

ERIN E. POSTHUMUS  
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## PROFESSIONAL EXPERIENCE

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

**Outreach Assistant**, USA National Phenology Network, School of Natural Resources and the Environment, University of Arizona: conducted outreach and communications related to *Nature's Notebook* program (2010-2013)

**Buffelgrass Outreach Coordinator**, Tucson Clean & Beautiful: conducted outreach and engagement to local partners and community members on invasive species for environmental non-profit in Tucson, AZ (2013)

**Graduate Research Assistant**, School of Natural Resources and the Environment, University of Arizona: conducted research on the montane vertebrate community of the Mt Graham red squirrel (2010-2013)

**Graduate Assistant**, Arizona State Museum, University of Arizona: compiled information on wildlife ecology in the sky islands to be used in interpretive displays in Chiricahua NM and Coronado NM (2013)

**Field Technician**, University of Florida, Gainesville: collected data on wading bird nestling survival in the Florida Everglades (2010)

**Peace Corps Environmental Conservation Advisor**, Vanuatu, South Pacific: advised the Vanuatu government's Environment Unit on land management and resource conservation (2007-2009)

## EDUCATION

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**M.S. Wildlife Conservation and Management**, School of Natural Resources and the Environment, University of Arizona, 2013

**B.A. Environmental, Population and Organismic Biology**, University of Colorado at Boulder, 2005

## GRANTS, AWARDS, AND HONORS

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**Co-Investigator**, Grant from Monarch Joint Venture and USFS International – Monarch and Milkweed Phenology in Arizona, \$19k to the University of Arizona (2022)

**Principal Investigator**, Grant from South Central Climate Adaptation Science Center – Time to Restore: Connecting People, Plants, and Pollinators, \$131k to the University of Arizona (2021-2023)

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

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

**Outstanding Staff in Research Award**, ALVSCE, University of Arizona (2021)

#### **SELECTED PEER-REVIEWED PUBLICATIONS**

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Gerst, K.L., T.M. Crimmins, **E.E. Posthumus**, R.L. Marsh, J. Switzer, C. Wallace. The USA National Phenology Network's Buffelgrass Green-up Forecast map products. *Ecological Solutions and Evidence* e12109:1-6. doi.org/10.1002/2688-8319.12109

Crimmins, TM, **EE Posthumus**, SN Schaffer, KL Prudic. 2021. COVID-19 impacts on participation in large scale biodiversity-themed community science projects in the United States. *Biological Conservation* 256:109017. doi.org/10.1016/j.biocon.2021.109017

Taylor, RV, W Holthuijzen, A Humphrey, and **E Posthumus**. 2020. Using phenology data to improve control of invasive plant species: A case study on Midway Atoll NWR. *Ecological Solutions and Evidence* 1:1-7. doi:10.1002/2688-8319.12007

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.

Waller, EK, 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

#### **SELECTED BOOK CHAPTERS, REPORTS, AND FACT SHEETS**

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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 <https://fws.usanpn.org/about-collaboration>. 25 pp.

**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.