

SUZIE MARLOW

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(267) 261-2616

EDUCATION

Pennsylvania State University

GPA 3.5/4.0

Bachelor of Science in Biology: Ecology (Date of Graduation: May 2010)

Minor: Wildlife & Fisheries Sciences in Agricultural School of Science

Awards: Eberly College of Science Grant

Louis A. Martarano Endowment for Education

Study Abroad: Victoria University of Wellington, NZ (Spring 2009)

WORK EXPERIENCE

C2AN, dba Diamond Dog Detection Teams - Director of Operations, Handler

JAN 2022 - PRESENT

Manage field studies and day-to-day administration of the canine program. Work with on-site investigators and collaborators to manage project logistics. Deliver scientific presentations. Develop and deliver education outreach content.

Rogue Detection Teams, WA - Education Coordinator, Bounder

JUNE 2019 - NOV 2021

Managed field studies and day-to-day administration of the canine program. Worked with on-site investigators and collaborators to manage project logistics. Collaborated with researchers on study design appropriate to the detection dog method. Selected and taught detection dogs and handlers for use in conservation programs. Assisted with the development of research and scientific presentations. Developed and delivered education outreach content.

Environmental Detection Dogs LLC, PA - Detection Dog Consultant

AUGUST 2018 - JUNE 2019

Trained two personal detection dogs on invasive spotted lanternflies for detection work in critical areas of lanternfly range expansion.

Center for Conservation Biology, Univ. of Washington - Research Scientist II, Dog Handler

DEC 2012 - JUNE 2018

Handled 15 detection dogs on 18 field projects, independently led & managed 6 studies. Was responsible for introducing new odors, setting up sit exercises, box work, training walls, blind field scenarios, & hot spot training. Managed end-to-end process for data collection to delivery of reports. Created, & developed social media content.

DETECTION DOG PROJECTS

2024

- **Little Traverse Bay Band of Odawa Indians:** MI, 1 month - *fisher, marten, wolf, Blanding turtle, Wood turtle, Box turtle*
- **Bureau of Land Management:** CO, 2 weeks - *pygmy, great horned, saw-whet, & boreal owl*

2023

- **Little Traverse Bay Band of Odawa Indians:** MI, 1 month - *fisher, marten, Wood turtle*

2021

- **WA Tree Fruit Research Commission:** WA, 2 months - *Western X & Little Cherry Virus 2⁹*
- **Bat Conservation International:** IA, 4 months - *wind facility mortality assessment*

2020

- **Yosemite Nature Conservancy:** CA, 3 months - *Sierra Nevada red fox, mountain lion*⁸
- **WA Department of Fish & Wildlife:** WA, 1 month - *pygmy rabbit*
- **WA Tree Fruit Research Commission:** WA, 2 months - *Western X & Little Cherry Virus 2*⁹
- **Bat Conservation International:** IA, 4 months - *wind facility mortality assessment*

2019

- **Bureau of Land Management & U.S. Geologic Survey:** CA, 1 month - *wind facility mortality assessment*
- **CA Department of Fish & Wildlife:** CA, 1 month - *cougar*
- **National Council Air & Stream Improvement:** OR, 1 month - *Humboldt marten*⁷
- **Yosemite Nature Conservancy:** CA, 2 months - *Sierra Nevada red fox, mountain lion*⁸
- **University of California, Davis:** CA, 1 month - *Sierra Nevada red fox*

2017

- **U.S. Forest Service Kings River Fisher Project:** CA, 3 months - *fisher, marten, cougar, bobcat*
- **Cornell University:** NY, 3 months - *moose, black bear, fisher, marten*⁵
- **University of Washington:** Nepal & Vietnam, 4 months - *pangolin*⁶
- **B.C. Ministry of Environment:** Canada, 2 weeks - *western toad*

2016

- **U.S. Forest Service Kings River Fisher Project:** CA, 1.5 months - *fisher, marten, cougar, bobcat*
- **Invenergy & Shoener Environmental:** NY, 2 months - *wind facility mortality assessment*
- **Cornell University:** NY, 3 months - *moose, black bear, fisher, marten*⁵
- **University of Connecticut:** CT, 2 weeks - *New England cottontail*

2015

- **The University of Washington:** WA, 2 months - *wolf, cougar, black bear, brown bear, bobcat, lynx, coyote, wolverine, fisher, marten*⁴
- **Invenergy & Shoener Environmental:** IL, 2 months - *wind facility mortality assessment*

