SCOTT T. WALTER, Ph.D.

Curriculum Vitae – January 2016

Tulane University • Ecology and Evolutionary Biology 6823 St. Charles Ave. • 400 Lindy Boggs Building • New Orleans, LA 70118 Phone: 337-591-1188

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PRIMARY EDUCATION

2006 – 2012	Ph.D. UNIVERSITY OF LOUISIANA , Lafayette, LA Department of Biology. Dissertation: <i>Habitat degradation, hurricane, and oil spill effects on Brown Pelican ecology and conservation</i> . Advisor: Paul L. Leberg.
2001 – 2003	M.S. OREGON STATE UNIVERSITY, Corvallis, OR Department of Forest Science. Thesis: Snag longevity, bird use of cavities, and conifer response across three silvicultural treatments in the Oregon Coast Range. Advisor: Chris C. Maguire.
1991 – 1995	B.S. NEBRASKA WESLEYAN UNIVERSITY , Lincoln, NE Department of Biology. Thesis: <i>Abundance and distribution of three species of rainforest frogs in Queensland, Australia</i> . Advisor: Dale M. Benham.

ADDITIONAL EDUCATION

2013, 2006	ALLIANCE FRANÇAISE , Toulouse, FRANCE French language
2003	ORGANIZATION FOR TROPICAL STUDIES, COSTA RICA Tropical biology and ecology graduate coursework
1999 – 2000	OREGON STATE UNIVERSITY, Corvallis, OR Forest science post-baccalaureate coursework
1997	UNIVERSIDAD DE SAN CARLOS, Cobán, GUATEMALA Q'eqchi' (Mayan) language
1996	PEACE CORPS TRAINING CENTER , Santa Lucía, GUATEMALA Conservation and management of natural resources, agroforestry, Spanish language, and Latin culture
1994	SCHOOL FOR FIELD STUDIES, Queensland, AUSTRALIA Tropical rainforest management undergraduate coursework
1993	UNIVERSITY OF NEBRASKA , Ogallala, NE Ornithology

TEACHING

ADJUNCT PROFESSOR – Loyola University – New Orleans, LA

2015 **Investigating Nature** (Spring and Fall semesters)

Designed and taught undergraduate classes in environmental studies

Evolution (Fall semester)

Designed and taught undergraduate classes in biological evolution

ADJUNCT PROFESSOR – *University Of New Orleans* – New Orleans, LA 2015 **Avian Ecology And Conservation** (Spring semester)

Designed and taught undergraduate classes, labs, and field outings

ADJUNCT PROFESSOR – Institute For Tropical Ecology And Conservation – PANAMÁ

2015 **Tropical Avian Ecology** (Summer course)

Designed and taught undergraduate field classes in bird ecology, field

techniques, and independent research

GRADUATE TEACHING ASSISTANT – *University Of Louisiana* – Lafayette, LA

2011 Avian And Mammalian Fauna Of The Chihuahuan Desert

Taught bird and mammal capture, observation, and field identification

2010, 2008 **Mammalogy**

Taught mammalian ecology and identification in the field and lab

2010 **Ornithology**

Taught bird ecology and identification in the field and lab, and

organized and led a birding trip to Tamaulipas, MÉXICO

2009, 2007, 2006 **Biology For Majors**

Taught labs, experimentation, and field outings

2009 **Biology For Non-Majors**

Designed and taught labs, experimentation, and field outings

2007 Local Flora

Taught plant ecology and identification in the field and lab

MENTORING AND TRAINING

Mentor 7 students with independent research at Emory University, Tulane University, University of Louisiana, and various Ecuadorian universities

Trained 34 assistants and team leaders during field research projects

Educated ~100 Mayan farmers in sustainable agricultural practices and ~100 Mayan children about environmental conservation during the Peace Corps

