

Supplementary Information

Densities and population sizes of raptors in Uganda's conservation areas

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Table S1: Transect details. (a) Combined distance and number of transects surveyed in each year and land use type. Figures include repeat surveys of some transects, i.e. 'out and back'. (b) Number of surveys made of each transect in each year of study

Table S1A

Year	Total distance (km) and number of transects surveyed in each land use type:									Total
	Agricultural			Pastoral			Savanna			
2008	110	12%	3	9	1%	1	784	87%	22	903
2009	22	7%	1	0	0%	0	309	93%	9	331
2010	568	29%	10	463	24%	10	896	46%	22	1 927
2011	519	32%	9	394	24%	9	706	44%	19	1 619
2012	556	32%	10	394	23%	8	776	45%	21	1 726
2013	507	30%	8	394	23%	8	779	46%	21	1 680
2014	482	39%	8	363	29%	7	405	32%	16	1 250
2015	595	34%	10	394	22%	8	763	44%	21	1 752
Total:	3 359	30%		2 411	22%		5 418	48%		11 188

Table S1B

Land use	Transect identifier	Year							
		2008	2009	2010	2011	2012	2013	2014	2015
Agricultural	2			1	1	2	1		1
	7			1	1	1	1	1	1
	24			2	2	2	2	2	2
	38	1	1	1	1	1	1	1	1
	39			1	1	1	1	1	1
	41	1		1	1	1	1	1	2
	44			1	1	1	1	1	1
	68	1		1	1	1		1	1
	72			1					
Pastoral	1			2	1	1	1	1	1
	12			1	1	1	1	1	1
	17			1	1				
	21			1	1				
	28			2	2	2	2	2	2
	32			2	2	2	2	1	2
	66	1		1	1	1	1	1	1
	70					1	1	1	1
Savanna	3	1	1	1	1	1	1	1	1
	8	1	1	1	1	1	1	1	1
	9	1	1			1	1	1	
	13	1	1	1	2	2	2	2	2
	18	2	1	1	1	2	2	1	2
	22	1	1	1	1	1	1	1	1
	25	1	1	1	1	1	1	1	1
	29	1	1	1	1	1	1	1	1
	33	1			1	1	1	1	1
	35	2	1	1	1	2	2	2	2
	43	1		1	1	1	1		1
	45	2		2	2	2	2		2
	47	1		1	1	1	1		1
	49			1					
	50			1					
	51			1					
	52			1					
	53			1					
	54	1		1	1	1	1	1	1
	56	1		1	1	1	1	1	1
	58	1			1	1		1	1
	60			2			1	1	1
	61	2		1	2	1	1		1

Table S2: Associations between potential explanatory variables and the presence and abundance of each species. Binomial models show variables correlated with a given species' presence on a transect survey. Poisson models show variables correlated with the number of individuals detected. The latter were restricted to cases where at least one individual of the target species was recorded

Species	Model type	n ¹	Term	z	p	Condition	Effect	±SE	
African Hawk-eagle <i>Aquila spilogaster</i>	Binomial	259	Intercept	-0.27	0.79	-	-0.333	1.229	
			Transect length	1.70	0.09	.	0.011	0.007	
			Altitude	-2.26	0.02	*	-0.002	0.001	
Steppe Eagle <i>A. nipalensis</i>	Poisson	20	Intercept	1.55	0.12	-	0.300	0.193	
	Binomial	259	Intercept	-3.67	0.00	***	-15.053	4.099	
			Log transect length	3.06	0.00	**	2.218	0.724	
			Land use	2.94	0.00	**	Savanna	2.845	0.967
			Rainfall	1.83	0.07	.	> 950 mm	2.056	1.123
	Poisson	18	Intercept	5.62	0.00	***	5.099	0.906	
			External observer(s)	-2.19	0.03	*	Present	-1.602	0.730
			Transect length	-5.19	0.00	***	-0.029	0.006	
			Land use	-2.77	0.01	**	Pastoral	-2.076	0.749
			Tree cover	-6.16	0.00	***	Heavy/ closed canopy	-2.000	0.325
Tawny Eagle <i>A. rapax</i>	Binomial	231	Intercept	-4.61	0.00	***	-2.542	0.551	
			External observer(s)	3.89	0.00	***	Present	2.078	0.534
			Land use	1.85	0.06	.	Pastoral	1.337	0.723
	Poisson	74	Intercept	-0.76	0.44	-	-0.289	0.376	
			Transect length	1.90	0.06	.	0.008	0.004	
			Land use	2.53	0.01	*	Savanna	0.797	0.315
Black-chested Snake-eagle <i>Circaetus pectoralis</i>	Binomial	231	Intercept	-5.18	0.00	***	-6.116	1.179	
			External observer(s)	3.58	0.00	***	Present	3.886	1.083
			Transect length	2.84	0.00	**	0.020	0.007	
	Poisson	29	Intercept	0.00	1.00	-	-0.000	0.577	
			Land use	0.67	0.50	-	Savanna or pastoral	0.405	0.599
Brown Snake-eagle <i>C. cinereus</i>	Binomial	254	Intercept	-4.50	0.00	***	-5.349	1.189	
			Transect length	3.95	0.00	***	1.094	0.277	
			Land use	1.72	0.08	*	Savanna or pastoral	0.833	0.483
	Poisson	85	Intercept	1.61	0.11	-	0.288	0.179	
			Transect length	2.18	0.03	*	0.005	0.002	
			Altitude	-1.40	0.16	-	1150–1400 m	-0.345	0.246
Short-toed Snake-eagle <i>C. gallicus</i>	Binomial	259	Intercept	-4.63	0.00	***	-3.461	0.746	
			Transect length	2.17	0.03	*	0.018	0.008	
			Rainfall	-2.46	0.01	*	> 950 mm	-1.755	0.713
	Poisson	14	Intercept	-0.48	0.63	-	-0.240	0.494	
			Transect length	1.71	0.09	.	0.010	0.006	
Western Banded Snake-eagle <i>C. cinerascens</i>	Binomial	259	Intercept	-1.52	0.13	-	-2.461	1.619	
			Land use	-0.43	0.67	-	Savanna	-0.618	1.437
				1.70	0.09	.	Pastoral	2.391	1.403
			Altitude	-1.64	0.10	-	1000–1100 m	-2.172	1.324
				-2.12	0.03	*	1150–1400 m	-3.461	1.631

