

Supplemental Material

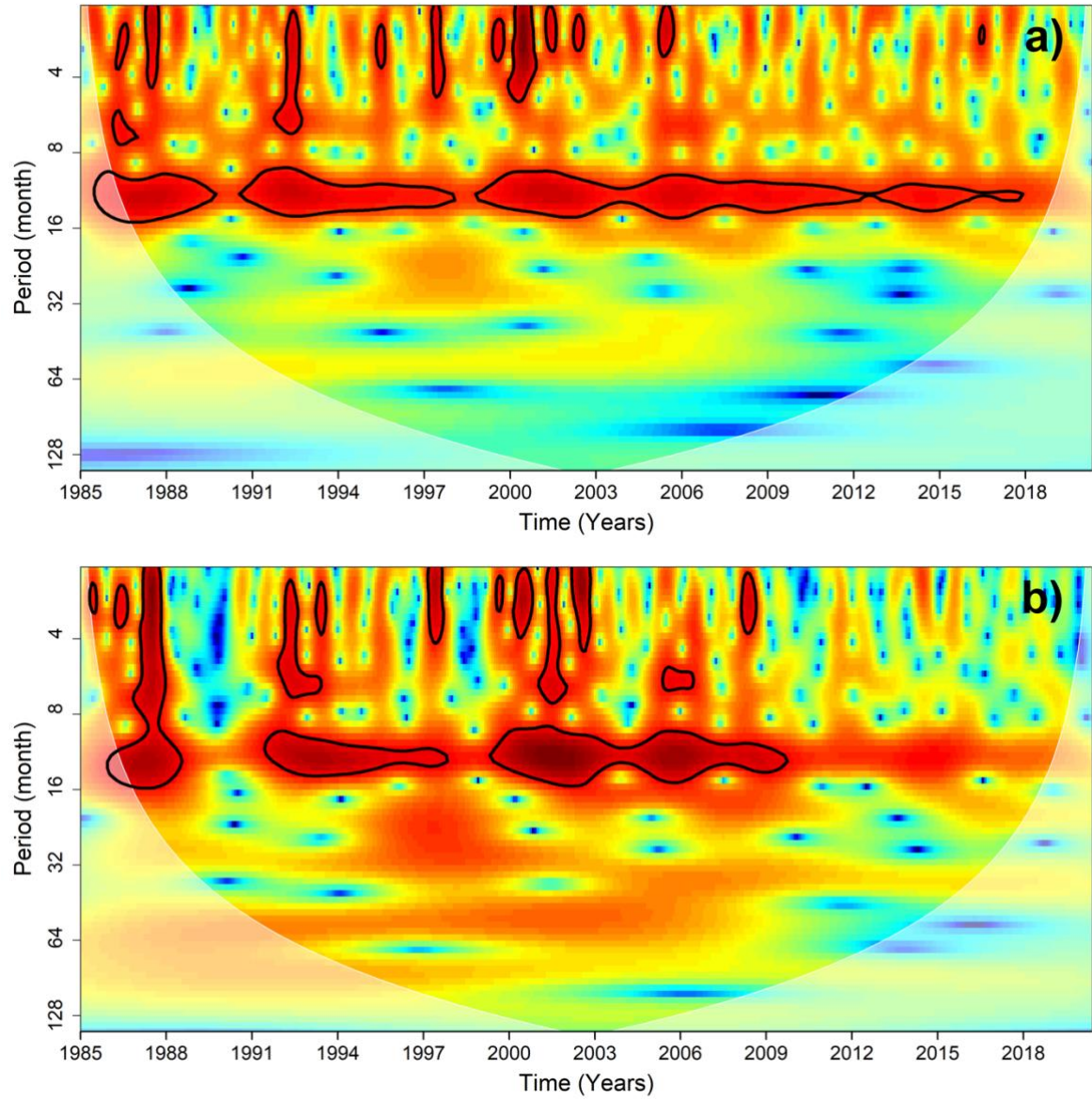


Fig S1 Wavelet analysis of (a) accumulated monthly precipitation in the Maule’s River basin and b) monthly riverine streamflow for the period 1985-2020. Black contour lines indicate cycles of significant frequencies ($p < 0.050$)

