

Curriculum Vitae – Dr. Eric A. VanderWerf

[REDACTED]

EDUCATION:

University of Hawaii at Manoa, Department of Zoology, Ecology, Evolution and Conservation Biology Program. August 1992 to August 1999. Ph.D. in Zoology.

University of Florida, Gainesville, Department of Zoology. August 1989-August 1992. M.S. in Zoology.

Organization for Tropical Studies, Costa Rica. June-August 1990. Tropical Ecology, 8 semester hours.

University of Maine, Machias, Maine. Institute for Field Ornithology. June 1985. 3 semester hours.

Cornell University, Ithaca, New York. August 1984-May 1988. B.S. in Biology.

The Harley School, Rochester, New York. August 1980-June 1984. High School Diploma.

WORK EXPERIENCE:

Pacific Rim Conservation, President and co-founder, Honolulu, Hawaii, October 2006-present.

Research, surveys, monitoring, and management of Hawaiian forest birds, wetland birds, seabirds and bats in Hawaii and the tropical Pacific; See <http://pacificrimconservation.com/> for more details.

U.S. Fish and Wildlife Service, Hawaiian Bird Recovery Coordinator, Honolulu, Hawaii, July 2000-September 2006.

Wrote recovery plans for Hawaiian forest birds and waterbirds, wrote critical habitat rules, designed and assisted bird conservation projects. Conducted surveys and developed survey methods for forest birds, seabirds, and wetland birds in Hawaii and in the Mariana Islands. Conducted consultations regarding endangered species and provided recommendations for management.

U.S. Army Environmental Division and Wil Chee- Planning, Inc., Honolulu, Hawaii, November 1999-July 2000.

Designed and conducted study on effects of artillery training noise on endangered forest birds.

Hawaii Division of Forestry and Wildlife, Wildlife Biologist II, Honolulu, Hawaii, January-June 2000
Conducted surveys, research, and management for native forest birds and seabirds on Kure Atoll and Oahu, Hawai'i.

University of Hawaii, Department of Zoology, Graduate Research Assistant, Honolulu, Hawaii, January 1994-July 1999. Conducted surveys and research on the demography and conservation of the O'ahu 'Elepaio, an endangered forest bird. Conducted Ph.D. research on effects of habitat disturbance and disease on demography of Hawaii 'Elepaio at Hakalau Forest National Wildlife Refuge. Helped in construction of biological field station including pouring cement, framing, and basic carpentry. Assisted with research on demography and disease in several species of Hawaiian forest birds, including mist-netting, banding, and collecting blood samples.

TEACHING EXPERIENCE:

University of Hawaii, Teaching Assistant for Animal Ecology, Human Anatomy and Physiology, and Introductory Zoology courses, 1992-1993, 1996. Taught labs of 15-25 students, gave lab lectures, lead field trips, wrote and graded exams, quizzes, and lab reports.

University of Florida, Teaching Assistant for Avian Biology and Introductory Biology courses, 1989-1991. Taught labs of 20-25 students, lead field trips, designed and wrote lab exercises, gave lab lectures, helped write and grade lecture exams, lab practical exams, and quizzes.

Hawaii Audubon Society, field trip leader, 1993-1994, 1998-1999. Lead field trips to Aiea Loop Trail, Pia Valley, and Hakalau Forest National Wildlife Refuge.

Santa Fe Community College, Gainesville, Florida, 1989-1991. Instructor for continuing education classes on beginning and advanced bird-watching. Lead field trips to various locations near Gainesville, Florida, gave lectures on bird identification, natural history, and behavior.

Genesee Ornithological Society, Rochester, New York, field trip leader, 1982-1983. Lead field trips to various locations near Rochester, New York.

TRAINING:

U.S. Fish and Wildlife Service, National Conservation Training Center. Interagency Consultation for Endangered Species. April 15-19, 2002. Honolulu, Hawaii.

Occupational Safety and Health Administration (OSHA), Hazardous Waste and Operations and Emergency Response. 16-20 July 2001, Honolulu, Hawaii.