Species	Model type	n ¹	Term	z	p	Condition	Effect	±SE	
Western Banded Snake-eagle	Poisson	20	Intercept	1.55	0.12	-	0.300	0.192	
African Fish-eagle	Binomial	259	Intercept	-4.22	0.00	***	-	-3.649	0.864
<i>Haliaeetus vocifer</i>			Transect length	2.09	0.04	*	-	0.020	0.010
			Land use	3.30	0.00	***	Savanna	2.394	0.725
			Rainfall	-2.86	0.00	**	> 950 mm	-1.769	0.618
	Poisson	43	Intercept	1.63	0.10	-	0.492	0.301	
			External observer(s)	2.10	0.04	*	Present	0.632	0.301
Booted Eagle	Binomial	259	Intercept	-1.81	0.07	.	-	-46.580	25.730
<i>Hieraaetus pennatus</i>	Poisson	8	Intercept	1.40	0.16	-	0.405	0.289	
Wahlberg's Eagle	Binomial	254	Intercept	-6.36	0.00	***	-	-3.086	0.485
<i>H. wahlbergi</i>			Transect length	5.21	0.00	***	-	0.030	0.006
			Land use	-2.38	0.02	*	Savanna	-0.989	0.414
			Tree cover	3.22	0.00	**	Heavy/ closed canopy	1.343	0.417
	Poisson	52	Intercept	1.58	0.11	-	0.345	0.218	
			Altitude	3.07	0.00	**	1150–1400 m	0.734	0.239
Long-crested Eagle	Binomial	259	Intercept	-2.93	0.00	**	-	-1.598	0.544
<i>Lophaetus occipitalis</i>			Transect length	5.43	0.00	***	-	0.046	0.009
			Land use	-2.61	0.01	**	Savanna	-1.201	0.459
	Poisson	110	Intercept	0.80	0.42	-	0.167	0.208	
			Transect length	6.60	0.00	***	-	0.015	0.002
			Rainfall	-2.54	0.01	*	> 950 mm	-0.377	0.148
Martial Eagle	Binomial	259	Intercept	-5.77	0.00	***	-	-5.904	1.023
<i>Polemaetus bellicosus</i>			Transect length	3.39	0.00	***	-	0.023	0.007
			Land use	3.81	0.00	***	Savanna	2.644	0.694
			Rainfall	2.15	0.03	*	> 950 mm	1.109	0.516
	Poisson	29	Intercept	1.66	0.10	.	-	0.270	0.162
Bateleur	Binomial	254	Intercept	-4.18	0.00	***	-	-2.254	0.539
<i>Terathopius ecaudatus</i>			Transect length	2.58	0.01	**	-	0.019	0.008
			Land use	4.33	0.00	***	Savanna	2.159	0.498
			Tree cover	2.13	0.03	*	Heavy/ closed canopy	0.972	0.456
			Rainfall	-2.39	0.02	*	> 1150 mm	-1.245	0.519
	Poisson	119	Intercept	0.61	0.54	-	0.189	0.308	
			Transect length	2.07	0.04	*	-	0.006	0.003
			External observer(s)	1.79	0.07	.	Present	0.338	0.188
			Land use	1.70	0.09	.	Savanna	0.479	0.282
Common Kestrel	Binomial	259	Intercept	-3.17	0.00	**	-	-7.988	2.518
<i>Falco tinnunculus</i>			Log transect length	2.02	0.04	*	-	1.305	0.644
	Poisson	19	Intercept	3.01	0.00	**	-	1.450	0.482
			Transect length	1.33	0.18	-	0.008	0.006	
			Altitude	-3.21	0.00	**	1000–1100 m	-1.586	0.493
				-3.12	0.00	**	1150–1400 m	-1.802	0.576
Grey Kestrel	Binomial	259	Intercept	-4.66	0.00	***	-	-2.534	0.543
<i>F. ardosiaceus</i>			Transect length	4.04	0.00	***	-	0.037	0.009
			Altitude	-2.38	0.02	*	1150–1400 m	-1.530	0.642

Species	Model type	n ¹	Term	z	p	Condition	Effect	±SE	
Grey Kestrel	Poisson	69	Intercept	-2.10	0.04	*	-	-1.100	0.523
			Log transect length	3.51	0.00	***	-	0.419	0.119
			Land use	3.69	0.00	***	Savanna	0.656	0.178
			Tree cover	-2.15	0.03	*	Heavy/ closed canopy	-0.388	0.181
Red-necked Falcon <i>F. ruficollis</i>	Binomial	254	Intercept	-4.03	0.00	***	-	-12.119	3.008
			Log transect length	2.63	0.01	**	-	1.387	0.527
			Land use	2.36	0.02	*	Savanna	3.182	1.348
			Tree cover	-1.86	0.06	.	Heavy/ closed canopy	-1.517	0.812
			Rainfall	2.29	0.02	*	1000–1150 mm	2.727	1.189
						</			

Species	Model type	n ¹	Term	z	p		Condition	Effect	±SE			
Grasshopper Buzzard <i>Butastur rufipennis</i>	Binomial	259	Intercept	-2.73	0.01	**	-	-11.740	4.299			
			Log transect length	1.99	0.05	*	-	1.855	0.931			
			Land use	3.21	0.00	**	Savanna	4.995	1.556			
				1.68	0.09	.	Pastoral	2.721	1.611			
			Altitude	-2.20	0.03	*	1000–1400 m	-3.071	1.393			
			Rainfall	3.48	0.00	***	> 950 mm	4.002	1.148			
	Poisson	78	Intercept	-1.02	0.30		-	-0.686	0.669			
			External observer(s)	3.48	0.00	***	Present	0.984	0.282			
			Land use	1.52	0.13		Savanna	0.910	0.597			
				-1.25	0.21		Pastoral	-0.703	0.560			
			Tree cover	-0.50	0.62		Heavy	-0.097	0.194			
				-3.27	0.00	**	Forest	-2.277	0.695			
			Altitude	3.78	0.00	***	1000–1400 m	0.719	0.190			
			Rainfall	1.59	0.11		1000–1150 mm	1.048	0.659			
				0.82	0.41		1200–1400 mm	0.557	0.675			
Eurasian Buzzard <i>Buteo buteo</i>	Binomial	258	Intercept	-3.61	0.00	***	-	-5.359	1.483			
			Log transect length	2.39	0.02	*	-	0.759	0.317			
			Land use	1.66	0.10	.	Savanna or pastoral	1.167	0.702			
			Altitude	-2.72	0.01	**	1000–1400 m	-1.362	0.499			
	Poisson	23	Intercept	-0.52	0.60		-	-0.573	1.091			
			Log transect length	0.64	0.52		-	0.174	0.271			
			Tree cover	1.46	0.14		Heavy/ closed canopy	0.534	0.365			
			Lizard Buzzard <i>Kaupifalco monogrammicus</i>	Binomial	259	Intercept	-4.60	0.00	***	-	-7.846	1.703
						Log transect length	3.28	0.00	**	-	1.319	0.402
Rainfall	1.78	0.07				.	1000–1150 mm	1.213	0.681			
	3.99	0.00	***	1200–1400 mm	2.658	0.665						
Dark Chanting-goshawk <i>Melierax metabates</i>	Poisson	46	Intercept	6.18	0.00	***	-	0.798	0.129			
			External observer(s)	-1.79	0.07	.	Present	-0.411	0.229			
	Binomial	231	Intercept	-0.55	0.58		-	-0.679	1.215			
			External observer(s)	2.08	0.04	*	Present	1.421	0.683			
			Land use	-0.07	0.94		Savanna	-0.088	1.213			
				1.81	0.07	.	Pastoral	2.327	1.284			
			Altitude	-2.94	0.00	**	1000–1100 m	-2.711	0.920			
				-3.48	0.00	***	1150–1400 m	-4.067	1.167			
	Poisson	55	Intercept	1.51	0.13		-	0.992	0.654			
Log transect length			0.72	0.47		-	0.118	0.162				
Land use			0.85	0.40		Pastoral	0.177	0.208				
Rainfall			-5.47	0.00	***	> 950 mm	-1.102	0.201				
European Honey-buzzard <i>Pernis apivorus</i>	Binomial	259	Intercept	-4.09	0.00	***	-	-7.924	1.936			
			Land use	2.58	0.01	**	Savanna	4.681	1.814			
				1.89	0.06	.	Pastoral	3.670	1.935			
			Rainfall	2.61	0.01	**	1000–1150 mm	2.537	0.970			
				2.71	0.01	**	1200–1400 mm	3.189	1.175			

