

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
4	Andrenidae			
5	Andrena - mining bees			
6	<i>A. alfkenella</i>	Perkins, 1914	(2) 4-6, 7-9	RDB , chalk grassland
7	<i>A. angustior</i>	(Kirby, 1802)	(1) 4-6	local , heathy woodland
8	<i>A. apicata</i>	Smith, 1847	(1) 3-4	scarce , light soils, visits Salix
9	<i>A. argentata</i>	Smith, 1844	(1) 7-9	scarce , ericaceous heath
10	<i>A. barbilabris</i>	(Kirby, 1802)	(1) 4-6	sandy soils
11	<i>A. bicolor</i>	Fabricius, 1775	(2) 3-5, 7-8	various habitats
12	<i>A. bimaculata</i>	(Kirby, 1802)	(2) 3-5, 7-8	scarce , light soils
13	<i>A. bucephala</i>	Stephens, 1846	(1) 4-5	scarce , scrub edge
14	<i>A. carantonica (=scotica)</i>	Pérez, 1902	(1) 3-7	various habitats
15	<i>A. chrysosceles</i>	(Kirby, 1802)	(1) 4-6	woodland clearings
16	<i>A. cineraria</i>	(Linnaeus, 1758)	(1) 4-5	meadow
17	<i>A. clarkella</i>	(Kirby, 1802)	(1) 2-4	woodland
18	<i>A. coitana</i>	(Kirby)	(1) 6-8	local , meadows & moorland edge
19	<i>A. congruens</i>	Schmiedeknecht, 1884	(2) 3-5, 7-8	scarce , scrub edges & bare ground
20	<i>A. denticulata</i>	(Kirby, 1802)	(1) 7-9	local , meadows & heath/moorland edge
21	<i>A. dorsata</i>	(Kirby, 1802)	(2) 4-5, 7-9	scrub edge
22	<i>A. falsifica</i>	Perkins, 1915	(1) 4-7	scarce , light soils, mainly heath & heathy woodland
23	<i>A. ferox</i>	Smith, 1847	(1) 4-6	RDB , open oak woodland
24	<i>A. flavipes</i>	Panzer, 1799	(2) 3-5, 7-9	various habitats
25	<i>A. florea</i>	Fabricius, 1793	(1) 5-7	RDB . Light soils, scrub edge
26	<i>A. floricola</i>	Eversmann, 1852	(1) 5	RDB, probably not native
27	<i>A. fucata</i>	Smith, 1847	(1) 3-6	woodland, scrub edge
28	<i>A. fulva</i>	(Muller, 1766)	(1) 3-6	scrub edge, grassland
29	<i>A. fulvago</i>	(Christ, 1791)	(1) 5-7	scarce, grassland
30	<i>A. fuscipes</i>	(Kirby, 1802)	(1) 7-9	local, ericaceous heaths & moors
31	<i>A. gravida</i>	Imhoff, 1832	(1) 4-5	RDB, on the edge of its range, no habitat preference
32	<i>A. haemorrhoea</i>	(Fabricius, 1781)	(1) 3-6	scrub & meadows
33	<i>A. hattorfiana</i>	(Fabricius, 1775)	(1) 6-8	RDB. Tall grassland and scrub edge
34	<i>A. helvola</i>	(Linnaeus, 1758)	(1) 3-6	woodland edge, meadow
35	<i>A. humilis</i>	Imhoff, 1832	(1) 4-6	scarce, grasslands

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
36	<i>A. labialis</i>	(Kirby, 1802)	(1) 5-7	local, grasslands
37	<i>A. labiata</i>	Fabricius, 1781	(1) 5-7	scarce, grasslands
38	<i>A. lapponica</i>	Zetterstedt, 1838	(1) 4-6	moorland & heathy woodland
39	<i>A. lathyri</i>	Alfken, 1899	(1) 5-6	RDB, grasslands & scrub edge
40	<i>A. lepida</i>	Schenck, 1861	(2) 4-5, 7-8	RDB, calcareous grasslands
41	<i>A. marginata</i>	Fabricius, 1776	(1) 7-9	scarce. Grasslands
42	<i>A. minutula</i>	(Kirby, 1802)	(2) 3-4, 5-8	various habitats
43	<i>A. minutuloides</i>	Perkins, 1914	(2) 4-5, 6-8	scarce, grassland on light soils
44	<i>A. nana</i>	(Kirby, 1802)	(2) 4-6, 7-8	RDB, doubtfully native
45	<i>A. nanula</i>	Nylander, 1848	(1) 7-8	RDB, doubtfully native
46	<i>A. nigriceps</i>	(Kirby, 1802)	(1) 6-8	scarce, tall grasslands
47	<i>A. nigroaenea</i>	(Kirby, 1802)	(2) 3-6, 7-8	various habitats
48	<i>A. nigrospina</i>	Thomson, 1872	(1) 5-6	RDB, various habitats
49	<i>A. nitida</i>	Müller, 1776	(1) 4-6	grasslands & scrub edge
50	<i>A. nitidiuscula</i>	Schenck, 1853	(1) 6-9	RDB, grassland
51	<i>A. niveata</i>	Friese, 1887	(1) 5-6	RDB, various habitats
52	<i>A. ovatula</i>	(Kirby, 1802)	(2) 3-5, 7-9	heath, grassland
53	<i>A. pillipes (s.l.)</i>	N/A	(2) 3-5, 7-9	heath, grassland
54	<i>A. pilipes (s.s.)</i>	Fabricius, 1781	(2) 4-6, 7-8	scarce, various habitats
55	<i>A. polita</i>	Smith, 1847	(1) 6-8	RDB, probably extinct, chalk grasslands
56	<i>A. praecox</i>	(Scopoli, 1763)	(1) 3-5	local, scrub & woodland
57	<i>A. proxima</i>	(Kirby, 1802)	(1) 5-7	RDB, grassland & scrub edge
58	<i>A. rosae</i>	Panzer, 1801	(1) 7-9	RDB, grasslands
59	<i>A. ruficrus</i>	Nylander, 1848	(1) 3-5	RDB, grassland, scrub edge
60	<i>A. semilaevis</i>	Perez, 1903	(1) 5-8	various habitats
61	<i>A. similis (= ocreata)</i>	Smith, 1849	(1) 4-6	scarce, grassland and scrub edge
62	<i>A. simillima</i>	Smith, 1851	(1) 7-9	RDB, grasslands
63	<i>A. strangulata</i>	Illiger	(1) 3-5	RDB, Woodland scrub
64	<i>A. subopaca</i>	Nylander, 1848	(2) 4-6, 7-8	woodland
65	<i>A. synadelpha</i>	Perkins, 1914	(1) 3-6	local, woodland scrub
66	<i>A. tarsata</i>	Nylander, 1848	(1) 6-8	local, heath woodland & moorlands
67	<i>A. thoracica</i>	(Fabricius, 1775)	(2) 3-6, 7-9	local, grassland & scrub edge

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
68	<i>A. tibialis</i>	(Kirby, 1802)	(1) 3-5	scarce, grassland & scrub edge
69	<i>A. tridentata</i>	(Kirby, 1802)	(1) 7-9	RDB, grasslands
70	<i>A. trimmerana</i>	(Kirby, 1802)	(2) 3-4, 7-8	scarce, grasslands & scrub
71	<i>A. vaga</i>	Panzer, 1799	(1) 3-5	RDB, doubtfully native,
72	<i>A. varians</i>	(Kirby, 1802)	(1) 3-6	scarce, scrub
73	<i>A. wilkella</i>	(Kirby, 1802)	(1) 5-7	grasslands
74				
75	Panurgus - mining bees			
76	<i>P. banksianus</i>	(Kirby, 1802)	(1)6-8	local, grasslands
77	<i>P. calcaratus</i>	(Scopoli, 1763)	(1)6-9	local, sandy grasslands
78				
79	Apidae			
80	Anthophora - solitary bees			
81	<i>A. bimaculata</i>	(Panzer, 1798)	(1)7-8	local
82	<i>A. furcata</i>	(Panzer, 1798)	(1)6-8	
83	<i>A. plumipes</i>	(Pallas, 1772)	(1)3-7	
84	<i>A. quadrimaculata</i>	(Panzer, 1798)	(1)6-8	scarce
85	<i>A. retusa</i>	(Linnaeus, 1758)	(1)4-7	RDB
86				
87	Apis - honey bees			
88	<i>A. mellifera</i>	Linnaeus, 1758		
89				
90	Bombus - social bumblebees			
91	<i>B. cryptarum</i>	Sparre Schneider, Fabricius 1775	(m)3-8	true status in Britain unknown
92	<i>B. cullumanus</i>	(Kirby, 1802)	late-flyer	extinct
93	<i>B. distinguendus</i>	Morawitz, 1869	(m)5-9	scarce, greatly declined, N. scotland & isles only
94	<i>B. hortorum</i>	(Linnaeus, 1761)	(m)4-10	
95	<i>B. humilis</i>	Illiger, 1806	(m)4-10	local, greatly declined, grassland
96	<i>B. hypnorum</i>	(Linnaeus, 1758)	(m)3-8	recent arrival, becoming widely distributed
97	<i>B. jonellus</i>	(Kirby, 1802)	(m)3-9	local, widely distributed, mainly on heath/moor
98	<i>B. lapidarius</i>	(Linnaeus, 1758)	(m)3-9	
99	<i>B. lucorum s.l.</i>	N/A	(m)3-8	

