

Table S1. Proportion of diet items to green turtles diet. Proportions are separated into three groups to represent the two foraging aggregations (Yadua and Makogai Islands) and one group of all the turtles from both aggregations. Values are presented as mean proportions of diet followed by standard deviations and proportion estimates for the 25th, 50th and 75th percentiles of the probability distribution.

Putative diet items (sources)	Yadua Island					Makogai Island					All turtles				
	Mean	SD	25%	50%	75%	Mean	SD	25%	50%	75%	Mean	SD	25%	50%	75%
Macroalgae	0.17	0.13	0.07	0.14	0.25	0.17	0.13	0.06	0.12	0.25	0.17	0.13	0.07	0.14	0.24
Seagrasses	0.12	0.09	0.05	0.11	0.18	0.12	0.10	0.05	0.10	0.17	0.13	0.10	0.05	0.11	0.18
Herbivorous invertebrates	0.17	0.12	0.06	0.14	0.24	0.18	0.12	0.08	0.16	0.25	0.18	0.12	0.08	0.16	0.25
Herbivorous fishes	0.18	0.11	0.09	0.17	0.25	0.17	0.10	0.10	0.17	0.24	0.19	0.11	0.11	0.19	0.27
Carnivorous invertebrates	0.23	0.13	0.13	0.23	0.32	0.22	0.13	0.11	0.22	0.31	0.21	0.12	0.11	0.20	0.29
Carnivorous fishes	0.14	0.08	0.08	0.14	0.19	0.14	0.08	0.08	0.14	0.20	0.13	0.07	0.08	0.13	0.17

Table S2. Mean, minimum and maximum coverage of seagrasses and macroalgae recorded at Yadua and Makogai Islands, and effort (number of quadrats).

	mean ± SD seagrass % coverage (min-max)	mean ± SD <i>Halodule</i> <i>pinifolia</i> % coverage (min-max)	mean ± SD <i>Halodule</i> <i>uninervis</i> % coverage (min-max)	mean ± SD <i>Halophila</i> <i>ovalis</i> % coverage (min-max)	mean ± SD <i>Syringodium</i> <i>isoetifolium</i> % coverage (min-max)	mean ± SD macroalgae % coverage (min-max)	total number of quadrats
Yadua Island	19.7 ± 13.5 (0–46)	72.7 ± 32.6 (0–100)	17.0 ± 24 (0– 85)	5.8 ± 12.1 (0–51)	0.5 ± 1.8 (0–8)	6.9 ± 2.1 (0–30)	198
Makogai Island	10.9 ± 7.4 (3–28)	0 (0–0)	94.6 ± 9.4 (62–100)	3.3 ± 4.7 (0–16)	2.1 ± 7.9 (0–34)	1.4 ± 2.4 (0–8)	187

Table S3. Apparent recruitment size of juvenile green turtles across the Pacific Ocean.

Pacific Ocean region	Country	mean CCL (or SCL*) (cm)	Reference
South central	Fiji	48.5	this study
South western	Australia	40 – 44.1	Limpus unpublished data in Limpus & Chaloupka 1997, Chaloupka et al. 2004, Arthur et al. 2008
	New Zealand	40.8	Godoy et al. 2016
North western	CNMI	36 – 40	Summers et al. 2017
North central	Hawaii	30 – 40*	Balazs 1982
North eastern	Colombia	40 – 50*	Sampson et al. 2014
	Mexico	35 – 40*	Brooks 2005

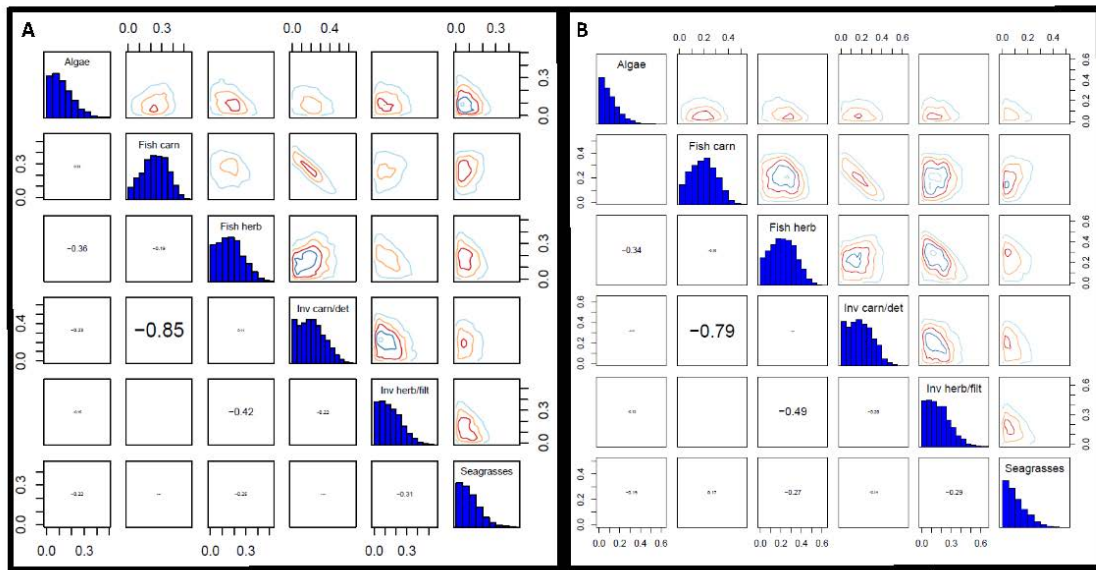


Figure S1. Matrix plot of diet item groups. The diagonal cells show the posterior probability distributions for each of the six diet item groups. The cells below the diagonal show the Pearson correlation values between contributions for pairs of food sources. The cells above the diagonal visually represent the joint posterior probability distribution for contributions for pairs of food sources. A: Yadua Island, B: Makogai Island.

Literature cited

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