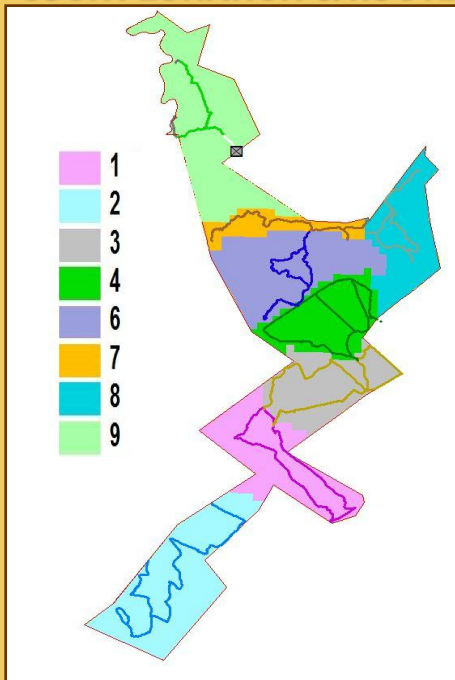


# GONDWANA CAÑON PARK

## GAME COUNT 2013



### COUNT ZONATION & ROUTES



### ROUTE & SPECIES PARAMETERS

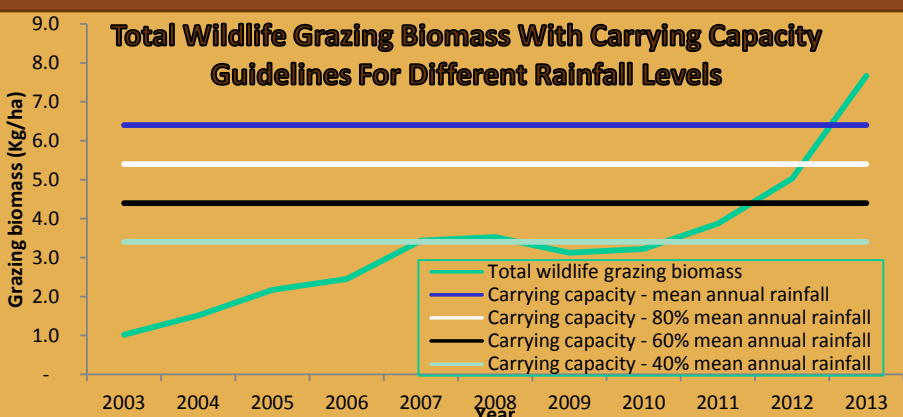
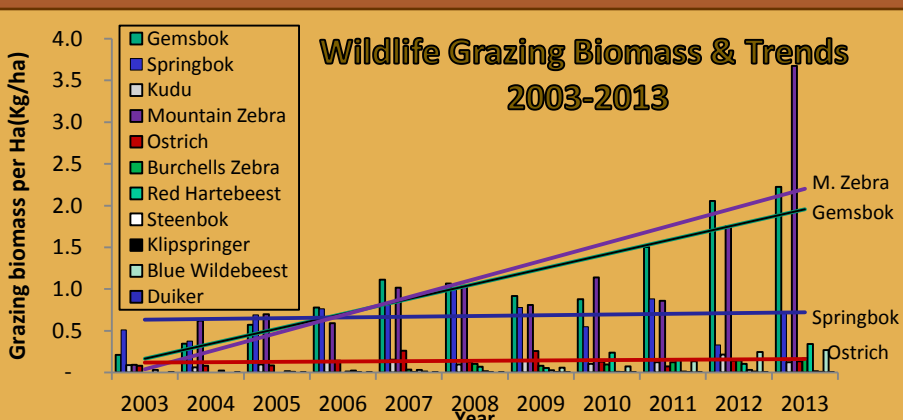
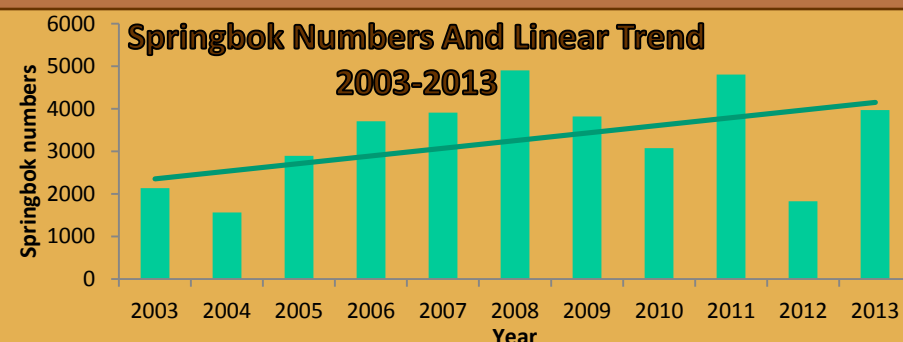
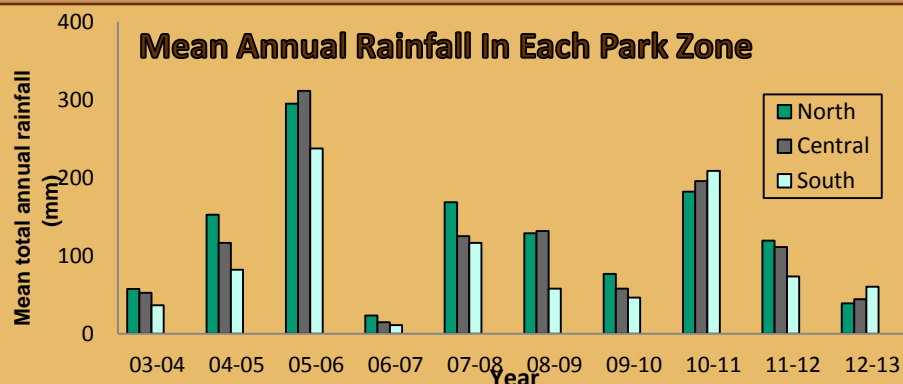
Route Parameters	ROUTES								
	1	2	3	4	6	7	8	9	
Route Length (km)	46.2	52.0	51.2	54.0	32.2	31.0	32.0	23.0	
Area of Zone (km <sup>2</sup> )	155	225	134	126	260	55	128	170	
Duration of Count (hrs)	4:25	6:00	7:00	5:00	5:00	4:50	2:50	1:50	

