

GAME COUNTS IN NORTH-WEST NAMIBIA

June 2012



Count area: 6.6 million ha

Total Population Estimates

Species	Population estimate	Lower 95% CL	Upper 95% CL
Gemsbok	41,190	31,470	53,920
Giraffe	1,815	-	-
Kudu	5,530	3,530	8,660
Ostrich	9,960	7,790	12,740
Springbok	113,880	93,640	138,430
Steenbok	17,660	13,630	22,900
Zebra	15,920	10,810	23,440

All estimates are derived using DISTANCE analysis. Estimates for individual conservancies (below) are based on the use of Effective Strip Widths (ESWs) for each species. Although total estimates derived from individual conservancies will be similar to regional total estimates (above), they will not be equal. All estimates are conservative estimates, as on average, 28% of the count area is not sampled (due to inaccessibility) and is consequently assumed to hold no animals.

Total number of animals seen each year

Species	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Baboon	108	116	203	135	555	165	567	239	310	390	172	510
Cheetah	5	1	7	7	14	2	4	7	6	3		5
Duiker	12	6	3	5	18	3	8		7	6	11	3
Eland	63	19		12	10	12	45	5	30		13	2
Elephant	40	24	45	17	107	5	36	44	72	31	73	39
Gemsbok	1 616	2 698	3 483	2 749	3 506	2 612	3 898	2 609	2 652	2 755	2 166	3 248
Giraffe	215	232	189	281	213	296	268	231	253	441	362	420
Hyaena	2			1	7		4	3	1	10	2	1
Jackal	45	84	60	82	78	94	108	59	81	119	67	91
Klipspringer	3	14	20	17	34	15	24	5	19	21	9	45
Kudu	189	297	241	316	413	324	576	207	337	327	188	342
Ostrich	577	659	815	817	903	741	902	666	1 247	832	769	1 027
Rhino	1	1	7	2	9	2	9	6	3	4	3	10
Springbok	11 606	14 560	16 734	10 509	14 227	11 746	12 135	18 729	12 411	15 601	12 792	11 714
Steenbok	49	85	122	203	154	101	245	85	117	149	87	262
Warthog	6	14	8	7	13	11	13	2	2	3	6	8
Zebra	1 210	1 274	1 414	1 376	1 738	1 838	1 684	2 136	3 004	3 248	3 341	2 583

Animals seen during this count:

	Total	#Khoac//Hoas	Anabeb	//Audi	Doro Inawas & Uibasen Twyfeifontein	Ehi-Rovipuka	Etendeka	#Gangu	Hobater	//Huab	Marientfluss	Ohungu	Okangundamba	Okondjombo	Omatendeka	Orupembe	Orupupa	Otjambangu	Otjimboyo	Otuzemba	Ozondundu	Palmwag	Puros	Sanitatas	Sesfontein	Sorris sorris	Torra	Tsiseb	
Total Route km	7 213	500	223	45	517	284	87	727	62	425	286	180	140	162	213	280	187	52	98	64	78	551	324	153	312	207	529	528	
Total area (km2)	66 176	3 358	1 636	336	4 137	1 979	507	7756	258	2 129	3 034	1 245	1 130	1 643	1 613	3 568	2 272	348	432	992	743	5 891	3 564	1 446	2 469	2 290	3 492	7 908	
Number of routes	135	9	5	2	9	5	2	10	3	8	5	3	3	4	4	6	3	1	2	1	2	11	6	4	7	4	8	8	
% area excluded	28	45	51	0	6	28	55	17	5	4	28	14	29	16	48	34	56	74	30	76	55	43	31	28	45	18	25	16	
Species																													
Baboon	510	74			28	43				117						46						54	6	2	39		101		
Cheetah	5		3																			2							
Duiker	3							1		1								1											
Eland	2		2																										
Elephant	39	5				18			1													5	4		5		1		
Gemsbok	3 248	50	65		101	70	121		90	24	512			68	29	551	11	4			382	269	99	233		550	19		
Giraffe	420	34	9		6	108	24		9					16	13	23	2		1		4	52	44	6	27	14	28		
Hyaena	1																											1	
Jackal	91	6	2		9		8	6	3	1	4			1	7	5					1	12		4	5	11	4		
Klipspringer	45	22			3	1				7				5									1	1			5		
Kudu	342	137	13	4	2	17	14		3	63			9	2			13	1	1			10		1			52		
Ostrich	1 027	27	13		53	17	4	33		11	33	11	30	53	40	55	12	21	88			69	105	19	41	60	139	93	
Rhino	10				3																	2					5		
Springbok	11 714	240	558		187	236	732	1 198	60	56	591	1 899	891	325	561	362	70	136	337		6	1 015	196	215	316	616	730	181	
Steenbok	262	31	2		4	14	1	43	3	13	2	13	14	6	9	6	21	4	12	2	2	7		2	6	20	12	13	
Warthog	8				1				1						4														
Zebra	2 583	175	206		110	101	93		27				2	210	23	17						1 029	27	101	49		378	23	

