

Population dynamics of threatened elkhorn coral in the northern Florida Keys, USA

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Endangered Species Research 19: 157–169 (2012)

Supplement. Table S1 lists the geographical coordinates and abundance of *Acropora palmata* colonies at each survey plot. Fig. S1 shows elasticity values for each of the six projection matrices

Table S1. *Acropora palmata*. Geographical coordinates for each plot and the number of colonies plot⁻¹ in each year of the study

Site	Plot	Latitude	Longitude	Number of colonies						
				2004	2005	2006	2007	2008	2009	2010
Carysfort Reef	CF1	25.22194	-80.21055	17	13	8	5	7	7	7
Carysfort Reef	CF2	25.22178	-80.21060	37	34	31	28	32	31	24
Carysfort Reef	CF3	25.22290	-80.20956	11	11	23	14	12	8	8
Elbow Reef	EL1	25.14259	-80.25835	43	44	47	38	42	62	60
Elbow Reef	EL2	25.14290	-80.25822	26	25	26	25	25	28	27
Elbow Reef	EL3	25.14394	-80.25780	31	30	27	25	22	19	17
Elbow Reef	EL4	25.14508	-80.25734	21	17	14	14	10	11	10
Elbow Reef	EL5	25.14518	-80.25740	13	9	5	4	3	6	5
French Reef	FR1	25.03393	-80.34941	28	31	45	47	46	47	38
Key Largo Dry Rocks	KL1	25.12360	-80.29736	17	15	13	13	13	11	8
Key Largo Dry Rocks	KL2	25.12290	-80.29787	27	17	7	2	1	0	0
Key Largo Dry Rocks	KL3	25.12255	-80.29826	15	15	18	17	19	18	13
Molasses Reef	ML1	25.00958	-80.37481	11	12	14	11	12	10	9
Molasses Reef	ML2	25.00912	-80.37473	23	23	25	25	24	24	24
Molasses Reef	ML3	25.01015	-80.37328	23	24	20	21	24	32	21

Fig. S1. *Acropora palmata*. Elasticity values for annual projection matrices. Values inside the boxes, e_{ij} , are elasticities of population growth rate, λ , for each corresponding value, a_{ij} , in the **A** matrix (see 'Materials and methods' for details). Darker colors correlate with higher values. All projection matrices show that e_{44} , the elasticity of size class 4 surviving and not shrinking, has the largest contribution to λ . Because the population growth rate for the 2005–2006 interval is far from stable ($\lambda < 1$), the elasticity values are extreme

