

Appendix 4.

Estimates of total detection probability (p estimate) within a 100 m radius circle, estimate of sigma for the negative-exponential detection function, and the total number of distances within a 250 m radius used to fit each detection model (n), for the winter models. We provide 95% Bayesian credible intervals (BCI). Note that because detection model estimates vary little between OHV only and trails only models, we only provided a single estimate of each parameter from the OHV trail model.

Species	p estimate (95% BCI)	Sigma estimate (m) (95% BCI)	n
ACWO	0.25 (0.09 , 0.44)	41.01 (20.40 , 72.70)	60
BEWR	0.15 (0.05 , 0.31)	27.82 (15.38 , 48.81)	47
CALT	0.13 (0.03 , 0.28)	24.43 (11.25 , 43.94)	34
CATH	0.19 (0.07 , 0.37)	32.97 (17.84 , 57.97)	26
CORA	0.37 (0.15 , 0.60)	62.28 (27.57 , 117.20)	26
DEJU	0.12 (0.04 , 0.27)	23.87 (13.28 , 42.57)	47
GCSP	0.08 (0.02 , 0.20)	18.51 (9.04 , 33.79)	23
HETH	0.09 (0.02 , 0.22)	20.00 (9.48 , 36.65)	34
NOFL	0.33 (0.14 , 0.55)	54.12 (26.31 , 101.85)	52
OATI	0.15 (0.07 , 0.30)	28.05 (17.38 , 46.57)	67
RCKI	0.08 (0.02 , 0.19)	18.80 (9.69 , 32.70)	54
SPTO	0.14 (0.05 , 0.30)	26.56 (14.99 , 46.49)	78
STJA	0.22 (0.09 , 0.41)	36.68 (20.62 , 64.80)	53
WBNU	0.23 (0.06 , 0.43)	38.87 (15.91 , 70.47)	23
WEBL	0.21 (0.08 , 0.38)	35.40 (18.20 , 60.86)	46
CASJ	0.24 (0.11 , 0.41)	39.98 (23.14 , 64.98)	158
WREN	0.32 (0.13 , 0.56)	54.07 (25.50 , 104.50)	127
YRWA	0.11 (0.03 , 0.24)	22.41 (11.74 , 38.49)	26