Occupational Safety and Health Administration (OSHA), Incident Command 1. 19-20 July 2001. Honolulu, Hawaii.

Oiled Wildlife First Responder, International Bird Rescue Research Center (IBRRC). 8-9 May 2001, Honolulu, Hawaii.

U.S. Fish and Wildlife Service, National Conservation Training Center. Endangered Species Listing and Candidate Assessment. June 25-29, 2001. Shepherdstown, West Virginia.

Office of Aircraft Services (OAS), Basic Aviation Safety, Water Ditching and Survival. 2001-2004, Honolulu, Hawaii.

U.S. Fish and Wildlife Service, National Conservation Training Center. Scientific Principles and Techniques for Endangered Species. August 21-25, 2000. Honolulu, Hawaii.

SYNERGISTIC ACTIVITIES

- **Team Leader:** Hawaiian Forest Bird Recovery Team, U.S. Fish and Wildlife Service, 2004-present.
- **Associate Editor:** The Condor- Ornithological Applications, Cooper Ornithological Society
- **Associate Editor:** The Birds of North America, Hawaiian bird species.
- **Grant Proposal Reviewer:** National Science Foundation, U.S. Fish and Wildlife Service, National Park Service, National Fish and Wildlife Foundation, U.S. Geological Survey Biological Resources Division, National Geographic.
- **Journal Reviewer:** for >20 journals, approximately 5 articles per year since 1995.

PUBLICATIONS and TECHNICAL REPORTS:

VanderWerf, E. A., L. H. Crampton, J. S. Diegmann, C. T. Atkinson, and D. L. Leonard. 2014. Survival estimates of wild and captive-released Puaiohi, an endangered Hawaiian thrush. *Condor* 116:609-618.

Marie, A., VanderWerf, E.A., Young, L.C., Smith, D.G., Eijzenga, J., and M.T. Lohr. 2014. Response of Wedge-tailed Shearwaters to Eradication of Black Rats from Moku`auia Island after Reinvasion. *Pacific Science* 68:547-553.

VanderWerf, E. A. 2014. Assessment of Palmyra Atoll as a Translocation Site for the Bokikokiko or Line Island Warbler. Unpublished report prepared for Island Conservation, the U.S. Fish and Wildlife Service, and The Nature Conservancy. 29 pp.

Young, L. C., E. A. VanderWerf, C. Granholm, H. Osterlund, K. Steutermann, and T. Savre. 2014. Breeding performance of Laysan Albatrosses *Phoebastria immutabilis* in a foster parent program. *Marine Ornithology* 42:99-103.

VanderWerf, E. A. L. C. Young, S. E. Crow, E. Opie, H. Yamazaki, C. J. Miller, D. G. Anderson, L. S. Brown, D. G. Smith, and J. Eijzenga. 2014. Increase in Wedge-tailed Shearwaters and changes in soil nutrients following removal of alien mammalian predators and nitrogen-fixing plants at Kaena Point, Hawaii. *Restoration Ecology* 22:676-684. DOI 10.1111/rec.12126.

Shaffer, S.A., Clatterbuck, C.A., Kelsey, E.C., Naiman, A., Young, L.C. Vanderwerf, E.A., Warzybok, P., Bradley, R., Jahncke, J., and Bower, G.C. 2014. As the egg turns: Monitoring egg attendance behavior in wild birds using novel data logging technology. *PLOS One* 9:e97898.

VanderWerf, E. A., and L. C. Young. 2014. Breeding biology of Red-tailed Tropicbirds *Phaethon rubricauda* and response to predator control on O`ahu, Hawai'i. *Marine Ornithology* 42:73-76.

Pohlman, K., and E. A. VanderWerf. 2014. First record of a Terek Sandpiper in the Hawaiian Islands. *'Elepaio* 74(4):1-2.

