

## **Appendix #2**

Functional connectivity of managed forest landscapes for the Ovenbird: an experimental assessment of within-patch movement behavior – *Avian Conservation and Ecology*, 2021

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Table A.2.1 Description of the data presented in Table A2.2

Variable	Description
Cover Type	Forest-cover type of release areas; untreated mature deciduous forest stands, partially-harvested deciduous forest stands and conifer plantations
Site	Release area, three per cover type
Julian Day (Jul_Day)	Day of translocation
Time of Capture (Capt_Time)	Time elapsed between sunrise and capture of the individual (min)
ID	Bird ID
Observer (Obs)	Observer who performed the monitoring of the homing
Time of release (Rel_Time)	Time elapsed between sunrise and release of the individual (min)
Return Time	Time elapsed between release and arrival within 50 m from its capture site, when released in untreated forest, or when it reached the untreated forest edge, when released in one of the other forest-cover types. Unsuccessful individuals were assigned 300 (min)
Return	Whether or not the individual returned to its capture site within 5 hours (1:yes, 0:no)
Handling Time (Handl_Time)	Time elapsed between capture and release (min)
IST	Inverse Straightness Index; total length of the path followed by the individual $L$ divided by the Euclidean distance between the release and capture sites ( $d$ )
Global Speed (Glob_Speed)	Total path length $L$ divided by the total time elapsed between release and arrival, or 5 hours if the individual did not return to the capture site (m/min)

Table A.2.2 Data used to compute the Cox regression models and randomization tests to characterize homing movement patterns.

Site	Cover_Type	Jul_Day	Capt_time	ID	Obs	Rel_time	Return_Time	Return	Handl_time	IST	Glob_Speed
F	Untreated	144	108	1	5	187	300	0	79	8.19	2.29
F	Untreated	169	260	2	5	314	300	0	54	1.39	1.31
F	Untreated	169	98	3	6	193	300	0	95	1.23	0.25
F	Untreated	157	127	4	5	199	300	0	72	3.45	0.44
F	Untreated	157	311	5	4	390	300	0	79	4.52	1.43
F	Untreated	157	84	6	6	162	300	0	78	3.07	1.86
G	Untreated	153	127	7	5	196	113	1	69	1.37	6.59
G	Untreated	167	129	8	3	199	300	0	70	1.49	0.93
G	Untreated	153	106	9	4	199	300	0	93	4.62	0.8
G	Untreated	153	328	10	5	381	156	1	53	1.16	3.72
G	Untreated	167	126	11	5	223	300	0	97	1.97	1.44
G	Untreated	167	90	12	4	154	212	1	64	1.08	2.46
H	Untreated	162	119	13	6	216	300	0	97	2.05	0.40
H	Untreated	162	114	14	5	191	300	0	77	1.75	0.8
H	Untreated	146	177	15	5	251	278	1	74	1.97	3.55
H	Untreated	162	122	16	4	193	300	0	71	7.39	1.01
H	Untreated	162	109	17	3	221	300	0	112	NA	NA
H	Untreated	146	111	18	6	206	300	0	95	17.02	3.01
I	Conif. Plant.	168	111	19	6	204	300	0	93	3.59	1.05
I	Conif. Plant.	168	117	20	3	176	187	1	59	1.76	4.71
I	Conif. Plant.	154	165	21	3	220	56	1	55	NA	NA
I	Conif. Plant.	154	133	22	4	193	300	0	60	2.54	2.28
I	Conif. Plant.	168	124	23	4	209	146	1	85	1.41	4.64

J	Conif. Plant.	163	174	24	5	237	300	0	63	2.52	1.07
J	Conif. Plant.	149	124	25	3	216	140	1	92	1.64	5.64
J	Conif. Plant.	149	115	26	4	220	109	1	105	1.11	5.37
J	Conif. Plant.	172	92	27	3	142	75	1	50	2.17	14.82
J	Conif. Plant.	163	119	28	6	193	162	1	74	1.22	3.78
J	Conif. Plant.	172	108	29	4	190	100	1	82	1.49	4.96
J	Conif. Plant.	163	89	30	3	156	153	1	67	1.70	5.30
K	Conif. Plant.	159	110	31	3	201	72	1	91	1.29	7.84
K	Conif. Plant.	159	263	32	4	339	119	1	76	2.03	5.76
K	Conif. Plant.	171	99	33	4	193	300	0	94	3.28	1.96
K	Conif. Plant.	171	249	34	5	340	300	0	91	1.25	1.52
K	Conif. Plant.	171	210	35	6	300	300	0	90	1.14	0.42
K	Conif. Plant.	145	95	36	6	195	300	0	100	1.04	1.39
L	Partial Harvest	147	127	37	3	236	300	0	109	1.70	2.25
L	Partial Harvest	160	142	38	3	208	300	0	66	2.42	1.22
L	Partial Harvest	160	119	39	4	165	300	0	46	5.37	0.88
L	Partial Harvest	147	137	40	5	247	300	0	110	1.43	0.57
L	Partial Harvest	147	109	41	4	232	300	0	123	7.77	2.51
L	Partial Harvest	160	167	42	6	281	300	0	114	2.5	0.37
M	Partial Harvest	152	103	43	5	197	175	1	94	2.44	6.77
M	Partial Harvest	152	325	44	3	384	255	0	59	2.17	1.78
M	Partial Harvest	152	105	45	6	185	107	1	80	1.35	6.26
M	Partial Harvest	166	224	46	4	297	106	1	73	1.19	5.05
M	Partial Harvest	166	137	47	5	234	300	0	97	2.49	0.89
M	Partial Harvest	152	122	48	3	197	74	1	75	1.00	6.78
N	Partial Harvest	170	92	49	6	170	127	1	78	1.29	4.85
N	Partial Harvest	170	173	50	3	271	300	0	98	2.00	0.79

N	Partial Harvest	170	224	51	5	309	300	0	85	2.25	1.02
N	Partial Harvest	156	176	52	5	275	300	0	99	1.82	0.89
N	Partial Harvest	156	137	53	3	213	300	0	76	1.48	1.02
N	Partial Harvest	170	178	54	4	273	300	0	95	11.76	2.47
I	Conif. Plant.	157	164	55	1	241	300	0	77	NA	NA
I	Conif. Plant.	152	130	56	1	190	198	1	60	NA	NA
F	Untreated	156	330	57	3	373	300	0	43	NA	NA
F	Untreated	155	127	58	1	187	101	1	60	NA	NA
I	Conif. Plant.	154	144	59	2	223	300	0	79	NA	NA
F	Untreated	156	107	60	2	175	80	1	68	NA	NA