Kelsey M. Reese

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Education

PhD Candidate, Department of Anthropology   *August 2021*
University of Notre Dame, Notre Dame, Indiana

MA, Department of Anthropology   2018
University of Notre Dame, Notre Dame, Indiana

MA, Department of Anthropology   2014
Washington State University, Pullman, Washington

BA, Departments of Political Science and Anthropology   2010
University of Illinois, Urbana, Illinois

Appointments

Research Associate   2019–*present*
Santa Fe Institute, Santa Fe, New Mexico

Future Park Leaders of Emerging Change Fellow   2020
Valles Caldera National Preserve, Jemez Springs, New Mexico

Graduate Teaching Assistant   2017–2018
University of Notre Dame, Notre Dame, Indiana

Assistant Supervisor, GIS Database Manager   2015–2016
Southwest Archaeological Consultants, Inc., Santa Fe, New Mexico

Draftsperson, Field Archaeologist   2014
Human Systems Research, Inc., Las Cruces, New Mexico

Graduate Teaching Assistant   2012–2013
Washington State University, Pullman, Washington

Publications

PEER-REVIEWED

published

Reese, Kelsey M.
2021 Deep learning artificial neural networks for non-destructive archaeological site dating. *Journal of Archaeological Science* 132(105413): 1–14.

Reese, Kelsey M.
2020 Check Dam Agriculture on the Mesa Verde Cuesta. *Journal of Archaeological Science: Reports* 31(102372): 1–10.

Reese, Kelsey M., Donna M. Glowacki, and Timothy A. Kohler
2019 Dynamic Communities on the Mesa Verde Cuesta. *American Antiquity* 84(4): 728–747.

Kohler, Timothy A., and **Kelsey M. Reese**
2014 Long and spatially variable Neolithic Demographic Transition in the North American Southwest. *Proceedings of the National Academy of Sciences* 111(28): 10101–10106.

Chaired Symposia

Reese, Kelsey M., and Kathryn Harris
2016 Using GIS Modeling to Solve Real-World Archaeological Problems at the 44th International Meeting of the Computer Applications and Quantitative Methods in Archaeology, Oslo, Norway.

Kohler, Timothy A., and **Kelsey M. Reese**
2014 Coupled Regions, Coupled Systems: Dynamics of Prehispanic Farming Societies in the northern San Juan and the northern Rio Grande at the 79th Annual Meeting of the Society for American Archaeology, Austin, Texas.

Podium and Poster

Portman, Kathrine A., and **Kelsey M. Reese**
2021 A Geospatial Assessment of Reservoirs and Nearby Communities on the Mesa Verde North Escarpment. Poster presented in *Methods and Practice in Ancestral Puebloan Archaeology* at the 86th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Bergman, Stephanie, **Kelsey M. Reese**, Anastasia Steffen, and Nicholas L. Jarman
2021 First Came the Fires: Valles Caldera Landscape Futures in a Changing Climate. Poster presented in *Beyond Triage: Prioritizing Responses to Climate Change Impacts on Archaeological Resources* at the 86th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Reese, Kelsey M.
2019 A View from the Mesa Verde North Escarpment. Paper presented in Northern New Mexico and Four Corners at the 82nd Annual Pecos Conference, Cloudcroft, New Mexico.

Reese, Kelsey M.
2019 Ecological Marginality and Internal Migration on the Mesa Verde North Escarpment. Paper presented in Archaeological Data for Modern Problems. Modern Methods for Archaeological Questions at the 47th International Meeting of the Computer Applications and Quantitative Methods in Archaeology, Kraków, Poland.

Portman, Katherine A., and **Kelsey M. Reese**
2019 First Impressions of the Mesa Verde North Escarpment. Poster presented in Settlement and Society in the American Southwest at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico.

Reese, Kelsey M.
2019 All for Drone and Drone for Free: A Free and/or Open-Source Workflow for UAV Imagery Collection and Analysis. Poster presented in Novel Statistical Techniques in Archaeology II (QUANTARCH II) at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico.

