

Environmental Predictors of Wrack Biomass

Generalized Linear Models with Gamma Distributions and Log Link Functions (**p<.005, *p<.05)

Model Name	Model Terms	K	AIC	ΔAIC	Model Likelihood	AIC Weight	Log Likelihood	Cumulative Weight
Intertidal Width	Intertidal Width***	3	297.284	0.000	1.000	0.863	-145.642	0.863
Intertidal Width + Biophysical Site Variables	Intertidal Width*** + Aspect + Slope + Wave Exposure	6	301.485	4.201	0.122	0.106	-144.743	0.968
Intertidal Width + Climatic Variables	Intertidal Width* + Wind Direction + Wind Speed + Wave Height + Wave Period + High Tide	8	304.664	7.379	0.025	0.022	-144.332	0.990
Climatic Variables	Wind Direction + Wind Speed* + Wave Height* + Wave Period + High Tide*	7	308.150	10.865	0.004	0.004	-147.075	0.994
Biophysical Site Variables	Aspect* + Slope + Wave Exposure*	5	308.892	11.608	0.003	0.003	-149.446	0.996
Intertidal Width + Biophysical Site Variables + Climatic Variables	Intertidal Width* + Aspect + Slope + Wave Exposure + Wind Direction + Wind	11	308.955	11.671	0.003	0.003	-143.478	0.999

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Model Name	Model Terms	K	AIC	ΔAIC	Model Likelihood	AIC Weight	Log Likelihood	Cumulative Weight
	Speed + Wave Height + Wave Period + High Tide							
Biophysical Site Variables + Climatic Variables	Aspect + Slope + Wave Exposure + Wind Direction + Wind Speed + Wave Height + Wave Period + High Tide*	10	311.778	14.493	0.001	0.001	-145.889	0.999
Null	Null	2	311.834	14.550	0.001	0.001	-153.917	1.000