



Figure S1. Action functions for each of the univariate models with each variable scaled from 0 to 1 and the vertical axis representing the probability of impairment. Red line represents the logistic threshold, and dotted lines represent the 95% CI for the parameters estimated. Action function for A) alkalinity, B) BOD, C) conductivity, D) dissolved oxygen, E) hardness, F) NO_3 , G) PO_4 , and H) water temperature are shown.