

*Curriculum Vitae***ANDREW ENGILIS, JR.**

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Name: Andrew Engilis, Jr.
Birthdate: June 19, 1959
Birthplace: Sacramento, California

EDUCATION

B. Sc.: (Avian Science) - University of California, Davis, 1982
 Graduate Studies: (Biological Sciences) - California State University, Sacramento, 1982-83
 (Zoology) - University of Hawaii, Manoa Campus, 1987-89

PROFESSIONAL AND ACADEMIC APPOINTMENTS

**Curator, Museum Wildlife Fisheries Biology, University of California, Davis 2000 -
 Research Affiliate, Bernice P. Bishop Museum, Hawaii, 1997 -**
 Conservation Mgr Pacific Northwest and Hawaii – Ducks Unlimited, Western Regional Office 1996 – 2000
 Regional Biologist - Ducks Unlimited, Western Regional Office 1991 – 95
 Cosumnes River Preserve Manager - Ducks Unlimited, Western Regional Office 1989 – 91
 Non-game Wildlife Biologist - Hawaii Division of Forestry and Wildlife 1987 – 89
 Instructor, University of Hawaii - College of Continuing Education, 1987 – 89
 Research Associate, University of Hawaii, 1986 – 87
 Curatorial Technician/ Field Zoologist, Bernice P. Bishop Museum, Honolulu, 1984 – 87
 Biologist - Biological surveys of Elkhorn Regional Park, Yolo County, California, 1981 – 83
 Curatorial Technician, Museum of Wildlife & Fisheries Biology, University of California, Davis, 1979 – 82

GRANTS AND AWARDS

University of California, Davis

National Institute of Health

\$4.25 million – Biological Inventory of the Island of Sulawesi, Indonesia (2008)

National Science Foundation

\$291,000 – Museum of Wildlife and Fish Biology Facilities Improvement Grant (2005)

\$495,000 – Museum of Wildlife and Fish Biology Facilities Improvement Grant (2009)

Cal Dept Water Resources

\$390,000 – Yolo Bypass Riparian Bird Surveys (2004)

\$521,000 – Putah Creek Watershed Plan Implementation (2009)

CalFed

\$264,000 – Biomonitoring and Modeling of Riparian Resources along Putah Creek, California (2004)

\$290,000 – Riparian Bird resources in Yolo Bypass, California (2004)

California State Parks

\$5,000 – Avian Surveys at Point Lobos Ecological Reserve (2004)

\$16,000 – Avian and small mammal resources Yuba River State Park (2004)

\$100,000 – Avian and small mammal resources San Joaquin Valley State Park Units (2005)

\$10,000 – Avian and small mammal resources Mammoth Bar OHV Park (2008)

Solano Irrigation District

\$920,000 – Putah Creek Terrestrial Wildlife Monitoring Program (2004 - 08)

\$710,000 – Putah Creek Terrestrial Wildlife Monitoring Program (2009 - 17)

U.S. Army Corps of Engineers

\$65,000 – Snake River Vertebrate Inventories (2008)

\$62,000 – Snake River Vertebrate Inventories (2009)

U.S. Fish and Wildlife Service - (\$20,000) Revision of the Hawaiian Waterbird Recovery Plan 1992.

\$12,000 – U. S. Pacific Islands Shorebird Conservation Plan 2001

\$12,000 – Koloa Hybrid Research 2004

\$14,000 – Koloa Hybrid Research 2005

National Park Service

\$45,000 – Hawaii Wetlands Plan for Honokohau Wetlands (2009)

