

Fabian C. Hardy

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Education:

University of Michigan

Expected May 2022

Ph.D. Student in Earth and Environmental Sciences
Advisors: Dr. Catherine Badgley and Dr. Daniel Fisher

University of Nevada Las Vegas

August 2015

Master of Science in Geoscience
Advisor: Dr. Stephen M. Rowland
Thesis Project: Stable Isotope Analysis of *Bison latifrons* and Paleoecological Inferences

University of Nevada Las Vegas

December 2012

Bachelor of Science in Geology

Additional Academic Experience:

ESRI Short Course 2015: Going Places with Spatial Analysis – ArcGIS training and application
UNLV Geoscience Course 2015: Tectonics and Structures, focus on Neotectonics and Paleoseismology
ExxonMobil Short Course 2014: Multi-disciplinary Subsurface Integration in Exploration and Production
ExxonMobil Short Course 2013: Basin and Play Analysis/Mapping

Related Skills: Proficient with ArcGIS software, Adobe Photoshop and Illustrator, Microsoft Excel and PowerPoint; Kiel IV carbonate device and mass spectrometry; SEM imaging equipment; OSHA 40-hour HAZWOPER certification

Professional Experience:

June 2017- July 2018	Environmental Scientist/Paleontologist Phase I/II environmental assessments, resource management planning, field surveys	BEC Environmental, Inc.
Jan. 2016- July 2018	Adjunct Professor Physical Geology, Environmental Science, Geography; lecture and lab courses	College of Southern Nevada
April 2016- June 2017	Field Paleontologist Field survey, excavation, report preparation	PaleoResource Consultants
Aug. 2015- May 2016	Research assistant/Lab manager Maintenance and operation of isotope mass spectrometer, collect and prepare samples	Las Vegas Isotope Science Laboratory (LVIS)
May 2015- Oct 2015	Geoscientist intern Conducted geologic research leading to creation of interpretive material	Tule Springs Fossil Beds Ntl Monument

Other Work Experience:

Jan. 2014- May 2015 Lead Graduate Teaching Assistant UNLV Department of Geoscience
Paleontology, Historical Geology, Graphic Design with Photoshop

Jan. 2013- May 2013 UNLV Honors College
Graduate Assistant

Aug. 2011- Dec. 2012 UNLV Paleontology Laboratory
Undergraduate Research Assistant

Dec. 2005- Aug. 2012 Department Supervisor Best Buy Inc.

Volunteer Experience:

March 2014- Present Esmeralda County Paleontological Survey and Excavation
Survey and excavation of vertebrate fossils, museum preparation

Jan. 2015- July 2018 Valley of Fire State Park - Paleontological Survey
Survey and excavation of Cretaceous vertebrate and plant fossils

April 2012- July 2018 Las Vegas Natural History Museum – Paleontology Laboratory
Fossil preparation, educational outreach

July 2011- July 2018 Tule Springs Fossil Beds National Monument - Paleontological Survey
Quarry chief for vertebrate and invertebrate excavations

Awards:

Oct. 2018 Rackham Conference Travel Grant

April 2018 National Science Foundation Graduate Research Fellowship Program – Honorable Mention

Oct. 2014 The Paleontological Society - GSA Student Poster Competition – First place

May 2014 GSA Rocky Mountain/Cordilleran Section – Outstanding Graduate Poster Award

March 2014 UNLV Graduate & Professional Student Research Forum – Platform Session Honorable Mention

Jan. 2014 Edwards & Olswang Geology Scholarship, Bernarda French Scholarship

Dec. 2013 UNLV Graduate & Professional Student Association Travel Grant

April 2012 UNLV Geosymposium 2012 – 2nd Place Undergraduate Poster

Publications:

Hardy, F., and Rowland, S.M., 2016, Long-horned Lawn mowers: stable isotopic analysis of *Bison latifrons* tooth enamel indicates the species was a highly adaptable mixed feeder: *Quaternary Research*. In review.

Hardy, F., and Santucci, V.L., 2016, An inventory of fossil Bison paleontological resources associated with National Park Service localities: *Geologic Resources Division Technical Report*. In preparation.

Hardy, F., and Bonde, J., 2015, Stomping around the Sump: Miocene pygmy Gomphothere from Esmeralda County, Nevada, *in* New Concepts and Discoveries, Geological Society of Nevada Symposium, v. 1, p. 929-937.

Presentations:

Hardy, F., and Bonde, J. W., 2018, A revised late-Miocene faunal assemblage, including an occurrence of exceptional preservation of insect larvae, from the Esmeralda Formation of Fish Lake Valley, Nevada: Geological Society of America Abstracts with Programs, v. 50, no. 6., p. 264.

Hardy, F., and Bonde, J. W., 2017, A Great Basin Miocene biota from the Esmeralda Formation of Nevada as an ecological constraint on the timing of Sierran uplift: Geological Society of America Abstracts with Programs, v. 49, no. 6., p. 221.

Hardy, F., and Rowland, S. M., 2016, *Bison latifrons* was a mixed feeder: isotopic analysis of tooth enamel: Geological Society of America Abstracts with Programs, v. 48, no. 7.

Hardy, F., 2015, The inside scoop on Nevada's ancient elephants, Las Vegas Natural History Museum/Geological Society of Nevada (invited talk).

Hardy, F., and Bonde, A., 2015, Old bones and neon signs: A century of research at Tule Springs Fossil Beds National Monument: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 656.

Hardy, F., and Bonde, J., 2015, Welded beast of the Sump: Gomphothere skull reconstruction, 10th Annual UNLV Geosymposium.

Hardy, F., and Rowland, S., 2014, Rumble in the Pleistocene: *Bison latifrons* paleoecology and megafaunal competition: Geological Society of America Abstracts with Programs, v. 46, No. 6, p. 133.

Hardy, F., and Rowland, S., 2014, Great Basin *Bison latifrons*: Stable isotope paleoecology: Geological Society of America Abstracts with Programs, v. 46, no. 5, p. 13.

Hardy, F., 2014, Stable isotope paleoecology of an Ice Age bison, Platform Session B, 16th Annual UNLV Graduate and Professional Student Research Forum.

Hardy, F., and Rowland, S., 2013, Isotope Geochemistry and Paleontology of a Giant Long-horned bison from the Snowmass Village Fossil Site, CO, 8th Annual UNLV Geosymposium.

Hardy, F., Rodriguez, M., Bonde, A., and Rowland, S., 2012, Paleontology of a Late Pleistocene long-horned bison from Lincoln County, Nevada, 7th Annual UNLV Geosymposium.

Rowland, S., Hardy, F., and McLaurin, B., 2011, The Wilkin Quarry Rancholabrean biota of Lincoln County, Nevada: Journal of Vertebrate Paleontology, Program and Abstracts, 2011, p. 182.

Professional and Academic Affiliations:

The Paleontological Society

UNLV 10th Annual Geosymposium Committee - Abstracts with Programs Chair (2015)

Geological Society of America – Student Advisory Council Member, Cordilleran Section (2014-2016)

Dead Lizard Society - UNLV Chapter President (2013-2016)