

GAME COUNTS IN NORTH-WEST NAMIBIA

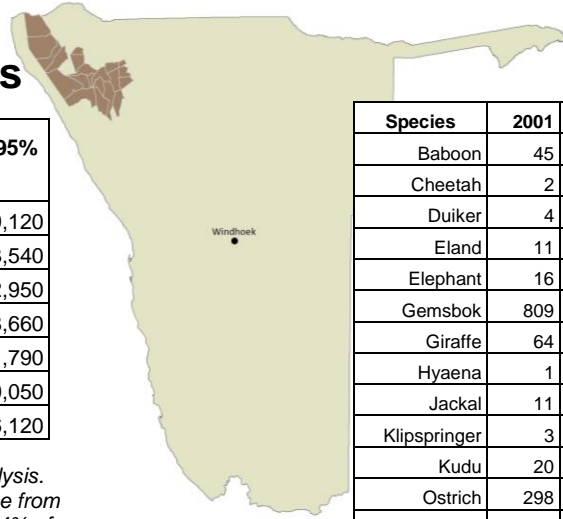
Conservancies north of the veterinary fence

June 2015

Total Population Estimates

Species	Population estimate	Lower 95% CL	Upper 95% CL
Gemsbok (H)	5,070	2,816	9,120
Giraffe (U)	1,890	1,020	3,540
Kudu (U)	1,290	560	2,950
Ostrich (U)	5,690	3,740	8,660
Springbok (H)	44,360	31,840	61,790
Steenbok (H)	6,280	3,920	10,050
Zebra (U)	2,950	1,430	6,120

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 34% 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

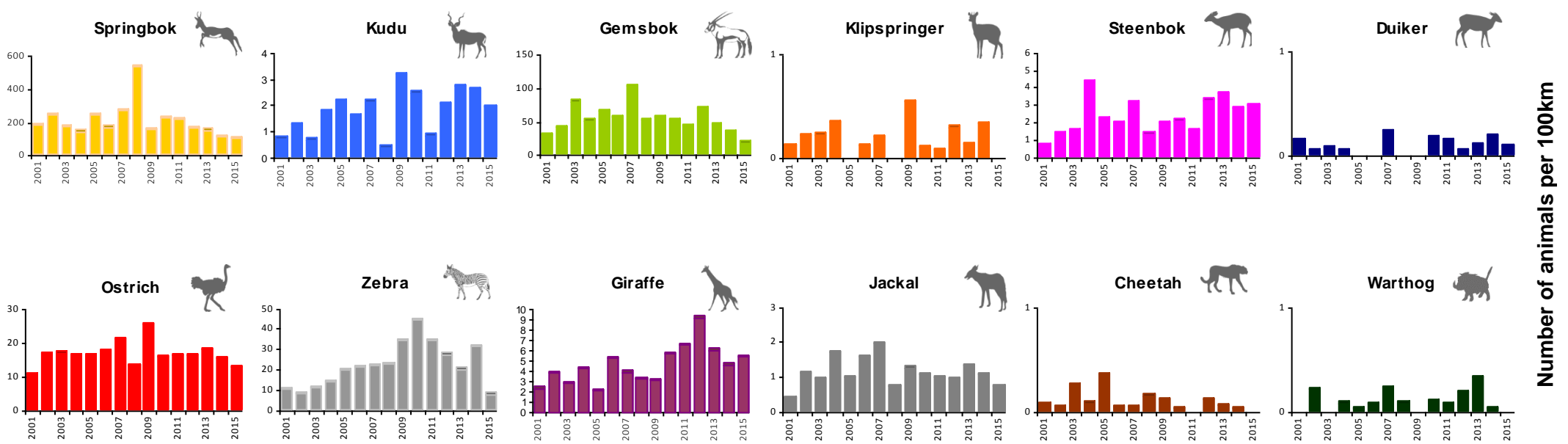


Count area: 2.8 million ha

Total number of animals seen each year

Species	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Baboon	45	44	55	73	253	61	234	105	105	125	17	136	272	123	235
Cheetah	2	1	7	2	10	1	1	4	3	1		3	2	1	
Duiker	4	1	2	1			6			5	4	1	3	6	3
Eland	11						36	5	30		13	2		2	
Elephant	16	10	24	5	31	1	4	8	20	10	1	9	8	4	12
Gemsbok	809	975	2,152	1,348	1,845	1,508	2,649	1,337	1,580	1,493	1,257	1,911	1,401	1,101	575
Giraffe	64	89	75	111	59	140	99	85	86	163	182	252	186	152	178
Hyaena	1						2						6	1	
Jackal	11	26	25	45	28	42	50	19	35	31	28	26	41	35	24
Klipspringer	3	5	6	9		3	5		15	3	2	8	4	11	
Kudu	20	30	18	46	61	43	54	10	88	71	23	56	84	86	63
Ostrich	298	394	454	427	458	469	534	339	702	454	451	439	555	502	422
Rhino	1				3	1									
Springbok	5,078	5,823	4,692	3,748	6,865	4,527	6,939	13,999	4,342	6,569	6,136	4,463	4,640	3,662	3,210
Steenbok	20	32	41	115	64	53	80	34	54	60	44	90	113	93	97
Warthog		5		2	1	2	6	2		3	2	5	10	1	
Zebra	283	189	302	367	568	576	558	585	950	1,271	970	748	619	1,028	256

