

## African Wild Dog (*Lycaon pictus*)

Additional documentation.

**Table 1.** African Wild Dog pack structures used in the estimation of numbers of mature individuals. Weighted mean values are calculated taking into account the numbers of pack-years of data available from each study.

Site	Adult and yearling pack size	Proportion male adults and yearlings	Proportion adults and yearlings which are alphas		Proportion pups with sub-dominant fathers	Proportion pups with sub-dominant mothers	Sources*
			males	females			
Kruger	9.7	0.54	0.191	0.224	0.10	0.08	1,2
Selous	12.6	0.55	0.146	0.190			3
Okavango	10.4	0.54	0.182	0.213			4,5
Samburu-Laikipia	9.1	0.57	0.193	0.256			6
Hluhluwe-iMfolozi	8.1	0.58	0.300	0.430			7
<b>Weighted Mean</b>	<b>10.1</b>	<b>0.55</b>	<b>0.176</b>	<b>0.215</b>	<b>0.10</b>	<b>0.08</b>	

\***Sources:** <sup>1</sup>Maddock and Mills 1994; <sup>2</sup>Girman *et al.* 1997; <sup>3</sup>Creel and Creel 2002; <sup>4</sup>McNutt and Silk 2008; <sup>5</sup>McNutt 1996; <sup>6</sup>Woodroffe 2011 and unpubl. data; <sup>7</sup>Somers *et al.* 2008

**Table 2.** Global population of African Wild Dogs estimated since 2012. Data are derived from IUCN SSC (2008, 2009, in prep.), updated where necessary through correspondence.

<b>Country</b>	<b>Sub-population</b>	<b>Adults and yearlings</b>	<b>Mature individuals</b>
<b>West Africa</b>			
Benin/Burkina Faso/Niger	W Complex	20	4
Sénégal/Guinea	Niokolo/Badiar	50	15
	<b>Sub-total</b>	<b>70</b>	<b>15</b>
<b>Central Africa</b>			
Central African Republic	Bamingui-Bangoran-Manovo-Gounda-St Floris	140	30
Chad	Bahr Salamat	90	19
Sudan (and possibly CAR)	Radom	61	13
	<b>Sub-total</b>	<b>291</b>	<b>61</b>
<b>Eastern Africa</b>			
Ethiopia	Araba Minch	16	3
Ethiopia	Filtu	71	15
Ethiopia	Harena	40	8
Ethiopia (and possibly South Sudan)	Omo-Mago	40	8
Kenya	Isiolo	30	6
Kenya	Kora-North Kitui	20	4
Kenya	Ewaso ecosystem	220	46
Kenya (and possibly Somalia)	Ijara-Lamu	130	27
South Sudan	Bandingilo	75	16
South Sudan	Southern	130	27
South Sudan (and possibly Ethiopia)	Boma	193	41
Sudan (and possibly Ethiopia)	Dinder	78	16
Kenya	Tsao	100	21
Kenya	Machakos	25	5
Kenya & Tanzania	Kajiado-Loliondo	100	21
Tanzania	Katavi	200	42
Tanzania	Kigosi-Moyowosi	400	84
Tanzania	Maasai Steppe	70	15
Tanzania	Rungwa-Ruaha	500	105