Reese, Kelsey M., and Brian Yaquinto
2018 Mind the Gap: The Mesa Vere North Escarpment. Poster presented in Mesa Verde Ancestral Pueblo Villages: Recent Research at the 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C.

Reese, Kelsey M.
2017 Lived Landscapes: The Chaco Visibility Network. Paper presented at the Annual GISday Symposium hosted by the Center for Digital Scholarship and Center for Research Computing, Notre Dame, Indiana.

Reese, Kelsey M., Molly Iott, Katherine Portman, Donna M. Glowacki, James M. Potter, and Scott G. Ortman
2017 Pottery Production at Cowboy Wash Pueblo: A Central Village on the Ute Piedmont Frontier. Poster presented in Current Ceramics Research in the American Southwest at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, British Colombia.

Reese, Kelsey M.
2016 From the Empirical to the Conjectural: Using Spatial Analysis to Determine Population Settlement Patterns on the Uncharted Mesa Verde Landform. Poster presented in General Southwest II at the 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida.

Reese, Kelsey M.
2016 From the Empirical to the Conjectural: Settlement Patterns on the Mesa Verde Landform. Paper presented in Using GIS Modeling to Solve Real-World Archaeological Problems at the 44th International Meeting of the Computer Applications and Quantitative Methods in Archaeology, Oslo, Norway.

Reese, Kelsey M., Timothy A. Kohler
2015 Agency of Access: Public Architecture in Mesa Verde National Park. Paper presented in Ancient Architecture and Spatial Technology: A Global Perspective at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, California.

Reese, Kelsey M.
2014 Letting the Data Define the Terms: Mapping Community Size and Expanse in Mesa Verde Proper. Paper presented in Coupled Regions, Coupled Systems: Dynamics of Prehispanic Farming Societies in the northern San Juan and the northern Rio Grande at the 79th Annual Meeting of the Society for American Archaeology, Austin, Texas.

Kohler, Timothy A., **Kelsey M. Reese**, Stefani A. Crabtree, R. Kyle Bocinsky, and Brian M. Kemp
2014 Prolegomenon: VEP II, Almost in Retrospect. Paper presented in Coupled Regions, Coupled Systems: Dynamics of Prehispanic Farming Societies in the northern San Juan and the northern Rio Grande at the 79th Annual Meeting of the Society for American Archaeology, Austin, Texas.

Kohler, Timothy A., R. Kyle Bocinsky, and **Kelsey M. Reese**
2014 A 2,000-Year Perspective on People and Climate Change in the Neolithic U.S. Southwest. Paper presented in Discovering Long-Term Climatic Vulnerabilities at the Nature-Society Inerface at the Annual Meeting of the American Association for Advancement of Science, Chicago, Illinois.

Reese, Kelsey M., R. Kyle Bocinsky, Donna M. Glowacki, Scott G. Ortman, and Timothy A. Kohler
2013 What Are Communities, Really? Paper presented in New Directions in Modeling Dynamics

for Coupled Social-Natural Systems at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii.

Reese, Kelsey M., R. Kyle Bocinsky, Kay E. Barnett, Stefani A. Crabtree, Elise Alonzi, Andrew Steier, Donna M. Glowacki, and Timothy A. Kohler
2012 Large, Aggregated Villages in Little Soda Canyon. Poster presented in Southwest at the 77th Annual Meeting of the Society for American Archaeology, Memphis, Tennessee.

Kohler, Timothy A., and **Kelsey M. Reese**
2012 Revisiting the Neolithic Demographic Transition in the North American Southwest. Paper presented in Approaching Convergence in Archaeological Demography at the 13th Biennial Southwest Symposium, Albuquerque, New Mexico.

