

Table S1. Population transition matrices for *Scaphium borneense* used for this study. Elements in the diagonal denote the probability of an individual in a category to stay in that category during one year ('stasis'); elements in the sub-diagonal are the probability that an individual will move to the next category during a year ('progression'); and elements in the first row from column 5 onwards denote the number of seedlings produced by a tree in a category during one year ('fecundity').

(a) original

t		1	2	3	4	5	6	7	8	9
t + 1;	1	0.971	0	0	0	0.147	0.383	0.562	0.703	0.719
	2	0.011	0.954	0	0	0	0	0	0	0
	2	0	0.036	0.954	0	0	0	0	0	0
	4	0	0	0.036	0.954	0	0	0	0	0
	5	0	0	0	0.036	0.953	0	0	0	0
	6	0	0	0	0	0.037	0.953	0	0	0
	7	0	0	0	0	0	0.037	0.953	0	0
	8	0	0	0	0	0	0	0.037	0.953	0
	9	0	0	0	0	0	0	0	0.037	0.990

(b) pre-drought period 1993-1997

t		1	2	3	4	5	6	7	8	9
t + 1;	1	0.959	0	0	0	0.146	0.381	0.559	0.699	0.716
	2	0.011	0.949	0	0	0	0	0	0	0
	2	0	0.036	0.949	0	0	0	0	0	0
	4	0	0	0.036	0.949	0	0	0	0	0
	5	0	0	0	0.036	0.948	0	0	0	0
	6	0	0	0	0	0.036	0.948	0	0	0
	7	0	0	0	0	0	0.036	0.948	0	0
	8	0	0	0	0	0	0	0.036	0.948	0
	9	0	0	0	0	0	0	0	0.036	0.984

(c) drought period of 1998

t		1	2	3	4	5	6	7	8	9
t + 1;	1	0.900	0	0	0	0.141	0.366	0.537	0.672	0.688
	2	0.010	0.911	0	0	0	0	0	0	0
	2	0	0.034	0.911	0	0	0	0	0	0
	4	0	0	0.034	0.911	0	0	0	0	0
	5	0	0	0	0.034	0.911	0	0	0	0
	6	0	0	0	0	0.035	0.911	0	0	0
	7	0	0	0	0	0	0.035	0.911	0	0
	8	0	0	0	0	0	0	0.035	0.911	0
	9	0	0	0	0	0	0	0	0.035	0.946

(d) 2-year census interval including a drought year

t		1	2	3	4	5	6	7	8	9
t + 1;	1	0.929	0	0	0	0.143	0.373	0.548	0.685	0.702
	2	0.011	0.930	0	0	0	0	0	0	0
	2	0	0.035	0.930	0	0	0	0	0	0
	4	0	0	0.035	0.930	0	0	0	0	0
	5	0	0	0	0.035	0.929	0	0	0	0
	6	0	0	0	0	0.036	0.929	0	0	0
	7	0	0	0	0	0	0.036	0.929	0	0
	8	0	0	0	0	0	0	0.036	0.929	0
	9	0	0	0	0	0	0	0	0.036	0.965

(e) 3-year census interval including a drought year

t		1	2	3	4	5	6	7	8	9
t + 1;	1	0.939	0	0	0	0.144	0.376	0.552	0.690	0.706
	2	0.011	0.936	0	0	0	0	0	0	0
	2	0	0.035	0.936	0	0	0	0	0	0

[illegible]

(f) 4-year census interval including a drought year

[illegible]

(g) 5-year census interval including a drought year

[illegible]