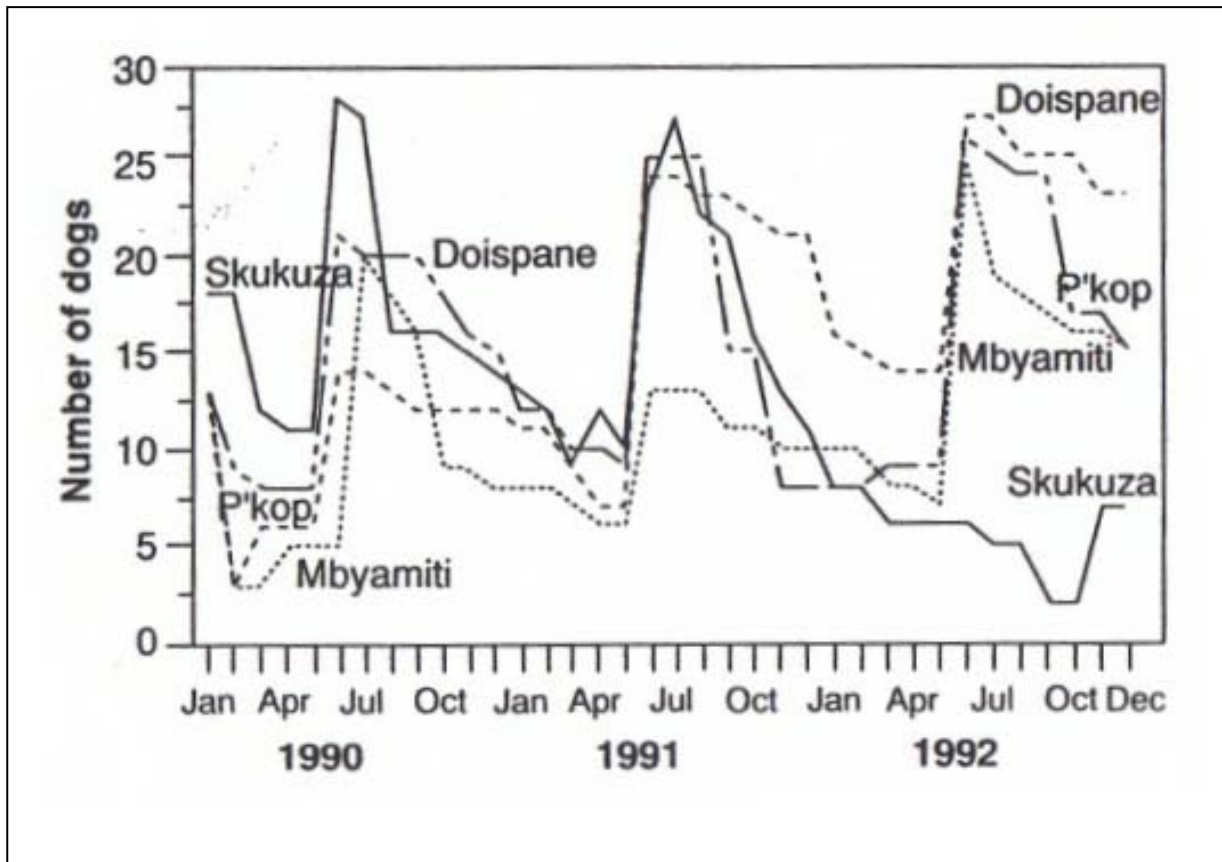
<b>Country</b>	<b>Sub-population</b>	<b>Adults and yearlings</b>	<b>Mature individuals</b>
Tanzania and Mozambique	Selous-Niassa-Quirimbas	1,272	268
	<b>Sub-total</b>	<b>3,710</b>	<b>743</b>
<b>Southern Africa</b>			
Angola/Botswana/naminia/Zambia	Greater KAZA landscape	1,308	276
Malawi	Kasungu NP	14	3
Mozambique	Marromeu	41	9
South Africa	Managed metapopulation	121	26
South Africa	Greater Waterberg Region	104	22
South Africa/Zimbabwe	Kruger/SE Zimbabwe	200	42
Zambia	Kafue National Park	300	63
Zambia	Liuwa Plains	30	6
Zambia	North Luangwa NP	40	8
Zambia	South Luangwa NP	100	21
Zambia/Zimbabwe	Zambezi Valley Complex	230	49
Zimbabwe	Bubye-Bubiana	30	6
Zimbabwe	Matusadona	10	2
Zimbabwe	Save Valley	80	17
	<b>Sub-total</b>	<b>2,608</b>	<b>550</b>
	<b>Grand Total</b>	<b>6,679</b>	<b>1,409</b>

**Table 3.** Estimated change in numbers of adult and Yearling African Wild Dogs between 1997 and 2012. 1997 data are from Ginsberg and Woodroffe (1997). Note that this table has a different total from Table 2 because sub-populations not known in 1997 were excluded.