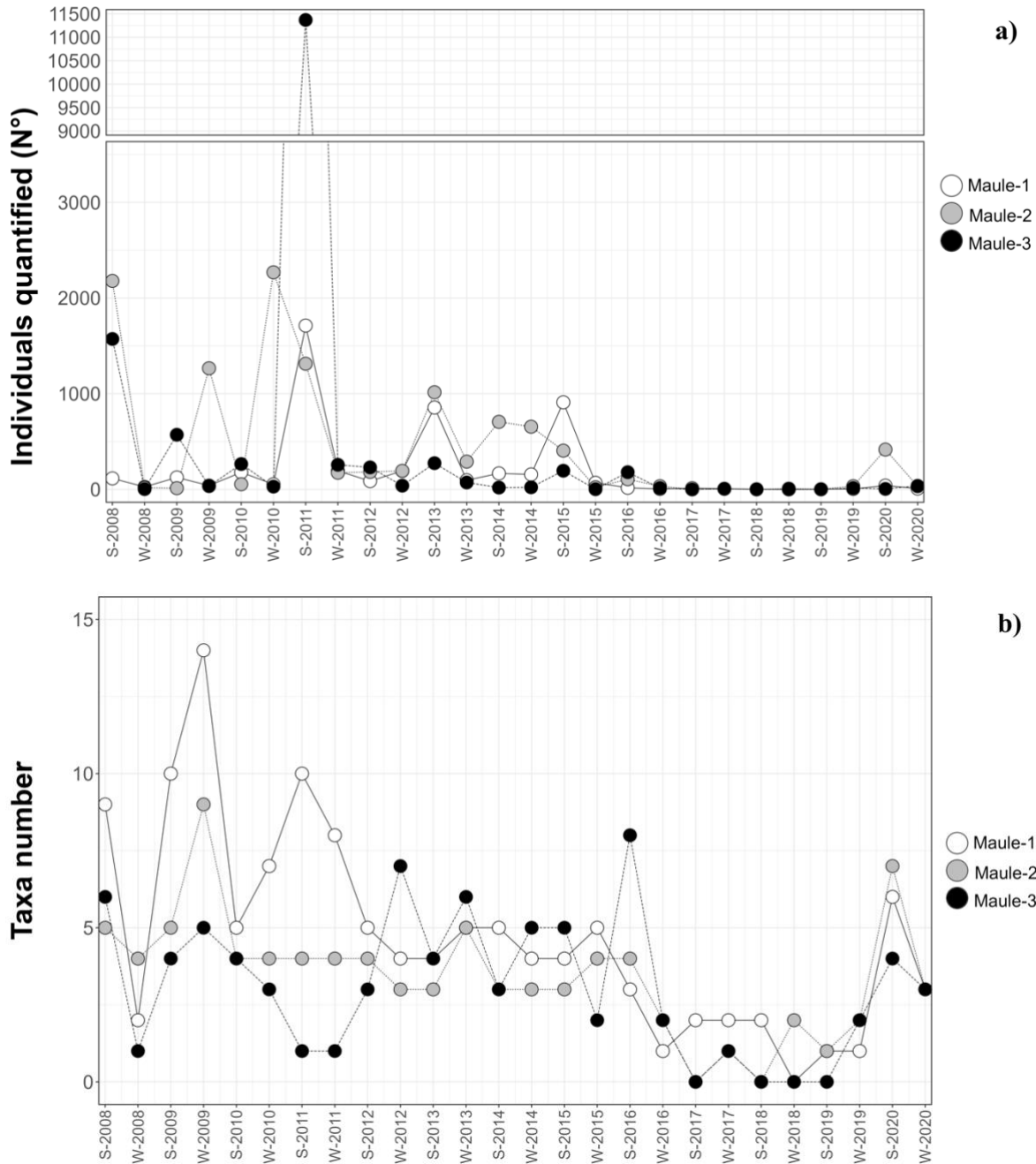
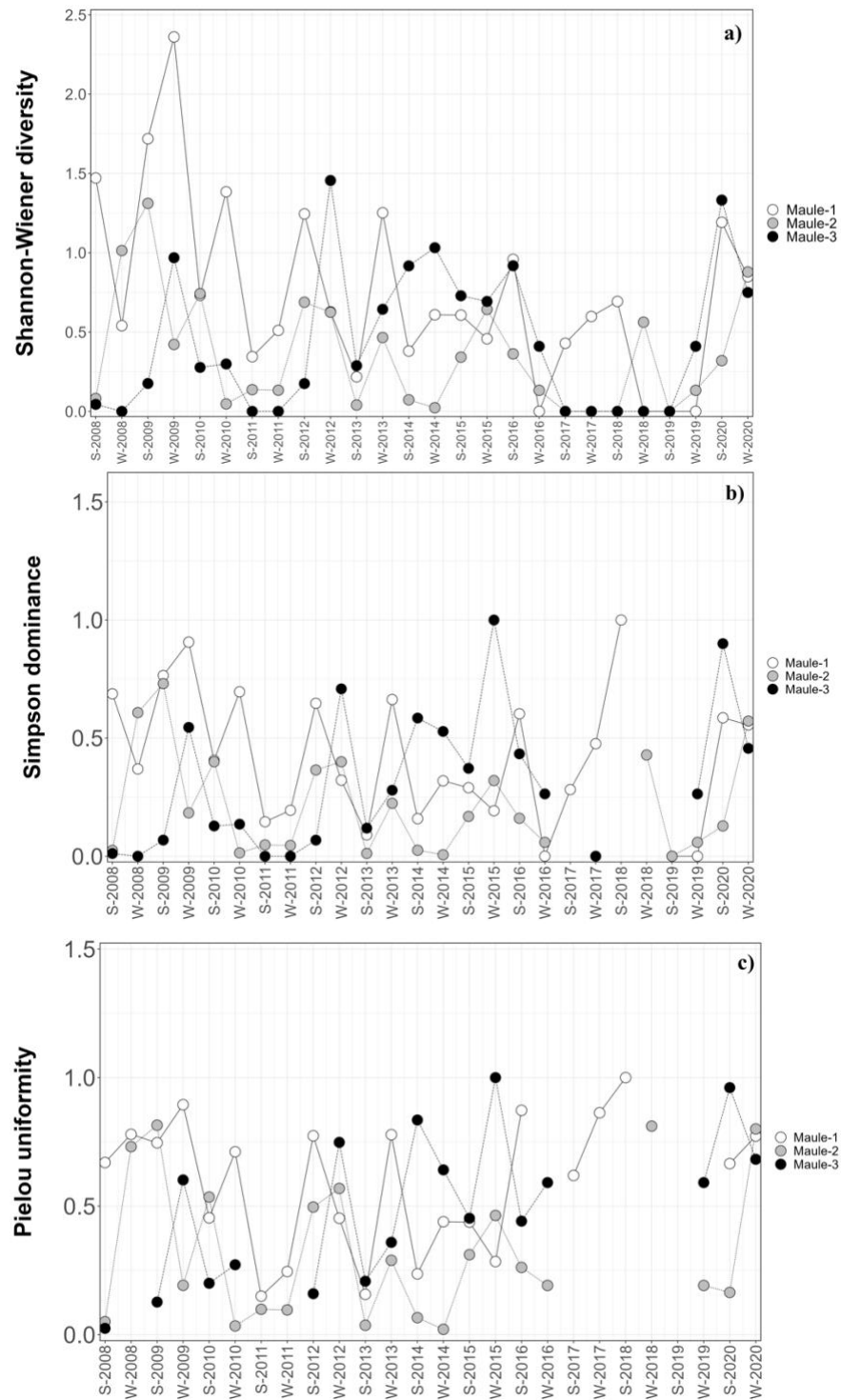


