



FIGURE 2: Diagram of Ecological limit function (ELF) – (a) Example relation between mean annual flow (MAF) and fish species richness for the Potomac River HUC 6 watershed (020700). (b) ELF model derived from MAF-richness relation using the following methodology: (1) River Continuum Concept (RCC) breakpoint identified and used to isolate dataset of interest; (2) Quantile regression used to characterize the (3) upper subset of data; (4) ELF generated using natural log-linear regression of upper subset; (5) Regression statistics derived from ELF equation.

\hat{A}

m: -0.895 b: 25.289 $\hat{A} : 0.066$ adj $\hat{A} : 0.017$ p: 0.26

Upper 20% n: 21 Data Subset n: 104 Full Dataset n: 133