

Supporting the implementation of a conservation action plan for three sympatric hoverflies

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TABLE 1 Records of *Neoascia* species from the MNHNL museum collection. ‘No reference’ indicates a field observation only.

(Identifier: AH = Anna Husting, FB = Franka Bernardi, NB = Nicki Bassing, HA = Hinatea Arie, CT= Timothy Chambers, WvS = Wouter van Steenis, FV = Francesco Vitali, EV = Evelynne Carrières, JT = Joana Teixeira, LCS = Lisette Cantu-Salazar S, BA = Balint Andras)

Species	No. of specimens	Collection date	Latitude	Longitude	Collection number	Identifier
<i>Neoascia annexa</i>	2	30.05.23	49.678	5.941	MNHNL150504	FB
	1	1.06.23	49.674	5.936	MNHNL150540	NB
	6	6.06.23	49.678	5.941	MNHNL150544	FB
	5	9.06.23	49.678	5.941	MNHNL150511	FB
	5	13.06.23	49.678	5.941	MNHNL150521	FB
	1	21.06.23	49.678	5.941	MNHNL150541	FB
	1	29.06.23	49.678	5.941	MNHNL150534	FB
	1	29.06.23	49.678	5.941	MNHNL150525	FB
	2	29.06.23	49.678	5.941	MNHNL150518	FB
	1	29.06.23	49.678	5.941	MNHNL150547	FB
	1	29.06.23	49.678	5.941	MNHNL150509	FB
	1	13.06.23	49.678	5.941	MNHNL150543	WvS
	1	13.06.23	49.678	5.941	MNHNL150549	FB
	2	20.05.25	49.968	5.971	MNHNL173187	AH
	1	12.05.25	49.678	5.942	MNHNL173200	AH
	1	15.05.25	50.176	5.572	MNHNL173218	AH
	3	19.05.25	49.909	5.846	MNHNL173226	AH
	8	20.05.25	50.132	6.129	MNHNL173257	AH
	4	16.06.25	49.968	5.971	MNHNL174098	AH
	9	10.06.25	50.132	6.129	MNHNL174109	AH
	1	10.06.25	50.106	6.131	MNHNL174114	AH
	3	12.06.25	50.177	5.572	MNHNL174121	AH
	1	03.06.25	49.737	5.545	MNHNL174122	AH
	5	16.06.25	49.909	5.846	MNHNL174129	AH
	1	25.06.25	49.641	6.046	MNHNL178250	HA
	3	16.06.25	49.672	5.939	MNHNL178255	HA
	8	13.06.25	49.678	5.942	MNHNL178258	HA
<i>Neoascia interrupta</i>	2	31.07.23	49.609	6.124	MNHNL130652	HA
	2	21.08.23	49.758	6.296	MNHNL164540	HA
	1	5.05.23	49.616	6.133	MNHNL164557	HA
	1	31.07.23	49.609	6.124	MNHNL168634	HA
<i>Neoascia meticulosa</i>	1	6.07.22	49.728	6.347	MNHNL164547	NB
	2	23.05.22	49.728	6.347	MNHNL164313	HA
	1	10.04.24	49.677	6.086	MNHNL128983	HA
	2	10.04.24	49.715	5.943	MNHNL128985	HA
	4	22.06.22	49.728	6.347	MNHNL165763	HA
	5	4.15.24	49.596	6.300	MNHNL168260	HA
	1	5.31.21	50.114	5.936	MNHNL168520	HA
	1	6.14.21	50.114	5.936	MNHNL168962	HA
<i>Neoascia obliqua</i>	1	20.05.99	NA	NA	MNHNL138227	FV
	1	20.05.99	NA	NA	MNHNL138228	FV
	7	4.05.23	49.719	6.093	MNHNL150505	FB
	1	4.05.23	49.719	6.095	MNHNL150572	NB
	1	6.05.23	49.688	5.897	MNHNL150524	FB
	1	6.05.23	49.689	5.895	MNHNL150582	FB
	1	9.05.23	49.591	6.156	MNHNL150506	FB

