

Ecography

ECOG-03971

le Roux, E., Marneweck, D. G., Clinning, G., Druce, D. J., Kerley, G. I. H. and Cromsigt, J. P. G. M. 2019. Top-down limits on prey populations may be more severe in larger prey species, despite having fewer predators. – Ecography doi: 10.1111/ecog.03971

Supplementary material

Appendix 1

Table A1: Annual management removals of species expressed as a percentage of the total park-wide population. Highlighted cells represent the years in which the removal quota exceeded 5%

<i>Year</i>	<i>Warthog</i>	<i>Impala</i>	<i>Nyala</i>	<i>Wildebeest</i>	<i>Zebra</i>	<i>Buffalo</i>	<i>WhiteRhino</i>
1986	0.00%	0.00%	0.05%	0.15%	0.00%	0.06%	2.99%
1987	0.00%	0.02%	0.16%	0.24%	1.78%	0.25%	1.21%
1988	0.00%	0.09%	0.54%	0.67%	0.00%	0.19%	1.65%
1989	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	4.94%
1990	-1.00%	-1.13%	0.85%	3.19%	2.58%	0.33%	4.77%
1991	0.00%	0.78%	1.16%	-0.73%	-1.21%	0.56%	7.59%
1992	-0.94%	-1.32%	1.56%	-3.55%	-3.22%	0.23%	3.56%
1993	0.00%	-0.63%	2.66%	-1.01%	-0.76%	1.47%	9.50%
1994	0.34%	2.74%	1.39%	0.04%	0.12%	1.40%	7.41%
1995	0.57%	3.23%	2.07%	0.12%	0.00%	9.92%	3.29%
1996	0.94%	5.07%	2.55%	0.00%	2.08%	9.08%	10.54%
1997	3.07%	5.78%	3.93%	0.00%	0.75%	7.24%	3.81%
1998	2.61%	5.28%	5.95%	0.00%	1.49%	13.46%	3.05%
1999	1.21%	3.68%	2.35%	-3.74%	0.70%	5.94%	1.43%
2000	2.05%	2.70%	2.75%	0.04%	0.07%	3.30%	1.75%
2001	2.45%	4.87%	11.05%	0.76%	0.79%	14.30%	3.06%
<i>Pre-2002 average</i>	0.71%	1.95%	2.44%	-0.24%	0.32%	4.24%	4.41%
2002	3.67%	3.52%	5.55%	0.39%	0.21%	8.38%	1.25%
2003	3.88%	3.80%	4.45%	0.21%	1.46%	4.15%	5.44%
2004	1.56%	2.95%	3.37%	0.76%	1.44%	1.13%	3.63%
2005	2.91%	1.28%	3.69%	0.17%	0.03%	2.57%	2.84%
2006	1.50%	1.72%	3.80%	0.23%	0.07%	1.34%	2.07%
2007	0.57%	2.06%	4.50%	0.23%	0.06%	2.13%	3.61%
2008	0.40%	0.52%	1.07%	0.52%	0.03%	0.76%	1.31%
2009	0.10%	1.57%	3.42%	1.61%	0.46%	0.12%	2.11%
2010	0.24%	2.49%	1.41%	2.83%	1.55%	0.04%	2.00%
2011	0.33%	0.40%	1.05%	0.06%	0.03%	0.24%	2.54%
2012	0.46%	0.37%	0.30%	0.50%	0.06%	1.00%	4.43%
2013	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.83%
2014	0.00%	0.77%	0.00%	0.00%	0.00%	0.15%	4.71%
<i>Since 2002 average</i>	1.20%	1.65%	2.51%	0.58%	0.42%	1.69%	3.06%

Before predator population recovery

Since predator population recovery