

Anne W. B. Hilborn

Contact details

Email ahilborn@vt.edu

Website: annehilborn.moonfruit.com

Twitter: @AnneWHilborn

Education

PhD, Department of Fish and Wildlife Conservation, Virginia Tech: January 2012-present

MSc, Ecology, Evolution and Conservation, Distinction, Imperial College London, UK: September 2011

B. S. Zoology, Magna Cum Laude, The University of Washington: June 2004,

Grade Point Average 3.90

Work experience

September-October 2015 Social media consultant, CFood, University of Washington. Advised on social media strategy, helped set up and promote project Twitter account. Condensed website content into Twitter appropriate material.

February-October 2014 Project Manager, Serengeti Cheetah Project, Tanzania. Responsible for the day to day running of the Serengeti Cheetah Project; Training and managing the project research assistant; Maintenance and logistics of field site in rural Tanzania including daily use and maintenance of LandRover vehicles. Responsible for the operation of Cheetah Watch, a citizen science project requiring collaboration with lodges, safari companies, and direct contact with tourists via face to face meetings and emails; Maintaining and entering data into the project database in Access, Contributing to yearly progress reports; Responsible for project social media outreach via Facebook, Twitter, and newsletters.

October 2011-December 2011 Research Scientist/Engineer, School of Aquatic and Fisheries Sciences, University of Washington. Responsible for the gathering of data from literature searches for a project on global biodiversity; identifying and counting zooplankton

March 2008-June 2010 Research Scientist/Engineer, Alaska Salmon Project, University of Washington. Part of team responsible for locating, netting, tagging and/or marking, and recording of measurement and daily locality data for research projects on sockeye salmon in the Wood River system, Alaska; Assisted in stream surveys for salmon population estimation; Outboard motor boat driving; Collection of limnological data in Wood River system, Alaska and Lake Washington, Washington; Part of team responsible for locating, counting and measuring tree swallows in egg and nestling forms in the Wood River System,

Alaska; Entry and cleanup of current and historical Salmon Program data in Excel and Access; Laboratory work including the processing of animal, plant, dirt, and water samples for isotope analysis, identifying and counting zooplankton, the analysis of chlorophyll samples using a fluorometer.

June 2004-November 2007 Research Assistant, Serengeti Cheetah Project.

Responsible for the collection of demographic and behavioral data on cheetahs in Serengeti National Park. Maintenance and logistics of field site in rural Tanzania including daily use and maintenance of LandRover vehicle. Data entry into Access database; Collection of cheetah fecal samples; Giving talks to student and tourists groups on cheetah ecology and conservation; Writing profiles of individual cheetahs for the Cheetah Watch website; Soliciting and entering data from tourists about cheetahs seen for the Cheetah Watch Program, as well as providing feedback to tourists about the cheetahs they saw; Writing of occasional short articles on cheetahs for Carnivore Newsbites Newsletter for the Tanzania Carnivore Project.

September 2003 Field Technician, Burke Museum bird collecting expedition, Arizona: Team member in expedition to Arizona to collect and prepare scientific avian specimens. Responsible for preparation of scientific avian specimens in round body and spread wing forms to museum quality standards; Recording of locality and measurement data; Clearing bush for, set up, dismantling and packing of mist nets; Identification, removal and killing of birds caught in mist nets.

June- July, September 2002 Field Technician, Burke Museum bird collecting expedition, Siberia and Australia: Team member in expeditions to Siberia, Russia and New South Wales Australia to collect and prepare scientific avian specimens. Responsible for preparation of scientific avian specimens in round body, spread wing, and skeleton forms to museum quality standards; Recording of locality and measurement data; Clearing bush for, set up, dismantling and packing of mist nets; Identification, removal and killing of birds caught in mist nets; Caring for prepared specimens and packing them for transport.

Teaching Experience

Spring 2017 Co-Instructor for Wildlife Field Techniques, Virginia Tech

Fall 2016 Teaching Assistant for Mammalogy, Virginia Tech

Spring 2016 Co-Instructor for Wildlife Field Techniques, Virginia Tech

Spring 2015 Teaching Assistant for Wildlife Field Techniques, Virginia Tech

Fall 2013 Teaching Assistant for Mammalogy, Virginia Tech

Peer Reviewed Journals

1. Januchowski-Hartley, S., **Hilborn, A.**, Crocker, K.C., Murphy, A. (2016) Scientists stand with Standing Rock. *Science*, 353 (6307), 1506
2. Pettorelli, N., **Hilborn, A.**, Duncan, C., Durant, S. M. (2015) Individual variability: the missing component to our understanding of predator-prey interactions, in *Trait-Based Ecology - From Structure to Function*, vol. 52. Elsevier. 19-44
3. **Hilborn, A.**, Pettorelli, N., Orme, C.D.L., Durant, S.M. (2012) Stalk and chase: how hunt stages affect hunting success in Serengeti cheetah. *Animal Behaviour*, 84, 701–706.
4. Pettorelli, N., **Hilborn, A.**, Broekhuis, F., Durant, S. M. (2009). Exploring habitat use by cheetahs using Ecological Niche Factor Analysis. *Journal of Zoology*, 277, 141-148.

