

AWARDS AND HONORS

2014 – Fellow, American Ornithological Society

Wildlife Society Bulletin 45:267-273.

- (57) ***DiMaggio, K. N. G. Perlut, and A. M. Strong. 2020. Mixed consequences of divorce on reproductive success of songbirds nesting in agricultural hayfields. *The Wilson Journal of Ornithology* 132:241–247.
- (56) **Hansen, C. F., P. G. Schaberg, A. M. Strong, S. A. Rayback, and G. J. Hawley. 2020. LiDAR helps differentiate stand health and

VerCauteren. 2013. Opportunities and challenges to implementing bird conservation on private lands. *Wildlife Society Bulletin* 37:267–277.

(4

- implications for winter habitat use. *The Auk: Ornithological Advances* 117:381-392.
- (10) Johnson, M. D., and A. M. Strong. 2000. Length-weight relationships of Jamaican arthropods. *Entomological News* 111:270-281.
 - (9) Strong, A. M., T. W. Sherry, and R. T. Holmes. 2000. Bird predation on herbivorous insects: indirect effects on sugar maple saplings. *Oecologia* 125:370-379.
 - (8) Strong, A. M., G. T. Bancroft, and S. D. Jewell. 1997. Hydrological constraints on Tricolored Heron and Snowy Egret resource use. *The Condor: Ornithological Applications* 99:894-905.
 - (7) Bancroft, G. T. and A. M. Strong. 1996. The Yellow-crowned Night-Heron. Pages 450-456 *in* J. A. Rodgers, Jr., H. W. Kale II, and H. T. Smith (Eds.). *Rare and endangered Biota of Florida, Volume V, Birds*. University Presses of Florida, Gainesville.
 - (6) Bancroft, G. T., A. M. Strong, and M. E. Carrington. 1995. Deforestation and its effects on forest nesting birds in the Florida Keys. *Conservation Biology* 9:835-844.
 - (5) Strong, A. M., and G. T. Bancroft. 1994. Postfledging dispersal of White-crowned Pigeons: implications for conservation of deciduous seasonal forests in the Florida Keys. *Conservation Biology* 8:770-779.
 - (4) Bancroft, G. T., A. M. Strong, R. J. Sawicki, W. Hoffman, and S. D. Jewell. 1994. Relationships among wading bird foraging patterns, colony locations, and hydrology in the Everglades. Pages 615-657 *in* S. M. Davis and J. C. Ogden (eds.). *Everglades: The ecosystem and its restoration*. St. Lucie Press, Delray Beach, FL.
 - (3) Strong, A. M., and G. T. Bancroft. 1994. Patterns of deforestation and fragmentation of mangrove and deciduous seasonal forests in the upper Florida Keys. *Bulletin of Marine Science* 54:795-804.
 - (2) Strong, A. M., R. J. Sawicki, and G. T. Bancroft. 1994. A population estimate of White-crowned Pigeons based on flight-line counts. *Journal of Wildlife Management* 58:156-162.
 - (1) Strong, A. M., R. J. Sawicki, and G. T. Bancroft. 1991. Effects of predator presence on the nesting distribution of White-crowned Pigeons in Florida Bay. *Wilson Bulletin* 103:415-425.

Other peer-

- England, Hanover, NH and London.
- (13) Strong, A. M. 2013. Ring-necked Duck (*Aythya collaris*). Pages 92-93 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (12) Strong, A. M. 2013. Common Goldeneye (*Bucephala clangula*). Pages 94-95 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (11) Strong, A. M. 2013. Red-breasted Merganser (*Mergus serrator*). Pages 100-101 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (10) Strong, A. M. 2013. Black-throated Blue Warbler (*Setophaga caerulescens*). Pages 364-365 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (9) Strong, A. M. 2013. Red-winged Blackbird (*Agelaius phoeniceus*). Pages 436-437 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (8) Strong, A. M. 2013. Common Grackle (*Quiscalus quiscula*). Pages 442-443 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (7) Strong, A. M. 2013. Brown-headed Cowbird (*Molothrus ater*). Pages 444-445 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (6) Strong, A. M. 2013. Baltimore Oriole (*Icterus glabula*). Pages 448-449 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (5) Strong, A. M. 2013. Purple Finch (*Carpodacus purpureus*). Pages 450-451 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (4) Strong, A. M. 2013. House Finch (*Carpodacus mexicana*). Pages 452-453 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England, Hanover, NH and London.
 - (3) Strong, A. M. 2013. American Wigeon (*Anas americana*). Page 467 in R. B. Renfrew, Editor. The Second Atlas of Breeding Birds of Vermont. University Press of New England,

