

Electronic Supplementary Material 2: Datasets used in analyses

Table 1 Flower visitor abundance recorded across all whole sampling season per site

Site	All taxa	Coleoptera	Diptera	Syrphidae	Hymenoptera	Lepidoptera	Bees	Honeybees	Bumblebees	Solitary bees
Bristol farmland	302	17	203	55	77	5	73	33	21	19
Bristol nature reserve	152	14	69	26	50	19	40	10	19	11
Bristol urban	211	2	48	30	161	0	154	76	52	26
Cardiff farmland	521	21	440	124	54	6	48	17	27	4
Cardiff nature reserve	281	19	188	68	72	2	71	35	29	7
Cardiff urban	189	4	69	15	116	0	29	1	21	7
Dundee farmland	349	12	278	144	46	13	40	0	38	2
Dundee nature reserve	375	15	333	116	23	4	17	0	15	2
Dundee urban	213	6	153	92	40	14	33	2	30	1
Edinburgh farmland	112	2	104	26	6	0	3	0	3	0
Edinburgh nature reserve	304	29	256	111	16	3	12	0	12	0
Edinburgh urban	99	2	52	43	45	0	45	2	40	3
Glasgow farmland	409	12	376	96	17	4	14	0	14	0
Glasgow nature reserve	381	37	296	70	30	18	25	0	25	0
Glasgow urban	23	0	19	10	4	0	1	0	1	0
Hull farmland	97	10	58	49	28	1	0	5	20	0
Hull nature reserve	794	25	569	451	199	1	192	17	175	0
Hull urban	174	10	136	113	28	0	28	1	26	1
Leeds farmland	121	2	47	14	71	1	66	19	47	0
Leeds nature reserve	54	15	24	13	14	1	12	3	9	0
Leeds urban	152	0	64	61	88	0	86	17	66	3
London farmland	219	15	42	23	160	2	156	56	95	5
London nature reserve	29	0	24	23	5	0	5	0	5	0
London urban	182	37	48	28	94	3	85	24	46	15

Reading farmland	212	27	146	71	37	2	31	9	5	17
Reading nature reserve	51	1	25	23	25	0	22	11	11	0
Reading urban	90	3	45	31	42	0	41	8	25	8
Sheffield farmland	54	3	34	18	17	0	15	7	7	1
Sheffield nature reserve	223	0	159	158	64	0	62	44	18	0
Sheffield urban	96	2	61	60	32	1	32	5	24	3
Southampton farmland	251	7	149	59	94	1	92	53	30	9
Southampton nature reserve	14	0	9	7	5	0	5	2	2	1
Southampton urban	87	1	14	12	72	0	71	34	34	3
Swindon farmland	24	1	17	10	6	0	3	3	0	0
Swindon nature reserve	465	19	361	63	47	38	32	4	25	3
Swindon urban	102	3	43	26	53	3	53	4	48	1

Table 2 Flower visitor abundance recorded per sampling month per site

Site	Month	All taxa	Coleoptera	Diptera	Syrphidae	Hymenoptera	Lepidoptera	Bees	Honeybees	Bumblebees	Solitary bees
Bristol farmland	June	106	5	74	23	4	18	23	14	6	3
Bristol farmland	July	109	12	57	39	1	19	39	19	11	9
Bristol farmland	August	47	0	36	11	0	5	8	0	3	5
Bristol farmland	September	40	0	36	4	0	13	3	0	1	2
Bristol nature reserve	June	41	9	14	9	9	8	7	4	3	0
Bristol nature reserve	July	42	5	17	11	9	11	11	3	8	0
Bristol nature reserve	August	65	0	36	28	1	6	20	3	8	9
Bristol nature reserve	September	4	0	2	2	0	1	2	0	0	2
Bristol urban	June	30	2	14	14	0	8	13	3	2	8
Bristol urban	July	46	0	11	35	0	6	31	8	10	13
Bristol urban	August	80	0	7	73	0	4	72	36	31	5
Bristol urban	September	55	0	16	39	0	12	38	29	9	0
Cardiff farmland	June	161	11	128	17	5	38	15	5	9	1
Cardiff farmland	July	72	7	53	12	0	15	11	4	5	2
Cardiff farmland	August	209	2	186	21	0	45	18	8	10	0
Cardiff farmland	September	79	1	73	4	1	26	4	0	3	1
Cardiff nature reserve	June	45	2	26	17	0	11	17	7	8	2
Cardiff nature reserve	July	97	15	56	25	1	13	25	17	4	4
Cardiff nature reserve	August	79	1	55	22	1	10	21	11	10	0
Cardiff nature reserve	September	60	1	51	8	0	34	8	0	7	1
Cardiff urban	June	25	4	9	12	0	4	11	0	7	4
Cardiff urban	July	12	0	5	7	0	4	6	0	5	1
Cardiff urban	August	135	0	43	92	0	4	8	1	6	1
Cardiff urban	September	17	0	12	5	0	3	4	0	3	1
Dundee farmland	June	140	11	73	43	13	23	38	0	36	2
Dundee farmland	July	69	1	67	1	0	6	1	0	1	0
Dundee farmland	August	89	0	88	1	0	72	1	0	1	0