APPOINTMENTS

2015 – Present	ADJUNCT RESEARCH FACULTY Tulane University, Dept. of Biology, New Orleans, LA Rainforest biodiversity project management in Ecuador and Brown Pelican conservation research in the Gulf of Mexico
2015 – Present	ADJUNCT PROFESSOR Institute for Tropical Ecology and Conservation, PANAMÁ Undergraduate teaching
2015	ADJUNCT PROFESSOR Loyola University, Dept. of Biological Sciences, New Orleans, LA Undergraduate teaching
2015	ADJUNCT PROFESSOR University of New Orleans, Dept. of Biology, New Orleans, LA Undergraduate teaching
2014 – Present	RESEARCH BIOLOGIST Barataria-Terrebonne National Estuary Program, Thibodaux, LA Coastal shorebird demographic research
2012 – 2014	POST-DOCTORAL RESEARCH MANAGER Tulane University, Dept. of Biology, New Orleans, LA Rainforest biodiversity project management in Ecuador and Brown Pelican conservation research in the Gulf of Mexico
2006 – 2012	GRADUATE RESEARCH ASSISTANT University of Louisiana, Dept. of Biology, Lafayette, LA Coastal ecology and Brown Pelican conservation research
2011	PROJECT MANAGER / RESEARCH BIOLOGIST University of Louisiana, Dept. of Biology, Lafayette, LA Oil spill and Brown Pelican reproduction research
2010	RESEARCH BIOLOGIST <i>Biodiversity Research Institute</i> , Gorham, ME / Cocodrie, LA Waterbird population monitoring
2005 – 2006	PROJECT MANAGER / RESEARCH BIOLOGIST U.S. Forest Service, Bent Creek Research Station, Asheville, NC Forest ecology and invasive plant research
2004 – 2005	RESEARCH TECHNICIAN <i>U.S. Forest Service</i> , Bent Creek Research Station, Asheville, NC Forest management and amphibian ecology research

2001 – 2003	GRADUATE RESEARCH ASSISTANT Oregon State University, Dept. of Forest Science, Corvallis, OR Avian ecology and conservation and forest management research
2000	RESEARCH VOLUNTEER Harvard University, Cabang Panti Station, Borneo, INDONESIA Primate ecology volunteering
2000	RESEARCH TECHNICIAN Oregon State University, Dept. of Forest Resources, Corvallis, OR Forest ecology and management research
2000	RESEARCH TECHNICIAN Turnstone Environmental, Corvallis, OR Avian and amphibian ecology research
1999 – 2000	RESEARCH TECHNICIAN Oregon State University, Dept. of Forest Science, Corvallis, OR Wildlife conservation and forest ecology research
1996 – 1998	PEACE CORPS CONSERVATION VOLUNTEER Peace Corps, GUATEMALA Natural resource conservation and management
1996	RESEARCH TECHNICIAN Caribbean Conservation Corporation, COSTA RICA Sea turtle conservation research
1995 – 1996	RESEARCH TECHNICIAN
	University of Nebraska, Cedar Point Station, Ogallala, NE Sandhill community ecology research
1995	University of Nebraska, Cedar Point Station, Ogallala, NE

PEER-REVIEWED RESEARCH PUBLICATIONS (8)

Walter, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2014. Demographic trends of Brown Pelicans in Louisiana before and after the Deepwater Horizon oil spill. *Journal of Field Ornithology* 85: 421-429.

Walter, S.T., J.J. Dindo, P.L. Leberg, and J. Karubian. 2014. Factors influencing Brown Pelican (*Pelecanus occidentalis*) foraging movement patterns during the breeding season. *Canadian Journal of Zoology* 92: 885-891.

- **Walter**, S.T., M.R. Carloss, T.J. Hess, G. Athrey, and P.L. Leberg. 2013. Movement patterns and population structure of the Brown Pelican. *Condor* 115: 788-799.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2013. Hurricane, habitat degradation, and land loss effects on Brown Pelican nesting colonies. *Journal of Coastal Research* 29: 187-195.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, G. Athrey, and P.L. Leberg. 2013. Brown Pelican (*Pelecanus occidentalis*) colony initiation attempts: Translocations and decoys. *Waterbirds* 36: 53-62.
- Greenberg, C.H. and S.T. **Walter**. 2010. Fleshy fruit removal and nutritional composition of winter-fruiting plants: a comparison of non-native invasive and native species. *Natural Areas Journal* 30: 312-321.
- **Walter**, S.T. and C.C. Maguire. 2005. Snags, cavity-nesting birds, and silvicultural treatments in western Oregon. *Journal of Wildlife Management* 69: 1578-1591.
- **Walter**, S.T. and C.C. Maguire. 2004. Conifer response to three silvicultural treatments in the Oregon Coast Range foothills. *Canadian Journal of Forest Research* 34: 1967-1978.

RESEARCH MANUSCRIPTS IN PREPARATION (~11)

Walter, S.T., J. Freile, L. Browne, N. González, M. Darkes, J. Loor, and J. Karubian. In preparation (on schedule to submit in January 2016). Nocturnal bird abundance and distribution across Ecuadorian rainforest fragments.

Through my mentorship of 7 undergraduate and graduate students I will be co-author on approximately 10 student-authored manuscripts that are in progress.

TECHNICAL RESEARCH REPORTS (1)

Walter, S.T. and P.L. Leberg. 2013. Impacts of the BP Deepwater Horizon MC 252 oil spill on Brown Pelican reproduction and demography in coastal Louisiana. *Louisiana Oil Spill Coordinator's Office*.

