

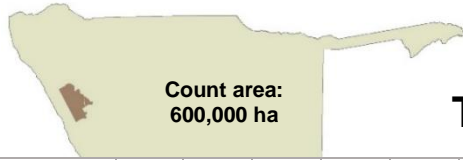
# GAME COUNTS IN NORTH-WEST NAMIBIA

## Palmwag and Etendeka Concessions

May 2020

### Total Population Estimates

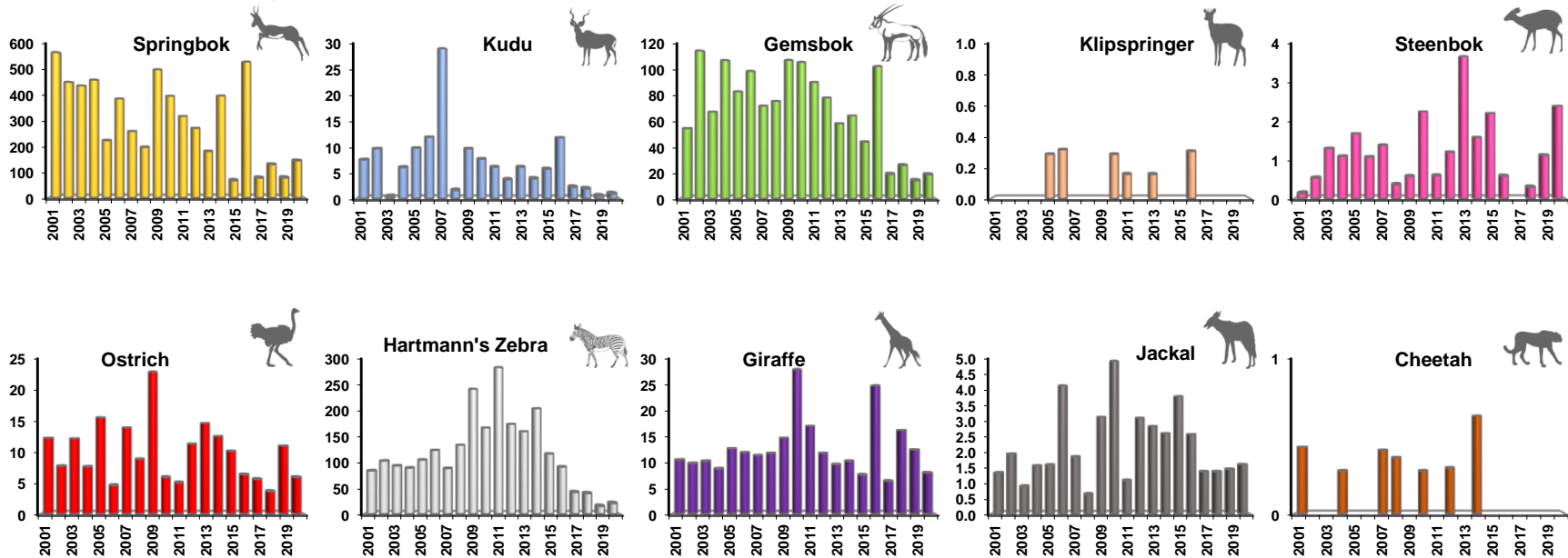
Species	Population estimate	Lower 95% CL	Upper 95% CL
Gemsbok (U)	998	543	1,832
Kudu (HN)	295	71	1,221
Ostrich (U)	421	148	1,197
Springbok (HN)	9,197	4,470	18,919
Steenbok (U)	1,032	325	3,271
Hartmann's Zebra (HN)	1,320	504	3,459



### Total number of animals seen each year

Species	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Baboon				3	66		95		28	37	32	54	70	23	24	27	8	104	10	
Cheetah	3			2			3	3		2		2		4						
Eland														3					12	
Elephant	3		19	7	16		3	9	15	1	17	23	20	15	28	2	6		42	3
Gemsbok	368	825	452	756	575	620	505	595	719	728	587	503	370	394	290	675	126	171	98	130
Giraffe	71	71	69	62	88	75	80	93	99	193	111	76	61	63	50	164	42	107	86	55
Hyaena	1						1			6	1				5	2	5	2	2	1
Jackal	9	14	6	11	11	26	13	5	21	34	7	20	18	16	25	17	9	9	10	11
Klipspringer					2	2				2	1		1			2				
Kudu	51	70	3	43	68	75	204	13	65	53	40	24	39	24	38	78	15	13	4	7
Ostrich	83	56	82	54	108	29	98	70	154	41	33	73	93	77	67	42	37	24	76	41
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	3,487	515	859	545	1,002
Steenbok	1	4	9	8	12	7	10	3	4	16	4	8	24	10	15	4		2	8	17
H. Zebra	567	744	629	631	728	777	621	1,054	1,623	1,152	1,845	1,122	1,016	1,253	770	602	279	266	107	146

### Trends- Number of animals per 100km



### Animals seen during this count and minimum estimates

	Total	Etendeka	Palmwag
Total Route km	684	135	549
Total area (km <sup>2</sup> )	6,524	633	5,891
Number of routes	14	3	11
% area excluded	87	44	43

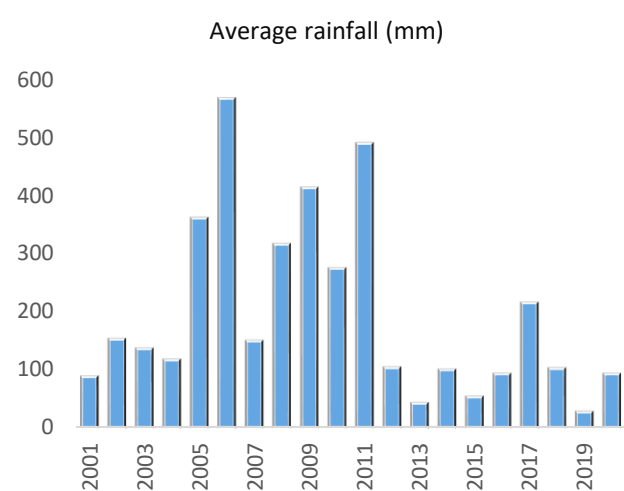
Values without brackets are numbers of animals seen along transects. Values inside brackets are minimum estimates assuming all animals within 500m on each side of the transect line are detected i.e. there is no adjustment for drop off in detection with distance from the transect line. In addition, for springbok, gemsbok and giraffe, large groups were excluded from extrapolations and added afterwards.

Species	Etendeka	Palmwag
Gemsbok	58 (134)	72 (335)
Giraffe	40 (52)	15 (30)
Kudu	5 (11)	2 (13)
Ostrich		41 (267)
Springbok	123 (287)	879 (4,376)
Steenbok	5 (16)	12 (32)
Hartmann's Zebra	49 (103)	97 (703)

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



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.

### Vegetation



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-Apr) and the trend indicates the average deviation of the concession areas from the long-term mean, in each year.

### NDVI - percentage difference from long term mean

