

Example regression trees illustrating relations among estimation method accuracy and explanatory variables.

[WRTDS\_K, Weighted Regressions on Time, Discharge, and Season method with Kalman filtering;  $\pm$ , plus or minus; %, percent; AIC\_COMP, LOADEST minimum Akaike information criteria method with local adjustments for residual departures using the composite method; CV\_C, coefficient of covariation of sampled concentrations;  $\geq$ , greater than or equal to; FLOW\_PK, fraction of peak sampled flows to peak observed flows;  $<$ , less than; SL50, slope of the logarithm of concentration and discharge for the 50 percent of samples at the highest flows; AIC, minimum Akaike information criteria method; SL, slope of the logarithm of concentration and discharge; BFI, base-flow index]

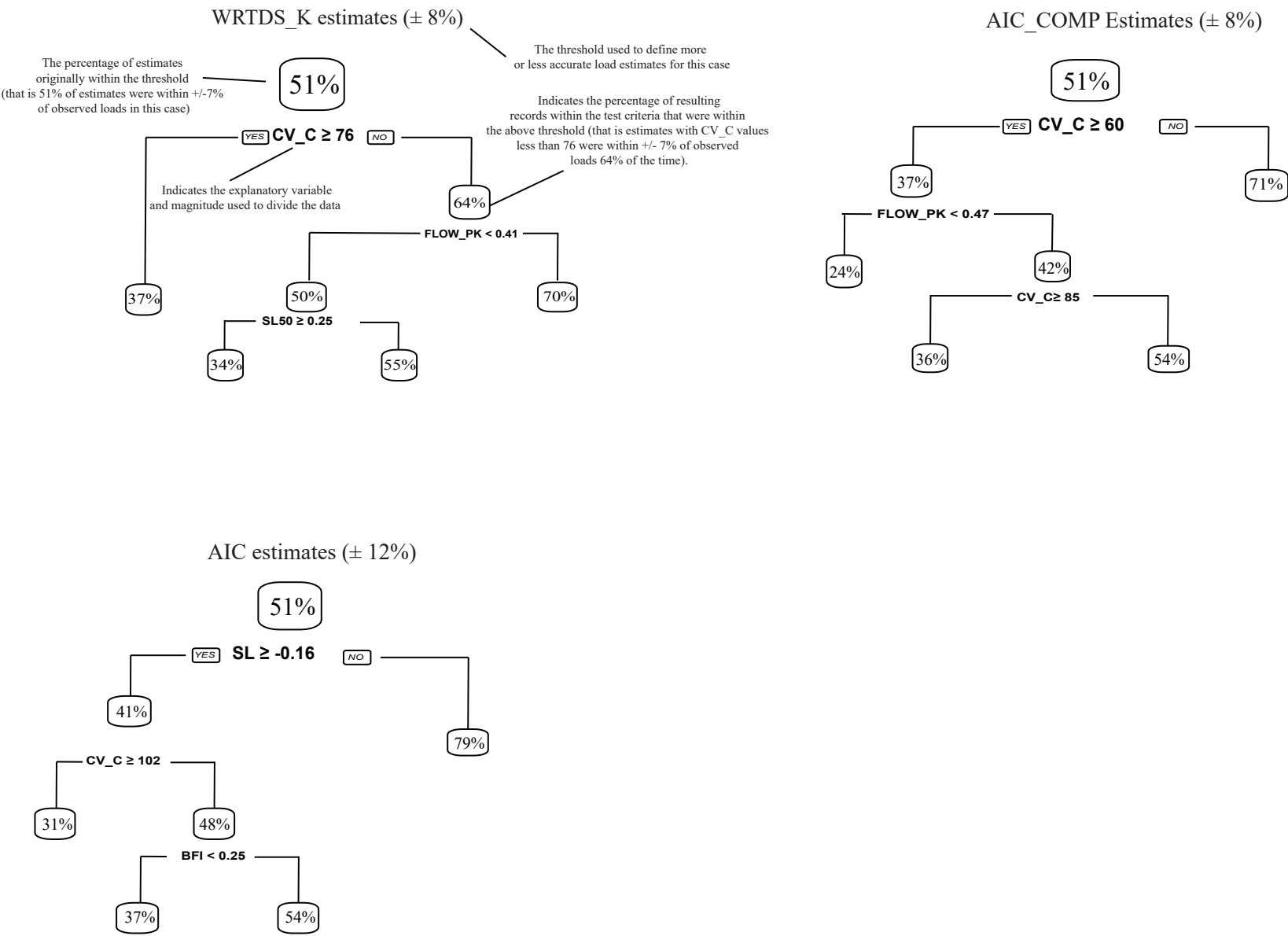


Figure 7.1