RESEARCH PRESENTATIONS (30)

Walter, S.T., F. Castillo, J. Rivero, J. Olivo, L. Browne, M. Darkes, A. Moreno, M. Gonzáles, J. Loor, N. Gonzáles, J. Freile, and J. Karubian. 2014. Avian community diversity across forest fragments in Ecuador (Diversidad de comunites de aves en fragmentos de bosque en Ecuador; poster). *Ecuadorian Ornithology Meeting*. Maldonado, ECUADOR.

- Olivo, J., M. Gonzáles, L. Browne, S.T. **Walter**, and J. Karubian. 2014. Study of avian diversity in forest fragments in the Mache Chindul Reserve (Estudio de la diversidad de aves en fragmentos de bosque en la Reserva Ecológica Mache Chindul). *Ecuadorian Ornithology Meeting*. Maldonado, ECUADOR.
- Geary, B., S.T. **Walter**, P.L. Leberg, and J. Karubian. 2014. Use of GPS telemetry to relate Brown Pelican foraging and breeding ecology in the Gulf of Mexico. *Joint meeting of the American Ornithologists' Union, Cooper Ornithological Society, and Society of Canadian Ornithologists*. Estes Park, CO.
- Leberg, P.L., S.T. **Walter**, M.R. Carloss, and T.J. Hess. 2014. Pelican reproduction ecology on barrier islands: Considerations for restoration. *State of the Coast Conference*. New Orleans, LA.
- Geary, B., S.T. **Walter**, P.L. Leberg, and J. Karubian. 2014. Effects of invasive fire ant establishment and subsequent treatment on Brown Pelican nest success in the Gulf of Mexico (poster). *State of the Coast Conference*. New Orleans, LA.
- Wakeland, K., S.T. **Walter**, J. Karubian, and P.L. Leberg. 2014. Influence of barrier island loss on the distribution and survival of Brown Pelicans in coastal Louisiana. *State of the Coast Conference*. New Orleans, LA.
- Wakeland, K., S.T. **Walter**, J. Karubian, and P.L. Leberg. 2013. Influence of barrier island loss on the distribution and survival of Brown Pelicans in coastal Louisiana. *Louisiana Wildlife Society Annual Meeting*, Baton Rouge, LA.
- **Walter**, S.T., P.L. Leberg, J.J. Dindo, and J. Karubian. 2013. Brown Pelican foraging and nesting in relation to the Deepwater Horizon oil spill. *Gulf of Mexico Oil Spill and Ecosystem Science Conference*. New Orleans, LA.
- **Walter**, S.T., P.L. Leberg, J.J. Dindo, and J. Karubian. 2012. Ecological factors that regulate Brown Pelican population viability. *Tulane University Biology Seminar*. New Orleans, LA.
- Longest, S.M., K.M. Ottewell, S.T. **Walter**, P.L. Leberg, and J. Karubian. 2012. The population structure of Brown Pelicans (*Pelecanus occidentalis*) in the Gulf of Mexico. *Animal Behavior Society Meeting*. Albuquerque, NM.
- Leberg, P.L. and S.T. **Walter**. 2012. Colonial nesting bird use of mangroves in coastal Louisiana: opportunities and challenges. *USGS Mangrove Expansion, Climate Change and Sea-level Rise Workshop*. Lafayette, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2012. Habitat degradation, hurricane, and oil spill effects on Brown Pelican ecology and conservation. *University of Louisiana at Lafayette Dissertation Seminar*. Lafayette, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2011. Brown Pelican colony initiation attempts: translocations and decoys. *University of Louisiana at Lafayette Biology Graduate Student Symposium*. Lafayette, LA. (1st place best student presentation)
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2011. Coastal management recommendations based on ecology of Brown Pelican colony success and

