

CURRICULUM VITAE
JONATHAN DOMBROSKY
Crow Canyon Archaeological Center
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EDUCATION

Degrees

- 2021 Ph.D. in Anthropology, University of New Mexico (with distinction)
Dissertation: *Effects of Environmental Change on Ancestral Pueblo Fishing in the Middle Rio Grande*
Advisor: Dr. Emily Lena Jones
- 2015 M.S. in Applied Geography concentrating in Environmental Archaeology, University of North Texas
Thesis: *The Descriptive Paleontology and Applied Ichthyoarchaeology of the Ponsipa Fauna*
Advisor: Dr. Steve Wolverton
- 2013 B.A. in Anthropology with honors (Magna Cum Laude), University of North Texas
Thesis: *Student Perception of Feral Cats and Their Effects on Campus Wildlife*
Advisor: Dr. Steve Wolverton

PROFESSIONAL APPOINTMENTS

- 2024-Pres. *Environmental Archaeologist*, Crow Canyon Archaeological Center, Cortez, CO.
- 2021–Pres. *Adjunct Assistant Professor of Archaeology (appointed by Letter of Academic Title)*,
Department of Anthropology, University of New Mexico, Albuquerque.
- 2019–Pres. *Research Associate*, Crow Canyon Archaeological Center, Cortez, CO.
- 2021–2023 *Postdoctoral Scholar in Fauna Analyses*, Crow Canyon Archaeological Center, Cortez, CO.

RESEARCH FOCI

Environmental Archaeology, Zooarchaeology, North American Prehistory, Human Ecology, Stable Isotope Ecology, 3D Geometric Morphometrics, Historical Ecology, Conservation Biology, Archaeometry, and Data Science

PUBLICATIONS

(*student collaborator)

Books

Wolverton, S., and **J. Dombrosky**

- 2023 *Becoming a Researcher: Making the Transition to Graduate School*, Revised Edition,
Society of Ethnobiology, Tacoma, WA.

Articles in Refereed Journals

Dombrosky, J., M. LaZar, S. D. Newsome

In prep Individuals from Isotopes: Can Stable Isotopes Distinguish the Skeletal Remains of Different Raptors within the Same Species? For submission to *Journal of Archaeological Method and Theory*. ISSN: [1573-7764](https://doi.org/10.1573-7764).

Gil, A., C. Otaola, **J. Dombrosky**, M. Luna, G. Quiroga, A. Dauverné, S. Wolverton, R. Pereyra Lobos, G. Neme

2024 Dietary Change of North Patagonian Guanacos: A Historical Ecology Perspective through the Study of Stable Isotopes. *The Holocene*. DOI: [10.1177/09596836241231454](https://doi.org/10.1177/09596836241231454).

Dombrosky, J., C. S. Ainsworth, A. A. Judkins, J. V. Meyer, M. A. Adler, and E. L. Jones

2023 Reconsidering Archaeological Garden Hunting: A View from the Northern U.S. Southwest. *Journal of Archaeological Science: Reports*. 51:104194. DOI: [10.1016/j.jasrep.2023.104194](https://doi.org/10.1016/j.jasrep.2023.104194).

Dombrosky, J., T. F. Turner, *A. Harris, and E. L. Jones

2022 Body Size from Unconventional Specimens: A 3D Geometric Morphometrics Approach to Fishes from Ancestral Pueblo Contexts. *Journal of Archaeological Science*. 142. DOI: [10.1016/j.jas.2022.105600](https://doi.org/10.1016/j.jas.2022.105600) (selected for editor's spotlight)

Dombrosky, J., A. C. Besser, E. Elliott Smith, C. Conrad, L. P. Barceló, and S. D. Newsome

2020 Resource Risk and Stability in the Zooarchaeological Record: The Case of Pueblo Fishing in the Middle Rio Grande, New Mexico. *Archaeological and Anthropological Sciences* 12:248. DOI: [10.1007/s12520-020-01193-0](https://doi.org/10.1007/s12520-020-01193-0).

Dombrosky, J.

2020 A ~1000-Year ¹³C Suess Correction Model for the Study of Past Ecosystems. *The Holocene* 30:474-478. DOI: [10.1177/0959683619887416](https://doi.org/10.1177/0959683619887416).

Barker, A., **J. Dombrosky**, B. Venables, and S. Wolverton

2018 Taphonomy and Negative Results: An Integrated Approach to Ceramic-Bound Protein Residue Analysis. *Journal of Archaeological Science* 94:32-43. DOI: [10.1016/j.jas.2018.03.004](https://doi.org/10.1016/j.jas.2018.03.004).

Jones, E. L., **J. Dombrosky**, C. S. Ainsworth

2018 Special Guest Co-editor, KIVA (ISSN 0023-1940), New Directions in Southwestern Zooarchaeology. *KIVA* 84:46-50. DOI: [10.1080/00231940.2017.1420614](https://doi.org/10.1080/00231940.2017.1420614).

Wolverton, S., **J. Dombrosky**, and R. Lee Lyman

2016 Practical Significance: Ordinal Scale Data and Effect Size in Zooarchaeology. *International Journal of Osteoarchaeology* 26:255-265. DOI: [10.1002/oa.2416](https://doi.org/10.1002/oa.2416).

Dombrosky, J., S. Wolverton, and L. Nagaoka

2016 Archaeological Data Suggest Broader Early Historic Distribution for Blue Sucker (*Cycleptus elongatus*, Actinopterygii, Catostomidae) in New Mexico. *Hydrobiologia* 771:255-263. DOI: [10.1007/s10750-015-2639-9](https://doi.org/10.1007/s10750-015-2639-9).

Barker, A., **J. Dombrosky**, D. Chaput, B. Venables, S. Wolverton, and S. Stevens
2015 Validation of a Non-Targeted LC-MS Approach for Identifying Ancient Proteins: Method Development on Bone to Improve Artifact Residue Analysis. *Ethnobiology Letters* 6:162–174. DOI: [10.14237/ebl.6.1.2015.294](https://doi.org/10.14237/ebl.6.1.2015.294).

