

Matthew D. Palumbo, Ph.D

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EDUCATION

Ph.D. Biology: University of Western Ontario. December 2017. London, Ontario, N6A 3K7, Canada

M.S. Wildlife and Fisheries Science: Mississippi State University. May 2010. Starkville, Mississippi, 39759

B.S. Wildlife Science: State University of New York College of Environmental Science and Forestry.
December 2005. Syracuse, New York, 13210

RELEVANT WORK EXPERIENCE

Wildlife Biologist (1/2019 – *Currently*):

New York State Department of Environmental Conservation, Division of Fish and Wildlife, Wildlife Bureau, Wildlife Diversity Unit. 625 Broadway, Albany NY 12233; Kathy O'Brien (518) 402-8864.

Non-Game Bird Biologist - Central Office.

- Assist with the compilation of survey and monitoring data provided by regional staff.
- Manage and analyze data to assess the status of bird species and prepare reports on the results of bird conservation projects.
- Develop proposals to meet nongame bird conservation priorities.
- Draft projects to be included in grant agreements and may also include the drafting of contracts for work that cannot be implemented by Department staff.
- Assist with the review of projects that will impact bird species and their associated habitats.
- Represent the department in regulatory proceedings by preparing written recommendations, providing public presentations, and providing testimony on legal proceedings in support of the departments bird conservation programs.
- Represent the department as the New York State Non-game Bird Technical Section representative to the Atlantic Flyway Council
- Member of the steering committee and design and analysis committee for the third Breeding Bird Atlas.
- Represent the department as a participant in conservation management plans initiated by the Atlantic Coast Joint Venture.
- Member of the Bird and Mammal Diversity team within the Wildlife Diversity Unit.
- Supervise one technician that assists with data compilation, management, and report writing.

Research Associate (2/2018 – 1/2019):

University of Wisconsin Stevens Point, Department of Natural Resources, 800 Reserve Street, Stevens Point, WI 54481; Jacob Straub (715-346-3323).

Revision of the “Wisconsin Plan”: The Waterfowl and Wetlands Conservation Strategy.

- Worked with Wisconsin Department of Natural Resources, U.S. Fish and Wildlife Service, Ducks Unlimited, U.S.D.A. Natural Resources Conservation Service, and University of Wisconsin Stevens Point partners to develop spatially explicit priority regions and focal areas for the state of Wisconsin to prioritize wetland and waterfowl conservation.
- Assisted with assessing accomplishments of waterfowl habitat projects through Wisconsin priority regions and focal areas as they relate to the biological objectives within the Upper Mississippi River and Great Lakes Region Joint Venture.
- Synthesized land cover changes since 1992 within priority landscapes of Wisconsin.
- Used the Wisconsin Waterfowl Breeding Population Survey data to estimate changes in breeding duck abundance since 1992 by focal species.

- Worked with project partners to apply the Upper Mississippi River and Great Lakes Region Joint Venture decision support tool for targeting waterfowl habitat delivery to Wisconsin.
- Identified additional data sets and conservation partners to integrate into the Wisconsin decision support tool to deliver waterfowl and wetland conservation.
- Provided support to the University of Wisconsin Stevens Point Kennedy-Grohne Chair in Waterfowl and Wetlands Conservation graduate student.
- Ad-Hoc Committee member for the Wisconsin Waterfowl Management plan revision.

Associate Scientist (2/2016 – 09/2016):

Long Point Waterfowl/Bird Studies Canada, P.O. Box 160, Port Rowan, Ontario, N0E 1M0, Canada; Michael Schummer (585-319-6763).

Long Point Waterfowl Program of Bird Studies Canada

- Assist with requests for funding, reporting, and continued communications with Long Point Waterfowl funders.
- Assist the Long Point Waterfowl Interim-Scientist in delivery of the Long Point Waterfowl science program
- Coordinate with Long Point Waterfowl's Scientific Advisory Committee through the Interim-Scientist
- Assist with executing the strategic plan and developing future partnerships for Long Point Waterfowl
- Coordinate Long Point Waterfowl student attendance and invoices for the 2016 North American Duck Symposium.