Dundee farmland	September	51	0	50	1	0	43	0	0	0	0
Dundee nature reserve	June	90	4	73	12	1	7	10	0	8	2
Dundee nature reserve	July	116	6	102	7	1	9	5	0	5	0
Dundee nature reserve	August	144	1	137	4	2	82	2	0	2	0
Dundee nature reserve	September	25	4	21	0	0	18	0	0	0	0
Dundee urban	June	52	6	15	17	14	0	13	0	13	0
Dundee urban	July	14	0	9	5	0	0	4	0	4	0
Dundee urban	August	103	0	92	11	0	60	9	1	8	0
Dundee urban	September	44	0	37	7	0	32	7	1	5	1
Edinburgh farmland	June	44	1	40	3	0	2	1	0	1	0
Edinburgh farmland	July	44	1	42	1	0	2	0	0	0	0
Edinburgh farmland	August	24	0	22	2	0	22	2	0	2	0
Edinburgh farmland	September	0	0	0	0	0	0	0	0	0	0
Edinburgh nature reserve	June	164	26	123	12	3	5	10	0	10	0
Edinburgh nature reserve	July	10	0	7	3	0	1	1	0	1	0
Edinburgh nature reserve	August	127	1	125	1	0	104	1	0	1	0
Edinburgh nature reserve	September	3	2	1	0	0	1	0	0	0	0
Edinburgh urban	June	10	0	3	7	0	0	7	0	7	0
Edinburgh urban	July	20	2	4	14	0	1	13	2	11	1
Edinburgh urban	August	63	0	42	21	0	39	20	0	20	1
Edinburgh urban	September	6	0	3	3	0	3	2	0	2	1
Glasgow farmland	June	209	10	195	1	3	18	1	0	1	0
Glasgow farmland	July	95	2	79	13	1	24	12	0	12	0
Glasgow farmland	August	52	0	50	2	0	17	1	0	1	0
Glasgow farmland	September	53	0	52	1	0	37	0	0	0	0
Glasgow nature reserve	June	133	21	96	5	11	12	3	0	3	0
Glasgow nature reserve	July	104	9	75	13	7	9	12	0	12	0

Glasgow nature reserve	August	78	3	67	8	0	15	8	0	8	0
Glasgow nature reserve	September	66	4	58	4	0	34	2	0	2	0
Glasgow urban	June	3	0	2	1	0	1	1	0	1	0
Glasgow urban	July	3	0	3	0	0	0	0	0	0	0
Glasgow urban	August	10	0	7	3	0	2	0	0	0	0
Glasgow urban	September	7	0	7	0	0	7	0	0	0	0
Hull farmland	June	34	5	9	20	0	4	0	2	16	0
Hull farmland	July	14	4	3	6	1	1	0	3	3	0
Hull farmland	August	47	0	45	2	0	44	0	0	1	0
Hull farmland	September	2	1	1	0	0	0	0	0	0	0
Hull nature reserve	June	87	0	46	41	0	23	39	0	39	0
Hull nature reserve	July	110	11	14	85	0	8	84	3	81	0
Hull nature reserve	August	503	11	432	59	1	408	55	14	41	0
Hull nature reserve	September	94	3	77	14	0	12	14	0	14	0
Hull urban	June	33	10	13	10	0	0	10	0	10	0
Hull urban	July	17	0	3	14	0	2	14	0	14	0
Hull urban	August	112	0	109	3	0	105	3	1	1	1
Hull urban	September	12	0	11	1	0	6	1	0	1	0
Leeds farmland	June	44	2	1	40	1	1	40	12	28	0
Leeds farmland	July	18	0	10	8	0	1	8	0	8	0
Leeds farmland	August	33	0	15	18	0	8	18	7	11	0
Leeds farmland	September	26	0	21	5	0	4	0	0	0	0
Leeds nature reserve	June	24	11	5	8	0	2	0	3	5	0
Leeds nature reserve	July	17	4	9	3	1	4	0	0	2	0
Leeds nature reserve	August	7	0	6	1	0	5	0	0	1	0
Leeds nature reserve	September	6	0	4	2	0	2	0	0	1	0
Leeds urban	June	76	0	4	72	0	2	71	13	56	2
Leeds urban	July	7	0	4	3	0	3	2	1	1	0

