

No.	Bee	Common name	Comment	Hyperlink to image	1999**	2000*	2006*	2007*	2015***	2018 ¹	2019*
1	<i>Nomada goodeniana</i>	Gooden's nomad bee	Is a nest parasite of <i>Andrena nigroaenea</i> (source www.habitas.org.uk)	https://www.bwars.com/bee/apidae/nomada-goodeniana	√	√	√	√			√
2	<i>Nomada flavopicta</i>	Blunthorn nomad		https://www.flickr.com/photos/63075200@N07/sets/72157633441268055					√		
3	<i>Nomada fucata</i>		Parasities the nests of <i>Andrena flavipes</i> (source www.bwars.com)	http://www.bwars.com/index.php?q=bee/apidae/nomada-fucata	√	√	√	√	√		√
4	<i>Nomada lathburiana</i>		Cleptoparasite of <i>Andrena cineraria</i> (source www.bwars.com)	http://www.bwars.com/index.php?q=bee/apidae/nomada-lathburiana	√	√	√	√			√
5	<i>Sphecodes monilicornis</i>	Square-headed blood bee	Attacks the nests of <i>Lasioglossum malachurum</i> (source www.eakringbirds.com)	https://www.flickr.com/photos/63075200@N07/sets/72157638183768695/	√	√	√	√			√
6	<i>Lasioglossum parvulum</i>	Smooth-gastered furrow bee	A putative host of several cleptoparasitic bees, including <i>Sphecodes geoffrellus</i> (Kirby), <i>S. crassus</i> Thomson, <i>S. miniatus</i> von Hagens, <i>S. ephippius</i> (Linnaeus) and <i>Nomada sheppardana</i> (Kirby). Specimens are occasionally collected carrying females of the stylons <i>Halictoxenos</i> . (source www.bwars.com)	https://www.flickr.com/photos/63075200@N07/sets/72157649405511616/	√			√			
7	<i>Andrena fulva/andrena armata</i>	Tawny mining bee	<i>Nomada panzeri</i> Lepelletier and <i>N. signata</i> Jurine are cleptoparasites of this bee (source www.bwars.com). Also attacked by the bee-fly <i>Bombylius major</i> and <i>Leucophora</i> flies (source Steven Falk, Field Guide to Bees or Great Britain and Ireland)	http://www.bwars.com/index.php?q=bee/andrenidae/andrena-fulva&page=1	√	√	√				√
8	<i>Andrena wilkella</i>	Small white-haired bee or Wilke's mining bee	<i>Nomada striata</i> Fabricius is a cleptoparasite of this species (source www.bwars.com)	https://www.flickr.com/photos/63075200@N07/sets/72157639396785955/	√	√	√				
9	<i>Andrena tibialis</i>			http://www.commanster.eu/commanster/Insects/Bees/WBees/Andrena.tibialis.html	√						

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10	<i>Andrena nitida/Andrena pubescens</i>	Grey patched mining bee	It is possible that the cuckoo-bee <i>Nomada goodeniana</i> parasitises this species. It is known to be parasitised by the Strepsipteran <i>Stylops melittae</i> , but this is not very frequent. (source www.bwars.com)	https://www.flickr.com/photos/63075200@N07/sets/72157639922243985/	√	√	√	√			√
11	<i>Andrena cineraria</i>	Ashy mining bee/ Grey mining bee	See <i>Nomada lathburiana</i>	http://www.bwars.com/index.php?q=bee/andrenidae/andrena-cineraria	√	√	√	√			√
12	<i>Andrena flavipes</i>	Yellow legged mining bee	See <i>Nomada fucata</i>	http://www.bwars.com/sites/www.bwars.com/files/info_sheets/Andrena_flavipes_infosheet.pdf	√	√	√	√	FV		√
13	<i>Andrena humilis</i>		The cleptoparasitic bee <i>Nomada Integra</i> is specifically associated with this species (source www.bwars.com)	http://www.bwars.com/index.php?q=bee/andrenidae/andrena-humilis	√	√	√	√			√
14	<i>Andrena angustior</i>	Groove faced mining bee		https://www.flickr.com/photos/63075200@N07/sets/72157640599506795/		√		√			
15	<i>Andrena bicolor</i>	Gwynne's mining bee				√	√	√			
16	<i>Andrena haemorrhoa</i>	Early mining bee		http://www.eakingbirds.com/eakingbirds2/insectinfocusandrenahaemorrhoa.htm		√	√				√
17	<i>Andrena labiata</i>	Red girdled mining bee	The rare bee <i>Nomada guttulata</i> Schenck is a known cleptoparasite of <i>A. Labiata</i> (from www.bwars.com)	https://www.flickr.com/photos/63075200@N07/sets/72157640840109505/		√					
18	<i>Andrena ovulata</i>					√		√	√		
19	<i>Andrena scotica</i>			https://www.bwars.com/bee/andrenidae/andrena-scotica		√	√		F		√
20	<i>Lasioglossum calceatum</i>	Common furrow bee		https://www.flickr.com/photos/63075200@N07/sets/72157644556593443/		√	√		√		√
21	<i>Lasioglossum leucozonium</i>	Sweat bee	There are no host-specific Sphecodes on <i>L. leucozonium</i> but <i>S. ephippius</i> will parasitize this species and other <i>Lasioglossum</i> . (source www.bwars.com)	http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-leucozonium		√	√	√	√		√

