

Supplementary Material S7. Review of the published literature on leopard density estimates of South Africa (2000-2023).

Province	Surveyed area	Density estimate (leopards/100km ²)	Analysis software	References
Eastern Cape	Baviaanskloof	0.24 ± 0.07	R (package secr)	[15]
Kwazulu Natal	Zululand Rhino Reserve	7.0 ± 2.64	CAPTURE	[68]
		7.17 ± 1.12		
		9.42 ± 1.93	CAPTURE	[47]
	Phinda Private Game Reserve Non-protected area surrounding Phinda-Mkhuze Complex	11.21 ± 6.92		
		2.49 ± 0.87	CAPTURE	[69]
	Mkhuze Private Game Reserve	11.11 ± 1.31	CAPTURE	[69]
	Phinda Private Game Reserve	7.17 ± 1.12	CAPTURE	[69]
		3.40	R (package secr)	
	Phinda Private Game Reserve	3.65 7.28-0.28	R (package SPACECAP) CAPTURE	[70]
			R (package SPACECAP)	[31]
	Ndumo Game Reserve	1.60 ± 0.62	R (package SPACECAP)	[31]
	St Lucia Wetland Park	7.90 ± 0.92	R (package SPACECAP)	[31]
	Tembe Elephant Reserve	4.80 ± 0.50	R (package SPACECAP)	[31]
Limpopo	N'wanetsi concession (Kruger National Park)	12.7	CAPTURE	[45]
	Western Soutpansberg Moutain	10.73 ± 3.32	R (package SPACECAP)	[34]
	Farming matrix (Waterberg)	6.59 ± 5.2	R (package secr)	[50]
	Lapalala (Waterberg)	5.35 ± 2.93	R (package secr)	[50]
	Welgevonden (Waterberg)	4.56 ± 1.35	R (package secr)	[50]
	Western Soutpansberg Moutain	3.65	CAPTURE	[71]
	Platjan	2.19 ± 0.58	R (package secr)	[54]
Mpumalanga	Sabi Sand Game Reserve	11.8 ± 2.6	R (package secr)	[42]
	Loskop Dam Game Reserve	7.7 ± 2.0	R (package secr)	[43]
Western Cape	Garden Route	0.96 ± 0.28	SPACECAP	[15]
		0.38 ± 0.17	R (package secr)	[11]
	Langeberg	1.89 ± 0.30	SPACECAP	[15]
		0.50 ± 0.10	R (package secr)	[11]

Overberg	0.69 ± 0.30	SPACECAP	[15]
		R (package secur)	[11]
	0.17 ± 0.10		
Little Karoo	1.26 ± 0.25	R (package secur)	[72]
Cederberg	1.58	CAPTURE	[16]
		R (package RJAGS)	[10]
Boland Mountains	1.69		
		R (package RJAGS)	[17]
Piketberg Mountain	1.81		
		R (package secur)	
Piketberg Mountain	1.90 ± 0.50		Our study
