Diverse migratory portfolios drive inter-annual switching behavior of elk across the Greater Yellowstone Ecosystem

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Ecosphere

Appendix S3

	Int.	Win. range prop. dev : herd-lvl. mig. div.	herd-lvl. mig. div.	Win. range prop. dev	Spr. mig. range prop. dev	F.g. access	Mean days-from-peak green-up	k	logLik	AICc	Delta	AICc Weight	MCC
Top-ranked	-0.55	3.13* (-5.723, -1.302)	-0.56* (-1.0023, -0.142)	-3.31* (1.171, 5.451)	—	—	—	4	-68.42	145.23	0	0.15	0.21
Null	-0.49	—	—	—	—	—	—	1	-71.70	145.44	0.21	—	0
Model2	-0.50	—	—	-0.17	—	—	—	2	-71.37	146.85	1.62	0.07	0
Model5	-0.49	—	—	—	—	—	-0.16	2	-71.38	146.88	1.65	0.07	0
Model 3	-0.49	—	—	—	0.15	—	—	2	-71.43	146.97	1.74	0.06	0.12
Model 4	-0.49	—	—	—	—	-0.12	—	2	-71.53	147.18	1.95	0.06	0

Table S1. Model selection table of the six competitive models for switching from an elevational migrant tactic. * indicates informative covariates with 85% confidence intervals that do not overlap 0 (Arnold, 2010).

	Int.	Spr. mig. range prop. dev. : herd-lvl. mig. div.	Herd-lvl. mig. div.	Spr. mig. range prop. dev.	k	logLik	AICc	Delta	AICc Weight	MCC
Top-ranked	-3.31	-3.48	0.88* (0.534, 1.253)	-0.73	4	-92.45	193.06	0	0.97	0.25

Table S2. Model selection table of the one competitive model for switching from a short distance migrant tactic. * indicates informative covariates with 85% confidence intervals that do not overlap 0 (Arnold, 2010).

	Int.	Max. snow : herd-lvl. mig. div.	Herd-lvl. mig. div.	Max. snow on win. range	Spr. mig. range prop. dev.	Mean days-from-peak green-up	k	logLik	AICc	Delta	AICc Weight	MCC
Top-ranked	-1.69	-3.63* (-5.737, -1.717)	2.37* (1.11, 3.725)	3.30* (1.482, 5.224)	—	—	4	-39.62	87.70	0	0.17	0.31
Model 21	-1.56	—	—	-0.50* (-1.029, -0.029)	0.59* (0.203, 1.075)	—	3	-41.21	88.70	1.00	0.10	0.12
Model 3	-1.50	—	—	—	0.39* (0.06, 0.79)	—	2	-42.39	88.91	1.21	0.09	0.12
Model 20	-1.54	—	—	—	0.42* (0.083, 0.828)	0.32	3	-41.46	89.20	1.50	0.08	0.31
Null	-1.47	—	—	—	—	—	1	-43.82	89.69	1.99	—	0

Table S3. Model selection table of the five competitive models for switching from a long distance migrant tactic. * indicates informative covariates with 85% confidence intervals that do not overlap 0 (Arnold, 2010).