	4	11.05.23	49.678	5.941	MNHNL150546	FB
	1	11.05.23	49.675	5.934	MNHNL150508	NB
	4	18.05.23	49.674	5.934	MNHNL150531	FB
	10	18.05.23	49.674	5.934	MNHNL150539	NB
	4	18.05.23	49.674	5.934	MNHNL150516	NB
	2	18.05.23	49.674	5.934	MNHNL150512	NB
	2	18.05.23	49.674	5.936	MNHNL150532	NB
	10	18.05.23	49.673	5.937	MNHNL150507	FB
	1	23.05.23	49.674	5.934	MNHNL150515	FB
	6	23.05.23	49.674	5.934	MNHNL150530	FB
	2	23.05.23	49.674	5.934	MNHNL150538	FB
	1	23.05.23	49.674	5.936	MNHNL150573	FB
	2	25.05.23	49.719	6.093	MNHNL150522	FB
	1	25.05.23	49.719	6.095	MNHNL150574	FB
	1	1.06.23	49.674	5.934	MNHNL150526	FB
	1	1.06.23	49.674	5.936	MNHNL150523	FB
	1	1.06.23	49.673	5.937	MNHNL150528	FB
	1	2.06.23	49.719	6.093	MNHNL150527	FB
	1	6.06.23	49.678	5.941	MNHNL150535	FB
	1	6.06.23	49.674	5.934	MNHNL150503	FB
	1	9.06.23	49.678	5.941	MNHNL150545	FB
	1	9.06.23	49.674	5.936	MNHNL150529	FB
	1	21.06.23	49.678	5.941	MNHNL150510	NB
	1	29.06.23	49.674	5.934	MNHNL150519	FB
	3	2.05.25	49.641	6.046	MNHNL173153	AH
	1	25.04.25	49.645	6.024	MNHNL173154	AH
	2	29.04.25	49.848	6.116	MNHNL173156	AH
	3	2.05.25	49.680	6.159	MNHNL173157	AH
	4	2.05.25	49.643	6.037	MNHNL173158	AH
	10	28.04.25	49.689	5.895	MNHNL173159	AH
	10	30.04.25	49.946	6.026	MNHNL173160	AH
	8	29.04.25	49.920	6.040	MNHNL173161	AH
	1	29.04.25	49.920	6.040	MNHNL173162	AH
	9	28.04.25	49.716	5.627	MNHNL173163	AH
	2	28.04.25	49.737	5.545	MNHNL173165	AH
	5	28.04.25	49.743	5.537	MNHNL173166	AH
	3	25.04.25	49.909	5.846	MNHNL173168	AH
	1	2.05.25	49.543	5.809	MNHNL173169	AH
	12	30.04.25	49.968	5.971	MNHNL173170	AH
	11	28.04.25	49.672	5.939	MNHNL173171	AH
	7	25.04.25	49.675	5.934	MNHNL173172	AH
	7	29.04.25	49.713	6.053	MNHNL173173	AH
	10	25.04.25	49.678	5.942	MNHNL173174	AH
	1	25.04.25	49.678	5.942	MNHNL173175	AH
	11	28.04.25	49.562	6.374	MNHNL173176	AH
	12	28.04.25	49.516	6.235	MNHNL173177	AH
	3	25.04.25	49.908	6.187	MNHNL173179	AH
	5	25.04.25	49.921	6.230	MNHNL173181	AH
	14	29.04.25	49.660	6.436	MNHNL173182	AH
	11	29.04.25	49.659	6.439	MNHNL173183	AH
	1	15.05.25	49.946	6.026	MNHNL173184	AH
	11	15.05.25	49.946	6.026	MNHNL173185	AH
	9	15.05.25	49.968	5.971	MNHNL173186	AH
	5	13.05.25	49.635	6.275	MNHNL173189	AH
	7	13.05.25	49.753	6.272	MNHNL173190	AH
	7	12.05.25	49.591	6.156	MNHNL173191	AH
	9	16.05.25	49.522	5.835	MNHNL173193	AH

