

Nathan Hahn

1809 Stover St, Fort Collins, CO, 80525
nhahn@colostate.edu Tel: +12064508543

EDUCATION

Colorado State University, 2017 - present

- PhD candidate, Graduate Degree Program in Ecology, Department of Fish, Wildlife, and Conservation Biology

Colorado College, 2010 - 2014

- B.A. in Biology (Organisms, Ecology, and Evolution)
- Minor in Environmental Studies
- Thesis: Human-Wildlife Conflict: The Role of Secondary Stakeholders in Mitigating Conflict, Nagarjuna Sagar Srisailem Tiger Reserve, India

EXPERIENCE

2017-present **Colorado State University, Wittemyer Lab**

National Science Foundation Graduate Research Fellow

Applying the use of emerging technology to study elephant behavior for insights on human-elephant conflict mitigation, corridor design, and anti-poaching in the Wittemyer lab group.

2017-present **Biodiversity & Wildlife Solutions – RESOLVE**

Conservation Technologies Consultant

Consult on research, design, and field testing of technologies for human-wildlife conflict and anti-poaching operations.

2014-2017 **Biodiversity & Wildlife Solutions - RESOLVE**

Research Associate

Lead field projects, including management of consultants and interns, to design, test, and deploy technologies including drones and real-time cameras for wildlife protection and monitoring. Developed a project to test and scale the use of drones and community chilli fences to keep elephants out of crop fields, including leading training workshops in Tanzania and Kenya on drone use for conservation. Collaborated with engineers to design, produce, and deploy anti-poaching devices.

2013-2014 **Colorado College Biology Department**

Research Assistant

Research design and data collection for original study on red squirrel food preference and territory selection in a mixed conifer forest. Research involved trapping, PIT tagging, collaring, and radio telemetry. Mapped individual territories to analyze habitat and food preferences.

2013

World Wildlife Fund – India

Undergraduate Researcher

Conducted semi-structured group interviews and open discussions with indigenous communities for a thesis study to collect data on human-wildlife conflict in a south Indian tiger reserve. Collaborated with WWF-India field staff to produce report for the Indian Forest Service: “Human Wildlife Conflict: The Role of Secondary Stakeholders in Mitigating Conflict, Nagarjuna Sagar Srisailem Tiger Reserve, India

TEACHING AND MENTORSHIP

- Graduate Teaching Assistant for Introduction to Wildlife Management, 2018. Conducted class lectures, held office hours, and developed test materials.
- Intern Mentor, 2014-2017. Coach/mentor for 5 interns at RESOLVE, one of whom was hired into a full-time role.

PUBLICATIONS

Peer-reviewed

Dinerstein E, Olson D, Joshi A, Burgess N, Wikramanayake E, Hahn N, Vynne C, S Palminteri, C Vynne Baker, Hedao P, Noss R, Hansen M, H Locke, Victor C, Hayes R, Kormos C, Martin V, Sechrest W, Price L, Baillie J, Weeden D, Suckling K, Davis C, Sizer N, Jones B, Moore R, Thau D, Birch T, Potapov P, Turubanova S, Tyukayina A, de Souza N, Pintea L, Brito JC, Othman AL, Miller AG, Patzelt A, Ghazanfar SA, Timberlake J, Kloser H, Shennan-Farpon Y, Klindt R, Lilleso JPB, Breugel PV, Gradal L, Voge M, Saleem M. 2018. An Ecoregion-Based Approach to Protecting Half the Terrestrial Realm. *Bioscience*. 67(6):534-545.

Hahn N, Mwakatobe A, Konuche J, De Souza N, Keyyu J, Goss M, Chang’a A, Palminteri S, Dinerstein E, Olson D. 2017. Unmanned aerial vehicles mitigate human-elephant conflict on the borders of Tanzanian parks: A case study. *Oryx*. 51(3): 513-516.

Chang’a A, de Souza N, Muya J, Keyyu J, Mwakatoba A, Malugu L, Ndossi HP, Konuche J, Omondi R, Mpinge A, Hahn N, Palminteri S, Olson D. 2016. Scaling-up the use of chili fences for reducing human-elephant conflict across landscapes in Tanzania. *Tropical Conservation Science*. 9(2): 921-930.

Joshi AR, Dinerstein E, Wikramanayake E, Anderson ML, Olson D, Jones BS, Seidensticker J, Lumpkin S, Hansen MC, Sizer NC, Davis CL, Palminteri S, Hahn NR. 2016. Tracking changes and preventing loss in critical tiger habitat. *Science Advances*. 2(4), e1501675.

Kiffner C, Albertini M, Ede A, Donnellan B, Hahn N, McGinnis MA, Nietlisback NA, Tate J, Kioko J. 2015. Performance of individual species as indicators for large mammal species richness in Northern Tanzania. *Ecological Indicators*. 53: 70-77.

Popular Writing

10 publications at the WildTech-Mongabay science journalism site

GRANTS & AWARDS

- National Science Foundation Graduate Research Fellow. PhD funding for 2017 – 2022.
- Price Foundation. 2014-2017. Human-Elephant coexistence project. \$187,000.
- Stadler Family Foundation. 2016-2017. UAVs keep elephants out of crops: A case study. \$82,000.
- International Elephant Foundation. 2016. Farmer-elephant coexistence: Unmanned aerial vehicles (UAV) to reduce elephant crop-raiding. \$15,000.
- Venture Grant Foundation Research Fellow. Human Wildlife Conflict in Nagarjuna Sagar Srisailem Tiger Reserve, India. 2013. \$3,000.

References available upon request

