Response	Predictor	Distribution	nu function	df	AIC	Coefficients	Estimate	Std.Error	t-value	Pr(>|t|)
Depth (traps)	~factor(id)+random (factor(survey))	ex-Gaussian		9	5677	(Intercept)	15.15720	1.47773	10.257	<2e-16
						factor(id)2	0.08425	1.66309	0.051	0.9596
						factor(id)3	-3.55885	2.00296	-1.777	0.0761
						factor(id)4	-4.87739	2.41340	-2.021	0.0437
						factor(id)5	-3.79141	1.82704	-2.075	0.0384
						factor(id)6	-3.68338	1.77533	-2.075	0.0384
						factor(id)7	-2.10235	1.89522	-1.109	0.2677
Fishing hours (traps)	~factor(id)+factor(survey)	Box-Cox power exponential		12	3187	(Intercept)	2.9719240	0.0002393	12417.78	<2e-16
						factor(id)2	-0.0146264	0.0002206	-66.29	<2e-16
						factor(id)3	-0.0229227	0.0003061	-74.88	<2e-16
						factor(id)4	-0.0344365	0.0002719	-126.67	<2e-16
						factor(id)5	-0.0051845	0.0002663	-19.47	<2e-16
						factor(id)6	0.1036512	0.0003240	319.92	<2e-16
						factor(id)7	0.0323334	0.0002808	115.14	<2e-16
						factor(survey)2013002	-0.1964314	0.0001841	-1067.17	<2e-16
						factor(survey)2013005	-0.2068897	0.0003148	-657.24	<2e-16
CPUEn	depth+factor(id)+factor(survey)+factor(gear)	Zero-Adjusted Gamma	Specified	23	612	(Intercept)	-0.111560	0.212432	-0.525	0.5996
						depth	-0.005006	0.002471	-2.026	0.0432
						factor(id)2	0.343525	0.167665	2.049	0.0408
						factor(id)3	0.076865	0.213978	0.359	0.7195
						factor(id)4	0.190577	0.234250	0.814	0.4162
						factor(id)5	0.467716	0.198977	2.351	0.0190
						factor(id)6	-0.216463	0.178400	-1.213	0.2254
						factor(id)7	0.246084	0.191877	1.283	0.2001
						factor(survey)2013002	0.205185	0.109024	1.882	0.0602
						factor(survey)2013005	0.284145	0.132690	2.141	0.0326
						factor(gear)TB	-1.840150	0.151532	-12.144	<2e-16
CPUEw	depth+factor(id)+factor(gear)+factor(survey)	Zero-Adjusted Gamma	Specified	23	869	(Intercept)	0.353996	0.260322	1.360	0.1743
						depth	-0.002375	0.002834	-0.838	0.4022
						factor(id)2	0.201090	0.193676	1.038	0.2995
						factor(id)3	-0.010450	0.243952	-0.043	0.9658
						factor(id)4	-0.352511	0.268869	-1.311	0.1903

						Estimate	Std. Error	t value	Pr(>|t|)
					factor(id)5	-0.285698	0.229247	-1.246	0.2131
					factor(id)6	-0.175741	0.204906	-0.858	0.3914
					factor(id)7	-0.213201	0.221633	-0.962	0.3364
					factor(gear)TB	-1.554940	0.182336	-8.528	<2e-16
					factor(survey)2013002	0.017219	0.127035	0.136	0.8922
					factor(survey)2013005	-0.286449	0.162254	-1.765	0.0779
CPUEn (traps only)	~depth+factor(id)+ factor(survey)	Zero-Adjusted Gamma	12	418	(Intercept)	-2.1132812	0.1940001	-10.893	<
					depth	-0.0008637	0.0026047	-0.332	0.74030
					factor(id)2	0.2826635	0.1679995	1.683	0.09294
					factor(id)3	0.1774132	0.2149544	0.825	0.40947
					factor(id)4	0.0003821	0.2591314	0.001	0.99882
					factor(id)5	0.5122892	0.2040252	2.511	0.01228
					factor(id)6	-0.2127678	0.1785497	-1.192	0.23383