2014

- **Cornell University & NY Department of Conservation & Natural Resources:** NY, 3 months - *mink*³
- **U.S. Forest Service Kings River Fisher Project:** CA, 1.5 months - *fisher, marten, cougar, bobcat*
- **Invenergy & Shoener Environmental:** IL, 2 months - *wind facility mortality assessment*

2013

- **U.S. Forest Service Kings River Fisher Project:** CA, 3 months - *fisher, marten, cougar, bobcat*
- **John Muir Project, Chad Hanson:** CA, 2 weeks - *fisher*²
- **Cornell University & NY Department of Conservation & Natural Resources:** NY, 3 months - *mink*³

2012

- **The University of Washington, Statoil:** Canada, 3 months - *wolf, caribou, moose, deer*¹

ASSOCIATED PUBLICATIONS

1. Wasser, S. K., Keim, J. L., Taper, M. L., & Lele, S. R. (2011). The influences of wolf predation, habitat loss, and human activity on caribou and moose in the Alberta oil sands. *Frontiers in Ecology and the Environment*, 9(10), 546–551. <https://doi.org/10.1890/100071>
2. Hanson, Chad. (2015). Use of higher severity fire areas by female Pacific fishers on the Kern Plateau, Sierra Nevada, California, USA. *Wildlife Society Bulletin*. 39. 10.1002/wsb.560.
3. Fuller, A.K., Sutherland, C.S., Royle, J.A. and Hare, M.P. (2016), Estimating population density and connectivity of American mink using spatial capture–recapture. *Ecol Appl*, 26: 1125-1135. <https://doi.org/10.1890/15-0315>
4. Shi, Yue & Hoareau, Yves & Reese, Ellen & Wasser, Samuel. (2021). Prey partitioning between sympatric wild carnivores revealed by DNA metabarcoding: a case study on wolf (*Canis lupus*) and coyote (*Canis latrans*) in northeastern Washington. *Conservation Genetics*. 22. 10.1007/s10592-021-01337-2.
5. Wong, A. (2018) Methodologies for abundance estimation of moose (*Alces alces*) and other rare species. [Master of Science, Cornell University] Cornell University Library <https://ecommons.cornell.edu/handle/1813/64919>
6. Daniel Willcox, Helen C. Nash, Scott Trageser, Hyeon Jeong Kim, Lisa Hywood, Ellen Connelly, Godwill Ichu Ichu, Jonas Kambale Nyumu, Carla Louise Mousset Moumbolou, Daniel J. Ingram, Daniel W.S. Challender, Evaluating methods for detecting and monitoring pangolin (*Pholidata: Manidae*) populations, *Global Ecology and Conservation*, Volume 17, 2019, e00539, ISSN 2351-9894, <https://doi.org/10.1016/j.gecco.2019.e00539>.

7. Moriarty, K. M., Thompson, J. L., Delheimer, M. S., Barry, B. R., Linnell, M. A., Levi, T., Hamm, K. A., Early, D. A., Gamblin, H., Gunther, M. S., Ellison, J. L., Prev  y, J. S., Hartman, J. L., & Davis, R. J. (2021). Predicted distribution of a rare and understudied forest carnivore: Humboldt marten (*Martes caurina humboldtensis*). *PeerJ*, 9, e11670. <https://doi.org/10.7717/peerj.11670>
8. Project, Y. C. G. (2021, January 21). Yosemite Mountain Lion Survey. *ArcGIS StoryMaps*. <https://storymaps.arcgis.com/stories/3e36ebd9b63d4489b2254c94617887de>
9. Washington Tree Fruit Research Commission. (2021, November 15). *Canine detection of Western X disease in controlled and field settings - Washington Tree Fruit Research Commission*. <https://treefruitresearch.org/report/canine-detection-of-western-x-disease-in-controlled-and-field-settings/>

EXTENSION & EDUCATION PRESENTATIONS

2021 - Dogs, DNA, and Doo-doo: Authentic Investigations into Data Interpretation - *National Science Teachers Association, Science Technology Engineering Math Event*

2021 - Detective Dogs - *Keynote Speaker for National Park Service's Student Science Symposium* (full-day event)

2021 - The Detection Dog Methodology - *The University of Idaho, The Wildlife Society; Oregon State University, The Wildlife Society; The River Mile Network*

2020 - Detection Dogs & Sensitive Species - *Yosemite Law Conference*

2018 - The Power of a Dog - *The University of Washington, Conservation Canines* (2-week duration K-12)