Dombrosky, J. and S. Wolverton

2014 TNR and Conservation on a University Campus: A Political Ecological Perspective. *PeerJ* 2:e312. DOI: [10.7717/peerj.312](https://doi.org/10.7717/peerj.312).

Chapters in Edited Volumes

Wolverton, S., A. Barker, and **J. Dombrosky**

2016 Paleoethnobiology. In *Introduction to Ethnobiology*, edited by U. P. Albuquerque and R. R. Nóbrega Alves, pp. 25–32. Springer, New York, NY. DOI: [10.1007/978-3-319-28155-1_5](https://doi.org/10.1007/978-3-319-28155-1_5).

Wolverton, S., **J. Dombrosky**, and A. Barker

2014 Paleoetnobiologia. In *Introdução à Etnobiologia*, edited by U. P. Albuquerque. NUPEEA, Recife, Brazil.

Reports

Dombrosky, J., *A. Feldstein

2024 Year Two of Archaeofaunal Analysis at the Haynie Site (5MT1905). In *Excavation and Additional Studies at The Haynie Site (5MT1905) by Crow Canyon Archaeological Center Annual Progress Report 2023*, edited by R. D. Satterwhite, S. C. Ryan, K. Throgmorton, S. Copeland, K. Hughes, J. Merewether, and R. Sinensky, pp. 70–104. Crow Canyon Archaeological Center, Cortez, CO. Available [here](#).

Dombrosky, J., *E. Gilmore

2023 Year One of Archaeofaunal Analysis at the Haynie Site (5MT1905). In *Excavation and Additional Studies at The Haynie Site (5MT1905) by the Crow Canyon Archaeological Center Annual Report 2022*, edited by K. Throgmorton, S. C. Ryan, J. Dombrosky, B. Bellorado, S. Copeland, K. Hughes, and J. Merewether, pp. 45-88. Crow Canyon Archaeological Center, Cortez, CO. Available [here](#).

Dombrosky, J., A. Gillreath-Brown, L. Ellyson, S. Wolverton

2018 Faunal Remains. In *Goodman Point Community Testing*, edited by K. Kuckelman. Crow Canyon Archaeological Center, Cortez, CO. Report on file with Crow Canyon Archaeological Center, Cortez, CO.

Barker, A., **J. Dombrosky**, A. Eddins, B. Venables, and S. Wolverton

2014 Residue Analyses of Artifacts from the Dillard Site, Southwestern Colorado. Report on file with Crow Canyon Archaeological Center, Cortez, CO.

General Articles

*LaZar, M., and **J. Dombrosky**

2022 Exploring Raptor Exchange in the U.S. Southwest and Mexican Northwest. In *Birds in the Southwest* a special issue for *Archaeology Southwest Magazine*, edited by Katelyn J. Bishop and Christopher W. Schwartz.

Book Reviews

- 2022 Review of *Birds of the Sun: Macaws and People in the U.S. Southwest and Mexican Northwest* edited by Christopher W. Schwartz, Stephen Plog, and Patricia A. Gilman. *Journal of Anthropological Research*.
- 2017 Review of *Zooarchaeology and Field Ecology: A Photographic Atlas* by Jack M. Broughton and Shawn D. Miller. *Journal of California and Great Basin Anthropology* 37(1):105–106.
- 2016 Review of *Applied Zooarchaeology: Five Case Studies* by Steve Wolverton, Lisa Nagaoka, and Torben C. Rick. *Ethnobiology Letters* 7(1):104–105. DOI: 10.14237/ebl.7.2.2016.832.
- Review of *Rivers, Fish, and the People: Tradition, Science, and Historical Ecology of Fisheries in the American West* edited by Pei-Lin Yu. *Ethnobiology Letters* 7(1):38–41. DOI: 10.14237/ebl.7.1.2016.641.
- 2014 Review of *Winds from the North: Tewa Origins and Historical Anthropology* by Scott G. Ortman. *Ethnobiology Letters* 5:132–134. DOI: 10.14237/ebl.5.2014.278.

RESEARCH FUNDING & FELLOWSHIPS

- 2021 Raptor Research Foundation, *Wings to Fly Travel Grant*, \$750
UNM, *Moore Travel Grant*, \$215
- 2020 UNM, *Hibben Doctoral Research Fellowship*, \$16,000
National Science Foundation, *Doctoral Dissertation Improvement Award*, \$30,298 (BCS 2005346)
- 2019 UNM, *GPSA Student Research Grant*, \$500
UNM, *Department of Anthropology, Moore Travel Grant*, \$500
- 2018 UNM, *GPSA New Mexico Research Grant (High Priority)*, \$5,000
UNM, *Center for Regional Studies Graduate Research Fellowship*, \$9,000
Friends of Coronado Historic Site Scholarship, \$1,500
- 2017 UNM, *Moore Student Research Grant*, \$1,000
- 2016 UNM, *GPSA New Mexico Research Grant (General Priority)*, \$3,000
UNM, *GPSA Professional Development Grant*, \$500
- 2015 UNM, *GPSA Student Research Grant*, \$500
UNM, *Lewis R. Binford Graduate Fellowship*, \$31,000
UNT, *Toulouse Graduate School Travel Grant*, \$600
UNT, *College of Arts and Sciences Travel Grant*, \$400
- 2014 UNT, *Thesis/Dissertation Fellowship*, \$26,000
- 2013 UNT, *Tuition Grant*, \$1,000
- 2012 UNT, *Undergraduate Research Fellowship*, \$3,000

TEACHING APPOINTMENTS

Instructor

- Spring 2021 ANTH 2175: World Archaeology, Online Course, Department of Anthropology, University of New Mexico
- Fall 2019 ANTH 1211: Introduction to Archaeological Method and Theory, In-Person Lecture Course, Department of Anthropology, University of New Mexico

Teaching/Graduate Assistantships

- Fall 2020 *Graduate Assistant*, ANTH 2175: World Archaeology, Online Course, Department of Anthropology, University of New Mexico.
- Spring 2020 *Graduate Assistant*, ANTH 484/584: Zooarchaeology, In-Person Lecture Course, Department of Anthropology, University of New Mexico.
- Fall 2015/Spring 2016 *Graduate Assistant*, ANTH 101: Introduction to Anthropology, Both an In-Person Lecture and Online Course, Department of Anthropology, University of New Mexico.
- Fall 2013/Spring 2014 *Teaching Assistant*, ARCH 2800: Archaeological Science Lab, In-Person Lab Course, Department of Geography, University of North Texas.

