

GAME COUNTS IN NORTH-WEST NAMIBIA

Conservancies south of the veterinary fence

June 2015

Total Population Estimates

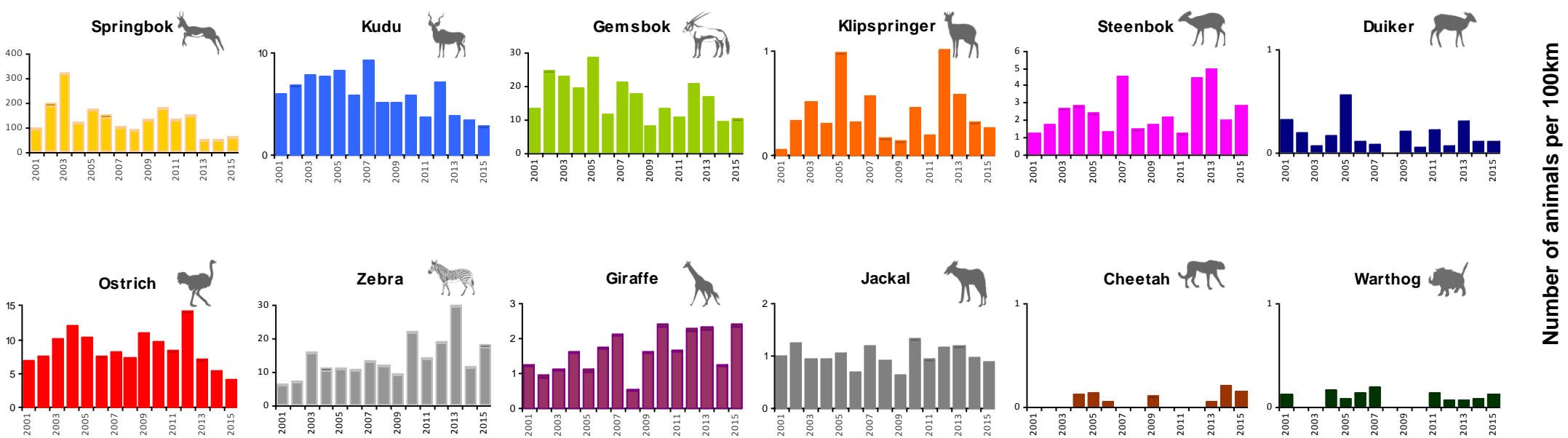
Species	Population estimate	Lower 95% CL	Upper 95% CL
Gemsbok (U)	4,200	2,360	7,470
Giraffe (U)	530	290	990
Kudu (U)	1,780	875	3,600
Ostrich (U)	1,110	650	1,890
Springbok (H)	9,920	5,340	18,410
Steenbok (H)	6,460	4,270	9,770
Zebra (U)	5,730	2,630	12,450

All above estimates are derived using DISTANCE analysis. This takes account of drop off in detection with distance from the transect line. They are conservative estimates as 19% of the count area is not sampled (due to inaccessibility) and is consequently assumed to hold no animals. Model selection: U = uniform key; H = half normal

Total number of animals seen each year

Species	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Baboon	63	72	148	55	236	104	238	134	177	228	123	320	206	46	75
Cheetah				3	4	1			3				1	6	5
Duiker	8	5	1	4	18	3	2		7	1	7	2	11	3	3
Elephant	15	12	1	5	60	4	27	24	37	20	35	6	6	55	23
Gemsbok	356	681	628	537	928	367	707	625	273	452	354	740	642	296	358
Giraffe	26	25	30	45	35	57	71	18	57	84	57	83	89	41	89
Hyaena				1	7		1	3	1	4	1	1	3		
Jackal	25	35	26	26	34	22	40	32	22	46	33	42	45	32	32
Klipspringer		9	14	8	32	10	19	5	4	16	7	37	22	10	9
Kudu	101	190	216	216	269	191	313	181	181	202	127	246	146	111	98
Ostrich	193	207	275	336	336	239	270	257	391	337	288	515	263	173	141
Rhino			6		4		7	3	3	1	2	8	8	7	1
Springbok	2,576	5,423	8,939	3,366	5,618	4,746	3,326	3,112	4,670	6,208	4,564	5,441	1,797	1,434	2,184
Steenbok	26	47	71	77	75	40	151	48	59	73	39	160	188	64	104
Warthog	3			4	2	4	6				4	2	2	2	4
Zebra	170	193	430	295	352	338	442	420	326	761	481	686	1,155	367	657

