

S10 Table. Lion and spotted hyena movement metrics according to low, medium, and high body condition scores. Speed (m/s) and path tortuosity (radian) of lions and spotted hyenas during nocturnal (30min fixes) and dusk/dawn (5min fixes) periods from the Etosha National Park, Namibia, the Chobe National Park, Linyanti Conservancy, and the NG32 concession of the Okavango Delta[†], Botswana. Values are indicated in means \pm standard deviations. Body conditions of individuals were scored from spinal palpations of immobilized individuals during capture events.

[†]No spotted hyenas were collared from the Okavango Delta, Botswana.

Period	BCS	Speed (m/s)				Tortuosity			
		Lion	Male lion	Female lion	Spotted Hyena	Lion	Male lion	Female lion	Spotted Hyena
Nocturnal periods	Low BCS	0.195 \pm 0.26	0.221 \pm 0.31	0.181 \pm 0.25	-	-0.016 \pm 1.86	0.052 \pm 1.66	-0.050 \pm 1.89	-
	Medium BCS	0.153 \pm 0.23	0.195 \pm 0.28	0.136 \pm 0.22	0.328 \pm 0.36	0.044 \pm 2.28	0.042 \pm 1.81	0.044 \pm 2.34	0.043 \pm 1.83
	High BCS	0.145 \pm 0.22	0.108 \pm 0.20	0.169 \pm 0.24	0.377 \pm 0.45	0.081 \pm 2.37	0.095 \pm 2.46	0.068 \pm 2.02	-0.031 \pm 1.60
Dusk/dawn periods	Low BCS	0.217 \pm 0.35	0.253 \pm 0.39	0.200 \pm 0.34	-	-0.023 \pm 2.29	0.008 \pm 1.91	-0.038 \pm 2.34	-
	Medium BCS	0.153 \pm 0.25	0.220 \pm 0.35	0.134 \pm 0.24	0.393 \pm 0.46	0.141 \pm 2.34	-0.145 \pm 2.41	0.284 \pm 2.33	0.015 \pm 1.50
	High BCS	0.173 \pm 0.28	0.142 \pm 0.27	0.205 \pm 0.32	0.433 \pm 0.57	0.037 \pm 1.87	3.067 \pm 1.82	-0.000 \pm 2.30	-0.007 \pm 1.44