

Melissa R. Price
College of Tropical Agriculture and Human Resources
Dept. of Natural Resources and Environmental Management
FTE Distribution: 65% I; 35% R; 0% E

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
B.S.	Walla Walla University, College Place, WA	Biology
Ph.D.	Loma Linda University, Loma, Linda, CA	Biology
Certificate	National Conservation Training Center, Shepherdstown, VG	Decision Analysis

Lifetime and Fellow Achievement Awards (peer nominated and endorsed national and International- important for those without accreditation that is peer nominated and endorsed, recognized)

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Assistant Professor	Department of Natural Resources and Environmental Management (NREM), College of Tropical Agriculture and Human Resources (CTAHR), University of Hawai'i at Mānoa	January 2015- July 2017 August 2017-present (tenure-track)

Courses Taught

Course Number and Title (credits)

- NREM 450 Wildlife Ecology & Management (3)
- NREM 494 Environmental Problem Solving (3)
- NREM410 Methods in Population Management & Conservation (4)
- NREM 682 Restoration Ecology (3)
- NREM610 Advanced Methods in Population Management & Conservation (4)
- NREM701 Graduate Seminar (1)

Publications (reverse chronological order)

Books

Book Chapters

Conference Proceedings

1. February 2024. *Optimizing Conservation Actions to Recover Sensitive Species Across Maui Nui*. The Wildlife Society-Western Section. Rohnert Park, California, USA.
2. July 2023. Winter, K., K. Luat-Hū`eu, M.R. Price. *Lessons from Hawai`i: Understanding co-evolutionary relationships between Indigenous cultures and non-native species for more effective conservation*. 13th International Mammalogical Congress. Anchorage, Alaska, USA.
3. June 2023. (2 workshops, 1 presentation as lead author, 6 lab presentations by graduate students). Hawai'i Conservation Conference. Honolulu, Hawai'i, USA.
4. February 2023. *The future is here: Recent declines across multiple Hawaiian taxa suggest potential tipping*

- point from multiple threats, including climate change.* The Wildlife Society Western Section, Riverside, California, USA.
5. December 2022. *The future is here: Recent declines across multiple Hawaiian taxa suggest potential tipping point from multiple threats, including climate change.* Society for Conservation Biology-Oceania Section. Wollongong, Australia.
 6. October 2022. *Women in Science.* Bishop Museum Kāhuli Festival. Honolulu, HI, USA.
 7. October 2022. *Invasive Ungulate Impacts on Rangelands.* Cal-PAC Society for Rangeland Management. Panel. Waimea, HI, USA.
 8. July 2022. *The Future is Here: End-of-Century Models Predict Today's Distribution of Hawaiian Tree Snails.* North America Conference for Conservation Biology. Reno, NV, USA.
 9. February 2022. The Wildlife Society-Western Section. "The Future is Here: End-of-Century Models Predict Today's Distribution of Hawaiian Tree Snails." Reno, NV, USA.
 10. November 2021. *Conservation of our Ahupua'a.* UHM Virtual Conference - UH Innovation: Blending of Culture and Science. Invited Panel Facilitator. Honolulu, HI, USA.
 11. October 2021. *Research for Effective Wildlife Management.* UHM Board of Regents Committee on Research and Innovation. Invited presentation. Honolulu, HI, USA.
 12. July 2021. *Expanding conservation in Hawai'i from local-scale to statewide-scale actions.* Hawai'i Conservation Conference. Invited panelist. Honolulu, HI, USA.
 13. June 2021. *Overview of wildlife research program.* Hawai'i Ecosystems Meeting. Via Zoom.
 14. January 2021. *Potential for Indigenous Practices to Expand Waterbird Habitat in the Face of Rising Seas.* Loma Linda University Seminar Series. Via Zoom.
 15. September, 2020. *Symphony of Hawaiian Biodiversity: Past, Present & Future.* The Exchange, the East-West Center Education Program's signature lecture and performance series. Honolulu, HI, USA.
 16. September, 2020. *Invited panel: Shifting the narrative: Conveying a message of hope in conservation at the advent of the Anthropocene.* Hawai'i Conservation Conference. Honolulu, HI, USA.
 17. August, 2020. *Habitat Use of the Hawaiian Short-eared Owl.* 7th Annual Wildlife Meeting, Hazards at Hawaii Airports. Honolulu, HI, USA.
 18. May, 2020. *Habitat Use of the Hawaiian Short-eared Owl.* Maui Mauka Awareness Training. (via zoom) Maui, HI, USA.
 19. October, 2019. *Seasonal Shifts in Ungulate Distribution on Maui.* Decision Analysis INFORMS Conference. Seattle, WA, USA.
 20. July, 2019. *Prioritizing Conservation Actions Under Multiple Threats.* International Congress for Conservation Biology. Kuala Lumpur, Malaysia.
 21. July, 2019. *Are Future Extinctions Preventable? Living Down Our Title as the Extinction Capital of the World.* Hawai'i Conservation Conference. Honolulu, HI, USA.
 22. June, 2019. *Sea Level Rise Impacts on Waterbird Habitat Across the Hawaiian Islands.* American Ornithological Society. Anchorage, AK, USA.
 23. January, 2018. *Hawaiian Short-eared Owls and Potential Land Use Conflicts.* Environment, Energy, and Natural Resources Section of the Hawaii Bar Association. Honolulu, HI, USA.
 24. November, 2018. *Conservation Beyond the Science: Symphony of the Hawaiian Birds.* Pacific Birds Partners Quarterly Meeting. National Tropical Botanical Garden, Kalaheo, Kaua'i, HI, USA.
 25. November, 2018. *Hawaiian Tree Snails: Current & Future Threats.* NOAA Symposium on Science in Support of Archipelagic Management. Honolulu, HI, USA.
 26. July, 2018. *Predators, Genetics, Climate Change & Extinction.* Society for Conservation Biology-Oceania, Wellington, New Zealand.
 27. June, 2018. *Predators, Genetics, Climate Change & Extinction.* American Malacological Society, Honolulu, HI, USA.
 28. June, 2017. *Predators, Genetics, Climate Change & Extinction.* Evolution Annual Meetings, Portland, OR, USA.
 29. August, 2015. *Hawaiian Tree Snails in a Hot, Dry World.* Hawaii Conservation Alliance Conference, Hilo, HI, USA.
 30. July, 2015. *Hawaiian Tree Snails in a Hot, Dry World.* International Association of Landscape Ecology, Portland, OR, USA.
 31. July, 2014. *Bottleneck Effects In Remnant Populations of Endangered Species May Inhibit Success of Ex Situ Conservation.* Hawaii Conservation Conference, Honolulu, HI, USA.
 32. July, 2014. *Bottleneck Effects In Remnant Populations of Endangered Species May Inhibit Success of Ex Situ*

