

Emily McQuarrie, Western Washington University, Bellingham WA, for her project:
Using marine sediments off Grays Harbor to reconstruct deglaciation of the Puget Lobe of the Cordilleran Ice Sheet

After working fifteen years towards a career in theater and hair, Emily discovered her love of sedimentary rocks on a camping trip to the Grand Canyon and the parks of Utah. She wanted to work in a field dedicated to positive world impact, and she discovered geochemistry and paleoclimate during her post baccalaureate degree in Geology at Oregon State University. Now a second year Master's student at Western Washington University, she believes that paving the way for understanding the climate crisis we face is especially relevant in the Pacific Northwest, her home, where regional weather events have worsened every year. As we continue to improve our understanding of the many challenges brought by climate change, more work on paleoclimate will be required. The Lipman Research Award will generously fund Emily's work pertaining to the Last Glacial Maximum and the climate surrounding the Pacific Northwest. Emily works with stable isotopes in marine sediments, analyzing terrestrial and marine organic carbon content to determine sediment source. This project will allow her to contribute to relevant research with climate science, and to better understand a field of study that is a growing concern for modern and future generations.

