

Supplementary Table 1. Outputs of the CASA model for *Callinectes bellicosus* from the Bahía Santa María La Reforma, Sinaloa, where CW is the carapace width, $\mu_{l,t}$ is the exploitation rate, $F_{l,t}$ is fishing mortality and s_l is the coefficient of selectivity

2000						
Females			Males			
Size (CW)	$\mu_{l,t}$	$F_{l,t}$	s_l	$\mu_{l,t}$	$F_{l,t}$	s_l
82.5	0.000	0.000	0.001	0.000	0.000	0.001
87.5	0.000	0.000	0.008	0.000	0.000	0.002
92.5	0.000	0.000	0.080	0.000	0.000	0.004
97.5	0.001	0.001	0.527	0.000	0.000	0.011
102.5	0.001	0.001	0.945	0.000	0.000	0.029
107.5	0.002	0.003	0.997	0.000	0.001	0.080
112.5	0.004	0.007	1.000	0.001	0.001	0.215
117.5	0.020	0.034	1.000	0.001	0.002	0.484
122.5	0.040	0.069	1.000	0.001	0.002	0.782
127.5	0.056	0.098	1.000	0.003	0.004	0.940
132.5	0.064	0.114	1.000	0.008	0.014	0.987
137.5	0.380	1.012	1.000	0.023	0.040	0.998
142.5				0.056	0.098	1.000
147.5				0.139	0.268	1.000
152.5				0.444	1.325	1.000
Average	0.047	0.112		0.045	0.117	
2011						
Size (CW)	$\mu_{l,t}$	$F_{l,t}$	s_l	$\mu_{l,t}$	$F_{l,t}$	s_l
87.5	0.000	0.000	0.000			
92.5	0.001	0.002	0.000	0.000	0.000	0.000
97.5	0.006	0.010	0.002	0.006	0.010	0.000
102.5	0.032	0.055	0.047	0.031	0.054	0.012
107.5	0.067	0.118	0.595	0.065	0.116	0.405
112.5	0.089	0.161	0.985	0.143	0.277	0.981
117.5	0.149	0.292	1.000	0.244	0.535	1.000
122.5	0.176	0.354	1.000	0.363	0.947	1.000
127.5	0.235	0.509	1.000	0.651	3.101	1.000
132.5	0.444	1.325	1.000	1.149	0.000	1.000
137.5	0.115	0.000	1.000			
142.5						
147.5						
Average	0.119	0.257		0.295	0.560	
2014						
Size (CW)	$\mu_{l,t}$	$F_{l,t}$	s_l	$\mu_{l,t}$	$F_{l,t}$	s_l
72.5				0.003	0.004	0.005
77.5	0.024	0.041	0.006	0.002	0.004	0.011
82.5	0.021	0.035	0.016	0.000	0.000	0.026
87.5	0.036	0.062	0.044	0.019	0.033	0.066
92.5	0.201	0.419	0.124	0.045	0.079	0.163
97.5	0.308	0.740	0.319	0.064	0.114	0.362
102.5	0.423	1.216	0.631	0.073	0.131	0.639
107.5	0.386	1.044	0.874	0.079	0.143	0.856
112.5	0.556	2.081	0.970	0.092	0.168	0.956
117.5	0.639	2.932	0.994	0.067	0.120	0.989
122.5	0.745	4.852	0.999	0.113	0.212	0.997
127.5	0.705	3.976	1.000	0.110	0.205	0.999

132.5	0.679	3.504	1.000	0.196	0.406	1.000
137.5	0.814	0.402	1.000	0.223	0.475	1.000
142.5				0.284	0.658	1.000
147.5				0.324	0.797	1.000
152.5				0.343	0.866	1.000
157.5				0.206	0.432	1.000
162.5				0.170	0.339	1.000
167.5				0.045	0.079	1.000
172.5				0.316	0.768	1.000
Average	0.426	1.639		0.132	0.287	