Conservation. North American Society for Conservation Biology, Missoula, MT, USA.

33. July, 2013. *Low Heterozygosity Suggests Inbreeding Depression in Declining Populations of Wild and Captive-Bred Hawaiian Tree Snails*. Hawaii Conservation Conference, Honolulu, HI, USA.
34. July, 2013 Price, M. R., and M. Hadfield. *Effects of a Severe Bottleneck and Fragmentation in Captive-Bred and Wild Populations of Endangered Hawaiian Tree Snails *Achatinella lila* and *Achatinella sowerbyana**. Evolution Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists, Snowbird, UT, USA.
35. April, 2013. **Plenary Presentation**. *Population Status, Habitat Dependence, Reproductive Ecology, and Population Genetics of the Bahama Oriole: A Critically Endangered Synanthropic Species*. Annual Meeting of the Association of Field Ornithologists, Lake Placid, FL, USA.
36. February, 2013. *Behavioral Ecology of the Bahama Oriole: A Critically Endangered Synanthropic Species*. University of Hawaii at Mānoa Joint Botany/Zoology Seminar Series, Honolulu, HI, USA.

Refereed Journal Publications

Under review

1. Ringma, J., D. Risch, J. O. Hanson, M. Barnes, G. Iacona, **M. R. Price**. Incorporating threat data into spatial prioritizations. Under Review at Biological Conservation.

Accepted

2. Casillas, D., L. Young, K. Harmon, C. Wilhite, **M. R. Price**. Do Recently Translocated Black-footed Albatross (*Phoebastria nigripes*) Chicks Respond to Artificial Social Attraction? *Accepted pending revisions at PeerJ*.
3. Garcia-Heras, M.-S., **M. R. Price**. First description of a double clutch, and inter-island movements of a Pueo (Hawaiian Short-eared Owl) in Hawai‘i, USA. *Accepted to Journal of Raptor Research*.
4. Burton et al. Mammal responses to global changes in human activity vary by trophic group and landscape. *Accepted pending minor revisions to Nature Ecology & Evolution*.
5. Garcia-Heras, M.-S., J. L. Idle, O. Wang, K. C. Harmon, C. J. Wilhite, K. Stormcrow, W. H. Naguwa, L. N. Davidson, **M. R. Price** Predation of the endangered Ae‘o (Hawaiian Stilt) by a native raptor, the Pueo (Hawaiian Short-eared Owl) on the island of O‘ahu, Hawai‘i, USA. *Accepted to Ecology & Evolution*.

Published 2023

6. Friswold, B., J. Idle, J. Learned, J. Penniman, T. Bolosan, J. Cotin, L. Young, **M. R. Price**. From colony to fallout: Spatial distribution of Wedge-tailed Shearwater fledglings reveals risks posed by artificial lights within and among islands. *Accepted at Conservation Science and Practice* e13000:1-14. DOI: 10.1111/csp2.13000.
7. Gallo-Cajiao, E., N. Dolšak, A. Prakash, T. Mundkur, P. G. Harris, R. B. Mitchell, N. Davidson, B. Hansen, B. K. Woodworth, R. A. Fuller, **M. R. Price**, N. R. Petkovk, V. Mauerhofer, T. H. Morrison, J. E. M. Watson, S. U. Chowdhury, C. Zöckler, O. Widerberg, D. L. Yong, J. Piccolo, D. Biggs. Implications of Russia’s invasion of Ukraine for the governance of biodiversity conservation. *Frontiers in Conservation Science* 4:989019. doi: 10.3389/fcosc.2023.989019.
8. Luat-Hū‘eu, K., M. Vaughan, **M. R. Price**, K. B. Winter. Understanding local pig hunter values and practices as a means toward co-management of Hawai‘i’s feral pigs (*Sus scrofa*; pua‘a). *Ecology & Society* 28(2):32.