- Young, L.C., and E.A. VanderWerf. 2014. Adaptive value of same-sex pairing in Laysan albatross. *Proceedings of the Royal Society Series B* 281:20132473.
- Young, L.C., E.A. VanderWerf, M.T. Lohr, C.J. Miller, A.J. Titmus, D. Peters, and L. Wilson. 2013. Multi-species predator eradication within a pest-proof fence at Ka'ena Point, Hawai'i. *Biological Invasions* 15:2627-2638.
- VanderWerf, E.A., M.T. Lohr, A.J. Titmus, P.E. Taylor, and M.D. Burt. 2013. Current distribution and abundance of the O'ahu 'Elepaio (*Chasiempis ibidis*). *Wilson Journal of Ornithology* 125:600-608.
- Lohr, M., L.C. Young, E.A. VanderWerf, C.J. Miller, and H. Leong. 2013. Dietary analysis of free-ranging feral cats at Ka'ena Point, Hawai'i. *'Elepaio* 73(3):1-3..
- VanderWerf, E.A. 2013. Hawaiian Bird Conservation Action Plan. Pacific Rim Conservation, Honolulu, HI and U.S. Fish and Wildlife Service, Portland, OR. Available at: http://www.pacificrimconservation.com/planning_coordination.html
- Reed, J. M., D. W. Desrochers, E. A. VanderWerf, and J. M. Scott. 2012. Long-term persistence of Hawaii's endangered avifauna through conservation-reliant management. *Bioscience* 62:881-892.
- VanderWerf, E. A. 2012. Evolution of nesting height in an endangered Hawaiian forest bird in response to a non-native predator. *Conservation Biology* 26:905-911.
- Vetter, J. P, Swinnerton, K. J., VanderWerf, E. A., Garvin, J. C., Mounce, H. L., Breniser, H. E., Leonard, D. L., and Fretz, J. S. 2012. Survival estimates for two Hawaiian honeycreepers. *Pacific Science* 66:299-309.
- Pitt, W. L., L. C. Driscoll, and E. A. VanderWerf. 2011. A rat-resistant artificial nest box for cavity-nesting birds. *Human-Wildlife Interactions* 5:100-105.
- VanderWerf, E. A. 2011. Ecogeographic patterns of morphological variation in elepaios (*Chasiempis* spp.): Bergmann's, Allen's, and Gloger's rules in a microcosm. *Ornithological Monographs* 73:1-34.
- VanderWerf, E. A., S. M. Mosher, M. D. Burt, and P. E. Taylor. 2011. Current distribution and abundance of O'ahu 'Elepaio (Aves: Monarchidae) in the Wai'anae Mountains. *Pacific Science* 65:311-319.
- VanderWerf, E. A., S. M. Mosher, M. D. Burt, P. E. Taylor, and D. Sailer. 2011. Variable efficacy of rat control in conserving O'ahu 'Elepaio populations. Pp. 124-130 in, Veitch, C. R., M. N. Clout, and D. R. Towns (eds.), *Island Invasives: Eradication and Management*. IUCN, Gland Switzerland.
- VanderWerf, E. A., and L. C. Young. 2011. Estimating survival and life stage transitions in the Laysan Albatross using multi-state mark-recapture models. *Auk* 128:726-736.
- VanderWerf, E. A., L. C. Young, and C. Blackburn. 2011. First record of Tristram's Storm-petrel in the Southeastern Hawaiian Islands. *'Elepaio* 71(7):41-43.
- Russell, T. A., and E. A. VanderWerf. 2010. Red-footed Booby *Sula sula* breeding success at Ulupa'u Crater, Marine Corps Base Hawaii. *Marine Ornithology* 38:129-131.
- VanderWerf, E. A., and L. C. Young. 2010. Surveys of endangered Procellariiformes and recommendations to minimize potential take, effects of radar transmission on Hawaiian hoary bat activity, and invasive weed control at Koke'e Air Force Station and microwave antenna site. Unpublished report prepared for the U.S. Air Force and Air National Guard, Solicitation Number FA5215-09-T-0027. Pacific Rim Conservation, June 2010, 34 pp.
- VanderWerf, E.A., Young, L.C., Yeung, N.W., and Carlon, D.B. 2009. Stepping stone speciation in Hawaii's flycatchers: Molecular divergence supports new island endemics within the elepaio. *Conservation Genetics*.
- VanderWerf E. A. 2009. Importance of nest predation by alien rodents and avian poxvirus in conservation of Oahu elepaio. *Journal of Wildlife Management* 73:737-746.
- Young, L.C., VanderWerf, E.A., Smith, D.G., Polhemus, J., Swenson, N., Swenson, C., Liesemeyer, B.R., Gagne, B., and Conant, S. 2009. Demography and Natural History of Laysan Albatross on Oahu, Hawaii. *Wilson Journal of Ornithology*. 121:722-729.
- VanderWerf, E. A. 2008. Sources of variation in survival, recruitment, and natal dispersal of the Hawai'i 'Elepaio. *Condor* 110:241-250.
- VanderWerf, E. A., B. L. Becker, J. Eijzenga, and H. Eijzenga. 2008. Nazca Booby *Sula Granti* and Brewster's Brown Booby *Sula Leucogaster Brewsteri* in the Hawaiian Islands and Johnston and Palmyra Atolls. *Marine Ornithology* 36: 67-71.
- VanderWerf, E., L. Young, and B. Keitt. 2008. Predator-proof Fencing for Invasive Species Control in