Leeds urban	August	40	0	29	11	0	29	11	1	9	1
Leeds urban	September	29	0	27	2	0	27	2	2	0	0
London farmland	June	98	2	2	94	0	2	92	17	75	0
London farmland	July	28	9	3	14	2	2	13	11	2	0
London farmland	August	81	4	33	44	0	17	44	28	11	5
London farmland	September	12	0	4	8	0	2	7	0	7	0
London nature reserve	June	0	0	0	0	0	0	0	0	0	0
London nature reserve	July	2	0	1	1	0	1	0	0	1	0
London nature reserve	August	23	0	20	3	0	19	0	0	3	0
London nature reserve	September	4	0	3	1	0	3	0	0	1	0
London urban	June	40	12	6	21	1	2	21	6	15	0
London urban	July	75	20	25	28	2	14	21	3	10	8
London urban	August	41	5	12	24	0	11	23	12	7	4
London urban	September	26	0	5	21	0	1	20	3	14	3
Reading farmland	June	77	20	44	12	1	16	9	5	2	2
Reading farmland	July	133	7	100	25	1	55	22	4	3	15
Reading farmland	August	2	0	2	0	0	0	0	0	0	0
Reading farmland	September	0	0	0	0	0	0	0	0	0	0
Reading nature reserve	June	2	1	0	1	0	0	1	0	1	0
Reading nature reserve	July	22	0	18	4	0	18	1	0	1	0
Reading nature reserve	August	12	0	3	9	0	1	9	6	3	0
Reading nature reserve	September	15	0	4	11	0	4	11	5	6	0
Reading urban	June	23	2	7	14	0	2	14	0	14	0
Reading urban	July	51	1	29	21	0	24	20	6	7	7
Reading urban	August	8	0	5	3	0	3	3	1	2	0
Reading urban	September	8	0	4	4	0	2	4	1	2	1
Sheffield farmland	June	11	2	7	2	0	0	2	0	1	1
Sheffield farmland	July	10	1	4	5	0	2	3	0	3	0

Sheffield farmland	August	19	0	11	8	0	11	8	7	1	0
Sheffield farmland	September	14	0	12	2	0	5	2	0	2	0
Sheffield nature reserve	June	0	0	0	0	0	0	0	0	0	0
Sheffield nature reserve	July	0	0	0	0	0	0	0	0	0	0
Sheffield nature reserve	August	221	0	159	62	0	158	60	44	16	0
Sheffield nature reserve	September	2	0	0	2	0	0	2	0	2	0
Sheffield urban	June	18	0	2	16	0	2	16	2	13	1
Sheffield urban	July	9	0	2	7	0	1	7	3	2	2
Sheffield urban	August	52	2	41	8	1	41	8	0	8	0
Sheffield urban	September	17	0	16	1	0	16	1	0	1	0
Southampton farmland	June	1	0	1	0	0	0	0	0	0	0
Southampton farmland	July	83	6	54	23	0	36	23	10	7	6
Southampton farmland	August	101	1	47	52	1	3	41	36	13	2
Southampton farmland	September	66	0	47	19	0	20	18	7	10	1
Southampton nature reserve	June	1	0	1	0	0	1	0	0	0	0
Southampton nature reserve	July	6	0	4	2	0	3	2	0	1	1
Southampton nature reserve	August	1	0	0	1	0	0	1	1	0	0
Southampton nature reserve	September	6	0	4	2	0	3	2	1	1	0
Southampton urban	June	22	0	1	21	0	1	21	6	15	0
Southampton urban	July	31	1	2	28	0	2	27	14	11	2
Southampton urban	August	25	0	9	16	0	8	16	14	2	0
Southampton urban	September	9	0	2	7	0	1	7	0	6	1
Swindon farmland	June	2	0	0	2	0	0	0	0	0	0
Swindon farmland	July	0	0	0	0	0	0	0	0	0	0
Swindon farmland	August	10	1	6	3	0	4	3	3	0	0
Swindon farmland	September	12	0	11	1	0	6	0	0	0	0

Swindon nature reserve	June	17	6	10	1	0	0	0	0	0	0
Swindon nature reserve	July	125	1	104	11	9	4	11	0	10	1
Swindon nature reserve	August	122	9	78	12	23	47	10	2	6	2
Swindon nature reserve	September	201	3	169	23	6	12	11	2	9	0
Swindon urban	June	8	2	2	3	1	1	3	0	2	1
Swindon urban	July	25	1	13	11	0	6	11	2	9	0
Swindon urban	August	42	0	18	22	2	12	22	2	20	0
Swindon urban	September	27	0	10	17	0	7	17	0	17	0

Table 3 Flower visitor richness recorded across whole sampling season per site

Site	<i>All taxa</i>	<i>Coleoptera</i>	<i>Diptera</i>	<i>Syrphidae</i>	<i>Hymenoptera</i>	<i>Lepidoptera</i>	<i>Bees</i>	<i>Bumblebees</i>	<i>Solitary bees</i>
Bristol farmland	63	4	41	15	3	16	12	5	6
Bristol nature reserve	51	8	24	15	5	10	9	5	3
Bristol urban	42	2	25	15	0	13	11	4	6
Cardiff farmland	83	9	57	13	4	22	9	5	3
Cardiff nature reserve	56	4	39	11	2	20	10	6	3
Cardiff urban	42	3	24	15	0	8	10	5	4
Dundee farmland	78	7	59	9	3	15	7	5	2
Dundee nature reserve	87	7	65	11	4	18	7	5	2
Dundee urban	48	3	31	12	2	12	7	5	1
Edinburgh farmland	29	2	22	5	0	4	2	2	0
Edinburgh nature reserve	61	6	44	8	3	15	5	5	0
Edinburgh urban	24	1	12	11	0	6	11	7	3
Glasgow farmland	76	3	63	6	4	23	4	4	0
Glasgow nature reserve	82	12	57	9	4	22	4	4	0
Glasgow urban	17	0	14	3	0	5	1	1	0
Hull farmland	30	5	14	10	1	9	7	6	0
Hull nature reserve	79	6	58	14	1	26	10	9	0
Hull urban	27	1	20	6	0	8	6	4	1
Leeds farmland	24	2	15	6	1	6	5	4	0
Leeds nature reserve	25	5	12	7	1	6	6	5	0
Leeds urban	28	0	15	13	0	12	11	8	2
London farmland	36	6	13	15	2	8	11	6	4
London nature reserve	7	0	5	2	0	4	2	2	0
London urban	53	6	23	22	2	10	18	5	12
Reading farmland	66	6	41	17	2	15	13	4	8
Reading nature reserve	17	1	9	7	0	7	7	5	1

