**Thomas A. De Pree** Curriculum Vitae

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University of New Mexico Health Sciences Center tadepree@salud.unm.edu

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**Education**

Ph.D. Rensselaer Polytechnic Institute,Troy, NY

 Science and Technology Studies, August 2019

M.S. Rensselaer Polytechnic Institute, Troy, NY

 Science and Technology Studies, May 2019

M.A. Teachers College, Columbia University,New York, NY

 Anthropology and Education, May 2015

B.A. University of New Mexico,Albuquerque, NM

 Anthropology and Psychology, December 2010

**Academic Research Positions**

Sep. 2020- University of New Mexico Health Sciences Center, Albuquerque, NM

present Metal Exposure and Toxicity Assessment on Tribal Lands in the Southwest (METALS) Superfund Research Program (SRP) Center (NIEHS P42ES025589).

ASERT-IRACDA Postdoctoral Fellow. PI: Johnnye Lewis

Jan. 2020- Bucknell University, Lewisburg, PA

Aug. 2020 Developing Human Social Networks to Identify and Develop Data-Driven Metrics and Methods for Expanding Learning Opportunities Across the Lifetime (NSF DUE-1745922). Postdoctoral Fellow/Faculty Associate. PI: Alan Cheville

Aug. 2017- Rensselaer Polytechnic Institute, Troy, NY

Aug. 2019 Dissertation: The Life of the By-Product in the ‘Grants Uranium District’ of Northwestern New Mexico (2017-2019 HASS Fellow)

May 2018- Rensselaer Polytechnic Institute, Troy, NY

Aug. 2018 Collaborative Research: Reform and Governance in Engineering Education

(NSF SES-1656125). Graduate Research Assistant. PIs: Atsushi Akera, Alan Cheville, Donna Riley, Jennifer Karlin

May 2017- Rensselaer Polytechnic Institute,Troy, NY

Aug. 2017 Environmental Health Governance in Six Cities: How Scientific Cultures, Practices and Infrastructures Shape Governance Styles (NSF, SES-153588)

 Graduate Research Assistant. PI: Kim Fortun; Co-PI: Michael Fortun

Jan. 2015- Teachers College, Columbia University,New York, NY

May 2015 Environmental Education and Sustainable Development Working Group

 Research Assistant. PI: Oren Pizmony-Levy

**Academic Teaching Positions**

Jan. 2021- Southwestern Indian Polytechnic Institute (SIPI), Albuquerque, NM.

present Department of Advanced Technical Education, Environmental Science Program

Lecturer

Sep. 2020- New Mexico Institute of Mining and Technology, Socorro, NM

Dec. 2020 Department of Communications, Liberal Arts, and Social Sciences (CLASS) Lecturer

Aug. 2016 - Rensselaer Polytechnic Institute, Troy, NY

May 2017 Department of Science and Technology Studies (STS)

Graduate Teaching Fellow

Sep. 2014- Teachers College, Columbia University,New York, NY Dec. 2014 Anthropology and Education Program

Graduate Teaching Fellow

**Relevant Occupational Experience**

Jan. 2014 NYC H2O, New York City, NY

Aug. 2016 Urban Environmental Educator

Apr. 2014- Big Onion Walking Tours, New York City, NY

Aug. 2016 Historical Tour Guide

Jan. 2013- HDR,Albuquerque, NM

Sep. 2013 Cultural Resource Management, Archaeological Field Technician

May 2008- E2M, Mission, TX

Aug. 2008 Cultural Resource Management, Archaeological Data Recovery Technician

**Foreign Language Skills**

Spanish (*Español*): four semesters of undergraduate education

Navajo (*Diné*): one semester of continuing education

**Peer-Reviewed Publications**

In review Lewis, Johnnye, **De Pree**, Thomas. “Community Health, Social, and Ecological

Impacts of Mine-Waste Exposures.” Special Issue in *the International Journal for Environmental Research and Public Health*

In review De Pree, Thomas A. *From Legacies of Extraction to Environmental Health*

*Governance: Collaborative Research and Responses to the Impacts of Mining among Indigenous Communities.* Edited book volume, Vernon Press.

In review De Pree, Thomas A. and Ryan Hearty. “Engineering Studies.” *Encyclopedia of*

*Science and Technology Studies.*

In review De Pree, Thomas A. “Making the ‘Grants Uranium District’ in Northwestern

New Mexico: Geologic Time and Indigenous Spaces and Places.” *Science, Technology, & Human Values.*

In reviewDe Pree, Thomas A. “The Political Afterlife of the Mt. Taylor “Zombie Mine” in

 Northwestern New Mexico.” *American Ethnologist.*

2021 De Pree, Thomas A., Sarah Appelhans, Alan Cheville, Atsushi Akera, Melissa

Shuey. “Situating Engineering Education in a World Impacted by COVID-

19.” American Society for Engineering Education:

<https://peer.asee.org/situating-engineering-education-in-a-world-impactedby-covid-19>

2020 De Pree, Thomas A. “The Politics of Baselining in the Grants Uranium Mining

District of Northwestern New Mexico.” *Journal of Environmental*

*Management:* <https://pubmed.ncbi.nlm.nih.gov/32510424/>

2019 Appelhans, S., & **De Pree**, T., & Thompson, J., & Aviles, J. A., & Cheville, A., &

Riley, D. M., & Karlin, J., & Fatehiboroujeni, S., & Akera, A.