Graduate Research Assistant (9/2013 – 12/2017):

Western University, Department of Biology, London, Ontario, N6A 3M3, Canada; Scott Petrie (519-718-1371); Long Point Waterfowl, Port Rowan, Ontario, N0E 1M0, Canada,

Habitat Selection, Survival, and Departure of Great Lakes Mallards, at Lake St. Clair Ontario Canada

- Developed research objectives and study design to investigate how adult female mallards are navigating a dynamic landscape of resources and risks at Lake St. Clair, Ontario, Canada to understand influences on survival and migration ecology.
- Coordinated trapping and banding operations of waterfowl to deploy ~60 GPS transmitters on adult female mallards at Lake St. Clair.
- Monitored movement and survival of GPS equipped mallards via internet portals and VHF radio telemetry.
- Compiled and digitized regional habitat classifications from contact with local area managers, and government and public databases.
- Recorded morphological body measurements on mallards that were trapped and harvested throughout the hunting seasons.
- Established and maintained cooperative relationships with provincial, federal, and private stakeholders.
- Assisted with expanding the scope of the project with researchers and managers at Winous Point Marsh Conservancy, Port Clinton, OH, USA.
- Hired, trained, supervised, and managed field technicians and volunteers to assist with trapping, banding, and monitoring waterfowl.
- Developed research grant proposals.
- Administered the Long Point Waterfowl Mallard Tracker Program; an interactive internet-based tracking system to monitor GPS equipped ducks and fundraiser.
- Participated as a member of the Friends of Long Point Waterfowl Lake St. Clair Chapter fundraising committee.
- Presented updates and project results to the Long Point Waterfowl Scientific Advisory Committee, Western University Department of Biology, the scientific community, and the public through oral presentations, written reports.

Wildlife Biologist (07/2011 – 07/2013):

United States Department of Agriculture, Animal & Plant Health Inspection Service, Wildlife Services Westchester County Airport, White Plains New York, 10604; Ken Preusser (518-477-4837)

Wildlife Hazard Management at Westchester County Airport, New York

- Responsible for projects of various complexity to perform wildlife hazard damage management activities to protect human health and safety.
- Ensured adherence to federal, state and local codes concerning health, safety, and the environment.
- Conducted Wildlife Hazard Assessments and routine monitoring of wildlife populations and habitats.
- Used monitoring data to develop and implement the airport's Wildlife Management Plan.
- Developed and implemented wildlife hazard management training for airport operations staff to comply with Federal Aviation Association regulations
- Assisted supervisor in the development and conduct of National Environmental Policy Act processes and documents.
- Assist Westchester County Airport with all permitting of take of federally and state managed wildlife
- Prepare and implement wildlife related briefings to Airport Operations.
- Establish and maintain cooperative relationships with local, state and federal agencies, organizations, institutions, industry groups, and individuals in meeting program needs and goals.
- Modify or adapt established damage control techniques as necessary to meet local conditions and address specific environmental, economic, and political considerations.
- Communicate and promote safe and effective damage control techniques to the public.
- Recommended areas for potential research or developmental study.
- Supported Wildlife Services safety program and procedures through participation in meetings, inspections, and implementation of safety requirements and protocols.
- Prepare scientific and administrative program reports.

Cooperative Regional Wildlife Biologist (07/2010 – 06/2011):

National Wild Turkey Federation, 770 Augusta Road Edgefield SC 29824; Brian Zielinski (386-740-7107)

Cooperative Regional Wildlife Biologist for the National Wild Turkey Federation (NWTF), Florida Fish and Wildlife Conservation Commission (FWCC) and Florida Division of Forestry (FDOF) in Florida

- Identified and developed opportunities for habitat enhancement projects which benefit wild turkeys and other wildlife on public lands throughout the state.
- Identified opportunities to expand existing FWCC/NWTF Cost-Share habitat projects on FDOF lands where potential exists for additional matching dollars.
- Provided recommendations for improving wildlife/turkey habitat on all State Forest lands and/or WMA's and provide a consultation resource on comprehensive forest plans.
- Provided wildlife consultation to FDOF's county foresters, FWCC's biologists, and private landowner as needed and provide them information on NWTF's regional habitat programs.
- Worked to educate landowners through field days and workshops.
- Assisted with outreach events that target youth and disabled persons to experience the outdoors and natural resource conservation.
- Assisted in administering the NWTF's Hunting Heritage Super Fund program.
- Worked closely with Florida State Chapter of the NWTF.