STUDENT TRAINING

Completed Advisees

- Ahna Feldstein *Committee Member*, graduated Fall 2023, M.S., Department of Archaeology, Boston University
- Eric Gilmore *Committee Member*, graduated Spring 2023, M.S., Department of Geography and the Environment, University of North Texas.

Interns

- Ahna Feldstein *Zooarchaeology Intern*, Summer 2023, Crow Canyon Archaeological Center, Cortez, CO.
- Eric Gilmore *Zooarchaeology Intern*, Summer 2022, Crow Canyon Archaeological Center, Cortez, CO.

Co-PI

- Alexandra Harris Research Assistant on NSF Doctoral Dissertation Improvement Award (BCS 2005346), Spring 2021. Currently Ph.D. student (Human Evolutionary Biology) at Harvard University.
- Ana Skinner Research Assistant on NSF Doctoral Dissertation Improvement Award (BCS 2005346), Fall 2021.

Informal Mentorship

- Miranda LaZar *Graduate Student Mentor*, Spring 2017–2019, Honor's Thesis project "Tracking Individual Raptors in the Archaeological Record: Implications for the Study of Ritual Economies in New Mexico." Currently Ph.D. student (Archaeology) at University of Arizona.

CONFERENCE PRESENTATIONS

- 2024 **Dombrosky, J.** "Two Years of Reproducible Archaeofaunal Reports at Crow Canyon Archaeological Center." Poster to be presented at the 45th Annual Conference of the Society of Ethnobiology between April 24th and April 27th in St. Louis, MO.
- Dombrosky, J., S. Wolverton, T. McCright.** "Assessing Inter- and Intraobserver Variability in Barbara Lawrence's Criteria for Identifying Pronghorn and Deer Astragali." Poster to be presented at the 45th Annual Conference of the Society of Ethnobiology between April 24th and April 27th in St. Louis, MO.
- Wolverton, S., C. G. Armstrong, **J. Dombrosky**, S. C. Ryan. "Taphonomic Perspectives on Archaeological Faunal Abundance and Its Relevance to Identifying Cultural Keystone

Places.” Paper to be presented at the 45th Annual Conference of the Society of Ethnobiology between April 24th and April 27th in St. Louis, MO.

Dombrosky, J., S. C. Ryan, S. Copeland, R. D. Satterwhite. “Bickering over Bison Bones: Radiocarbon and Stable Isotope Analysis to Determine Number of Individuals at the Haynie Site (5MT1905).” Poster to be presented at the 89th Annual Society for American Archaeology (SAA) Conference between April 17th and April 21st in New Orleans, LA.

Wolverton, S., **J. Dombrosky**, L. Nagaoka, and S. C. Ryan. “Taphonomic Analysis with Multisite Big Data in the Central Mesa Verde Region.” Paper to be presented at the 89th Annual Society for American Archaeology (SAA) Conference between April 17th and April 21st in New Orleans, LA.

Nagaoka, L., **J. Dombrosky**, S. Wolverton, E. L. Jones, and S. C. Ryan. “A Differential Recovery Checklist for Zooarchaeology in the U.S. Southwest.” Poster to be presented at the 89th Annual Society for American Archaeology (SAA) Conference between April 17th and April 21st in New Orleans, LA.

2023 **Dombrosky, J.** “Ancestral Pueblo Fishing Associated with Mixed Foraging Goals and Environmental Stability in the Middle Rio Grande of New Mexico.” Poster presented at the 88th Annual Society for American Archaeology (SAA) Conference on March 30th in Portland, OR.

Gilmore, E., **J. Dombrosky**, L. Nagaoka, and S. Wolverton. “Welcome to the Machine: New Techniques in Predictive Modeling for Improving Data Quality in Zooarchaeology.” Paper presented at the 88th Annual Society for American Archaeology (SAA) Conference on April 1st in Portland, OR.

Conrad, C., **J. Dombrosky**, A. Judkins, J. Kocer, and E. L. Jones. “Hydrogen and Oxygen ($\delta^2\text{H}$ and $\delta^{18}\text{O}$) Isotopes and the Study of Human-Turkey Relationships in the Northern US Southwest.” Paper presented at the 88th Annual Society for American Archaeology (SAA) on March 30th in Portland, OR.

2022 **Dombrosky, J.** “Preliminary Findings from the Haynie Site (5MT1905) Fauna.” Poster at presented at the 87th Annual Society for American Archaeology (SAA) Conference on April 2nd in Chicago, IL.

2021 **Dombrosky, J.**, M. LaZar. “Tracking Individual Raptors in the Archaeological Record Using Stable Isotopes: Limitations, Possibilities, and Causes of Intraskkeletal δ -Value Variation.” Paper recorded for the Online 2021 Annual Raptor Research Foundation Conference on October 11th.

Dombrosky, J. “The Impact of Fish Body Size on Ancestral Pueblo Foraging Decisions in New Mexico, ca. AD 1350–1600.” Paper recorded for the Online 86th Annual Society for American Archaeology (SAA) Conference on March 20th.