Published 2022

9. Harmon, K. C., P. A. Awo, M. R. Price. (2022) Foraging behavior of the Black-crowned Night-Heron (‘Auku‘u; *Nycticorax nycticorax hoactli*) in wetlands on O‘ahu, Hawai‘i. *Wilson’s Journal of Ornithology* 134(3):000–000, 2022.
10. Harmon, K. C., E. Opie, K. B. Winter, K. Schultz, **M. R. Price** (2022) Observations of successful nesting attempts by two endangered Hawaiian waterbird species in a restored Indigenous agro-ecosystem. *Wilson Journal of Ornithology* 134 (1): 102–105. <https://doi.org/10.1676/20-00064>.
11. Risch, D. R., S. Honarvar, **M. R. Price** (2022) Environmental drivers of seasonal shifts in abundance of wild pigs (*Sus scrofa*) in a tropical island environment. *Ecological Processes* 11:55.

Published 2021

12. Antaky, C. C., L. Young, J. Ringma, **M. R. Price** (2021) Dispersal under the seabird paradox: Probability, life history, or spatial attributes? *Marine Ornithology* 49:1-8.
13. Christensen, D., K. Harmon, N. Wehr, **M. R. Price** (2021) Mammal-exclusion fencing improves the nesting success of an endangered native Hawaiian waterbird. *PeerJ* 9:e10722 <https://doi.org/10.7717/peerj.10722>.

