

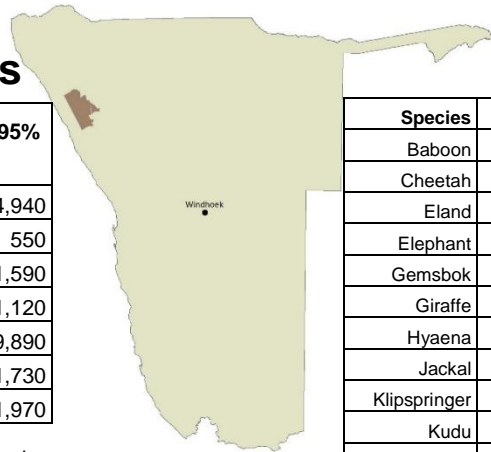
GAME COUNTS IN NORTH-WEST NAMIBIA

Palmwag and Etendeka concession areas

June 2015

Total Population Estimates

Species	Population estimate	Lower 95% CL	Upper 95% CL
Gemsbok (U)	3,240	2,130	4,940
Giraffe (U)	290	150	550
Kudu (U)	570	200	1,590
Ostrich (U)	640	370	1,120
Springbok (U)	5,330	2,870	9,890
Steenbok (U)	580	195	1,730
Zebra (U)	6,010	3,010	11,970



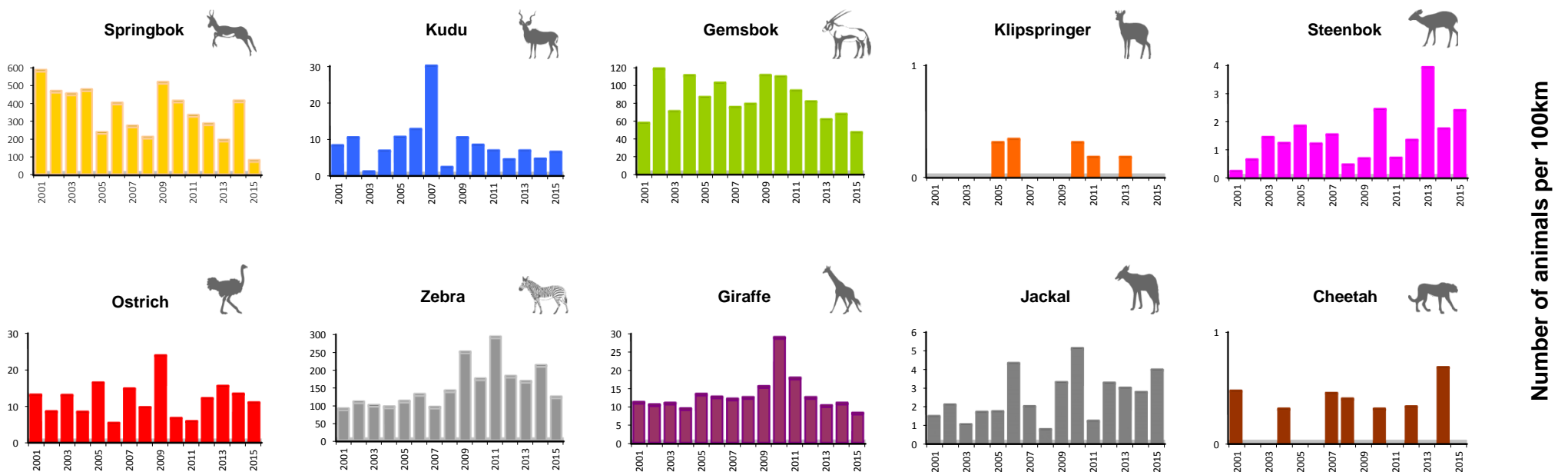
Count area: 600,000 ha

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 45% 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				3	66		95		28	37	32	54	70	23	24
Cheetah	3			2			3	3		2		2		4	
Eland														3	
Elephant	3		19	7	16		3	9	15	1	17	23	20	15	28
Gemsbok	368	825	452	756	575	620	505	595	719	728	587	503	370	394	290
Giraffe	71	71	69	62	88	75	80	93	99	193	111	76	61	63	50
Hyaena	1						1			6	1				5
Jackal	9	14	6	11	11	26	13	5	21	34	7	20	18	16	25
Klipspringer					2	2				2	1		1		
Kudu	51	70	3	43	68	75	204	13	65	53	40	24	39	24	38
Ostrich	83	56	82	54	108	29	98	70	154	41	33	73	93	77	67
Rhino		1	1	2	2	1	2	3		3	1	2		2	4
Springbok	3,822	3,248	2,933	3,241	1,550	2,421	1,819	1,553	3,349	2,730	2,067	1,747	1,149	2,435	448
Steenbok	1	4	9	8	12	7	10	3	4	16	4	8	24	10	15
Zebra	567	744	629	631	728	777	621	1,054	1,623	1,152	1,845	1,122	1,016	1,253	770

Trends



Animals seen during this count and minimum estimates

	Total	Etendeka	Palmwag
Total Route km	653	95	558
Total area (km ²)	6,398	507	5,891
Number of routes	14	3	11
% area excluded	45	55	43

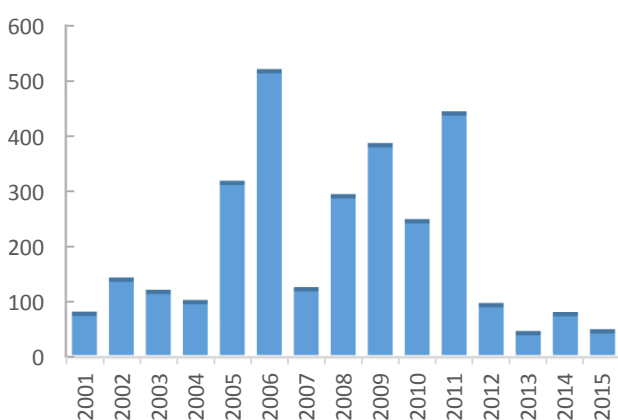
Species	Etendeka	Palmwag
Gemsbok	66 (91)	224 (1,151)
Giraffe	27 (54)	23 (46)
Kudu	6 (20)	32 (127)
Ostrich	2	65 (390)
Springbok	123 (193)	325 (1,338)
Steenbok	3 (11)	12 (33)
Zebra	320 (481)	450 (1,787)

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.



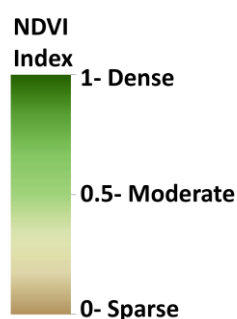
Rainfall

Average rainfall mm



Vegetation

Average NDVI



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.