LaZar, M. and **J. Dombrosky**. “Tracking Individual Raptors in the Archaeological Record Using Stable Isotopes: Limitations, Possibilities, and Causes of Intraskkeletal δ -Value Variation.” Paper recorded for the Online 86th Annual Society for American Archaeology (SAA) Conference on March 12th.

2020 **Dombrosky, J.** “The Impact of Fish Body Size on Ancestral Pueblo Foraging Decisions in New Mexico, ca. AD 1350–1600.” Paper to be presented at 85th Annual Society for American Archaeology (SAA) Conference on April 22nd through the 26th in Austin, TX. (Cancelled due to COVID-19 Pandemic.)

Jones, E. L. and **J. Dombrosky**. "Environmental Risk and Culture Change in the Middle Rio Grande Valley of New Mexico." Paper to be presented at 85th Annual Society for American Archaeology (SAA) Conference on April 22nd through the 26th in Austin, TX. (Cancelled due to COVID-19 Pandemic.)

LaZar, M. and **J. Dombrosky**. "Tracking Individual Raptors in the Archaeological Record Using Stable Isotopes: Limitations, Possibilities, and Causes of Intraskelatal δ -Value Variation." Paper to be presented at 85th Annual Society for American Archaeology (SAA) Conference on April 22nd through the 26th in Austin, TX. (Cancelled due to COVID-19 Pandemic.)

Scott, K., **J. Dombrosky**, C. Conrad, E. L. Jones. "Tracking Exchange through Stable Isotope Analysis: A Preliminary Study of the Turkeys from Tijeras Pueblo, New Mexico, USA." Paper to be presented at 85th Annual Society for American Archaeology (SAA) Conference on April 22nd through the 26th in Austin, TX. (Cancelled due to COVID-19 Pandemic.)

Dombrosky, J., S. Wolverton, L. Nagaoka, and E. L. Jones. "Detecting the Impact of Differential Recovery on US Southwestern Archaeofaunas." Poster presented at the 17th Biennial Southwest Symposium from January 30th to February 1st in Tempe, AZ.

2019 **Dombrosky, J.**, E. A. Elliott Smith, A. Besser, S. D. Newsome. "Assessing the past Influence of Terrestrial Production on Aquatic Ecosystem Function in the Middle Rio Grande with Zooarchaeological Fish Remains." Paper presented at the Middle Rio Grande Endangered Species Collaborative Program 2019 Science Symposium on December 3rd in Albuquerque, NM.

Dombrosky, J. "Towards a More Accurate Estimation of Fish Body Size from Fragmented Skeletal Remains." Paper presented at the 20th Meeting of the ICAZ Fish Remains Working Group on August 27th in Portland, OR.

Dombrosky, J. "Why Pursue Fish in Small Quantities? The Case of Ancestral Puebloan Fishing in the PIV Middle Rio Grande." Paper presented at the 84th Annual Society for American Archaeology (SAA) Conference on April 14th in Albuquerque, NM.

LaZar, M., **J. Dombrosky**, E. L. Jones, S. Newsome. "Tracking Individual Raptors in The Archaeological Record Using Stable Isotope Analysis: Some Implications for the Study of Ritual Economies in New Mexico." Poster presented at the 84th Annual Society for American Archaeology (SAA) Conference on April 12 in Albuquerque, NM.

Jones, E. L., **J. Dombrosky**, and L. Steele. "Measuring Change in the New Mexican Early Spanish Colonial Period: A View from the Fauna from Isleta Pueblo Mission Convento." Paper presented at the 84th Annual Society for American Archaeology (SAA) Conference on April 12 in Albuquerque, NM.

Besser, A. C., E. A. Elliott Smith, **J. Dombrosky**, T. F. Turner, S. D. Newsome. "A Southwestern Producer Essential Amino Acid $\delta^{13}\text{C}$ Library: Potential Archaeological Applications." Paper presented at the 84th Annual Society for American Archaeology (SAA) Conference on April 12 in Albuquerque, NM.

LaZar, M. and **J. Dombrosky**. "Tracking Individual Raptors in the Archaeological Record: Implications for the Study of Ritual Economies in New Mexico." Poster presented at the 23rd Anthropology Graduate Student Union Conference on March 1st in Albuquerque, NM.

2018 **Dombrosky, J.**, E. L. Jones, M. LaZar, and S. D. Newsome. "Instruments of Captivity: Exploring the Relationship between Raptor Management and Whistle/Flute Production in