Glowacki, Donna M., Timothy A. Kohler, Kay E. Barnett, R. Kyle Bocinsky, Stefani A. Crabtree, **Kelsey M. Reese**, Elise Alonzi, and Andrew Steier
2011 Large Villages in Upper Soda Canyon: an update on VEP fieldwork. Paper presented in Mesa Verde at the 74th Annual Pecos Conference, Mile-and-a-Half Lake, Arizona.

Invited Lectures

Reese, Kelsey M.
2020 A Comprehensive Model for Wildfire and Cultural Resource Management at Valles Caldera National Preserve. Presented to the East Jemez Resources Council: Cultural Resources Subcommittee, Valles Caldera National Preserve, Jemez Springs, New Mexico.

Reese, Kelsey M.
2019 The Mesa Verde North Escarpment: Fieldwork and Preliminary Thoughts from the In-between. Presented as part of the Four Corners Lecture Series and hosted by the Hisatsinom Chapter of the Colorado Archaeological Society, Cortez, Colorado.

Reese, Kelsey M.
2019 Ecological Marginality and Internal Migration on the Mesa Verde North Escarpment. Presented as part of the Fellows Luncheon Speaker Series at the Center for Research and Interdisciplinarity, Paris, France.

Reese, Kelsey M., and Timothy A. Kohler
2015 Agency of Access: Public Architecture in Mesa Verde National Park. Presented as part of the National Park Service Archaeology Program "ArcheoThursday" webinar series, Santa Fe, New Mexico.

Reese, Kelsey M.
2014 Modern Technology, Ancient Communities: The Archaeology of Prehistoric Settlement Patterns. Presented as part of the Branigan Cultural Center "History Notes" lecture series, Las Cruces, New Mexico.

Media

2019 "Dynamic Communities on the Mesa Verde Cuesta with Kelsey Reese - Episode 118" on *The ArchaeoTech Podcast*. Presented by the Archaeology Podcast Network with Paul Zimmerman and Chris Webster.

2019 "Pueblo villages thrived on Mesa Verde escarpment" by Jim Mimiaga in *The Journal*.

2019 "SAA19 Poster Session Interviews, Part 2" on the *Women in Archaeology Podcast*.

2018 "Reading the Remains" by Brendan O'Shaughnessy in *Notre Dame Magazine*.

Technical Reports

Reese, Kelsey M.
2021 *Mesa Verde North Escarpment Survey: Class III Survey of State-managed Land on the Mesa Verde North Escarpment, Montezuma County, Colorado.* Report on file with History Colorado in compliance with Research Permit #76476, Denver, Colorado.

Reese, Kelsey M.
2019 *Fieldwork Episode Report 2019: Survey of Bureau of Land Management Sites on the Mesa Verde North Escarpment.* Report on file at the Bureau of Land Management Tres Rios Field Office in compliance with Research Permit C–79006, Dolores, Colorado.

Reese, Kelsey M.
2018 *Fieldwork Episode Report 2018: Preliminary Survey of Bureau of Land Management Sites on the Mesa Verde North Escarpment.* Report on file at the Bureau of Land Management Tres Rios Field Office in compliance with Research Permit C–79006, Dolores, Colorado.

Glowacki, Donna M., R. Kyle Bocinsky, **Reese, Kelsey M.**, and Katherine A. Portman
2017 *The Mesa Verde Community Center Survey: Summer 2017.* Report on file at Mesa Verde National Park and Crow Canyon Archaeological Center, Cortez, Colorado.

Glowacki, Donna M., with contributions by Elise Alonzi, R. Kyle Bocinsky, and **Reese, Kelsey M.**
2012 *The Mesa Verde Community Center Survey: Final Report.* Manuscript submitted to the National Science Foundation and Mesa Verde National Park in compliance with deliverable for NSF Grant DEB–0816400, on file with Crow Canyon Archaeological Center, Cortez, Colorado and Washington State University, Pullman, Washington.