Species	Model type	n ¹	Term	z	p	Condition	Effect	±SE				
European Honey-buzzard	Poisson	51	Intercept	2.88	0.00	**	-	0.893	0.310			
			External observer(s)	2.27	0.02	*	Present	0.729	0.320			
			Tree cover	-2.50	0.01	*	Heavy/ closed canopy	-0.769	0.307			
African Harrier-hawk <i>Polyboroides typus</i>	Binomial	258	Intercept	-5.54	0.00	***	-	-7.119	1.285			
			Log transect length	4.74	0.00	***	-	1.525	0.322			
			Altitude	-2.46	0.01	*	1150–1400 m	-1.295	0.526			
	Poisson	40	Intercept	-0.15	0.88		-	-0.148	0.962			
			External observer(s)	-2.43	0.01	*	Present	-0.805	0.330			
			Log transect length	0.84	0.40		-	0.184	0.218			
			Land use	0.84	0.40		Savanna	0.327	0.387			
				-1.20	0.23		Pastoral	-0.549	0.457			
Black-winged Kite <i>Elanus caeruleus</i>	Binomial	254	Intercept	-3.23	0.00	**	-	-6.052	1.871			
			Log transect length	2.83	0.00	**	-	1.318	0.465			
			Land use	-1.93	0.05	.	Savanna	-1.347	0.698			
			Tree cover	-1.95	0.05	.	Heavy/ closed canopy	-1.418	0.727			
	Poisson	40	Intercept	3.61	0.00	***	-	0.848	0.235			
			External observer(s)	-2.36	0.02	*	Present	-0.614	0.260			
			Black Kite <i>Milvus migrans</i>	Binomial	259	Intercept	-2.12	0.03	*	-	-4.223	1.988
						Log transect length	3.48	0.00	***	-	1.956	0.562
Land use	-4.07	0.00				***	Savanna	-4.074	0.999			
Rainfall	2.22	0.03				*	> 950 mm	1.824	0.821			
Poisson	143	Intercept		-4.08	0.00	***	-	-4.225	1.034			
		External observer(s)		-3.11	0.00	**	Present	-0.399	0.128			
		Log transect length		7.10	0.00	***	-	1.844	0.260			
		Altitude		-1.89	0.06	.	1000–1100 m	-1.019	0.538			
		-0.28	0.78		1150–1400 m	-0.156	0.547					
Osprey	Binomial	259	Intercept	-6.09	0.00	***	-	-6.375	1.045			
<i>Pandion haliaetus</i>	Poisson	12	Intercept	-0.33	0.74		-	-0.189	0.567			
			Transect length	1.12	0.26		-	0.008	0.007			
Palm-nut Vulture <i>Gypohierax angolensis</i>	Binomial	259	Intercept	-3.81	0.00	***	-	-7.809	2.048			
			Transect length	2.91	0.00	**	-	0.067	0.023			
	Poisson	30	Intercept	-1.05	0.29		-	-1.567	1.489			
			Log transect length	1.65	0.10	.	-	0.542	0.328			
			Altitude	2.34	0.02	*	1000–1100 m	0.622	0.265			
				-1.63	0.10		1150–1400 m	-0.678	0.415			
<i>Gyps</i> species	Binomial	258	Intercept	-0.36	0.72		-	-0.889	2.443			
			Log transect length	3.31	0.00	***	-	1.372	0.415			
			Land use	4.21	0.00	***	Savanna	3.611	0.857			
			Rainfall	-4.00	0.00	***	-	-0.008	0.002			
	Poisson	55	Intercept	-0.96	0.33		-	-1.013	1.046			
			External observer(s)	3.17	0.00	**	Present	0.575	0.181			
			Log transect length	1.68	0.09	.	-	0.314	0.186			
			Land use	1.71	0.09	.	Savanna	1.281	0.747			

Species	Model type	n ¹	Term	z	p		Condition	Effect	±SE
Rüppell's Vulture <i>G. rueppelli</i>	Binomial	254	Intercept	-3.18	0.00	**	-	-8.943	2.808
			Log transect length	1.86	0.06	.	-	1.083	0.581
			Land use	2.46	0.01	*	Savanna	3.811	1.549
				0.52	0.60		Pastoral	1.028	1.950
			Tree cover	-2.33	0.02	*	Heavy/ closed canopy	-2.242	0.960
	Poisson	19	Intercept	-5.04	0.00	***	-	-11.361	2.250
			External observer(s)	2.28	0.02	*	Present	1.359	0.596
			Log transect length	5.20	0.00	***	-	1.502	0.288
			Tree cover	2.81	0.00	**	Heavy/ closed canopy	1.148	0.407
			Rainfall	3.07	0.00	**	-	0.005	0.002
White-backed Vulture <i>G. africanus</i>	Binomial	258	Intercept	-4.78	0.00	***	-	-9.417	1.971
			Log transect length	3.46	0.00	***	-	1.406	0.406
			Land use	4.27	0.00	***	Savanna	5.015	1.175
			Rainfall	-2.42	0.01	*	1000–1150 mm	-1.473	0.608
				-2.75	0.00	**	1200–1400 mm	-3.486	1.269
	Poisson	52	Intercept	0.31	0.76		-	0.176	0.574
			External observer(s)	3.05	0.00	**	Present	0.559	0.184
			Log transect length	2.54	0.01	*	-	0.350	0.138
			Rainfall	-2.61	0.01	**	> 950 mm	-0.645	0.247
Hooded Vulture <i>Necrosyrtes monachus</i>	Binomial	259	Intercept	-2.49	0.01	*	-	-1.489	0.597
			Land use	-2.76	0.01	**	Savanna	-2.233	0.807
				-0.93	0.35		Pastoral	-0.823	0.885
	Poisson	29	Intercept	-2.91	0.00	**	-	-5.931	2.038
			Log transect length	3.39	0.00	***	-	0.548	0.162
			Land use	-2.67	0.01	**	Savanna	-0.886	0.331
				-0.01	0.99		Pastoral	-0.001	0.237
			Tree cover	2.71	0.01	**	Heavy/ closed canopy	0.686	0.253
			Altitude	3.23	0.00	**	-	0.004	0.001
Lappet-faced Vulture <i>Torgos tracheliotos</i>	Binomial	151 ²	Intercept	-3.31	0.00	***	-	-3.714	1.121
			Log transect length	2.79	0.01	**	-	0.839	0.301
			Rainfall	-3.67	0.00	***	> 950 mm	-2.184	0.594
	Poisson	23	Intercept	-0.79	0.43		-	-0.586	0.737
			Log transect length	1.88	0.06	.	-	0.339	0.180
White-headed Vulture <i>Trigonoceps occipitalis</i>	Binomial	259	Intercept	-4.84	0.00	***	-	-8.740	1.805
			Log transect length	2.82	0.00	**	-	1.029	0.365
			Land use	2.77	0.00	**	Savanna	2.916	1.053
	Poisson	16	Intercept	2.80	0.01	**	-	0.550	0.196
			Land use	3.27	0.00	**	Pastoral	1.396	0.426