“From ‘Leaky Pipelines’ to ‘Diversity of Thought’: What Does

‘Diversity’ Mean in Engineering Education?” American Society for

Engineering Education: <https://peer.asee.org/32861>

2018 Akera, A., & Riley, D. M., & Cheville, A., & Karlin, J., & **De Pree**, T. A. (2018,

June), The Distributed System of Governance in Engineering Education:

A Report on Initial Findings. American Society for Engineering

Education: <https://peer.asee.org/31086>

**Book Reviews**

2021 Middleton Manning, Beth Rose. 2018. *Upstream: Trust Lands and Power on the Feather River*. Tucson: University of Arizona Press. 244 pp. ISBN 978-0-8165-3514-9. *Environment and Society: Advances in Research 12*, 246-263. doi:10.3167/ares.2021.120114

**White Papers**

2021 “Toxicity Review of Metals Emissions from Coal-Fired Power Plants.” Prepared

For: Center for Applied Environmental Law and Policy (CAELP). Prepared by

Raina M. Maier, Johnnye Lewis, Priyanka Kushwaha, Thomas A. **De Pree**, Debra A. MacKenzie

2020 “For Academic Departments & Instructors: Advice on Effective Transition to

Online and Hybrid Instruction.” Atsushi Akera, Thomas **De Pree**, and Melissa

Shuey

**Scholarships and Fellowships**

2020-present National Institute of Health (NIH) Postdoctoral Fellowship, Institutional Research

and Academic Career Development Award (IRACDA) (NIGMS K12 GM088021)

2020-present National Institute of Environmental Health Sciences (NIEHS) Trainee, Superfund

Research Program (SRP) (P42ES025589)

2019-2020 National Science Foundation (NSF) Postdoctoral Fellow (DUE-1745922; PI: Alan

Cheville)

2017-2019 Humanities, Arts, & Social Sciences Fellowship, Rensselaer Polytechnic Institute

2013-2015 Teachers College Scholarship, Columbia University

2006-2010 New Mexico Legislative Scholarship, University of New Mexico

**Conference Paper Presentations**

2022 “Remembering, Restoring, and Re-story-ing in the Remedial Project Management of Ecological “Sacrifice Zones” near Red Water Pond Road Community, Navajo Nation.” Beyond Environmental Injustice: Building a Global Record. Society for the Social Studies of Science. Cholula, Mexico.

2022 “Origin Stories of the “Grants Uranium District” of Northwestern New Mexico: A Critique of the Application of Geologic Time on Indigenous Land.” Geomorphologies for Living with a Changing Planet, 1: Perspectives and Interrogations. Annual Meeting of the American Anthropological Association. Seattle, WA.

2021 “Centering Community in Environmental Health Governance: Settler Colonial Determinants of Health & Indigenous Environmental Justice.” From Legacies of Extraction to Environmental Health Governance: Collaborative Research and Responses to the Impacts of Mining in Indigenous Communities. Annual Meeting of the American Anthropological Association (Online).

2021 “From Failed Wetlands to Biodiscovery and Bioremediation: the Technopolitics of Fungi Restoration at the Jackpile Uranium Mine.” Soil Sensing: Methods, politics and experience - II: Sensing toxicity and remediation. Society for the Social Studies of Science (Online).

2019 “Making and Unmaking the ‘Grants Uranium District’ of Northwestern New Mexico.” Settler Colonialism and Scalable Scholarship: Studying Up on the Technopolitics of Indigenous Displacement and Dispossession (Session I and II). Society for the Social Studies of Science. New Orleans, LA

2019 “The Technopolitics of Cleaning Up the ‘Grants Uranium District’ of Northwestern New

Mexico.” Society for Applied Anthropology. Portland, OR

2018 “The (Un)Making of the ‘Grants Uranium District’: The Technopolitical Life of the Byproduct in Northwestern New Mexico.” STS Underground: Responsible and Sustainable Mining. Annual Conference of the Society for Social Studies of Science: TRANSnational STS. Sydney, AU

2018 “Making Mountains: Cosmologies and Orogeny in Northwestern New Mexico.” Environmental Justice and Settler Colonial Critique in the Indigenous Southwest.” The 10th Annual Meeting of the Native American and Indigenous Studies Association. Los Angeles, CA

