

GAME COUNTS: KAVANGO EAST

July 2020



Estimates

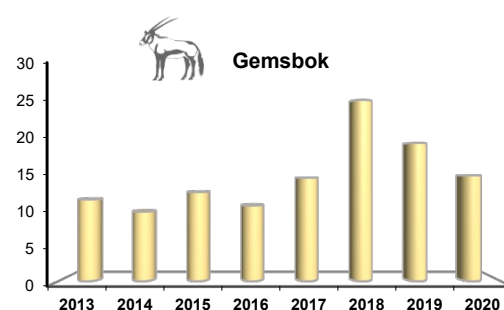
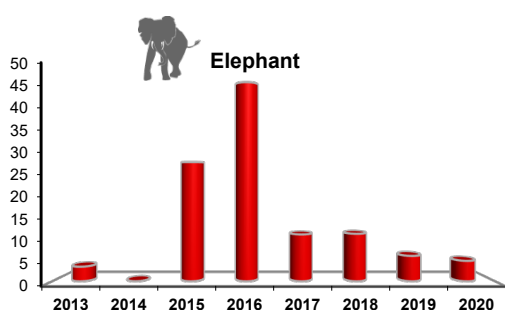
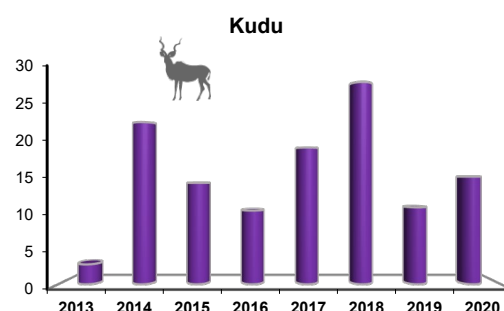
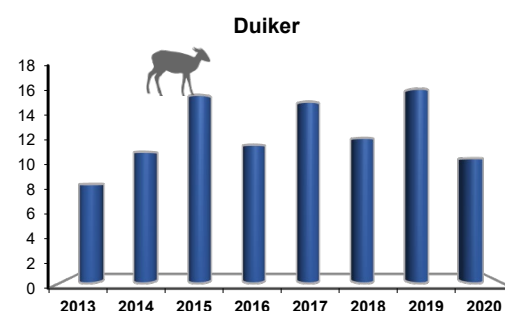
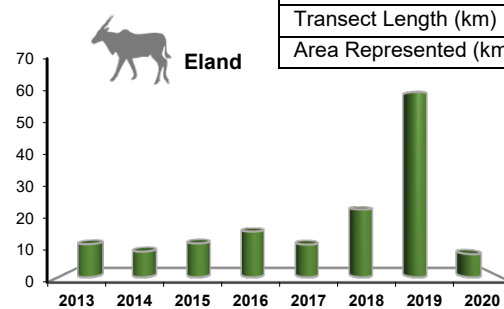
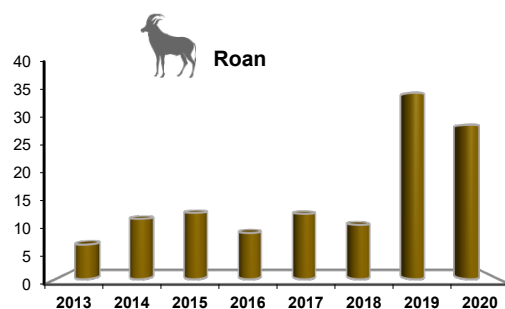
Species	George Mukoya		Muduva Nyangana	
	Estimate	95% CI Range	Estimate	95% CI Range
Duiker (HN)	390	266-571	174	82-369
Eland (U)	61	16-232	158	50-503
Gemsbok (U)	271	120-610	85	27-261
Giraffe (U)	215	124-374	119	55-255
Kudu (U)	237	130-431	94	26-347
Roan (U)	401	180-893	245	64-933
Steenbok (HN)	202	120-341	46	20-109

Estimates are derived using DISTANCE analysis which takes account of drop-off in detectability with distance from the transect line. Sightings from all counts were used to determine species detection profiles. Model: U=uniform; HN=half normal. **Care should be taken when considering these estimates for quota setting purposes.**