¹ Number of transect-years included in the model

² Lappet-faced Vulture: data from savanna transects only, since the species was absent from pastoral and agricultural land

Table S3: Survey methods and units used in studies yielding density estimates cited in the Discussion

Species	Location	Units	Method	Source
African Hawk-eagle	Kruger NP, S. Africa	Pairs	Marked birds	Snelling (1970)
<i>Aquila spilogaster</i>	Tsavo NP, Kenya	Pairs	Aerial & ground survey	Smeenk (1974)
	Hwange NP, Zimbabwe	Pairs	Aerial survey	Hustler & Howells (1988)
	Matobo NP, Zimbabwe	Pairs	Ground survey	Steyn (1975)
Tawny Eagle	Tsavo NP, Kenya	Pairs	Aerial & ground survey	Smeenk (1974)
<i>Aquila rapax</i>	Hwange NP, Zimbabwe	Pairs	Aerial survey	Hustler & Howells (1989)
	Kruger NP, S. Africa	Nests	Ground survey	C. Mum <i>in litt.</i> (2018)
Black-chested Snake-eagle <i>Circaetus pectoralis</i>	'tropical Africa'	Pairs	No details	Brown <i>et al.</i> (1997)
Martial Eagle	Tsavo NP, Kenya	Pairs	Aerial & ground survey	Smeenk (1974)
<i>Polemaetus bellicosus</i>	Hwange NP, Zimbabwe	Pairs	Aerial survey	Hustler & Howells (1987)
	Kalahari Gemsbok NP, S. Africa	Active nest areas	Ground survey	Herholdt & Kemp (1997)
	Masai Mara NR, Kenya	Home ranges	Radio telemetry	Ong (2000)
	Kruger NP, S. Africa	Home ranges	GPS tagging	van Eeden <i>et al.</i> (2017)
Bateleur	Kruger NP, S. Africa	Nests	Ground survey	Watson (1990a,b)
<i>Terathopius ecaudatus</i>	Kenya	Pairs	No details	Brown <i>et al.</i> (1997)
Red-necked Falcon	central Namib	Nests	Ground survey	Brown (1988)
<i>Falco ruficollis</i>	Zambia	Nests	Ground survey	Tarboton (2001)
	South Africa	Nests	Ground survey	Tarboton (2001)
	southern Africa	Nests	Ground survey	Tarboton (2001)
Palm-nut Vulture <i>Gypohierax angolensis</i>	Cote d'Ivoire	Pairs	No details	Brown <i>et al.</i> (1997)
White-backed Vulture	Hwange NP, Zimbabwe	Nests	Aerial survey	Howells & Hustler (1984)
<i>Gyps africanus</i>	Linyanti, Botswana	Nests	Aerial & ground survey	Bamford <i>et al.</i> (2009)
	Swaziland	Nests	Aerial & ground survey	Bamford <i>et al.</i> (2009)
	Zululand	Nests	Aerial & ground survey	Bamford <i>et al.</i> (2009)
	Masai Mara GR, Kenya	Nests	Ground survey	Virani <i>et al.</i> (2010)
	Kruger NP, S. Africa	Nests	Aerial survey	Monadjem <i>et al.</i> (2012), Murn <i>et al.</i> (2013)
	Kimberley, SA	Nests	Aerial survey	Murn <i>et al.</i> (2017)
Lappet-faced Vulture	Serengeti NP, Tanzania	Nests	Aerial survey	Pennycuik (1976)
<i>Torgos tracheliotos</i>	Swaziland	Nests	Aerial survey	Monadjem & Garcelon (2005)
	Zululand, S. Africa	Nests	Aerial & ground survey	Bamford <i>et al.</i> (2009)
	Kruger NP, S. Africa	Nests	Aerial survey	Murn <i>et al.</i> (2013)
White-headed Vulture <i>Trigonoceps occipitalis</i>	Serengeti NP, Tanzania	Nests	Aerial survey	Pennycuik (1976), Murn <i>et al.</i> (2016)

Table S4: The area of savanna and total area of National Parks (NP), Wildlife Reserves (WR) and Forest Reserves (FR) included in the study, from data provided by the National Biodiversity Data Bank, extracted from WCS & eCountability (2016). Each Conservation Area comprises a cluster of contiguous protected areas, or a discrete (non-contiguous) protected area

1. Clusters of contiguous protected areas

Conservation area	Combined area (km ²)	Combined savanna (km ²)	Individual sites	Designation	Site area (km ²)	Savanna (km ²)
Murchison-Karuma-Budongo	5 723	5 126	Murchison Falls	NP	3 747	3 726
			Karuma	WR	766	663
			Bugungu	WR	336	327
			Budongo	FR	874	410
Bokoro-Matheniko	3 743	3 188	Bokora	WR	1 823	1 281
			Matheniko	WR	1 722	1 712
			Nangolibwel	FR	198	194
Kidepo	2 239	2 084	Kidepo Valley	NP	880	816
			Lopeichubei	FR	11	11
			Nyangea-Napore	FR	476	448
			Zulia	FR	873	809
QE-Kibale-Kigezi	3 003	1 938	Queen Elizabeth	NP	1 521	1 409
			Kibale	NP	839	402
			Kigezi	WR	122	82
			Kalinzu	FR	140	13
			Kasyoha-Kitomi	FR	382	31
Pian Upe-Kadam	2 442	1 674	Pian Upe	WR	2 040	1 607
			Kadam	FR	402	68
Toro-Semliki-Rwengiri	561	541	Toro-Semliki	WR	560	539
			Rwengiri	FR	2	2
Lake Mburo-Kyahi	355	349	Lake Mburo	NP	313	307
			Kyahi	FR	43	43
Rwenzori-Semuliki	946	115	Mt. Rwenzori	NP	668	54
			Semuliki	NP	218	15
			North Rwenzori	FR	60	46
Kagombe-Kagorra	279	82	Kagombe	FR	161	18
			Kagorra	FR	81	62
			Ibambaro	FR	36	3
Laura-Lyi-Ajupane	56	56	Laura	FR	28	28
			Lyi	FR	24	24
			Ajupane	FR	5	5
Malabigambo-Tero	6	6	Malabigambo	FR	4	4
			Tero (West)	FR	2	2