- Hawaii: A Comprehensive Prioritization and Implementation Plan to protect native species. Unpublished report prepared for the Department of Defence Legacy Resource Management Program, project number W912DY-07-2-0003.
- Young, L. C., and E. A. VanderWerf. 2008. Prevalence of avian pox virus and effect on the fledging success of Laysan Albatross. *Journal of Field Ornithology* 79:93–98.
- Young, L.C., B.J. Zaun and E.A. VanderWerf. 2008. Successful same-sex pairing in Laysan Albatross. *Biology Letters*. 4:323-325.
- VanderWerf, E. A. 2007. Biogeography of `Elepaio: evidence from inter-island song playbacks. *Wilson Journal of Ornithology* 119:325-333.
- VanderWerf, E. A. 2007. 2005 bird surveys in the Republic of Palau, final Report. Unpublished report prepared for the U.S. Fish and Wildlife Service and the Palau Conservation Society. Pacific Rim Conservation, Honolulu, Hawaii, May 2007. 88 pp.
- VanderWerf, E. A., F. A. Amidon, and A. P. Marshall. 2007. Tinian Monarch post-delisting monitoring progress report and trip report for 7-17 March 2007. Pacific Rim Conservation and U.S. Fish and Wildlife Service, Honolulu, Hawaii, March 2007.
- VanderWerf, E.A., K.R. Wood, C.S. Swenson, M. LeGrande, H. Eijzenga, and R.L. Walker. 2007. Avifauna and Conservation Assessment of Lehua Islet, Hawai`i. *Pacific Science* 61:39-52.
- VanderWerf, E. A., and L. C. Young. 2007. The Red-billed Tropicbird in Hawaii, with notes on interspecific behavior of tropicbirds. *Marine Ornithology* 35:81-84.
- U.S. Fish and Wildlife Service. 2006. Final Revised Recovery Plan for Hawaiian Forest Birds. U.S. Fish and Wildlife Service, Portland, Oregon. 508 pp.
- VanderWerf, E.A. 2006. Observations on the birds of Kwajalein Atoll, including six new records for the Marshall Islands. *Micronesica* 38:221-237.
- VanderWerf, E.A., M.D. Burt, J.L. Rohrer, and S.M. Mosher. 2006. Distribution and prevalence of mosquito-borne diseases in O`ahu `Elepaio. *Condor* 108:770-777.
- VanderWerf, E.A., M.D. Burt, J.L. Rohrer, and S.M. Mosher. 2006. Distribution and prevalence of mosquito-borne diseases in O`ahu `Elepaio. *Condor* 108:770-777.
- VanderWerf, E.A., J.J. Groombridge, J.S. Fretz, and K.J. Swinerton. 2006. Decision analysis to guide recovery of the Po`ouli, a critically endangered Hawaiian honeycreeper. *Biological Conservation* 129:383-392.
- VanderWerf, E.A., R.J. Pierce, V.A. Gill, G. Wragg, P. Raust & T.L. Tibbitts. 2006. Pelagic seabird surveys in the Tuamotu and Gambier archipelagos, French Polynesia. *Marine Ornithology* 34:65-70.
- Smith, D.G., E.K. Shiinoki, and E.A. VanderWerf. 2006. Recovery of native species following rat eradication on Mokoli`i Island, O`ahu, Hawai`i. *Pacific Science* 60:299-303.
- VanderWerf, E.A., G.J. Wiles, A.P. Marshall, and M. Knecht. 2006. Observations of migrants and other birds in Palau, April-May 2005, including the first Micronesian record of a Richard's Pipit. *Micronesica* 39:11-29.
- U.S. Fish and Wildlife Service. 2005. Draft Revised Recovery Plan for Hawaiian Water Birds. U.S. Fish and Wildlife Service, Region 1, Portland, OR.
- Plentovich, S., J. M. Morton, J. Bart, R. J. Camp, M. Lusk, N. Johnson, and E. Vanderwerf. 2005. Population trends of Mariana Crow *Corvus kubaryi* on Rota, Commonwealth of the Northern Mariana Islands. *Bird Conservation International* 15:211-224.
- U.S. Fish and Wildlife Service. 2005. Final post-delisting Monitoring Plan for the Tinian monarch. U.S. Fish and Wildlife Service, Pacific Islands Fish and Wildlife Office, Honolulu, Hawaii.
- VanderWerf, E.A. 2005. Elepaio "anting" with a garlic snail and a *Schinus* fruit. *Journal of Field Ornithology* 76:134-137.
- U.S. Fish and Wildlife Service. 2004. Final Rule to Remove the Tinian Monarch from the Federal List of Endangered and Threatened Wildlife. *Federal Register* 69:56367-56373.
- Groombridge, J. J., J. G. Massey, J. C. Bruch, T. Malcolm, C. N. Brosius, M. M. Okada, B. Sparklin, J. S. Fretz, and E. A. VanderWerf. 2004. An attempt to recover the Po`ouli by translocation and an appraisal of recovery strategy for bird species of extreme rarity. *Biological Conservation* 118:365-375.
- VanderWerf, E. A. 2004. Demography of Hawai`i `Elepaio: variation with habitat disturbance and population density. *Ecology* 85:770-783.