	12	14.05.25	49.562	6.374	MNHN173195	AH
	13	14.05.25	49.659	6.439	MNHN173196	AH
	9	14.05.25	49.660	6.436	MNHN173197	AH
	11	12.05.25	49.672	5.939	MNHN173199	AH
	8	12.05.25	49.678	5.942	MNHN173201	AH
	10	13.05.25	49.689	5.895	MNHN173202	AH
	10	15.05.25	49.921	6.230	MNHN173205	AH
	4	14.05.25	49.645	6.024	MNHN173206	AH
	8	16.05.25	50.139	5.973	MNHN173207	AH
	3	15.05.25	49.908	6.187	MNHN173209	AH
	10	12.05.25	49.675	5.934	MNHN173210	AH
	11	14.05.25	49.713	6.053	MNHN173211	AH
	1	15.05.25	49.933	6.352	MNHN173213	AH
	10	15.05.25	50.177	5.572	MNHN173216	AH
	1	13.05.25	49.743	5.537	MNHN173219	AH
	5	13.05.25	49.743	5.537	MNHN173220	AH
	9	9.05.25	49.807	6.319	MNHN173221	AH
	7	14.05.25	49.716	5.627	MNHN173222	AH
	9	21.05.25	49.340	6.172	MNHN173223	AH
	4	20.05.25	49.440	5.617	MNHN173225	AH
	4	19.05.25	49.909	5.846	MNHN173227	AH
	2	16.05.25	50.157	5.894	MNHN173229	AH
	11	16.05.25	50.157	5.894	MNHN173230	AH
	1	20.05.25	49.711	6.447	MNHN173231	AH
	2	12.05.25	49.739	6.331	MNHN173232	AH
	1	21.05.25	49.719	6.093	MNHN173234	AH
	1	21.05.25	49.719	6.093	MNHN173235	AH
	1	20.05.25	49.711	6.441	MNHN173237	AH
	3	20.05.25	49.711	6.441	MNHN173238	AH
	3	30.05.25	49.409	6.143	MNHN173240	AH
	2	3.06.25	49.659	6.439	MNHN173241	AH
	4	3.06.25	49.660	6.436	MNHN173242	AH
	1	3.06.25	49.516	6.235	MNHN173243	AH
	1	19.05.25	49.763	5.881	MNHN173246	AH
	2	30.05.25	49.762	6.411	MNHN173247	AH
	5	3.06.25	49.716	5.627	MNHN173248	AH
	1	3.06.25	49.743	5.537	MNHN173250	AH
	2	3.06.25	49.743	5.537	MNHN173252	AH
	5	21.05.25	49.723	6.620	MNHN173253	AH
	1	20.05.25	50.132	6.129	MNHN173254	AH
	2	20.05.25	50.132	6.129	MNHN173256	AH
	1	21.05.25	49.672	6.583	MNHN173258	AH
	2	20.05.25	50.106	6.131	MNHN173259	AH
	5	19.05.25	49.607	6.149	MNHN173260	AH
	5	21.05.25	49.674	6.720	MNHN173261	AH
	2	20.05.25	50.019	6.129	MNHN173262	AH
	4	16.06.25	49.946	6.026	MNHN173263	AH
	7	16.06.25	49.920	6.040	MNHN173264	AH
	1	10.06.25	49.635	6.275	MNHN173265	AH
	1	16.06.25	49.968	5.971	MNHN174099	AH
	1	5.06.25	49.522	5.835	MNHN174101	AH
	8	5.06.25	49.522	5.835	MNHN174102	AH
	8	4.06.25	49.689	5.895	MNHN174104	AH
	8	3.06.25	49.739	6.331	MNHN174106	AH
	2	13.06.25	49.911	6.186	MNHN174107	AH
	1	10.06.25	50.132	6.129	MNHN174110	AH
	10	12.06.25	49.719	6.093	MNHN174111	AH