14. Cove, M. V., R. Kays, H. Bontrager, C. Bresnen, T. Frerichs, R. Klann, T.E. Lee, Jr., S.C. Crockett, A.P. Crupi, K.C.B. Weiss, H. Rowe, T. Sprauge, J. Schipper, C.A. Lepczyk, J.E. Fantle-Lepczyk, S. LaPoint, J. Williamson, M. Fisher-Reid, S.M. King, A.J. Bebeko, P. Chrysfafis, A.J. Jensen, D.S. Jachowski, J. Sands, K.A. MacCombie, D.J. Herrera, M. van der Merwe, R.V. Horan III, M.S. Rentz, L.S.E. Brandt, C. Nagy, B.T. Barton, W.C. Thompson, S.P. Maher, A.K. Darracq, G. Hess, M. Lasky, A. Parsons, B. Wells, G. W. Roemer, C.J. Hernandez, S. L. Webb, J.P. Vanek, D.J.R. Lafferty, A.M. Bergquist, T. Hubbard, T. Forrester, D. Clark, A.N. Facka, M. Halbur, S. Hammerich, M. Gray, C.C. Rega-Brodsky, C. Durbin, E.A. Flaherty, J.M. Brooke, S.S. Coster, R.G. Lathrop, K. Russell, D.A. Bogan, R. Cliché, H. Shamon, M.T.R. Hawkins, S.B. Marks, R.C. Lonsinger, M.T. O'Mara, J.A. Compton, M. Fowler, E.L. Barthelmess, K.E. Andy, J.L. Belant, D.E. Beyer, Jr., T.M. Kautz, D.G. Scognamillo, C. Schalk, M.S. Leslie, S.L. Nasrallah, C.N. Ellison, C. Ruthven, S. Fritts, J. Tleimat, M. Gay, C.A. Whittier, S.A. Neiswenter, R. Pelletier, B.A. DeGregorio, E.K. Kuprewicz, M.L. Davis, A. Dykstra, D.S. Mason, C. Baruzzi, M. Lashley, D.R. Risch, **M.R. Price**, M.L. Allen, L.S. Whipple, J. Sperry, R.H. Hagen, A. Mortelliti, B.E. Evans, C.E. Studds, A.P.K. Sirén, J. Kilborn, C. Sutherland, P. Warren, T. Fuller, N.C. Harris, N.H. Carter, E. Trout, M. Zimova, S.T. Giery, F. Iannarilli, S.D. Higdon, R.S. Revord, M.E. Gompper, C.P. Hansen, J.J. Millspaugh, A. Zorn, J.F. Benson, N.H. Wehr, J.N. Solberg, B.D. Gerber, J.C. Burr, J. Sevin, A.M. Green, Ç.H. Şekercioğlu, M. Pendergast, K.A. Barnick, A.J. Edelman, J.R. Wasdin, A. Romero, B.J. O'Neill, N. Schmitz, J.M. Alston, K.M. Kuhn, D.B. Lesmeister, M.A. Linnell86, C.L. Appel, C. Rota, J.L. Stenglein, C. Anhalt-Depies, C. Nelson, R.A. Long, K.J. Jaspers, K.R. Remine, M.J. Jordan, D. Davis, H. Hernández-Yañez, J. Zhou, W.J. McShea (2021) SNAPSHOT USA: the first coordinated national camera trap survey of the United States. *Ecology* 102(6):e03353. <https://doi.org/10.1002/ecy.3353>.
15. Dibben-Young, A., K. C. Harmon, A. Lunow-Luke, J. Idle, D. Christensen, **M. R. Price**. (2021) Cooperative breeding behaviors in the Hawaiian Stilt (*Himantopus mexicanus knudseni*). *Ecology and Evolution* 11(10):5010–5016. <https://doi.org/10.1002/ece3.7509>.
16. Harmon, K., C. Phipps, E. VanderWerf, B. Chagnon, **M. R. Price**. (2021) First observations of Least Tern (*Sternula antillarum*) eggs and other breeding observations on the island of Oahu. *Wilson Journal of Ornithology*. 133(1):124–127. DOI: 10.1676/20-00006.
17. Harmon, K. C., N. H. Wehr, **M. R. Price** (2021) Seasonal patterns in nest survival of a subtropical wading bird, the Hawaiian Stilt (*Himantopus mexicanus knudseni*). *PeerJ* 9:e10399 <https://doi.org/10.7717/peerj.10399>.
18. Harmon, K. C., K. B. Winter, N. Kurashima, C. H. Fletcher, H. H. Kane, **M. R. Price** (2021) Indigenous practices expand waterbird habitat under rising seas. *Anthropocene* 34:100293. <https://doi.org/10.1016/j.ancene.2021.100293>.
19. Idle, J. L., C. J. Wilhite, K. C. Harmon, B. Friswold, **M. R. Price**. (2021) Wedge-tailed Shearwater (*Ardenna pacifica*) nesting success in human-dominated coastal environments. *PeerJ* 9:e12096. <https://doi.org/10.7717/peerj.12096>.
20. Luat-Hū'eu, K., K. B. Winter, M. Vaughan, N. Barca, M. R. Price (2021) Understanding the co-evolutionary relationships between Indigenous cultures and non-native species can inform more effective approaches to conservation: the example of pigs (pua'a; *Sus scrofa*) in Hawai'i. *Pacific Conservation Biology* 27(4): 442-450. <https://doi.org/10.1071/PC20086>.
21. **Price, M. R.**, Z. H. Forsman, I. Knapp, R. J. Toonen, M. G. Hadfield (2021) Evolutionary genomics of endangered Hawaiian tree snails (Achatinellinae: Achatinellidae) for conservation of adaptive capacity. *PeerJ* 9:e10993. <https://doi.org/10.7717/peerj.10993>.
22. **Price, M. R.**, K. B. Winter, A. Jackson (2021) Towards resilience in the Anthropocene: transforming conservation biology through Indigenous perspectives. *Pacific Conservation Biology* 27:309–319.
23. Risch, D. R., J. Ringma, **M. R. Price** (2021) Global assessment of feral pig impacts on endangered species. *Scientific Reports* 11:13256 <https://doi.org/10.1038/s41598-021-92691-1>.
24. Rivera, S.N., L. B. Fortini, S. Plentovich, **M. R. Price** (2021) Perceived Barriers to the Use of Assisted Colonization for Climate Sensitive Species in the Hawaiian Islands. *Environmental Management*, *In press* <https://doi.org/10.1007/s00267-021-01491-w>.
25. Strouse, E., **M. R. Price**, D. Sischo (2021) Dietary effects on fitness in captive-reared Hawaiian tree snails. *PeerJ* 9:e11789. <http://doi.org/10.7717/peerj.11789>.

Published 2020

26. Antaky, C. C., E. E. Conklin, R. J. Toonen, I. S. S. Knapp, **M. R. Price** (2020) Unexpectedly high genetic diversity in a rare and endangered seabird in the Hawaiian Archipelago. *PeerJ* 8:e8463. <http://doi.org/10.7717/peerj.8463>.
27. Friswold, B., K. Swindle, D. Hyrenbach, **M. R. Price** (2020) Wedge-tailed Shearwater (*Ardenna pacifica*)

fallout patterns inform targeted management. *Marine Ornithology* 48:245–254.