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
100	<i>B. lucorum s.s.</i>	(Linnaeus, 1761)	(m)3-8	
101	<i>B. magnus</i>	Vogt, 1911	(m)4-9	northern & western
102	<i>B. monticola</i>	Smith, 1849	(m)3-9	local, on mountains/moors, declined greatly
103	<i>B. muscorum</i>	(Linnaeus, 1758)	(m)5-9	local, grasslands, declined greatly
104	<i>B. pascuorum</i>	(Scopoli, 1763)	(m)4-11	
105	<i>B. pratorum</i>	(Linnaeus, 1761)	(m)3-9	
106	<i>B. ruderarius</i>	(Müller, 1776)	(m)4-8	local, grasslands, greatly declined
107	<i>B. ruderatus (1)</i>	(Fabricius, 1775)	(m)5-9	scarce, possibly wetlands, declined greatly
108	<i>B. ruderatus (2)</i>	(Fabricius, 1775)	(m)5-9	scarce, possibly wetlands, declined greatly
109	<i>B. soroeensis</i>	(Fabricius, 1777)	(m)5-9	local, grasslands
110	<i>B. subterraneus</i>	(Linnaeus, 1758)	(m)5-8	scarce, extinct
111	<i>B. sylvarum</i>	(Linnaeus, 1761)	(m)4-10	scarce, greatly declined, grasslands
112	<i>B. terrestris</i>	(Linnaeus, 1758)	(m)3-10	
113				
114	Bombus - cuckoo bumblebees			
115	<i>B. barbutellus</i>	(Kirby, 1802)	(-)4-8	
116	<i>B. bohemicus</i>	(Seidl, 1837)	(-)4-8	
117	<i>B. campestris (1)</i>	(Panzer, 1801)	(-)5-9	
118	<i>B. campestris (2)</i>	(Panzer, 1801)	(-)5-9	
119	<i>B. rupestris</i>	(Fabricius, 1793)	(-)4-9	scarce, increasing in distribution
120	<i>B. sylvestris</i>	(Lepelletier, 1832)	(-)4-8	
121	<i>B. vestalis</i>	(Geoffroy, 1785)	(-)4-8	
122				
123	Ceratina - carpenter bees			
124	<i>C. cyanea</i>	(Kirby, 1802)	(1)5-9	RDB
125				
126	Epeolus - cuckoo bees			
127	<i>E. cruciger</i>	(Panzer, 1799)	(1)6-9	local
128	<i>E. variegatus</i>	(Linnaeus, 1758)	(1)6-9	
129				
130	Eucera - mining bees			
131	<i>E. longicornis</i>	(Linnaeus, 1758)	(1)5-7	scarce

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
132	<i>E. nigrescens</i>	Pérez, 1879	(1)5-6	RDB
133				
134	Melecta - cuckoo bees			
135	<i>M. albifrons</i>	(Förster, 1771)	(1)4-6	
136	<i>M. luctuosa</i>	(Scopoli, 1770)	(1)4-7	RDB
137				
138	Nomada - cuckoo bees			
139	<i>N. argentata</i>	Herrich-Schäffer, 1839	(1)5-7	RDB, grasslands
140	<i>N. armata</i>	Herrich-Schäffer, 1839	(1)6-8	RDB, grasslands, Wiltshire
141	<i>N. baccata</i>	Smith F., 1844	(1)7-9	scarce, heaths
142	<i>N. castellana</i>	Dusmet, 1913	(1)5-6	Channel Islands only
143	<i>N. conjungens</i>	Herrich-Schäffer, 1839	(1)5-6	RDB
144	<i>N. errans</i>	Lepeletier, 1841	(1)7-8	RDB, coast of Isle of Purbeck, Dorset
145	<i>N. fabriciana</i>	(Linnaeus, 1767)	(2)3-8	
146	<i>N. ferruginata</i>	(Linnaeus, 1767)	(1)4-5	RDB, scrub
147	<i>N. flava</i>	Panzer, 1798	(1)4-6	
148	<i>N. flavoguttata</i>	(Kirby, 1802)	(1)3-8	
149	<i>N. flavopicta</i>	(Kirby, 1802)	(1)6-9	scarce, grasslands
150	<i>N. fucata</i>	Panzer, 1798	(2)4-9	scarce, increase in distribution
151	<i>N. fulvicornis</i>	Fabricius, 1793	(2)4-8	RDB
152	<i>N. fuscicornis</i>	Nylander, 1848	(1)7-9	Channel Islands only
153	<i>N. goodeniana</i>	(Kirby, 1802)	(2)4-8	
154	<i>N. guttulata</i>	Schenck, 1861	(1)5-6	RDB, grasslands
155	<i>N. hirtipes</i>	Pérez, 1884	(1)4-6	RDB, scrub edge
156	<i>N. integra</i>	Brullé, 1832	(1)4-6	scarce, grasslands
157	<i>N. lathburiana</i>	(Kirby, 1802)	(1)4-6	RDB, increasing distribution
158	<i>N. leucopthalma</i>	(Kirby, 1802)	(1)3-5	woodland edge
159	<i>N. marshamella</i>	(Kirby, 1802)	(2)3-9	
160	<i>N. obtusifrons</i>	Nylander, 1848	(1)7-8	scarce
161	<i>N. panzeri</i>	Lepeletier, 1841	(1)4-7	
162	<i>N. roberjeotiana</i>	Panzer, 1799	(1)6-9	RDB, heathlands
163	<i>N. ruficornis</i>	(Linnaeus, 1758)	(1)4-6	

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
164	<i>N. rufipes</i>	Fabricius, 1793	(1)4-6	
165	<i>N. rufipes</i>	Fabricius, 1793	(1)6-9	(alternative female colour form
166	<i>N. sexfasciata</i>	Panzer, 1799	(1)5-6	RDB, grasslands
167	<i>N. sheppardana</i>	(Kirby, 1802)	(1)5-7	
168	<i>N. signata</i>	Jurine, 1807	(1)4-5	RDB
169	<i>N. similis</i>	Morawitz, 1872	(1)6-9	Channel Islands only
170	<i>N. striata</i>	Fabricius, 1793	(1)5-7	local, grasslands
171				
172	Xylocopa - carpenter bees			
173	<i>X. violacea</i>	(Linnaeus, 1758)		occasional visitor from Continent (violet wings)
174				
175	Colletidae			
176	Colletes - mining bees			
177	<i>C. cunicularius</i>	(Linnaeus, 1761)	(1)4-6	RDB. coastal dunes, NW Eng., NW & SW Wales
178	<i>C. daviesanus</i>	Smith, 1846	(1)6-9	gardens & fields, nests in soil, walls, soft cliffs
179	<i>C. floralis</i>	Eversmann, 1852	(1)6-8	RDB. mainly coasts SW Scotland, w. Isles
180	<i>C. fodiens</i>	Geoffroy, 1785	(1)6-9	local; sandy ground; England & Wales, S, Scotland
181	<i>C. halophilus</i>	Verhoeff, 1944	(1)8-10	SCARCE. salt marshes SE and S England
182	<i>C. hederæ</i>	Schmidt&Westrich, 1993	(1)9-11	CI. Purbeck to E. Devon
183	<i>C. marginatus</i>	Smith, 1846	(1)6-8	SCARCE. coast S. England + inland E. Anglia
184	<i>C. similis</i>	Schenck, 1853	(1)6-9	coast & inland, more soil tolerant
185	<i>C. succinctus</i>	(Linnaeus, 1758)	(1)7-10	local, heathland/moorland, nests in ground
186				
187	Hylaeus - solitary bees			
188	<i>H. brevicornis</i>	Nylander, 1852	(1)5-9	nests in pithy stems/dead wood
189	<i>H. communis</i>	Nylander, 1852	(1)5-9	holes in dead wood
190	<i>H. confusus</i>	Nylander, 1852	(1)5-9	holes in dead wood, ground & masonry
191	<i>H. cornutus</i>	Curtis, 1831	(1)5-9	SCARCE. nests hollow stems
192	<i>H. dilatatus (= annularis)</i>	(Kirby, 1802)	(1)5-9	stem-nester
193	<i>H. hyalinatus</i>	Smith, 1842	(1)5-9	sandy soils, cavities
194	<i>H. incongruus (= gibbus)</i>	Förster, 1871	(1)6-8	RDB, in dead wood, dry stems, only south-east
195	<i>H. pectoralis</i>	Förster, 1871	(1)6-9	LOCAL. in old Lipara galls in Phragmites/stems

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
196	<i>H. pictipes</i>	Nylander, 1852	(1)6-8	RDB, in holes in dead wood/stems
197	<i>H. punctulatissimus</i>	Smith, 1852	-1	probably not native
198	<i>H. signatus</i>	(Panzer, 1798)	(1)6-9	scarce, nests in light soil
199	<i>H. spilotus</i>	Förster, 1871	(1)7-8	RDB, coastal, In sand
200				
201	Dufourea - mining bees			
202	<i>D. halictula</i>	(Nylander, 1852)	(1)7-8)	RDB, sandy grasslands
203	<i>D. minuta</i>	Lepeletier, 1841	(1)6-7	RDB, sandy grasslands
204				
205	Halictus - mining bees			
206	<i>H. confusus</i>	Smith, 1853	(1)4-9	RDB, dry heathland
207	<i>H. eurygnathus</i>	Blüthgen, 1931	(1)6-9	RDB, probably extinct
208	<i>H. quadricinctus</i>	(Fabricius)	(1)4-9	Channel Islands only
209	<i>H. rubicundus</i>	(Christ, 1791)	(1)4-9	grasslands
210	<i>H. scabiosae</i>	(Rossius, 1790)	(1)4-9	Channel Islands only
211	<i>H. subauratus</i>	(Rossius, 1792)	(1)6	RDB, probably extinct
212	<i>H. tumulorum</i>	(Linnaeus, 1758)	(1)4-10	various habitats
213				
214	Lasioglossum - mining bees			
215	<i>L. albipes</i>	(Fabricius, 1781)	(1)4-10	various habitats
216	<i>L. angusticeps</i>	(Perkins, 1895)	(1)5-8	RDB, coastal grassland
217	<i>L. brevicorne</i>	(Schenck, 1869)	(1)5-9	RDB, dry sandy grassland
218	<i>L. calceatum</i>	(Scopoli, 1763)	(1)4-10	various habitats
219	<i>L. cupromicans</i>	(Pérez, 1903)	(1)4-10	various habitats
220	<i>L. fratellum</i>	(Pérez, 1903)	(1)4-9	various habitats
221	<i>L. fulvicorne</i>	(Kirby, 1802)	(1)4-10	calcareous grassland
222	<i>L. laeva</i>	(Kirby 1802)		Chanel Isles and Suffolk, probably extinct
223	<i>L. laevigatum</i>	(Kirby, 1802),	(1)4-9	Local, calcareous grassland
224	<i>L. laticeps</i>	(Schenck, 1869)	(1)4-9	RDB, coastal grassland
225	<i>L. lativentre</i>	(Schenck, 1853)	(1)3-10	Local, grassland & heathland
226	<i>L. leucopus</i>	(Kirby, 1802)	(1)4-9	various habitats
227	<i>L. leucozonium</i>	(Schrank, 1781)	(1)4-10	various habitats