Research Assistant (05/2010 – 07/2010):

Mississippi State University, Department of Wildlife & Fisheries, Mississippi State MS 39762-9690; Dr. Francisco Vilella (662-325-0784)

Rapid Assessment and Habitat Suitability Model of *Solanum conocarpum* in St. John, U.S. Virgin Islands

- Coordinated with U.S. Fish and Wildlife Service biologist to locate known populations of *S. conocarpum*.
- Coordinated with USFWS biologist to survey vegetation at sites of know populations of *S. conocarpum* to document habitat characteristics.
- Worked with National Park Service and private landowners to document recent history of populations, conservation actions, and level of vulnerability.
- Independently performed population surveys for *S. conocarpum* across St. John USVI.
- Compiled GIS layers from the NPS for creation of GIS based habitat suitability model.

- Created a GIS based habitat suitability model to document areas of St. John USVI that have suitable habitat for *S. conocarpum* populations to exist.
- With USGS research scientist assessed the level of vulnerability that *S. conocarpum* is experiencing based on USFWS criteria for listing as an endangered species through formal reports.

Field Technician (04/2010 – 05/2010):

Mississippi State University, Department of Wildlife & Fisheries, Mississippi State MS 39762-9690; Amy Spencer (662-648-9647)

Landscape Survey of Crayfish Production in Moist Soil Areas of the Mississippi Alluvial Valley (MAV)

- Assisted PhD student with deployment of crayfish traps in moist soil units on federal, state, and private property through the MAV.
- Assisted with the trapping and processing of crayfish captured in the moist soil areas.

Graduate Research Assistant (1/2007 – 05/2010):

Mississippi State University, Department of Wildlife & Fisheries, Mississippi State MS 39762-9690; Dr. Francisco Vilella (662-325-0784)

Eastern Wild Turkey Gobbling Chronology Study and Assessment of Mississippi Department of Wildlife Fisheries & Parks Wild Turkey Data

- Performed pilot analysis with gobbling call count survey data from Arkansas and Louisiana in preparation to develop a protocol for Mississippi.
- Developed a statewide survey protocol to monitor the spatial and temporal differences in peak gobbling activity of wild turkeys.
- Independently hired, trained, supervised, and managed field crews of 1 to 5 technicians to perform call count surveys monitoring gobbling activity.
- Provided orientation on survey protocol to state wildlife agency personnel.
- Coordinated statewide survey efforts with state wildlife agency personnel and full time field crews.
- Compiled, organized and analyzed long term data sets to determine proper application in regard to wild turkey management throughout Mississippi.
- Presenting updates and project results to Mississippi Department of Wildlife Fisheries & Parks, the USGS Cooperative Research Unit, the scientific community, and the public through oral presentations, written reports, M.S. thesis and publications.

Forestry-Wildlife Technician (02/2006 – 12/2006):

Hoopa Tribal Forestry, Wildlife Department, Hoopa CA 95546; Sean Matthews (530-625-4284 Ext. 109)

Pacific Fisher Conservation Project on the Hoopa Valley Reservation

- Assisted in the capture and handling of Pacific fishers.
- Handling consisted of chemical immobilization, recording of morphological measurements, removal of vestigial pre-molar for aging, implementation of PIT tags and ear tags, obtaining tissue samples for genetic identification, perform rectal swabs and ecto parasite removal for disease analysis, obtain blood sample, equipping VHF radio collars and administering chemical reversal of anesthetization.
- Independently radio tracked marked fishers to dens and rest sites using ground-based radio telemetry techniques.
- Assisted in fisher den investigations using climbing gear, tree top peeper and burrow cameras.
- Collected vegetation data around fisher rest and den sites.
- Checked remote hair collection, PIT tag and camera stations for population monitoring efforts.
- Entered data using ArcGIS-based GIS and MS Access databases.
- Assisted the black bear damage project by collecting hair samples at damaged trees for genetic identification and participated in the immobilization and handling of black bears for population monitoring and damage assessment.