- failure. American Shore and Beach Preservation Association Meeting. New Orleans, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2011. Ecological factors influencing the success and failure of two Brown Pelican colonies. *Louisiana Association of Professional Biologists Symposium*. Lafayette, LA. (1st place best student presentation)
- Longest, S.M., S.T. **Walter**, K.M. Ottewell, P.L. Leberg, and J. Karubian. 2011. The population structure of Brown Pelicans in the Gulf of Mexico. *American Ornithologists Union Meeting*. Jacksonville, FL.
- Ottewell, K., Z. Cheviron, P. Leberg, S. Longest, S. **Walter**, and J. Karubian. 2011. Stress response of Brown Pelicans to PAH exposure from the Macondo (Deepwater Horizon) MC 252 oil spill. *Ecological and Evolutionary Genomics Meeting*. Biddeford, ME.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, G. Athrey, and P.L. Leberg. 2011. Coastal ecology of Brown Pelican movement patterns and population structure. *Waterbird Society Meeting*. Grand Island, NE.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, P.L. Leberg, and G. Athrey. 2010. Coastal ecology of Brown Pelican movement patterns and population structure. *University of Louisiana at Lafayette Biology Graduate Student Symposium*. Lafayette, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2009. Hurricane impacts on Brown Pelican nesting colonies. *Waterbird Society Meeting*. Cape May, NJ.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2009. Hurricane impacts on Brown Pelican nesting colonies. *University of Louisiana at Lafayette Biology Graduate Student Symposium*. Lafayette, LA. (1st place best student presentation)
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2009. Hurricane impacts on Brown Pelican nesting colonies. *Louisiana Association of Professional Biologists Symposium*. Lafayette, LA. (2nd place best student presentation)
- Greenberg, C.H. and S.T. **Walter**. 2009. Fleshy fruit removal and nutritional composition of winter-fruiting plants: A comparison of native and non-native invasive species in the southern Appalachians. *Association of Southeastern Biologists Meeting*. Birmingham, AL.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2009. Brown Pelican ecology and conservation on Les Isles Dernieres Refuge, Louisiana. *University of Louisiana at Lafayette Biology Departmental Seminar*. Lafayette, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2007. Translocation of Brown Pelicans to establish a new colony on Whiskey Island, Louisiana (poster). *Louisiana Association of Professional Biologists Symposium*. Lafayette, LA. (2nd place best student poster)

- **Walter**, S.T. and C.C. Maguire. 2003. Created snags, cavity-nesting birds, and silvicultural treatments in the Oregon Coast Range. *Oregon State University Forest Science Departmental Seminar*. Corvallis, OR.
- **Walter**, S.T. and C.C. Maguire. 2002. Created snags, cavity-nesting birds, and silvicultural treatments in the Oregon Coast Range. *Western Forestry and Conservation Association Workshop*. Wilsonville, OR.
- **Walter**, S.T. and C.C. Maguire. 2002. Created snags, cavity-nesting birds, and silvicultural treatments in the Oregon Coast Range. *Oregon Chapter of The Wildlife Society Meeting*. Gleneden Beach, OR.
- **Walter**, S.T. and C.C. Maguire. 2001. Created snags, cavity-nesting birds, and silvicultural treatments in the Oregon Coast Range. *Oregon State University Research and Extension Forum*. Corvallis, OR.
- **Walter**, S.T. 1995. Abundance and distribution of three species of rainforest frogs in Queensland, Australia. *Nebraska Academy of Sciences Meeting*. Lincoln, NE.

INVITED OUTREACH PRESENTATIONS (18)

- **Walter**, S.T. 2015. The power of birds in conservation. *Tulane University Biology Seminar*. New Orleans, LA.
- **Walter**, S.T. 2015. The power of birds in conservation. *Loyola University Biology Seminar*. New Orleans, LA.
- **Walter**, S.T. 2015. The power of birds in conservation. *University of New Orleans Biology Seminar*. New Orleans, LA.
- **Walter**, S.T. 2015. The power of birds in conservation. *Louisiana State University School of Renewable Natural Resources Seminar*. Baton Rouge, LA.
- Walter, S.T., N. González, M. Darkes, J. Loor, B. Brosi, I. Hinojosa, M. González, and J. Karubian. 2014. Orchid bees in forest fragments of Ecuador (poster). Foundation for the Conservation of the Tropical Andes Environmental Fair. La Y, ECUADOR.
- Castillo, F., J. Rivero, A. Moreno, M. González, S.T. **Walter**, and J. Karubian. 2014. Understory bird diversity in forest fragments in the Mache-Chindul Ecological Reserve, Ecuador (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.
- Olivo, J., L. Browne, M. González, S.T. **Walter**, and J. Karubian. 2014. Birds of the Chocó in danger of extinction (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.
- Darkes, M., J. Loor, N. González, J. Freile, M. González, S.T. **Walter**, and J. Karubian. 2014. Diversity of nocturnal birds in forest fragments in Ecuador (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.

