

## ERIN E. POSTHUMUS

### PROFESSIONAL EXPERIENCE

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**Outreach Coordinator & Liaison to the US Fish & Wildlife Service** 2013-Present

USA National Phenology Network, School of Natural Resources and the Environment, University of Arizona: lead outreach and engagement of partners and citizen scientist participants of *Nature's Notebook* plant and animal observation program; work with National Wildlife Refuges to establish phenology monitoring programs to meet Refuge management and outreach objectives

**Outreach Assistant** 2010-2013

USA National Phenology Network, School of Natural Resources and the Environment, University of Arizona: conducted outreach and communications related to *Nature's Notebook* program

**Buffelgrass Outreach Coordinator** 2013

Tucson Clean & Beautiful: conducted outreach and engagement to local partners and community members on invasive species for environmental non-profit in Tucson, AZ

**Peace Corps Environmental Conservation Advisor** 2007-2009

Vanuatu, South Pacific: advised the Vanuatu government's Environment Unit on land management and resource conservation

### EDUCATION

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**University of Arizona** 2013

M.S. Wildlife Conservation and Management, School of Natural Resources and the Environment

**University of Colorado at Boulder** 2005

B.A. in Environmental, Population and Organismic Biology, Summa cum laude

### GRANTS, AWARDS, AND HONORS

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Principal Investigator, Cooperative Ecosystem Studies Unit (CESU): Phenology Monitoring Technical Assistance – Nature's Notebook Citizen Science for Engagement and Management, US Fish & Wildlife Service (2019-2023), \$688k to the University of Arizona

Co-Investigator, Phenology for Resource Management and Decision Making, US Fish & Wildlife Service (2014-2019), \$666k to the University of Arizona

Outstanding Thesis Award, School of Natural Resources and the Environment, University of Arizona (2014)

Student Leadership Award, School of Natural Resources and the Environment, University of Arizona (2013)

### SERVICE AND LEADERSHIP

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Board Member, Jefferson Park Neighborhood Association, Tucson, AZ (2016-Present)

Volunteer, Desert Tortoise Adoption Program, Arizona-Sonora Desert Museum (2017-Present)

Chair, Natural Resources Graduate Student Organization, University of Arizona (2012-2013)

## SELECTED PEER-REVIEWED PUBLICATIONS AND BOOK CHAPTERS

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Crimmins, TM, KL Gerst, DG Huerta, RL Marsh, **EE Posthumus**, AH Rosemartin, J Switzer, JF Weltzin, L Coop, N Dietschler, DA Herms, S Limbu, RT Trotter III, M Whitmore. 2019. Short-term forecasts of insect phenology inform pest management. *Annals of the Entomological Society of America*. doi.org/10.1093/aesa/saz026

Gerst, KL, TM Crimmins, **EE Posthumus**, A Rosemartin, & M Schwartz. 2020. How well do the Spring Indices predict phenological activity across plant species? *International Journal of Biometeorology*. doi.org/10.1007/s00484-020-01879-z

Gerst, KL, AH Rosemartin, **EE Posthumus**, and TM Crimmins. Successes and challenges on a spectrum of stakeholder engagement. *Collaboration Now for the Future: Biodiversity and Management of the Madrean Archipelago VI meeting proceedings*, Tucson, Arizona, May 14-18, 2018. In press.

**Posthumus, EE**, L. Barnett, TM Crimmins, E Stancioff, J Einerson, PL Warren. Building local resilience to climate change through citizen science, environmental education, and decision-making. In: *Addressing Climate Change at the Community Level in the United States*. 2018. Eds. P.R. Lachapelle and D.E. Albrecht. New York: Routledge/Taylor & Francis.

EK Waller, TM Crimmins, JJ Walker, **EE Posthumus**, JF Weltzin. 2018. Differential changes in the onset of spring across US National Wildlife Refuges and North American migratory bird flyways. *PLOS One*. doi.org/10.1371/journal.pone.0202495

**Posthumus, EE**, JL Koprowski, RJ Steidl. 2015. Red squirrel middens influence abundance but not diversity of other vertebrates. *PLoS ONE* 10(4):e0123633. doi:10.1371/journal/pone.0123633

Rosemartin, AH, TM Crimmins, C Enquist, KL Gerst, JL Kellerman, **EE Posthumus**, JF Weltzin, EG Denny, P Guertin, LR Marsh. 2013. Organizing phenological data resources to inform natural resource conservation. *Biological Conservation*. doi:10.1016/j.biocon.2013.07.003

## REPORTS

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Posthumus, EE, MP Miller, and TM Crimmins. 2020. *Nature's Notebook*—A tool for recording the timing of seasonal activity of plants and animals: U.S. Geological Survey Fact Sheet 2020–3022, 4 p., doi.org/10.3133/fs20203022

USA-NPN National Coordinating Office. 2019. Phenology for Resource Management and Decision Making: Phase III and IV Program Evaluation and Final Report. USA-NPN FWS Series 2019-001. Available online at [www.usanpn.org/fws](http://www.usanpn.org/fws). 25 pp.

Hudson, AM, JJ Minor, and EE Posthumus. 2013. Stories of the Sky Islands: Exhibit Development Resource Guide for Biology and Geology at Chiricahua National Monument and Coronado National Memorial. Final Report to National Park Service, Cooperative Ecosystems Studies Unit Agreement H1200-05-0003, Task Agreement J8680090020. May 17, 2013: 92 pp.