

SUPPLEMENTARY MATERIAL S11

TABLE S11 | Table with the generalized linear models for estimating population trends for Corrientes. Coefficient of the variable Year is the estimate for the best model. If the variable Year was not included in the best model, the estimate of the second best model including Year is given. The column Variables gives the variables included in the best model (Y: year, SI: Seasonality Index, HL: Hydrometric level, Lo: Longitude). Akaike's weight (W) are given for the best model and for the variable Year across all models. W can be interpreted as the probability of the model being true, given the data. Models with W for Year higher than 0.7 are highlighted in bold.

Species	Coefficient of year	Variables	W best model	W year
<i>Prochilodus lineatus</i>	-0.001	SI + Lo	0.399	0.312
<i>Pseudoplatystoma corruscans</i>	-0.054	Y + SI + Lo	0.423	0.930
<i>Pseudoplatystoma reticulatum</i>	0.003	SI + Lo	0.283	0.273
<i>Megaleporinus</i> spp.	-0.001	SI + HL + Lo	0.517	0.315
<i>Luciopimelodus pati</i>	-0.090	Y + SI + Lo	0.277	0.990
<i>Salminus brasiliensis</i>	-0.004	SI + HL + Lo	0.434	0.345
<i>Hoplias</i> spp.	-0.098	Y + HL + Lo	0.449	0.999
<i>Pterodoras granulosus</i>	-0.021	SI + HL	0.294	0.435
<i>Oxydoras kneri</i>	0.026	Y + SI + Lo	0.432	0.930
<i>Zungaro jahu</i>	-0.056	Y + SI + Lo	0.325	0.585
<i>Piaractus mesopotamicus</i>	-0.014	SI + HL + Lo	0.653	0.316
<i>Ageneiosus militaris</i>	-0.127	Y + SI + HL + Lo	0.732	0.918
<i>Ageneiosus inermis</i>	-0.225	Y + SI + HL + Lo	0.520	0.999
<i>Pimelodus maculatus</i>	-0.020	Y + SI + HL + Lo	0.944	0.948
<i>Pimelodus albicans</i>	-0.093	Y + SI + HL	0.279	0.822
<i>Sorubim lima</i>	-0.110	Y + SI + HL	0.616	0.978
<i>Hemisorubim platyrhynchos</i>	-0.030	Y + SI + Lo	0.731	0.999
<i>Brycon orbignyianus</i>	-0.006	SI + Lo	0.272	0.281
<i>Potamotrygon</i> spp.	0.032	Y + SI + Lo	0.177	0.751



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