- (2) Strong, A.M. and N.G. Perlut, U.S. Department of Agriculture, Natural Resources Conservation Service. 2010. Management considerations for grassland birds in northeastern haylands and pasturelands. Wildlife Insight No. 88. Washington, DC.
- (1) Bancroft, G. T., S. D. Jewell, and A. M. Strong. 1990. Foraging and nesting ecology of herons in the lower Everglades relative to water conditions. Final report to the South Florida Water Management District, West Palm Beach, Florida, USA.

GRANTS RECEIVED

- 2017 – Vermont Agency of Natural Resources: Connecting the Vermont Agency of Natural Resources and the Rubenstein School through experiential learning (PI), \$8,000.
- 2017 – National Institute of Food and Agriculture: Higher Education Multicultural Scholars Program, M. Ve-

- 2008 – McIntire-Stennis - Moose Herbivory: A Keystone Ecological Process in the Northern Forest (2 years, PI, ~\$13,000)
- 2007 – USDA/CSREES National Needs Graduate and Post-graduate Fellowship Grant Multicultural Doctoral Education in Ecosystem and Watershed Science: Meeting the Global Challenge of a Diverse Community of Scholars (\$229,500, PI – D. Wang, with co-PIs W. Bowden, J. Grove, A. Strong, A.M., A. Troy, A., and M. Watzin).
- 2006 – USDA/CSREES – Multicultural Fellows: Developing the Next Generation of Conservation Leaders at the University of Vermont (\$156,000, PI – D. Wang with co-PIs C. Ginger, M. Vea-Fagnant, J. Hughes, M. Watzin, and A. Strong)
- 2006 – University of Vermont Undergraduate Research Endeavors Competitive Awards - The Effects of Agricultural Management on Dialect Formation in Boblinks (1 year, \$4,000, Faculty mentor for Anastasia Yarbrough)
- 2005, 2006, 2007 – USDA/CSREES –Multicultural Scholars Program at UVM – The Rubenstein School of Environment and Natural Resources (\$120,000, D. DeHayes/Lawrence Forcier, PI's, with D. Wang, C. Newton, M. Erb, C. Ginger, J. Shane, A. Strong, and M. Vea-Fagnant, Co-PI's).
- 2005 – Northeastern States Research Cooperative - Implications of Acid Deposition-Induced Depletion of Soil Calcium for Insect Herbivores and Insectivorous Birds

1994 – Sigma Xi – Winter ecology of Ovenbirds and Swainson’s Warblers (1 year, \$812, PI).

STUDENT MENTORING

Primary Advisor, M.S.:

- 2004: Shustack, Daniel – Bobolink and Savannah Sparrow Habitat Selection in the Champlain Valley.
- 2004: Brooks, Regan – Priority marsh bird conservation in the southern Champlain Valley, Vermont.
- 2006: Andersen, Sally – Avian abundance, diversity, and habitat associations in major riparian corridors of Gates of the Arctic National Park, Alaska
- 2007: Zalik, Nathan: Effects of agricultural management on breeding Savannah Sparrows (*Passerculus sandwichensis*) mediated through food availability.
- 2008: Frey, Sarah - Metapopulation dynamics and multi-scale habitat selection of a montane forest songbird.
- 2008: Biasioli, Traynor – Using stable isotopes to understand seasonal interactions in a long-distance migratory songbird.
- 2009: Sutti, Flavio – Identifying priority conservation areas for grassland birds in the Champlain Valley of Vermont.
- 2010: Cline, Mason –Correlates and consequences of breeding dispersal in the Black-throated Blue Warbler.
- 2013: Novetti, Corinne – Comparing agency and interest group perspectives about public involvement in the management of Double-Crested Cormorants on Lake Champlain: An exploratory study.
- 2013: McDonald, Michael –Multitrophic interactions: Moose herbivory affects nest site selection.
- 2014: Gulka, Allison – Effects of habitat fragmentation and spatial scale on avian nest success in the Champlain Valley of Vermont.
- 2015: Peterson, Christine – Habitat use by early successional bird species along powerline rights of way: Making connections with private landowners.
- 2015: Hansen, Christopher – LiDAR remote sensing of forest canopy structure: An assessment of the accuracy of LiDAR and its relationship to higher trophic levels.