Reading urban	36	3	19	14	0	10	13	5	7
Sheffield farmland	26	3	14	9	0	6	7	5	1
Sheffield nature reserve	15	0	10	5	0	9	3	2	0
Sheffield urban	20	2	8	9	1	7	9	6	2
Southampton farmland	53	2	39	11	1	17	9	2	6
Southampton nature reserve	8	0	5	3	0	3	3	1	1
Southampton urban	15	1	5	9	0	4	8	5	2
Swindon farmland	15	1	11	3	0	5	1	0	0
Swindon nature reserve	67	7	36	16	8	9	9	6	2
Swindon urban	28	2	17	7	2	9	7	5	1

Table 4 Flower visitor richness and floral unit abundance recorded per sampling month per site

Site	Month	All taxa	Coleoptera	Diptera	Syrphidae	Hymenoptera	Lepidoptera	Bees	Bumblebees	Solitary bees	Floral unit abundance
Bristol farmland	June	35	3	24	6	2	7	6	3	2	395
Bristol farmland	July	28	3	15	9	1	8	9	4	4	284
Bristol farmland	August	19	0	13	6	0	5	4	1	3	23
Bristol farmland	September	16	0	13	3	0	6	2	1	1	13
Bristol nature reserve	June	21	6	7	5	3	3	3	2	0	102
Bristol nature reserve	July	20	2	9	5	4	6	5	4	0	182
Bristol nature reserve	August	27	0	16	10	1	6	6	2	3	18
Bristol nature reserve	September	3	0	2	1	0	1	1	0	1	5
Bristol urban	June	18	2	8	8	0	4	7	2	4	574
Bristol urban	July	20	0	10	10	0	5	7	2	4	303
Bristol urban	August	15	0	6	9	0	3	8	4	3	306
Bristol urban	September	14	0	10	4	0	7	3	2	0	131
Cardiff farmland	June	49	7	33	6	3	13	5	3	1	721
Cardiff farmland	July	25	2	16	7	0	6	6	3	2	377
Cardiff farmland	August	39	2	30	7	0	14	5	4	0	902
Cardiff farmland	September	18	1	14	2	1	9	2	1	1	21
Cardiff nature reserve	June	27	1	19	7	0	8	7	4	2	377
Cardiff nature reserve	July	28	2	19	6	1	10	6	4	1	519
Cardiff nature reserve	August	19	1	13	4	1	6	3	2	0	581
Cardiff nature reserve	September	19	1	15	3	0	9	3	2	1	123
Cardiff urban	June	15	3	5	7	0	3	6	3	3	169
Cardiff urban	July	9	0	4	5	0	3	4	3	1	135
Cardiff urban	August	26	0	17	9	0	4	6	4	1	102
Cardiff urban	September	10	0	7	3	0	2	2	1	1	67
Dundee farmland	June	44	6	26	9	3	5	7	5	2	1633
Dundee farmland	July	29	1	27	1	0	6	1	1	0	510

Dundee farmland	August	15	0	14	1	0	1	1	1	0	313
Dundee farmland	September	14	0	13	1	0	8	0	0	0	77
Dundee nature reserve	June	31	3	19	8	1	6	6	4	2	3940
Dundee nature reserve	July	45	4	35	5	1	4	4	4	0	5930
Dundee nature reserve	August	37	1	31	3	2	13	2	2	0	424
Dundee nature reserve	September	11	2	9	0	0	6	0	0	0	213
Dundee urban	June	20	3	8	7	2	0	4	4	1	214
Dundee urban	July	8	0	5	3	0	0	2	2	0	176
Dundee urban	August	19	0	14	5	0	8	3	2	0	206
Dundee urban	September	14	0	10	4	0	6	4	2	1	420
Edinburgh farmland	June	17	1	13	3	0	2	1	1	0	830
Edinburgh farmland	July	16	1	14	1	0	2	0	0	0	923
Edinburgh farmland	August	2	0	1	1	0	1	1	1	0	915
Edinburgh farmland	September	0	0	0	0	0	0	0	0	0	306
Edinburgh nature reserve	June	39	5	25	6	3	5	4	4	0	2813
Edinburgh nature reserve	July	6	0	4	2	0	1	1	1	0	1487
Edinburgh nature reserve	August	25	1	23	1	0	9	1	1	0	212
Edinburgh nature reserve	September	2	1	1	0	0	1	0	0	0	9
Edinburgh urban	June	7	0	2	5	0	0	5	5	0	135
Edinburgh urban	July	11	1	3	7	0	1	7	5	1	442
Edinburgh urban	August	10	0	6	4	0	4	4	3	1	41
Edinburgh urban	September	5	0	2	3	0	2	3	2	1	54
Glasgow farmland	June	28	3	21	1	3	7	1	1	0	372
Glasgow farmland	July	43	1	36	5	1	11	4	4	0	841
Glasgow farmland	August	24	0	22	2	0	8	1	1	0	290

