

SUPPLEMENTARY MATERIAL S10

TABLE S10 | Table with the generalized linear models for estimating population trends for Santa Fe. 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, La: Latitude). Null model means the best model had only an intercept. 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>	0.052	Y + HL	0.379	0.936
<i>Pseudoplatystoma</i> spp.	-0.286	Y + SI	0.289	0.953
<i>Megaleporinus</i> spp.	-0.105	Y + SI + HL	0.249	0.809
<i>Luciopimelodus pati</i>	-0.569	Y + HL + La	0.545	0.999
<i>Salminus brasiliensis</i>	0.024	HL + La	0.383	0.318
<i>Hoplias</i> spp.	-0.158	Y + SI + La	0.230	0.863
<i>Pterodoras granulosus</i>	-0.232	null	0.200	0.384
<i>Oxydoras kneri</i>	-0.521	Y + SI + HL + La	0.948	0.999
<i>Ageneiosus</i> spp.	-0.184	SI + HL + La	0.360	0.248
<i>Pimelodus maculatus</i>	-0.368	Y + SI + La	0.500	0.969
<i>Pimelodus albicans</i>	-0.472	Y + SI	0.387	0.807
<i>Cyprinus carpio</i>	-0.188	La	0.187	0.564



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