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22	<i>Lasioglossum punctatissimum</i>	Long faced furrow bee		http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-punctatissimum		✓	✓				
23	<i>Sphecodes crassus</i>	Swollen thighed blood bee		https://www.flickr.com/photos/63075200@N07/sets/72157638185052253/		✓		✓			✓
24	<i>Sphecodes reticulatus</i>	Reticulate blood bee		https://www.flickr.com/photos/63075200@N07/sets/72157638183534895/		✓	✓				
25	<i>Panurgus banksianus</i>			http://www.bwars.com/index.php?q=bee/andrenidae/panurgus-banksianus		✓		✓	✓		✓
26	<i>Hylaeus hyalinatus</i>	Hairy yellow face or Hyaline masked bee	A plasterer bee	https://www.flickr.com/photos/63075200@N07/sets/72157633244619676/		✓					
27	<i>Colletes succinctus</i>		A plasterer bee	http://www.bwars.com/sites/www.bwars.com/files/info_sheet_s/19_Colletes_succinctus_1col_infosheet.pdf		✓	✓	✓			✓
28	<i>Anthophora bimaculata</i>	Little flower bee		https://www.flickr.com/photos/63075200@N07/sets/72157633022125950/		✓	✓	✓	✓		✓
29	<i>Anthophora furcata</i>	Fork tailed flower bee		http://www.bwars.com/sites/www.bwars.com/files/info_sheet_s/17_Anthophora_furcata_20110725.pdf					F		
30	<i>Hoplitis claviventris</i>	Wetted less mason bee		https://www.flickr.com/photos/63075200@N07/sets/72157633188189556/		✓	✓				
31	<i>Megachile willughbiella</i>	Leafcutter bee or Willughby's leafcutter		https://www.flickr.com/photos/63075200@N07/sets/72157633292003942/		✓	✓	✓			
32	<i>Nomada fabriciana</i>			http://www.bwars.com/index.php?q=bee/apidae/nomada-fabriciana		✓	✓				✓
33	<i>Nomada flava</i>			https://www.flickr.com/photos/63075200@N07/sets/72157633441342695/		✓					
34	<i>Nomada flavoguttata</i>			http://www.wildebijen.nl/nomada_flavoguttata.html		✓	✓	✓			✓
35	<i>Nomada guttulata</i>		A cleptoparasite of the mining bee <i>Andrena labiata</i>	http://www.bwars.com/index.php?q=bee/apidae/nomada-guttulata		✓					

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36	Nomada integra		Well known as a cleptoparasite of <i>Andrena humilis</i> (source www.bwars.com)	http://www.bwars.com/index.php?q=bee/apidae/nomada-integra		√	√	√			
37	Nomada marshamella	Marsham's nomad	This species is mainly a cleptoparasite of <i>Andrena carantonica</i> (source www.bwars.com)	https://www.flickr.com/photos/63075200@N07/sets/72157633464651197/		√					√
38	Nomada panzeri	Panzer's nomad		https://www.flickr.com/photos/63075200@N07/sets/72157633480087210/		√					
39	Nomada ruficornis	Bifid jawed nomad or Common bee wasp	The Bee Wasp larvae eat the larvae of the host bee. This species of Bee Wasp often targets <i>Andrena haemorrhoa</i> (source www.naturespot.org.uk).	https://www.flickr.com/photos/63075200@N07/sets/72157633479986400/		√	√	√			
40	Nomada rufipes		The female bee lays her eggs in provisioned cells inside the underground nests of its hosts, which are bees of the <i>Andrena denticulata</i> group (source www.bwars.com)	http://www.bwars.com/index.php?q=bee/apidae/nomada-rufipes		√	√	√			√
41	Bombus hypnorum	Tree bee		http://www.bwars.com/index.php?q=bee/apidae/bombus-hypnorum					F		√
42	Bombus lapidarius	Large red tailed bumble bee		http://www.bwars.com/index.php?q=bee/apidae/bombus-lapidarius		√	√	√	√		√
43	Bombus lucorum		In recent years it has become apparent that the bee known as <i>B. lucorum</i> (Linnaeus, 1761) is in fact a species complex, containing two other species - <i>B. magnus</i> and <i>B. cryptarum</i> . Separation of the three species is very difficult, so that definitive records for any of the three species are rare. (source www.bwars.com)			√					√
44	Bombus pascuorum	Common carder bee		http://www.bwars.com/index.php?q=bee/apidae/bombus-pascuorum		√	√	√	√		√
45	Bombus pratorum			http://www.bwars.com/index.php?q=bee/apidae/bombus-pratorum		√	√				
46	Bombus terrestris	Buff tailed bumble bee		http://www.bwars.com/index.php?q=bee/apidae/bombus-terrestris		√	√	√	FV		√

