**Reading Report Form**

**Elemental Ecology (Fall 2023)**

Throughout the semester, you will participate in small-group and class-wide discussions of recently published papers from the primary peer-reviewed literature that illustrate how stable isotope data are applied to current scientific questions in the environmental and ecological sciences. The goal of these readings and discussions is to help you gain confidence in your abilities to comprehend scientific literature, critically evaluate recent work in isotopic ecology, and cogently discuss the methods and interpretations of isotope-based studies with your peers and colleagues. This reading report form is designed to guide you through the reading and prepare you for the corresponding discussion. Please answer the questions below ***prior*** to class and come armed with stimulating questions and ideas so that we all can learn from one another about the omnipotent power of stable isotopes.

**Student Name: Due Date:**

**Publication Citation:**

*What are the main questions being asked and how are they addressed with stable isotopes?*

*What did the authors do? What did they analyze and how often?*

*What isotope systems were used and what was the range of isotopic variation observed in the study?*

*What were the key isotopic fractionations/discriminations used to explain the observed isotopic variation?*

*What were the primary conclusions of the paper?*

*Why is this research important?*

*List two or three questions for further discussion (use back of printout if necessary). Were there any limitations to the study that could be addressed with future research?*