

GAME COUNTS IN NORTH-WEST NAMIBIA

Conservancies south of the veterinary fence

June 2016

Total Population Estimates

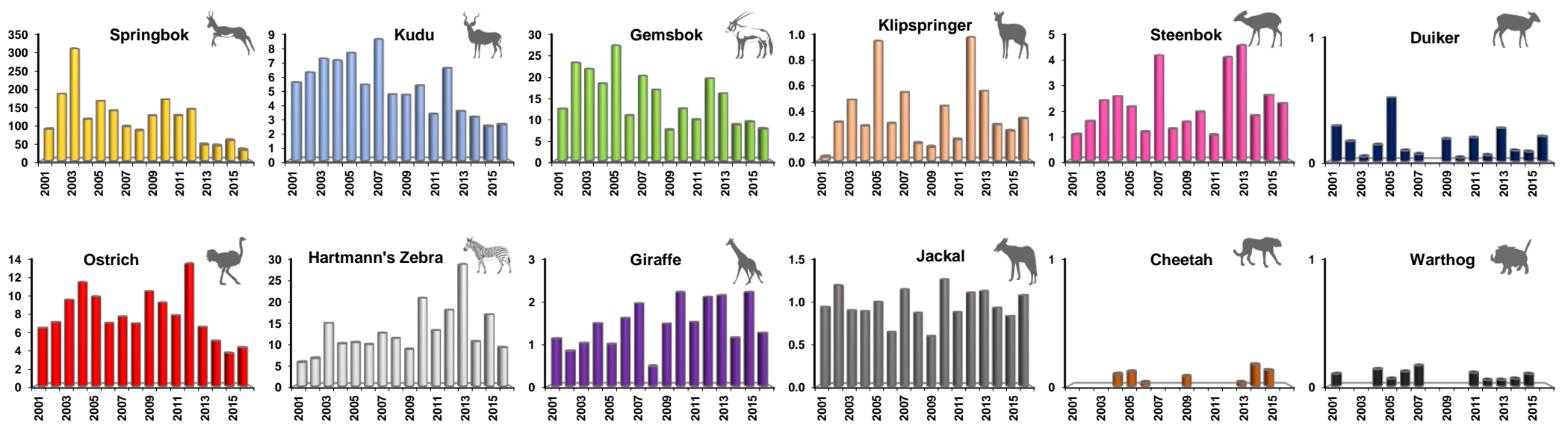
Species	Population estimate	Lower 95% CL	Upper 95% CL
Gemsbok (HN)	7,265	4,480	11,780
Kudu (HN)	2,310	1,130	4,710
Ostrich (U)	2,340	1,500	3,630
Springbok (U)	14,490	10,230	20,510
Steenbok (H)	7,070	4,950	10,100
Hartmann's Zebra (U)	4,280	2,440	7,510

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; HN = 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	2016
Baboon	63	72	148	55	236	104	238	134	177	228	123	320	206	46	75	309
Cheetah				3	4	1			3				1	6	5	
Duiker	8	5	1	4	18	3	2		7	1	7	2	11	3	3	8
Elephant	15	12	1	5	60	4	27	24	37	20	35	6	6	55	23	22
Gemsbok	356	681	628	537	928	367	707	625	273	452	354	740	642	296	358	296
Giraffe	26	25	30	45	35	57	71	18	57	84	57	83	89	41	89	51
Hyaena				1	7		1	3	1	4	1	1	3			1
Jackal	25	35	26	26	34	22	40	32	22	46	33	42	45	32	32	42
Klipspringer		9	14	8	32	10	19	5	4	16	7	37	22	10	9	13
Kudu	101	190	216	216	269	191	313	181	181	202	127	246	146	111	98	104
Ostrich	193	207	275	336	336	239	270	257	391	337	288	515	263	173	141	167
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	1,189
Steenbok	26	47	71	77	75	40	151	48	59	73	39	160	188	64	104	92
Warthog	3			4	2	4	6				4	2	2	2	4	
H. Zebra	170	193	430	295	352	338	442	420	326	761	481	686	1,155	367	657	359

Trends - Number of animals per 100km



Animals seen during this count and minimum estimates

	Total	!Khoros !Goreb	#Khoadi-/Hóas	!//Audi	Doro !Nawas & Ujibasen Twyfelfontein	#Gangu	!//Huab	Ohungu	Otjimboyo	Sorris sorris	Torra	Tsiseb
Total Route km	3,859	117	465	40	520	709	413	186	102	216	524	567
Total area (km ²)	34,419	1,337	3,358	335	4,137	7,756	2,129	1,245	432	2,290	3,492	7,908
Number of routes	66	3	9	2	9	10	8	3	2	4	8	8
% area excluded	19	45	45		6	17	4	14	30	18	25	16

