

1 **Elephant rewilding affects landscape openness and fauna habitat across a 92-year period**

2 *Christopher E Gordon*<sup>1,2</sup>, *Michelle Greve*<sup>3</sup>, *Michelle Henley*<sup>4,5</sup>, *Anka Bedetti*<sup>5</sup>, *Paul Allin*<sup>6</sup> and *Jens-*  
3 *Christian Svenning*<sup>1</sup>

4 1. Centre for Biodiversity Dynamics in a Changing World and Section for Ecoinformatics and  
5 Biodiversity, Department of Biology, Aarhus University, 8000 Aarhus C, Denmark

6 2. Hawkesbury Institute for the Environment, Western Sydney University, Locked Bag 1797,  
7 Penrith, NSW 2751, Australia

8 3. Department of Plant and Soil Sciences, University of Pretoria, 0028, Pretoria, South Africa

9 4. Applied Behavioural Ecology and Ecosystem Research Unit, School of Environmental Sciences,  
10 University of South Africa, South Africa

11 5. Elephants Alive, Mica village, 1382, Mica, South Africa

12 6. Transfrontier Africa, Hoedspruit, 1380, South Africa

13 ***Appendix S1***

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16 **Appendix S1. Annual fauna counts and biomass estimates for three nature reserves included in the study.**

17 **Table S1:** Annual fauna counts (number of individuals) and biomass estimates relative to reserve area (kg per km<sup>2</sup>) for thirteen common  
 18 herbivore species observed within three nature reserves with different management histories: Balule Nature Reserve (BNR; elephants  
 19 present, opened to Kruger National Park), Balule Nature Reserve “Buffer Zone” (BNR Buffer Zone; elephants absent, closed to Kruger  
 20 National Park) and Greater Makalaili Private Nature Reserve (GMPNR; elephants present, closed to Kruger National Park). Fauna counts  
 21 were made using aerial census records in 2017 (GMPNR) and 2018 (BNR, BNR Buffer Zone).

Species	Species name	Weight	Reserve								
			BNR			BNR “Buffer Zone”			GMPNR		
			Count	Biomass(B)	B/km <sup>2</sup>	Count	Biomass(B)	B/km <sup>2</sup>	Count	Biomass(B)	B/km <sup>2</sup>
Blue	<i>Connochaetes</i>										
Wildebeest	<i>taurinus</i>	180	107	19260	34	6	1080	360	248	44640	213
Cape											
buffalo	<i>Syncerus caffer</i>	580	238	138041	247	0	0	0	0	0	0
	<i>Tragelaphus</i>										
Bushbuck	<i>sylvaticus</i>	43	25	1081	2	4	173	58	50	2163	10
	<i>Sylvicapra</i>										
Duiker	<i>grimmia</i>	19	61	1189	2	8	156	52	16	312	1

<i>Loxodonta</i>											
Elephant	<i>africana</i>	4400	565	2486000	4447	0	0	0	68	299200	2850
<i>Giraffa</i>											
Giraffe	<i>camelopardalis</i>	900	268	241199	431	7	6300	2100	121	108899	519
<i>Hippopotamus</i>											
Hippo	<i>amphibius</i>	1417	116	164429	294	4	5670	1890	34	48195	229
<i>Aepyceros</i>											
Impala	<i>melampus</i>	53	10164	533611	955	70	3675	1225	1271	66728	318
<i>Tragelaphus</i>											
Kudu	<i>strepsiceros</i>	214	695	148383	265	5	1068	356	205	43768	208
<i>Tragelaphus</i>											
Nyala	<i>angasii</i>	87	39	3377	6	0	0	0	84	7274	35
<i>Phacochoerus</i>											
Warthog	<i>africanus</i>	83	240	19800	35	0	0	0	29	2393	11
<i>Kobus</i>											
Waterbuck	<i>ellipsiprymnus</i>	210	341	71610	128	7	1470	490	47	9870	47
Zebra	<i>Equus quagga</i>	175	297	51975	93	2	350	117	312	54600	260
<b>Total</b>			<b>13156</b>	<b>3879955</b>	<b>6941</b>	<b>113</b>	<b>19941</b>	<b>6647</b>	<b>2485</b>	<b>688041</b>	<b>4701</b>