International Study (12/2005 -01/2006)

State University of New York College of Environmental Science and Forestry Syracuse New York, Department of Environmental & Forest Biology Syracuse, New York 13210-2788; Dr. J. Scott Turner (315-470-6806)

Deserts of Southern Africa Course

- Traveled from northern Namibia to Cape Town, South Africa performing field exercises and attending ecological discussions on changes in ecosystems, geology, and animal evolution.
- Presented a final poster titled “Anthrax (*Bacillus anthracis*) in Etosha National Park, Namibia.”

Biochemistry Laboratory Assistant (09/2005 – 12/2005):

State University of New York College of Environmental Science and Forestry Syracuse New York, Department of Environmental & Forest Biology Syracuse, New York 13210-2788; Dr. Myron Mitchell (315-470-6765)

- Assisted in the pH recording of water samples.
- Cleaned glassware using acid bath procedures.
- Freeze dried soil samples.
- Prepared water and soil samples for analysis.
- Recorded data.

Field Technician (05/2005– 08/2005):

Cornell University, Department of Natural Resources, Ithaca NY 14853; Mike Wegan (636-484-0487)

Investigating Adversely Conditioning Black Bears from Nuisance Areas on Fort Drum Military Installation, Fort Drum New York, Project led by Dr. Paul Curtis.

- Assisted in the live trapping and handling of black bears.
- Handling consisted of chemical immobilization, removal of vestigial pre-molar for aging, obtaining hair and blood samples, equipping VHF radio collars and ear tags, and administering chemical reversal of anesthetization.
- Independently radio tracked marked bears using ground-based radio telemetry techniques
- Recorded and entered data using Microsoft Excel and Location Of A Signal (LOAS) software.
- Maintained and monitored hair snare devices and infrared trail cameras for population monitoring and damage assessment.

Field Assistant (05/2004 – 08/2004):

Adirondack Ecological Center, Newcomb New York 12852; Charlotte L. Demers (518- 582-4551)

- Assisted in the live trapping and handling of white-tailed deer.
- Independently radio tracked marked deer using ground-based radio telemetry techniques.
- Installed and maintained white-tailed deer exclosure plots.
- Nocturnal distance sampling for white-tailed deer using spot lights and range finders.
- Assisted in the live trapping and handling of beavers.
- Independently live trapped and handled small mammals.
- Conducted observational common loon surveys.
- Assisted with salamander surveys.
- Maintained trail systems.
- Recorded and entered data using Microsoft Excel.

TEACHING EXPERIENCE

- **Co-instruction** – University of Wisconsin Stevens Point – Wildlife 361/561 Waterfowl Ecology and Management – Fall 2018
- **Guest Lecture** – University of Wisconsin Stevens Point – Wildlife 350/550 Wildlife Management Techniques – Spring 2018
 - Assisted with lab by instructing students on waterfowl handling, recording morphometric measurements, and banding.
- **Teaching Assistant** – Western University – BIOLOGY FIELD COURSE Adirondack Forest Ecology – Summer 2017

