

Supplementary Materials

Table S1. Regression models of moose harvest (t) against moose harvest (t-1)[ml], wolf harvest (t-1) [wll], wolf harvest (t-2) [wl2] , wolf harvest (t-3) [wl3], wolf harvest (t-4) [wl4], and wolf harvest (t-5) [wl5] for GMU 13, south-central Alaska, USA, 1973-2020. Coefficients marked "*" had 85% confidence intervals overlapping 0. In addition to model coefficients, model r^2 values, Durbin-Watson statistics (DW), conditional AIC (AICc), and AIC weights (w) are provided.

Model	B ₀	ml	wll	wl2	wl3	wl4	wl5	r^2	DW	AICc	w
ml	433.0	0.475						0.210	2.060	498.8	0.463
ml,wll	563.5	0.425	-0.758					0.236	2.108	498.5	0.537
ml,wl2	547.8	0.423		-0.609*				0.220	2.072	499.5	
ml,wl3	550.2	0.422			-0.640*			0.219	2.058	499.6	
ml,wl4	543.0	0.429				-0.629*		0.220	2.072	499.5	
ml,wl5	539.4	0.421					-0.629*	0.223	2.023	499.4	

Table S2. Regression models of moose harvest (t) against moose harvest (t-1)[ml], wolf harvest (t-1) [wl1], wolf harvest (t-2) [wl2] for subunits A, B, C, and E of GMU 13, south-central Alaska, USA, 1983-2020. Coefficients marked "*" had 85% confidence intervals overlapping 0. In addition to model coefficients, model r^2 values, Durbin-Watson statistics (DW), conditional AIC (AICc), and AIC weights (w) are provided.

Model	B ₀	ml	wl1	wl2	r^2	DW	AICc	w
ml	52.9	0.717			0.505	2.176	1170.8	0.378
ml,wl1	69.6	0.700	-0.483		0.512	2.204	1169.8	0.622
ml,wl2	58.3	0.710		-0.144*	0.502	2.154	1172.7	

Table S3. Regression model of moose harvest (t) against moose harvest (t-1)[ml] for subunit D of GMU 13, south-central Alaska, USA, 1983–2020. In addition to model coefficients, model r^2 value, and Durbin-Watson statistic (DW) are provided.

Model	B_0	ml	r^2	DW
ml	43.4	0.457	0.180	2.202

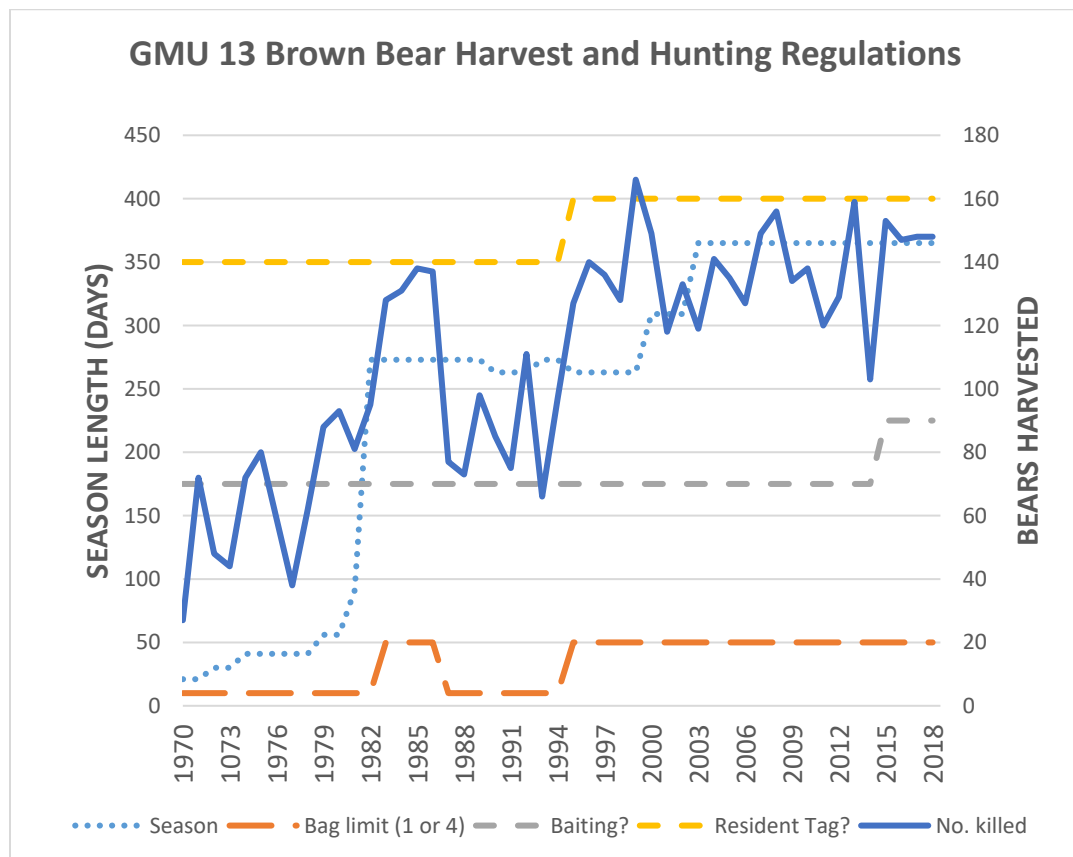


Figure S1. Trends in annual number of brown bears harvested in GMU 13 overlain on extant hunting regulations. Bag limit (annual quota) is either 1 per every 4 years (lower horizontal line) or 1 per year (upper line), baiting allowed is either “no” (lower horizontal line) or “yes” (upper line), hunting tag (US \$25 for residents) is either “yes” (lower horizontal line) or “no” (upper line), season is number of days open for hunting.