

Appendix 1: Summary of data on core areas (km²) within home ranges of the elephants of the Maputo Elephant Reserve, during the study.

Elephant	ID	Dry Season			Rainy Season		
		Core area	Percentage of Home range	Percentage of Observations	Core area	Percentage of Home range	Percentage of Observations
Female 1	6454	17.40	10.59	55.6	24.73	15.1	44.4
Female 2	6455	31.94	12.29	64.2	114.7	44.1	35.8
Female 3	6456	27.45	14.95	62.8	33.52	18.3	37.3
Female 4	6457	0.37	0.22	71.0	49.5	29.0	29.0
Male 1	6458	52.01	11.48	52.2	29.89	6.6	47.8
Mean females		19.29	9.91		55.61	28.6	
Mean all		25.83	10.49		50.47	20.5	

Appendix 2: Elephants measurements taken during the collaring operation on February 1998.

Elephant	Shoulder height (cm)	Front foot circumference (cm)	Tusk length (cm)	Tusk lip circumference (cm)
Female 6454	229	112	69	22
Female 6455	230	127	60	23
Female 6456	227	115	41	16
Female 6457	230	108	50	16
Male 6458	295	139	101	32

Appendix 3: Maximum mean temperatures (in degree Celsius) recorded at Belavista station for some years between 1970 and 1999. There are no data for years between 1974 and 1995 at the Mozambican National Meteorological Institute.

Month	Year						
	1970	1971	1972	1973	1996	1997	1999
January	31.9	30.8	32.1	31.5	30.8	32	31.5
February	31.3	29.4	28.4	31.7	31.1	31.3	32.2
March	30	31.3	29.5	33.5	29.8	30.7	32.5
April	29	29	29.2	30.1	28	29.8	31.5
May	27.2	26.5	25.7	27.3	27.2	27	30.1
June	25.5	24.1	23.7	25.8	26.5	27.2	28.4
July	25.7	25.2	20.3	24.6	24.8	25.5	26.9
August	27.1	27.1	23.9	25.7	25.9	27.8	28.3
September	28.9	27.4	27.5	26.2	31.2	27.8	29.8
October	27.1	27.1	28.2	27.4	31.1	27.6	27.6
November	30.5	28.7	28.5	27.5	31.4	29.7	30.4
December	32.5	30.2	31.1	24.7	32.7	30.4	30.6
Mean	28.9	28.1	27.3	28.0	29.2	28.9	30.0
S.E.	2.4	2.2	3.5	3.0	2.6	2.0	1.8

Appendix 4: Mean rainfall (in mm) recorded at Belavista station for some years between 1970 and 1999. There are no data for years between 1974 and 1995 at the Mozambican National Meteorological Institute.

Month	Year						
	1970	1971	1972	1973	1996	1997	1999
January	60.3	64.9	152.7	35.9	162.3	89.5	137.1
February	59.2	41.9	353.8	61.2	111.5	159.1	89.7
March	30.1	22.3	126.6	20	32.1	111.4	74.1
April	16.5	77.1	58.2	32.4	55.5	8	38
May	4	15.6	155.9	4.5	80.5	73.8	2.6
June	2.3	18.7	0	4.6	0	46.8	0
July	9.4	4.2	40.5	9.2	9	10.9	4.9
August	0	0	2.5	23.2	10.7	69.5	0
September	19	12.7	0	313.7	0	80	25.9
October	85	63.6	34	36.2	99.8	89.3	94
November	34.1	36.8	53.9	126.1	55	114.9	75.4
December	40.5	75.9	46.4	237.2	80.5	81.8	193.8
Total annual	360.4	433.7	1024.5	904.2	696.9	935	735.5