28. Risch, D., J. Ringma, S. Honarvar, **M. R. Price** (2020) A comparison of abundance and distribution model outputs using camera traps and sign surveys for feral pigs. *Pacific Conservation Biology* 26:1–9.
29. Winter, K. B., R. Alegado, B. Bowen, L. Bremer, M. Coffman, M. Cypher, J. Deenik, M. Donahue, K. Falinski, K. Frank, E. Franklin, A. Hewitt, K. Hintzen, R. Kaluhiwa, A. H. Kawelo, K. Kekuewa, K. Kotubetey, K. Kukea-Shultz, N. Kurashima, T. Lee, J. Leong, N. Lincoln, E. Madin, M. McManus, B. Neilson, C. Nelson, R. Okano, A. Olegario, K. Oleson, P. Pascua, **M. R. Price**, F. Reppun, Y. Rii, M. A. Rivera, K. Rodgers, C. Sabine, C. Smith, B. Thomas, T. Ticktin, R. J. Toonen (2020) Resolving pathways towards sustainable futures: A research framework for the Heʻeia National Estuarine Research Reserve. *Ecology & Society* 25(4):15.
30. Winter K. B., N. Lincoln, F. Berkes, A. H. Kawelo, K. Kotubetey, K. Kukea-Shultz, R. Alegado, N. Kurashima, K. Frank, P. Pascua, Y. Rii, F. Reppun, I. Knapp, W. McClatchey, T. Ticktin, C. Smith, E. Franklin, K. Oleson, **M. R. Price**, M. McManus, M. Donahue, K. Rodgers, B. Bowen, C. Nelson, B. Neilson, B. Thomas, J. Leong, E. Madin, M. A. Rivera, K. Falinski, L. Bremer, J. Deenik, S. Gon III, R. Okano, A. Olegario, R. J. Toonen (2020) Ecomimicry in Indigenous resource management: Optimizing ecosystem services to achieve resource abundance in Hawaiʻi. *Ecology & Society* 25(2):26.

Published 2019

31. Antaky, C., N. Galase, **M. R. Price** (2019) Nesting ecology in the Hawaiian population of an endangered seabird, the Band-rumped Storm Petrel (*Oceanodroma castro*). *Wilson Journal of Ornithology* 2:402-406. <https://doi.org/10.1676/18-123>
32. Antaky, C., P. Kitamura, I. Knapp, R. Toonen, **M. R. Price** (2019) The complete mitochondrial genome of the Band-rumped Storm Petrel (*Oceanodromo castro*). *Mitochondrial DNA Part B* 4:1271-1272.

Published 2018

33. **Price, M. R.**, Z. H. Forsman, I. Knapp, R. J. Toonen, M. G. Hadfield (2018) A comparison of mitochondrial genomes from five species in three genera suggests polyphyly in the subfamily Achatinellinae (Gastropoda: Pulmonata: Stylommatophora: Achatinellidae). *Mitochondrial DNA Part B* 3:611-612. DOI: 10.1080/23802359.2018.1473737.
34. Sandlin, M., **M. R. Price**, K. Perez (2018) A Capstone Experience: Impacts of a Behavioral Style Learning Unit on Soft Skill Development and Team Dynamics. *Journal of Agricultural Education*, 59(1):21-34. <https://doi.org/10.5032/jae.2018.01021>.
35. Sato, A. Y., Blaiçh Vaughan, M., **M. R. Price** (2018) Kāhuli: Uncovering Indigenous Ecological Knowledge to Conserve Endangered Hawaiian Land Snails. *Society & Natural Resources* 31(3):320-334.

Published 2017

36. **Price, M. R.**, and W. K. Hayes. (2017) Diverse habitat use during two life stages of the critically Endangered Bahama Oriole (*Icterus northropi*): Community structure, foraging, and social interactions. *PeerJ* 5:e3500. <https://doi.org/10.7717/peerj.3500>.
37. **Price, M. R.**, R. O'Rorke, A. S. Amend, and M. G. Hadfield (2017) Diet selection at three spatial scales: Implications for conservation of an endangered Hawaiian tree snail. *Biotropica* 49:130–136. DOI: 10.1111/btp.12339.
38. **Price, M. R.**, R. J. Toonen. (2017) Scaling up restoration efforts in the Pacific Islands: A call for clear management objectives, targeted research to minimize uncertainty, and innovative solutions to a wicked problem. *Pacific Science* 71(4): 391–399.

Published 2016

39. **Price, M. R.**, Z. H. Forsman, I. Knapp, M. G. Hadfield, R. J. Toonen (2016) The complete mitochondrial genome of *Achatinella mustelina* (Gastropoda: Pulmonata: Stylommatophora). *Mitochondrial DNA: Resources* 1:183–185. DOI: 10.1080/23802359.2016.1149787.
40. **Price, M. R.**, Z. H. Forsman, I. Knapp, R. J. Toonen, M. G. Hadfield (2016) The complete mitochondrial genome of *Achatinella sowerbyana* (Gastropoda: Pulmonata: Stylommatophora). *Mitochondrial DNA Part B* 1:666-668.
41. Sisco, D., **M. R. Price**, and M. G. Hadfield. (2016) Ex situ population genetics of the endangered Hawaiian tree snail species *Achatinella fuscobasis*: Demographic and genetic insights into a captive population decline. *Pacific Science* 70:133-141. DOI 10.2984/70.2.1.

