

# Erinanne M. Saffell, PhD

## Office Address

Arizona State University  
School of Geographical Sciences and Urban Planning  
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## Education

### Doctor of Philosophy in Geography

*Arizona State University*

“The Applicability of Synoptic Classifications: Analysis of an Urban Complex”

Chair: Andrew Ellis (Climatology)

December, 2004

Tempe, AZ

### Master of Arts in Geography

*Arizona State University*

“Urban-Rural Humidity Variations in Phoenix, Arizona”

Chair: Andrew Ellis (Climatology)

August, 2001

Tempe, AZ

### Bachelor of Science

*Arizona State University*

Major: Geography

Graduation Honors: Summa Cum Laude

August, 1999

Tempe, AZ

## Employment

### Teaching Associate Professor

*School of Geographical Sciences and Urban Planning*  
Arizona State University

2009-present

Tempe, AZ

Director: David Sailor

### Instructional Professional

*School of Sustainability*  
Arizona State University

2014-2019

Tempe, AZ

Director: Christopher Boone

### Residential Faculty – Geography

*Maricopa County Community College District*  
Mesa Community College

2007-present

Mesa, AZ

Department Chair: Paul Harasha

### Senior Hydrologist

*Flood Control District of Maricopa County*  
Flood Warning, Engineering Division

2006-2007

Phoenix, AZ

Manager: Steve Waters

### Faculty Associate

*Arizona State University*  
School of Geographical Sciences

2006-2007

Tempe, AZ

Acting Director: Tony Brazel

### Assistant Professor

*East Carolina University*  
Department of Geography

2004-2005

Greenville, NC

Department Chair: Ron Mitchelson

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## Appointments/Confirmations

<b>Arizona State Climatologist</b> Appointed by Governor Douglas Ducey	July 2021-present Confirmed by Arizona State Senate, April 2022
<b>Director, Arizona State Climate Office</b> Arizona State University	July 2021-present Tempe, AZ
<b>Senior Global Futures Scientist</b> Arizona State University	August 2021 Julie Ann Wrigley Global Futures Laboratory

## Service

2023	Member, 2023 Arizona State Hazard Mitigation Plan
2023	Contributor, Multi-Jurisdictional FEMA Hazard Mitigation Plan, Navajo County
2023	Contributor, Multi-Jurisdictional FEMA Hazard Mitigation Plan, Santa Cruz County
2023	Contributor, Multi-Jurisdictional FEMA Hazard Mitigation Plan, Tohono O'odham
2022	Contributor, Multi-Jurisdictional FEMA Hazard Mitigation Plan, Cochise County
2022	Contributor, Multi-Jurisdictional FEMA Hazard Mitigation Plan, Pima County
2021-present	Co-Chair, ADWR State Drought Monitoring Technical Committee
2021-present	Member, ADWR State Drought Interagency Coordinating Group
2021	Member, SGSUP Instructor Hiring Committee
2020	Chair, SGSUP Instructional Design Hiring Committee
2020-present	Advisor, Sun Devil Weather and Climate Student Organization
2019-present	Member, AMS Board of Outreach and Informal Education
2019-2020	Member, AMS Local Chapter Affairs Committee
2018-2021	Member, SGSUP Fixed Term Personnel Committee
2015-2019	Executive Committee, AMS-NWA Central Arizona Chapter
2011-2019	Director, SWIFT Weather Camp Steering Committee
2011-12	Local Implementation Team Member, DataStreme ECS Project, AMS
2010-15	Secretary/Treasurer, AMS Central Arizona Chapter
2010-11	Coordinator, Summer Youth College, MCC, " <i>Stormchasing</i> "
2009-present	Member, MCCC Instructional Council Sustainability; Chair 2013-2018; 2020-2021
2008-present	Member, MCCC Instructional Council Geography

## Courses Taught

### Lower-division

- Extreme Weather and Climate
- Introduction to Climatology
- Introduction to Meteorology
- Introduction to Physical Geography
- Introduction to Human Geography
- Natural Hazards and Disasters
- Society and Environment
- Sustainability Professional Skills
- Sustainability Careers
- The Water Planet
- Weather and Climate
- World Regional Geography

Upper-division and graduate level

- Fortran Programming
- Geography of Natural Resources
- Global Climates
- Hydroclimatology
- Meteorological Instruments
- Thirteen Ways Nature Kills

## Student Mentoring

Herberger Young Scholar Academy Mentorship, Andrew Berles, Senior (2021-22)

Barrett Honors Thesis Director for Nicholas Acciardo – School of Earth and Space Exploration (2019-20)  
Thesis title: Improving Sustainability Education in Arizona Public Schools

Barrett Honors Thesis Committee for Henry Vasquez – School of Mathematical and Statistical Sciences (2017-18) Thesis title: Regression Analysis on Colony Collapse Disorder in the United States

## Publications

Follingstad, G., E. Saffell, B. Bolinger, J. Meyer, T. Bergantino, and L. Haskell. 2023. *Drought Status Update for the Intermountain West*. NOAA Technical Report 2023-09-21. NIDIS, Boulder, CO.