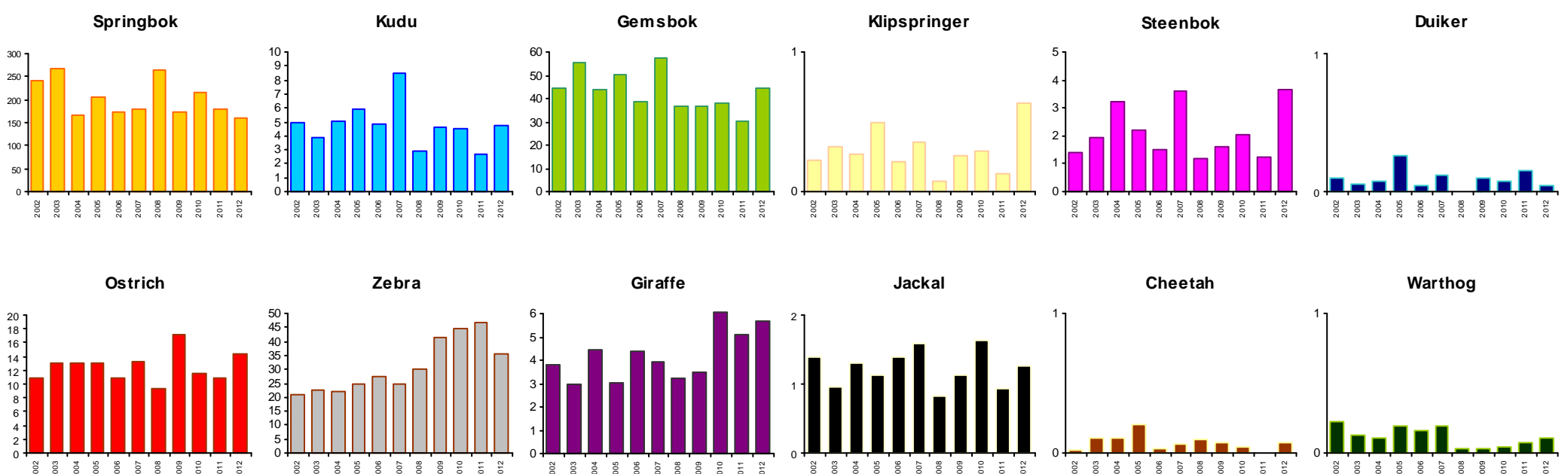
Population estimates for conservancies:

Estimates with no brackets take account of drop off in detection of animals with distance from the transect line and are calculated using effective strip widths (ESW) for each species. Estimates inside brackets are minimum estimates assuming all animals within 500m on each side of the transect line are detected, and represent an average over the past 3 years.

Species	#Khoac//Hoas	Anabeb	//Audi	Doro Inawas & Uibasen Twyfeifontein	Ehi-Rovipuka	Etendeka	#Gangu	Hobater	//Huab	Marientfluss	Ohungu	Okangundamba	Okondjombo	Omatendeka	Orupembe	Orupupa	Otjambangu	Otjimboyo	Otuzemba	Ozondundu	Palmwag	Puros	Sanitatas	Sesfontein	Sorris sorris	Torra	Tsiseb	
Gemsbok	277 (137)	299 (149)		1 110 (552)	256 (127)	1 173 (584)	26 (13)	382 (190)	75 (37)	6 029 (3 000)			949 (472)	218 (108)	8 183 (4 071)	23 (11)	5 (2)	2 (1)			4 654 (2 315)	3 191 (1 588)	1 966 (978)	2 368 (1 178)	114 (57)	3 229 (1 606)	181 (90)	
Giraffe	145 (75)	22 (11)		37 (19)	456 (238)	284 (148)		54 (28)					29 (15)	63 (33)	47 (25)	4 (2)		1 (1)			5 (3)	202 (105)	165 (86)	22 (11)	78 (41)	27 (14)	132 (69)	
Kudu	739 (284)	63 (24)		20 (8)	84 (32)	252 (97)		10 (4)	423 (163)		49 (19)	128 (49)	46 (18)	61 (24)		79 (30)	7 (3)	10 (4)			51 (19)	102 (39)		5 (2)	4 (2)	30 (12)	817 (314)	
Ostrich	53 (36)	127 (85)		776 (521)	147 (99)	6 (4)	118 (79)		63 (42)	471 (316)	84 (56)	239 (160)	439 (295)	196 (132)	727 (488)	203 (137)	42 (28)	125 (84)	9 (5)		16 (10)	456 (306)	908 (609)	360 (242)	334 (224)	870 (583)	484 (325)	1 871 (1 255)
Springbok	1 071 (450)	4 014 (1 687)		5 569 (2 340)	595 (250)	3 793 (1 594)	14 977 (6 293)	435 (183)	378 (159)	6 431 (2 702)	2 467 (1 036)	3 012 (1 266)	7 567 (3 180)	2 886 (1 213)	10 470 (4 399)	719 (302)	1 315 (553)	1 869 (785)			34 (14)	21 264 (8 935)	4 159 (1 748)	5 238 (2 201)	4 373 (1 837)	5 054 (2 123)	7 422 (3 119)	9 599 (4 033)
Steenbok	630 (54)	56 (5)		161 (14)	605 (52)	99 (9)	1 700 (147)	67 (6)	472 (41)	173 (15)	636 (55)	834 (72)	227 (20)	196 (17)	603 (52)	810 (70)	105 (9)	281 (24)	81 (7)		35 (3)	312 (27)	31 (3)	78 (7)	43 (4)	1 082 (94)	559 (48)	1 948 (168)
Zebra	173 (173)	871 (871)		716 (716)	182 (182)	1 040 (1 040)		156 (156)	78 (78)	308 (308)		6 (6)	1 594 (1 594)	104 (104)	371 (371)	2 (2)						6 243 (427)	427 (427)	744 (744)	174 (174)		2 251 (2 251)	190 (190)

Note: With estimates for springbok, gemsbok and giraffe, large groups have been excluded from extrapolations and added afterwards. All conservancy estimates should be regarded as rough approximations and great care should be taken when using these data for quota setting.

Trends:



Number of animals per 100km