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47	<i>Bombus vestalis</i>			http://www.bwars.com/index.php?q=bee/apidae/bombus-vestalis		√	√	√			√
48	<i>Apis mellifera</i>	Western honey bee		https://www.bwars.com/bee/apidae/apis-mellifera		√		√	√		√
49	<i>Andrena chrysoseles</i>	Hawthorn mining bee		https://www.flickr.com/photos/63075200@N07/sets/72157640849883643/			√				
50	<i>Andrena dorsata</i>	Short fringed mining bee		http://www.naturespot.org.uk/species/andrena-dorsata			√	√	√		
51	<i>Andrena labialis</i>	Large meadow mining bee		http://www.bwars.com/index.php?q=bee/andrenidae/andrena-labialis			√				
52	<i>Andrena subopaca</i>	Impunctate mini mining bee		https://www.flickr.com/photos/63075200@N07/sets/72157639398441074/			√				√
53	<i>Andrena trimmerana</i>			http://www.bwars.com/index.php?q=bee/andrenidae/andrena-trimmerana			√				
54	<i>Bombus hortorum</i>	Small garden bumble bee		http://www.bwars.com/index.php?q=bee/apidae/bombus-hortorum			√				√
55	<i>Halictus tumulorum</i>	Common bronze furrow bee		https://www.flickr.com/photos/63075200@N07/sets/72157633240390817/			√	√			√
56	<i>Hylaeus annularis</i>			http://www.bwars.com/index.php?q=bee/colletidae/hylaeus-annularis			√	√			
57	<i>Hylaeus communis</i>	Common yellow face		https://www.flickr.com/photos/63075200@N07/sets/72157633244773926/			√		F		
58	<i>Lasioglossum lativentre</i>	Furry claspered furrow bee		https://www.flickr.com/photos/63075200@N07/sets/72157648811948039/			√				
59	<i>Lasioglossum leucopus</i>			http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-leucopus			√				
60	<i>Lasioglossum morio</i>	Brassy mining bee		http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-morio			√	√	FV		√
61	<i>Lasioglossum parvulum</i>			http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-parvulum			√				√

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62	<i>Lasioglossum rufitarse</i>			http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-rufitarse			√				
63	<i>Lasioglossum smeathmanellum</i>	Smeathman's furrow bee	A bee with a blue-green sheen over the thorax and abdomen	http://www.bwars.com/index.php?q=bee/halictidae/lasioglossum-rufitarse					√		
64	<i>Lasioglossum villosulum</i>	Shaggy mining bee or Sparse punctured furrow bee		https://www.flickr.com/photos/63075200@N07/sets/72157647904939601/			√	√	√		√
65	<i>Megachile ligniseca</i>	Wood carving leaf cutter		https://www.flickr.com/photos/63075200@N07/sets/72157633280819223/			√				
66	<i>Nomada striata</i>	A cleptoparasite of <i>Andrena wilkella</i> (source www.bwars.com)		https://www.flickr.com/photos/63075200@N07/sets/72157633464238547/			√	√			
67	<i>Sphecodes ephippius</i>	Bare saddled blood bee		https://www.flickr.com/photos/63075200@N07/sets/72157638183685295/			√	√			√
68	<i>Sphecodes geoffrellus</i>			http://www.wildebijen.nl/sphecodes_geoffrellus.html			√	√	F		
69	<i>Andrena fulvago</i>	Hawksbeard mining bee		https://www.flickr.com/photos/63075200@N07/sets/72157640845935815/				√			
70	<i>Andrena minutula</i>	Common mini mining bee		https://www.flickr.com/photos/63075200@N07/sets/72157639393479716/				√			√
71	<i>Andrena semilaevis</i>	Shiny margined mining bee		https://www.flickr.com/photos/63075200@N07/sets/72157639398512484/				√			
72	<i>Chelostoma campanularum</i>	Harebell carpenter bee		http://www.bwars.com/index.php?q=bee/megachilidae/chelostoma-campanularum				√	F		
73	<i>Colletes similis</i>	Bare saddled colletes		https://www.flickr.com/photos/63075200@N07/sets/72157636022066913/				√			√
74	<i>Hylaeus cornutus</i>	Spined hylaeus		https://www.flickr.com/photos/63075200@N07/sets/72157633239899979/				√			
75	<i>Hylaeus dilatatus</i>	Chalk Yellow Face		http://www.bwars.com/index.php?q=bee/colletidae/hylaeus-dilatatus					√		√
76	<i>Ceratina cyanea</i>	Blue carpenter bee		https://www.flickr.com/photos/63075200@N07/sets/72157633009584545/					√		