Selma Herr Fund for Ornithology

\$25,000 – Museum Curation 2002

\$5,600 – Koloa Hybrid research

\$5,600 – Plumage and Molt studies of matorral birds, Central Chile

Ducks Unlimited

Whitecap Foundation

\$81,000 – Wetland Restoration - Cosumnes Preserve, CA. 1993

\$52,000 – Wetland Restoration - Modoc NWR, CA. 1994

\$42,000 – Wetland Restoration - Cosumnes Preserve, CA. 1995

\$62,700 – Wetland Restoration - Baskett Slough NWR, OR. 1996

\$73,000 – Wetland Restoration – Finley NWR, OR 1998

\$85,000 – Wetland Restoration – Finley NWR, OR 1999

Harold K. L. Castle Foundation

\$150,000 – Wetlands Information Network Development 1998-2000

Wildlife Forever

\$25,000 – Wetlands Restoration, Pouhala Marsh, HI. 1996

North American Conservation Grant Program

\$450,000 – Cosumnes River Preserve, CA. 1992

\$760,000 – Lower Columbia River Ecoregion, OR and WA. 1995

\$50,000 – Montane Wetlands Restoration for Hawaiian Duck – 1998

\$975,000 – Skagit-Samish Priority Wetlands Restoration Effort - 1999

National Forest Foundation

\$45,000 – Monitoring and Evaluation of restored Wetlands on the Lower Columbia River, 1998-2000

Northwest Power Authority, U. S. Forest Service

\$150,000 – Monitoring and Evaluation of restored Wetlands on the Lower Columbia River, 1998-2000

SCIENTIFIC SOCIETIES

American Ornithological Union

Cooper Ornithological Society

Western Field Ornithologists

Wilson Ornithological Society

Cornell Laboratory of Ornithology

Society for the Preservation of Natural History Collections

PROFESSIONALLY RELATED ACTIVITIES

Member: Pacific Coast Joint Venture, Washington Implementation Committee
 Member: Hawaii Biodiversity Joint Venture, USFWS Appointment
 Member: Pacific Avian Recovery Coordinating Committee, USFWS Appointment 1995-97
 Member: Black Stilt evaluation team, New Zealand Dept. of Conservation Appointment
 Member: Citizens Ambassador Delegate (Wetlands) to Australia and New Zealand. DU Appointed
 Member: Threatened Waterfowl Research Group, IWRB Appointed
 Member: Partners in Flight Technical Working Group, Western United States. DU Appointed

U.S. Fish and Wildlife Service: 1985 - 1986, Conducted Hawaiian Forest Bird Surveys on Maui, one of three principle investigators dealing with nest discovery and breeding biology research of the endangered Po'ouli, *Melamprosops pahaeosoma*.

Hawaii Department of Forestry and Wildlife: 1987-89, Conducted Hawaiian Forest Bird Surveys on Maui, Molokai, Kauai, and Hawaii. Coordinated biannual Hawaiian Waterbird Surveys (statewide).

Member Sacramento Audubon Society: 1972 - 1990, activities included: Chairman of checklist revision, field trips; field trip leader, many articles for local newsletter.

Member Hawaii Audubon Society: 1982 - 1992, activities included: First Vice-President, Chairman field trips, publications, Editorial chairman of 4th edition of Hawaii's Birds.

International Experience

Indonesia – Biotic inventory of SE Sulawesi (ongoing)
 Tanzania – Avian surveys and avian community structure (ongoing)
 Chile – Avian and mammalian studies and inventories (ongoing)
 Belize – Avian and mammalian studies and inventories (2002)
 Papua New Guinea - Research, avian and mammal conservation 1983 – present, includes organization of three vertebrate collecting expeditions in 1984, 1985, and 1986.
 Australia - Wetlands Conservation, international coordination 1996 – 2000
 New Zealand - Wetlands and endangered species recovery 1994 – 2000
 Guam - Wetlands Conservation 1994 – 1997
 American Samoa - Wetlands Conservation 1993
 Commonwealth of Northern Marianas - Wetlands Conservation 1994 – 1997
 Hong Kong - Mae Po Wetlands Consultation 1995
 Mexico - Wetlands Conservation, wetland biodiversity studies in Western Mexico 1993-1997
 Canada - Wetlands Restoration, Educator 1994 - 1995
 Ecuador – Avian Surveys 1993
 Caribbean Islands - Avifauna Surveys and Wetlands Conservation 1994 – 1996
 Pacific Rim - DU coordinator of conservation activities 1996 – 2000
 United States - Restoration and conservation programs in Western U. S. and Hawaii. Involved with establishing and administrating Hawaiian Islands and Pacific Northwest Conservation Programs (Ducks Unlimited). Assisted and/or coordinated over 400 wetland restoration projects since 1989.