Glasgow farmland	September	19	0	18	1	0	10	0	0	0	176
Glasgow nature reserve	June	32	10	17	4	1	6	2	2	0	515
Glasgow nature reserve	July	31	2	22	4	3	7	3	3	0	1505
Glasgow nature reserve	August	21	2	17	2	0	8	2	2	0	908
Glasgow nature reserve	September	30	3	24	3	0	11	1	1	0	423
Glasgow urban	June	3	0	2	1	0	1	1	1	0	280
Glasgow urban	July	3	0	3	0	0	0	0	0	0	196
Glasgow urban	August	8	0	6	2	0	1	0	0	0	175
Glasgow urban	September	4	0	4	0	0	4	0	0	0	73
Hull farmland	June	13	2	4	7	0	1	5	4	0	1703
Hull farmland	July	8	2	2	3	1	1	3	2	0	42
Hull farmland	August	11	0	9	2	0	8	1	1	0	375
Hull farmland	September	2	1	1	0	0	0	0	0	0	337
Hull nature reserve	June	24	0	16	8	0	10	6	6	0	229
Hull nature reserve	July	26	4	13	9	0	7	8	7	0	525
Hull nature reserve	August	44	3	31	9	1	14	7	6	0	1323
Hull nature reserve	September	22	1	20	1	0	7	1	1	0	351
Hull urban	June	9	1	5	3	0	0	3	3	0	76
Hull urban	July	6	0	2	4	0	1	4	4	0	286
Hull urban	August	15	0	12	3	0	8	3	1	1	1160
Hull urban	September	7	0	6	1	0	2	1	1	0	289
Leeds farmland	June	8	2	1	4	1	1	4	3	0	344
Leeds farmland	July	9	0	6	3	0	1	3	3	0	473
Leeds farmland	August	10	0	5	5	0	4	5	4	0	34
Leeds farmland	September	10	0	9	1	0	3	0	0	0	11
Leeds nature reserve	June	11	4	4	3	0	2	3	2	0	283

Leeds nature reserve	July	12	2	6	3	1	2	2	2	0	11
Leeds nature reserve	August	3	0	2	1	0	1	1	1	0	357
Leeds nature reserve	September	6	0	4	2	0	2	1	1	0	0
Leeds urban	June	15	0	4	11	0	2	10	8	1	3126
Leeds urban	July	5	0	2	3	0	1	2	1	0	1287
Leeds urban	August	13	0	8	5	0	8	5	3	1	369
Leeds urban	September	6	0	5	1	0	5	1	0	0	173
London farmland	June	11	2	2	7	0	2	5	4	0	1371
London farmland	July	12	4	3	3	2	2	2	1	0	190
London farmland	August	20	3	8	9	0	4	8	3	4	168
London farmland	September	5	0	3	2	0	2	1	1	0	9
London nature reserve	June	0	0	0	0	0	0	0	0	0	3
London nature reserve	July	2	0	1	1	0	1	1	1	0	18
London nature reserve	August	4	0	3	1	0	2	1	1	0	21
London nature reserve	September	4	0	3	1	0	3	1	1	0	41
London urban	June	15	2	6	6	1	2	6	5	0	123
London urban	July	33	4	14	14	1	6	11	4	6	148
London urban	August	17	4	5	8	0	4	8	2	5	38
London urban	September	11	0	4	7	0	1	6	3	2	58
Reading farmland	June	36	4	23	8	1	7	5	2	2	1295
Reading farmland	July	44	3	28	12	1	11	10	3	6	531
Reading farmland	August	1	0	1	0	0	0	0	0	0	6
Reading farmland	September	0	0	0	0	0	0	0	0	0	0
Reading nature reserve	June	2	1	0	1	0	0	1	1	0	519
Reading nature reserve	July	8	0	6	2	0	6	2	1	1	189

Reading nature reserve	August	6	0	3	3	0	1	3	2	0	3501
Reading nature reserve	September	6	0	3	3	0	3	3	2	0	2081
Reading urban	June	12	2	6	4	0	2	4	4	0	271
Reading urban	July	26	1	12	13	0	7	12	4	7	149
Reading urban	August	6	0	3	3	0	1	3	2	0	43
Reading urban	September	7	0	4	3	0	2	3	1	1	19
Sheffield farmland	June	9	2	5	2	0	0	2	1	1	135
Sheffield farmland	July	8	1	3	4	0	1	2	2	0	109
Sheffield farmland	August	5	0	3	2	0	3	2	1	0	38
Sheffield farmland	September	10	0	8	2	0	5	2	2	0	6
Sheffield nature reserve	June	0	0	0	0	0	0	0	0	0	0
Sheffield nature reserve	July	0	0	0	0	0	0	0	0	0	22
Sheffield nature reserve	August	15	0	10	5	0	9	3	2	0	3297
Sheffield nature reserve	September	1	0	0	1	0	0	1	1	0	16787
Sheffield urban	June	9	0	2	7	0	2	7	5	1	969
Sheffield urban	July	7	0	2	5	0	1	5	2	2	229
Sheffield urban	August	8	2	3	2	1	3	2	2	0	249
Sheffield urban	September	5	0	4	1	0	4	1	1	0	69
Southampton farmland	June	1	0	1	0	0	0	0	0	0	229
Southampton farmland	July	29	2	20	7	0	11	7	2	4	646
Southampton farmland	August	24	1	16	6	1	2	5	2	2	268
Southampton farmland	September	26	0	21	5	0	9	4	2	1	135
Southampton nature reserve	June	1	0	1	0	0	1	0	0	0	31