Published 2015

42. O'Rourke, R., G. Cobian, B. S. Holland, **M. R. Price**, V. Costello, and A. S. Amend (2015) Dining local: the microbial diet of a snail that grazes microbial communities is geographically structured. *Environmental Microbiology* 17(5):1753-1764. DOI: 10.1111/1462-2920.12630.
43. **Price M. R.**, C. Person, W. K. Hayes (2015) Geographic variation and genetic structure in the Bahama Oriole (*Icterus northropi*), a critically endangered synanthropic species. *PeerJ* 3:e1421. DOI: 10.7717/peerj.1421.
44. **Price, M. R.**, D. Sischo, M. A. Pascua, and M. G. Hadfield (2015) Demographic and genetic factors in the recovery of *ex situ* populations following a severe bottleneck in fifteen species of Hawaiian tree snails. *PeerJ* 3:e1406 DOI.org/10.7717/peerj.1406.

Published prior to 2015

45. **Price, M. R.** and M. G. Hadfield. (2014) Population genetics and the effects of a severe bottleneck in an *ex situ* population of critically endangered Hawaiian tree snails. *PLoS ONE* 9(12):e114377. DOI: 10.1371/journal.pone.0114377.
46. **Price, M. R.**, V. A. Lee, and W. K. Hayes (2011) Population status, habitat dependence, and reproductive ecology of Bahama Orioles: a critically endangered synanthropic species. *Journal of Field Ornithology* 82(4):366–378.
47. Hayes, W. K., E. D. Bracey, **M. R. Price**, V. Robinette, E. Gren, and C. Stahala (2010) Population status of the Chuck-will's-widow (*Caprimulgus carolinensis*) in the Bahamas. *Wilson Journal of Ornithology* 122(2):381–384.
48. **Price, M. R.** and W. K. Hayes (2009) Conservation taxonomy of the Greater Antillean Oriole (*Icterus dominicensis*): diagnosable plumage variation among allopatric populations supports species status. *Caribbean Ornithology* 22:19–25.

Extension Publications

TECHNICAL PAPERS & REPORTS

1. Cotin, J., K. E. Davis†, A. Siddiqi†, M. R. Price. 2018. Breeding phenology and daily activity of the Hawaiian Short-eared Owl (*Asio flammeus sandwichensis*) on O'ahu. Department of Land and Natural Resources, Division of Forestry & Wildlife.
2. Ringma, J., D. Risch*, M. R. Price. 2018. Ecological Modelling of Optimal Pig Management Strategies for Recreational Hunting and Conservation Purposes on O'ahu: Feral Pig Impacts to Endangered and Protected Species. Department of Land and Natural Resources, Division of Forestry & Wildlife.
3. Cotin, J., A. Siddiqi†, J. Misaki†, M. R. Price. 2018. Population size, distribution and habitat use of the Hawaiian Short-eared Owl (*Asio flammeus sandwichensis*) on O'ahu. Department of Land and Natural Resources, Division of Forestry & Wildlife.
4. Ringma, J., D. Risch*, M. R. Price. 2017. Ecological Modeling of Optimal Pig Management Strategies for Recreational Hunting and Conservation Purposes: Feral Pig Distribution Models. Department of Land and Natural Resources, Division of Forestry & Wildlife.

Creative Works (i.e., Extension Videos, Websites, Blogs, Creative Designs and Exhibitions, etc.)

1. Hawai'i Waterbirds: <https://www.hiwaterbirds.com>
Website provides educational information regarding native Hawaiian waterbirds, and a reporting portal for occurrences of avian botulism.
2. Hawai'i Ungulates: <https://www.hawaiiungulates.com>
Website provides educational information about Hawai'i's wild invasive ungulates (pigs, deer, goats, sheep, cattle), and connects interested persons with diverse stakeholders including state and federal natural resource managers, hunting groups, and producers.
3. Symphony of the Hawaiian Birds: <http://www.symphonyofhawaiianbirds.com/>

Leadership Roles (Committees, Boards, Advisory, etc.)

- 2021-present Editorial Board, *Conservation Science & Practice*
- 2021 Guest editor, *Pacific Conservation Biology: Transforming Conservation Biology Through Indigenous Perspectives*
- 2019-2023 Vice-President for Programs, Society for Conservation Biology Board of Governors

- 2019-present Member (Chair 2022-present) NREM department Curriculum Committee
- 2017-present Faculty mentor for Hawai‘i chapter of the Society for Conservation Biology
- 2017-present Co-creator and coordinator of Symphony of the Hawaiian Birds, Symphony of the Hawaiian Forests
- 2018 Guest editor, Pacific Science Special Collection: Scaling Up Restoration Efforts in the Pacific Region
- 2017-2019 College-designated lead on campus-wide sustainability efforts
- 2015-2017 Member, Hawaii Conservation Alliance Nāhululehiwakuipapa Next-Generation Subcommittee

Professional Organizations

- 2014-present Society for Conservation Biology
 - 2019-2023 Vice-President for Programs, Board of Governors
 - 2017-present Faculty Sponsor, Hawai‘i Chapter of the Society for Conservation Biology
- 2016-present The Wildlife Society
- 2013-2018 Society for the Study of Evolution
- 2015-2017 International Association for Landscape Ecology
- 2008-2014 Association of Field Ornithologists
- 2008-2013 American Ornithologists Union
- 2008-2013 Wilson Ornithological Society
- 2003-2013 National Geographic Society
- 2002-2008 National Science Teachers Association