PUBLICATIONS

Gutierrez, J.R., P. L. Meserve, D. A. Kelt, A. Engilis, Jr., M.A. Previtali, W.B. Milstead & F. Jaksic. *In press*. Long-term research in Bosque Fray Jorge National Park: Twenty years studying the role of biotic and abiotic factors in a Chilean semiarid scrubland. Invited Chapter on Global Climate Change, *Revista Chilena de Historia Natural*.

- Meserve, P.L., J.R. Gutiérrez, D.A. Kelt, M. A. Previtali, A. Engilis, Jr., and W. B. Milstead *In Press*. Global climate change and biotic-abiotic interactions in the northern Chilean semiarid zone: potential long-term consequences of increased El Niños. Invited Chapter for book titled, *Ocean Circulation and El Niños*.
- Engilis, Jr., A., Lalbhai, P. S. and T. Caro. 2009. Avifauna of the Katavi-Rukwa Ecosystem, Tanzania. *Journal of East African Natural History*. 98:95 – 117.
- Engilis, Jr., A. and D. A. Kelt. 2009. Foraging Behavior of the Tufted Tit-Tyrant in semiarid North Central Chile. *The Wilson Journal of Ornithology*. 121:585 – 592.
- Epinchin, P.N. and A. Engilis, Jr. 2009. Mount Lyell Shrew (*Sorex lyelli*) in the Sierra Nevada, California, with comments on alpine records of *Sorex*. *The Southwestern Naturalist*. 54:355 – 358.
- Fowler, A. C., J. M. Eadie, and A. Engilis, Jr. 2008. Identification of endangered Hawaiian ducks (*Anas wyvilliana*), introduced North American mallards (*A. platyrhynchos*), and their hybrids using a multilocus genotypes. *Conservation Genetics*. Published on-line 20 Dec 2008.
- Kelt, D. A., A. Engilis Jr., I. E. Torres and A.T. Hitch. 2008. Ecologically significant range extension for the Chilean tree mouse, *Irenomys tarsalis*. *Mastozoologia Neotropical*, 15:125 – 128.
- Uyehara, K. J., A. Engilis, Jr., B. D. Dugger. 2008. Wetland features that influence occupancy by the endangered Hawaiian Duck. *The Wilson Journal of Ornithology*. 120: 311-319.
- Museum of Wildlife and Fish Biology. 2008. Yolo Bypass Riparian Bird and Wildlife Monitoring Program, 2005-2007 Final Report. Department of Wildlife, Fish, and Conservation Biology, University of California, Davis, CA.
- Engilis, Jr. A., O.S.V. Alminas, A. E. Castañeda, E. Lindgren, and P. L. Gibert. 2007. Special status species in San Joaquin Valley State Parks, California. Museum of Wildlife and Fish Biology. Univ. of California, Davis. Publication no. 16.
- Uyehara, K. J., A. Engilis, Jr., and M. Reynolds. 2007. Hawaiian Duck's future threatened by feral mallards: U.S. Geological Survey Fact Sheet 2007-3047 [<http://pubs.usgs.gov/fs/2007/3047/>].
