

Long-term changes in the plant ecology of an African savanna landscape and the implications for ecosystem theory and conservation management

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Table S1: Changes in total plant biomass for major habitats over the period 1977 to 2017.

Response Variable	τ	P
All Habitats	-0.658	< 0.001
Bushland	-0.251	< 0.001
Woodland	-0.471	< 0.001
Plains	0.0759	0.568
Swamp	-0.562	< 0.001
Suaeda	-0.556	< 0.001
Swamp edge	-0.433	< 0.001

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Table S2: List of baseline species that contribute at least 4% in at least one plot in 1977 used in the species composition analysis.

No.	Species	No.	Species	No.	Species
1	<i>Abutilon mauritanium</i>	26	<i>Indigofera hochstetteri</i>	51	<i>Cyperus obtusiflora</i>
2	<i>Acacia drepanorcapa</i>	27	<i>Justicia uncinulata</i>	52	<i>Cyperus papyrus</i>
3	<i>Acacia mellifera</i>	28	<i>Kedrostis foetidissim</i>	53	<i>Cypholepis yeminica</i>
4	<i>Acacia nubica</i>	29	<i>Kyllinga alba</i>	54	<i>Dactyloctenium aegyptium</i>
5	<i>Acacia tortilis</i>	30	<i>Leucas neufliaseana</i>	55	<i>Digitaria scalarum</i>
6	<i>Acacia xanthophloea</i>	31	<i>Lycium europaeum</i>	56	<i>Echiochilon lithospermoides</i>
7	<i>Aristida kenensis</i>	32	<i>Maerua subcordata</i>	57	<i>Enneapogon cenchroides</i>
8	<i>Azima tetracantha</i>	33	<i>Maerua triphylla</i>	58	<i>Enneapogon desvauxii</i>
9	<i>Balanites glabra</i>	34	<i>Monsonia longipes</i>	59	<i>Eragrostis aethiopica</i>
10	<i>Barleria acanthoides</i>	35	<i>Pennisetum mezianum</i>	60	<i>Erio nubica</i>
11	<i>Boscia angustifolia</i>	36	<i>Pennisetum stramineum</i>	61	<i>Helichrysum albo</i>
12	<i>Brachiaria eruciformis</i>	37	<i>Phoenix reclinata</i>	62	<i>Heliotoprum somalensis</i>
13	<i>Brochinnia serata</i>	38	<i>Potulaca pilosa</i>	63	<i>Sporobulus ioclados</i>
14	<i>Cenchrus ciliaris</i>	39	<i>Priva curtisae</i>	64	<i>Sporobulus Kentrophyllus</i>
15	<i>Chascanum hildebrandtii</i>	40	<i>Pupalia lappacea</i>	65	<i>Sporobulus nervosus</i>
16	<i>Chloris pycnothrix</i>	41	<i>Salvadora persica</i>	66	<i>Sporobulus sanguines</i>
17	<i>Chloris roxburghiana</i>	42	<i>Sericocomopsis hildebrandtii</i>	67	<i>Sporobulus spicatus</i>
18	<i>Chloris virgata</i>	43	<i>Sericocomopsis pallida</i>	68	<i>Suaeda monoica</i>
19	<i>Commiphora africana</i>	44	<i>Setaria acromelaena</i>	69	<i>Syzgium sp.</i>
20	<i>Cyathea orthognalis</i>	45	<i>Setaria verticillata</i>	70	<i>Tragus berteronianus</i>
21	<i>Cynodon dactylon</i>	46	<i>Sporobulus cordofanus</i>	71	<i>Trianthema triquetra</i>
22	<i>Cynodon plectostachyus</i>	47	<i>Sporobulus fimbriatus</i>	72	<i>Tribulus terrestris</i>
23	<i>Cyperus giolii</i>	48	<i>Sporobulus helvolus</i>	73	<i>Urochloa panicoides</i>
24	<i>Cyperus laevigatus</i>	49	<i>Sporobulus homblei</i>		
25	<i>Withania somnifera</i>	50	<i>Cyperus merkeri</i>		