Stanford



Katherine Colby Glover

Associate Director for Environmental Education, Jasper Ridge

Bio

BIO

I have a lifelong love for lakes and landscapes. This led to many years teaching environmental science curriculum, and researching Ice Age landscape change in North America. During my Ph.D. in Geography at UCLA, I developed a 120,000-year environmental history from lake sediment cores in the San Bernardino Mountains. I also worked with the La Brea Tar Pits fossil plant collection, and was fortunate to continue this research during my postdoc at the Climate Change Institute, University of Maine.

In my current role at Stanford, it is a privilege to highlight the beauty and complexity of California's native ecosystems every day to students, docents, colleagues, and visitors.

CURRENT ROLE AT STANFORD

Associate Director of Environmental Education, Jasper Ridge Biological Preserve ('Ootchamin 'Ooyakma)

EDUCATION AND CERTIFICATIONS

- B.A., DePauw University , Geology, cum laude
- M.S., University of Cincinnati , Geology
- Ph.D., UCLA , Geography

Teaching

COURSES

2025-26

- Ecology and Natural History of Jasper Ridge Biological Preserve: BIO 105A (Win)
- Ecology and Natural History of Jasper Ridge Biological Preserve: BIO 105B (Spr)
- Ecology and Natural History of Jasper Ridge Biological Preserve: EARTHSYS 105A (Win)
- Ecology and Natural History of Jasper Ridge Biological Preserve: EARTHSYS 105B (Spr)

2024-25

- Ecology and Natural History of Jasper Ridge Biological Preserve: BIO 105A (Win)
- Ecology and Natural History of Jasper Ridge Biological Preserve: BIO 105B (Spr)
- Ecology and Natural History of Jasper Ridge Biological Preserve: EARTHSYS 105A (Win)
- Ecology and Natural History of Jasper Ridge Biological Preserve: EARTHSYS 105B (Spr)

2023-24

- Ecology and Natural History of Jasper Ridge Biological Preserve: BIO 105A (Win)
- Ecology and Natural History of Jasper Ridge Biological Preserve: BIO 105B (Spr)
- Ecology and Natural History of Jasper Ridge Biological Preserve: EARTHSYS 105A (Win)
- Ecology and Natural History of Jasper Ridge Biological Preserve: EARTHSYS 105B (Spr)

Publications

PUBLICATIONS

- **Integrating Woody Biochar, Women, and Youth in Maine's Bioenergy Industry: Benefits and Challenges** *SUSTAINABILITY*
  Novak, A., Glover, K., Li, L.
  2022; 14 (22)
- **West Coast vegetation shifts as a response to climate change over the past 130,000 years: geographic patterns and process from pollen data** *PHYSICAL GEOGRAPHY*
  Glover, K. C., George, J., Heusser, L., MacDonald, G. M.
  2021; 42 (6): 542-560
- **Dredging Impacts on Soil Properties of the Kankakee River System 150 Years after Perturbation** *WETLANDS*
  Ferrara, J. V., Puhlick, J. J., Patterson, T. A., Glover, K. C.
  2020; 40 (6): 2577-2584
- **Southern California Vegetation, Wildfire, and Erosion Had Nonlinear Responses to Climatic Forcing During Marine Isotope Stages 5-2 (120-15 ka)** *PALEOCEANOGRAPHY AND PALEOCLIMATOLOGY*
  Glover, K. C., Chaney, A., Kirby, M. E., Patterson, W. P., MacDonald, G. M.
  2020; 35 (2)
- **Teaching California climate and vegetation change over long timescales: an NGSS unit using CalFlora and the Neotoma Paleoecology Database** *The California Geographer*
  Glover, K. C.
  2017; 56
- **Deglaciation, basin formation and post-glacial climate change from a regional network of sediment core sites in Ohio and eastern Indiana** *QUATERNARY RESEARCH*
  Glover, K. C., Lowell, T. V., Wiles, G. C., Pair, D., Applegate, P., Hajdas, I.
  2011; 76 (3): 401-410