- **Guest Lecture** – University of Wisconsin Stevens Point – Wildlife 350/550 Wildlife Management Techniques – Spring 2017
- **Teaching Assistant** – Western University – BIOLOGY FIELD COURSE Adirondack Forest Ecology – Summer 2016
- **Course Instructor** – Western University – BIOLOGY 3446B Wildlife Ecology and Management – Winter 2016
- **Teaching Assistant** – Western University – BIOLOGY FIELD COURSE Adirondack Forest Ecology – Summer 2015,
- **Lead Teaching Assistant** – Western University – BIOLOGY 3446B Wildlife Ecology and Management – Winter 2015.
 - **Recipient of the Department of Biology Teaching Assistant Award 2015**
- **Co-Supervisor undergraduate honors thesis** – Western University – Author Lauren Dehens: “*Clutch size, year, and nest density influence the number of eggs hatched from wood duck (*Aix sponsa*) nests in artificial nest boxes at Long Point, Ontario.*” – Winter 2015
- **Co-Supervisor undergraduate honors thesis** – Western University – Author Jacques Van Zyl: “*Starvation Thresholds and Metal Burdens in Waterfowl Wintering on the Great Lakes.*” – Winter 2015
- **Teaching Assistant** – Western University – BIOLOGY 2290 Scientific Methods in Biology – Intersession 2014.
- **Guest Lecture** – Western University – BIOLOGY 3446B Wildlife Ecology and Management – Winter 2014. “Wildlife Hazard Management at Airports.”
- **Teaching Assistant** – Western University – BIOLOGY 3446B Wildlife Ecology and Management – Winter 2014
- **Teaching Assistant** – Western University – BIOLOGY 1001A/1201A Biology for Science I/General Biology I - Fall 2013
- **Teaching Assistant** – Mississippi State University – WILDLIFE & FISHERIES 3133 Applied Aquatic and Terrestrial Ecology – Fall 2009

WORKSHOPS & VOLUNTEER EXPERIENCE

- Smithsonian-Mason School of Conservation MCCA 0511: Estimating Animal Occupancy and Abundance (8/15/2016 -8/26/2016)
- Known Fate Survival and Time to Event Modeling: The Wildlife Society Annual Conference 10/2015
- Canadian Wildlife Service Waterfowl Banding Course (07/28/14-07/30/14)
- Mid-Summer Aerial Mute Swan Survey with Long Point Waterfowl (08/14)
- Summer Canada Goose banding with the Canadian Wildlife Service (06/14)

SELECT PRESENTATIONS AND PUBLICATIONS

Peer Reviewed Articles

- B. Shirkey, **M.D. Palumbo**, and J. Simpson. Land cover switching in Autumn by female Mallards in Ohio. *Journal of Wildlife Management*. *In print*.
- **Palumbo, M. D.**, J. W. Kusack, D. C. Tozer, S. W. Meyer, C. Roy, and K. A. Hobson. 2020. Source areas of Blue-winged Teal harvested in Ontario and Prairie Canada based on stable isotopes: implications for sustainable management. *Journal of Field Ornithology* <https://doi.org/10.1111/jfo.12324>
- **Palumbo, M. D.**, D. Tozer, and K. Hobson. 2019. Origins of harvested mallards from Lake St. Clair, Ontario: a stable isotope approach. *Avian Conservation and Ecology* 14(2):3. <https://doi.org/10.5751/ACE-01389-140203>
- **Palumbo, M. D.**, F.J. Vilella, G. Wang, B.K. Strickland, D. Godwin, P.G. Dixon, and M. A. Lashley. 2019. Latitude and daily-weather effects on gobbling activity of Wild Turkeys in Mississippi. *International Journal of Biometeorology* 63:1059-1067 <https://doi.org/10.1007/s00484-019-01720-2>
- **Palumbo, M. D.**, S. Petrie, M. Schummer, B. Rubin, and S. Bonner. 2019. Mallard resource selection trade-offs in a heterogeneous environment during autumn and winter. *Ecology and Evolution* 9:1798-1808. DOI [10.1002/ece3.4864](https://doi.org/10.1002/ece3.4864)

- **Palumbo, M. D.**, J.P. Fleming, O.A. Monsegur, and F.J. Vilella. 2016. A Habitat Suitability Model of *Solanum conocarpum* (Solanaceae) in St. John, U.S. Virgin Islands. *Caribbean Naturalist* 36:1-10.
- **Palumbo, M.D.**, F.J. Vilella, B.K. Strickland, G. Wang, and D. Godwin. 2014. Brood Surveys and Hunter Observations Used to Predict Gobbling Activity of Wild Turkeys in Mississippi. *Journal of Fish and Wildlife Management* 5:151-156. DOI. 10.3996/032013-JFWM-023