Graduate Students

<u>Category</u>	<u>Current Number of Students</u>	<u>Number Graduated (Career)</u>
<i>Chair</i> of Master’s Committees	7	15
<i>Chair</i> of PhD Committees	0	1
Member of Master’s Committees	0	5
Member of PhD Committees	1	0

Grant Support

\$349,979. 2022-2025. USDA Western Sustainable Agriculture Research and Education. Wildlife Impacts on Agroecosystems and Culture: Achieving Integrated Pest Management of Invasive Ungulates in Hawai‘i. (M. R. Price, K. Cairns, D.Risch, S. Shwiff, D., K. Steensma, M. Thorne).

\$294,464. 2022-2024. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Ungulate Distribution Models for Wildlife Conservation and Recreational Hunting, Hawai‘i Island. (M. R. Price, D. Risch).

\$177,286. 2022-2024. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Development of methods to help State natural resource managers optimally allocate conservation effort on three islands, Maui, Moloka‘i, and Lāna‘i. (M. R. Price, T. Martin, A. Camaclang).

\$5,000. 2021-2022. Ducks Unlimited. Hawaiian Islands Botulism Alert System. (M. R. Price, M. Staab, K. Harmon)

\$25,000. 2021-2022. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Breeding biology of Hawaiian Short-eared Owls (*Asio flammeus sandwichensis*). (M. R. Price, O. Wang, S.-M. Garcia-Heras)

\$39,048. 2021-2022. Department of Defense, Joint Base Pearl Harbor-Hickam, Army Corps of Engineers. Habitat use and nesting biology of Hawaiian Short-eared Owls (*Asio flammeus sandwichensis*) on O‘ahu. (M. R. Price, O. Wang, S.-M. Garcia-Heras)

\$100,000. 2020-2024. Arleone Dibbens-Young (private donor). Nene O Molokai Research Fund. (M. R. Price, K. Harmon)

\$198,245. 2020-2023. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Enhancing Protection of a Key Wetland for Endangered Hawaiian Waterbirds. (M. R. Price, L. Nietmann, K.

Harmon)

\$19,924. 2020-2021. Ducks Unlimited. Hawaiian Islands Botulism Alert System.

\$50,000. 2020-2021. Department of Defense, Joint Base Pearl Harbor-Hickam, Army Corps of Engineers. Habitat use and nesting biology of Hawaiian Short-eared Owls (*Asio flammeus sandwichensis*) on O'ahu. (M. R. Price, J. Cotin, C. Wilhite)

\$4,452. 2020. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Ungulate Distribution Models for Wildlife Conservation and Recreational Hunting. (M. R. Price, J. Omick, D. Risch)

\$218,380. 2020-2022. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Ungulate Distribution Models for Wildlife Conservation and Recreational Hunting, Kaua'i & Lāna'i. (M. R. Price, S. Honarvar, D. Risch)

\$36,000. 2019-2020. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Ecological Modelling of Optimal Pig Management Strategies for Recreational Hunting and Conservation Purposes on Maui and Kauai. (M. R. Price, S. Honarvar)

\$231,640. 2019-2020. Army Corps of Engineers, Joint Base Pearl Harbor Hickam Marine Base. FY 19 Pueo Study Joint Base Pearl Harbor Hickam Marine Base (M. R. Price, J. Cotin, C. Wilhite)

\$18,000. 2019. Division of Forestry & Wildlife, Hawaii Department of Land & Natural Resources. Implementation of Bird Surveys: Hawai'i island. (M. R. Price, J. Cotin)

\$174,878. 2019-2021. Sustainable Resources Group Intn'l, Inc. Endangered Waterbird Research and Monitoring at Marine Corps Base Hawaii. (M. R. Price, K. Harmon)

\$69,493. 2019-2021. Division of Forestry & Wildlife, Hawaii Department of Land & Natural Resources. Population Modeling & Genetics for the Reintroduction of four Endangered Tree-snail Species in the Koolau Mountains of Oahu. (M. R. Price, P. Kitamura)

\$50,000. 2018-2019. Division of Forestry & Wildlife, Hawaii Department of Land & Natural Resources. Impacts of Water Levels & Water Quality on Habitat Use of Hawaiian Waterbirds in Kawainui Marsh. (M. R. Price, K. Harmon)

\$68,257. 2018. Division of Forestry & Wildlife, Hawaii Department of Land & Natural Resources. Implementation of the Statewide Bird Surveys: Hawaii Island & Oahu. (M. R. Price, J. Cotin)

\$50,000. 2018-2019. Department of Defense, Joint Base Pearl Harbor-Hickam. Habitat use and nesting biology of Hawaiian Short-eared Owls (*Asio flammeus sandwichensis*) on O'ahu. (M. R. Price, J. Cotin, C. Wilhite)