	1	12.06.25	49.591	6.156	MNHN174112	AH
	3	10.06.25	50.106	6.131	MNHN174113	AH
	10	03.06.25	49.807	6.319	MNHN174115	AH
	10	02.06.25	49.713	6.053	MNHN174116	AH
	1	16.06.25	50.139	5.973	MNHN174117	AH
	2	3.06.25	49.753	6.272	MNHN174118	AH
	5	10.06.25	49.440	5.617	MNHN174119	AH
	4	12.06.25	50.177	5.572	MNHN174120	AH
	5	16.06.25	50.157	5.894	MNHN174123	AH
	5	10.06.25	49.711	6.441	MNHN174124	AH
	3	16.06.25	49.848	6.116	MNHN174126	AH
	4	13.06.25	49.921	6.230	MNHN174127	AH
	5	16.06.25	49.909	5.846	MNHN174128	AH
	1	18.06.25	49.723	6.620	MNHN178245	HA
	2	18.06.25	49.674	6.720	MNHN178247	HA
	4	25.06.25	49.641	6.046	MNHN178248	HA
	1	25.06.25	49.643	6.037	MNHN178251	HA
	4	16.06.25	49.591	6.156	MNHN178253	HA
	7	16.06.25	49.672	5.939	MNHN178254	HA
	1	17.06.25	49.340	6.172	MNHN178256	HA
	3	17.06.25	49.409	6.143	MNHN178257	HA
	2	13.06.25	49.678	5.942	MNHN178259	HA
	6	13.06.25	49.675	5.934	MNHN178260	HA
	2	12.05.25	49.516	6.235	MNHN174881	HA
	1	12.05.25	49.591	6.156	No reference	AH
	7	13.05.25	49.635	6.275	No reference	AH
	7	15.05.25	49.921	6.230	No reference	TH
	1	15.05.25	49.908	6.187	No reference	TH
	1	12.05.25	49.672	5.939	No reference	TH
	10	12.05.25	49.678	5.942	No reference	TH
	4	19.05.25	49.909	5.846	No reference	BA
	1	15.05.25	50.177	5.572	No reference	BA
	1	21.05.25	49.723	6.620	No reference	TH
	12	20.05.25	50.132	6.129	No reference	TH
	9	20.05.25	49.711	6.441	No reference	HA
	1	27.05.25	49.440	5.617	MNHN173224	AH
	1	28.05.25	49.909	5.846	MNHN173228	AH
	1	28.05.25	49.739	6.331	MNHN173233	AH
	1	28.05.25	49.711	6.441	MNHN173239	AH
	1	4.06.25	49.723	6.620	MNHN173244	AH
	1	4.06.25	50.132	6.129	MNHN173255	AH
	1	17.06.25	49.522	5.835	MNHN174100	AH
	3	17.06.25	49.739	6.331	No reference	TH
	2	17.06.25	50.132	6.129	MNHN174108	AH
	9	10.06.25	50.132	6.129	No reference	TH
	3	18.06.25	49.711	6.441	MNHN174125	AH
	1	18.06.25	49.711	6.441	No reference	HA
	2	13.06.25	49.921	6.230	No reference	HA
	1	04.07.25	49.641	6.046	MNHN178249	HA
	1	16.06.25	49.672	5.939	No reference	TH
	19	13.06.25	49.678	5.942	No reference	TH
	2	25.06.25	49.908	6.187	No reference	AH
<i>Neoascia podagrica</i>	1	3.09.21	49.656	6.422	MNHN128469	HA
	1	3.09.21	49.543	6.342	MNHN128472	HA
	2	20.09.21	49.656	6.422	MNHN128473	HA
	1	17.08.23	49.725	6.265	MNHN164538	HA

