

The reintroduction of large carnivores to the Eastern Cape, South Africa: an assessment

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Appendix Numbers of individual lion, cheetah, leopard, brown hyaena, serval, African wild dog, and spotted hyaena reintroduced to 11 sites (site numbers refer to locations in Fig. 1B; Table 1) in the Eastern Cape, with their origin or destination (if known or reported) and the known population in 2005, arranged

Species/site ¹	Year	Event	Origin/destination ¹	2005 population
Lion				
10. Scotia GR	1996 1999 2002 2003 2005	Reintroduced: 3 subadult males & 3 subadult females Removed & sold: 2 subadult females Births: 3 (all removed & sold) Births: 4 (2 females removed & sold; 2 males retained) Births: 2 (all removed & sold) Births: 2 (all removed & sold) Removed & sold: 1 adult male & 2 subadult males	Shamwari captive breeding centre	
11. Shamwari GR	2000	Births: 2 (still present) Reintroduced: 2 adult males & 4 adult females in 2 groups	Wild caught from Madikwe/Pilanesberg	5
	2001 2002 2004	Births: 3 (1 died) Births: 4 Births: 6 (1 died)		
6. Kwandwe GR	2005	Removed: 7 adults & sub-adults Reintroduced: 2 adult males & 2 adult females	Other Eastern Cape reserves Wild caught from Madikwe/Pilanesberg	15
	2001 2002 2003	Births: 5 male & 1 female Births: 4 (all died)		
	2004	Births: 1 male, 1 female Births: 2 (1 male, 1 female; 1 died)		
1. Addo Elephant NP	2003	Births: 3 (all died) Reintroduced: 6 (two groups of 1 adult male, 1 subadult male & an adult or subadult female held in bomas in N & S of Park)	Wild caught from the Kalahari Gemsbok NP	12
	2004	Births: unknown number to the older lioness but all died within 2 weeks of birth; suspected infanticide by subadult male		
	2005	Births: unknown number to the older lioness but all died within 2 months of birth Births: at least 2 from youngest lioness; all died after repeated agonistic encounters with the older lioness Births: 3 (1 male, 2 females) to oldest lioness; all alive at Apr. 2006		9

Appendix (continued)

Species/site ¹	Year	Event	Origin/destination ¹	2005 population
7. Lalibela GR	2003	Reintroduced: 2 subadult males, 1 subadult female		
	2004	Births: 2 males Removed: 1 adult male		
	2004	Reintroduced: 1 adult male, 2 adult females	Wild caught from Kalahari region & Kapama GR	4
8. Pumba PGR	2006	Reintroduced: 1 adult male, 2 adult female captive bred white lions		6
5. Kariega GR	2004	Reintroduced: 2 adult males, 2 adult females		4
	2004	Reintroduced: 2 adult males, 2 adult females		56
<i>Total lion population</i>				
Cheetah	2000	Reintroduced: 2 adult males		
	2002	Reintroduced: 1 adult female Deaths: 2		
11. Shamwari GR	2003	Reintroduced: 7 (2 adult males, 2 adult females, 1 subadult female, 1 young male & 1 young female) Deaths: 1		
	2004	Deaths: 2 adults		
6. Kwandwe GR	2004	Births: 2		7
	2005	Reintroduced: 6 (4 adult males, 2 adult females)	Wild caught from Phinda Resource Reserve & Limpopo farmland	
9. Samara PGR	2001	Deaths: 1 Reintroduced: 3 (1 subadult male, 1 adult female, 1 subadult female)		
	2002	Births: 3 (all male; 2 died, 1 removed) Births: 2 (1 male, 1 female; male died) Births: 2 Deaths: 2		
2. Amakhala GR	2003	Reintroduced: 2 (1 adult female, 1 subadult female) Deaths: 6		
	2004	Births: 4 (2 males, 2 females; 1 male died) Births: 4 (1 male, 3 females) Deaths: 1		
8. Pumba PGR	2003	Removed: 1 adult female Reintroduced: 3 (1 adult male, 2 adult females)	Sanbona GR	12
	2005	Births: 5		8
3. Blaauwbosch GR	2004	Reintroduced: 2 adult males		5
	2005	Reintroduced: 3 adult females		2
7. Lalibela GR	2005	Reintroduced: 2 (1 subadult male, 1 subadult female) Reintroduced: 7 Deaths: 2	Kwandwe GR	7
	2005	Deaths: 2		0
<i>Total cheetah population</i>				41