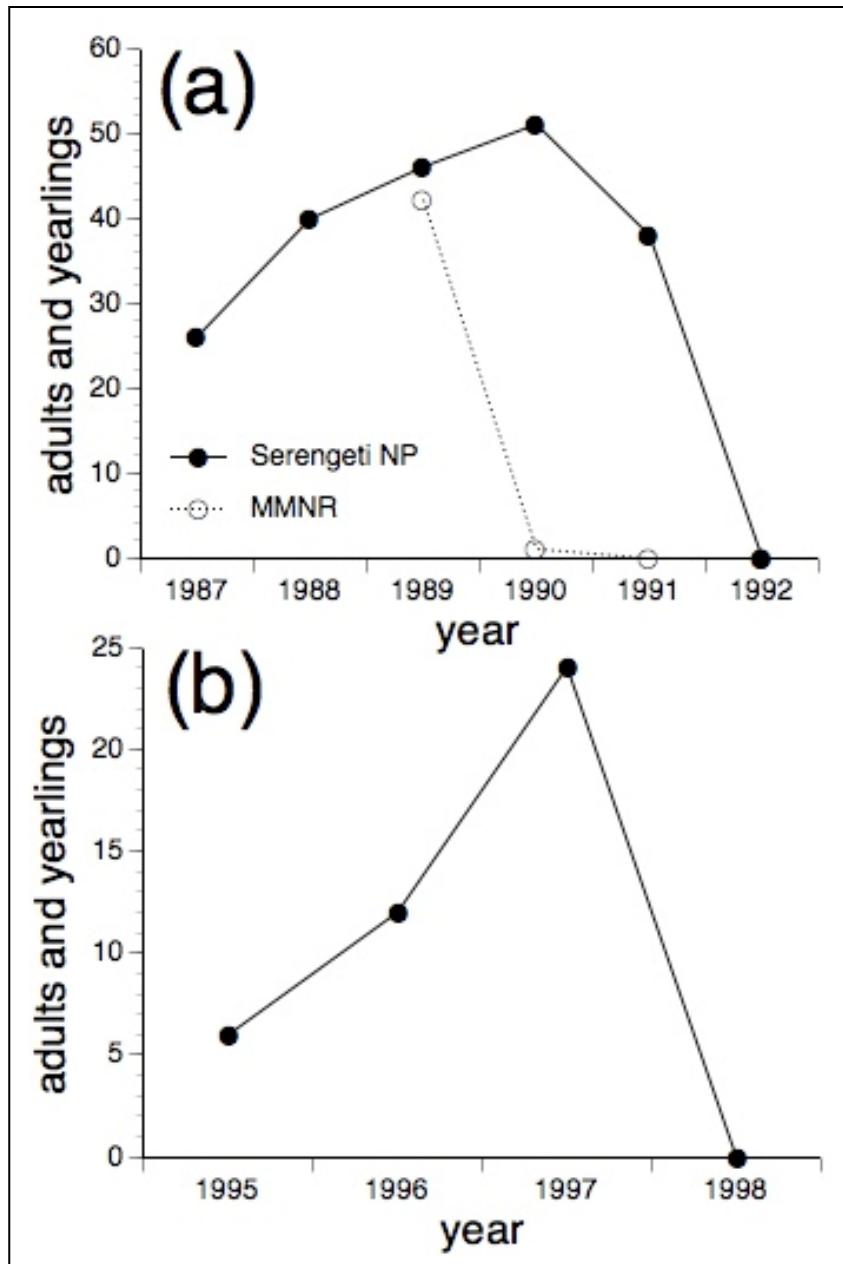
Country	Site name in 1997	1997 estimate	2012 estimate	Estimated change
<b>West Africa</b>				
Sénégal	Niokolo-Koba N.P. Complex	100	50	
	<b>Sub-total</b>	<b>100</b>	<b>50</b>	<b>-50%</b>
<b>Central Africa</b>				
Cameroon	Benoue National Park	20	0	
Cameroon	Bouba-Njida National Park	20	0	
Cameroon	Faro National Park	50	0	
CAR	Bamingui-Bangoran Complex	100	140	
CAR	Manovo Gounda-St Floris Complex	50	—†	
Chad	Manda National Park	20	90	
Chad	Ouadi Rimé – Ouadi Achim G.R.	50	0	
	<b>Sub-total</b>	<b>310</b>	<b>230</b>	<b>-26%</b>
<b>Eastern Africa</b>				
Ethiopia	Bale Mountains National Park	20	40	
Ethiopia	Gambela National Park	20	0	
Ethiopia	Mago National Park	50	40	
Ethiopia	Mehal Meda	50	0	
Ethiopia	Omo National Park	20	—†	
Ethiopia	South-East of Bale Province	50	71	
Kenya	Dodori National Reserve	20	20	
Kenya	Extreme NE Kenya	50	0	
Kenya	Kora National Reserve	20	20	
Kenya	N. Kenya, Isiolo to Marsabit	100	220	
Kenya	South Turkana National Reserve	20	0	
Kenya	Timau, Laikipia	20	—†	
Somalia	Juba River	20	—†	
Kenya	Kajiado district	50	100	
Kenya	Tsavo East & West N.P.	50	100	
Tanzania	Selous ecosystem	1,280	800	
Tanzania	Maasai Steppe	100	70	