- Pueblo IV New Mexico." Poster presented at the 16th Biennial Southwest Symposium on January 6th in Denver, CO.
- 2017 **Dombrosky, J.**, E. L. Jones, and S. D. Newsome. "Raptor Management and Whistle/Flute Production in Pueblo IV New Mexico." Paper presented at the 82nd Annual Society for American Archaeology (SAA) Conference on April 1st in Vancouver, Canada.
- Steele, L., E. L. Jones, and **J. Dombrosky**. "Rebound, Stress, Persistence, or Subsistence? The Pre-Pueblo Revolt Fauna from Isleta Mission Convento." Paper presented at the 82nd Annual Society for American Archaeology (SAA) Conference on April 1st in Vancouver, Canada.
- Dombrosky, J.** "Searching for Correspondence between Commensal Politics and Political Organization in the Terminal Pueblo III Mesa Verde World." Paper presented at the biennial Big Meeting at Crow Canyon (Big MACC) on March 3, 2017 in Cortez, CO.
- 2016 **Dombrosky, J.**, E. L. Jones, C. Conrad, and L. P. Barceló. "Historical Ecology of the Middle Rio Grande: Results from the Isleta Mission Convento Ichthyofauna and Future Applications." Poster presented at the Pecos Conference on August 6th in Alpine, AZ.
- Dombrosky, J.**, E. L. Jones, C. Conrad, and L. P. Barceló. "Historical Ecology of the Middle Rio Grande: Results from the Isleta Mission Convento Ichthyofauna and Future Applications." Poster presented at the American Quaternary Association's (AMQUA) 24th biennial meeting on June 29th in Santa Fe, NM.
- Dombrosky, J.** and E. L. Jones. "Stable Isotope Analysis and the Changing Rio: Results from the Isleta Mission Convento Ichthyofauna and Future Applications." Paper presented at the 2016 Geography, Anthropology, Biology Research Activities Forum (GABRAF) on May 16th in Denton, TX.
- Dombrosky, J.** "Zooarchaeological Data Suggest Broader Early Historic Distribution for Blue Sucker (*Cycleptus elongatus*) in New Mexico." Paper presented at the 39th Annual Society of Ethnobiology Conference on March 18th in Tucson, AZ.
- Jones, E. L., C. Conrad, L. P. Barceló, **J. Dombrosky**, and S. Newsome "The Changing Rio: Insights from the Seventeenth Century Ichthyofauna of Isleta Mission Convento (LA 724)." Paper presented at the 2016 Stable Isotopes in Zooarchaeology Working Group Meeting on March 3rd in Athens, GA.
- 2015 **Dombrosky, J.**, A. Barker, A. Eddins, S. Wolverton, and B. Venables. "Characterizing Weathered Protein Residues from an Intra-Annual Cooking Experiment: A Mass Spectrometry Approach." Poster presented at the 80th Annual Society of American Archaeology (SAA) Conference on April 16th in San Francisco, CA.
- Barker, A., **J. Dombrosky**, A. Eddins, K. Schleher, and B. Venables. "Taphonomy and Negative Results: An Integrated Approach to Residue Analysis." Poster presented at the 80th Annual Society for American Archaeology (SAA) Conference on April 16th in San Francisco, CA.
- Wolverton, S., A. Barker, **J. Dombrosky**, B. Venables, and S. Stevens. "Application of Protein Mass Spectrometry to Zooarchaeological Bone." Poster presented at the 80th Annual Society for American Archaeology (SAA) Conference on April 17th in San Francisco, CA.
- 2014 **Dombrosky, J.**, L. Nagaoka, and S. Wolverton. "Patches and Pulls: Assessing the Role of Large Game in the Mesa Verde/Northern Rio Grande Migration (ca. AD 1300)." Paper

presented at the 12th International Conference of Archaeozoology (ICAZ) on September 27th in San Rafael, Argentina.

Dombrosky, J. “Region as Patch: Assessment of Foraging Efficiency in Mesa Verde and the Northern Rio Grande (ca. AD 1300).” Paper presented at the 2014 Geography, Anthropology, Biology Research Activities Forum (GABRAF) on May 19th in Denton, TX.

Dombrosky, J., L. Nagaoka, and S. Wolverton. “Large Game Abundance and Source-Sink Dynamics in the Northern Rio Grande and Mesa Verde regions ca. AD 1300.” Poster presented at the 37th Annual Society of Ethnobiology Conference on May 14th in Cherokee, NC.

Barker, A., **J. Dombrosky,** D. Chaput, S. Wolverton, B. Venables, and S. M. Stevens, Jr. “Blood from Bones: Protein Residues from Zooarchaeological Remains at Goodman Point Pueblo.” Poster presented at the 37th Annual Society of Ethnobiology Conference on May 14th in Cherokee, NC.

Dombrosky, J., L. Nagaoka, and S. Wolverton. “Abundance of Large Game and Source-Sink Dynamics in the Northern Rio Grande and Mesa Verde at AD 1300.” Poster presented at the 79th Annual Society of American Archaeology (SAA) Conference on April 24th in Austin, TX.

2013 **Dombrosky, J.** and S. Wolverton. “The Political Ecology of Free-Ranging Cats: Pet Ownership and Wildlife Conservation.” Poster presented at the 2013 Southwestern Association of American Geographers (SWAAG) Conference on October 25th in Nacogdoches, TX.

Dombrosky, J. “Animal Resource Abundance in the Mesa Verde and Northern Rio Grande Regions during Late Prehistory.” Paper presented at the 2013 Geography, Anthropology, Biology Research Activities Forum (GABRAF) on July 18th in Denton, TX.

2012 **Dombrosky, J.** “Notes on the Reality of Archaeological Data: Two Zooarchaeological Case Studies from the Northern Rio Grande Region of New Mexico.” Paper presented at UNT Scholar’s Day on April 19th in Denton, TX.

Dombrosky, J. “Student Perception of Feral Cats and Their Effects on Campus Wildlife.” Paper presented at the 35th Annual Society of Ethnobiology Conference on April 13th in Denver, CO.

SYMPOSIA ORGANIZED

2024 Measuring up to Environmental Archaeology: New Biometric Applications to the Study of Past Plant and Animal Remains (co-chair Martin H. Welker). Poster symposium scheduled for the Society of Ethnobiology Conference between April 24th and 27th in St. Louis, MO.

Advances in Data Science and Environmental Archaeology (co-chair Molly Carney). Poster symposium scheduled for the Society of Ethnobiology Conference between April 24th and 27th in St. Louis, MO.

2023 Stability and Resilience in Zooarchaeology (co-chair Kara Larson). Poster symposium for the 88th Annual Society for American Archaeology (SAA) Conference on March 30th in Portland, OR.

2021 The Human/Raptor Interface in Archaeological Research and Its Multidisciplinary Potential (co-chair Katelyn J. Bishop). Raptor Research Foundation, 2021 Annual Conference, October 8–14 in Boise, ID.

- 2016 Zooarchaeology in the American Southwest and Northwest Mexico: New Pathways and Future Directions (co-chair Emily Lena Jones). Society of Ethnobiology 39th Annual Conference, Tucson, AZ.
- 2013 Zooarchaeology (co-chair Amy Hoffman). Society of Ethnobiology 36th Annual Conference, Denton, TX.
- Paleoethnobiology: Humans and Environments in Time. Society of Ethnobiology 36th Annual Conference, Denton, TX.

