

GAME COUNTS IN HARDAP GAME PARK AND NAUTE RECREATION RESORT

May 2021

Hardap Game Park:

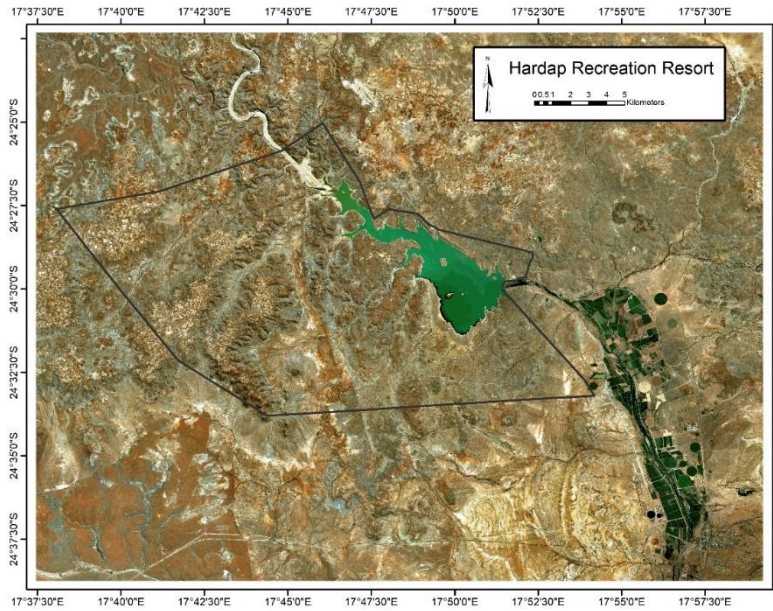
Total Population Estimates

Species	Estimate	Lower 95% CL	Upper 95% CL	Model
Gemsbok	303	65	1,969	HN
Kudu	-	-	-	-
Ostrich	-	-	-	-
Springbok	917	501	1,677	HN
Hartmann's Zebra	271	46	1,615	U

Estimates were calculated using DISTANCE. Model selection: U = uniform key; HN = half normal

Total numbers seen per year

Species	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Baboon					16	17		7	17	62		84	17	3	4	31	27
Gemsbok	47	129	77	113	237	205	178	225	393	206	603	480	427	248	85	19	65
Jackal	3	6	3	8	7	2	3	11	4	5	4	10	7	4	4	5	1
Klipspringer		2															
Kudu	66	55	34	36	56	18	40	46	72	19	5	22	27	25	5	7	1
Ostrich	78	160	82	40	48	44	63	51	82	27	93	49	62	53	6	26	
Springbok	379	606	322	372	390	581	676	454	351	222	234	402	455	445	310	380	176
Steenbok	16	4	4	4	5	2	4		3	4	5	6	1	2	6		4
Warthog	3	6	9	5	6	4	2	29	22	14	18	11	6	4		2	4
Hartmann's Zebra	6	12	18	16	43	26	108	38	93	14	50	156	80	75	51	26	82

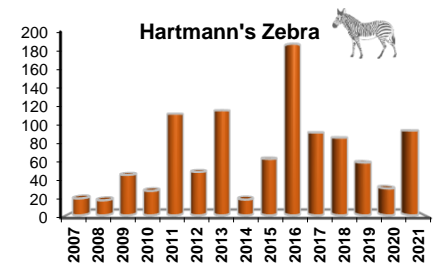
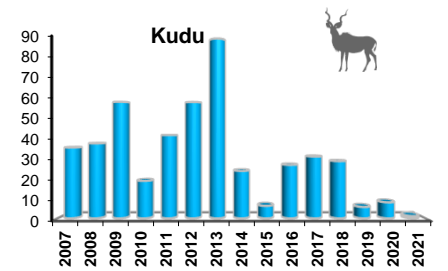


Animals seen in this count:

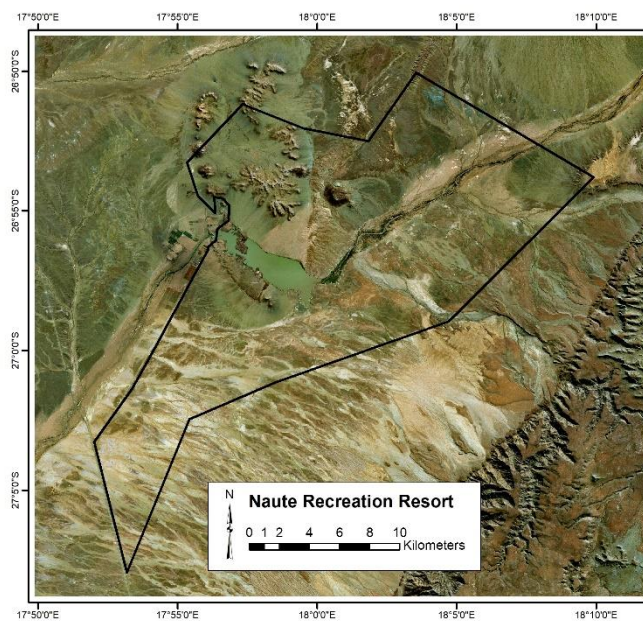
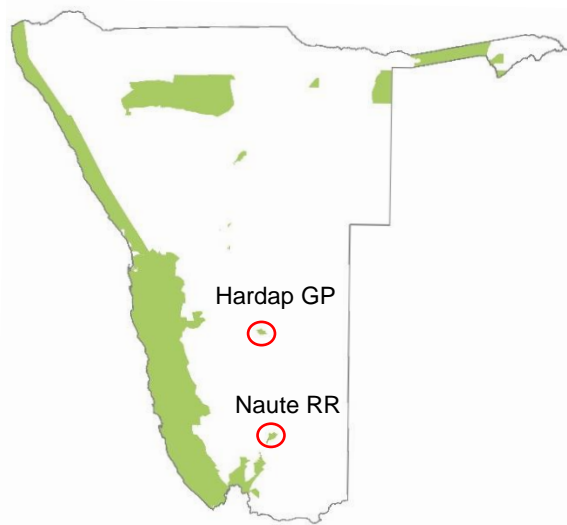
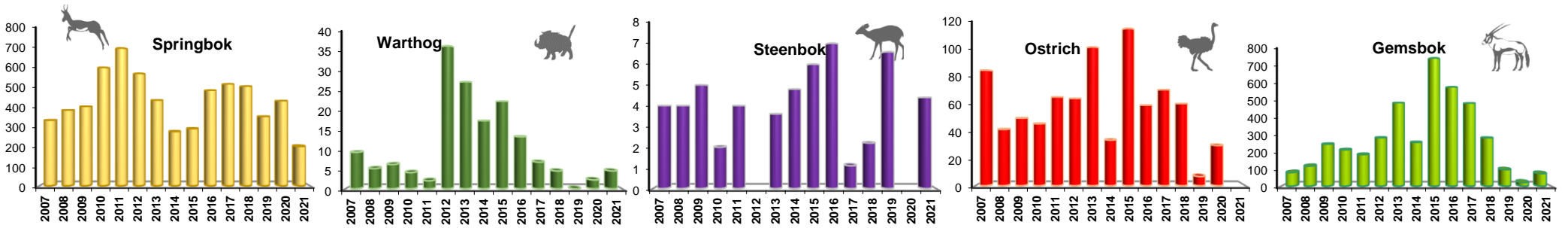
Total Route km	87
Number of routes	2
Total area (km ²)	238

Count area
23,800 ha

Species	Total	Route 1	Route 2
Baboon	27	20	7
Gemsbok	65	51	14
Jackal	1	1	
Klipspringer	0		
Kudu	1		1
Ostrich	0		
Springbok	176	49	127
Steenbok	4	2	2
Warthog	4	4	
Hartmann's Zebra	82	10	72



Trends: Number of animals per 100km



Naute Recreation Resort:

Animals seen in this count:

Species	Total	Route 1	Route 2	Route 3
Baboon				
Gemsbok	39	30		9
Jackal	1	1		
Kudu	2	2		
Ostrich	35	9	14	12
Springbok	115	22	84	9
Steenbok	2		1	1
Warthog				
Hartmann's Zebra	2	2		

Estimates:

Species	Estimate	Lower 95% CL	Upper 95% CL	Model
Gemsbok	76	39	188	U
Ostrich	76	36	160	U
Springbok	228	116	446	U

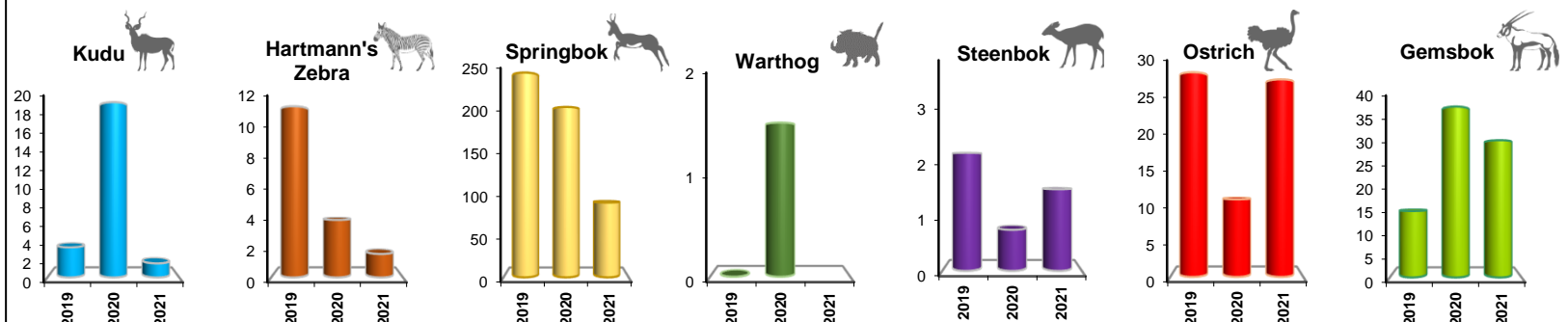
More years of count data are required to derive sensible estimates for other species

Total numbers seen per year

Species	2019*	2020	2021
Baboon		50	
Gemsbok	13	48	39
Jackal	4	2	1
Kudu	3	25	2
Ostrich	25	14	35
Springbok	222	262	115
Steenbok	2	1	2
Warthog		2	
Hartmann's Zebra	10	5	2

*Route 3 was only added after 2019

Trends: Number of animals per 100km



Total Route km	136
Number of routes	3
Total area (km ²)	367
Area excluded (km ²)	64

Count area
~30,000 ha