

Gondwana Kalahari Park

Game Count 2013



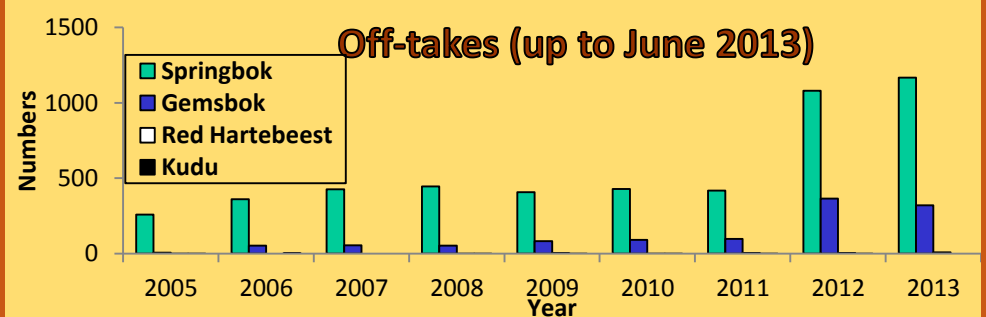
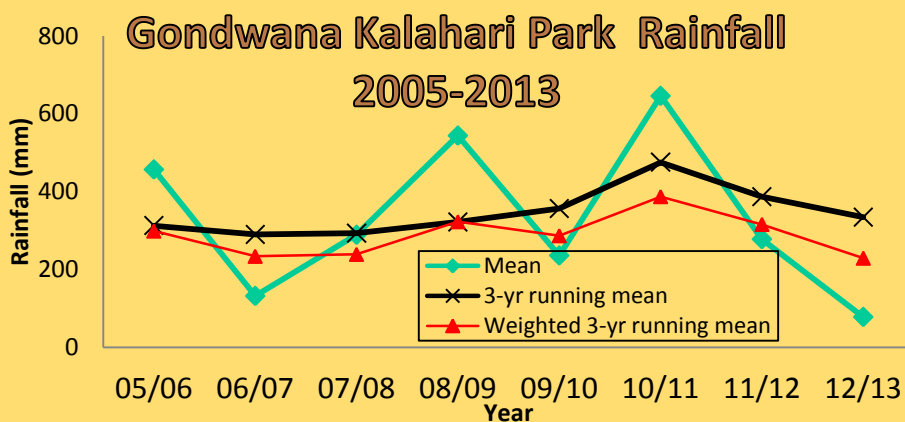
Objectives Of Counting

Objective	Reasons why information is needed
1. Estimate the Numbers of game How many?	For: <ul style="list-style-type: none"> estimating biomass to manage the veld conditions and inter-specific competition setting reasonable off-take quotas determining the value of the Park's wildlife providing information to visitors.
2. Produce wildlife Distribution maps Where are they?	For: <ul style="list-style-type: none"> land-use planning and zonation; monitoring veld condition in areas of high game concentrations; tracking distribution changes in response to rainfall or human factors such as water distribution, removal of fences etc.
3. Monitor Population Changes Is wildlife increasing or decreasing?	For: <ul style="list-style-type: none"> monitoring changes per species; To assist management to achieve its objectives for wildlife management, biodiversity conservation and the protection of rare /vulnerable species.

Route & Species Parameters

Route Parameters	ROUTES					Totals
	1	2	3	4	5	
Route Length (km)	17.7	25.4	27	33	14.6	117.7
Correction Factor	1.0	1.5	1.3	1.3	1.0	

SPECIES	SPECIES CORRECTION FACTORS
Gemsbok	1.5
Springbok	1.8
Kudu	1.2
Red Hartebeest	1.2
Steenbok	15.0
Ostrich	1.2
Zebra	1.2
Wildebeest	1.2
Duiker	10.0



Changes In Population Numbers 2005-2013

	2005	2007	2008	2009	2011	2012	2013
Gemsbok	88	257	283	214	1024	560	756
Springbok	1558	2008	1917	1905	4760	4546	2877
Kudu	13	21	4	16	87	63	29
Red Hartebeest	36	96	132	125	217	258	185
Steenbok	199	226	377	307	506	572	381
Ostrich	61	127	149	68	185	406	263
Wildebeest		40	41	44	102	126	151
Duiker		13			15	13	15
Eland (known)				16	36	45	70
Zebra (known)		23	30	40	62	48	75
Giraffe (known)					7	7	7
Total	1955	2799	2933	2718	6379	6644	4808

Total Estimated Grazing Wildlife Biomass

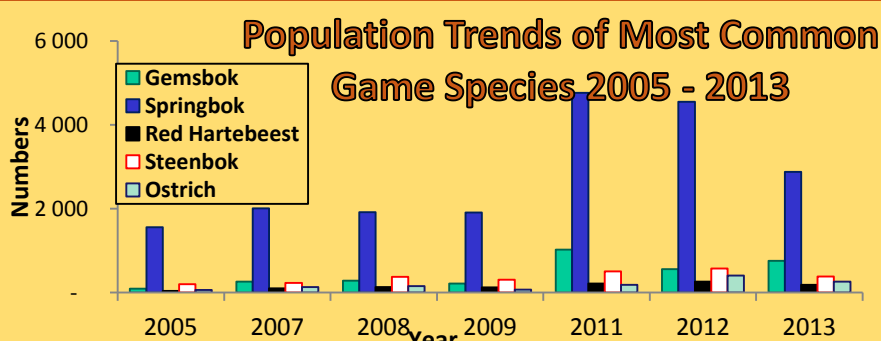
Year:	2005	2007	2008	2009	2011	2012	2013	TARGET RANGE
Biomass (kg/ha):	6.92	13.81	15.10	12.45	37.74	32.5	30.05	7 – 30 kg/ha

Notes; Current grazing biomass exceeds the target range. An intensive off-take programme has been in place since September 2011 to bring the grazing biomass down and this is now taking effect.

Off-take Quotas 2013-2014

Species	Trophy animals	Other Off-takes	Total Off-takes
Springbok	20	2000	2020
Gemsbok	20	150	170
Red Hartebeest	20	30	50
Wildebeest	20	0	20
Ostrich	>20	0	>20
Zebra	20	0	20

Notes; Emphasis on males, except Springbok (males & females) and Gemsbok, (males & old females) so remaining populations can recover quickly if conditions improve. Breeding and territorial males to be avoided. Heavy impact on Springbok numbers, as there is evidence in the browse line that they have exceeded their carrying capacity.



Thank You

To Everyone!



For more information contact:
 Trygve & Sue Cooper
 Park Wardens, Gondwana Cañon Park
 E-mail: gcpark@gondwana-collection.com