

Congratulations 2020 Earth and Environmental Sciences Graduates!

PhD Dissertations

Phoebe Aron

Tracing Natural Water Cycling and Variability with Stable Water Isotopes

Xiaojing Du

A high-resolution reconstruction of Southern California hydroclimate during the Holocene: Interannual precipitation variability response to climate forcing

Nikita LaCruz

Using mineral geochemistry to investigate ore deposit formation and ore deposit potential

Laura Motta Medina

The Magnetic Isotope Effect and the Anomalous Case of Mercury Stable Isotope Fractionation

Mark Robbins

Evolution of Late Season Meltwater in Alpine and Arctic Glaciers: Sampling Strategies and Geochemical Observations

Adrianna Trusiak

The role of iron in the arctic carbon cycle

Alexander Tye

Continental deformation: new tools and new constraints on convergent and collisional systems from the Greater Caucasus

Yi Wang

Annual to millennial-scale Oxygen Minimum Zone expansion on the Southern California margin: proxies and drivers

MS Theses

Phoebe Aron

Cenozoic Mountain Building and Climate Evolution

Jordan Hood

Analysis of differential X-ray attenuation as a method for correlating annual dentin increments in proboscidean tusks

BS Earth and Environmental Sciences

Alexander Bascom

Emily Boswell

Bianca Gallina

Sophie Lin

Zoey Plonka

Rachel Antieau

Skyelar Caplan

Drew Denning

Ian Elphinstone

Hailey Goran

Dina Habibovic

Kristen Hayden

Summer Hoffman

Brook Klingel

Kaitlin Koshurba

Rosalie Luo

Lily Matlof

Carol May

Nabil Mohd Hamzah

Nicole Mooney

Nicholas Naimo

Madison Payne

Ryan Prchlik

Minors

Michael Rader

Elizabeth Ratajczyk

Stephanie Robinson

Catherine Seguin

Taiga Shirai

Danielle Turner

Steven Wedel

Melissa Wood

Julia Belke

Bryanne Gordon

Caleb Grimes

Courtney Hylant

Skye Kinnison

Zoe Moore

Erin Rodewald

Henry Schnaidt

Aashika Sulabelle

Ziwei Xiang

Bridget Hoffman

Grant Peterson

Stuart Schmall

Taylor Smith

Joseph Schuler

Lindsay Rasmussen

Hannah Dehetre

Rebecca Huska

Rebecca Joyce

Cameron Leitz

Brian Macke

Eric Mayo

Neil Nautiyal

Abigail Randall

Sheila Roarty

Pamela Sobze

Zackery Spiekerman

Austin Thompson

Cody Williams

Stacy Kaneko

Brij Banerji

Elena Folgueras

Margaret Hammond

Cassandra Jordan

Mayur Bandekar

Emma Kaznowski

Heather Young

Ryan Prchlik

Gregory Cogut

Daniel Dubeck

Lydia Whitbeck

Nicholas Naimo

Samantha Steele

Renee Soulliere

Ryan McGinnis

Peter Rohrer

Bethany Rookus

Alina Drebin

Hailey Goran

Amelia Montgomery

Nicole Mooney

Andrew Neighbors

Steven Wedel

Tatiana Cuevas

Kellyn McKnight

Zoe Moore

Samantha Theuer

Kajsa Lundeen

Honors and Senior Theses

Emily Boswell

Mid-Pliocene Paleotemperature Reconstruction: Evaluation of the Sclerochronologic Isotopic Record of Molluscan Bivalves from the Pinecrest Beds of the Tamiami Formation, FL and the Yorktown Formation, VA.

Skye Caplan

Paleoaltimetry of Mio-Pliocene Camp Davis Formation, Gros Ventre Range, Wyoming: Clumped Isotope Analysis of Lacustrine Carbonates

Kristen Hayden

Blueprints to City Carbon Neutrality: Potential Applications for Ann Arbor and Other Mid Size Cities

Catherine Seguin

Constraining Phosphorus Cycling in Biological Soil Crusts

Steven Wedel

Temperature and oxygen isotope seasonality of the Last Interglacial (MIS-5e) from analysis of stable and clumped isotopes of Bermuda bivalves

Melissa Wood

*New material of *Palaeoamasia kansui* and a phylogenetic revision of Embletoidea*

