

## Context-dependent success of restoration of a key species, biodiversity and community composition

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Marine Ecology Progress Series 479: 63–73 (2013)

### Supplement. Extended statistical results

Table S1. Generalised linear model (GzLM) to determine whether transplant sized *Austrovenus stutchburyi* and smaller (10 to 25 mm) individuals were enhanced by the transplants. Site and treatment were fixed factors, block was a random factor and a Poisson error structure was used

	Transplants		10–25 mm	
	<i>F</i>	p	<i>F</i>	p
Site	0.95	0.3380	0.90	0.3671
Treatment	5.96	<0.0001	2.06	0.0392
Site × Treatment	0.08	0.9400	3.34	0.0008

Table S2. GzLM to determine whether transplant sized *Austrovenus stutchburyi* were most likely to be found in the original transplant areas or not (position). Site and position (in, near and out) were fixed factors, block was a random factor and a Poisson error structure was used

	<i>z</i>	p
Site (Takahiwai):	0.15	0.8807
Position near	−5.594	<0.0001
Position out	−5.162	<0.0001
Site (Takahiwai): near	0.045	0.964
Site (Takahiwai): out	−2.161	0.0307

Table S3. GzLM to determine whether *Austrovenus stutchburyi* <1 mm and 1 to 4 mm were affected by the transplants. Site and treatment were fixed factors, block was a random factor and a Poisson error structure was used

	<1 mm		1–4 mm	
	<i>z</i>	p	<i>z</i>	p
Site	−7.1	<0.0001	−0.8	0.423
Treatment	0.318	0.7500	−0.006	0.995
Site × Treatment	0.551	0.5820	0.007	0.995

Table S4. 3-way GzLM on diversity indices and total number of individuals found in the macrofauna cores collected in October 2007. Site and treatment (Trt) were fixed factors, block was a random factor and a normal error structure was used

Source	<i>F</i>	p
<b>No. of taxa</b>		
Site	6.30	0.1287
Trt	0.05	0.8430
Site × Trt	7.51	0.0085
<b>No. of ind.</b>		
Site	0.01	0.9495
Trt	5.31	0.1477
Site × Trt	7.08	0.0104
<b>Evenness</b>		
Site	22.63	0.0415
Trt	6.26	0.1294
Site × Trt	1.22	0.2740
<b>Shannon- Wiener</b>		
Site	31.60	0.0302
Trt	0.83	0.4595
Site × Trt	1.27	0.2660

Table S5. GzLMs conducted on sediment characteristics across both sites on data collected in October 2007. Site and treatment (Trt) were fixed factors, block was a random factor and a normal error structure was used

Source	<i>F</i>	p
<b>Chl <i>a</i></b>		
Site	36.69	0.1042
Trt	0.01	0.9468
Site × Trt	44.66	0.0301
<b>% organics</b>		
Site	134.45	0.0548
Trt	0.37	0.6519
Site × Trt	110.94	0.0603
<b>% mud content</b>		
S	41.53	0.0980
Trt	0.02	0.9033
Site × Trt	0.57	0.5885
<b>% fine sand content</b>		
Site	3.22	0.3238
Trt	0.54	0.5954
Site × Trt	816.47	0.0232