Table S1. Mean number of animals per household in Area 1 (n=80) and Area 2 (n=80) adjacent to the eastern boundary of R NP, central Tanzania, the number of households that owned cattle, sheep or goats, how many of each species were owned, the claimed number killed by predators, disease, starvation and accidents during the previous 12 months, plus estimated monetary values (US$) for animals owned and lost within the previous 12 months. Presented are means ± standard error of the mean (SEM), 95% confidence limits (CL), and estimated mean value of animals owned and lost ± SEM in US dollars (US$).

Study Area	Area 1	Area 2	Area 1	Area 2	Area 1	Area 2
Livestock	Cattle	Cattle	Sheep	Sheep	Goats	Goats
Overall mean number of animals per household	43.7 ± 4.7	36.6 ± 2.9	24.8 ± 2.4	28.1 ± 2.3	39.9 ± 3.1	40.0 ± 2.6
95% CL	34.4 – 53.1	30.9 – 42.3	20.0 – 29. 7	23.6 – 32.6	33.7 – 46.1	34.9 - 45.1
Range	0 - 200	0 - 130	0 - 100	0 - 100	0 - 120	5 - 120
Mean value ± SEM US$	12,149±1,307	10,175 ± 806	595 ± 58	674 ± 55	1,197 ± 93	1,200 ± 78
Households per area owning each livestock species	76 (95.0%)	79 (98.8%)	74 (92.5%)	74 (92.5%)	79 (98.8%)	80 (100%)
Mean number owned per household	46.04±4.82	37.05±2.86	26.85±2.4	30.41±2.23	40.41 ± 3.1	40.01±2.55
95% CL	36.5 – 55.6	31.4 - 42.8	21.9 – 31.8	25.9- 34.9	34.2 – 46.6	34.9-45.1
Range	5 – 200	4 -130	5 -100	5 - 100	4 – 120	5-120
Mean value ± SEM US$	12,799±11,669	10,300±796	644± 60	730±54	1,212±94	1,200±77
Owners reporting predation	36 (47.4%)	14 (17.7%)	25 (33.8%)	24 (30.0%)	43 (54.4%)	35 (43.8%)
Predation per household	0.8 ± 0.1	0.4 ± 0.1	0.7 ± 0.1	0.5 ± 0.1	1.3 ± 0.2	1.2 ± 0.2
95%CL	0.6 – 1.1	0.1 – 0.7	0.4 – 0.9	0.3 – 0.8	1.0 – 1.7	0.8 – 1.7
Range	0 - 6	0 - 8	0 - 3	0 - 3	0 - 6	0 - 9
Monetary loss ± SEM US$	234 ± 38	109 ± 36	16 ± 3	13 ± 3	40 ± 5	37 ± 6
Owners reporting disease deaths	39 (51.3%)	24 (30.4%)	24 (32.4%)	25 (31.3%)	13 (16.5%)	23 (28.8%)
Disease deaths per household	1.4 ± 0.2	0.8 ± 0.2	1.1 ± 0.2	0.7 ± 0.1	0.8 ± 0.2	0.7 + 0.1
95% CL	1.0 – 1.9	0.5 – 1.2	0.6 – 1.5	0.4 – 1.0	0.3 – 1.2	0.4 – 1.0
Range	0 - 8	0 - 7	0 - 8	0 - 5	0 - 11	0 - 5
Monetary loss ± SEM US$	395 ± 61	232 ± 46	26 ± 5	17 ± 3	22 ± 7	21 ± 4
Owners reporting starvation deaths	13 (17.1%)	10 (12.7%)	18 (24.3%)	21 (26.3%)	27 (34.2%)	35 (43.8%)
Starvation deaths per household	0.5 ± 0.2	0.3 ± 0.1	0.7 ± 0.2	0.6 ± 0.1	1.1 ± 0.2	1.1 ± 0.2
95% CL	0.2 – 0.9	0.1 – 0.5	0.4 – 1.1	0.3 – 0.8	0.6 – 1.5	0.8 – 1.4
Range	0 - 7	0 - 6	0 - 7	0 - 4	0 - 10	0 - 6
Monetary loss ± SEM US$	146 ± 45	71 ± 27	18 ± 4	14 ± 3	32 ± 7	32 ± 5
Owners reporting accident deaths	9 (11.8%)	7 (8.9%)	6 (8.1%)	5 (6.3%)	12 (15.2%)	15 (18.8%)
Accident deaths per household	0.2 ± 0.1	0.1 ± 0.04	0.1 ± 0.1	0.1 ± 0.05	0.4 ± 0.2	0.4 ±0.1
95% CL	0.1 – 0.3	0.02 – 0.2	0.03 – 0.3	0.01 – 0.2	0.1 – 0.7	0.2 – 0.6
Range	0 - 2	0 – 2	0 – 2	0 – 3	0 – 9	0 – 6
Monetary loss ± SEM US$	51 ± 17	28 ± 11	3 ± 1	3 ± 1	13 ± 5	12 ± 3