Supplemental Appendix S9-- Biogeographic maps

Appendix S9 provides biogeographic distributions of 462 benthic invertebrate genera from an example data set of Ecoregions 69 and 70 in the USA.

INTRODUCTION

The geographical locations where 462 genera were observed in Ecoregions 69 and 70 (Omernik 1987) in West Virginia are shown, including those observed as infrequently as a single observation. Only genera that occurred at \geq 25 samples were included in the calculations of the 95th centile extirpation concentration (XC₉₅) values in Appendix S6. The maps for each genus illustrates their relative frequency of occurrence in the data set and spatial distribution. Please note that at each site 200 individuals in a sample were taxonomically identified, so the biogeographic range of less dominant taxa are not as well characterized. The methods for sample collection are provided with the metadata (Appendix S4).



Sampling Locations in WV Ecoregions

Figure S1. Sampling locations for the data set used to estimate XC₉₅ values in Supplemental Appendix S6.

























































































REFERENCES

Cormier, S. M., L. Zheng, E. W. Leppo, and A. Hamilton. (submitted 2017) Step-by-step calculation and spreadsheet tools for predicting stressor levels that extirpate genera and species. Integrated Environmental Assessment and Management.

Omernik, J. M. 1987. Ecoregions of the conterminous United States. Annals of the Association of American Geographers 77:118-125.