Lisonbee, J., B. Parker, A. Lang, E. Ossowski, A. Bair, A. Haynes, R. Fox, P. Miller, J. Casola, R. Andrews, M. Anderson, K. Bumbaco, E. Fleishman, R. Gorke, D. Hoekema, J. Kalansky, L. O'Neill, J. Rutz, E. Saffell, and D. Simeral. 2023. *Special Edition Drought Status Update for Western United States*. NOAA Technical Report 2023-01-24. NIDIS, Boulder, CO.

Lisonbee, J., E. Saffell, P. Goble, J. Meyer, and T. Bergantino. 2022. *Drought Update for the Intermountain West*. NOAA Technical Report 2022-12-16. NIDIS, Boulder, CO.

Lisonbee, J., E. Saffell, P. Goble, J. Meyer, T. Bergantino, and D. DuBois. 2022. *Drought Update for the Intermountain West*. NOAA Technical Report 2022-11-04. NIDIS, Boulder, CO.

Lisonbee, J., S. McAfee, E. Saffell, D. McEvoy, D. Simeral, P. Iniguez, V. Murphy, A. Tardy, J. Casola, and M. Crimmins. 2022. *North American Monsoon and Drought Relief*. NOAA Technical Report 2022-06-30. NIDIS, Boulder, CO.

Frankson, R., K.E. Kunkel, L.E. Stevens, D.R. Easterling, T. Brown, N. Selover, and E. Saffell. 2022. *Arizona State Climate Summary 2022*. NOAA Technical Report NESDIS 150-AZ. NOAA/NESDIS, Silver Spring, MD. 5 pp.

Saffell, E. 2007. The modernization and expansion of the Volunteer Observer Network: opportunity to incorporate public education and outreach. Proceedings: *North American Surface Water Quality Conference and Exposition*.

Hawkins, T., A. Brazel, W. Stefanov, W. Bigler, and E. Saffell. 2004. The role of rural variability in urban heat island determination for Phoenix, Arizona. *Journal of Applied Meteorology*. Volume 43:476-486.

Ellis, A., E. Saffell, and T. Hawkins. 2004. A method for defining monsoon onset and demise in the southwestern United States. *International Journal of Climatology*. Volume 24:247-265.

Saffell, E., Editor. 2003. *Introductory Physical Geography Laboratory Manual*. Hayden-McNeil Publishers, Plymouth, MI. 174 pp.

Saffell, E. and A. Ellis. 2002. Urban-rural humidity variations in Phoenix, Arizona. *Journal of Arizona-Nevada Academy of Science*. Volume 34:53-64.

Saffell, E., Editor. 2002. *Physical Geography Laboratory Manual*. Thomson Publications. Florence, KY. 134 pp.

## Recent Invited Presentations

State Climatologists panel discussion: Current status of Arizona's drought. 2023. Southwest Drought Learning Network. (online) Albuquerque, NM.

Environmental and Water Resources Institute: 2023 Monsoon report and winter outlook. 2023. Arizona Section of the American Society of Civil Engineers. (online) Phoenix, AZ.

Arizona's Emerging Leaders: Climate of Arizona. 2023. Arizona Forward. Phoenix, AZ.

Cochise County and Borderlands Naturalist Master Class: Climate change. 2023. Bisbee Science Exploration and Research Lab. Bisbee, AZ.

Southwest Drought Briefing. 2023. NOAA/NIDIS Intermountain West, Drought Early Warning System. (online) Boulder, CO.

TRIO Upward Bound: Urban heat island. 2023. (online) ASU West, Glendale, AZ.

Drought Interagency Coordinating Group: Arizona winter WY2023 status. 2023. Arizona Department of Water Resources. (online) Phoenix, AZ.

Arizona Floodplain Management Association: Winter water report. 2023. Spring AFMA Conference. Flagstaff, AZ.

Southwest Tribal Drought Conversation: Arizona's wet winter. 2023. NOAA/NIDIS Intermountain West, USDA. Flagstaff, AZ.

Navajo Sustainable Agricultural Project: Four Corners Region drought talk and seasonal outlook. 2023. NOAA/NIDIS Intermountain West, USDA. (online) New Mexico State University. Las Cruces, NM.

Tribal Water in the Southwest: Climate impacts of water availability. 2023. Tenth Annual Comprehensive Conference. (online). Law Seminars International. Seattle, WA.

Keynote Speaker, Sustainability Consortium: Climate of the West. 2023. The Sustainability Consortium Annual Summit. Tempe, AZ.

Arizona Department of Real Estate: Arizona State Climatologist. 2023. 100 N. 15<sup>th</sup> Avenue Suite 201. Phoenix, AZ.

Phoenix Rotary: Arizona State Climatologist. 2023. 202 W. Sunnyside Avenue. Phoenix, AZ.

University of Redlands First Monday: Arizona State Climatologist. 2023. Master of Public Policy and Administration Program. (online) Redlands, CA.

Arizona Environthon: Factors of a changing climate. 2023. National Conservation Foundation Environthon. (online) AZ.