

Appendix 6.

Bayesian p-values for all formulations of detection covariates for winter community models. Values closer to 0.5 indicate better fit. Detection covariates are as follows: none – only an intercept was included; time – hours after sunrise for the day of survey; year – categorical effect of year of survey, which was intended as a stand-in for observer effect; hab – categorical effect of habitat class, which was identical to the habitat covariate included in the final model; and trail – the area covered by all trails within 100 m of each survey point center in OHV use areas.

Covariates	Bayesian P-value	Distance from 0.5
year + trail	0.20	0.30
time + year + hab	0.19	0.31
time + year + trail	0.19	0.31
year	0.19	0.31
year + hab + trail	0.19	0.31
time + year	0.17	0.33
year + hab	0.17	0.33
hab + trail	0.11	0.39
time + hab + trail	0.11	0.39
time + trail	0.11	0.39
trail	0.09	0.41
time	0.08	0.42
none	0.07	0.43
hab	0.06	0.44
time + hab	0.06	0.44