- Pazmiño-Armijos, G., O. Castillo, J.M. Guayasamín, M. González, S.T. **Walter**, and J. Karubian. 2014. Amphibian diversity in forest fragments in the Mache-Chindul Ecological Reserve, Ecuador (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.
- Browne, L., M. González, S.T. **Walter**, and J. Karubian. 2014. Night life: A study with camera traps (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.
- Pojota, J., N. Allan, E. Enriquez, N. González, J. Loor, M. González, S.T. **Walter**, and J. Karubian. 2014. Structure and composition of beetle communities in forest fragments in the Mache-Chindul Ecological Reserve, Ecuador (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.
- Darkes, M., A. Molina, P. Jarrin, M. González, S.T. **Walter**, and J. Karubian. 2014. Forest fragmentation effects on the diversity soil bacteria in northwest Ecuador (poster). *Foundation for the Conservation of the Tropical Andes Environmental Fair*. La Y, ECUADOR.
- **Walter**, S.T. 2014. Academic and world explorations as a biologist. *Nebraska Wesleyan University Seminar*. Lincoln, NE.
- **Walter**, S.T., P.L. Leberg, J.J. Dindo, and J. Karubian. 2012. Brown Pelican colony dynamics and population regulation factors. *Louisiana State University Biology Seminar*. Baton Rouge, LA.
- **Walter**, S.T., J.J. Dindo, P.L. Leberg, and J. Karubian. 2012. Factors influencing nesting and foraging success of Brown Pelicans. *Tulane University and East China Normal University EcoPartnership Forum*. New Orleans, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2010. Ecological and conservation research perspective on the Brown Pelican's precarious past and potentially perilous future in Louisiana. *Tulane University Biology Seminar*. New Orleans, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2009. Brown Pelican ecology and conservation on Les Isles Dernieres Refuge, LA. *Cajun Coast Visitors and Convention Bureau Seminar*. Morgan City, LA.
- **Walter**, S.T., M.R. Carloss, T.J. Hess, and P.L. Leberg. 2007. Brown Pelican ecology and conservation on Les Isles Dernieres Refuge, Louisiana. *Optimist Club Presentation*. New Iberia, LA.

GRANTS AND SCHOLARSHIPS

TULANE UNIVERSITY (Post-doctoral Research)

Walter, S.T., P. Leberg, K. Craig, K. Purcell, and J. Karubian. Effects of hypoxia on Brown Pelican foraging ecology and demographic processes. National Geographic Society, Committee for Research and Exploration Grant. (\$20,000)

UNIVERSITY OF LOUISIANA AT LAFAYETTE (Ph.D.)

2011, 2009 CEET Best Student Presentation Research Grant (\$500 total)

2011, 2009, 2006 Graduate Student Organization Grant (\$860 total)

2011 Huner Grant (\$100)

2010 Louisiana Coastal Conservation Association Scholarship for

Outstanding Research (\$4000)

2008 – 2010 Rockefeller Louisiana Wildlife Scholarship (\$4500 total)

OREGON STATE UNIVERSITY (M.S.)

Forest Science Study Abroad Grant (\$2000)
Richard Dilworth Memorial Scholarship

ACADEMIC SERVICE AND RECOGNITION

JOURNAL MANUSCRIPT REVIEWS

Journal of Wildlife Management

Waterbirds

Endangered Species Research

Southeastern Naturalist

Journal of Coastal Research

PUBLIC COVERAGE

Coverage of my Brown Pelican research in National Geographic, October 2009

Coverage of my Brown Pelican and coastal conservation research in several regional newspaper, magazine, and television outlets

INTERNATIONAL EXPERIENCE (> 5 years total)

NORTH AMERICA

Canada, México, Guatemala, Belize, El Salvador, Honduras, Nicaragua, Costa Rica, Panamá

SOUTH AMERICA

Colombia, Ecuador

AUSTRALIA / OCEANIA

Australia, New Zealand

ASIA

Indonesia, South Korea

EUROPE

France, Spain, Italy

FOREIGN LANGUAGES

SPANISH Fluent: 1996 – present

FRENCH Conversational: 2006 – present

Q'EQCHI' (MAYAN) Fluent: 1996 – 1998

INDONESIAN Beginner: 2000

REFERENCES

Dr. Wendy Schluchter (Adjunct Teaching Supervisor, 2015)

Professor and Department Chair, Department of Biological Sciences

University of New Orleans, 2000 Lakeshore Drive

New Orleans, LA 70148 Phone: (504) 280-7194 E-mail: wschluch@uno.edu

Dr. Jordan Karubian (Post-doctoral Advisor, 2012 – 2014)

Associate Professor, Department of Ecology and Evolutionary Biology

Tulane University, 400 Lindy Boggs Center

New Orleans, LA 70118 Phone: (504) 865-5549 E-mail: jk@tulane.edu

Dr. Paul L. Leberg (Ph.D. Advisor, 2006 – 2012)

Professor and Department Head, Department of Biology University of Louisiana at Lafayette, P.O. Box 42451

Lafayette, LA 70504

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