2. Conservation areas comprising discrete (i.e. non-contiguous) protected areas

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Bwindi	NP	323.0	10.7
Mgahinga	NP	35.6	1.9
Mt. Elgon	NP	813.8	21.0
Ajai	WR	107.7	85.2
Chambura	WR	148.1	145.9
East Madi	WR	694.1	693.2
Kabwoya	WR	86.9	86.9
Katonga	WR	166.8	166.8
Lomunga	WR	122.0	63.3
Aber	FR	0.1	0.1
Abera	FR	12.2	12.2
Abiba	FR	20.1	20.1
Abili	FR	0.1	0.1
Aboke	FR	0.1	0.1
Abuje	FR	2.5	1.5
Abunga	FR	2.3	2.3
Aburiburi	FR	0.4	0.3
Abuya	FR	1.1	0.7
Acet	FR	2.6	2.6
Achuna	FR	1.7	1.7
Achwa River	FR	85.5	85.5
Achwali	FR	3.7	3.7
Achwera	FR	0.2	0.2
Acwao	FR	2.5	2.0
Adekokwok	FR	0.1	0.1
Adero	FR	2.5	2.5
Adjumani	FR	0.5	0.5
Aduku (North)	FR	0.1	0.1
Aduku (South)	FR	0.2	0.2
Adwari	FR	0.2	0.2
Agoro-Agu	FR	363.5	233.2
Agwata	FR	0.1	0.1
Ajuka	FR	2.6	2.6
Akileng	FR	6.0	6.0
Akur	FR	62.7	62.6
Alebtong	FR	0.1	0.1
Alerek	FR	74.2	74.2
Alido	FR	0.1	0.1
Alik	FR	0.1	0.1
Alit	FR	1.9	1.9
Alito	FR	0.2	0.2
Aloi	FR	0.2	0.2
Along-Kongo	FR	1.6	1.6

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Aloro	FR	2.5	2.5
Aloro (Ngonyeboke)	FR	0.1	0.1
Alui	FR	5.8	5.8
Alungamosimosi	FR	47.5	46.6
Amaich (Ginnery)	FR	0.2	0.2
Amaich (H/Q)	FR	0.2	0.2
Amanamana	FR	0.1	0.1
Aminakulu	FR	2.6	2.6
Aminkec	FR	2.5	2.3
Aminteng	FR	2.3	2.3
Amorokin	FR	0.8	0.8
Amugo	FR	0.1	0.1
Amuka	FR	10.9	10.9
Aneneng	FR	2.6	2.6
Angutewere	FR	2.8	2.8
Anyara	FR	1.2	1.2
Apala	FR	0.1	0.1
Aputi	FR	0.1	0.1
Apworocero	FR	2.4	2.4
Aram	FR	1.4	1.4
Aringa River	FR	0.4	0.3
Arweny	FR	3.2	3.2
Asuret	FR	0.6	0.6
Atan	FR	0.1	0.1
Atigo	FR	9.6	9.6
Ating	FR	12.6	12.5
Atiya	FR	2.0	2.0
Atungulo	FR	1.9	1.9
Atura	FR	0.1	0.1
Ave	FR	3.4	3.4
Awang	FR	1.6	1.6
Awelo	FR	0.2	0.2
Awer	FR	2.2	2.2
Awere	FR	0.1	0.1
Ayami	FR	3.3	3.3
Ayer (Bala Road)	FR	0.1	0.1
Ayer (Lira Road)	FR	0.1	0.1
Ayipe	FR	8.9	8.9
Ayito	FR	2.3	2.2
Bajo	FR	33.1	30.4
Bala (North)	FR	0.1	0.1
Bala (South)	FR	0.1	0.1
Banga	FR	1.6	0.0
Barituku	FR	1.5	1.5
Bikira	FR	0.3	0.3
Binyin	FR	0.1	0.1

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Bira	FR	2.6	0.0
Bobì	FR	0.1	0.1
Bombo	FR	1.2	0.9
Bowa	FR	0.2	0.2
Bubolo	FR	0.2	0.1
Budugade	FR	0.7	0.1
Buduli	FR	0.3	0.0
Budunda	FR	0.9	0.9
Bufumira	FR	3.2	0.0
Buga	FR	2.4	0.0
Bugaali	FR	1.0	1.0
Bugamba	FR	12.1	12.1
Bugana	FR	1.2	0.0
Bugiri	FR	0.2	0.2
Bugoma	FR	445.3	99.6
Bugomba	FR	1.3	0.0
Bugondo Hill	FR	10.0	10.0
Bugonzi	FR	5.0	1.8
Bugusa	FR	1.4	0.0
Buhungiro	FR	8.2	8.2
Bujawe	FR	62.0	55.8
Bukaibale	FR	11.7	0.0
Bukakata	FR	0.1	0.1
Bukaleba	FR	155.2	119.5
Bukedea	FR	0.2	0.1
Bukigai	FR	0.4	0.3
Bukone	FR	1.1	0.0
Bulijjo	FR	2.0	1.4
Buloba	FR	2.7	0.6
Bulogo	FR	0.1	0.0
Bulondo	FR	6.4	2.6
Buluku	FR	3.0	0.0
Bululu Hill	FR	2.8	2.8
Bulyabwita	FR	0.1	0.1
Bumude-Nchwanga	FR	1.6	1.0
Bunafu	FR	0.3	0.3
Bundikeki	FR	8.1	6.1
Bunjazi	FR	0.7	0.0
Busegula	FR	0.6	0.2
Busembatya	FR	0.3	0.3
Busowe	FR	17.3	0.0
Butamira	FR	12.4	0.0
Butebe	FR	0.1	0.1
Buturume	FR	1.2	0.0
Buuka	FR	5.1	3.8
Buvuma	FR	12.7	3.2