Primary Advisor, PhD:

- 2007: Perlut, Noah – Effectts of Hayfield Management on Grassland Songbirds: Behavioral Responses and Population Processes.
- 2007: Schwenk, Scott. Interactions among birds, insects, trees and the Eenvironment in a northern forest ecosystem.
- 2015: Sutti, Flavio – Importance of agricultural systems as multifunctional landscapes.

Primary Advisor, Post-doctoral Fellows:

2009-2010: Perlut, Noah

Committees MS:

Hughes, Megan (2003), Kart, Jon

Univ., 2014), Lkhagvasuren, Myaga (2015), Deely, Kat (2015), Cassidy, Lisa (SUNY Albany) (2017), Woods, Andy (2018), Neuhaus, Alyssa (2022). Lacey, Matt (in progress), Drasher, Caitlin (in progress),

Committees PhD:

Bonter, David (2003), Sullivan, Mazeika (2004), Cornell, Kerri (2007), Martinsen, Ellen (2009), Goodall, Katie (2013), Katz, Jonathan (2015), Balantic, Cathleen (2019).

Undergraduate Honors Theses (advisor):

2002: Chandler, Richard

Environmental Studies Senior Theses (advisor):

2002: Holmgren, Amanda – The territorial responses of six songbirds to ski trails at Smugglers Notch resort and Stowe Mountain resort, Vermont

2014: Nolting, Kyle – Ecology and management of shrubland birds: the Golden-winged Warbler

Other advising activities:

2003-2006: Advisor for UVM Living Learning Suite WILD

2005-2008: Faculty advisor for UVM student club STAR

2008-2010: Faculty advisor for the UVM student chapter of The Wildlife Society

2001, 2003, 2014, 2017-present: First year advisor in the Rubenstein School (17-23 students)

2002, 2004-present: Faculty advisor for Wildlife and Fisheries Biology students (14-43 students)

2001-Present: Advisor for 37 internships

2005: Advisor for two McNair Scholars (program to increase the number of first generation lower income and underrepresented minority students who earn a PhD)

TEACHING EXPERIENCE**Courses taught - University of Vermont***Primary undergraduate responsibilities:*

Field Ornithology (2010-present, 2 week field-intensive summer course; 25 students)

Population and Habitat Measurements (2010-present, 1 week field-intensive summer course; 20 students)

Florida Wildlife Ecology (2005-2018, travel course alternate years; 11 students)

Texas Wildlife Ecology (2008-2017, travel course alternate years; 11 students)

D1: Power, Privilege and Environment (2012-2014, 2017-2020; 20-70 students)

Principles of Wildlife Management (1999-2011, 2019; 40-76 students)

Ornithology (2000-2010, 2020-21; 40-100 students)

Conservation Biology (2000, 2002-2010; 30-60 students)

Critical Reflection and Dialogue (2019; 20 students)

Introduction to Wildlife Biology and Forestry (2020, 2021; 45 students)

Undergraduate courses taught less frequently:

D1: Race and Culture in Natural Resources (Lead instructor 2008, 2009, 2018, and 2020; 130-178 students; discussion section leader 2001, 2003, 2014, 2017, 2018, and 2020; 20 students)

SU: Wildlife Conservation (2001-2003, 2018, 2019; 40-85 students)

Ecosystem Ecology (1999)

Wetland Wildlife Ecology (2010)

Primary graduate teaching responsibilities:

Envisioning a Sustainable Future (2013-present; 15-32 students)

Applied Ecology, Environment and Society (2014-2017; 19-27 students)

Graduate courses taught once or twice:

Habitat Fragmentation (2001, 2002)

Matrix Dynamics (2003)

Topics in Landscape Ecology (2005)

Avian Ecology (2007)

Multifunctional Agricultural Systems (2012)

