

Appendix 2. Summary of site-specific information on land use cover and colony size/nest box occupancy by year of the study. Shown are mean % and standard deviation of land use cover per site per year calculated from the land use relative cover surrounding Tree and Barn Swallow nests within a 500 m radius. This table also includes a summary of numbers of nestlings (nests) followed in 2020 and 2021, including nests that failed after laying at least one egg. For Tree Swallows, nest box occupancy (%) is also reported based on the percentage of boxes that were occupied.

Site	Year	Land use relative cover (500 m radius)			Barn Swallow	Tree Swallow	
		Standing water (%)	Annual row crop (%)	Perennial grasses (%)	Nestlings	Nestlings	Nest box occupancy
SSP01	2020	1.34 ± 0.16	3.28 ± 2.12	61.87 ± 4.81	23 (6)	25(4)	44
	2021	1.06 ± 0	4.40 ± 0	64.25 ± 0	-	5(1)	12
SSP02	2020	0.00 ± 0.01	27.68 ± 2.03	53.48 ± 0.94	34(7)	16(3)	
	2021	0.01 ± 0.02	27.13 ± 2.89	53.62 ± 1.69	32(7)	41(8)	89
SSP03	2020	1.16 ± 0.02	27.57 ± 3.28	58.42 ± 3.51	31(6)	18(4)	70
	2021	0.29 ± 0.03	27.43 ± 4.33	58.44 ± 4.49	37(8)	53(10)	100
SSP04	2020	0.01 ± 0.03	89.24 ± 2.78	10.42 ± 2.76	32(8)	18(3)	44
	2021	0.02 ± 0.04	89.14 ± 2.92	10.41 ± 2.81	23(7)	11(2)	22
SSP05	2020	1.22 ± 0.05	48.84 ± 2.80	33.14 ± 2.31	16(5)	32(6)	68
	-	-	-	-	-	-	-
SSP07	2020	0.088 ± 0	32.18 ± 3.36	63.48 ± 3.41	23(5)	16(3)	56
	2021	0.088 ± 0	32.70 ± 4.38	62.91 ± 4.48	14(3)	40(7)	78
SSP08	2020	4.76 ± 0.55	68.76 ± 1.67	16.55 ± 1.49	24(5)	29(5)	100
	2021	2.49 ± 0.12	70.21 ± 3.25	15.32 ± 2.96	17(4)	14(3)	29
SSP09	2020	9.07 ± 0.26	62.01 ± 3.68	18.87 ± 3.82	43(9)	25(5)	56
	2021	8.27 ± 0.23	59.97 ± 4.95	20.99 ± 5.14	35(7)	54(9)	100
SSP10	2020	1.19 ± 0.14	80.45 ± 1.56	10.48 ± 0.70	12(3)	37(6)	67
	2021	0.63 ± 0.44	75.00 ±	15.19 ± 13.84	13(3)	39(8)	89
SSP11	2020	5.69 ± 0.85	14.31 ±	48.63 ± 5.59	26(6)	28(5)	89*
	2021	5.61 ± 0.85	14.59 ± 7.52	48.57 ± 5.44	28(6)	26(5)	40*
SSP12	2020	0 ± 0	7.22 ± 3.61	84.0 ± 3.88	7(2)	21(4)	75
	2021	-	-	-	-	-	-
SSP13	2020	4.56 ± 2.23	27.04 ± 3.65	53.18 ± 4.12	56(12)	45(8)	70
	2021	3.15 ± 1.99	26.60 ± 3.54	52.32 ± 6.74	36(8)	45(8)	80
SSP14	2020	-	-	-	-	-	-
	2021	9.14 ± 1.97	2.54 ± 0.57	61.66 ± 1.20	58(13)	33(6)	75
SSP15	2020	-	-	-	-	-	-
	2021	0 ± 0	61.92 ± 8.89	31.74 ± 8.68	11(3)	4(2)	12
SSP16	2020	-	-	-	-	-	-
	2021	0.84 ± 0	85.88 ± 0	6.12 ± 0	26(6)	-	-
SSP17	2020	-	-	-	-	-	-
	2021	0 ± 0	94.64 ± 0.18	0.24 ± 0	17(5)	21(4)	44
All		3.0 ± 3.4	41.6 ± 28.0	40.6 ± 21.9	25 ± 12.9	25 ± 13.9	61.7 ± 27.1

(*) indicates the only site where a Tree Swallow colony was previously established, and where the number of boxes available was >20.