (Wissm.)	g		2	-	-	1	-	
Scarabaeidae								
<i>Onthophagus</i> spp.	oa-rf		-	1	-	-	-	
<i>Oxyomus silvestris</i> (Scop.)	rt		-	4	1	-	1	
<i>Aphodius sphacelatus</i> (Panz.) or <i>A. prodromus</i> (Brahm)	oa-rf		-	-	-	1	-	
<i>Aphodius prodromus</i> (Brahm)	oa-rf		-	-	2	-	-	
<i>Aphodius fimetarius</i> (L.)	oa-rf		-	2	-	-	2	
<i>Aphodius granarius</i> (L.)	oa-rf		3	6	4	2	3	
Chrysomelidae								
<i>Gastroidea viridula</i> (Geer)	oa-p		1	1	-	1	-	On <i>Rumex</i> (Dock spp.)
<i>Prasocuris phellandrii</i> (L.)	oa-ws		1	-	-	-	-	On aquatic Apiaceae (Umbellifers)
<i>Phyllotreta</i> spp.	oa		-	4	2	2	1	
<i>Crepidodera</i> sp.	oa		-	-	-	1	1	
<i>Epitrix pubescens</i> (Koch.)	oa-p		-	1	-	2	1	on <i>Solanum nigrum</i> (L.) (deadly night shade).
<i>Chaetocnema concinna</i> (Marsh.)	oa		-	-	2	1	1	
<i>Chaetocnema</i> spp.	oa		-	-	-	2	-	
<i>Psylliodes</i> sp.	oa-p		-	-	-	-	2	
Bruchidae								
<i>Bruchus</i> spp.	oa		1	-	-	-	-	
Curculionidae								
<i>Apion</i> spp.	oa-p		1	2	-	-	2	
<i>Sitona</i> spp.	oa		2	1	1	1	1	
<i>Sitophilus granarius</i> (L.)	g		7	2	2	1		
<i>Ceutorhynchus contractus</i> (Marsh.)	oa-p		-	-	-	-	1	Usually associated with Resedaceae and Papaveraceae (mignonettes and poppies)

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<i>Ceutorhynchus</i> spp.	oa-p		-	1	-	-	-	
<i>Gymnetron</i> spp.	oa-p		-	1	-	-	-	<i>Plantago lanceolata</i> L. (plantain)
SIPHONAPTERA								
<i>Pulex irritans</i> (L.)			-	1	-	-	-	
DIPTERA								
SUBORDER CYCLORRHAPHA								
Family, genus & spp. indet.			-	1	-	5	17	
Sepsidae								
<i>Sepsis</i> spp.			2	1	-	-	2	
Sphaeroceridae								
<i>Sphaerocera curvipes</i> Lat.			-	-	-	-	2	
Copromyzinae Genus and spp. indet.			-	-	4	-	-	
Limosininae Gen. & spp. Indet.			3	1	4	5	-	
cf. <i>Telomerina flavipes</i> (Meigen)			-	-	-	-	5	
Sarcophagidae								
<i>Sarcophaga</i> spp.			3	-	-	-	-	
Calliphoridae								
<i>Calliphora</i> spp.			-	-	-	-	1	
Scathophagidae								
? <i>Scathophaga</i> sp.			-	-	-	1	-	
Muscinae								
<i>Musca domestica</i> L.			3	1	-	-	1	
HYMENOPTERA								
Formicoidea Family Genus and spp. indet.			-	-	2	-	1	

Ecological coding (Kenward and Hall 1995)

oa (& ob) - Species which will not breed in human housing.
w- aquatic species.

c-species associated with salt water and coastal areas

ws- species associated with damp watersides and river banks.

rd- species primarily associated with drier organic matter.

rf - species primarily associated with foul organic matter often dung.

rt - insects associated with decaying organic matter but not belonging to either the rd or rf groups.

g- species associated with grain.

l - species associated with timber.

p – phytophage species often associated with waste areas or grassland and pasture

pu – species associated with pulses (peas and beans)

h - members of the 'house fauna' this is a very arbitrary group based on archaeological associations (Hall and Kenward 1990).

Synanthropic coding (Kenward 1997)

sf - facultative synanthropes - common in 'natural' habitats but clearly favoured by artificial ones.

st - typically synanthropes - particularly favoured by artificial habitats but believed to be able to survive in nature in the long term.

ss - strong synanthropes - essentially dependant on human activity for survival.