Trends



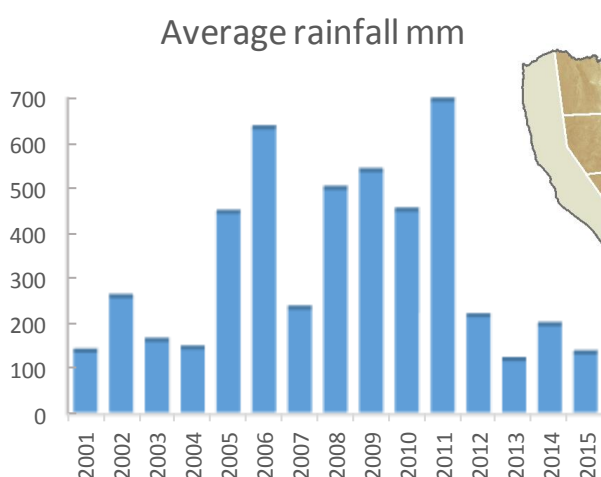
Animals seen during this count and minimum estimates

	Total	Anabeb	Eht-Rovipuka	Marientluss	Okangundumba	Okondjombo	Omatendeka	Ombujokanguindi	Ongongo	Orupembe	Orupupa	Otjambangu	Otjikondavirongo	Otju-west	Otuzemba	Ozondundu	Puros	Sanitatas	Sestfontein
Total Route km	3,311	207	269	291	138	194	210	161	78	304	207	58	130	90	107	90	309	165	303
Total area (km2)	28,288	1,636	1,979	3,034	1,130	1,643	1,613	657	619	2,616	1,775	348	1,067	1,208	741	743	3,564	1,446	2,469
Number of routes	74	5	5	6	3	4	4	3	5	6	3	1	4	2	3	2	6	4	8
% area excluded	34	51	28	28	29	16	48	26	53	10	44	74	58	71	26	55	31	28	42

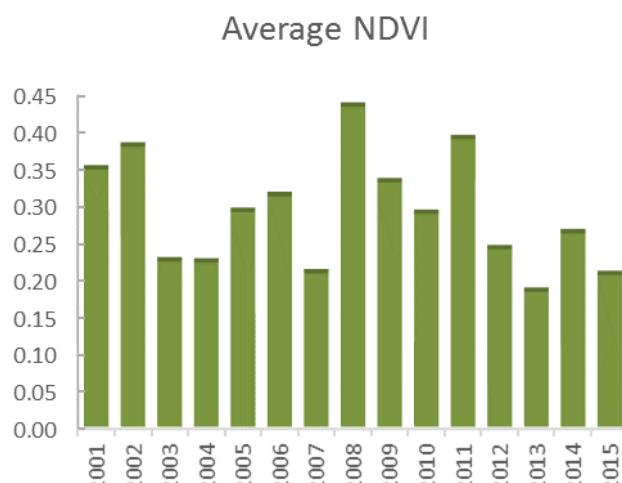
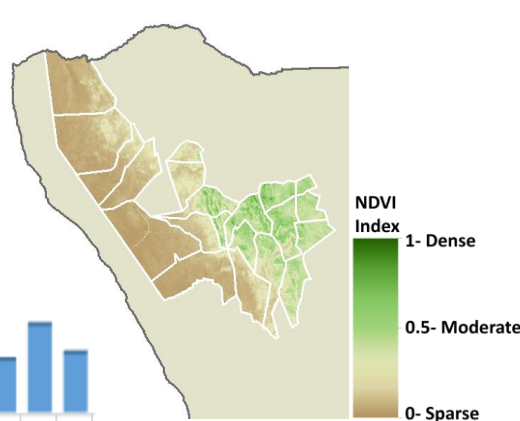
Species	Gemsbok	Giraffe	Kudu	Ostrich	Springbok	Steenbok	Zebra
Gemsbok	1 (5)		2 (5)	256 (1,346)			15 (218)
Giraffe		35 (91)		1 (2)			24 (104)
Kudu			7 (32)		3 (18)		59 (118)
Ostrich	6 (23)	30 (238)	64 (267)	14 (80)	9 (50)	12 (49)	29 (74)
Springbok	231 (914)	178 (637)	186 (1,209)	261 (1,482)	80 (641)	643 (2,659)	153 (397)
Steenbok	4 (19)	16 (102)		11 (63)	2 (16)	6 (23)	6 (15)
Zebra	5 (21)	79 (232)	6 (47)		71 (682)	25 (104)	1 (3)

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.

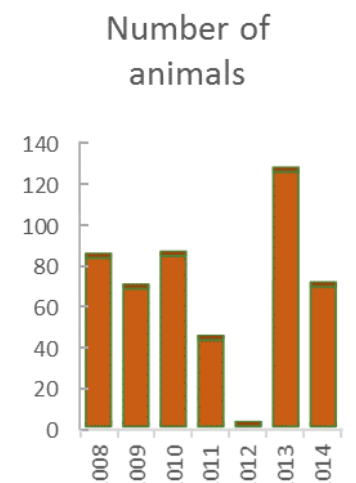
Rainfall



Vegetation



Mortalities



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.

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.

Total number of carcasses from all species