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Buwa	FR	4.3	1.8
Buwaiswa	FR	0.7	0.5
Buwanzi	FR	2.1	0.0
Buwola	FR	0.3	0.3
Buyaga Dam	FR	158.4	158.4
Buyenvu	FR	3.0	3.0
Buziga	FR	0.8	0.0
Buzimba	FR	0.1	0.0
Bwezigolo-Gunga	FR	60.5	25.1
Bwizibwera	FR	0.3	0.3
Chegere	FR	0.1	0.1
Cwero	FR	0.1	0.1
Dakabela	FR	2.0	2.0
Degeya	FR	2.7	0.3
Dokolo	FR	0.1	0.1
East Uru	FR	4.7	4.7
Echuya	FR	34.1	0.1
Ekwera	FR	0.1	0.1
Enjeva	FR	7.3	7.3
Enyau	FR	0.2	0.2
Epor	FR	2.2	2.2
Era	FR	71.2	71.2
Eria	FR	5.4	5.4
Eruba	FR	0.1	0.1
Erusi	FR	0.2	0.2
Fort Portal	FR	1.4	1.1
Fumbya	FR	5.3	4.8
Funve	FR	1.1	0.0
Gala	FR	8.4	0.0
Gangu	FR	12.9	3.9
Goligoli	FR	0.4	0.4
Got-Gweno	FR	22.5	22.5
Goyera	FR	9.9	5.8
Gulu	FR	0.9	0.9
Gunda	FR	0.9	0.7
Gung-Gung	FR	3.0	3.0
Guramwa	FR	15.1	8.4
Gwengdiya	FR	1.7	1.7
Gweri	FR	1.6	1.6
Hoima	FR	0.1	0.1
Ibamba	FR	3.6	3.4
Ibanda	FR	0.3	0.2
Icheme	FR	0.2	0.2
Igwe	FR	11.1	1.1
Ihimbo	FR	3.5	3.3
Ilera	FR	1.6	1.6

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Irimbi	FR	2.9	2.9
Itwara	FR	85.7	15.8
Izinga Island	FR	0.2	0.2
Iziru	FR	9.1	6.8
Jaka	FR	0.4	0.4
Jami	FR	0.1	0.1
Jerere	FR	0.8	0.8
Jubiya	FR	45.4	3.0
Jumbi	FR	3.6	0.0
Kaabong	FR	0.4	0.4
Kabale	FR	1.5	1.1
Kabango-Muntandi	FR	7.3	5.4
Kabindo	FR	24.8	19.5
Kabira	FR	1.3	1.2
Kabola	FR	0.3	0.3
Kabugeza (Kasanda)	FR	2.8	2.6
Kabukira	FR	7.5	4.4
Kabula	FR	0.4	0.4
Kabulego	FR	2.5	1.2
Kabuna	FR	0.4	0.3
Kabuye	FR	1.5	0.7
Kabwika-Mujwalanganda	FR	82.7	80.7
Kachogogweno	FR	4.1	4.1
Kachumbala	FR	0.2	0.1
Kachung	FR	36.4	34.9
Kadre	FR	7.8	7.8
Kaduku	FR	5.8	5.7
Kafu	FR	20.2	20.2
Kafumbi	FR	5.0	3.8
Kagadi	FR	0.2	0.1
Kagogo	FR	15.7	14.3
Kagoma	FR	2.8	0.0
Kagongo	FR	2.4	1.8
Kagwara	FR	2.2	2.2
Kahunge	FR	0.1	0.1
Kahurukobwire	FR	14.8	10.7
Kaiso	FR	0.9	0.9
Kajansi	FR	5.5	3.6
Kajonde	FR	0.7	0.6
Kakasi	FR	7.8	0.1
Kakonwa	FR	5.9	0.0
Kakumiro	FR	0.5	0.4
Kalagala (Busakwa)	FR	0.3	0.2
Kalagala Falls	FR	0.8	0.0
Kalandazi	FR	7.8	3.0
Kalangalo	FR	3.8	0.6

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Kaliro	FR	1.1	0.7
Kalo	FR	0.9	0.7
Kalombi	FR	36.8	34.2
Kalungu	FR	0.1	0.1
Kamachya	FR	0.2	0.1
Kamera	FR	0.9	0.0
Kamigo	FR	0.5	0.3
Kampala	FR	1.3	0.0
Kamuli	FR	0.1	0.1
Kamusenene	FR	61.3	52.0
Kanaga	FR	6.9	0.3
Kanangalo	FR	27.9	12.0
Kandanda-Ngobya	FR	34.9	30.3
Kande	FR	1.0	1.0
Kangai	FR	0.2	0.2
Kanginima	FR	0.2	0.1
Kanjaza	FR	4.4	1.9
Kano	FR	82.4	82.3
Kanyampara	FR	0.6	0.6
Kapchorwa	FR	0.1	0.1
Kapimpini	FR	60.6	59.3
Kaptokoi	FR	0.9	0.4
Kasa	FR	13.5	3.0
Kasagala	FR	102.9	93.4
Kasala	FR	4.2	2.0
Kasana-Kasambya	FR	50.7	50.7
Kasato	FR	29.9	12.6
Kasega	FR	2.1	1.6
Kasenyi	FR	2.8	1.3
Kasokwa	FR	1.4	1.1
Kasolo	FR	28.5	28.5
Kasongoire	FR	39.0	34.9
Kasonke	FR	2.6	1.9
Kasozi	FR	0.8	0.6
Kasulo	FR	1.1	0.8
Kaswera	FR	0.6	0.0
Katabalalu	FR	17.8	6.6
Katakwi	FR	0.3	0.3
Katenta	FR	0.1	0.1
Kateta	FR	1.6	1.6
Katuugo	FR	29.0	28.4
Kavunda	FR	2.6	1.7
Kaweri	FR	12.9	2.1
Kazooba	FR	73.4	73.4
Kebisoni	FR	0.1	0.1
Kerenge	FR	0.1	0.0

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Keyo	FR	7.8	7.8
Kibego	FR	18.8	14.1
Kibeka	FR	96.3	93.8
Kidetok	FR	0.1	0.1
Kidiki	FR	0.1	0.1
Kifu	FR	15.2	1.8
Kifunvwe	FR	2.5	1.9
Kigona	FR	3.5	0.0
Kigona River	FR	10.2	2.6
Kigulya Hill	FR	4.5	4.3
Kihaimira	FR	0.1	0.1
Kihihi	FR	0.3	0.3
Kijanebalola	FR	30.1	29.7
Kijogolo	FR	2.1	0.0
Kijuna	FR	12.0	2.0
Kijwiga	FR	4.3	3.4
Kikonda	FR	134.0	117.3
Kikumiro	FR	13.9	10.4
Kilak	FR	103.0	103.0
Kimaka	FR	0.1	0.0
Kinoni	FR	0.2	0.2
Kinyo	FR	3.0	0.5
Kirebe	FR	0.5	0.5
Kirigye	FR	0.5	0.5
Kisakombe	FR	3.7	2.4
Kisangi	FR	43.4	20.1
Kisasa	FR	1.7	0.0
Kisisita	FR	10.8	8.3
Kisombwa	FR	27.5	27.5
Kitasi	FR	3.0	0.7
Kitechura	FR	55.4	32.3
Kitemu	FR	0.5	0.0
Kitgum	FR	0.1	0.0
Kitonya	FR	12.4	10.5
Kitonya Hill	FR	4.2	3.6
Kitubulu	FR	0.9	0.3
Kiula	FR	21.6	21.3
Kizinkuba	FR	6.7	2.5
Koboko	FR	0.2	0.2
Koch-Goma	FR	0.1	0.1
Koja	FR	0.8	0.8
Koko	FR	2.3	1.7
Kolonyi	FR	0.4	0.3
Koreng	FR	0.7	0.4
Kubanda	FR	2.1	0.0
Kulo-Obia	FR	2.1	2.1