PUBLIC AND GUEST LECTURES/SEMINARS

- 2023 “Ancestral Pueblo Fishing and Environmental Change in the Middle Rio Grande of New Mexico.” April 13th, Department of Anthropology, University of Alabama, Tuscaloosa.
- “Ancestral Pueblo Fishing and Environmental Change in the Middle Rio Grande of New Mexico.” February 27th, Department of Anthropology, University of Arkansas, Fayetteville.
- 2022 “Down the Rabbit Hole: Testing the Garden Hunting Hypothesis in the Northern U.S. Southwest.” November 7th, Lecture for the Taos Archaeological Society, Taos, NM.
- “Ancestral Pueblo Fishing Strategies” July 7th, Four Corners Lecture Series organized by Crow Canyon Archaeological Center.
- “Ancestral Pueblo Fishing and Environmental Change in the Middle Rio Grande of New Mexico.” February 22nd, Anthropology Seminar, Department of Anthropology, Boise State University, Boise, ID.
- 2021 “Individuals from Isotopes: Can Stable Isotopes Distinguish the Skeletal Remains of Individual Cooper’s Hawks (*Accipiter cooperii*)?” November 17th, Webinar for the Department of Archaeology, Simon Fraser University.
- “Ancestral Pueblo Fishing Strategies in the Middle Rio Grande of New Mexico.” September 16th, Four Corners Lecture Series organized by Canyon of the Ancients National Monument.
- “Fishing for Foodways: The Nature/Culture Dichotomy in Ancestral Pueblo Food Studies.” April 2nd, Ruth E. Kennedy Lecture, UNM, Albuquerque, NM.
- 2020 “Testing the Garden Hunting Hypothesis in the Ancestral Pueblo World.” November 19th, [Archaeology Webinar lecture](#) for Crow Canyon Archaeological Center.
- “Environmental Impact on Ancestral Pueblo Fishing in the Middle Rio Grande.” October 20th, Webinar lecture for the Albuquerque Archaeological Society.
- “Introduction to Zooarchaeology.” October 2nd, Online lecture for Introduction to Archaeological Method and Theory (ANTH 1211), UNM course taught by Scott Kirk, Albuquerque, NM.
- 2019 “Testing the Garden Hunting Hypothesis in the Pueblo IV Middle Rio Grande and Beyond.” June 20th, Brownbag lecture given to Crow Canyon Archaeological Center, Cortez, CO.
- “Introduction to Zooarchaeology.” June 6th, Lab session given to Crow Canyon Archaeological Center College Field School, Cortez, CO.
- “Introduction to Stable Isotope Analysis and Radiocarbon Dating.” June 3rd, Evening program given to Crow Canyon Archaeological Center College Field School, Cortez, CO.
- 2018 “Graduate Student Q&A.” October 24th, Research Design and Geographic Applications (GEOG 5800), UNT course taught by Dr. Steve Wolverton, Denton, TX.

“Ancestral Puebloan Fishing in the Pueblo IV Middle Rio Grande.” June 21st, Brownbag lecture given to Crow Canyon Archaeological Center, Cortez, CO.

“Introduction to Zooarchaeology.” June 6th, Lab session given to Crow Canyon Archaeological Center College Field School, Cortez, CO.

“Introduction to Stable Isotope Analysis and Radiocarbon Dating.” June 4th, Evening program given to Crow Canyon Archaeological Center College Field School, Cortez, CO.

“Graduate School Q&A Panel for UNM Undergraduate Anthropology Society.” April 26th, UNM, Albuquerque, NM.

“CV & Resume Workshop for UNM Undergraduate Anthropology Society.” April 24th, UNM, Albuquerque, NM.

“Instruments of Captivity: Exploring the Relationship between Raptor Management and Whistle/Flute Production in Pueblo IV New Mexico.” April 23rd, Brownbag lecture given at the UNM Center for Stable Isotopes Seminar, Albuquerque, NM.

2017 “A Preliminary Assessment of Energy Flow in the Protohistoric Middle Rio Grande.” November 27th, Brownbag lecture given at the UNM Center for Stable Isotopes Seminar, Albuquerque, NM.

“Introduction to Zooarchaeology.” June 8th, Lab session given to Crow Canyon Archaeological Center College Field School, Cortez, CO.

2016 “Graduate Student Skype Q&A.” October 5th, Research Design and Geographic Applications (GEOG 5800), UNT course taught by Dr. Steve Wolverton, Denton, TX.

“Avoiding Fish Aversion.” September 28th, Zooarchaeology (ANTH 373/573), UNM course taught by Dr. Emily Jones, Albuquerque, NM.

“Zooarchaeological Data Suggest Broader Early Historic Distribution for Blue Sucker (*Cycleptus elongatus*) in New Mexico” June 30th, Four Corners Lecture Series, Cortez, CO.

“Introduction to Zooarchaeology.” June 16th, Lecture given to Crow Canyon Archaeological Center College Field School, Cortez, CO.

“Take a Walk on the Applied Side: Three Zooarchaeological Case Studies from the American West.” April 18th, World Archaeology (ANTH 220), UNM course taught by Dr. Lisa Fontes, Albuquerque, NM.

“Avoiding Fish Aversion.” October 12th, Zooarchaeology (ANTH 373/573), UNM course taught by Dr. Emily Lena Jones, Albuquerque, NM.

MUSEUM EXHIBITS

2021 *Rio Grande Fish: Archaeology Superheroes*, Online exhibit, Maxwell Museum of Anthropology, produced by Anderson, M. with **J. Dombrosky** (Exhibit Curator) and D. Romanek (Curator of Exhibits). Available [here](#).

WORKSHOP INSTRUCTOR

2023 *A Beginner’s Workshop for R Programming in the tidyverse*, June 17th, 8-hour intensive introduction to basic computer functions, data practices, manipulation, and visualization, in the *tidyverse* for Crow Canyon College Field School Students (supported by an NSF REU), Cortez, CO.