Southampton nature reserve	July	4	0	2	2	0	1	2	1	1	11
Southampton nature reserve	August	1	0	0	1	0	0	1	0	0	59
Southampton nature reserve	September	5	0	3	2	0	2	2	1	0	9
Southampton urban	June	6	0	1	5	0	1	5	4	0	174
Southampton urban	July	10	1	2	7	0	2	6	3	2	161
Southampton urban	August	6	0	3	3	0	2	3	2	0	61
Southampton urban	September	5	0	2	3	0	1	3	2	1	30
Swindon farmland	June	1	0	0	1	0	0	0	0	0	65
Swindon farmland	July	0	0	0	0	0	0	0	0	0	29
Swindon farmland	August	7	1	5	1	0	3	1	0	0	24
Swindon farmland	September	8	0	7	1	0	3	0	0	0	8
Swindon nature reserve	June	9	2	6	1	0	0	0	0	0	171
Swindon nature reserve	July	18	1	9	3	5	3	3	2	1	138
Swindon nature reserve	August	33	2	18	9	4	7	7	4	2	47
Swindon nature reserve	September	37	3	23	9	2	4	4	3	0	72
Swindon urban	June	7	1	2	3	1	1	3	2	1	72
Swindon urban	July	13	1	7	5	0	3	5	4	0	205
Swindon urban	August	15	0	8	6	1	4	6	5	0	95
Swindon urban	September	9	0	6	3	0	4	3	3	0	39

Table 5 Inverse Simpsons and Fisher's Alpha indices calculated for visitor communities per site; floral unit abundance recorded across whole sampling season per site; proportion of woodland habitat at site; Sørensen similarity index, proportional similarity and Horn Morisita index calculated for the visitor community at each site.

Site	Inverse Simpson's	Fisher's Alpha	Floral Unit Abundance	Proportion woodland habitat	Sørensen Index	Proportional similarity	Horn Morisita Index	Visitor generality	Plant generality	Network specialisation (H2')
Bristol farmland	12.583	24.231	715	0.095	0.350	0.290	0.622	2.399	8.553	0.509
Bristol nature reserve	25.786	25.985	307	0.271	0.283	0.197	0.767	2.257	10.244	0.488
Bristol urban	6.063	15.747	1314	0.056	0.381	0.346	0.608	4.464	2.730	0.482
Cardiff farmland	5.935	26.381	2021	0.075	0.311	0.233	0.722	3.175	8.512	0.497
Cardiff nature reserve	8.794	19.315	1600	0.000	0.282	0.211	0.772	3.214	6.541	0.466
Cardiff urban	7.767	14.324	473	0.169	0.340	0.178	0.874	2.206	4.471	0.574
Dundee farmland	9.469	29.329	2533	0.046	0.279	0.235	0.628	1.829	14.811	0.589
Dundee nature reserve	19.859	31.767	10507	0.238	0.215	0.170	0.743	2.406	10.656	0.571
Dundee urban	6.012	18.039	1016	0.028	0.389	0.351	0.469	3.626	3.759	0.485
Edinburgh farmland	7.668	11.983	2974	0.149	0.230	0.233	0.646	3.284	4.257	0.477
Edinburgh nature reserve	6.632	22.969	4521	0.391	0.234	0.247	0.591	3.307	4.005	0.544
Edinburgh urban	5.086	10.076	672	0.077	0.371	0.400	0.421	4.278	2.425	0.552
Glasgow farmland	7.759	27.485	1679	0.280	0.238	0.142	0.901	1.748	11.162	0.667
Glasgow nature reserve	18.372	32.094	3351	0.629	0.250	0.159	0.854	2.836	6.537	0.580
Glasgow urban	11.255	29.468	724	0.006	0.199	0.218	0.571	1.228	4.326	0.641
Hull farmland	10.489	14.863	2457	0.139	0.320	0.275	0.580	1.891	5.197	0.591
Hull nature reserve	9.270	20.321	2428	0.033	0.273	0.308	0.542	1.829	14.811	0.589
Hull urban	5.736	8.468	1811	0.000	0.411	0.346	0.601	3.687	2.563	0.598
Leeds farmland	9.191	8.981	862	0.315	0.269	0.283	0.567	1.093	5.529	0.908
Leeds nature reserve	12.252	18.074	651	0.960	0.262	0.237	0.653	1.454	7.058	0.636
Leeds urban	9.667	10.081	4955	0.121	0.431	0.451	0.386	5.200	3.741	0.419
London farmland	7.646	12.255	1738	0.112	0.266	0.248	0.650	2.506	5.577	0.481
London nature reserve	1.998	2.931	83	0.878	0.189	0.229	0.620	2.251	1.973	0.428
London urban	17.252	24.321	367	0.081	0.324	0.349	0.547	4.341	6.455	0.354