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
228	<i>L. limbellum</i>	(Morawitz, 1876)	(1)4-9	Channel Islands only
229	<i>L. malachurum</i>	(Kirby, 1802)	(1)3-10	various habitats
230	<i>L. minutissimum</i>	(Kirby, 1802)	(1)5-8	various habitats
231	<i>L. morio</i>	(Fabricius, 1793)	(1)3-10	various habitats
232	<i>L. nitidiusculum</i>	(Kirby, 1802)	(1)4-9	local, various habitats
233	<i>L. parvulum</i>	(Schenck, 1853)	(1)3-9	various habitats
234	<i>L. pauperatum</i>	(Brullé, 1832)	(1)4-9	RDB, grassland
235	<i>L. pauxillum</i>	(Schenck, 1853)	(1)4-9	scarce, but vast increase in range; various habitats
236	<i>L. prasinum</i>	(Smith, 1848)	(1)4-10	local, heathland
237	<i>L. punctatissimum</i>	(Schenck, 1853)	(1)4-10	sandy soils
238	<i>L. puncticolle</i>	(Morawitz, 1872)	(1)5-9	scarce, grassland or woodland on clay
239	<i>L. quadrinotatum</i>	(Kirby, 1802)	(1)4-9	scarce, various habitats
240	<i>L. rufitarse</i>	(Zetterstedt, 1838)	(1)4-9	various habitats
241	<i>L. semilucens</i>	Alfken, 1914	(1)7-8	RDB, various habitats
242	<i>L. sexnotatum</i>	(Kirby, 1802)	(1)4-9	RDB, sandy grassland
243	<i>L. sexstrigatum</i>	(Schenck, 1870)		new to Britain
244	<i>L. smeathmanellum</i>	(Kirby, 1802)	(1)4-10	various habitats
245	<i>L. villosulum</i>	(Kirby, 1802)	(1)3-10	various habitats
246	<i>L. xanthopus</i>	(Kirby)	(1)4-9	scarce, grasslands
247	<i>L. zonulum</i>	(Smith, F., 1848)	(1)4-9	local, grasslands & woodlands
248				
249	Rophites - mining bees			
250	<i>R. quinquespinosus</i>	Spinola, 1808	(1)8	RDB, doubtfully native
251				
252	Sphecodes - cuckoo bees			
253	<i>S. crassus</i>	Thomson, 1870	(2)5-9	scarce, various habitats
254	<i>S. ephippius</i>	(Linnaeus, 1767)	(2)4-9	various habitats
255	<i>S. ferruginatus</i>	von Hagens, 1882	(2)5-9	scarce, grasslands
256	<i>S. geoffrellus</i>	(Kirby, 1802)	(2)4-9	various habitats
257	<i>S. gibbus</i>	(Linnaeus, 1758)	(2)5-9	various habitats
258	<i>S. hyalinatus</i>	von Hagens, 1882	(2)5-9	local, grasslands
259	<i>S. longulus</i>	von Hagens, 1882	(2)5-8	scarce, sandy soils

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
260	<i>S. marginatus</i>	von Hagens, 1882	(2)4-8	Channel Islands only
261	<i>S. miniatus</i>	von Hagens, 1882	(2)5-9	scarce, sandy grassland
262	<i>S. monilicornis</i>	(Kirby, 1802)	(2)4-9	various habitats
263	<i>S. niger</i>	von Hagens, 1874	(2)4-10	RDB, various habitats
264	<i>S. pellucidus</i>	Smith, 1845	(2)4-8	sandy soils
265	<i>S. puncticeps</i>	Thomson, 1870	(2)5-9	local, various habitats
266	<i>S. reticulatus</i>	Thomson, 1870	(2)5-10	scarce, light soils
267	<i>S. rubicundus</i>	von Hagens, 1875	(1)5-7	scarce, grasslands
268	<i>S. scabricollis</i>	Wesmael, 1835	(2)6-9	RDB, grasslands & woodlands
269	<i>S. spinulosus</i>	von Hagens, 1875	(1)5-7	RDB, grasslands
270				
271	Megachilidae			
272	Anthidium - carder bees			
273	<i>A. manicatum</i>	(Linnaeus, 1758)	(1)5-8	locally widespread
274				
275	Chelastoma - solitary bees			
276	<i>C. campanularum</i>	(Kirby, 1802)	(1)6-8	locally common throughout S. England
277	<i>C. florissomne</i>	(Linnaeus, 1758)	(1)5-7	local, woodland edge
278				
279	Coelioxys - cuckoo bees			
280	<i>C. afra</i>	Lepeletier, 1841	(1)8	Guernsey
281	<i>C. conoidea</i>	(Illiger, 1806)	(1)6-8	Guernsey only
282	<i>C. elongata</i>	Lepeletier, 1841	(1)6-8	
283	<i>C. inermis</i>	(Kirby, 1802)	(1)6-9	
284	<i>C. mandibularis</i>	Nylander, 1848	(1)6-8	RDB, Coast dunes, NW/SW England, S. Wales
285	<i>C. quadridentata</i>	(Linnaeus, 1758)	(1)6-8	RDB,
286	<i>C. rufescens</i>	Lepeletier&Serville, 1825	(1)6-8	local
287				
288	Heriades - solitary bees			
289	<i>H. truncorum</i>	(Linnaeus 1758	(1)6-9	RDB, woodland edge
290				
291	Hoplitis - solitary bees			

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
292	<i>H. claviventris</i>	(Thomson, 1872)	(1)5-8	scrub edge
293				
294	Megachile - leaf-cutter bees			
295	<i>M. centuncularis</i>	(Linnaeus, 1758)	(1)6-8	local, dune and heath
296	<i>M. circumcincta</i>	(Kirby, 1802)	(1)5-8	scarce, northern
297	<i>M. dorsalis</i>	Pérez, 1879	(1)6-8	scarce, sandy, coastal sites
298	<i>M. ligniseca</i>	(Kirby, 1802)	(1)6-8	
299	<i>M. maritima</i>	(Kirby, 1802)	(1)6-8	local, dune and heath
300	<i>M. versicolor</i>	Smith, 1844	(1)5-9	
301	<i>M. willoughbiella</i>	(Kirby, 1802)	(1)6-8	
302				
303	Osmia - mason bees			
304	<i>O. aurlenta</i>	(Panzer, 1799)	(1)4-8	scarce, in empty snail shells
305	<i>O. bicolor</i>	(Schrank, 1781)	(1)3-7	scarce, in empty snail shells
306	<i>O. bicornis (=rufa)</i>	(Linnaeus, 1758)	(1)3-7	
307	<i>O. caerulescens</i>	(Linnaeus, 1758)	(1)4-8	
308	<i>O. inermis</i>	(Zetterstedt, 1838)	(1)5-7	RDB, Scottish Highlands
309	<i>O. leaiana</i>	(Kirby, 1802)	(1)5-9	
310	<i>O. parietina</i>	Curtis, 1828	(1)5-7	RDB
311	<i>O. pilicornis</i>	Smith, 1846	(1)4-6	RDB
312	<i>O. spinulosa (=Hoplitis spinulosa)</i>	(Kirby)	(1)5-9	grassland
313	<i>O. uncinata</i>	Gerstäker, 1869	(1)5-6	RDB, open pinewood, Highlands
314	<i>O. xanthomelana</i>	(Kirby, 1802)	(1)4-7	RDB
315				
316	Stelis - cuckoo bees			
317	<i>S. breviscula</i>	(Nylander, 1848)	(1)7-8	RDB
318	<i>S. ornatula</i>	(Klug, 1807)	(1)5-8	RDB
319	<i>S. phaeoptera</i>	(Kirby, 1802)	(1)5-9	RDB
320	<i>S. punctulatissima</i>	(Kirby, 1802)	(1)6-8	scarce
321				
322	Melittidae			
323	Dasypoda - mining bees			

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
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324	<i>D. hirtipes</i>	(Fabricius, 1793)	(1)6-8	scarce, heath & dune
325				
326	Macropis - mining bees			
327	<i>M. europaea</i>	Warncke, 1973	(1)7-8	scarce, wetlands
328				
329	Melitta - mining bees			
330	<i>M. dimidiata</i>	Morawitz, 1876	(1)6-7	RDB, calcareous grass, Wilts
331	<i>M. haemorrhoidalis</i>	(Fabricius, 1775)	(1)7-8	local, grasslands
332	<i>M. leporina</i>	(Panzer, 1799)	(1)6-8	local, grasslands
333	<i>M. tricincta</i>	Kirby, 1802	(1)7-9	scarce, grasslands
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483				generations

	A	B	C	D
1	SPECIES	AUTHORITY	FLYING	NOTES
2				
3				
484			LEGEND	multiple
485			(m)	