Appendix (continued)

Species/site ¹	Year	Event	Origin/destination ¹	2005 population
Leopard				
11. Shamwari GR	2001	Reintroduced: 2 (1 subadult male, 1 subadult female)	Wild caught	
	2002	Deaths: 2		
	2003	Reintroduced: 2 subadult females	Rehabilitated	
	2004	Reintroduced: 2 (1 adult male, 1 adult female)		
	2005	Death: 1		
	2005	Death: 1		2 radio collared so known to be alive
6. Kwandwe GR	2003	Reintroduced: 2 (1 subadult male, 1 subadult female)		2
1. Addo Elephant NP	2004	Reintroduced: 1 adult male (radio collared)	Wild caught from Baviaanskloof Wilderness Area	
8. Pumba PGR	2005	Reintroduced: 1 subadult female (may have escaped)	Wild caught from nearby farmlands	1 radio collared
4. Great Fish River Complex	2005	Reintroduced: 2 (1 adult female, 1 subadult unknown)	Wild caught from nearby farmlands	2
	1985	Reintroduced: 2 (1 adult female, 1 unknown)	Wild caught from adjacent farmlands	
	2002	Reintroduced: 1 adult male (81 kg from Free State)		?
<i>Total leopards known to be alive</i>				
Serval²				
11. Shamwari GR	2001	Reintroduced: 11 adults & subadults	? but present	
6. Kwandwe GR	2005	Reintroduced: 5 (1 escaped)	? but present	
African wild dog				
11. Shamwari GR	2003	Reintroduced: 5 (2 adult males, 3 adult females)		
		Births: 8 (7 died)		
	2004	Births: 11 (3 died)		
	2005	Deaths: 4		
6. Kwandwe GR	2004	Reintroduced: 6 (1 adult male, 1 adult female, 4 subadult females)	Wild caught from Karongwe	10
	2005	Births: 8		14
<i>Total African wild dog population</i>				
Spotted hyaena				
1. Addo Elephant NP	2003	Reintroduced: 4 (1 adult male, 1 adult female, 2 subadult males). Another male died in the pre-release boma	Wild caught from Madikwe	
	2004	Births: 1 cub		
	2004	Reintroduced: 4 (1 adult male, 2 adult females, 1 subadult male) after 7 months in boma while tested for diseases	Wild caught from Shingwedzi section of Kruger	
	2005	Birth: 1 to female of second clan		
	2005	Birth: 1 to female of second clan (died at 1 week)		
	2006	Birth: 1 to female of second clan (died at 1 week)		
	2004	Reintroduced: unknown number		10
5. Kariega GR	2004	Reintroduced: 3 (1 subadult male, 2 adult females)	Wild caught from Limpopo region	3
8. Pumba PGR	2005	Reintroduced: 3 (1 subadult male, 2 adult females)		13
<i>Total spotted hyaena population</i>				

Appendix (continued)

Species/site ¹	Year	Event	Origin/destination ¹	2005 population
Brown hyaena				
4. Great Fish River Complex	1986	Reintroduced: 1	Wild caught from Northern Cape farms	
	1988	Reintroduced: 2		
	1989	Reintroduced: 2		
11. Shamwari GR	2001	Reintroduced: 9 (5 adult males, 4 adult females)	Wild caught from Northern Cape farms	
	2003	Reintroduced: 6 (2 adult males, 2 adult females, 2 subadult females)		
6. Kwandwe GR		Deaths: 1	Wild caught from Matunyane GR	
	2004	Deaths: 1		
	2005	Deaths: 1		
<i>Brown hyaenas known to be alive</i>				
				At least 18

¹NP, National Park; GR, Game Reserve; PGR, Private Game Reserve

²Origin of reintroduced stock was unreported