Fig S2 Temporal variability of (a) individuals quantified and (b) taxa identified by sampling stations and campaigns throughout the study period (2008-2020). Note the break in the scale (a) to indicate maximum number of individuals recorded (station Maule-3 - summer 2011)

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Fig S3 Temporal variability of (a) Shannon-Wiener diversity (H'), (b) Simpson dominance (λ), and (c) Pielou uniformity (J') by sampling location and campaigns throughout the study period (2008-2020). Note that missing points are related to periods in which no fauna were found

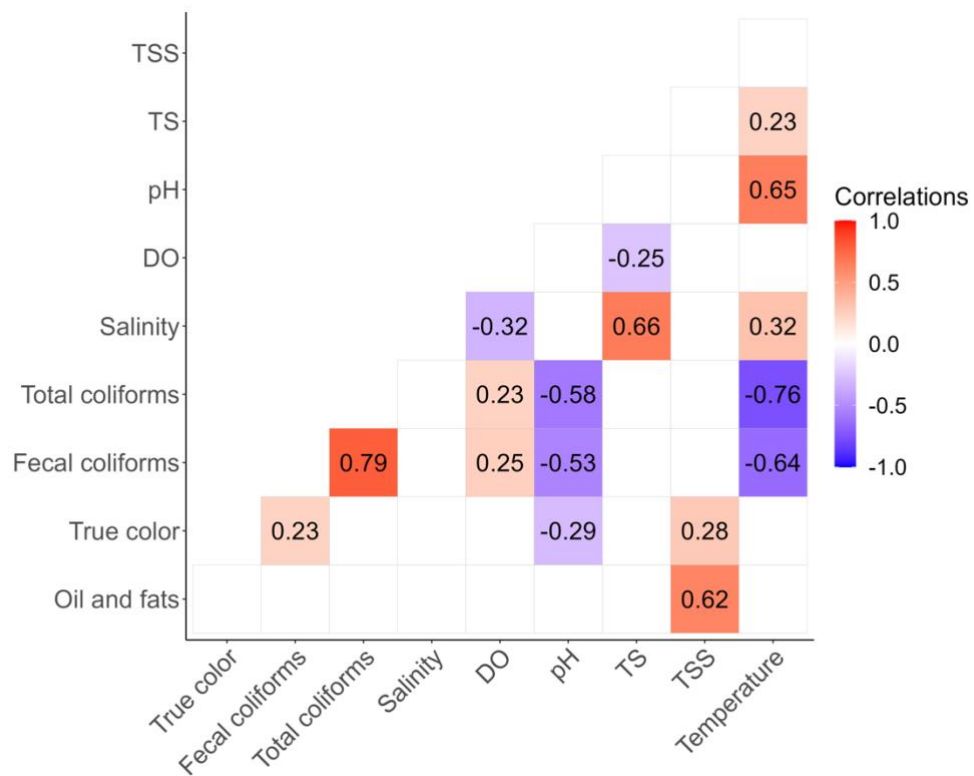


Fig S4 Results of Spearman correlation analysis for the physicochemical parameters evaluated. Note that only significant correlations ($p < 0.05$) are shown.