	1	20.07.22	49.810	6.473	MNHN164539	HA
	1	9.05.22	49.728	6.347	MNHN164292	HA
	1	5.08.13	48.931	5.077	MNHN164545	NB
	1	3.05.23	49.497	6.282	MNHN164542	HA
	3	17.05.23	49.473	5.977	MNHN164543	HA
	1	2.05.23	49.983	6.013	MNHN164544	HA
	1	2.05.23	49.982	6.014	MNHN164546	HA
	2	19.07.23	49.759	5.827	MNHN128471	HA
	3	19.07.23	49.762	5.828	MNHN128474	HA
	1	04.09.23	50.062	5.859	MNHN164564	HA
	3	21.08.23	49.758	6.296	MNHN164541	HA
	7	31.07.23	49.609	6.124	MNHN164558	HA
	1	8.05.23	49.608	6.138	MNHN164312	HA
	1	10.04.24	49.677	6.086	MNHN128984	HA
	2	10.04.24	49.715	5.943	MNHN128986	HA
	1	17.07.98	-	-	MNHN138229	EC
	1	17.07.98	-	-	MNHN138230	EC
	1	17.07.98	-	-	MNHN138231	EC
	1	2.08.19	49.485	6.313	MNHN138232	JT, LCS
	1	3.8.-	-	-	MNHN138233	FV
	1	4.29.24	49.553	6.105	MNHN165861	HA
	1	6.27.24	49.776	6.449	MNHN165862	HA
	1	6.26.24	49.821	6.200	MNHN165863	HA
	1	6.25.24	49.650	5.964	MNHN165864	HA
	1	6.25.24	49.559	6.369	MNHN165865	HA
	1	7.25.24	49.623	5.895	MNHN165871	HA
	1	4.26.24	49.749	5.929	MNHN164568	HA
	1	9.03.24	49.663	6.048	MNHN164567	HA
	1	7.31.24	49.633	5.948	MNHN166433	HA
	4	8.23.24	49.863	6.030	MNHN165897	HA
	4	6.27.24	49.782	6.460	MNHN165898	HA
	1	8.22.24	49.907	6.066	MNHN165899	HA
	6	7.29.24	49.734	6.298	MNHN165900	HA
	2	7.19.24	49.844	6.302	MNHN165901	HA
	2	9.19.24	49.907	5.773	MNHN165910	HA
	2	6.29.23	49.642	6.040	MNHN165916	HA
	1	4.15.24	49.596	6.300	MNHN168261	HA
	1	4.15.24	49.596	6.300	MNHN168262	HA
	1	9.13.23	49.710	6.266	MNHN168277	HA
	3	9.03.24	49.663	6.048	MNHN168316	HA
	1	8.07.24	50.031	5.976	MNHN168317	HA
	1	9.20.21	49.650	6.417	MNHN168491	HA
	1	6.08.22	49.728	6.347	MNHN168492	HA
	1	9.03.21	49.656	6.422	MNHN168493	HA
	1	10.4.21	50.114	5.936	MNHN168519	HA
	3	9.20.21	50.114	5.936	MNHN168525	HA
	2	9.20.21	50.099	6.097	MNHN168526	HA
	1	9.20.21	50.043	5.909	MNHN168527	HA
	1	6.14.21	50.027	6.059	MNHN168528	HA
	3	9.20.21	49.800	6.370	MNHN168953	HA
	1	9.20.21	49.817	6.352	MNHN168955	HA
	3	9.20.21	49.800	6.370	MNHN168953	HA
	2	7.12.21	49.809	6.292	MNHN168954	HA
	1	10.4.21	49.800	6.370	MNHN168957	HA
	1	9.20.21	49.809	6.292	MNHN168958	HA
	1	10.4.21	49.809	6.292	MNHN168959	HA
	1	7.26.21	50.114	5.936	MNHN168960	HA

	3	7.26.21	50.043	5.909	MNHN168963	HA
	1	5.05.25	49.645	6.024	MNHN173155	AH
	2	6.05.25	49.737	5.545	MNHN173164	AH
	1	6.05.25	49.743	5.537	MNHN173167	AH
	1	5.05.25	49.516	6.235	MNHN173178	AH
	1	5.05.25	49.908	6.187	MNHN173180	AH
	1	21.05.25	49.660	6.436	MNHN173198	AH
	1	22.05.25	49.908	6.187	MNHN173208	AH
	1	22.05.25	50.177	5.572	MNHN173217	AH
	1	28.05.25	49.719	6.093	MNHN173236	AH
	1	4.06.25	49.763	5.881	MNHN173245	AH
	1	4.06.25	49.716	5.627	MNHN173249	AH
	1	4.06.25	49.743	5.537	MNHN173251	AH
	1	17.06.25	49.522	5.835	MNHN174103	AH
	1	17.06.25	49.689	5.895	MNHN174105	AH
	2	4.07.25	49.643	6.037	MNHN178252	HA
	1	29.07.25	49.516	6.235	MNHN174880	HA
<i>Neoscia tenur</i>	3	6.07.22	49.728	6.347	MNHN164537	NB
	4	22.06.22	49.728	6.347	MNHN165764	HA
	1	14.06.21	50.114	5.936	MNHN168961	HA
	2	13.05.25	49.737	5.545	MNHN173212	AH
<i>Neoscia unifasciata</i>	4	11.05.23	49.678	5.941	MNHN150513	FB
	1	11.05.23	49.675	5.934	MNHN150581	NB
	11	30.05.23	49.678	5.941	MNHN150514	NB
	4	6.06.23	49.678	5.941	MNHN150536	NB
	3	9.06.23	49.678	5.941	MNHN150520	NB
	4	13.06.23	49.678	5.941	MNHN150537	NB
	5	21.06.23	49.678	5.941	MNHN150548	NB
	1	29.04.24	49.679	5.940	No reference	BA
	1	29.04.24	49.679	5.939	No reference	BA
	1	29.04.24	49.679	5.940	No reference	BA
	2	29.04.24	49.679	5.940	No reference	BA
	3	29.04.24	49.678	5.941	No reference	BA
	4	14.05.24	49.678	5.941	No reference	BA
	1	14.05.24	49.678	5.942	No reference	BA
	6	14.05.24	49.678	5.941	No reference	BA
	5	3.06.24	49.678	5.942	No reference	BA
	6	3.06.24	49.678	5.942	No reference	BA
	1	8.05.24	49.673	5.937	No reference	BA
	1	8.05.24	49.672	5.937	No reference	BA
	1	7.05.24	49.672	5.939	No reference	BA
	2	7.05.24	49.672	5.939	No reference	BA
	2	28.05.24	49.673	5.937	No reference	BA
	1	10.05.24	49.689	5.896	No reference	BA
	1	10.05.24	49.689	5.896	No reference	BA
	1	6.06.24	49.688	5.897	No reference	BA
	1	30.40.24	49.674	5.934	No reference	BA
	1	28.04.25	49.643	6.037	No reference	AH
	1	2.05.25	49.635	6.275	No reference	HA
	2	13.05.25	49.591	6.156	MNHN173188	AH
	2	12.05.25	49.522	5.835	MNHN173192	AH
	1	16.05.25	49.678	5.942	MNHN173194	AH
	1	12.05.25	49.921	6.230	MNHN173203	AH
	2	15.05.25	49.908	6.187	MNHN173204	AH
	1	15.05.25	49.689	5.895	MNHN173214	AH