Research and Fieldwork

Project Director, Mesa Verde North Escarpment Survey   2021
Mesa Verde North Escarpment, Cortez, Colorado

Field Archaeologist, Far View Archaeological Project   2019
Mesa Verde National Park, Cortez, Colorado

Project Director, Mesa Verde North Escarpment Survey   2019
Mesa Verde North Escarpment, Cortez, Colorado

Visiting Researcher, Transitions in the Longue Durée   2019
Center for Research and Interdisciplinarity, Paris, France

Project Director, Mesa Verde North Escarpment Survey   2018
Mesa Verde North Escarpment, Cortez, Colorado

Field Archaeologist, Village Reassessment Project   2017
Mesa Verde National Park, Cortez, Colorado

Volunteer, Cliff Palace Stabilization Project   2015
Mesa Verde National Park, Cortez, Colorado

Research Excavation Intern, Basketmaker Communities Project   2013
Crow Canyon Archaeological Center, Cortez, Colorado

Visiting Researcher, The Principles of Complexity, John Templeton Foundation   2012
Santa Fe Institute, Santa Fe, New Mexico

Field Archaeologist, Mesa Verde Community Center Survey   2012
Mesa Verde National Park, Cortez, Colorado

Graduate Researcher, Village Ecodynamics Project II, National Science Foundation   2011–2014
Washington State University, Pullman, Washington

Field Archaeologist, Mesa Verde Community Center Survey   2011
Mesa Verde National Park, Cortez, Colorado

Field School Student, Mississippian Initiative   2010
University of Illinois, Trempealeau, Wisconsin

Awards

Award for Computational Sciences and Visualization   2019
Center for Research Computing at the University of Notre Dame

Honorable Mention   2017
National Science Foundation Graduate Research Fellowship Program

International CAA Recycle Award   2016
Computer Applications and Quantitative Methods in Archaeology - International

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Fellowships

University Presidential Fellowship in Humanities and Social Sciences, *$29,000*   2020
University of Notre Dame, Notre Dame, Indiana

University Presidential Fellowship in Humanities and Social Sciences, *$29,000*   2019
University of Notre Dame, Notre Dame, Indiana

University Presidential Fellowship in Humanities and Social Sciences, *$29,000*   2018
University of Notre Dame, Notre Dame, Indiana

University Presidential Fellowship in Humanities and Social Sciences, *$26,500*   2017
University of Notre Dame, Notre Dame, Indiana

University Presidential Fellowship in Humanities and Social Sciences, *$26,000*   2016
University of Notre Dame, Notre Dame, Indiana

Grants

EXTERNAL

Research Grant, *$318*   2021
Arizona Archaeological and Historical Society, Tucson, Arizona

Conference Travel Grant, *$500*   2019
Arizona Archaeological and Historical Society, Tucson, Arizona

Fieldwork Award for LiDAR Data Collection   2019
SPatial Archaeometry Research Collaborations, Fayetteville, Arkansas

Conference Expense Bursary, *€800*   2019
Computer Applications and Quantitative Methods in Archaeology, Kraków, Poland

Cooperative Agreement, *$10,100*   2018
Bureau of Land Management, Tres Rios Field Office, Dolores, Colorado

Satellite Imagery Grant   2018
DigitalGlobe Foundation, Westminster, Colorado

Conference Travel Grant, *$500*   2016
Arizona Archaeological and Historical Society, Tucson, Arizona

Conference Expense Bursary, *€370*   2016
Computer Applications and Quantitative Methods in Archaeology, Oslo, Norway

Conference Travel Grant, *$400*   2015
Arizona Archaeological and Historical Society, Tucson, Arizona

Conference Travel Grant, *$300*   2014
Arizona Archaeological and Historical Society, Tucson, Arizona

Conference Travel Grant, *$300*   2013
Arizona Archaeological and Historical Society, Tucson, Arizona

Conference Travel Grant, *$300*   2012
Arizona Archaeological and Historical Society, Tucson, Arizona