\$49,755. 2018-2021. US Department of Agriculture (USDA) Western Sustainable Agriculture Research & Education (WSARE). Pest reduction on agricultural lands due to Hawaiian Short-eared Owls (OW18-017; M. R. Price, K. Steensma, J. Cotin)

\$278,688. 2018-2022. US Department of Agriculture (USDA) National Institute of Food & Agriculture (NIFA) Research and Extension Experiences for Undergraduates (REEU). Experiential Learning 4 Resilient C: Culture, Community, Conservation, & Climate. (T. Idol, C. Evensen, N. Lincoln, M. Price, Y. P. Tsang, M. Vaughan)

\$93,016. 2017-2019. Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources. Ecological Modelling of Optimal Pig Management Strategies for Recreational Hunting and Conservation Purposes on Maui and Kauai. (M. R. Price & J. Ringma)

\$31,500. 2017. Division of Forestry & Wildlife, Hawaii Department of Land & Natural Resources. Ground-truthing Feral Pig Impact. (M. R. Price & J. Ringma)

\$98,794. 2016-2017. Division of Forestry & Wildlife, Hawaii Department of Land & Natural Resources. Ecological Modeling of Optimal Pig Management Strategies for Recreational Hunting and Conservation Purposes on Oahu. (M. R. Price & J. Ringma)

\$71,715. 2016-2017. Hawaii Department of Land and Natural Resources. Development of standardized survey tools for use in evaluating population size, distribution, and habitat use of Hawaiian Short-eared Owls (*Asio flammeus sandwichensis*) on O'ahu. (M. R. Price)

\$48,000. 2016-2019. US Fish and Wildlife Service. Phylogeny and adaptive variation within a cryptic and threatened Hawaiian Seabird. (M. R. Price & C. Antaky*)

\$500. 2016-2017. Hawaii Audubon Society. Habitat use within a cryptic and threatened Hawaiian Seabird. (M. R. Price & C. Antaky*)

\$56,285. 2015–2017. Oahu Army Natural Resources Program. Fine-scale analysis of adaptive genes and phylogenetics in the critically endangered Hawaiian Tree Snail *Achatinella mustelina* using next-generation sequencing. (Written by M. R. Price with Principle Investigator Dr. Michael Hadfield)

\$77,166. 2015–2017. US Fish and Wildlife. Vulnerability of Hawaiian Tree Snails (*Achatinellinae*) to Climate Change and the Genetic Potential for Adaptation. (Written by M.R. Price with Principle Investigator Dr. Michael Hadfield)

\$54,751. 2014–2015. Oahu Army Natural Resources Program. Vulnerability of critically endangered Hawaiian Tree Snail *Achatinella mustelina* to Climate Change and the Genetic Potential for Adaptation. (Written by M.R. Price with Principle Investigator Dr. Michael Hadfield)

\$5,600. 2008. Insular Species Conservation Society. Saving a treasure: differential habitat use and conservation of the Bahama Oriole (*Icterus dominicensis northropi*). (Written by M. R. Price with Principle Investigator Dr. William K. Hayes)

Internal (within-university) Funding

\$125,000. 2018-2023. Formula Funds. Human-Wildlife Interactions in Hawaii: Conflict Mitigation, Conservation, and Pest Management. (M. R. Price & M. Vaughan)

\$300,000. 2017-2019. University of Hawai'i at Mānoa Strategic Investment Award. Engaging Sustainability: Hui Aina Momona. (R. A. Alegado, C. K. Baker, C. L. Evensen, O. Francis, N. Goodyear-Kaopua, U. Hasager, J. Kauakua, K. Kikiloi, A. H. Kimura, N. Lincoln, D. Pokaikai, J. Padwe, M. Price, N. Puniwai, S. E. Schimmel, S. M. Wiebe.

\$50,000. 2017-2019. University of Hawai'i at Mānoa Strategic Investment Award. Symphony of Hawaiian forest birds. (T. Itoh, M. R. Price, C. Frambaugh-Kritzer, R. Nakama)

\$7000. 2017-2018. College of Tropical Agriculture and Human Resources, Extension Funds, plus Vice-Chancellor of Research Funds. National Conservation Training Center, Structured Decisions Workshop, Hawaii. (M. R. Price, K. Oleson, E. Paxton)

\$125,000. 2016-2021. McIntire-Stennis Cooperative Research Forestry Program. Water Diversions: Economic Opportunities and Ecological Trade-offs. (Principal Investigators C. Chan, M. R. Price, Y. Tsang, with graduate student K. Corey*)

\$100,000. 2016-2021. McIntire-Stennis Cooperative Research Forestry Program, Forest conservation and hunter access. Can we protect critical forest resources AND increase hunter satisfaction? (Principal investigators M. Vaughan, M. R. Price, with postdoctoral fellow J. Ringma)

Professional Workshops

2018. Workshop Co-Coordinator, Structured Decision-Making in the Hawaiian Islands

2017. Workshop Lead Coordinator, Conservation Genetics

2017. Workshop Coordinator Mentor, Assisted Colonization