	1	13.05.25	49.672	5.939	MNHN173215	AH
	1	28.04.25	49.591	6.156	No reference	TC
	1	12.05.25	49.635	6.275	No reference	AH
	7	13.05.25	49.921	6.230	No reference	AH
	6	15.05.25	49.908	6.187	No reference	TC
	1	15.05.25	49.672	5.939	No reference	TC
	1	12.05.25	49.678	5.942	No reference	TC
	9	12.05.25	49.909	5.846	No reference	TC
	4	19.05.25	50.177	5.572	No reference	BA
	1	15.05.25	49.723	6.620	No reference	BA
	1	21.05.25	50.132	6.129	No reference	TC
	11	20.05.25	49.711	6.441	No reference	TC
	8	20.05.25	49.440	5.617	No reference	HA
	1	20.05.25	49.909	5.846	MNHN173224	AH
	1	19.05.25	49.739	6.331	MNHN173228	AH
	1	12.05.25	49.711	6.441	MNHN173233	AH
	1	20.05.25	49.723	6.620	MNHN173239	AH
	1	21.05.25	50.132	6.129	MNHN173244	AH
	1	20.05.25	49.522	5.835	MNHN173255	AH
	1	5.06.25	49.739	6.331	MNHN174100	AH
	3	3.06.25	50.132	6.129	No reference	TC
	2	10.06.25	50.132	6.129	MNHN174108	AH
	9	10.06.25	49.711	6.441	No reference	TC
	3	10.06.25	49.711	6.441	MNHN174125	AH
	1	10.06.25	49.921	6.230	No reference	HA
	2	13.06.25	49.641	6.046	MNHN178249	HA
	1	25.06.25	49.672	5.939	No reference	HA
	1	16.06.25	49.678	5.942	No reference	TC
	19	13.06.25	49.908	6.187	No reference	TC
	2	25.06.25	49.643	6.037	No reference	HA

38 TABLE 2 Results of the delta AICc model comparisons carried out in this study for each Butterbur
39 dependent fen fly (Syrphidea: *Neoscia*), and their combined encounter rates. The local-scale
model includes the encounter rate of Butterbur-dependent fen flies not included in the response, pH,
elevation, *P. hybridus* stand area, and canopy openness; landscape-scale model includes crop cover,
tree cover density, grassland cover, and total road and waterway length; the spatial model includes
latitude and longitude; and the null model contains only an intercept; the full model has all of
the variables mentioned above. Sampling site was included as a random effect in all models. Only
the results of the models which had a delta AICc less than two were reported in this study.