Animals seen

Species	Transects					
	George Mukoya		Muduva Nyangana		Total Seen	Total Groups
	Seen	Groups	Seen	Groups		
Duiker	29	25	13	13	42	38
Eland	8	2	22	6	30	8
Elephant	11	4	8	3	19	7
Gemsbok	39	11	20	4	59	15
Giraffe	60	14	39	9	99	23
Hyaena	0	0	1	1	1	1
Kudu	41	13	19	4	60	17
Ostrich	2	2	3	2	5	4
Roan	69	9	49	6	118	15
Steenbok	15	13	4	4	19	17
Vervet Monkey	21	1	20	1	41	2
Warthog	10	4	2	1	12	5
Wildebeest	23	3	0	0	23	3

Trends overall: Animals per 100km



	George Mukoya	Muduva Nyangana
Transects	24	11
Transect Length (km)	254	152
Area Represented (km²)	238	122

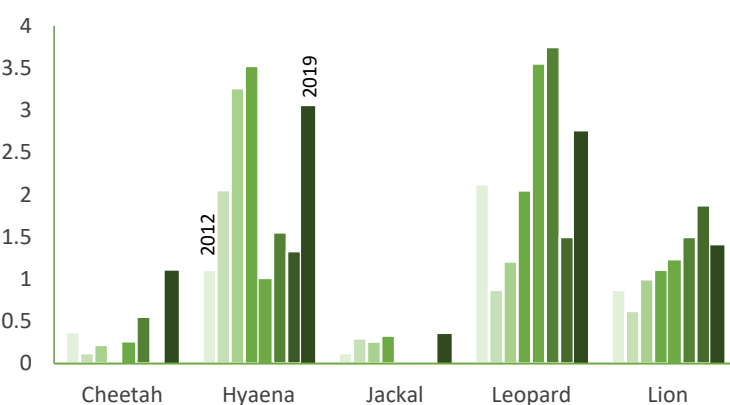
Sightings: previous 5 years

Species	Animals					Groups				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
Duiker	56	43	56	42	61	53	40	47	38	51
Eland	39	55	39	76	225	11	15	10	16	21
Elephant	98	171	40	38	22	9	15	8	7	7
Gemsbok	44	39	53	87	72	13	17	18	10	18
Giraffe	105	89	106	135	75	26	15	31	22	19
Hyaena	2	1				2	1			
Impala	1	34		15		1	2		1	
Kudu	50	38	70	96	40	13	14	14	14	15
Leopard			2					1		
Ostrich	8	5	1	14	2	3	4	1	4	2
Porcupine					2					1
Roan	44	32	45	35	130	9	10	17	9	24
Steenbok	20	7	10	16	16	16	7	9	14	15
V. Monkey	69	8	45	41		4	2	3	3	
Warthog	32	4	9	10	6	8	2	4	4	2
Wild dog	3			6		1			2	
Wildebeest			4	37	60			1	2	5

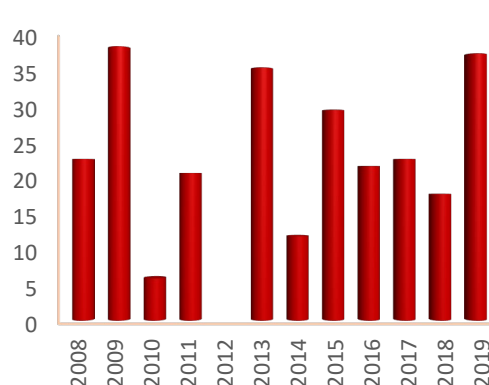
Supplementary Data

(Event Book (predators and mortalities) & rainfall from FEWS (Famine Early Warning System) (<http://www.fews.net/>))

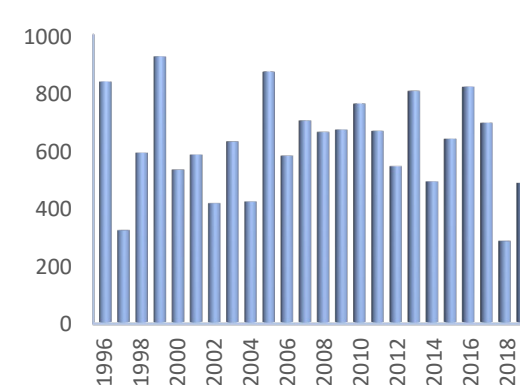
Predator Sighting Index



Mortalities (animals)



Rainfall Season (Jul-Jun) (mm)



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<http://conservationphotographyinamibia.com>