- 2022 *A Beginner's Workshop for R Programming in the tidyverse*, November 12th, 8-hour intensive introduction to data manipulation, visualization, and modeling in the *tidyverse* for University of North Texas faculty and students, Denton, TX.
R for Archaeological Data Science, February 2nd–June 28th provided tutorials for common data science needs in archaeology for Crow Canyon Archaeological Center, Cortez, CO.

SPECIALIZED TRAINING

- 2019 Attendee, Bayesian Chronological Modeling Workshop taught by Derek Hamilton and Anthony Krus, April 9–10, Albuquerque, NM.
- 2018 Certificate, Society for American Archaeology, 3D Morphometrics for Archaeologists, Online Seminar.
- 2017 Certificate, 3D Geometric Morphometrics, Transmitting Science, Els Hostalets de Pierola, Barcelona, Spain.

FIELD EXPERIENCE

- 2021 *Field Technician, Algonquin Consultants, Inc.*
 Two eight-day (10 hrs/day) pedestrian survey sessions in the Plains-Mesa Grassland of eastern New Mexico. Sessions occurred near Santa Rosa (May 18–25; approx. 670 acres) and Conchas Lake (June 1–8; approx. 770 acres). Sites recorded included Archaic lithic scatters, Ancestral Pueblo camps, and historic ranching homesteads/field houses.
- 2016–2019 *Seasonal Field Archaeologist, Crow Canyon Archaeological Center, Cortez, CO.*
 Assisted with supervising Crow Canyon's college field school through two different projects. Excavations were conducted in 2016 through the Basketmaker Communities Project at the Hatch group (see below) and at Mueller Little House (5MT10631), which is a site that mainly consists of a medium-sized pithouse occupied around the mid to late AD 600s. We helped initiate the Northern Chaco Outliers Project through remote sensing and mapping of the Haynie Site (5MT1905) with the college field school, and taught field school students pedestrian survey techniques in Alkali Canyon. Further, I intermittently taught lay participants basic excavation techniques. Excavations were carried out through the Northern Chaco Outliers Project from 2017 to 2019. I helped teach college students basic excavation and pedestrian survey techniques at the Haynie Site (5MT1905).
- 2015 *Field Intern, Crow Canyon Archaeological Center. Cortez, CO.*
 Assisted with the Basketmaker Communities Project through excavation of the Hatch group, which consists of 5MT10687 (Sagebrush House), 5MT10686 (the Badger Den site), 5MT2037 (the Pasquin site), 5MT10684 (the Dry Ridge site), 5MT3875 (the Shepherd site), and Site 5MT10709 (no name assigned). These are multicomponent sites that date from the Basketmaker III (AD 500–750) and Pueblo II (AD 900–1150) periods. Further, I supervised lay participants in basic excavation techniques who ranged from middle school-aged students to adults.
- 2011 *Student, San Juan College Archaeological Field School. Farmington, NM.*
 Excavation of the Point Site (LA 8619), a Chacoan outlier occupied from the Basketmaker III through Pueblo III time periods (AD 500–1280), through the Totah Archaeological Project (TAP). Learned basic field techniques through excavation of room blocks, middens, and a Great Kiva.

LAB EXPERIENCE

- Present *Faunal Analyst, Haynie Site, 5MT1905*
Analysis of an archaeofaunal assemblage from the central Mesa Verde region of southwest Colorado. Occupied from ca. AD 750 to 1150. The assemblage includes complete identification of well-preserved mammalian, avian, and fish remains. Current Number of Specimens (NSP) estimation is 16,500.
- Present *Faunal Analyst, Hummingbird Pueblo, LA 578*
Analysis of an archaeofaunal assemblage from the Middle Rio Grande region of New Mexico. Occupied from around AD 1275 to 1450. The assemblage includes complete identification of well-preserved mammalian, avian, and fish remains.
- 2016 *Faunal Analyst, Isleta Mission Convento, LA 724*
Analysis of ichthyofaunal assemblage from the Middle Rio Grande region of New Mexico. Occupied ca. AD 1680. Identification of well-preserved fish remains for further isotopic analysis.
- 2015 *Faunal Analyst, Monsoon House, 5MT16808*
Analysis of an archaeofaunal assemblage from the central Mesa Verde region of southwestern Colorado. Occupied around AD 900 to 1280. The assemblage included complete identification of well-preserved mammalian and avian remains.
- 2014 *Faunal Analyst, Ponsipa'akeri, LA 297*
Analysis of an archaeofaunal assemblage from the northern Rio Grande region of New Mexico. Occupied from approximately AD 1300 to 1600. Assemblage includes complete identification of well-preserved mammalian, avian, and fish remains.
Laboratory Technician, UNT Environmental Chemistry Lab
Supervisors: Dr. Steve Wolverton and Dr. Barney Venables
Research Assistant, NSF Archaeometry Technical Development Grant No. 1112615, NSF Archaeometry Technical Development Grant No. 1112615, Expanding Application of Proteomics-based Research in Archaeological Residue Analysis, University of North Texas.
- 2013 *Laboratory Technician, UNT Conservation Genetics Lab*
Supervisor: Dr. Jeff Johnson
Extraction, amplification, and sequencing of DNA from Attwater's Prairie Chicken (*Tympanuchus cupido attwateri*) to help better manage endangered populations.
Research Assistant, UNT Environmental Chemistry Lab
Supervisors: Dr. Steve Wolverton and Dr. Barney Venables
NSF Archaeometry Technical Development Grant No. 1112615, Expanding Application of Proteomics-based Research in Archaeological Residue Analysis, University of North Texas.
- 2012 *Faunal Analyst, Poverty Point, 16WC5*
Analysis of archaeofaunal assemblages from many past excavations. Included complete identification of mammalian, avian, reptilian, and fish remains. Included small specimens and large specimens excavated and dredged from surrounding area.
Research Assistant, UNT Environmental Chemistry Lab
Supervisors: Dr. Steve Wolverton and Dr. Barney Venables
NSF Archaeometry Technical Development Grant No. 1112615, Expanding Application of Proteomics-based Research in Archaeological Residue Analysis, University of North Texas.

