**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**

|  |  |  |
| --- | --- | --- |
| **Degree** | **University** | **Major** |
| **B.S.** | Walla Walla University, College Place, WA | Biology |
| **Ph.D.** | Loma Linda University, Loma, Linda, CA | Biology |

**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**

|  |  |  |
| --- | --- | --- |
| **Title** | **Employer** | **Dates Employed** |
| 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 2017August 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

NREM 682 Restoration Ecology (3)

NREM610 Advanced Methods in Population Management & Conservation

**Publications (reverse chronological order)**

Books

Book Chapters

Conference Proceedings

Refereed Journal Publications

Under review

1. Harmon, K. C., P. A. Awo, **M. R. Price**. Effects of time of day on foraging behavior of the Black-crowned Night Heron (Auku‘u; *Nycticorax nycticorax hoactli*) in Hawaiian Wetlands. Under review at Wilson’s Journal of Ornithology.
2. Luat-Hūʻeu, K., M. Vaughan, **M. R. Price**, K. B. Winter. Understanding local pig hunter values and practices as a means toward comanagement of Hawaiʻi's feral pigs (*Sus scrofa*; puaʻa). Under review at Ecology & Society.
3. 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

1. **Price, M. R.,** Winter, K. B., Jackson, A.-M. Resilience in the Anthropocene: Transforming conservation biology through Indigenous perspectives. Accepted, Pacific Conservation Biology.

Published 2021

1. 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.
2. 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.
3. 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. Bebko, P. Chrysafis, 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-Yáñez, 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.
4. Friswold, B., J. Idle, J. Learned, J. Penniman, T. Bolosan, J. Cotin, L. Young, **M. R. Price** (2021) From colony to fallout: Spatial distribution of Wedge-tailed Shearwater fledglings reveal risks posed by artificial lights within and among islands. Anthropocene, *Accepted pending revisions*.
5. Harmon, K. C., E. Opie, K. B. Winter, K. Schultz, **M. R. Price** (2021) Observations of successful nesting attempts by two endangered Hawaiian waterbird species in a restored Indigenous agro-ecosystem. Wilson Journal of Ornithology, *in press*.
6. 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, *in press*.
7. 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 J 9:e10399 https://doi.org/10.7717/peerj.10399.
8. 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.
9. 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.
10. **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.peerj.com/articles/10993/.
11. 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.
12. 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.
13. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. 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

1. Antaky, C., N. Galase, **M. R. Price** (2019) Nesting ecology in the Hawaiian population of an endangered seabird, the Band-rumped Storm Petrel (*Oceanodrama castro*). Wilson Journal of Ornithology 2:402-406. <https://doi.org/10.1676/18-123>
2. 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

1. **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.
2. 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.
3. Sato, A. Y., Blaich 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

1. **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.
2. **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.
3. **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

1. **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.
2. **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.
3. Sischo, 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

1. O’Rorke, 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.
2. **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](https://dx.doi.org/10.7717/peerj.1421).
3. **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

1. **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.
2. **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.
3. 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.
4. **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.

1. 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.

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 of NREM department Curriculum Committee

• 2017 to present Faculty mentor for Hawaiʻi chapter of the Society for Conservation Biology

• 2017-present Co-creator and coordinator of Symphony of the Hawaiian Birds

• 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 Nāhululeihiwakuipapa Next-Generation

 Subcommittee

Professional Organizations

2014-present Society for Conservation Biology: 2019-2023 Vice-President for Programs, Board of Governors; 2017-present Faculty Sponsor, Hawaiʻi Chapter

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**

|  |  |  |
| --- | --- | --- |
| Category | Current Number of Students | Number Graduated (Career) |
| *Chair* of Master’s Committees | 17 | 9 |
| *Chair* of PhD Committees | 2 | 0 |
| Member of Master’s Committees | 5 | 5 |
| Member of PhD Committees | 0 | 0 |

**Grant Support**

$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. Antacky\*)

$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)

**Presentations at Conferences**

1. November 2021. *Conservation of our Ahupua'a*. UHM Virtual Conference - UH Innovation: Blending of Culture and Science. Invited Panel Facilitator. Honolulu, HI, USA.
2. October 2021. *Research for Effective Wildlife Management*. UHM Board of Regents Committee on Research and Innovation. Invited presentation. Honolulu, HI, USA.
3. July 2021. *Expanding conservation in Hawai‘i from local-scale to statewide-scale actions*. Hawai‘i Conservation Conference. Invited panelist. Honolulu, HI, USA.
4. June 2021. *Overview of wildlife research program*. Hawai‘i Ecosystems Meeting. Via Zoom.
5. January 2021. *Potential for Indigenous Practices to Expand Waterbird Habitat in the Face of Rising Seas*. Loma Linda University Seminar Series. Via Zoom.
6. 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.
7. 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.
8. August, 2020. *Habitat Use of the Hawaiian Short-eared Owl*. 7th Annual Wildlife Meeting, Hazards at Hawaii Airports. Honolulu, HI, USA.
9. May, 2020. *Habitat Use of the Hawaiian Short-eared Owl*. Maui Mauka Awareness Training. (via zoom) Maui, HI, USA.
10. October, 2019. *Seasonal Shifts in Ungulate Distribution on Maui*. Decision Analysis INFORMS Conference. Seattle, WA, USA.
11. July, 2019. *Prioritizing Conservation Actions Under Multiple Threats*. International Congress for Conservation Biology. Kuala Lumpur, Malaysia.
12. July, 2019. *Are Future Extinctions Preventable?* *Living Down Our Title as the Extinction Capital of the World*. Hawai‘i Conservation Conference. Honolulu, HI, USA.
13. June, 2019. *Sea Level Rise Impacts on Waterbird Habitat Across the Hawaiian Islands*. American Ornithological Society. Anchorage, AK, USA.
14. 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.
15. 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.
16. November, 2018. *Hawaiian Tree Snails: Current & Future Threats.* NOAA Symposium on Science in Support of Archipelagic Management. Honolulu, HI, USA.
17. July, 2018. *Predators, Genetics, Climate Change & Extinction.* Society for Conservation Biology-Oceania, Wellington, New Zealand.
18. June, 2018. *Predators, Genetics, Climate Change & Extinction.* American Malacological Society, Honolulu, HI, USA.
19. June, 2017. *Predators, Genetics, Climate Change & Extinction.* Evolution Annual Meetings, Portland, OR, USA.
20. August, 2015. Hawaiian Tree Snails in a Hot, Dry World. Hawaii Conservation Alliance Conference, Hilo, HI, USA.
21. July, 2015. *Hawaiian Tree Snails in a Hot, Dry World.* International Association of Landscape Ecology, Portland, OR, USA.
22. July, 2014. *Bottleneck Effects In Remnant Populations of Endangered Species May Inhibit Success of Ex Situ Conservation.* Hawaii Conservation Conference, Honolulu, HI, USA.
23. 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.
24. July, 2013. *Low Heterozygosity Suggests Inbreeding Depression in Declining Populations of Wild and Captive-Bred Hawaiian Tree Snails.* Hawaii Conservation Conference, Honolulu, HI, USA.
25. 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.
26. 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.
27. 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.

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