- VanderWerf, E.A., and L.A. Freed. 2003. 'Elepaio subadult plumages reduce aggression through graded status signaling, not mimicry. *Journal of Field Ornithology* 74:406-415.
- Smith, D.G., J.T. Polhemus, and E.A. VanderWerf. 2002. Comparison of managed and unmanaged Wedge-tailed Shearwater colonies: effects of predation. *Pacific Science* 56:451-457.
- U.S. Fish and Wildlife Service. 2001. Determination of Critical Habitat for the Oahu Elepaio; Final Rule. *Federal Register* 66(237):63752-63782.
- U.S. Fish and Wildlife Service. 2001. Proposed Determination of Critical Habitat for the Oahu Elepaio; Proposed Rule. *Federal Register* 66(109):30372-30396.
- VanderWerf, E.A., J.L. Rohrer, D.G. Smith, and M.D. Burt. 2001. Current distribution and abundance of the O'ahu 'Elepaio. *Wilson Bulletin* 113:10-16.
- VanderWerf, E.A. 2001. Distribution and potential impacts of avian poxlike lesions in 'Elepaio at Hakalau Forest National Wildlife Refuge. *Studies in Avian Biology* 22:247-253.
- VanderWerf, E.A. 1994. Intraspecific variation in 'Elepaio foraging behavior in Hawaiian forests of different structure. *Auk* 111:915-930.
- VanderWerf, E.A. 1993. Scales of habitat selection by foraging 'Elepaio in undisturbed and human-altered Hawaiian forests. *Condor* 95:961-971.