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
4	Andrenidae					
5	Andrena - mining bees					
6	<i>A. alfkenella</i>	umbellifer	7-8	black	black	black+white bands
7	<i>A. angustior</i>		10-11	pale brown	tawny	black+tawny
8	<i>A. apicata</i>	sallow	12-15	pale+d'k brown	brown	brown
9	<i>A. argentata</i>	heathers	8-11	black	tawny	black+white bands
10	<i>A. barbilabris</i>		9-12	brown	tawny	black+cream bands
11	<i>A. bicolor</i>		9-11	black	tawny	black
12	<i>A. bimaculata</i>		12-14	brown	brown	brown+red-brown
13	<i>A. bucephala</i>		11-13	brown	brown	brown
14	<i>A. carantonica (=scotica)</i>		11-15	brown	brown	brown
15	<i>A. chrysoceles</i>	umbellifer	8-11	brown	brown	black+white bands
16	<i>A. cineraria</i>		12-15	blue-black	grey+black	Blue-black
17	<i>A. clarkella</i>	sallow	11-14	black	tawny	black
18	<i>A. coitana</i>		7-10	black	black	black+white bands
19	<i>A. congruens</i>		9-10	brown	tawny	black+white bands
20	<i>A. denticulata</i>	composites	10-12	brown	brown+black	brown+paler bands
21	<i>A. dorsata</i>		9-11	brown	tawny	black+white bands
22	<i>A. falsifica</i>		6-7	black	black	black+white bands
23	<i>A. ferox</i>	oak	10-13	brown	brown	brown+red-brown
24	<i>A. flavipes</i>		10-13	brown	brown	black+cream bands
25	<i>A. florea</i>	white bryony	12-13	brown	brown	brown+red-brown
26	<i>A. floricola</i>		7-8	black	black	black+white bands
27	<i>A. fucata</i>		10-13	brown	brown	brown
28	<i>A. fulva</i>		11-15	black	tawny+black	tawny
29	<i>A. fulvago</i>		9-11	brown	brown	brown+Gold tip
30	<i>A. fuscipes</i>	heathers	10-12	brown	brown	brown+paler bands
31	<i>A. gravida</i>		12-13	brown	brown	brown+cream bands
32	<i>A. haemorrhoea</i>		11-13	brown	Fox-red	brown+tawny tip
33	<i>A. hattorfiana</i>	field scabious	15-17	brown	brown	brown+/-red-brown
34	<i>A. helvola</i>		10-12	brown	brown	brown+paler bands
35	<i>A. humilis</i>	composites	11-12	brown	brown	brown+Gold tip

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
36	<i>A. labialis</i>	legumes	11-14	brown	brown	brown
37	<i>A. labiata</i>	speedwells	9-10	brown	brown	black+red
38	<i>A. lapponica</i>	bilberry	11-12	black	brown	brown+black
39	<i>A. lathyri</i>	legumes	12-13	brown	brown	brown+cream bands
40	<i>A. lepida</i>		9-11	brown	brown	brown+cream bands
41	<i>A. marginata</i>	Small scabious	9-12	brown	brown	brown+/-red-brown
42	<i>A. minutula</i>		6-8	black	black	black+white bands
43	<i>A. minutuloides</i>	umbellifers	6-8	black	black	black
44	<i>A. nana</i>		7-8	black	black	black+white bands
45	<i>A. nanula</i>		6-7	black	black	black+white bands
46	<i>A. nigriceps</i>	composites	10-13	black	brown	brown+paler bands
47	<i>A. nigroaenea</i>		12-15	brown	tawny	brown
48	<i>A. nigrospina</i>		11-15	black	black	black
49	<i>A. nitida</i>		12-16	black	tawny	black+white bands
50	<i>A. nitidiuscula</i>	umbellifers	8-9	black	black	black+white bands
51	<i>A. niveata</i>	crucifers	6-8	black	black	black+white bands
52	<i>A. ovatula</i>		8-12	brown	tawny?	black+white bands
53	<i>A. pillipes (s.l.)</i>		8-12	brown	tawny?	black+white bands
54	<i>A. pilipes (s.s.)</i>		11-15	black	black	black
55	<i>A. polita</i>		13-14	brown	brown	black+orange tip
56	<i>A. praecox</i>	sallow	7-12	brown	brown	brown+paler bands
57	<i>A. proxima</i>	umbellifers	8-10	black	black	black+white bands
58	<i>A. rosae</i>	umbellifers	11-14	brown	brown	brown+red-brown
59	<i>A. ruficrus</i>		10-11	brown	tawny	brown
60	<i>A. semilaevis</i>		6-8	black	black	black+white bands
61	<i>A. similis (= ocreata)</i>		10-12	brown	tawny	black+white bands
62	<i>A. simillima</i>		10-12	brown	brown	brown+paler bands
63	<i>A. strangulata</i>		12-13			
64	<i>A. subopaca</i>		6-8	black	black	black+white bands
65	<i>A. synadelpha</i>		9-12	brown	brown	brown
66	<i>A. tarsata</i>	cinquefoil	7-10	black	black	black
67	<i>A. thoracica</i>		12-16	black	tawny	black

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
68	<i>A. tibialis</i>		12-15	brown	brown	brown
69	<i>A. tridentata</i>		10-11	brown	brown	brown+paler bands
70	<i>A. trimmerana</i>		12-15	brown	brown	brown+red-brown
71	<i>A. vaga</i>	sallow	13-16	black	Grey	blue-black
72	<i>A. varians</i>	blackthorn	11-13	black	tawny	black+brown
73	<i>A. wilkella</i>		10-12	brown	brown	black+white bands
74						
75	Panurgus - mining bees					
76	<i>P. banksianus</i>	composites	10-12	black	black	black+brown tip
77	<i>P. calcaratus</i>	composites	7-9	black	black	black+brown tip
78						
79	Apidae					
80	Anthophora - solitary bees					
81	<i>A. bimaculata</i>		8-9	black	brown	black+cream bands
82	<i>A. furcata</i>		10.5-12	brown	brown	brown+orange tip
83	<i>A. plumipes</i>		14-16	black	black	black
84	<i>A. quadrimaculata</i>	labiates	11	black	brown	black+grey bands
85	<i>A. retusa</i>		13-14	black	black	black
86						
87	Apis - honey bees					
88	<i>A. mellifera</i>		13-17			
89						
90	Bombus - social bumblebees		(QW)			
91	<i>B. cryptarum</i>		9-16	black	black+yellow	black+yellow+white tail
92	<i>B. cullumanus</i>		mid-size	black	grey-yellow+black	grey-yellow+red
93	<i>B. distinguendus</i>		11-23	yellow	black+yellow	yellow
94	<i>B. hortorum</i>		11-20	black	black+yellow	black+yellow+white tail
95	<i>B. humilis</i>		9-18	tawny	tawny	tawny
96	<i>B. hypnorum</i>		8-18	black	brown	black+white tail
97	<i>B. jonellus</i>		10-17	black+yellow	black+yellow	black+yellow+white tail
98	<i>B. lapidarius</i>		11-22	black	black+yellow	black+orange tail
99	<i>B. lucorum s.l.</i>		9-20	black	black+yellow	black+yellow+white tail

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
100	<i>B. lucorum s.s.</i>		9-20	black	black+yellow	black+yellow+white tail
101	<i>B. magnus</i>		11-22	black	black+yellow	black+yellow+white tail
102	<i>B. monticola</i>		9-18	black	black+yellow	black+orange
103	<i>B. muscorum</i>		10-19	tawny	tawny	tawny
104	<i>B. pascurorum</i>		9-18	tawny	tawny	tawny, often black patches
105	<i>B. pratorum</i>		10-17	black	black+yellow	black+yellow+orange tail
106	<i>B. ruderarius</i>		9-18	black	black	black+orange tail
107	<i>B. ruderatus (1)</i>		11-23	black	black+yellow	black+yellow+white tail
108	<i>B. ruderatus (2)</i>		11-23	black	black	black
109	<i>B. soroeensis</i>		10-17	black	black+yellow	black+yellow+white tail
110	<i>B. subterraneus</i>		12-18	black	black+yellow	black+yellow+white tail
111	<i>B. sylvarum</i>		10-18	grey	grey+black	black+grey+orange tail
112	<i>B. terrestris</i>		11-22	black	black+yellow	black+yellow+white tail
113						
114	Bombus - cuckoo bumblebees		(F)			
115	<i>B. barbutellus</i>		17-19	black	black+yellow	black+yellow+white tail
116	<i>B. bohemicus</i>		18-25	black	black+yellow	black+yellow+white tail
117	<i>B. campestris (1)</i>		17-19	black+yellow	black+yellow	black+yellow tail
118	<i>B. campestris (2)</i>		17-19	black	black	black+yellow tail
119	<i>B. rupestris</i>		18-23	black	black	black+red tail
120	<i>B. sylvestris</i>		14-16	black	black+yellow	black+yellow+small red tip
121	<i>B. vestalis</i>		20-22	black	black+yellow	black+yellow+white tail
122						
123	Ceratina - carpenter bees					
124	<i>C. cyanea</i>		6-7	metallic blue	metallic blue	metallic blue
125						
126	Epeolus - cuckoo bees					
127	<i>E. cruciger</i>		5.5-7.5	black	black+yellow+orange	black+cream spots
128	<i>E. variegatus</i>		7-9	B+W spots	B+Br spots	black+cream spots
129						
130	Eucera - mining bees					
131	<i>E. longicornis</i>	legumes	14-16	brown	tawny	black+grey bands