- Castañeda, A. E., A. Engilis, Jr., and M. A. Truan. 2006. Checklist of the birds of the University of California, Davis Arboretum. Museum of Wildlife and Fish Biology. Davis, CA.
- Lindgren, E., M.A. Truan, R.E. Melcer Jr., and A. Engilis, Jr. 2006. Putah Creek Terrestrial Wildlife Monitoring Plan. Mus. of Wildlife and Fish Biol. Occasional Papers No.2. University of California, Davis, CA.
- Melcer Jr., R. E., E. Lindgren, M. A. Truan, and A. Engilis, Jr. 2006. Yolo Bypass Riparian Bird and Wildlife Monitoring Program, 2005 Progress Report. Mus. of Wildlife and Fish Biol. University of California, Davis, CA.
- Engilis, Jr., A. 2005. Mammals of South Yuba River State Park. Museum of Wildlife and Fish Biology, University of California, Davis.
- Engilis, Jr. A. 2005. Breeding Birds of South Yuba River State Park. Museum of Wildlife and Fish Biology, University of California, Davis.
- Truan, M.A., A. Engilis, Jr., and I.E. Torres. 2005. Putah Creek Terrestrial Wildlife Monitoring Plan: 2004 Results. Mus. of Wildlife and Fish Biol. Occasional Papers No.1. University of California, Davis, CA.
- Pyle, P., A. Engilis, Jr. and T. G. Morre. 2004. A Specimen of the Nominate Subspecies of the Red-shouldered Hawk from California. *Western Birds* 35: 112-116.
- Engilis, Jr., A and M. Naughton. 2004. U. S. Pacific Islands Regional Shorebird Conservation Plan. U. S. Shorebird Conservation Plan. U. S. Dept. of Interior. Portland, OR.
- Engilis, Jr. A., R. L. Pyle, and R. E. David. 2004. Status and occurrence of migratory birds in the Hawaiian Islands: PART 1 – Anseriformes: Anatidae (Waterfowl). Bishop Museum Occ. Papers no. 81.
- Caro, T., A. Engilis, Jr., E. Fitzherbert, and T. Gardner. 2004. Preliminary assessment of the flagship species concept at a small scale. *Animal Conservation* 7: 63 – 70.
- Engilis, Jr., Andrew and Ronald E. Cole. 2003. Specimens of Eurasian Green-winged Teal (*Anas crecca crecca*) from the Central Valley of California. *Central Valley Bird Club Bulletin* 6(2):34 – 36.
- Engilis, Jr., Andrew and M. J. Biddlecomb. 2003. First record of White-winged Junco (*Junco hyemalis aikenii*) for the Central Valley, California. *Central Valley Bird Club Bulletin* 6(1):1 – 3.
- Engilis, A., Jr., K. J. Uyehara, and J. G. Giffin. 2002. Hawaiian Duck (*Anas wyvilliana*). In *The Birds of North America*, No. 694 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, PA.

