

Note: This is Online Appendix 1 of Woodford, D.J., South, J., Mofu, L. & Pegg, J., 2024, 'River hydrology mediates fish invasions in Addo Elephant National Park, South Africa', *Koedoe* 66(1),a1806. <https://doi.org/10.4102/koedoe.v66i1.1806>

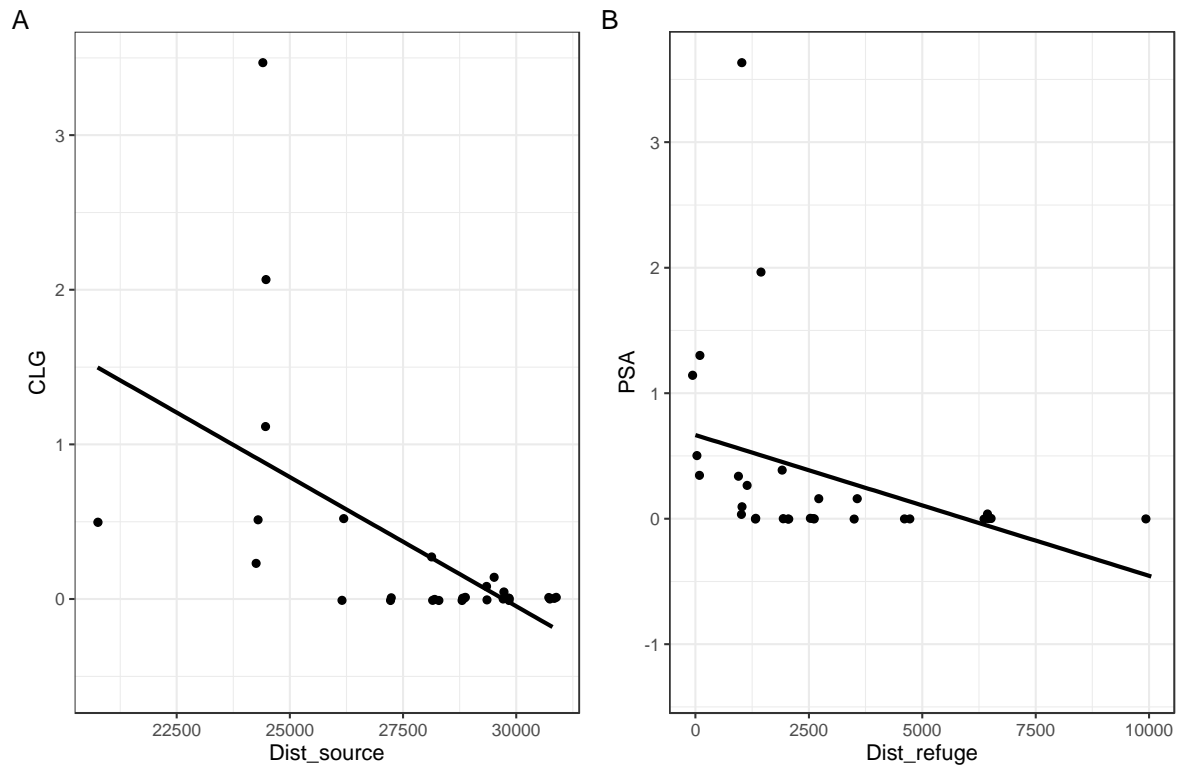


Figure S1: Linear regressions of A) extra-limital *Clarias gariepinus* mean standardised catch to distance from source (m) and B) *Pseudobarbus afer* mean standardised catch to distance to refuge (m) in the Coerney River

Table S1: Summary statistics for SIMPER analysis on the taxa driving dissimilarity between “extra-limital” and “native only”, as well as between “native only” and “bass” fish assemblages in rivers inside Addo Elephant National Park. Grey cells indicate fish species† whose relative abundance (Mean Standardised Catch) contributed the most to separation between the fish assemblages being contrasted.

Contrast: Native only vs Extralimital							
Species	average	sd	ratio	ava	avb	cumsum	p
PSA	0.208	0.254	0.819	0.981	0.157	0.228	0.883
ENP	0.200	0.248	0.807	0.644	0.566	0.448	0.299
LAU	0.157	0.234	0.673	0.023	1.291	0.620	0.002 **
CLG	0.145	0.134	1.078	0.000	0.827	0.778	0.001 ***
GLC	0.070	0.131	0.532	0.202	0.085	0.855	0.845
ANM	0.069	0.174	0.398	0.173	0.138	0.931	0.888
ORM	0.063	0.139	0.456	0.070	0.302	1.000	0.090
MIS	0.000	.000	NaN	0.000	0.000	1.000	1.000
Contrast: Native only vs Bass							
	average	sd	ratio	ava	avb	cumsum	p
MIS	0.343	0.238	1.440	0.000	1.426	0.361	0.001 ***
PSA	0.229	0.269	0.852	0.981	0.164	0.601	0.649
ENP	0.138	0.228	0.607	0.644	0.000	0.746	0.937
ANM	0.124	0.213	0.580	0.173	0.404	0.876	0.170
GLC	0.096	0.158	0.603	0.202	0.163	0.977	0.341
ORM	0.014	0.096	0.147	0.069	0.000	0.992	0.930
LAU	0.008	0.047	0.171	0.023	0.000	1.000	1.000
CLG	0.000	0.000	NaN	0.000	0.000	1.000	1.000

† Species codes: ORM = extra-limital *Oreochromis mossambicus*; CLG = extra-limital *Clarias gariepinus*; LAU = native *Labeo umbratus*; ENP = native *Enteromius pallidus*; PSA = native *Pseudobarbus afer*; GLC = native *Glossogobius callidus*; ANM = native *Anguilla mossambica*; MIS = invasive *Micropterus salmoides*