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
132	<i>E. nigrescens</i>	legumes	13-15	brown	tawny	black+grey bands
133						
134	Melecta - cuckoo bees					
135	<i>M. albifrons</i>		14-16	grey	black+grey	black+grey+white spots
136	<i>M. luctuosa</i>		14-16	Bl/grey	black+grey	black+grey+white spots
137						
138	Nomada - cuckoo bees					
139	<i>N. argentata</i>		8-10	black	black+red spots	red+black
140	<i>N. armata</i>		9-14	black	black+red spots	orange+yellow spots
141	<i>N. baccata</i>		6-9	brown	brown+orange	orange+cream
142	<i>N. castellana</i>		5-9	black	black+red	black+red+yellow spots
143	<i>N. conjungens</i>		7-10	black	black+red	black+red+yellow spots
144	<i>N. errans</i>		6-8	black	black+white spot	dark red+white spots
145	<i>N. fabriciana</i>		7-11	black	black	red+black+yellow spots
146	<i>N. ferruginata</i>		8-10	black	black	red+yellow spots
147	<i>N. flava</i>		10-12	brown	brown+orange	brown+orange+yellow
148	<i>N. flavoguttata</i>		5-9	black	brown+red	black+red+yellow spots
149	<i>N. flavopicta</i>		8-11	black	black+yellow	black+yellow
150	<i>N. fucata</i>		9-12	black	black+yellow	black+orange+yellow
151	<i>N. fulvicornis</i>		9-14	black	black+yellow	black+yellow
152	<i>N. fuscicornis</i>		6-8	black	black	black+tawny bands
153	<i>N. goodeniana</i>		9-13	black	black+yellow	black+yellow
154	<i>N. guttulata</i>		7-9	brown	brown+red	black+red+yellow spots
155	<i>N. hirtipes</i>		9-12	black	black+red	black+orange+yellow spots
156	<i>N. integra</i>		8-9	black	black+red	black+red
157	<i>N. lathburiana</i>		9-12	brown	brown+yellow	black+orange+yellow
158	<i>N. leucothalma</i>		9-13	black	black+orange	brown+orange+yellow
159	<i>N. marshamella</i>		8-13	black	black+yellow	black+yellow
160	<i>N. obtusifrons</i>		6-9	black	black	black+red+yellow spots
161	<i>N. panzeri</i>		7-12	brown	brown+orange	brown+orange+yellow
162	<i>N. roberjeotiana</i>		6-9	black	black+orange	black+orange+yellow spots
163	<i>N. ruficornis</i>		8-12	brown	brown+red	brown+orange+yellow

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
164	<i>N. rufipes</i>		8-10	black	black+yellow	black+yellow
165	<i>N. rufipes</i>		8-10	black	black+yellow	black+orange+yellow
166	<i>N. sexfasciata</i>		11-15	black	black+yellow	black+yellow
167	<i>N. sheppardana</i>		1--12	black	black+red	black+red
168	<i>N. signata</i>		7-12	brown	brown+orange+yellow	brown+orange+yellow
169	<i>N. similis</i>		8-9	black	black	black+extensive tawny
170	<i>N. striata</i>		8-11	brown+orange	brown+orange	brown+orange+yellow spots
171						
172	Xylocopa - carpenter bees					
173	<i>X. violacea</i>		20-23	black	black	black
174						
175	Colletidae					
176	Colletes - mining bees					
177	<i>C. cunicularius</i>	salix	12-15	brown	brown	brown
178	<i>C. daviesanus</i>		9-11	gold	Gold	black+white bands
179	<i>C. floralis</i>		8-11	gold	gold	black + white bands
180	<i>C. fodiens</i>	composites	9-10	gold	gold	black+cream bands
181	<i>C. halophilus</i>	sea aster	11-14	gold	gold	black+cream bands
182	<i>C. hederæ</i>	ivy	11-18	gold	gold	black+ginger bands
183	<i>C. marginatus</i>		8-10	gold	gold	black+white bands
184	<i>C. similis</i>		8-12	gold	Gold	black+white bands
185	<i>C. succinctus</i>	heathers	10-13	gold	Gold	black+white bands
186						
187	Hylaeus - solitary bees					
188	<i>H. brevicornis</i>		5-6	black+cream	black+cream	black
189	<i>H. communis</i>		5-7	black+Yellow	black+ yellow	black
190	<i>H. confusus</i>		6-8	black+Yellow	black+yellow	black
191	<i>H. cornutus</i>		6-8	black	black+yellow	black
192	<i>H. dilatatus (= annularis)</i>		5-7	black+yellow	black+yellow	black
193	<i>H. hyalinatus</i>		4-7	black+cream	black+cream	black
194	<i>H. incongruus (= gibbus)</i>		6-8	black+Yellow	black+yellow	black
195	<i>H. pectoralis</i>		6-8	black+yellow	black+yellow	black

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
196	<i>H. pictipes</i>		4-5	black+cream	black+cream	black
197	<i>H. punctulatissimus</i>		7-8	black+Yellow	black+yellow	black
198	<i>H. signatus</i>	reseda spp	6-8	black+cream	black+cream	black
199	<i>H. spilotus</i>		5-7	black+yellow	black+yellow	black
200						
201	Dufourea - mining bees					
202	<i>D. halictula</i>		4-5	black	black	black
203	<i>D. minuta</i>		6	black	black	black
204						
205	Halictus - mining bees					
206	<i>H. confusus</i>		7-8	bronzy green	bronzy green	bronzy green+white bands
207	<i>H. eurygnathus</i>		10-12	brown	brown	brown+white bands
208	<i>H. quadricinctus</i>		12-15	brown	brown	brown+white bands
209	<i>H. rubicundus</i>		9-11	brown	tawny	black+white bands
210	<i>H. scabiosae</i>		12-15	brown	brown	black+white bands
211	<i>H. subauratus</i>		8-9	Bronzy green	Bronzy green	bronzy green+white bands
212	<i>H. tumulorum</i>		6-7	Bronzy Green	Bronzy Green	bronzy green+white bands
213						
214	Lasioglossum - mining bees					
215	<i>L. albipes</i>		7-9	brown	brown	brown+yellow-brown
216	<i>L. angusticeps</i>		6-7	brown	brown	brown+white bands
217	<i>L. brevicorne</i>	composites	6-7	brown	brown	brown
218	<i>L. calceatum</i>		8-10	brown	brown	brown+yellow-brown
219	<i>L. cupromicans</i>		6-7	metallic green	metallic green	black+white bands
220	<i>L. fratellum</i>		6-9	brown	brown	brown+white bands
221	<i>L. fulvicorne</i>		6-8	brown	brown	brown+white bands
222	<i>L. laeva</i>					
223	<i>L. laevigatum</i>		8-10	Tawny	tawny	brown+cream bands
224	<i>L. laticeps</i>		7-8	brown	brown	brown+yellow-brown
225	<i>L. lativentre</i>		7-8	brown	brown	black+white bands
226	<i>L. leucopus</i>		5-6	metallic green	metallic green	black
227	<i>L. leucozonium</i>		8-10	black	black	black+white bands

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
228	<i>L. limbellum</i>		5-7	brown	brown	brown+yellow-brown
229	<i>L. malachurum</i>		7-10	brown	brown	brown+yellow-brown
230	<i>L. minutissimum</i>		5-6	brown	brown	brown
231	<i>L. morio</i>		5-6	metallic green	metallic green	black
232	<i>L. nitidiusculum</i>		6-7	brown	brown	brown
233	<i>L. parvulum</i>		6-7	brown	brown	brown
234	<i>L. pauperatum</i>		5-6	brown	brown	brown
235	<i>L. pauxillum</i>		6-7	brown	brown	brown
236	<i>L. prasinum</i>		7-10	dark green	dark green	brown
237	<i>L. punctatissimum</i>		6-7	brown	brown	brown
238	<i>L. puncticolle</i>		6-8	brown	brown	brown
239	<i>L. quadrinotatum</i>		7-8	brown	brown	black+white bands
240	<i>L. rufitarse</i>		7-8	brown	brown	brown
241	<i>L. semilucens</i>		5	brown	brown	brown
242	<i>L. sexnotatum</i>		9-12	black	black	black+white bands
243	<i>L. sexstrigatum</i>					
244	<i>L. smeathmanellum</i>		6-7	metallic green	metallic green	metallic green
245	<i>L. villosulum</i>		6-7	brown	brown	brown
246	<i>L. xanthopus</i>		10-12	brown	tawny	black+white bands
247	<i>L. zonulum</i>		8-11	black	brown	black+white bands
248						
249	Rophites - mining bees					
250	<i>R. quinquespinosus</i>		9	black	black	black+white bands
251						
252	Sphecodes - cuckoo bees					
253	<i>S. crassus</i>		7-9	black	black	red+black tip
254	<i>S. ephippius</i>		5-10	black	black	red+black tip
255	<i>S. ferruginatus</i>		6-8	black	black	red+black tip
256	<i>S. geoffrellus</i>		5-7	black	black	red+black tip
257	<i>S. gibbus</i>		9-12	black	black	red+black tip
258	<i>S. hyalinatus</i>		5-7	black	black	red+black tip
259	<i>S. longulus</i>		4-6	black	black	red+black tip

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
260	<i>S. marginatus</i>		5-7	black	black	red+black tip
261	<i>S. miniatus</i>		5-6	black	black	red+black tip
262	<i>S. monilicornis</i>		8-12	black	black	red+black tip
263	<i>S. niger</i>		5-6	black	black	red+black tip
264	<i>S. pellucidus</i>		8-10	black	black	red+black tip
265	<i>S. puncticeps</i>		6-8	black	black	red+black tip
266	<i>S. reticulatus</i>		9-10	black	black	red+black tip
267	<i>S. rubicundus</i>		9-10	black	black	red+black tip
268	<i>S. scabricollis</i>		9-10	black	black	red+black tip
269	<i>S. spinulosus</i>		10-11	black	black	red+black tip
270						
271	Megachilidae					
272	Anthidium - carder bees					
273	<i>A. manicatum</i>		9-12	black	black	black+gold spots
274						
275	Chelastoma - solitary bees					
276	<i>C. campanularum</i>	campanula spp	5-7	black	black	black
277	<i>C. florissomne</i>	buttercup spp	8-11	black	black	black+white bands
278						
279	Coelioxys - cuckoo bees					
280	<i>C. afra</i>		8-10	tawny	brown+tawny dusting	black+white spots
281	<i>C. conoidea</i>		11-15	black	black+white	black+white spots
282	<i>C. elongata</i>		11-15	black	brown	black+white bands
283	<i>C. inermis</i>		10-14	black	brown	black+white bands
284	<i>C. mandibularis</i>		8-13	brown	brown	black+white spots
285	<i>C. quadridentata</i>		10-14	brown	brown	black+white bands
286	<i>C. rufescens</i>		10-16	brown	brown	black+white bands
287						
288	Heriades - solitary bees					
289	<i>H. truncorum</i>	composites	5-9	black	black	black+white bands
290						
291	Hoplitis - solitary bees					