- Engilis, Jr., Andrew. 2002. The development of an archive for Central Valley bird records and specimens. *Central Valley Bird Club Bulletin* 5 (4). 70 – 71.
- Udvardy, M. D. F. and A. Engilis, Jr. 2001. Migration of Northern Pintail across the Pacific with Reference to the Hawaiian Islands. *Studies in Avian Biology* No 22: 124 – 132.
- Engilis, Jr., A. L. W. Oring, E. Carrera, J. W. Nelson, and A. Martinez Lopez. 1998. Shorebird surveys in Ensenada Pabellones and Bahia Santa Maria, Sinaloa, Mexico: Critical habitats for Pacific Flyway shorebirds. *The Wilson Bull.* 110(3) pp. 332-341.
- Reed, M. J., M. Silvernagel, A. Engilis, Jr., K. Evans, L. Oring. 1998. Subadult Movements Patterns of the Endangered Hawaiian Stilt (*Himantopus mexicanus knudseni*). *The Auk* 115(3):791-797.
- Cole, R. E., A. Engilis, Jr., & F. J. Radovsky. 1997. Report on mammals collected during the Bishop Museum Expedition to Mt. Dayman, Milne Bay Province, Papua New Guinea. *Bishop Museum Occasional Papers* No. 51.
- Engilis, Jr. A. and R. E. Cole. 1997. Avifaunal observations from the Bishop Museum Expedition to Mt. Dayman, Milne Bay Province, Papua New Guinea. *Bishop Museum Occasional Papers* No. 52.
- Engilis, Jr., A. and F. A. Reid. 1997. Challenges in wetland restoration of the Western Great Basin. in: *International Wader Studies Monograph* No. 9. Reed, M.A. and Oring, L. (eds.). pp. 71-79.
- Abbott, Jr., L., H. Brink, A. Engilis, Jr., G. Langham, J. Langham, T. Ronneberg, J. Shick, K. Sieving, J. Trochet. 1996. A field checklist for birds of the Cosumnes River Preserve. *The Nature Conservancy of California*. San Francisco, CA.
- Engilis, Jr. A., T. K. Pratt, C. B. Kepler, A. M. Ecton, and K. M. Fluetsch. 1996. Description of adults, eggshells, nestling, fledgling, and nest of the Poo-uli. *The Wilson Bull.* 108(4)pp. 607-619.
- Kepler, C. B., T. K. Pratt, A. M. Ecton, A. Engilis, Jr. and K. M. Fluetsch. 1996. Nesting Behavior of the Poo-uli. *The Wilson Bull.* 108(4) pp. 620-638.
- Saunders, A., A. Engilis, Jr. and J. Innes. 1996. Technical audit of the Black Stilt (Kaki) recovery programme. Department of Conservation report for the Director of Species Protection. Wellington, New Zealand.
- Charney, R., J. R. Well, A. Engilis, Jr., F. A. Reid, P. Goebel, J. Nagel. 1995. A Guide to wetland restoration on private land. *Valley Habitat Tech. Series* no. 4. Ducks Unlimited, Inc. Sacramento, CA.
- Engilis, Jr., A. 1995. Wildlife Resources of the Central Valley, California. Birds - Part 1: permanent and summer residents. *Valley Habitats Tec. Series* no. 5. Ducks Unlimited, Inc., Sacramento, CA.
- Engilis, Jr., A. 1995. Wildlife Resources of the Central Valley, California. Birds - Part 2: winter residents and transient species. *Valley Habitats Tec. Series* no. 6. Ducks Unlimited, Inc., Sacramento, CA.
- Engilis, Jr., A. and F. A Reid. 1995. Hawaii Endangered Waterbird Recovery Plan, Second Revision. U.S. Fish and Wildlife Service. Portland..
- Hart, J. A. and A. Engilis, Jr. 1995. Middle Cosumnes Watershed: River Corridor and Vernal Pool Study Areas biological assessment. Report for The Nature Conservancy of California.
- Engilis, Jr., A. 1993. Viansa Winery Wetlands Project - A lesson in open space planning. in: *The Greening of the California Grape and Wine Industry*. Senate Select Committee Hearings, eds.: G. M. Pucilowski and M. Thompson. p 97-99.
- Engilis, Jr. A. and T.K. Pratt. 1993. Status and trends of Hawaii's native waterbirds, 1977-1986. *Wilson Bull.* 105 pp. 142-58.
- Reid, F.A., A. Engilis, Jr., J.M. Payne, H.H. Liberato. 1993. Challenges to the waterfowl and crane resources of the Sacramento - San Joaquin Delta. in: *Biological Resources of the San Francisco Bay/Sacramento-San Joaquin Delta Estuary*, Bay-Delta Oversight Council, Sacramento, CA.
- Engilis, Jr., A. 1990. Field notes on native forest birds in the Hanawi Natural Area Reserve, Maui. *Elepaio* vol. 50. pp. 67-72.
- Engilis, Jr. and R. E. David. (editors). 1990. *Hawaii's Birds*, 4th Edition. Hawaii Audubon Society, Honolulu, Hawaii.
- Engilis, Jr. A. and T. K. Pratt. 1989. Kauai Forest Bird Survey yields surprises and disappointments. *Hawaii Wildlife Newsletter*. Vol. IV(2).
- Engbring, J. and A. Engilis, Jr. 1988. Rediscovery of the Sooty Rail (*Porzana tabuensis*) in America Samoa. *The Auk*, vol. 105(2) p. 191.
- Engilis, Jr., A. 1987. Birds of New Guinea: A Review. *Elepaio* vol. 47(7) p.75.