Model	<i>Neoscia annexa</i>			<i>Neoscia obliqua</i>			<i>Neoscia unifasciata</i>			Combined		
	AICc	Delta	df	AICc	Delta	df	AICc	Delta	df	AICc	Delta	df
Full	135.3	0.09	11	656.8	0	12	217.8	0	12	696.6	0	11
Local	137	1.7	7	660.5	3.6	7	229.5	11.6	7	707.7	11	7
Landscape	137	1.9	8	663.7	6.9	8	226.8	9	8	710.8	14.2	8
Spatial	135.3	0	5	666.3	9.5	5	231.2	13.3	5	715.3	18.6	5
Null	136.4	1.1	3	693.7	36.8	2	268.6	50.7	2	797.9	61.2	2

40 TABLE 3 Name, location and area of the Butterbur stands (*Petasites hybridus*) considered in this study.
Additionally, the total number of the three target *Neoscia* species that were caught from each site is
shown.

Site	Latitude	Longitude	Area (m ²)	#N. <i>annexa</i>	#N. <i>obliqua</i>	#N. <i>unifasciata</i>
B_HIV_1	49.7158	5.6274	33	2	21	0
B_LRA_1	50.1768	5.5718	2104	4	14	1
B_Mar_1	49.7373	5.5445	40	1	2	0
B_Mar_2	49.7429	5.5369	96	0	14	0
B_Ste_1	50.1565	5.8941	6000	0	18	0
D_Hal_1	49.9335	6.3517	80	0	1	0
D_Kan_1	49.6719	6.5825	93	0	0	0
D_Löl_1	49.7234	6.6202	55	0	6	2
D_Oll_1	49.6735	6.7201	21	0	2	0
F_HaY_1	49.3399	6.1725	190	0	10	0
F_HeG_1	49.4093	6.1431	20	0	6	0
F_Lag_1	49.3771	6.1795	57	0	0	0
F_Las_1	49.5214	5.8360	52	0	18	2
F_Lon_1	49.4402	5.6171	1023	0	9	1
F_MSM_1	49.5433	5.8095	800	0	1	0
L_Asp_1	49.5163	6.2346	39	0	15	0
L_Bas_1	50.1387	5.9729	273	0	9	0
L_Bon_1	49.6067	6.1489	134	0	1	0
L_Bon_2	49.5923	6.1508	37	0	0	0
L_Bon_3	49.5909	6.1562	267	0	11	3
L_Dir_1	49.9200	6.0397	1731	0	16	0
L_Ett_1	49.8478	6.1158	312	0	5	0
L_Fel_1	49.6886	5.8949	376	0	28	1
L_Fou_1	49.9077	6.1871	47	0	6	4

L_Fou_2	49.9115	6.1868	233	0	2	0
L_Gey_1	49.7623	6.4112	35	0	2	0
L_Hei_1	49.6797	6.1594	130	0	3	0
L_Hem_1	49.7389	6.3314	57	0	10	1
L_Hol_1	49.7128	6.0529	70	0	28	0
L_Hon_1	50.0187	6.1294	15	0	2	0
L_Kal_1	50.1064	6.1312	105	1	5	0
L_Kau_1	49.9462	6.0256	901	0	26	0
L_Koe_1	49.6749	5.9337	321	0	23	0
L_Koe_2	49.6724	5.9377	1288	3	29	4
L_Koe_3	49.6780	5.9418	868	9	21	30
L_Kre_1	49.7049	5.9117	100	0	0	0
L_Lau_1	50.1319	6.1286	500	17	4	14
L_LHS_1	49.9095	5.8459	155	8	12	5
L_Mam_1	49.6452	6.0235	57	0	5	0
L_Mam_2	49.6427	6.0370	50	0	5	0
L_Mam_3	49.6414	6.0460	1	1	7	1
L_Man_1	49.7120	6.4428	290	0	9	14
L_Man_2	49.7109	6.4465	4	0	19	0
L_Mar_1	49.7530	6.2720	20	0	9	0
L_Mer_1	49.9678	5.9711	20	6	22	0
L_Mun_1	49.6354	6.2749	603	0	6	9
L_Obe_1	49.6590	6.4385	238	0	26	0
L_Obe_2	49.6601	6.4358	58	0	27	0
L_Ost_1	49.7992	6.3556	16	0	0	0
L_RsA_1	49.7625	5.8806	10	0	0	0
L_RsO_1	49.9207	6.2297	262	0	19	12
L_Sch_3	49.7190	6.0931	568	0	12	0
L_Sta_1	49.5621	6.3739	54	0	23	0
L_Wal_1	49.8066	6.3189	318	0	19	0