Web-Based Publications, Blogs, Newsletters

1. **Anne Hilborn** (2017) How cheetah mothers help keep their cubs safe. *Wild Felid Monitor*. Vol. 10, 1, 18.
2. Simon Leather and **Anne Hilborn**. (2016) To name or not to name. *Biosphere*, issue 18. <http://www.biosphereonline.com/magazine/issue-18/>
3. **Anne Hilborn** (2015). Biologists take over Twitter. *The Fisheries Blog*. <https://thefisheriesblog.com/2015/08/03/biologists-take-over-twitter/>

Media

Current Twitter Followers: ~8100

Feb 2017 Interviewed for The Verge article on using Twitter for science communication <http://www.theverge.com/2017/2/14/14609428/social-media-science-outreach-hashtags-biology-twitter>

Jan 2017 Interview with Canadian radio show “Quirks and Quarks” about #bestcarcass <http://www.cbc.ca/radio/quirks/u-s-scientists-turn-north-for-help-making-tomatoes-great-again-and-more-1.3954868/inside-biology-twitter-with-bestcarcass-1.3954929>

Jan 2017 Quoted in the New York Times about #bestcarcass, a hashtag I helped promote <https://www.nytimes.com/2017/01/13/science/bestcarcass-twitter-photos.html>

Dec 2016 Coverage of my hashtag #bestspots in National Geographic <http://news.nationalgeographic.com/2016/12/bestspots-twitter-contest-why-animals-have-spots/>

Oct 2016 “Who eats faster, male or female cheetahs?” The Wildlife Society

<http://wildlife.org/who-eats-faster-male-or-female-cheetahs/>

Feb 2016 Through my weeklong curation of @realscientists, I helped start a conversation about menstruation during fieldwork which was written up in Nature News and Comment http://www.nature.com/news/fighting-the-menstruation-taboo-in-the-field-1.19372?WT.mc_id=TWT_NatureNews

Nov 2015 Profile in The Atlantic

http://www.theatlantic.com/science/archive/2015/11/the-woman-who-tweets-cheetahs/413593/?utm_source=SFTwitter

Sept 2015 Profile featured on main page of Virginia Tech's homepage

<http://www.vt.edu/spotlight/impact/2015-09-14-hilborn/hilborn.html>

Sept 2015 Radio interview with Australian Broadcasting Corporation about #cuteoff

<http://www.abc.net.au/radio/programitem/pgYRGqMKBG?play=true>

July -August 2015 Sparked and promoted several mass participation trends on Twitter (#Fieldworkfail #junkoff #cuteoff) that raised awareness about aspects of fieldwork and biological science. These hashtags were featured in mainstream media such as The Guardian, Washington Post, Huffington Post, The Atlantic, Le Monde, National Geographic, Mashable, Slate, and The Daily Mail.

Feb-Oct 2014 Responsible for Twitter and Facebook accounts for the Serengeti Cheetah Project

Outreach

Jan 2017 Skyped into Fall River Elementary School in Longmont, CO to talk to 60 kindergarteners about lions and cheetahs.

Sept 2015 Talk to the Virginia Tech student chapter of the Wildlife Society on doing fieldwork in Serengeti National Park.

Aug 2015 Helped organize a 2 day trip by 16 high school students in the Zoo Crew Program at the Philadelphia Zoo to the Fish and Wildlife Department at Virginia Tech and Mountain Lake Biological Station, VA. Gave students a talk on researching cheetahs.

July 2015 Talk to the AU chapter (Blacksburg) of Philanthropic Education Organization (P.E.O) on my cheetah research.

Jan 2015 Talk to high school seniors, The Northwest School, Seattle, USA. "Cheetahs, salmon and having fun in the field."

Honors, Awards, Grants

- 2017 Outstanding PhD Student, College of Natural Resources, Virginia Tech
- 2017 Georgia Pacific Dean's Graduate Fellowship, Department of Fish and Wildlife, Virginia Tech
- 2016 Edna Bailey Sussman Foundation Internship
- 2016 Burd Sheldon McGinnes Fellowship, Department of Fish and Wildlife, Virginia Tech
- 2015 P.E.O Scholar
- 2014-2016 National Science Foundation Doctoral Dissertation Improvement Grant
- 2014 Department of Fish and Wildlife Conservation Outstanding Teaching Assistant Award
- 2010-2013 National Science Foundation Graduate Research Program Fellow

Talks

Oct 2016 National Meeting The Wildlife Society, Raleigh, NC. "Dine and Dash: the effect of apex predators on cheetah handling time" Anne Hilborn, Nathalie Pettorelli, Tim Caro, Marcella Kelly, Karen Laursen, and Sarah Durant.

Feb 2016 VA chapter of the Wildlife Society Conference. "Twitter as a science communication tool". Anne Hilborn

Dec 2015. Tanzania Wildlife Research Institute's Biannual Scientific Meeting. "Dash and Dine: Predation in Serengeti cheetahs." Anne Hilborn, Nathalie Pettorelli, Tim Caro, Marcella Kelly, Karen Laursen, and Sarah Durant.

Nov 2015. Zoological Society of London. "Using Social Media as a Scientist". Anne

Hilborn

March 2015. Virginia Tech Graduate Student Association Research Symposium “Dash and Dine: Predation in Serengeti cheetahs.” Anne Hilborn and Marcella Kelly

February 2015. VA chapter of the Wildlife Society Conference. “Dash and Dine: Handling time in wild cheetahs”. Anne Hilborn and Marcella Kelly

March 2013 Virginia Tech Graduate Student Association Research Symposium “Hunting Success in Serengeti Cheetahs.” Anne Hilborn, Nathalie Pettorelli, David Orme, Sarah Durant

Oct 2011 University of Montana, “Hunting Success in Serengeti Cheetahs” Anne Hilborn, Nathalie Pettorelli, David Orme, Sarah Durant

Sept 2011 Imperial College London, “Hunting Success in Serengeti Cheetahs” Anne Hilborn, Nathalie Pettorelli, David Orme, Sarah Durant

References

1. Marcella Kelly, Associate Professor, Department of Fisheries and Wildlife Sciences Virginia Polytechnic Institute and State University, Blacksburg, USA makelly2@vt.edu
2. Sarah Durant, Senior Research Fellow, Zoological Society of London, London, UK sdurant@wcs.org