Guest lectures at University of Vermont:

Abenaki Summer Happening Program (2013)
Agroecology short course (2011, 2013)
Applied Wildlife Management and Field Ecology (2013, 2015)
Climate, Forest, Community (2016, 2018)
Conservation Biology (2015)
Ecology and Evolution (2013)
Ecology for Sustainability (annual 2011-2017)
Ecology, Ecosystems, and Environment (2020)
Emerging Technologies and Health (2016)
Forest Conservation (annual)
Foundations of Sustainable Recreation (2018)
Measurements and Mapping (annual 1999-2013)
Natural History & Human Ecology (2018, 2019, 2020, 2021)
Natural Resource Ecology and Assessment I (annual 2014-2020)
Natural Resource Ecology and Assessment II (2015)
Nature and Culture (2017, 2018, 2019)
Ornithology (2012-2015)
Principles of Wildlife Management (2013, 2014)
Race and Culture in Natural Resources (2015, 2016, 2017)
Ski Area Management (annual)
Social Processes and the Environment (2010)
Wetland Ecology (2015)
Wetland Wildlife Ecology (2011, 2012)
Wildlife and Society (2009, 2011)
Wildlife Conservation (2005, 2007, 2009, 2010, 2013, 2014)

INVITED PRESENTATIONS

2021 - Birds of Winooski and Burlington (Burlington Wildways City Nature Series)
2021 - Taking Steps to Encourage Diversity, Equity and Inclusion Within the Fish and Wildlife Profession: The Perspective from Higher Education (Plenary - Northeastern Fish and Wildlife Conference, coauthor Marie Vea)
2020 – Conserving Grassland Birds in Agricultural Landscapes (Rochester Birding Association)
2020 – Payment for Ecosystem Services as a Tool for Wildlife Conservation: The Bobolink Project (University of Maine, Orono, Department of Wildlife, Fisheries, and Conservation Biology seminar series)
2017 – The Bobolink Project (Missisquoi NWR International Migratory Bird Day)
2017 – Birds of the Burlington Bike Path (Burlington Geographic)
2017 – Nature Notes (South Burlington Land Trust Annual Meeting)
2016 – Species of Greatest Conservation Need: Nongame Wetlands Birds (Vermont Fish and Wildlife Department Staff Retreat)
2016 – Bird Basics: Wonders of the Natural World (Green Mountain Audubon)
2015 – Bye Bye Birdie: The state of Vermont’s Birds (Science Pubs – Rutland Free Library)
2015 – Avian Ecology and Conservation (Vermont Commons School)

- 2014 – Is Vermont an Island? How Does Science Inform Endangered Species Conservation?
(Loon to Lynx Celebrating the 40th anniversary of the Endangered Species Act (Vermont
Agency of Natural Resources)
- 2014 – Avian Migration: Links to energy and communication development in Vermont
(Vermont Agency of Natural Resources)
- 2014 –

- population viability (Louisiana State University)
- 2003 – Quantifying habitat quality for migratory birds across a disturbance gradient: Are we setting ecological traps? (Rutgers University)
- 2003 – Agriculture and Wildlife (Vermont Grazing Conference)
- 2002 – Bugs: It’s what’s for dinner! Prey abundance as a determinant of habitat quality for migratory birds (University of Maine, Orono seminar series)
- 2001 – Effects of Mountain Resorts on Wildlife Habitat (Mountain Resorts: Ecology and the Law; Dartmouth College and Vermont Law School)

MEDIA COVERAGE

Grassland bird conservation

[Boston Globe](#)

[Audubon Magazine](#)

[VPR](#)

[UVM Communications](#)

[Cornell Extension](#)

[Country Folks](#)

[UVM YouTube](#)

[Public access](#)

[Across the Fence](#)

[Across the Fence](#)

(Many other local media stories no longer archived)

Other

[Vermont Quarterly](#)

[UVM Faculty Feature](#)

[Burlington Free Press](#)

CONTRIBUTED PRESENTATIONS AT SCIENTIFIC MEETINGS

Recent presentations:

- Using field-based research to incentivize bird-friendly hayland management in New England. **A. Strong**, T. Alexander, N. Perlut. (Oral). 2018 Northeastern Association of Fish and Wildlife Agencies (Regional)
- Natal dispersal: A Tool for Grassland Bird Conservation. **A. Strong** and N. Perlut. (Oral). 2018 Northeastern Naturalists Conference (Regional).
- Revitalizing natural resources core curriculum: Rubric-based assessment and collaborative design M. Burke, **A. Strong**, W. Poleman, and A. Yin (Oral/Workshop). 2018 Biennial Conference on University Education in Natural Resources (National).
- The Bobolink Project: Payment for Ecosystem Services for Grassland Bird Conservation. **A. Strong**, S. Swallow, L. Chase, and A. Chakrabarti. (Oral). 2016 North American Ornithological Conference (International).
- A multicriteria decision analysis approach for identifying priority conservation areas for grassland birds. **A. Strong** (Oral). 2016 Northeast Natural History Conference (Regional).

- Stephen Swallow, Anwasha Chakrabarti, Chris Anderson, Pengfei Liu, Allan Strong and Lisa Chase. 2014. Generating revenue from “consumers” for ecosystem services: Lessons from Bobolink farming. A Community on Ecosystem Services (ACES) annual meeting (National).
- Perlut, N., and **A. Strong**. (Poster). 2013. PVA's beware: Greater than expected first-year survival rates for migratory songbirds. International Society for Conservation Biology.
- Perlut, N., and **A. Strong**. (Oral). 2012. Evaluating the 50% assumption: Greater than expected first-year survival rates for migratory songbirds. 2012 Annual Meeting, Ecological Society of America (International).
- Delayed second cuts: A new Farm Bill program to increase grassland bird nest success. **A. Strong** and N. Perlut. (Oral). 2009 American Ornithologists' Annual Meeting (International).
- Natal, breeding, and within-season dispersal in Bobolinks: Implications for management, conservation, and populations dynamics. **A. Strong** and N. Perlut. (Oral). 2008 American Ornithologists' Annual Meeting (International).
- When good birds select bad habitat: grassland birds in an agricultural landscape. **A. Strong**, T. Donovan, N. Perlut, N. Buckley. (Poster). 2006 North American Ornithological Conference (International).
- Are hayfields ecological traps for grassland songbirds? Habitat selection and reproductive success of Bobolinks and Savannah Sparrows in agricultural landscapes. **A. Strong**, T. Donovan, N. Perlut, and N. Buckley. (Oral). 2005 Cooper Ornithological Society Annual Meeting (National).
- Land use patterns as an ecological trap for Bobolinks in the Champlain Valley. **A. Strong**, N. Perlut, D. Shustack, K. Puryear. (Oral). 2004 American Ornithologists' Union Annual Meeting (International).
- Can prey abundance be used as a measure of habitat quality for insectivorous passerines? **A. Strong**, T. Sherry, C. Rimmer, K. McFarland. (Oral). 2003 Wildlife Society Annual

The importance of scale in determining site occupancy patterns for a montane forest songbird in Vermont. **S. F. Frey**, A. Strong, D. Lambert, and J. Hart. 2008 American Ornithologists' Annual Meeting (International).

Habitat

2012 – External evaluator (for promotion and tenure) - University of Delaware
2012-15

2016 – Search Committee – Assistant to the Associate Deans (co-chair)
2016 – Search Committee – Research Assistant Professor in Environmental Science (Chair)
2016 – Search Committee – Associate Professor in Environmental Science (co-chair)
2015 – Search committee – Assistant to the Associate Deans (Chair)
2015 – Search committee – Executive Assistant to the Dean (member)
2014-2019 – RSENR Leadership Team (member)
2013 – Mount Mansfield Science and Stewardship Center Steering committee (member)
2011-12 – RSENR Strategic Planning Committee (member)
2009 – RSENR Ad hoc Core Curriculum Committee (member)
2008-11, 2018-2020 – RSENR Honors and Studies Committee (member, chair 2011)
2009 – Mammalian Ecologist Search Committee (member)
2008-2011, 2014 –Wildlife and Fisheries Biology Program Director
2007-11 – Co-chair Forest and Wildlife Science M.S. concentration
2007 – RSENR Space committee (member)
2007 – RSENR ad hoc Business Practices committee
2004