HONORS AND AWARDS

2020	Ruth E. Kennedy Award, UNM, \$500
2016	Broilo-Basehart prize, UNM, \$300
2015	Outstanding Graduate Student in Geography, UNT
2012	Society of Ethnobiology's Undergraduate Ethnobiologist Award Academic Achievement Award in Anthropology, UNT David B. Kesterson Award for Outstanding Honors College Student, UNT UNT Scholarship (2012–2013 Academic Year) President's List, University of North Texas, Fall Semester
2011	Academic Achievement Award in Anthropology, UNT Brownlee-Moore Scholarship (2011–2012 Academic Year) National Honors Society of Phi Kappa Phi President's List, University of North Texas, Spring and Fall Semesters
2010	President's List, University of North Texas, Fall Semester

SERVICE

Positions Held

Spring 2024–Present	<i>Committee Member</i> , Society for American Archaeology (SAA), Wase Memorial Scholarship
Spring 2022–Present	<i>Co-chair</i> , Society for American Archaeology (SAA) Zooarchaeology Interest Group (ZIG)
Spring 2016–Summer 2020	<i>Editorial Assistant</i> , Journal of Anthropological Research (ISSN 0091-7710)
Spring 2018–Summer 2020	<i>Editorial Board</i> , Ethnobiology Letters (ISSN 2159-8126)
Fall 2015–Fall 2017	<i>Production Editor</i> , Ethnobiology Letters (ISSN 2159-8126)
Fall 2011–Fall 2015	<i>Editorial Assistant</i> , Ethnobiology Letters (ISSN 2159-8126)

Peer Reviews

26 verified reviews of 22 manuscripts at [Web of Science](#)

Journal	Year of Last Review	No. of Reviews	ISSN
<i>California Archaeology</i>	2024	1	1947-4628
<i>Journal of Archaeological Science</i>	2024	1	1095-9238
<i>Scientific Reports</i>	2023	2	2045-2322
<i>Journal of Anatomy</i>	2023	1	1469-7580
<i>Human Ecology</i>	2023	1	1572-9915
<i>KIVA: Journal of Southwestern Anthropology and History</i>	2023	2	0023-1940
<i>Journal of Archaeological Method and Theory</i>	2022	2	1573-7764
<i>Plains Anthropologist</i>	2021	1	0032-0447
<i>American Antiquity</i>	2020	2	0002-7316
<i>Journal of Human Evolution</i>	2020	2	0047-2484
<i>Journal of Ethnobiology</i>	2019	5	2162-4496
<i>Western Wildlife</i>	2018	1	2475-4250
<i>Animals</i>	2014	1	2076-2615

Grant Proposal Reviews

- 2024 National Science Foundation (NSF), Individual Review, Archaeology and Archaeometry Unit, Division of Behavioral and Cognitive Sciences (SBE/BCS)
- 2023 National Science Foundation (NSF), Individual Review, Archaeology and Archaeometry Unit, Division of Behavioral and Cognitive Sciences (SBE/BCS)

Public Outreach

- 2021 Panelist, *Ask an Archaeologist*, [Crow Canyon Webinar](#), September 30th.
- 2020 UNM Zooarchaeology Lab Representative, January 27th, *UNM Day at the Legislature*, Santa Fe, NM.
- 2019 **Dombrosky, J.** Bones of the Bosque. July 24th, Rio Grande Nature Center's Summer Program *Nature Discovery for Kids*, Albuquerque, NM.
- Dombrosky, J.** Demystifying Stable Isotope Analysis in Archaeological Research. April 9th, The Friends of Tijeras Monthly Lecture Series, Tijeras, NM.
- 2018 **Dombrosky, J.** "What the Remains of Birds of Prey and Fishes Can Tell Us about Changing Human-Animal Relationships in the Prehispanic Pueblo World." October 20th, Chaco Culture National Historical Park's International Archaeology Day, Nageezi, NM.
- Jones, E. L., C. Ainsworth, **J. Dombrosky**. Albuquerque Archaeological Society Faunal Seminar. September 15th, Albuquerque, NM.
- Dombrosky, J.** "De-Mystifying Stable Isotope Analysis." February 22nd, 2018 Docent Academy at the Coronado Historic Site, Bernalillo, NM.
- 2012 **Dombrosky, J.** and A. Hoffman. "Applying Paleozoology" May 17th, Texas Master Naturalists, Denton, TX.

Other Professional Experience

- 2016 *Volunteer*, American Quaternary Association 24th Biennial Meeting
- 2014 *Organizing Committee*, Geography, Anthropology, Biology Research Activities Forum (GABRAF)
- Volunteer*, Field Hand, UNT Quail, Denton, TX
- 2013 *Volunteer*, Society of Ethnobiology Conference, Denton, TX
- 2012 *Volunteer*, Faunal Analyst, Crow Canyon Archaeological Center, Cortez, CO
- Grader/Tutor*, Archaeological Science (ARCH 2800), University of North Texas
- Tutor*, Quantitative Methods (GEOG 3190), University of North Texas
- 2011 *Volunteer*, Plano Archaeology Fair Sponsored by Geo-Marine Inc., Plano, TX

PROFESSIONAL MEMBERSHIPS

Society for American Archaeology

Fish Remains Working Group of the International Council of Archaeozoology

Register of Professional Archaeologists

REFERENCES

Emily Lena Jones, Professor, Department of Anthropology, University of New Mexico, elj@unm.edu

Steve Wolverton, Professor/Department Chair, Department of Geography and the Environment, University of North Texas, steven.wolverton@unt.edu

Torben C. Rick, Curator of Human Environmental Interactions and North American Archaeology, National Museum of Natural History, Smithsonian Institution, rickt@si.edu