Trends



Animals seen during this count and minimum estimates

	Total	!Khoros IGoreb	#Khoah//Héas	Doro !Nawas & Uibasen Twyfelfontein	#Gaiingu	//Huab	Ohungu	Oujimboyo	Sorris sorris	Torra	Tsiseb
Total Route km	3,819	117	465	520	709	413	186	102	216	524	567
Total area (km ²)	34,084	1,337	3,358	4,137	7,756	2,129	1,245	432	2,290	3,492	7,908
Number of routes	64	3	9	9	10	8	3	2	4	8	8
% area excluded	19	45	45	6	17	4	14	30	18	25	16
Species											
Gemsbok			49 (114)	71 (467)		5 (45)			24 (213)	194 (904)	15 (279)
Giraffe			43 (121)	7 (14)					4 (8)	35 (70)	
Kudu			22 (72)	6 (46)	1 (29)	51 (262)				18 (83)	
Ostrich			5 (20)	55 (392)	14 (91)		5 (30)	3 (16)	12 (99)	19 (108)	28 (395)
Springbok			17 (69)	667 (1,794)	634 (836)	4 (24)	25 (135)	3 (6)	7 (64)	630 (2,954)	197 (2,137)
Steenbok		3 (18)	18 (91)	5 (36)	16 (142)	34 (188)	6 (34)	7 (37)	4 (37)	3 (13)	8 (98)
Zebra			97 (237)	75 (851)	1 (8)	7 (34)				469 (2,336)	8 (63)

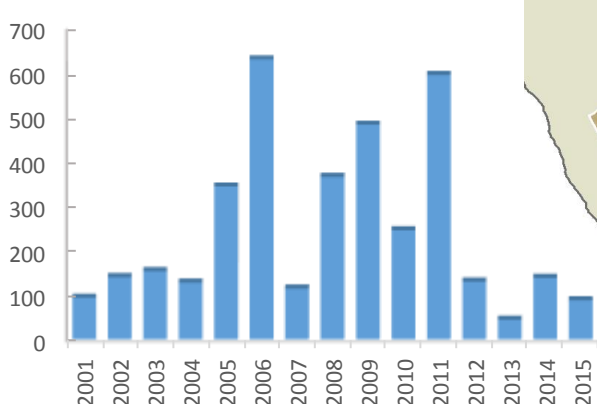
Values without brackets are numbers of animals seen along transects. Values inside brackets are minimum estimates assuming all animals within 500m on each side of the transect line are detected i.e. there is no adjustment for drop off in detection with distance from the transect line. Consequently the totals of estimates indicated here will not add up to the total population estimates (above). For springbok, gemsbok and giraffe, large groups were excluded from extrapolations and added afterwards.



Count area: 3.4 million ha

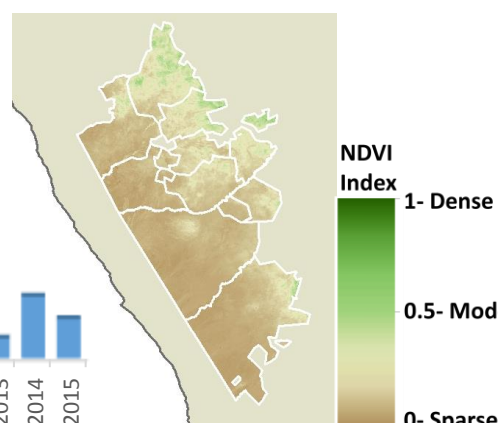
Rainfall

Average rainfall mm



Vegetation

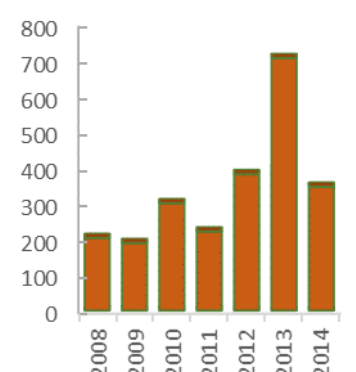
Average NDVI



NDVI is a measure of the density of chlorophyll in vegetation cover. It can be used as an indicator of the amount of biomass available to wildlife. The trend shown here is an average for the whole area over a 10 day period in the beginning of April.

Mortalities

Number of animals



Total number of carcasses from all species

The rainfall season is from July to June and values are an average for the whole area. The year represents the season immediately prior to the count.