					factor(id)7	0.1951116	0.1968309	0.991	0.32192
					factor(survey)2013002	0.2953217	0.1088671	2.713	0.00685
					factor(survey)2013005	0.2910664	0.1377350	2.113	0.03496
CPUEn (traps only)	~factor(id)+TrophicLevel+factor(TGShort)+factor(WaterCol)+factor(DielActivity)+factor(Habitat)+factor(Gregariousness)+MaxLength	Box-Cox power exponential	24	-1588	(Intercept)	-2.640e+00	2.779e-03	-949.905	<2e-16
					factor(id)2	-3.167e-02	2.211e-03	-14.323	<2e-16
					factor(id)3	-5.397e-02	2.866e-03	-18.830	<2e-16
					factor(id)4	1.769e-02	2.818e-03	6.276	9.97e-10
					factor(id)5	-6.388e-02	2.412e-03	-26.490	<2e-16
					factor(id)6	-1.194e-01	2.473e-03	-48.282	<2e-16
					factor(id)7	-7.969e-02	2.744e-03	-29.037	<2e-16
					TrophicLevel	5.221e-03	2.136e-04	24.438	<2e-16
					factor(TGShort)Coral.	-2.434e-01	1.486e-03	-163.809	<2e-16
					factor(TGShort)Herb.	3.930e-01	1.746e-03	225.084	<2e-16
					factor(TGShort)Invert.	-7.463e-02	1.618e-03	-46.133	<2e-16
					factor(TGShort)Plankt.	3.163e+00	2.690e-03	1175.863	<2e-16
					factor(WaterCol)Demersal	-7.242e-02	1.699e-03	-42.621	<2e-16
					factor(WaterCol)pelagic non site attached	1.358e-01	2.369e-03	57.327	<2e-16
					factor(WaterCol)pelagic site attached	-2.616e+00	3.052e-03	-857.319	<2e-16
					factor(DielActivity)Night	7.333e-02	1.788e-03	41.013	<2e-16
					factor(Habitat)Coral	2.622e+00	3.363e-03	779.706	<2e-16

							Estimate	Std. Error	t value	Pr(>|t|)
						factor(Habitat)sand	4.961e-01	2.394e-03	207.193	<2e-16
						factor(Gregariousness)2	2.375e-02	9.303e-04	25.524	<2e-16
						factor(Gregariousness)3	-2.452e-01	2.187e-03	-112.085	<2e-16
						MaxLength	-4.699e-04	9.235e-05	-5.087	5.86e-07
Trophic Level (traps)	~depth+factor(id)+ factor(survey)	Box-Cox power exponential		12	332	(Intercept)	1.3633473	0.0135997	100.249	<2e-16
						depth	-0.0001769	0.0001835	-0.965	0.3354
						factor(id)2	0.0036357	0.0110590	0.329	0.7425
						factor(id)3	0.0301380	0.0146015	2.064	0.0397
						factor(id)4	0.0034203	0.0237053	0.144	0.8853
						factor(id)5	0.0026418	0.0136358	0.194	0.8465
						factor(id)6	-0.0043772	0.0117893	-0.371	0.7106
						factor(id)7	0.0034907	0.0124887	0.280	0.7800
						factor(survey)2013002	0.0007028	0.0063718	0.110	0.9122
Species density (traps)	~depth+factor(area) +factor(survey)	Zero-Adjusted Gamma	Specified	21	-1015	(Intercept)	-3.053e+00	4.470e-02	-68.310	<2e-16
						depth	5.284e-05	5.820e-04	0.091	0.92769
						factor(area)2	1.274e-01	3.987e-02	3.194	0.00147
						factor(area)3	1.072e-01	4.995e-02	2.147	0.03216
						factor(area)4	1.324e-01	6.213e-02	2.130	0.03351
						factor(area)5	1.217e-01	4.869e-02	2.500	0.01268
						factor(area)6	-2.721e-03	4.122e-02	-0.066	0.94739
						factor(area)7	-3.028e-02	4.695e-02	-0.645	0.51922
						factor(survey)2013002	1.999e-01	2.572e-02	7.774	2.96e-14
						factor(survey)2013005	2.402e-01	3.285e-02	7.310	7.81e-13