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
292	<i>H. claviventris</i>		6-10	black	black	black+white bands
293						
294	Megachile - leaf-cutter bees					
295	<i>M. centuncularis</i>		9-12	black	brown	black+white bands
296	<i>M. circumcincta</i>		11-15	black	brown	brown
297	<i>M. dorsalis</i>		9-11	brown	brown	black+white bands
298	<i>M. ligniseca</i>		15-18	brown	brown	brown
299	<i>M. maritima</i>		11-16	brown	brown	brown+cream bands
300	<i>M. versicolor</i>		10-13	brown	brown	brown
301	<i>M. willoughbiella</i>		12-15	brown	brown	brown
302						
303	Osmia - mason bees					
304	<i>O. aurulenta</i>		7-11	brown	tawny	black+tawny bands
305	<i>O. bicolor</i>		8-12	black	black	red
306	<i>O. bicornis (=rufa)</i>		9-14	black	tawny	tawny
307	<i>O. caerulea</i>		7-11	metallic blue	metallic blue	metallic blue+white bands
308	<i>O. inermis</i>	Lotus corniculatus	8-10	tawny	tawny	black
309	<i>O. leaiana</i>		9-12	brown	brown	brown+white bands
310	<i>O. parietina</i>	Lotus corniculatus	9-10	brown	brown	black
311	<i>O. pilicornis</i>		8-12	black	tawny	black&tawny
312	<i>O. spinulosa (=Hoplitis spinulosa)</i>		6-9	brown	brown	black+white bands
313	<i>O. uncinata</i>	Lotus corniculatus	9-10	brown	tawny	black
314	<i>O. xanthomelana</i>	Lotus corniculatus	12-13	black	tawny	tawny & black
315						
316	Stelis - cuckoo bees					
317	<i>S. breviscula</i>		5-7	black	black	black+white bands
318	<i>S. ornatula</i>		6-8	black	black	black+yellow spots
319	<i>S. phaeoptera</i>		6-10	black	black	black
320	<i>S. punctulatissima</i>		7-11	black	brown	brown+paler bands
321						
322	Melittidae					
323	Dasypoda - mining bees					

	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
324	<i>D. hirtipes</i>	composites	12-15	brown	tawny	black+white bands
325						
326	Macropis - mining bees					
327	<i>M. europaea</i>	yellow loosestrife	8-9	black	black	black+white bands
328						
329	Melitta - mining bees					
330	<i>M. dimidiata</i>	Onobrychis vivifolia	13-15	black	tawny	black+white bands
331	<i>M. haemorrhoidalis</i>	Campanula	10-12	black	brown	brown+orange tip
332	<i>M. leporina</i>	Fabaceae spp	10-12	black	brown	black+tawny bands
333	<i>M. tricincta</i>	Odontites verna	10-12	black	brown	black+tawny bands
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	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
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	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
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1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
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	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
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	A	E	F	G	H	I
1	SPECIES	oligolectic	F	COLOUR - overall impression (F)		
2			L.mm	Head	Thorax	gaster
3						
484						
485						

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
4	Andrenidae					
5	Andrena - mining bees					
6	<i>A. alfkenella</i>	leg, grey	5-7	black	black	black+white bands
7	<i>A. angustior</i>	leg, gold	8-10	pale brown	tawny	black+Tawny
8	<i>A. apicata</i>	leg, pale brown	10-13	brown	brown	brown
9	<i>A. argentata</i>	leg, dirty yellow	7-9	Grey+White	grey+white	black+white bands
10	<i>A. barbilabris</i>	leg, dirty yellow	8-11	Grey	grey	black
11	<i>A. bicolor</i>	leg, gold	7-10	black	Brown	black
12	<i>A. bimaculata</i>	leg, brown	10-12	Brown	brown	brown+red-brown
13	<i>A. bucephala</i>	leg, yellow	9-13	brown	brown	brown
14	<i>A. carantonica (=scotica)</i>	leg, brown+cream	10-13	brown	brown	brown
15	<i>A. chrysosceles</i>	leg, yellow	7-9	black+cream	brown	black+white bands
16	<i>A. cineraria</i>	leg, grey	9-14	blue-black	black+grey	blue-black
17	<i>A. clarkella</i>	leg, gold	9-13	black	tawny	dark brown
18	<i>A. coitana</i>	leg, grey	6-9	black+cream	black	black+white bands
19	<i>A. congruens</i>	leg, gold	7-10	black	tawny	black+white bands
20	<i>A. denticulata</i>	leg, yellow	8-10	brown	brown	brown
21	<i>A. dorsata</i>	leg, gold	7-9	brown	Tawny	black+white bands
22	<i>A. falsifica</i>	leg, grey	6-7	black	black	black+white bands
23	<i>A. ferox</i>	leg, dirty yellow	10-12	Brown	Brown	brown+red-brown
24	<i>A. flavipes</i>	leg, gold	9-12	Brown	Brown	black+cream bands
25	<i>A. florea</i>	leg, dirty yellow	10-13	Brown	Brown	brown+red-brown
26	<i>A. floricola</i>	leg, grey	6-7	black	black	black+white bands
27	<i>A. fucata</i>	leg, dirty yellow	8-11	brown	brown	brown
28	<i>A. fulva</i>	leg, Black	9-13	brown	Brown	brown
29	<i>A. fulvago</i>	leg, golden.	8-11	brown	brown	brown
30	<i>A. fuscipes</i>	leg, Brown	8-9	brown	brown	brown
31	<i>A. gravida</i>	leg, Gold	10-13	brown	Brown	black+cream bands
32	<i>A. haemorrhoea</i>	leg, yellow	9-11	brown	tawny	brown+tawny tip
33	<i>A. hattorfiana</i>	leg, Gold	13-15	brown	brown	brown+/-red-brown
34	<i>A. helvola</i>	leg, dirty yellow	7-11	brown	brown	brown
35	<i>A. humilis</i>	leg, gold	9-11	brown+cream	brown	brown

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
36	<i>A. labialis</i>	leg, gold	9-13	brown+cream	brown	brown
37	<i>A. labiata</i>	leg, yellow	7-9	brown+cream	brown	black+red
38	<i>A. lapponica</i>	leg, black+white	8-12	brown	brown	brown
39	<i>A. lathyri</i>	leg, gold	10-14	brown	brown	brown+cream bands
40	<i>A. lepida</i>	leg, gold	7-9	brown	brown	brown+cream bands
41	<i>A. marginata</i>	leg, dirty yellow	7-10	brown+cream	brown	brown+/-red-brown
42	<i>A. minutula</i>	leg, grey	5-7	black	black	black+white bands
43	<i>A. minutuloides</i>	leg, grey	6-7	black	black	black
44	<i>A. nana</i>	leg, grey	5-7	black	black	black+white bands
45	<i>A. nanula</i>	leg, grey	5-7	black	black	black+white bands
46	<i>A. nigriceps</i>	leg, dark brown	9-12	brown	brown	brown
47	<i>A. nigroaenea</i>	leg, gold	10-13	brown	brown	brown
48	<i>A. nigrospina</i>	leg, black	11-15	black	grey	black
49	<i>A. nitida</i>	leg, brown+grey	????	white+brown	Tawny	brown
50	<i>A. nitidiuscula</i>	leg, grey	6-8	black	black	black+white bands
51	<i>A. niveata</i>	leg, grey	6-7	black	black	black+white bands
52	<i>A. ovatula</i>	leg, gold	7-9	brown	brown	black+white bands
53	<i>A. pillipes (s.l.)</i>	leg, gold	7-9	brown	brown	black+white bands
54	<i>A. pilipes (s.s.)</i>	leg, black	11-15	black	brown	black
55	<i>A. polita</i>	leg, golden.	11-14	brown	brown	black+orange tip
56	<i>A. praecox</i>	leg, yellow	7-11	brown	brown	brown
57	<i>A. proxima</i>	leg, grey	8-10	black	black	black+white bands
58	<i>A. rosae</i>	leg, brown+cream	10-13	Brown	Brown	brown+red-brown
59	<i>A. ruficrus</i>	leg, gold	8-10	brown	brown	brown
60	<i>A. semilaevis</i>	leg, grey	6-7	black	black	black+white bands
61	<i>A. similis (= ocreata)</i>	leg, gold	9-10	brown	tawny	black+white bands
62	<i>A. simillima</i>	leg, black	9-11	brown	brown	brown
63	<i>A. strangulata</i>		10-11			
64	<i>A. subopaca</i>	leg, grey	5-7	black	black	black+white bands
65	<i>A. synadelpha</i>	leg, dirty yellow	7-11	brown	brown	brown
66	<i>A. tarsata</i>	leg, yellow	6-9	black+cream	black	black
67	<i>A. thoracica</i>	leg, black	11-14	brown	tawny	black