Reading farmland	19.834	28.672	1832	0.162	0.315	0.283	0.556	1.924	12.884	0.571
Reading nature reserve	7.327	8.929	6290	0.841	0.264	0.313	0.534	1.663	6.911	0.503
Reading urban	12.578	22.239	482	0.119	0.425	0.441	0.402	3.837	3.488	0.288
Sheffield farmland	11.664	19.714	288	0.179	0.253	0.274	0.588	1.903	5.244	0.4815
Sheffield nature reserve ^a	4.582	3.628	20106	0.000	0.253	0.305	0.543	1.000	6.433	-
Sheffield urban	3.454	7.687	1516	0.006	0.375	0.395	0.568	4.934	3.027	0.382
Southampton farmland	13.413	19.92	1278	0.005	0.299	0.291	0.591	3.159	8.020	0.457
Southampton nature reserve	6.125	7.757	110	0.819	0.173	0.267	0.564	1.808	2.282	0.286
Southampton urban	4.963	5.225	426	0.007	0.400	0.391	0.464	6.572	2.161	0.435
Swindon farmland	12.000	17.115	126	0.111	0.132	0.180	0.679	1.222	4.579	0.728
Swindon nature reserve	8.501	21.011	428	0.022	0.268	0.163	0.793	2.456	10.795	0.458
Swindon urban	8.656	12.739	411	0.094	0.392	0.411	0.466	3.113	4.268	0.433

^a Note it was not possible to calculate H2' for the Sheffield nature reserve site as the network was too small (one plant species only), thus analyses for comparisons of H2' across landscape types excludes the triplet of sites for Sheffield.

Table 6 Visitor generality, plant generality, network specialisation (H2'), visitor species-level specialisation (d') and plant species-level specialisation (d') calculated for the flower-visitor network at each site.

Site	Visitor generality	Plant generality	Network specialisation (H2')	Visitor specialisation (d')	Visitor specialisation (d')
Bristol farmland	2.399	8.553	0.509	0.306	0.614
Bristol nature reserve	2.257	10.244	0.488	0.325	0.540
Bristol urban	4.464	2.730	0.482	0.667	0.597
Cardiff farmland	3.175	8.512	0.497	0.256	0.564
Cardiff nature reserve	3.214	6.541	0.466	0.288	0.486
Cardiff urban	2.206	4.471	0.574	0.478	0.749
Dundee farmland	1.829	14.811	0.589	0.186	0.463
Dundee nature reserve	2.406	10.656	0.571	0.306	0.560
Dundee urban	3.626	3.759	0.485	0.443	0.509
Edinburgh farmland	3.284	4.257	0.477	0.318	0.440
Edinburgh nature reserve	3.307	4.005	0.544	0.452	0.551
Edinburgh urban	4.278	2.425	0.552	0.498	0.415
Glasgow farmland	1.748	11.162	0.667	0.284	0.654
Glasgow nature reserve	2.836	6.537	0.580	0.440	0.609
Glasgow urban	1.228	4.326	0.641	0.358	0.797
Hull farmland	1.891	5.197	0.591	0.345	0.687
Hull nature reserve	1.829	14.811	0.589	0.186	0.463
Hull urban	3.687	2.563	0.598	0.596	0.593
Leeds farmland	1.093	5.529	0.908	0.391	0.874
Leeds nature reserve	1.454	7.058	0.636	0.312	0.700
Leeds urban	5.200	3.741	0.419	0.471	0.393
London farmland	2.506	5.577	0.481	0.327	0.483
London nature reserve	2.251	1.973	0.428	0.468	0.370
London urban	4.341	6.455	0.354	0.415	0.446
Reading farmland	1.924	12.884	0.571	0.242	0.593

Reading nature reserve	1.663	6.911	0.503	0.192	0.550
Reading urban	3.837	3.488	0.288	0.457	0.517
Sheffield farmland	1.903	5.244	0.482	0.359	0.632
Sheffield nature reserve ^a	1.000	6.433	-	-	-
Sheffield urban	4.934	3.027	0.382	0.316	0.337
Southampton farmland	3.159	8.020	0.457	0.287	0.469
Southampton nature reserve	1.808	2.282	0.286	0.446	0.514
Southampton urban	6.572	2.161	0.435	0.604	0.389
Swindon farmland	1.222	4.579	0.728	0.314	0.713
Swindon nature reserve	2.456	10.795	0.458	0.217	0.566
Swindon urban	3.113	4.268	0.433	0.417	0.461

^a Note it was not possible to calculate H2' or d' for the Sheffield nature reserve site as the network was too small (one plant species only), thus analyses for comparisons of H2' and d' across landscape types excludes the triplet of sites for Sheffield.

Table 7 Number of local singleton (recorded once at triplet of urban, farmland and nature reserve sites for each city), locally rare (recorded 2 to 10 times), locally less common (recorded 11 to 50 times) and locally common (recorded >50 times) visitor taxa for urban, farmland and nature reserve sites. Values are also expressed as a proportion of the total number of taxa found for the 12 sites of that landscape type.

