

Evan R Kay

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EDUCATION

University of New Mexico

Graduation: Degree

May 2013 - Bachelor of Arts, Anthropology (concentration: Archaeology) Linguistics Minor

Post-graduate: Non-degree

Spring 2017 - Introduction to GIS

Fall 2017 - Advanced Spatial Analysis

Introduction to Python Programming for ArcGIS

Fall 2018 - Remote Sensing

Fall 2019 – Intro to Spatial Data Management

EMPLOYMENT

UNM Office of Contract Archeology

On-call Archeological Field Technician, August 2013-January 2015;

On-call Archeological Crew Chief/Lab Coordinator, January 2015-April 2021;

Field Director and Lab Manager, April 2021-Present

My work experience at OCA includes field excavation and survey, employee and volunteer supervision, lab procedures such as sorting and flotation, restoration, curation, and data management of hard copies and in MS Access and Excel. Analyst duties included analysis of lithic artifacts (flaked and ground stone), and ornamental artifacts (lithic, bone, shell, ceramic), and reporting of analysis results.

Lab Coordinator duties and responsibilities

- Maintaining accuracy and quality control for artifact collections and field samples from initial check-in to final curation in museum repositories.
- Supervising data entry and database maintenance using MS Access and MS Excel. Projects have included over 2000 sheets of manual data entry for Valles Caldera National Preserve, and over 400 points of GIS data collection for White Sands Missile Range.
- Preparing collections and samples for outside researchers such as C14 dating analysis (100+ samples), and obsidian XRF analysis (100+ samples);
- Training volunteers and employees on lab procedures and directives, both generally and for specific project requirements.
- Managing schedules of up to 10 student employees and volunteers for work on multiple simultaneous field and analysis projects, under the direction of the Lab Director.

- Inventory, maintenance and repair of field equipment. Kitting field expeditions with appropriate equipment.
- Keeping and maintaining the vehicle maintenance schedule for a fleet of seven vehicles, including ensuring vehicles were in good operating condition and coordinating necessary repairs.
- Processing soil samples through flotation and wet-screening.
- Photography (field and lab samples) and photo editing for report production.
- Prepare and present for Maxwell Museum's Summer Children's archaeology day
 - Explain archaeological investigation process
 - Creation of hands-on mock excavation exhibit
 - Guided demonstration of laboratory artifact analysis

Field Technician duties and responsibilities

- Participate in field survey projects between 100 and 640+ acres, over very rough terrain in central, northern, and southern New Mexico.
- Complete site forms and upload data to NMCRIS.
- Field excavations of P-IV sites in Central NM. Work includes records management and mapping features and grid units.
- GIS site and feature mapping and data management, including transferring data to and from Trimble and Garmin GPS devices.

Analyst and researcher duties and responsibilities

- Artifact analysis of flaked lithics, ground stone, and ornamental materials (shell, bone, lithic, and ceramic).
- Contributing to professional reports, including artifact analysis chapters.

Selected Projects include:

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| 2020 | NPS Valles Caldera El Cajete Canyon Survey: pedestrian survey of over 300 acres of El Cajete Canyon using Trimble 7x to record site boundaries, hearth features, dendroglyphs and artifacts at known and new archaeological sites. |
| 2020 | NPS Petroglyph National Monument: participated in the excavation of 30 shovel tests along proposed pedestrian walkway, recording levels and profiles. |
| 2020 | State Land Office Mystery Stone Parcel: pedestrian survey of 640 acres of state-owned land; recording of petroglyphs and artifacts at known and new archaeological sites. |
| 2019 | NPS Bandelier Monument Tsankawi Cavates Documentation, crew chief: site condition assessments, supervised and trained one student in site documentation and recording of cavate features; project involved GIS site |

mapping using Trimble 7x and Trimble GeoXT, feature drawing and recording, and extensive assessments using NPS paperwork and protocols; lab duties included data entry, digitization of field drawings, and coordination of forms; mapping data from MS Excel to fields in Adobe Acrobat Pro for mass document production.