SPECIES/ROUTE	EFFECTIVE STRIP WIDTHS (m) (Area effectively surveyed either side of road)								
	1	2	3	4	6	7	8	9	
Gemsbok	352	625	432	435	424	424	519	424	
Springbok	349	332	289	335	289	229	308	308	
Kudu	254	181	329	287	339	223	339	501	
Mountain Zebra	499	376	442	800	569	468	499	499	
Ostrich	497	447	386	601	598	450	445	445	
Red Hartebeest	474	474	409	464	474	474	474	474	
Steenbok	48	66	71	72	53	53	53	53	
Klipspringer	115	250	206	216	274	152	450	216	
Black-backed Jackal	102	102	102	102	102	102	102	102	

### OBJECTIVES OF COUNTING

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

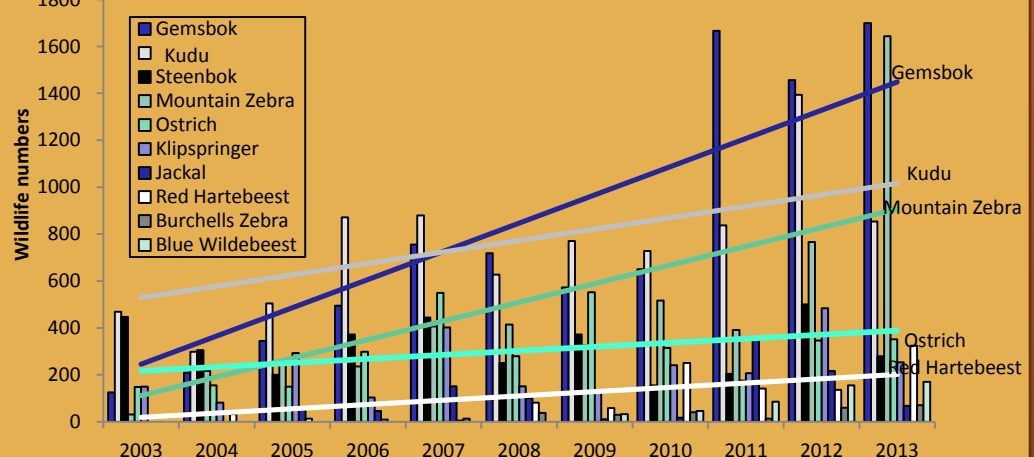


### Wildlife Population Estimates 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gemsbok	125	210	345	495	756	718	573	651	1667	1456	1699
Springbok	2 138	1563	2898	3707	3910	4902	3822	3078	4808	1826	3970
Kudu	469	299	505	872	879	627	771	728	837	1393	854
Steenbok	447	306	200	372	445	251	372	155	204	500	280
Mountain Zebra	32	217	243	236	406	414	326	517	391	766	1643
Ostrich	149	156	150	299	549	280	552	315	176	347	352
Red Hartebeest	0	33	13	9	5	82	58	251	142	136	324
Klipspringer	150	82	293	104	402	151	126	242	207	484	253
Jackal	0	0	51	46	151	101	11	18	360	217	68
Burchell's Zebra	Known numbers		8	13	38	30	41	51	60	71	
Blue Wildebeest	Known numbers		34	46	86	155	170				
<b>Total</b>	<b>3510</b>	<b>2 866</b>	<b>4 698</b>	<b>6148</b>	<b>7 564</b>	<b>7 543</b>	<b>6675</b>	<b>6042</b>	<b>8929</b>	<b>7340</b>	<b>9684</b>

**Notes:** Mountain Zebra numbers were up in 2013 due to movement into the park from the west to take advantage of the artificial waters and better grazing.

### Wildlife Numbers & Linear Trends 2003-2013



Thank You to everyone!



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