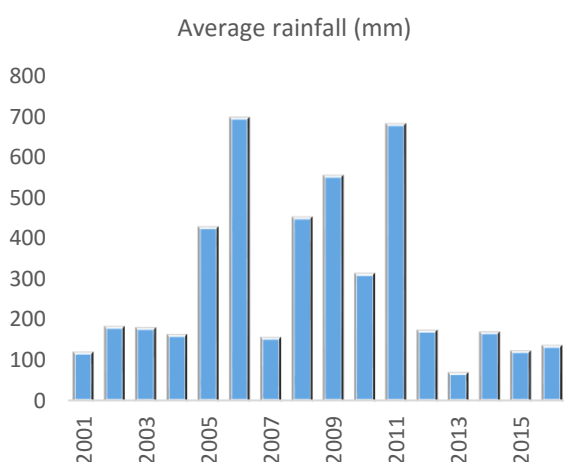
Species	Total	!Khoros !Goreb	#Khoadi-/Hóas	!//Audi	Doro !Nawas & Ujibasen Twyfelfontein	#Gangu	!//Huab	Ohungu	Otjimboyo	Sorris sorris	Torra	Tsiseb
Gemsbok	95 (883)		28 (75)							22 (180)	125 (611)	26 (270)
Giraffe	5 (10)		30 (143)							6 (12)	10 (20)	
Kudu	1 (8)		78 (246)	2 (17)			13 (83)				10 (46)	
Ostrich	22 (159)		10 (33)			8 (68)		5 (28)	6 (18)	26 (179)	66 (304)	24 (455)
Springbok	138 (865)	5 (41)	125 (354)			74 (578)	45 (126)	56 (336)	117 (342)	82 (746)	302 (1,322)	245 (1,982)
Steenbok	7 (70)	2 (17)	22 (110)	2 (17)		16 (141)	15 (85)	7 (38)	3 (16)	7 (60)	9 (44)	2 (20)
H. Zebra	87 (923)		136 (526)			26 (200)				67 (443)	16 (80)	27 (219)



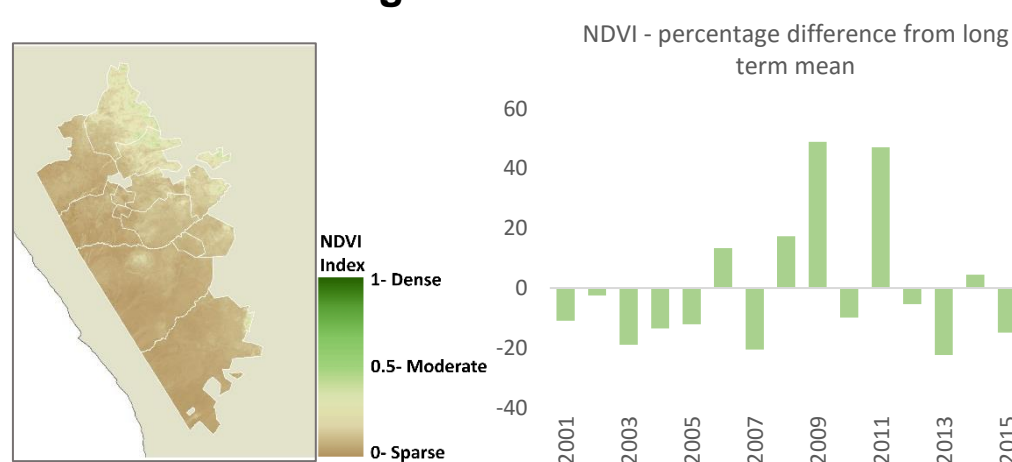
Count area: 3.4 million ha

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. In addition, for springbok, gemsbok and giraffe, large groups were excluded from extrapolations and added afterwards. The sum of these values will be significantly lower than the totals indicated in the top left table as the total estimates take account of species detection curves.

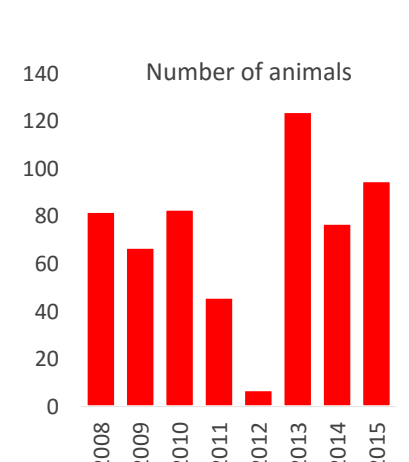
Rainfall



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 map shows the NDVI status in the current year (Feb-April) and the trend indicates the average from Feb to April each year represented as a percentage of the long term mean (2001-2016).

Total number of carcasses from all species