- 2018 City of Albuquerque Singing Arrow Park: monitoring of brush clearing by heavy machinery and city personnel; shovel test excavations and recording of test pits and trench profiles; supervision of three to six student employees during excavation and recording of field data.
- 2017 NPS Kozlowski Trading Post: shovel testing at site of future leach field for trading post structure; excavation, recording and mapping of test units and trench profiles; supervision of rotating crew of two to three student employees during excavation, recording, and digitizing of field data.
- 2016-2020 NPS Valles Caldera, various projects: pedestrian survey, including feature drawing, GPS data collection with Trimble 7X, site recording and digital photography; data transfer of over 200 GPS points from Terrasync to ArcMap 10.6, with GIS mapping and presentation; management of over 1000 hard copies of field data, including supervision of student employees entering data in MS Excel.
- 2016 NMARNG Las Cruces APEs: protective measures including chain-link fence construction and placement of Seibert stakes to provide visual boundary for three archaeological sites.
- 2016 Wilderness Trust Alliance Canon Largo: pedestrian survey and photography for private non-profit, culminating in the opening of the Sabinoso Wilderness.
- 2016 NM Department of Game and Fish Huey Wildlife: pedestrian survey of 956 acres using Garmin GPSMap 64 for transect mapping.
- 2016 NM Department of Game and Fish Mosquero Survey: pedestrian survey of over 500 acres of Trigg Ranch land; GPS mapping of artifacts, features and site boundaries using Trimble 7x and Garmin GPSMap 64.
- 2015-2020 White Sands Missile Range, various projects: lithic and ground stone artifact analysis; editing and contributions to professional reports and papers for publication; artifact collection maintenance; curation of over 1000 artifacts spanning 6 projects for curation at Ft. Bliss.
- 2015 NM Department of Game and Fish North Bluit Survey: pedestrian survey of over 300 acres using Garmin GPSMap 64.

- 2014 Urraca survey: projectile point analysis.
- 2013-2020: NM Department of Game and Fish Lake Roberts: artifact inventory, processing, and management of over 6000 artifacts recovered from state land parcels; supervised team of up to 10 student employees and volunteers during flotation and sorting; curation of artifacts at the end of the project for storage at the New Mexico Office of Archaeological Studies.
- 2013-2016 Mid-America Pipeline Western Expansion III: excavation and data recovery; artifact inventory and management of over 6000 artifacts recovered from public, private and tribal-held land parcels; curation of artifacts at the end of the project for storage at the Maxwell Museum of Anthropology and the New Mexico Office of Archaeological Studies, as well as returning artifacts to private and tribal land-holders.

September 2014-October 2014

Archaeology Field Technician, Southwest Archaeological Consultants, Santa Fe

On-call, 25-40 hours per week

Duties include excavation and recording of artifacts in situ and from screening; sketch mapping and preparation of field samples for laboratory processing.

Project consisted of excavations at LA 2, in the village of Agua Fria.

SKILLS:

Lab Management

Collections Management
Employee supervision
Artifact and field photography
Database maintenance

GIS

GPS Data collection using Trimble (GeoXT and 7x), Garmin
GIS Map creation/data interpretation
Field sketch and map digitizing

Photography

Field artifacts, features and sites using
Canon D40X, Samsung Tab 5, Google Pixel

High-quality digital photos of artifacts in the lab using Canon D60, Canon D80, Canon D600

Field

Pedestrian survey
Field data recording and management

Report Preparation

Research and writing
Document formatting and editing
Exhibit interpretation/presentation

Public Outreach

Public relations/Social Media
Customer Service

SOFTWARE EXPERIENCE:

MS Excel (Intermediate)
MS Access (Intermediate)
MS Word (Advanced)
MS Outlook (Intermediate)
MS Powerpoint (Intermediate)
ArcMap 10.7 (Intermediate)
Terrasync (Novice)
Adobe Photoshop (Intermediate)
Adobe Acrobat Pro (Intermediate)
Python 2.7 (Novice)
ODK Collect (Novice)

MEETING PRESENTATIONS

- April 7, 2019 Ornaments and Paraphernalia of the Southern Tularosa Basin, New Mexico – Society for American Anthropology Annual Meeting
- November 15, 2017 Automating Initial Archaeological Site Boundaries and Setting Up Parameters for Geostatistical Analyses – GIS Day Presentation/Poster
- April 19, 2013 The Possible Effect of Native American Silence Patterns on Law Enforcement Interviews – UNM Anthropology Graduate Student Union Conference
- April 17, 2013 The Possible Effect of Native American Silence Patterns on Law Enforcement Interviews – New Mexico Shared Knowledge Conference