2018 “Structures of Feeling and Toxic Infrastructure: Politics of Difference and Undone Science in an Urban Neighborhood.”Breathing Late Industrialism. Displacements: Biennial Meeting of the Society for Cultural Anthropology (Online)

2018 “Pedagogical Possibilities for Studying the Governance of Ecological ‘Sacrifice Zones.’”Towards Pedagogical Possibilities for Late Industrialism (Higher Ed TIG). The 78th Annual Meeting for the Society of Applied Anthropology. Philadelphia, PA

2017 “Making Uranium (In)Visible: The Technopolitics of Biomonitoring in the ‘Grants Uranium District.’”Managing Disaster. Society for Social Studies of Science: STS (In)Sensibilities. Boston, MA

2015 “Making Uranium (In)Visible: ‘Environmental Racism’ and Alternative Contamination Limits in the Grants Uranium District.” Rights, Justice, and Human Environmental Crises in the 21st Century Environmental Management. The 114th Annual Meeting of the American Anthropological Association. Denver, CO

2014 “The Wise Use of Water and the Cosmopolitics of Uranium Mining in New Mexico.” Panel I: Producing Inconvenient Knowledge and Attending to the Unimportant. The 113th Annual Meeting of the American Anthropological Association. Washington, D.C.

**Roundtable Participant**

2022 Origin Stories and Future Imaginaries: Political Afterlives of Radioactive Waste. Annual Meeting of the Society for Applied Anthropology (Online)

2022 Cultivating STEM Research Capacities and Student Pathways through Partnerships with

Tribal Colleges and Universities. National Institutional Research and Academic Career

Development Awards (IRACDA) (NIH-NIGMS K12) Conference: Cultivating

Collaborative Communities

2021 From Legacies of Extraction to Environmental Health Governance: Collaborative

Research and Responses to the Impacts of Mining in Indigenous Communities. Annual

Meeting of the American Anthropological Association (Online)

2021 Calculating Futures: The Afterlives of Environmental and Health Monitoring (Risk & Disaster TIG). Annual Meeting of the Society for Applied Anthropology (Online)

2017 New Diné Ecologies: Unsettling Extraction and Exposure on the Navajo Nation. The 77th

Annual Meeting of the Society for Applied Anthropology. Santa Fe, NM

**Session Organizer**

2022 Origin Stories and Future Imaginaries: Political Afterlives of Radioactive Waste. Annual Meeting of the Society for Applied Anthropology (Online)

2022 Interdisciplinary Scientific Development I: Community-Engaged Research on Environmental Health Disparities and Injustices. National Institutional Research and Academic Career Development Awards (IRACDA) (NIH-NIGMS K12) Conference: Cultivating Collaborative Communities

2022 Cultivating STEM Research Capacities and Student Pathways through Partnerships with

Tribal Colleges and Universities. National Institutional Research and Academic Career

Development Awards (IRACDA) (NIH-NIGMS K12) Conference: Cultivating

Collaborative Communities

2021 From Legacies of Extraction to Environmental Health Governance: Collaborative

Research and Responses to the Impacts of Mining in Indigenous Communities. Annual

Meeting of the American Anthropological Association (Online)

2021 Next Generation Radiation Governance Symposium, University of California, Los

Angeles and University of California, Irvine: <https://disaster-sts-network.org/content/next-generation-radiation-governance/essay> (Online)

2018 Unsettling STS: Scaling Up Critical Indigenous Analytics (Sessions I & II). Annual Conference of the Society for Social Studies of Science: TRANSnational STS. Sydney, AU

**Poster Session**

2022 “The Politics of Baselining in Grants Uranium Mining District of Northwestern New

Mexico.” Annual Conference for the National Institute of Environmental Health Sciences

(NIEHS) Superfund Research Program (SRP). Raleigh, NC.

2021 “Inclusive Research and Teaching for a Diverse Nation,” Annual Conference for

Institutional Research and Academic Career Development Award (IRACDA) (Online)

2020 “The Politics of Baselining in Grants Uranium Mining District of Northwestern New Mexico.” Annual Conference for the National Institute of Environmental Health Sciences (NIEHS) Superfund Research Program (SRP) (Online)

**Invited Lectures**

2022 Fall Colloquium Series, Department of Anthropology, Sociocultural/Linguistic Anthropology Program, University of New Mexico

2022 “Sustainable Engineering,” Department of Civil, Construction, and Environmental Engineering, University of New Mexico

2022 Spring Colloquium Series, Department of Geography and Environmental Studies, University of New Mexico

2021 “Anthropology and Climate Change,” Department of Anthropology, Columbia University and Department of Anthropology, University of Colorado, Boulder

