

Priadka, P., Brown, G. S., Patterson, B. R. and Mallory, F. F.
2020. Sex and age-specific differences in the performance of
harvest indices as proxies of population abundance under
selective harvesting. – Wildlife Biology 2020: wlb.00629

Appendix 1

Table A1. Pearson's correlation values for all pairs of predictor variables included in model selection of moose bull, cow and calf harvest. Only abundance and effort variables varied by sex and age-class. All values reflect samples for WMU and years included in the study (n = 216).

Bull									
	Abundance	Effort	Max temp	Precipitation	Dense	Sparse	Mixed-deciduous	Disturbance	Roads
Abundance	1.00	-	-	-	-	-	-	-	-
Effort	0.63	1.00	-	-	-	-	-	-	-
Max	-0.21	-0.16	1.00	-	-	-	-	-	-
Precipitation	-0.14	-0.11	0.01	1.00	-	-	-	-	-
Dense	-0.01	0.08	-0.22	-0.14	1.00	-	-	-	-
Sparse	-0.05	-0.21	0.04	-0.02	-0.35	1.00	-	-	-
Mixed-deciduous	0.05	0.19	0.32	0.09	-0.11	-0.05	1.00	-	-
Disturbance	0.37	0.37	-0.18	-0.09	-0.02	-0.26	0.10	1.00	-
Roads	0.42	0.53	0.19	-0.01	0.04	-0.02	0.35	0.23	1.00

Cow									
	Abundance	Effort	Max temp	Precipitation	Dense	Sparse	Mixed-deciduous	Disturbance	Roads
Abundance	1.00	-	-	-	-	-	-	-	-
Effort	0.53	1.00	-	-	-	-	-	-	-
Max	-0.15	-0.08	1.00	-	-	-	-	-	-
Precipitation	-0.13	-0.05	-	1.00	-	-	-	-	-
Dense	-0.05	-0.04	-	-	1.00	-	-	-	-
Sparse	-0.05	-0.11	-	-	-	1.00	-	-	-
Mixed-deciduous	0.10	0.18	-	-	-	-	1.00	-	-
Disturbance	0.42	0.30	-	-	-	-	-	1.00	-
Roads	0.50	0.32	-	-	-	-	-	-	1.00

Calf									
	Abundance	Effort	Max temp	Precipitation	Dense	Sparse	Mixed-deciduous	Disturbance	Roads
Abundance	1.00	-	-	-	-	-	-	-	-
Effort	0.45	1.00	-	-	-	-	-	-	-
Max	-0.11	0.19	1.00	-	-	-	-	-	-
Precipitation	-0.16	0.06	-	1.00	-	-	-	-	-
Dense	0.04	-0.07	-	-	1.00	-	-	-	-
Sparse	0.03	-0.01	-	-	-	1.00	-	-	-
Mixed-deciduous	0.08	0.58	-	-	-	-	1.00	-	-
Disturbance	0.24	0.18	-	-	-	-	-	1.00	-
Roads	0.43	0.61	-	-	-	-	-	-	1.00

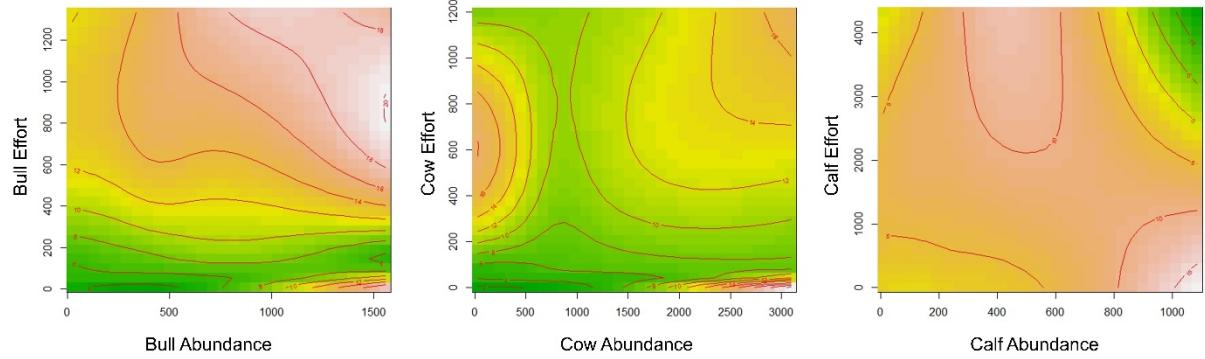


Figure A1. The interaction effects between abundance and effort on moose bull, cow, and calf harvest. Contour lines represent strength in interaction (with numbers indicating positive or negative interaction effects) on the response (harvest). Colours aid in visualizing the strength in the effects, with yellow, pink and white reflecting increasingly strong interaction effects and green reflecting relatively weak interaction effects. Axes are based on un-transformed values of each variable.