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Kulua	FR	6.1	6.1
Kuluva	FR	0.1	0.1
Kumbu (South)	FR	0.4	0.3
Kumi	FR	0.3	0.3
Kuzito	FR	1.5	1.2
Kyabona	FR	1.2	1.2
Kyahaiguru	FR	6.2	5.2
Kyakumpi	FR	0.1	0.1
Kyalubanga	FR	45.0	40.1
Kyalwamuka	FR	58.0	58.0
Kyamazzi	FR	48.3	48.3
Kyampisi	FR	21.4	8.9
Kyamugongo	FR	0.7	0.5
Kyamurangi	FR	7.1	4.3
Kyansonzi	FR	8.7	2.8
Kyehara	FR	9.7	7.2
Kyere	FR	0.1	0.1
Kyewaga	FR	2.8	0.7
Kyirira	FR	1.9	1.4
Labala	FR	16.7	16.7
Lagute	FR	3.5	3.5
Lalak	FR	22.0	22.0
Lamwo	FR	24.0	24.0
Lela-Olok	FR	2.2	2.2
Lemutome	FR	1.2	1.2
Lendu	FR	14.4	11.3
Lira	FR	1.5	1.5
Liru	FR	4.9	4.9
Lobajo	FR	1.1	1.1
Lodonga	FR	1.0	1.0
Lokung	FR	14.2	14.2
Lomej	FR	7.6	7.6
Lotim-Putu	FR	19.0	5.5
Lubani	FR	5.6	1.3
Ludara	FR	0.3	0.3
Lufuka	FR	3.2	0.8
Lukale	FR	1.6	0.0
Lukalu	FR	1.7	0.0
Lukodi	FR	1.5	1.5
Luku	FR	39.9	39.9
Lukuga	FR	1.2	1.1
Lul Kayonga	FR	1.1	1.1
Lul Oming	FR	3.7	3.7
Lul Opio	FR	2.5	2.5
Luleka	FR	4.1	1.8
Lumoto	FR	0.9	0.5

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Lusiba	FR	6.6	2.0
Lutoboka	FR	2.8	0.0
Luvunya	FR	8.9	4.2
Luwafu	FR	3.8	0.0
Luwawa	FR	3.4	0.3
Luwunga	FR	96.1	20.1
Luwungulu	FR	0.1	0.0
Lwala	FR	58.8	39.0
Lwamunda	FR	52.3	12.3
Lwengo	FR	0.2	0.2
Mabira	FR	308.2	37.7
Madoci	FR	3.5	3.5
Mafudu	FR	0.2	0.2
Mafuga	FR	41.2	13.4
Mako	FR	2.2	0.1
Makoka	FR	0.4	0.3
Makoko	FR	0.3	0.0
Makokolero	FR	2.0	1.5
Manwa (North)	FR	1.0	0.6
Manwa (South East)	FR	0.8	0.8
Maracha	FR	0.2	0.2
Maruzi	FR	61.0	61.0
Maseege	FR	9.4	9.4
Masindi	FR	0.8	0.6
Masindi Port	FR	0.2	0.2
Mataa	FR	2.1	1.6
Matale	FR	0.3	0.3
Mateme	FR	0.8	0.6
Matidi	FR	2.4	2.4
Matiri	FR	52.5	52.5
Mbale	FR	20.6	17.1
Mbaraka	FR	0.1	0.1
Mbarara	FR	1.9	1.9
Mbulamuti	FR	0.3	0.3
Molitar	FR	0.3	0.3
Monikakinei	FR	1.5	0.0
Morongole	FR	154.7	112.6
Moroto	FR	474.2	369.2
Mpanga	FR	13.6	8.7
Mpinve	FR	18.8	18.6
Mt. Kei	FR	412.8	404.8
Mubende	FR	1.7	1.3
Mubuku	FR	16.9	16.9
Mugomba	FR	8.1	3.1
Mugoye	FR	9.2	0.0
Muhangi	FR	23.3	6.6

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Muhunga	FR	8.3	6.2
Muinaina	FR	18.5	14.4
Mujuzi	FR	56.8	6.1
Mukambwe	FR	3.9	2.9
Mukihani	FR	47.4	41.8
Muko	FR	0.3	0.3
Mulega	FR	1.0	0.0
Mulundu	FR	1.9	1.4
Musamya	FR	9.9	3.8
Musoma	FR	3.5	2.2
Mutai	FR	5.2	3.9
Mutufu	FR	0.2	0.1
Mwiri	FR	0.5	0.5
Mwola	FR	6.6	2.0
Nabanga	FR	2.7	0.7
Nabieso	FR	0.1	0.1
Nabijoka	FR	0.5	0.4
Nabika	FR	1.0	0.6
Nabukolyo	FR	0.6	0.5
Nabukonge	FR	1.9	0.1
Nagongera (East)	FR	0.2	0.1
Nagongera (West)	FR	0.6	0.3
Nakaga	FR	3.6	1.4
Nakalanga	FR	16.4	3.9
Nakalere	FR	8.3	2.2
Nakawa Forestry Research	FR	0.1	0.1
Nakaziba	FR	2.0	1.5
Nakindiba	FR	1.3	1.0
Nakitondo	FR	1.7	0.6
Nakiwondwe	FR	0.2	0.2
Nakiza	FR	6.7	2.2
Nakunyi	FR	1.2	1.2
Nakuyazo	FR	2.4	1.8
Nakwaya	FR	7.1	6.0
Nakwiga	FR	1.2	0.6
Nalubaga	FR	2.3	0.1
Naludugavu	FR	2.9	1.7
Namabowe	FR	0.9	0.9
Namafuma	FR	2.1	1.6
Namalala	FR	6.9	6.9
Namalemba	FR	0.5	0.5
Namananga & Namawanyi	FR	9.1	6.9
Namanve	FR	34.6	25.9
Namasagali	FR	0.6	0.5
Namasale	FR	0.1	0.1
Namasiga-Kidimbuli	FR	5.8	5.3

