

Supplementary Table 2

Spearman correlations (ρ) and P values associated with Spearman rank correlation tests between predictor variables considered for Greater Amberjack post-release mortality models. Gray rows indicate predictor variables that were not used in initial Cox-Hazards models because of high intercorrelations with other predictor variables.

	fork length	fight time	handling time	descender used	site depth	bait method	Fishing Injury	Tagging Injury	Surface Temp.
fork length									
<i>P</i> value									
fight time	0.58								
<i>P</i> value	0.000								
handling time	-0.26	-0.17							
<i>P</i> value	0.020	0.125							
descender used	-0.05	0.06	0.24						
<i>P</i> value	0.643	0.564	0.030						
reef depth	0.12	0.05	-0.14	0.11					
<i>P</i> value	0.280	0.628	0.206	0.301					
bait method	-0.37	-0.21	-0.02	0.05	-0.03				
<i>P</i> value	0.000	0.061	0.893	0.634	0.785				
fishing injury	-0.26	-0.20	0.16	-0.02	0.10	0.10			
<i>P</i> value	0.016	0.072	0.149	0.838	0.368	0.372			
tagging injury	-0.06	-0.11	-0.09	0.01	0.13	-0.11	-0.07		
<i>P</i> value	0.553	0.309	0.424	0.927	0.242	0.288	0.495		
Surface Temp	0.03	0.23	-0.19	0.05	0.02	-0.19	-0.05	0.04	
<i>P</i> value	0.794	0.042	0.095	0.620	0.840	0.074	0.675	0.734	
Bottom Temp.	0.37	0.01	-0.28	-0.06	-0.15	0.09	-0.04	0.03	-0.05
<i>P</i> value	0.001	0.913	0.024	0.588	0.188	0.462	0.751	0.783	0.674
Mid-depth Temp.	0.00	0.04	0.42	0.06	0.28	-0.20	0.03	-0.07	0.49
<i>P</i> value	0.989	0.762	0.001	0.603	0.016	0.083	0.797	0.574	0.000
Surface Salinity	-0.05	-0.08	-0.10	-0.07	0.25	0.14	0.08	0.19	-0.28
<i>P</i> value	0.619	0.499	0.387	0.494	0.019	0.193	0.433	0.081	0.007
Mid-depth Salinity	0.09	0.00	-0.68	-0.09	0.33	0.27	0.04	0.12	0.14
<i>P</i> value	0.437	0.991	0.000	0.447	0.004	0.020	0.766	0.319	0.230
Bottom Salinity	0.19	-0.15	-0.67	-0.01	0.18	0.08	0.12	0.14	-0.05
<i>P</i> value	0.114	0.232	0.000	0.914	0.126	0.484	0.329	0.238	0.680
Surface DO	-0.32	0.13	0.51	0.04	-0.17	-0.09	-0.12	-0.20	0.36
<i>P</i> value	0.005	0.292	0.000	0.737	0.155	0.445	0.292	0.089	0.002
Mid-depth DO	0.20	0.09	-0.04	0.12	-0.03	-0.21	-0.17	0.17	-0.12
<i>P</i> value	0.098	0.460	0.771	0.302	0.778	0.078	0.145	0.152	0.328
Bottom DO	-0.10	0.05	0.44	0.14	-0.04	-0.32	-0.14	0.15	0.15
<i>P</i> value	0.399	0.716	0.000	0.244	0.753	0.006	0.232	0.216	0.189

Supplementary Table 2 continued

	Bottom Temp.	Mid-depth Temp.	Surface Salinity	Mid-depth Salinity	Bottom Salinity	Surface DO	Mid-depth DO
Mid-depth Temp.	0.36						
<i>P value</i>	0.002						
Surface Salinity	0.15	-0.42					
<i>P value</i>	0.191	0.000					
Mid-depth Salinity	0.32	-0.38	0.31				
<i>P value</i>	0.005	0.001	0.006				
Bottom Salinity	0.47	-0.09	0.10	0.70			
<i>P value</i>	0.000	0.422	0.419	0.000			
Surface DO	-0.69	0.01	-0.44	-0.47	-0.72		
<i>P value</i>	0.000	0.950	0.000	0.000	0.000		
Mid-depth DO	0.37	0.18	0.05	-0.13	0.15	-0.30	
<i>P value</i>	0.001	0.124	0.664	0.268	0.195	0.009	
Bottom DO	-0.30	0.04	0.13	-0.53	-0.49	0.39	0.48
<i>P value</i>	0.009	0.761	0.276	0.000	0.000	0.001	0.000

abbreviations: temp. = temperature, DO = dissolved oxygen