

**S4 Table. Summary of GLMM results used to examine differences in EAM sediment loads.**

The generalised linear mixed effects model was based on a GAMMA distribution with a log link and contained shelf position as a fixed effect and individual reef as a random effect. SE = standard error, df = degrees of freedom.

<b>Response variable</b>	<b>Model used</b>	<b>Predictor variable</b>	<b>Estimate</b>	<b>SE</b>	<b><i>t</i> value</b>	<b><i>p</i> value</b>
<b>EAM sediment load</b>	Gamma (GLMM)	Intercept	6.760	0.337	20.039	< 0.0001
		Mid-shelf	-2.063	0.432	-4.774	< 0.0001
		Outer-shelf	-1.133	0.452	-2.507	< 0.05