Country	Site name in 1997	1997 estimate	2012 estimate	Estimated change
Tanzania	Mikumi National Park	100	—†	
Tanzania	Moyowosi Game Reserve	100	400	
Tanzania	Ruaha National Park	150	500	
Tanzania	Rungwa/Kisigo G.R.	150	—†	
Tanzania	Tarangire National Park	20	—†	
	<b>Sub-total</b>	<b>2,460</b>	<b>2,381</b>	<b>-3%</b>
<b>Southern Africa</b>				
Botswana	Central Kalahari/Khutse G.R.s	100	150	
Botswana	Chobe Complex	500	363	
Botswana	Gemsbok N.P. Complex	150	0	
Namibia	Northern Namibia Complex	400	200	
South Africa	Kruger National Park	350	144	
South Africa	Madikwe Game Reserve	10	121	
South Africa	Umfolozi/Hluhluwe Park	20	—†	
Zambia	Kafue N.P. Complex	300	300	
Zambia	Liuwa Plain National Park	20	30	
Zambia	Lower Zambezi National Park	20	—†	
Zambia	Luangwa Valley System	100	140	
Zambia	Lunga-Luswishi G.M.A.	30	—†	
Zambia	Sioma-Ngwezi National Park	20	20	
Zambia	Sumbu National Park	20	0	
Zambia	West Lunga National Park	20	0	
Zimbabwe	Chizarira N.P. Area	20	0	
Zimbabwe	Gona re Zhou N.P. Area	40	115	
Zimbabwe	Hwange N.P. Complex	350	70	
Zimbabwe	Zambezi Valley	100	220	
	<b>Sub-total</b>	<b>2,570</b>	<b>1,873</b>	<b>-27%</b>
	<b>Grand Total</b>	<b>5,440</b>	<b>4,534</b>	<b>-17%</b>

† indicates sites enumerated within an adjoining site in 2012.



**Figure 1.** Fluctuations in the sizes of four wild dog packs in Kruger NP, south Africa. Over this 3-year period, the size of the Skukuza Pack varied by a factor of 14 (between 2 and 28 animals) and two other packs varied by a factor of nine. Figure reproduced from Mills (1993).



**Figure 2.** Rapid local extinction of wild dogs associated with rabies outbreaks in (a) Serengeti National Park, Tanzania, and land adjoining the Maasai Mara National Reserve (MMNR), Kenya, and (b) Madikwe Game Reserve, South Africa. At Madikwe, three dogs survived the outbreak after being taken into captivity and vaccinated. Data from Burrows *et al.* (1994), Kat *et al.* (1995), Hofmeyr *et al.* (2000).