Studbook management plan Karoo dwarf tortoises (*Chersobius boulengeri*)

Generation	Strategy	Start production next generation	Number of offspring	Inbreeding	Production limit	Theoretical maximum population size	Time estimate
F0 2.2 from 2019 2.2 from 2024	Breed many offspring to (1) obtain a large sample size in the study on reproduction and growth, and (2) conserve as many genes of the founders as possible might they become needed for conservation.	Immediately	10.10 per founder couple (1:1, anticipating similar mortality among sexes)	No	40.40	88	2020-2032
F1	Breed 2.2 offspring per F1 couple, and breed additional offspring in case F2 offspring dies. Ensure the availability of 1.1 F2 replacement offspring fit for breeding when the F1 couple dies.	When F1 is mature	2.2 per F1 couple, plus replacements in case F2 offspring dies	No	80.80	248	2025-2037
F2	Breed 2.2 offspring per F2 couple, and breed additional offspring in case F3 offspring dies. Ensure the availability of 1.1 F3 replacement offspring fit for breeding when the F2 couple dies.	When F1 couple dies	2.2 per one F2 couple (second F2 couples are spares), plus replacements in case offspring dies	No	80.80	416	2030-2042
F3…Fx	Breed 2.2 offspring per F3…Fx couple, and breed additional offspring in case F4…Fx+1 offspring dies. Ensure the availability of 1.1 F4…Fx+1 replacement offspring fit for breeding when the F3…Fx couple dies.	When F2…Fx-1 couple dies	2.2 per one F3…Fx couple (second F3…Fx couples are spares), plus replacements in case offspring dies	Yes	80.80	752	2035-2047