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77	<i>Colletes hederæ</i>	Ivy bee	Identified by Rupert Higgins	https://www.flickr.com/photos/63075200@N07/sets/72157636022153124/						√	
78	<i>Andrena fuscipes</i>	Heather mining bee	The cuckoo-bee <i>Nomada rufipes</i> Fabricius parasitises this species. (source www.bwars.com)	https://www.bwars.com/bee/andrenidae/andrena-fuscipes							√
79	<i>Andrena nigroaenea</i>	Buffish mining bee	<i>Nomada goodeniana</i> (Kirby) is a cleptoparasite on this species (source www.bwars.com)	https://www.bwars.com/bee/andrenidae/andrena-nigroaenea							√
80	<i>Halictus rubicundus</i>	Orange-legged Furrow-bee	Two cleptoparasitic bees attack this species: <i>Sphecodes gibbus</i> and <i>S. monilicornis</i> . It is also recorded as being attacked by the conopid fly <i>Zodion cinereum</i> (K G V Smith 1969). (Source www.bwars.com)	https://www.bwars.com/bee/halictidae/halictus-rubicundus							√
81	<i>Lasioglossum malachurum</i>	Sharp-collared Furrow-bee	L Packer (pers. comm.) has excavated the cleptoparasite, <i>Sphecodes monilicornis</i> (Kirby) and larvae of the oil beetle <i>Meloe proscarabaeus</i> Linnaeus from nest burrows of this bee on the Isle of Wight. (source www.bwars.com)	https://www.bwars.com/bee/halictidae/lasioglossum-malachurum							√
82	<i>Lasioglossum minutissimum</i>	Least Furrow-bee	The bee <i>Sphecodes longulus</i> von Hagens is a recorded cleptoparasite of <i>Lasioglossum minutissimum</i> . (source www.bwars.com)	https://www.bwars.com/bee/halictidae/lasioglossum-minutissimum							√
83	<i>Sphecodes gibbus</i>	Dark-winged Blood-bee	The larvae are cleptoparasitic on larger bees of the genera <i>Halictus</i> and <i>Lasioglossum</i> . An adult female <i>Sphecodes</i> bee enters the burrow of a host bee and searches out an almost completed cell of the host where it lays its egg. Some female <i>Sphecodes</i> are apparently unique among cleptoparasitic bees in that they remove (eat?) the host egg before laying their own (see, for example, Stephen, Bohart & Torchio, 1969). (source www.bwars.com)	https://www.bwars.com/bee/halictidae/sphecodes-gibbus							√
Totals of species recorded					12	43	50	41	24	1	44

Key: * - Surveys by David Gibbs; the full reports can be viewed on <http://www.troopers-hill.org.uk/info.htm>

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			<p>** - observations listed in the appendix to the 1999 management plan, see http://www.troopers-hill.org.uk/info.htm</p> <p>*** - Recorded by David Notton, Senior Curator, Hymenoptera, Natural History Museum, report on http://www.troopers-hill.org.uk/Flora/bees/DavidNotton2015.pdf</p> <p>¹ - observation by Rupert Higgins, Wessex Ecological Consultancy</p>								
			<p>Note:</p> <p>a) Where 2 names are recorded e.g. <i>Andrena fulva</i>/<i>Andrena armata</i>, the current name is listed first. We will have records in www.troopers-hill.org.uk/info.htm where the old name is used</p> <p>b) the sequence used in this spreadsheet is the sequence in which the bees were found and/or listed in survey documents</p>								