

Appendix 1. Model sets comparing different detection predictor variables for each bird group, with the full dataset and with just coffee points. Presented are the models, number of parameters (K), Akaike’s Information Criterion value corrected for small sample sizes (AICc), difference in AICc from the top model (Δ AICc), and model weight (MW).

GWWA M All Points

	K	AIC _c	Δ AIC _c	MW
WindPlaybackTime	6	1204	0	0.91
WindPlayback	5	1209.4	5.42	0.06
WindTime	4	1211.8	7.81	0.02
Playback	4	1215.4	11.35	0
Time	3	1216.1	12.12	0
Wind	3	1217.3	13.24	0
WindRiver	4	1217.6	13.59	0
WindDate	4	1219.4	15.36	0
WindSky	4	1219.4	15.38	0
River	3	1223.1	19.04	0
Null	2	1223.2	19.17	0
Sky	3	1224.8	20.74	0
Date	3	1225	20.93	0

GWWA M Just Coffee Points

	K	AIC _c	Δ AIC _c	MW
WindPlaybackTimeRiver	7	621.64	0	0.45
WindPlaybackRiver	6	622.24	0.6	0.33
WindRiver	4	624.29	2.65	0.12
River	3	625.35	3.71	0.07
Wind	8	627.7	6.05	0.02
WindPlaybackTime	6	632.62	10.97	0
WindPlayback	5	633.65	12.01	0
WindTime	4	634.57	12.93	0
Time	3	635.48	13.84	0
Playback	4	635.52	13.88	0
WindDate	4	636.67	15.03	0
WindSky	4	637.02	15.38	0
Null	2	637.82	16.18	0

Date	3	638.21	16.57	0
Sky	3	638.69	17.05	0

GWWA F All Points

	K	AIC _c	ΔAIC _c	MW
WindPlaybackSky	6	137.18	0	0.58
WindSky	4	138.37	1.19	0.32
WindPlayback	5	143.35	6.17	0.03
Wind	3	144.48	7.3	0.02
WindDate	4	144.89	7.7	0.01
Sky	3	145.1	7.92	0.01
WindTime	4	145.27	8.09	0.01
WindRiver	4	145.58	8.4	0.01
Playback	4	146.96	9.77	0
Null	2	148.07	10.89	0
Time	3	149.28	12.1	0
River	3	149.68	12.5	0
Date	3	149.88	12.7	0

GWWA F Just Coffee Points

	K	AIC _c	ΔAIC _c	MW
WindPlaybackSky	6	116.81	0	0.5
WindSky	4	117.33	0.52	0.38
WindPlayback	5	122.79	5.98	0.03
Wind	3	123.29	6.48	0.02
WindDate	4	123.76	6.95	0.02
Sky	3	123.81	7	0.01
WindTime	4	124.18	7.37	0.01
WindRiver	4	124.73	7.92	0.01
Playback	4	125.02	8.21	0.01
Null	2	125.65	8.84	0.01
Time	3	127	10.19	0
Date	3	127.24	10.43	0
River	3	127.51	10.7	0

BWWA All Points

	K	AIC _c	ΔAIC _c	MW
WindRiverDateTime	6	287.94	0	0.73
WindRiverDateTimeSky	7	290.18	2.24	0.24
WindRiverTime	5	293.98	6.04	0.04
WindRiverDate	5	313.11	25.17	0
WindRiver	4	313.86	25.92	0
WindDate	4	327.08	39.14	0
WindSky	4	328.06	40.12	0
Wind	3	329.64	41.7	0
WindTime	4	330.45	42.51	0
WindPlayback	5	332.53	44.59	0
River	3	337.48	49.54	0
Time	3	343.81	55.87	0
Null	2	345.21	57.27	0
Sky	3	347.33	59.38	0
Date	3	347.33	59.39	0
Playback	4	348.07	60.13	0

BWWA Just Coffee Points

	K	AIC _c	ΔAIC _c	MW
Wind	3	170.17	0	0.35
WindTime	4	171.51	1.34	0.18
WindDate	4	172.21	2.05	0.13
WindSky	4	172.22	2.05	0.13
WindRiver	4	172.54	2.37	0.11
WindPlayback	5	172.64	2.48	0.1
Time	3	179.14	8.97	0
Null	2	179.15	8.99	0
Sky	3	180.77	10.61	0
Date	3	180.91	10.74	0
River	3	181.29	11.13	0
Playback	4	181.47	11.3	0