Site	Number				Proportion			
	Singleton	Rare	Less common	Common	Singleton	Rare	Less common	Common
Bristol farmland	21	28	12	2	0.33	0.44	0.19	0.03
Bristol nature reserve	13	23	12	2	0.26	0.46	0.24	0.04
Bristol urban	12	19	10	1	0.29	0.45	0.24	0.02
Cardiff farmland	23	38	17	2	0.29	0.48	0.21	0.03
Cardiff nature reserve	16	20	15	2	0.30	0.38	0.28	0.04
Cardiff urban	10	12	14	2	0.26	0.32	0.37	0.05
Dundee farmland	21	36	17	0	0.28	0.48	0.23	0.00
Dundee nature reserve	27	37	16	0	0.33	0.46	0.20	0.00
Dundee urban	11	22	12	0	0.24	0.48	0.26	0.00
Edinburgh farmland	11	12	4	0	0.41	0.44	0.15	0.00
Edinburgh nature reserve	27	26	6	1	0.45	0.43	0.10	0.02
Edinburgh urban	7	12	4	0	0.30	0.52	0.17	0.00
Glasgow farmland	3	59	13	0	0.04	0.79	0.17	0.00
Glasgow nature reserve	8	57	16	0	0.10	0.70	0.20	0.00
Glasgow urban	0	11	6	0	0.00	0.65	0.35	0.00
Hull farmland	9	10	6	4	0.31	0.34	0.21	0.14
Hull nature reserve	28	30	12	4	0.38	0.41	0.16	0.05
Hull urban	6	7	8	4	0.24	0.28	0.32	0.16
Leeds farmland	8	8	7	0	0.35	0.35	0.30	0.00
Leeds nature reserve	9	10	5	0	0.38	0.42	0.21	0.00
Leeds urban	8	12	7	0	0.30	0.44	0.26	0.00
London farmland	9	18	7	1	0.26	0.51	0.20	0.03
London nature reserve	2	3	2	0	0.29	0.43	0.29	0.00
London urban	20	23	7	1	0.39	0.45	0.14	0.02

Reading farmland	26	29	5	0	0.43	0.48	0.08	0.00
Reading nature reserve	3	10	3	0	0.19	0.63	0.19	0.00
Reading urban	10	21	4	0	0.29	0.60	0.11	0.00
Sheffield farmland	14	6	3	2	0.56	0.24	0.12	0.08
Sheffield nature reserve	2	7	3	2	0.14	0.50	0.21	0.14
Sheffield urban	8	6	3	2	0.42	0.32	0.16	0.11
Southampton farmland	20	24	7	0	0.39	0.47	0.14	0.00
Southampton nature reserve	2	2	3	0	0.29	0.29	0.43	0.00
Southampton urban	3	8	3	0	0.21	0.57	0.21	0.00
Swindon farmland	5	8	2	0	0.33	0.53	0.13	0.00
Swindon nature reserve	21	33	10	1	0.32	0.51	0.15	0.02
Swindon urban	7	14	6	0	0.26	0.52	0.22	0.00

Table 8 Overall, native and non-native flowering plant richness per site; overall, native and non-native floral unit abundance per site

Site	Flowering plant richness			Floral unit abundance		
	All	Non-native	Native	All	Non-native	Native
Bristol farmland	23	0	23	715	715	0
Bristol nature reserve	23	0	23	307	307	0
Bristol urban	55	34	21	1314	384	930
Cardiff farmland	28	0	28	2021	2021	0
Cardiff nature reserve	32	0	32	1600	1600	0
Cardiff urban	32	16	16	473	94	379
Dundee farmland	23	4	19	2533	1287	1246
Dundee nature reserve	32	1	31	10507	10507	0
Dundee urban	54	27	27	1016	365	651
Edinburgh farmland	31	2	29	2974	2967	7
Edinburgh nature reserve	40	0	40	4521	4521	0
Edinburgh urban	42	20	22	672	426	246
Glasgow farmland	30	1	29	1679	1610	69
Glasgow nature reserve	52	2	50	3351	3109	242
Glasgow urban	24	4	20	724	636	88
Hull farmland	26	2	24	2457	873	1584
Hull nature reserve	48	1	47	2428	1992	436
Hull urban	40	13	27	1811	1736	75
Leeds farmland	11	1	10	862	862	0.00
Leeds nature reserve	15	1	14	651	648	3
Leeds urban	48	13	35	4955	3528	1427
London farmland	16	3	13	1738	223	1515
London nature reserve	10	0	10	83	83	0.00
London urban	46	22	24	367	316	51
Reading farmland	17	1	16	1832	1830	2
Reading nature reserve	5	0	5	6290	6290	0.00

Reading urban	48	17	31	482	362	120
Sheffield farmland	15	1	14	288	272	16
Sheffield nature reserve	2	0	2	20106	20106	0
Sheffield urban	36	12	24	1516	1326	190
Southampton farmland	33	2	31	1278	1274	4
Southampton nature reserve	8	0	8	110	110	0
Southampton urban	44	28	16	426	259	167
Swindon farmland	11	1	10	126	111	15
Swindon nature reserve	17	0	17	428	428	0
Swindon urban	26	14	12	411	256	155