INTERNAL

Graduate Student Research Award, *$1,967*   2021
Institute for Scholarship in the Liberal Arts, Notre Dame, Indiana

Conference Travel Grant, *$833*   2020
Dean of Arts and Letters, Notre Dame, Indiana

Graduate Student Research Award, *$865*   2019
Institute for Scholarship in the Liberal Arts, Notre Dame, Indiana

Notebaert Professional Development Fund, *$1,875*   2019
The Graduate School, Notre Dame, Indiana

Conference Travel Grant, *$300*   2019
Department of Anthropology, Notre Dame, Indiana

Conference Presentation Grant, *$200*   2019
Graduate Student Union, Notre Dame, Indiana

Summer Research Grant, *$2,000*   2018
Department of Anthropology, Notre Dame, Indiana

Graduate Student Research Award, *$3,840*   2017
Institute for Scholarship in the Liberal Arts, Notre Dame, Indiana

Conference Registration Grant, *$99*   2014
Graduate and Professional Student Association, Pullman, Washington

Conference Travel Grant, *$276*   2014
Graduate and Professional Student Association, Pullman, Washington

Conference Registration Grant, *$99*   2013
Graduate and Professional Student Association, Pullman, Washington

Conference Travel Grant, *$400*   2013
Graduate and Professional Student Association, Pullman, Washington

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Academic Service

Member, Program Committee   2021
Society for American Archaeology Annual Meeting, San Francisco, California

Panelist, Current Questions and Debates in the Discipline of Southwest Archaeology   2020
University of Colorado Museum of Natural History, Boulder, Colorado

Panelist, Current Questions and Debates in the Discipline of Southwest Archaeology   2020
University of Colorado Museum of Natural History, Boulder, Colorado

Graduate Student Committee Member, External Review Board   2018
Department of Anthropology, University of Notre Dame, Notre Dame, Indiana

Anthropology Undergraduate Mentor   2017–2018
Department of Anthropology, University of Notre Dame, Notre Dame, Indiana

Graduate Student Committee Member, Archaeology Faculty Search   2017
Department of Anthropology, University of Notre Dame, Notre Dame, Indiana

Educator, Expanding Your Horizons STEM Conference   2017
University of Notre Dame, Notre Dame, Indiana

Conference Submission Reviewer   2016
Computer Applications and Quantitative Methods in Archaeology, Atlanta, Georgia

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Professional Memberships

Arizona Archaeological and Historical Society
Computer Applications and Quantitative Methods in Archaeology - International
Society for American Archaeology

References

DR. MARK GOLITKO

> University of Notre Dame
> Department of Anthropology
> 254 Corbett Family Hall
> Notre Dame, Indiana 46556
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> *Email* mgolitko@nd.edu
> *Phone* (574) 631–3763

DR. TIMOTHY A. KOHLER

> Washington State University
> Department of Anthropology
> College Hall 150
> Pullman, Washington 99164
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> *Email* tako@wsu.edu
> *Phone* (509) 335–2698

DR. DEVIN A. WHITE

> Sandia National Laboratories
> Autonomous Sensing & Perception
> P.O. Box 5800, MS 1163
> Albuquerque, New Mexico 87185
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> *Email* dwhite@sandia.gov
> *Phone* (505) 284–4008

DR. R. KYLE BOCINSKY

> University of Montana, Montana Climate Office
> W.A. Franke College of Forestry and Conservation
> 32 Campus Drive
> Missoula, Montana 59812
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> *Email* kyle.bocinsky@umontana.edu
> *Phone* (770) 362–6659

DR. STEFANI A. CRABTREE

> Utah State University
> Department of Environment and Society
> S.J. & Jessie E. Quinney College of Natural Resources
> 5200 Old Main Hill
> Logan, Utah 84322
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> *Email* stefani.crabtree@usu.edu
> *Phone* (435) 797–0813