- Engilis, Jr. A. 1986. O'ahu "Big Day". *Elepaio*, 46(8) p. 88
- Cole, R. E. and A. Engilis, Jr. 1986. First record of a Ruby-throated Hummingbird in California. *Western Birds* 17:40.
- Dawson, K. J., A. Engilis, Jr., D. Bush. 1985. Elkhorn Regional Park Master Plan. Department of Environmental Design, University of California, Davis.
- Engilis, Jr. A. 1985. Annotated Checklist to the birds of Cold Canyon Reserve. Published in: *Flora and Fauna of Stebbin's Cold Canyon Reserve*. eds. W.W. Weathers and R. E. Cole. Institute of Ecology Publications No. 29, University of California, Davis.
- Bell, B., A. Engilis, Jr., et al. 1983. Checklist of the Birds of the Sacramento Area. Sacramento Audubon Society. Sacramento, CA.

Papers in Prep

- Engilis, Jr., A., I. E. Engilis, E. Harper, S. Scott. Interesting bird records from Northern Tanzania. Invited for *Scopus*.
- Engilis, Jr., A., D. A. Kelt, and P. M. Merserve. Avifaunal Observations from the Coquimbo District (IV Region), northern Chile.
- Engilis, Jr. and T. K. Pratt. In prep. Two new subspecies of birds from the North Coastal Range, Papua New Guinea.
- Engilis, Jr. A. In prep. Revision of the genus *Otidiphaps*, including a new species from the North Coastal Range of New Guinea.
- A. Engilis, Jr. and I. E. Engilis. In prep. Status of California Thrasher (*Toxostoma redivivum*) in California's Central Valley.

Restoration and Management Plans

- Engilis, Jr., A. 1997. DUCKS UNLIMITED PACIFIC NORTHWEST CONSERVATION PLAN. Ducks Unlimited. Sacramento, CA. 8 pp.
- Ducks Unlimited, Inc., Brown and Caldwell. 1995. WETLAND ENHANCEMENT PLAN COUNTY OF MAUI, OHIAPILO MARSH. prep by A. Engilis, Jr., R. Miller, P. Schaedegger, R. Matasci. Brown and Caldwell and Ducks Unlimited, Inc. Sacramento, CA. 60 pp.
- Engilis, Jr., A. 1995. DUCKS UNLIMITED HAWAIIAN ISLAND CONSERVATION PLAN. Ducks Unlimited. Sacramento, Ca. 12 pp.
- Engilis, Jr., A. 1995. WETLAND RESTORATION OPPORTUNITIES FOR THE COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS AND GUAM. A report to the USFWS, Region 1.
- Ducks Unlimited, Inc., Brown and Caldwell. 1994. ENVIRONMENTAL SITE ASSESSMENT REPORT, OHIAPILO MARSH, MOLOKAI. prep by A. Engilis, Jr., R. Miller, P. Schaedegger, R. Matasci. Brown and Caldwell and Ducks Unlimited, Inc. CA. 100 pp.
- Engilis, Jr., A. and J. R. Well. 1993. SECTION 404 REGULATORY COMPLIANCE MITIGATION PLAN: H-3/MINAMI WETLANDS MITIGATION PROJECT, HONOLULU CO., HAWAII. Ducks Unlimited, Inc., Sacramento, CA. 35 pp.
- Engilis, Jr., A. 1992. LONG-TERM RESTORATION AND MANAGEMENT PLAN FOR THE COSUMNES RIVER PRESERVE. Ducks Unlimited. Sacramento, CA. 30 pp.
- Engilis, Jr., A. and F.A. Reid. 1992. WETLAND AND WATERFOWL MANAGEMENT RECOMMENDATIONS FOR MCCLUSKY SLOUGH, MONTEREY, COUNTY, CALIFORNIA. Ducks Unlimited, Inc. Sacramento, CA. 20pp.
- Engilis, Jr., A. 1991. FINAL ENVIRONMENTAL ASSESSMENT, ENHANCEMENT, AND MANAGEMENT PLANS FOR THE HAMAKUA WETLANDS PROTECTION AND ENHANCEMENT PROJECT, KAILUA, HONOLULU, CO., HAWAII. Ducks Unlimited, Inc., Sacramento, CA. 41 pp.
- Engilis, Jr., A. 1991. Section 404 Regulatory Compliance Mitigation Plan, Viansa Winery Wetland Enhancement, Sonoma County, California. Ducks Unlimited, Inc. Sacramento, CA. 38 pp.
- Engilis, Jr., A. 1990. BIOLOGICAL SURVEY OF BURTON CREEK MEADOW, LAKE TAHOE BASIN: IMPLICATIONS FOR ITS RESTORATION AND ENHANCEMENT. University of California Berkeley Environmental Planning Group. 20 pp.