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Namatale	FR	13.1	8.7
Namatembe	FR	2.4	0.0
Namatiwa	FR	15.6	1.5
Namavundu	FR	9.0	3.7
Namazingiri	FR	2.9	2.4
Nambale (Kasa South)	FR	2.3	0.0
Nambuga	FR	0.2	0.2
Namukupa	FR	1.0	0.0
Namunyoro	FR	0.9	0.9
Namwasa	FR	84.8	83.1
Namyoya	FR	4.1	0.1
Nandagi	FR	4.5	0.0
Nanfuka	FR	3.6	1.0
Napak	FR	219.2	83.3
Napono	FR	37.6	37.6
Natyonko	FR	15.9	5.2
Navugulu	FR	29.8	5.7
Nawaikona	FR	0.1	0.1
Nawaitale	FR	0.8	0.0
Nawandigi	FR	43.6	17.4
Nazigo	FR	1.2	0.9
Nebbi	FR	0.1	0.1
Nfuka-Magobwa	FR	17.9	4.4
Ngereka	FR	13.1	1.5
Ngeta	FR	0.1	0.1
Nile Bank	FR	6.5	2.0
Nimu	FR	2.3	0.4
Nkera	FR	2.7	2.7
Nkogwe	FR	3.0	0.1
Nkose	FR	1.0	0.0
Nonve	FR	8.1	1.5
North Maramagambo	FR	292.9	45.8
Nsekuro Hill	FR	1.5	1.4
Nsese	FR	0.4	0.0
Nsinze (North & South)	FR	0.3	0.2
Nsowe	FR	50.5	50.5
Nsube	FR	10.4	2.8
Ntungamo	FR	0.1	0.1
Ntusi	FR	0.2	0.2
Nyabigoye	FR	6.4	3.0
Nyabiku	FR	2.9	0.8
Nyabirongo	FR	0.2	0.2
Nyaburongo	FR	3.4	2.5
Nyabyeya	FR	7.1	5.2
Nyakarongo	FR	34.2	1.2
Nyakigumba	FR	0.2	0.2

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Nyakikindo	FR	0.8	0.6
Nyakinoni	FR	0.1	0.1
Nyakunyu	FR	6.6	5.6
Nyamakere	FR	39.4	39.4
Nyantungo	FR	0.1	0.1
Nyio-Bamboo	FR	0.6	0.2
Obel	FR	2.2	2.2
Obule	FR	0.4	0.4
Ocamo-Lum	FR	2.4	2.4
Ochomai	FR	2.4	2.4
Ochomil	FR	2.6	2.6
Odruwa	FR	0.2	0.2
Oduarata	FR	0.9	0.9
Odudui	FR	2.0	2.0
Ogata-Akimenga	FR	5.3	5.3
Ogera Hill	FR	4.2	4.2
Ogili	FR	52.8	52.8
Ogom	FR	8.0	8.0
Ogur	FR	0.1	0.1
Ojwiting	FR	2.6	2.6
Okavu-Reru	FR	2.1	2.1
Okurango	FR	2.4	2.4
Olamusa	FR	2.3	2.3
Olia	FR	2.2	2.1
Oliduro	FR	2.1	2.1
Oluvu	FR	0.8	0.8
Olwal	FR	13.9	13.9
Omier	FR	23.2	23.2
Omodoi	FR	0.5	0.5
Omoro	FR	0.1	0.1
Onekokeo	FR	2.6	2.6
Ongino	FR	0.4	0.4
Ongom	FR	2.2	2.2
Ongwara	FR	0.1	0.1
Onyurut	FR	1.6	1.6
Opaka	FR	2.1	2.1
Opit	FR	50.6	50.6
Opok	FR	5.4	5.4
Orom	FR	0.1	0.0
Oruha	FR	6.8	5.1
Orumo	FR	0.1	0.1
Otrevu	FR	5.6	5.6
Otse (Otzi West)	FR	4.2	4.2
Otukei	FR	20.2	20.2
Otwal	FR	0.1	0.1
Ovuju (East)	FR	0.9	0.9

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Ovubu (West)	FR	0.5	0.5
Ozubu	FR	7.0	7.0
Pabbo	FR	0.1	0.1
Pajimu	FR	1.7	1.7
Pakelle	FR	0.1	0.1
Palango	FR	0.1	0.1
Paonyeme	FR	3.7	3.7
Parabongo	FR	28.1	28.1
Pigire	FR	6.9	6.9
Rakai	FR	0.1	0.1
Rom	FR	108.6	76.1
Rukara	FR	4.5	0.0
Rukungiri	FR	0.3	0.3
Ruzaire	FR	14.5	7.7
Rwengeye	FR	3.3	0.1
Rwensama	FR	2.4	1.8
Rwensambya	FR	8.0	7.4
Sala	FR	3.2	2.7
Sambwa	FR	2.8	2.8
Semunya	FR	10.5	5.1
Sirisiri	FR	5.5	5.1
Sitambogo	FR	6.2	0.2
Soroti	FR	1.3	1.3
South Busoga	FR	143.3	20.6
South Maramagambo	FR	153.1	10.7
Sozi	FR	2.2	0.0
Suru	FR	3.7	3.7
Taala	FR	86.3	2.9
Teiponga	FR	0.6	0.6
Telwa	FR	3.1	3.1
Tero (East)	FR	0.8	0.8
Timu	FR	121.8	14.0
Tonde	FR	0.5	0.0
Tororo	FR	2.2	2.2
Towa	FR	14.9	0.0
Tumbi	FR	4.8	1.6
Uci (Otzi East)	FR	171.3	171.1
Usi	FR	0.2	0.2
Utumbari	FR	0.8	0.8
Wabinyomo	FR	1.7	0.0
Wabirago	FR	1.4	1.0
Wabisi-Wajala	FR	44.6	42.5
Wabitembe	FR	3.8	1.5
Wakatanga	FR	1.0	0.8
Wakayembe	FR	1.5	0.0
Walugogo	FR	0.4	0.2

Site	Designation	Total area (km ²)	Area of savanna (km ²)
Walugondo	FR	2.2	1.1
Walulumbu	FR	1.7	1.4
Walumwany	FR	5.5	3.9
Wamale	FR	19.4	19.4
Wamasega	FR	2.2	0.3
Wambabya	FR	42.3	20.6
Wangu	FR	0.6	0.5
Wankweyo	FR	49.3	46.5
Wantagalala	FR	2.3	0.4
Wantayi	FR	3.5	1.7
Wati	FR	7.7	7.7
West Bugwe	FR	29.1	5.3
West Uru	FR	2.9	2.9
Wiceri	FR	65.0	65.0
Yivu	FR	0.5	0.5
Zimwa	FR	8.5	8.5
Zirimiti	FR	11.3	3.4
Zoka	FR	61.3	54.6