RESEARCH AND WRITING

Papers

- 2016 *The Jarilla Site LA 37470 A Prehistoric Outpost for Agriculture and its Possible Role in Regional Trade.* Co-author with Alexander Kurota
- 2015 *Archaic and Late Mesilla Phase Occupations on the West Side of the Jarilla Mountains, Otero County, New Mexico.* Co-author with Alexander Kurota

Technical Reports

- 2020 *Survey of Lake Lucero Site (LA 21162) and Huntington Pueblo (LA 14820), Doña Ana County, New Mexico.* Alexander Kurota and Robert Dello-Russo, Ph.D. OCA Report 185-1245.
Chapter 9. Analysis of Flaked Lithic Artifacts at the Lake Lucero Pueblo and Huntington Pueblo Sites.
Chapter 10. Ornaments and Related Paraphernalia from the Lake Lucero Pueblo and Huntington Pueblo Sites.
- 2019 *Archaeology of White Sands Missile Range: Archaeological Identification and Protection of Five Sites Along Tank Trails, Doña Ana County, New Mexico.* Alexander Kurota, Christian Solfisburg, and Robert Dello-Russo. OCA Report 185-1243.
Chapter 12. Analysis of Lithic Artifacts at Five Sites on White Sands Missile Range.
Chapter 15. My Favorite Things: Shells, Beads and Other Ornamental Materials of the Southern Tularosa Basin of New Mexico.
- 2018 *Archaeology of White Sands Missile Range: Damage Assessment of Cultural Resources Impacted by Road Construction at Orogrande Range Camp, Otero County, New Mexico.* Alexander Kurota, Joseph Gooding, Samuel Hatch, and Evan Sternberg. OCA Report 185-1244.
Chapter 9: Lithic Analysis of the Damage Assessment at the Jarilla and other sites on the White Sands Missile Range (Co-Author).
- 2018 *Archaeology of White Sands Missile Range: Evaluation of 36 Sites and Implementation of Site Protective Measures Between Highway 70 and Nike*

Avenue, Otero and Doña Ana Counties, New Mexico, Volume 3: Analyses and Appendices. Compiled by Alexander Kurota, Evan Sternberg, and Robert Dello-Russo. OCA Report 185-1150

Chapter 48: Flaked and Ground Stone Artifact Analyses

2017 *Archaeology of White Sands Missile Range: Damage Assessment of Cultural Resources Impacted by Powerline Construction at LA 37470, Otero County, New Mexico.* Alex Kurota and Evan Sternberg. OCA Report 185-1230.

Chapter 7: Lithic artifacts from the Midden, Feature 15, at the Jarilla Site.

Photography

2017 *Exploring Cañon Largo: History and Prehistory of the Canadian River Canyonlands.* Erin Hegberg and Robert Dello-Russo. Wilderness Land Trust.
Contributing photographer

Employment (Non-archaeological)

November 2020 – Present

Health Educator, Basic (Contact Tracing)

New Mexico Department of Health, Epidemiological Response Division

My work experience at ERD includes researching Covid-19 best practices for containment, contacting people exposed to Covid-19, and providing information and resources on quarantine and vaccination. Based on those contacts, the job also requires updating and quality control of contact data for each individual.

PROFESSIONAL SERVICE

New Mexico Museum of Natural History and Science – March 2013 – October 2013
3-6 hours per week.

National Park Service Lab – UNM, August 2012 – August 2013
1-2 hours per week.

Clark Field Archive and Library – UNM, January 2012 – May 11, 2013
3-10 hours per week

ORGANIZATIONAL MEMBERSHIPS

Albuquerque Archaeological Society

Publicity Chair (2013-present)

Vice-president (2018-present)

Director at Large (2016-2017)

Archaeological Society of New Mexico

2018 Annual Conference: Section Moderator and Publicity Organizer.

ADDITIONAL CERTIFICATIONS AND LICENSES

NM SHPO Supervisory Archaeologist/Crew Chief, 2021

Commercial Driver's License, Class A