2021 “Environmental Justice,” Department of Anthropology, Appalachian State University

2021 “Environmental Justice,” Sustainability Studies Program and Department of Geography and Environmental Studies, University of New Mexico

2021 “Atomic America,” Department of History, University of New Mexico

2020 “Nuclear New Mexico,” Sustainability Studies Program, University of New Mexico

2019 “Anthropology of Environmental Justice,” Department of Anthropology, Appalachian

State University

2019 “Atomic America,” Department of History, University of New Mexico

**Webinars, Workshops, and Symposia**

2022 “Contemporary Issues in New Mexico’s Waterways: A Workshop on Hydrology, Geochemistry, and Water Governance. Southwestern Indian Polytechnic Institute (SIPI)

2022 “Environmental Health Governance” Workshop for UNM METALS Monthly Meeting (Online)

2021 “Living in a Crisis Moment,” International Network for Engineering Studies (INES) Workshop (Online)

2021 “Author Meets Critic” Book Review of *Extracting Accountability: Engineers and Corporate Social Responsibility* (Jessica Smith 2021, MIT Press)*.* International Network for Engineering Studies (Online)

2021 “Teaching and Governing Radiated Places, Past and Future,” Next Generation Radiation Governance Symposium, University of California, Los Angeles and University of California, Irvine: <https://disaster-sts-network.org/content/next-generation-radiation-governance/essay> (Online)

2021 “Cross-Cultural and Inclusive Education and Research,” ASERT/IRACDA Workshop (Online)

2018 “Making Sense of the Underground,” Pre-Conference Workshop. University of Wollongong, NSW, AU

2017 “Critical Indigenous STS Workshop,” Weatherhead Center for International Affairs,

Harvard University, Cambridge, MA

**Teaching**

**Undergraduate Courses**

* Atomic America
* Contemporary Issues in Environmental Science
* Environmental Justice
* Environmental Regulations
* Environment and Politics
* Indigenous Environmental Justice
* Sustainability Education
* Tribal Environmental Management and Planning

**Graduate Courses**

* Race, Class, and Schooling: Ethnographic Approaches

**Student Mentorship**

* Baldeep Kaur Grewal, degree in progress in English Literary and Cultural Studies at the University of Potsdam
* Cameron Zarrabzadeh, degree in progress in Sociocultural and Linguistic Anthropology at University of New Mexico
* Leona Morgan, degree in progress at the Indigenous Design and Planning Institute (ID+PI) at University New Mexico
* Melissa Shuey, degree in progress, Science and Technology Studies (STS), Rensselaer Polytechnic Institute (RPI)

**Teaching Workshops & Trainings**

2021 BIOM540: “University Teacher Training,” University of New Mexico

2021 “Designing Student-Centered Courses,” American Indian Higher Education Consortium

(AIHEC) & Association of College and University Educators (ACUE)

**Service**

**Recent Activities**

* **Oct. 5, 2021**: “On the Possibilities of Moving Uranium Mine Waste Off of Navajo Nation (Diné Bikéyah): Site Suitability Analysis for the Relocation and Long-Term Management of Toxic Waste from Abandoned Uranium Mines and Mills,” Presentation for Navajo Nation Environmental Protection Agency (NNEPA)
* **May 18, 2021**: Health, Education and Human Services Committee 24th Navajo Nation Council Work Session with University of New Mexico Community Environmental Health Program
* **Nov. 9, 2020**: Interviewed by Lizz Melville, a Ph.D. student at Teachers College Columbia University, for the Anthropology and Education and Applied Anthropology programs’ blog page: “Thomas De Pree (MA ’15) on his PhD Research on the Politics of Contaminant Baselining in the American Southwest”: <https://anthropologytc.wordpress.com/2020/11/09/thomas-de-pree-ma-15-on-his-phd-research-on-the-politics-of-contaminant-baselining-in-the-american-southwest/>

**Manuscript Reviewer for Journals**

*Engaging Science, Technology, and Society; Journal of Sustainability; International Journal of Environmental Research and Public Health; Journal of Social Sciences; Environmental Health Perspectives; American Ethnologist*

**Associations, Memberships, and Research Affiliations**

2019-present International Network for Engineering Studies (INES)

2018-present American Society for Engineering Education (ASEE)

2016-present Disaster-STS Research Network, Platform for Experimental Collaborative Ethnography (PECE)

2017-present Native American & Indigenous Studies Association (NAISA)

2016-present Society for the Social Studies of Science (4S)

2016-present Society for Applied Anthropology (SfAA)

2013-present American Anthropological Association (AAA). Subsections:Anthropology and

the Environment (A&E); Association for Political and Legal Anthropology (APLA); Council on Anthropology and Education (CAE)

2013-2015 The Society for Anthropological Studies (SAS). Teachers College, Columbia

University