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
68	<i>A. tibialis</i>	leg, gold	11-14	Brown	brown	brown
69	<i>A. tridentata</i>	leg, black	10	brown	brown	brown
70	<i>A. trimmerana</i>	leg, brown+cream	10-13	brown	brown	brown+red-brown
71	<i>A. vaga</i>	leg, black	11-14	black	grey	blue-black
72	<i>A. varians</i>	leg, black+white	7-11	black	tawny	black
73	<i>A. wilkella</i>	leg, gold	8-10	Brown	brown	black+white bands
74						
75	Panurgus - mining bees					
76	<i>P. banksianus</i>	leg, gold	10-12	black	black	black
77	<i>P. calcaratus</i>	leg, gold	6-9	black	black	black
78						
79	Apidae					
80	Anthophora - solitary bees					
81	<i>A. bimaculata</i>	leg, grey	9-11	tawny	tawny	black+cream bands
82	<i>A. furcata</i>	leg, orange	10.5-12	brown	brown	brown
83	<i>A. plumipes</i>	leg, orange	14-16	tawny	tawny	tawny+black
84	<i>A. quadrimaculata</i>	leg, grey	40857	black	grey	black+grey bands
85	<i>A. retusa</i>	leg, orange	13-15	grey	dirty yellow	black+grey bands
86						
87	Apis - honey bees					
88	<i>A. mellifera</i>		13-17			
89						
90	Bombus - social bumblebees		(M)			
91	<i>B. cryptarum</i>	leg, black	13-16	black	black+yellow	black+yellow+white tail
92	<i>B. cullumanus</i>	leg, black+yellow	13-14.5	grey-yellow	yellow+black+yellow	yellow+black+red
93	<i>B. distinguendus</i>	leg, black	11-13	yellow	black+yellow	yellow
94	<i>B. hortorum</i>	leg, black	13-15	black	black+yellow	black+yellow+white tail
95	<i>B. humilis</i>	leg, brown	13-15	tawny	tawny	tawny
96	<i>B. hypnorum</i>	leg, brown	14-16	tawny	brown	tawny+black+white tail
97	<i>B. jonellus</i>	leg, orange or black	12-14	yellow	black+yellow	black+yellow+white tail
98	<i>B. lapidarius</i>	leg, black	14-16	black+yellow	black+yellow	black+red
99	<i>B. lucorum s.l.</i>	leg, black	14-16	yellow	black+yellow	black+yellow+white tail

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
100	<i>B. lucorum s.s.</i>	leg, black	14-16	yellow	black+yellow	black+yellow+white tail
101	<i>B. magnus</i>	leg, black	14-16	yellow	black+yellow	black+yellow+white tail
102	<i>B. monticola</i>	leg, black	14-15	yellow	black+yellow	black+orange
103	<i>B. muscorum</i>	leg, brown	13-15	tawny	tawny	tawny
104	<i>B. pascuorum</i>	leg, brown	12-14	tawny	tawny	tawny, often black patches
105	<i>B. pratorum</i>	leg, orange or black	11-13	yellow	black+yellow	black+yellow+orange tail
106	<i>B. ruderarius</i>	leg, orange	12-14	black	black+khaki	black+red tail
107	<i>B. ruderatus (1)</i>	leg, black	15-17	black	black+yellow	black+yellow+white tail
108	<i>B. ruderatus (2)</i>	leg, black	15-17	black	black+yellow	black
109	<i>B. soroeensis</i>	leg, black	12-14	black+yellow	black+yellow	black+yellow+white tail
110	<i>B. subterraneus</i>	leg, black	15-16	yellow	black+yellow	black+yellow
111	<i>B. sylvarum</i>	leg, grey	12-14	grey	grey+black	black+grey+orange tail
112	<i>B. terrestris</i>	leg, black	14-16	black	black+yellow	black+yellow+white tail
113						
114	Bombus - cuckoo bumblebees					
115	<i>B. barbutellus</i>	none	15-17	black	black+yellow	black+yellow+white tail
116	<i>B. bohemicus</i>	none	15-18	black	black+yellow	black+yellow+white tail
117	<i>B. campestris (1)</i>	none	15-16	black+yellow	black+yellow	black+yellow tail
118	<i>B. campestris (2)</i>	none	15-15	black	black	black+yellow tail
119	<i>B. rupestris</i>	none	14-17	black	black+yellow	black+yellow+red tail
120	<i>B. sylvestris</i>	none	13-15	black	black+yellow	black+yellow+small red tip
121	<i>B. vestalis</i>	none	15-17	black	black+yellow	black+yellow+white tail
122						
123	Ceratina - carpenter bees					
124	<i>C. cyanea</i>	leg, grey	6-7	metallic blue	metallic blue	metallic blue
125						
126	Epeolus - cuckoo bees					
127	<i>E. cruciger</i>	none	5.5-7.5	black	black+cream	black+cream spots
128	<i>E. variegatus</i>	none	6.5-8	black	black+cream	black+cream spots
129						
130	Eucera - mining bees					
131	<i>E. longicornis</i>	leg, orange	14-16	tawny	tawny	black+tawny

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
132	<i>E. nigrescens</i>	leg, orange	14-16	tawny	tawny	black+tawny
133						
134	<i>Melecta</i> - cuckoo bees					
135	<i>M. albifrons</i>	none	12-17	grey	black & grey	black+grey+white spots
136	<i>M. luctuosa</i>	none	14-16	grey	black+grey	black+grey+white spots
137						
138	<i>Nomada</i> - cuckoo bees					
139	<i>N. argentata</i>	none	7-9	black	black	red+black
140	<i>N. armata</i>	none	11-13	black	black+orange	black+yellow+orange
141	<i>N. baccata</i>	none	6-8	black	black+orange	orange+cream
142	<i>N. castellana</i>	none	5-8	black	black+red	black+red+yellow spots
143	<i>N. conjungens</i>	none	7-10	black	black+red	black+red+yellow spots
144	<i>N. errans</i>	none	6-7	black	black+white spot	dark red+white spots
145	<i>N. fabriciana</i>	none	6-11	black	black	black+red+yellow spots
146	<i>N. ferruginata</i>	none	7-9	black	black	black+orange+yellow
147	<i>N. flava</i>	none	7-12	brown	brown+orange	brown+orange+yellow
148	<i>N. flavoguttata</i>	none	5-8	black	black+red	black+red+yellow spots
149	<i>N. flavopicta</i>	none	8-11	black	black+yellow	black+yellow
150	<i>N. fucata</i>	none	8-11	black	black+yellow	black+orange+yellow
151	<i>N. fulvicornis</i>	none	10-12	black	black	black+yellow
152	<i>N. fuscicornis</i>	none	5-8	black	black	black+tawny bands+yellow
153	<i>N. goodeniana</i>	none	9-13	black	black+yellow	black+yellow
154	<i>N. guttulata</i>	none	7-9	black	black+red	black+red+yellow spots
155	<i>N. hirtipes</i>	none	9-11	black	black	black+orange+yellow spots
156	<i>N. integra</i>	none	7-10	black	black	black+red
157	<i>N. lathburiana</i>	none	9-11	brown	brown+yellow	black+orange+yellow
158	<i>N. leucothalma</i>	none	8-13	black	black	brown+orange+yellow
159	<i>N. marshamella</i>	none	8-12	black	black+yellow	black+yellow
160	<i>N. obtusifrons</i>	none	6-8	black	black	black+red+yellow spots
161	<i>N. panzeri</i>	none	7-12	brown	brown	brown+orange+yellow
162	<i>N. roberjeotiana</i>	none	7-8	black	black+orange	black+orange+yellow spots
163	<i>N. ruficornis</i>	none	7-11	brown	brown	brown+orange+yellow

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
164	<i>N. rufipes</i>	none	7-10	black	black+yellow	black+yellow
165	<i>N. rufipes</i>	none	7-10			
166	<i>N. sexfasciata</i>	none	12-15	black	black+yellow	black+yellow
167	<i>N. sheppardana</i>	none	5-6	black	black	brown+yellow spots
168	<i>N. signata</i>	none	10-12	brown	brown+red	brown+orange+yellow
169	<i>N. similis</i>	none	7-9	black	black	black+much tawny+bands
170	<i>N. striata</i>	none	7-10	black	black+orange	brown+orange+yellow spots
171						
172	Xylocopa - carpenter bees					
173	<i>X. violacea</i>	leg, black	20-22	black	black	black
174						
175	Colletidae					
176	Colletes - mining bees					
177	<i>C. cunicularius</i>	leg, pale brown	12-15	brown	brown	brown
178	<i>C. daviesanus</i>	leg, pale brown	8-9	gold	gold	black+white bands
179	<i>C. floralis</i>	leg, pale brown	8-11	gold	gold	black+white bands
180	<i>C. fodiens</i>	leg, pale brown	9-10	gold	gold	black+cream bands
181	<i>C. halophilus</i>	leg, pale brown	8-12	gold	gold	black+cream bands
182	<i>C. hederæ</i>	leg, pale brown	8-15	gold	gold	black+ginger bands
183	<i>C. marginatus</i>	leg, pale brown	7-9	gold	gold	black+white bands
184	<i>C. similis</i>	leg, pale brown	8-10	gold	gold	black+white bands
185	<i>C. succinctus</i>	leg, pale brown	7-11	gold	gold	black+white bands
186						
187	Hylaeus - solitary bees					
188	<i>H. brevicornis</i>	none	4-6	black+cream	black+cream	black
189	<i>H. communis</i>	none	5-7	black+yellow	black+yellow	black
190	<i>H. confusus</i>	none	6-7	black+yellow	black+yellow	black
191	<i>H. cornutus</i>	none	6-7	black+yellow	black+yellow	black
192	<i>H. dilatatus (= annularis)</i>	none	4-6	black+yellow	black+yellow	black
193	<i>H. hyalinatus</i>	none	4-7	black+cream	black+cream	black
194	<i>H. incongruus (= gibbus)</i>	none	6-8	black+yellow	black+yellow	black
195	<i>H. pectoralis</i>	none	6-8	black+yellow	black+yellow	black

