

Kate Miller is a senior at the University of Nevada, Reno studying Environmental Science in the Honors College. Her research focuses on GIS analysis related to fire and water management. She works in the Nevada Mountain Ecohydrology Lab as a research assistant, conducting field and remote sensing work around Lake Tahoe and Yosemite. As part of the lab, she completed a research project on the effects of fire history, topography, and vegetation structure on drought resilience in fire-suppressed and fire-restored landscapes. Kate also works at an environmental consulting firm in Reno called McGinnis and Associates, helping with aerial imagery/remote sensing tasks as well as database maintenance, document preparation and administrative tasks. For her NVSGC scholarship, Kate is conducting research on early warning signals of drought-related tree mortality in the Illilouette Creek Basin.