

**Tal Shutkin**  
**Curriculum Vitae**  
**Last Updated: September 2021**

**Contact**

Department of Geography  
Byrd Polar & Climate Research Center      Email: [shutkin.3@osu.edu](mailto:shutkin.3@osu.edu)  
The Ohio State University                      Web: [byrd.osu.edu/people/shutkin.3](http://byrd.osu.edu/people/shutkin.3)  
Columbus, Ohio 43210-1361, USA

**Education**

2022    Master of Arts, Geography. The Ohio State University (expected)  
2019    Bachelor of Science with Honors Research Distinction (summa cum laude), Environment  
         and Natural Resources. The Ohio State University

**Professional Positions**

2021-2022    Graduate Research Assistant | Department of Geography, Ohio State University  
2019-2020    IGAP Environmental Assistant | Yukon River Inter-Tribal Watershed Council  
                    • Environmental Protection Agency grant for environmental monitoring,  
   solid waste management, and tribal sustainability programming  
2019           Science Intern | Yukon River Inter-Tribal Watershed Council  
2018-2019    Undergraduate Research Assistant | Byrd Polar and Climate Research Center

**Research Interests**

I study climate-driven changes to geomorphology and hydrology, aiming to align scientific approaches with experiences of climate change-impacted communities. My thesis research applies modelling techniques to investigate tropical glacier evolution in the past and future and explore the relationship between glacier change and water quality in the Peruvian Andes.

**Peer Reviewed Publications**

Stansell, N. D., Mark, B. G., Licciardi, J. M., Rodbell, D. T., Fairman, J., Schoessow, F. S., **Shutkin, T. Y.**, & Sorensen, M. (In review). Inverse modeling of early Holocene glaciers in the Queshque valley, Cordillera Blanca, Peru. Target journal: Quaternary Science Reviews.

**Fellowships, Research Grants, and Awards Received**

[\* (\*\*) marks 2 (4) year recurring scholarships]

2021    Water Managers Association of Ohio Scholarship | The Columbus Foundation  
2020    **University Fellowship** | The Ohio State University Graduate School  
2019    Undergraduate Research Paper Competition winner | University of Kentucky Dimensions  
         of Political Ecology Working Group  
2019    Honors Scholarship | The Ohio State University School of Environment and Natural  
         Resources  
2019    Undergraduate Research Scholarship | The Ohio State University College of Arts and  
         Sciences  
2018    International Research Grant | The Ohio State University College of Arts and Sciences  
2018    Academic Enrichment Grant | The Ohio State University Office of International Affairs  
2017    **Udall Scholarship** | The Udall Foundation

2017\* Kathryn Weisner Scholarship | The Ohio State University School of Environment and Natural Resources

2015\*\*Maximus Scholarship | The Ohio State University

### **Research Papers and Posters\* Presented at Professional Conferences**

2021\* *Temperature and Lapse Rate Sensitivity of Modeled Neoglacial Ice Extent in Queshque Valley, Peru (~10°S)* | American Geophysical Union, New Orleans

2019\* *The Muskwa-Kechika Management Area: Conservation from Culture to Politics* | Denman Undergraduate Student Research Forum | The Ohio State University

2019 *Conservation from Culture to Politics: Lessons from the Muskwa-Kechika Management Area* | Dimensions of Political Ecology Undergraduate Research Presentation | University of Kentucky

### **Field Research Experience**

2021 Research Collaborator | *Mixed methods assessment of hydroclimatic changes in alpine glacier and lake systems of the Beartooth Plateau, MT, USA* | (OSU Geography, Montana Wilderness Association)

2019-2020 Research Assistant | *Indigenous Observation Network* | Edda Mutter (National Science Foundation)

2020 Research Assistant | *Enhancing Tribal Resilience through Community-based Monitoring and Planning* | Maryann Fidel (Bureau of Indian Affairs Tribal Resilience)

2020 Research Assistant | *Traditional Knowledge of the Central Yukon Basin* | Maryann Fidel (National Science Foundation)

2018-2019 Undergraduate Researcher | *Indigenous Politics of Collaborative Conservation at the Muskwa-Kechika Management Area, British Columbia* | Undergraduate thesis advised by Dr. Anna Willow

### **Certifications and Trainings**

2020 Rural Alaska Landfill Administrator course completion

2020 Rural Alaska Landfill Operator Training completion

2019 FAA Par 107 UAV pilot's license

2019 Alaska Qualified Environmental Sampler training

2019 Wilderness First Aid certification, Wilderness Medical Associates

2018 Six Day Mountaineering and Glacier Safety training in North Cascades, WA, Alpine Ascents International

2017 Native Nation Building course completion, University of Arizona Native Nations Institute through the Udall Foundation

### **Data Management Skills**

Geographic Information Systems (ArcGIS, QGIS)

Python

### **Service to the Ohio State University Department of Geography**

2021-2022 Geography Graduate Organization Masters Social Chair

2020-2021 Graduate Student Anti-Racism Committee member

**Professional Organization Affiliations**

American Association of Geographers

American Geophysical Union

Water Management Association of Ohio