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
196	<i>H. pictipes</i>	none	4-5	black+cream	black+ cream	black
197	<i>H. punctulatissimus</i>	none	7-8	black+yellow	black+yellow	black
198	<i>H. signatus</i>	none	6-8	black+cream	black+cream	black
199	<i>H. spilotus</i>	none	5-7	black+yellow	black+yellow	black
200						
201	Dufourea - mining bees					
202	<i>D. halictula</i>	leg, grey	4-5?	black	black	black
203	<i>D. minuta</i>	leg, grey	5-6	black	black	black
204						
205	Halictus - mining bees					
206	<i>H. confusus</i>	leg, grey	7-9	bronzy green	bronzy green	bronzy green
207	<i>H. eurygnathus</i>	leg, grey	9-10	brown	brown	brown+white bands
208	<i>H. quadricinctus</i>	leg, dirty yellow	14-20	brown	brown	brown+white bands
209	<i>H. rubicundus</i>	leg, gold	9-11	brown	Tawny	black+white bands
210	<i>H. scabiosae</i>	leg, dirty yellow	13-15	brown	brown	black+white bands
211	<i>H. subauratus</i>	leg, grey	7-9	Bronzy green	bronzy green	bronzy green
212	<i>H. tumulorum</i>	leg, grey	6-8	Bronzy green	bronzy Green	black+pale bands
213						
214	Lasioglossum - mining bees					
215	<i>L. albipes</i>	leg, dirty yellow	7-9	brown+yellow	brown	brown+yellow+red
216	<i>L. angusticeps</i>	leg, dirty yellow	6-7	brown+yellow	brown	brown+white bands
217	<i>L. brevicorne</i>	leg, grey	6	brown	brown	brown
218	<i>L. calceatum</i>	leg, dirty yellow	8-11	brown+yellow	brown	brown+yellow+red
219	<i>L. cupromicans</i>	leg, grey	6-8	metallic green	metallic green	black
220	<i>L. fratellum</i>	leg, dirty yellow	6-9	brown+yellow	brown	brown+white bands
221	<i>L. fulvicorne</i>	leg, dirty yellow	6-8	brown+yellow	dark brown	brown+white bands
222	<i>L. laeva</i>					
223	<i>L. laevigatum</i>	leg, yellow	7-9	brown	tawny	brown+white bands
224	<i>L. laticeps</i>	leg, grey	6-9	brown+yellow	brown	brown+red
225	<i>L. lativentre</i>	leg, grey	7-8	brown	brown	black+white bands
226	<i>L. leucopus</i>	leg, grey	5-6	metallic green	metallic green	black
227	<i>L. leucozonium</i>	leg, grey	7-9	black	black+pale hairs	black+white bands

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
228	<i>L. limbellum</i>	leg, dirty yellow	6	brown	brown	brown
229	<i>L. malachurum</i>	leg, dirty yellow	6-10	brown+yellow	brown+yellow	brown
230	<i>L. minutissimum</i>	leg, grey	4-6	dark brown	brown	brown
231	<i>L. morio</i>	leg, grey	5-7	metallic green	metallic green	black
232	<i>L. nitidiusculum</i>	leg, grey	7	brown	brown	brown
233	<i>L. parvulum</i>	leg, grey	6-7	brown	brown	brown
234	<i>L. pauperatum</i>	leg, grey	5-6	brown	brown	brown
235	<i>L. pauxillum</i>	leg, grey	6-7	brown	brown	brown
236	<i>L. prasinum</i>	leg, grey	7-9	dark green	dark green	brown+blood-red tip
237	<i>L. punctatissimum</i>	leg, grey	5-7	brown	brown	brown
238	<i>L. puncticolle</i>	leg, grey	6-8	brown	brown	brown
239	<i>L. quadrinotatum</i>	leg, grey	6-8	brown	brown	black+white bands
240	<i>L. rufitarse</i>	leg, grey	7-8	brown	brown	brown
241	<i>L. semilucens</i>	leg, grey	4-5	brown	brown	brown
242	<i>L. sexnotatum</i>	leg, grey	9-10	black	black	black+white bands
243	<i>L. sexstrigatum</i>					
244	<i>L. smeathmanellum</i>	leg, grey	6-7	metallic green	metallic green	metallic green
245	<i>L. villosulum</i>	leg, grey		brown	brown	brown
246	<i>L. xanthopus</i>	leg, gold	9-12	brown	tawny	black+white bands
247	<i>L. zonulum</i>	leg, grey	7-10	black	brown	black+white bands
248						
249	Rophites - mining bees					
250	<i>R. quinquespinosus</i>	leg	9	black	black	black+white bands
251						
252	Sphecodes - cuckoo bees					
253	<i>S. crassus</i>	none	5-8	black	black	red+black tip
254	<i>S. ephippius</i>	none	6-8	black	black	red+black tip
255	<i>S. ferruginatus</i>	none	7-9	black	black	red+black tip
256	<i>S. geoffrellus</i>	none	5-8	black	black	red+black tip
257	<i>S. gibbus</i>	none	7-11	black	black	red+black tip
258	<i>S. hyalinatus</i>	none	5-7	black	black	red+black tip
259	<i>S. longulus</i>	none	4-6	black	black	red+black tip

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
260	<i>S. marginatus</i>	none	5-7	black	black	red+black tip
261	<i>S. miniatus</i>	none	5-6	black	black	red+black tip
262	<i>S. monilicornis</i>	none	7-10	black	black	red+black tip
263	<i>S. niger</i>	none	5-6	black	black	black
264	<i>S. pellucidus</i>	none	6-9	black	black	red+black tip
265	<i>S. puncticeps</i>	none	5-7	black	black	red+black tip
266	<i>S. reticulatus</i>	none	7-10	black	black	red+black tip
267	<i>S. rubicundus</i>	none	8-10	black	black	red+black tip
268	<i>S. scabricollis</i>	none	7-9	black	black	red+black tip
269	<i>S. spinulosus</i>	none	10-11	black	black	red+black tip
270						
271	Megachilidae					
272	Anthidium - carder bees					
273	<i>A. manicatum</i>	gaster, dirty yellow	11-17	black	brown	black+gold spots
274						
275	Chelastoma - solitary bees					
276	<i>C. campanularum</i>	gaster, grey	5-7	black	black	black
277	<i>C. florissomne</i>	gaster, dirty yellow	7-11	black	black	black+white bands
278						
279	Coelioxys - cuckoo bees					
280	<i>C. afra</i>	Grey	7-11	Tawny	black	black+white spots
281	<i>C. conoidea</i>	none	11-14	black	black+white	black+white spots
282	<i>C. elongata</i>	none	11-14	brown	brown	black+white bands
283	<i>C. inermis</i>	none	9-12	brown	brown	black+white bands
284	<i>C. mandibularis</i>	none	9-12	brown	brown	black+white spots
285	<i>C. quadridentata</i>	none	9-12	brown	brown	black+white bands
286	<i>C. rufescens</i>	none	8-12	brown	brown	black+white bands
287						
288	Heriades - solitary bees					
289	<i>H. truncorum</i>	gaster, orange	5-8	black	black	black+white bands
290						
291	Hoplitis - solitary bees					

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
292	<i>H. claviventris</i>	gaster, grey	7-10	brown	brown	black+white bands
293						
294	Megachile - leaf-cutter bees					
295	<i>M. centuncularis</i>	gaster, orange	9-12	brown	brown	black+white bands
296	<i>M. circumcincta</i>	gaster, orange	9-13	brown	brown	brown
297	<i>M. dorsalis</i>	gaster, grey	6-10	brown	brown	brown+cream bands
298	<i>M. ligniseca</i>	gaster, gold	12-15	brown	brown	brown
299	<i>M. maritima</i>	gaster, yellow	12-15	brown	brown	brown
300	<i>M. versicolor</i>	gaster, orange	10-12	brown	brown	brown+cream bands
301	<i>M. willoughbiella</i>	gaster, orange+black	10-14	brown	brown	brown
302						
303	Osmia - mason bees					
304	<i>O. aurulenta</i>	gaster, red	8-12	brown	brown	black+tawny bands
305	<i>O. bicolor</i>	gaster, red	9-11	brown	brown	brown+tawny bands
306	<i>O. bicornis (=rufa)</i>	gaster, orange	7-13	brown	tawny	tawny
307	<i>O. caerulescens</i>	gaster, black	7-10	tawny	tawny	metallic green
308	<i>O. inermis</i>	gaster, black	7-10	brown	brown	black
309	<i>O. leaiana</i>	gaster, orange	7-10	brown	brown	metallic green
310	<i>O. parietina</i>	gaster, black	7-9	brown	brown	metallic green
311	<i>O. pilicornis</i>	gaster, black	8-11	brown	brown	brown+tawny bands
312	<i>O. spinulosa (=Hoplitis spinulosa)</i>	gaster, orange	6-9	brown	brown	black+white bands
313	<i>O. uncinata</i>	gaster, black	8-9	brown	tawny	black
314	<i>O. xanthomelana</i>	gaster, black	10-12	tawny	tawny	tawny
315						
316	Stelis - cuckoo bees					
317	<i>S. breviscula</i>	none	5-7	black	black	black+white bands
318	<i>S. ornatula</i>	none	6-8	black	black	black+yellow spots
319	<i>S. phaeoptera</i>	none	6-10	black	black	black
320	<i>S. punctulatissima</i>	none	7-11	black	brown	brown+paler bands
321						
322	Melittidae					
323	Dasypoda - mining bees					

	A	J	K	L	M	N
1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
324	<i>D. hirtipes</i>	leg, gold	12-15	brown	tawny	black+light brown bands
325						
326	Macropis - mining bees					
327	<i>M. europaea</i>	leg, black+white	8-9	black	brown	black+white bands
328						
329	Melitta - mining bees					
330	<i>M. dimidiata</i>	leg, dirty yellow	12-13	brown	tawny	black+tawny bands
331	<i>M. haemorrhoidalis</i>	leg, dirty yellow	10-12	brown	brown	black+tawny bands
332	<i>M. leporina</i>	leg, dirty yellow	9-12	brown	brown	black+tawny bands
333	<i>M. tricincta</i>	leg, dirty yellow	8-12	brown	brown	black+tawny bands
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1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
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1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
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1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
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1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
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1	SPECIES		M	COLOUR - overall impression (M)		
2		pollen brush	L.mm	Head	Thorax	Gaster
3		location, colour				
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485						