Technical Reports

- **M.D. Palumbo** and S. Petrie. 2018. Mallard Use of Flooded Agriculture and Supplemental Foraging Sanctuaries While Staging and Wintering at Lake St. Clair, Ontario.
- Weaver, K. H. A., S. A. Petrie, S. E. Richman, **M. D. Palumbo**, M. E. Dyson, P. Brisco, and T. S. Barney. 2015. Waterfowl and Wetlands of the Lake St. Clair Region: Present Conditions and Future Options for Research and Conservation. Long Point Waterfowl, unpublished report. 134 pp.

Conference Proceedings

- **Palumbo, M. D.**, S. E. Richman, and S. A. Petrie. 2014. Long Point Waterfowl's Lake St. Clair Initiative: Habitat Selection and Survival of Waterfowl during Migration. Proceedings of the Great Lakes Wetlands Conservation Action Plan 2014 Great Lakes Wetlands Day.

Conference Presentations

- **Palumbo, M.D.**, S. A. Petrie, M. L. Schummer. 2017. Habitat selection adult female mallards in the Lake St. Clair Region during autumn and winter. The Wildlife Society 24th Annual Conference. September 26, 2017, Albuquerque, NM. USA
- **Palumbo, M.D.**, S. A. Petrie, M. L. Schummer. 2015. Habitat selection and survival of female mallards in the Lake St. Clair Region during Autumn and winter. North American Duck Symposium. February 1 – 5, Annapolis, MD. USA.
- **Palumbo, M.D.**, S. A. Petrie, M. L. Schummer. 2015. Habitat selection and survival of female mallards in the Lake St. Clair Region during Autumn and winter. The Wildlife Society 22nd Annual Conference. October 17-21. Winnipeg, Manitoba, CAN.
- **Palumbo, M.D.**, S. A. Petrie, M. L. Schummer. 2015. Habitat selection and survival of female mallards in the Lake St. Clair Region during Autumn and winter. Waterfowl and Wetlands Research, Management, and Conservation in the Lower Great Lakes: Partner's Forum. Winous Point Marsh Conservancy May 2015, Port Clinton, OH. USA
- **Palumbo, M.D.**, S. A. Petrie, M. L. Schummer. 2014. Habitat selection and survival of female mallards in the Lake St. Clair region during Autumn and winter. University of Western Ontario Biology Graduate Research Forum. October 2014, London, ON. CAN
- **Palumbo, M.D.**, S. A. Petrie, M. L. Schummer. 2014. Habitat selection and survival of female mallards in the Lake St. Clair Region during Autumn and winter. Waterfowl and Wetlands Research, Management, and Conservation in the Lower Great Lakes: Partner's Forum. Winous Point Marsh Conservancy May 2014, Port Clinton, OH. USA
- **Palumbo, M.D.**, F.J. Vilella, B.K. Strickland, G. Wang, and D. Godwin. 2009. The application of hunter observations and brood survey estimates to determine gobbling activity of the Wild Turkey throughout Mississippi. Poster presented at the Southeastern Association of Fish and Wildlife Agencies. November 1-5. Atlanta, GA. USA.
- **Palumbo, M.D.**, F.J. Vilella, B.K. Strickland, G. Wang and D. Godwin. 2008. Spatio-Temporal Variation in Gobbling Activity of the Wild Turkey in Mississippi. Poster presented at The Wildlife Society Annual National Conference, Student Research in Progress Session. November 8 – 12. Miami, FL. USA.
- **Palumbo, M.D.**, F.J. Vilella, B.K. Strickland, G. Wang and D. Godwin. 2008. Spatio-Temporal Variation in Gobbling Activity of the Wild Turkey in Mississippi. Oral presentation at The Wildlife Society Mississippi State Chapter Annual Meeting. October 2. Jackson, MS. USA.

Federal Reports

- **Palumbo, M.D.** 2012. Wildlife Hazard Assessment for Westchester County Airport, White Plains, NY.

- Vilella, F.J. and **M.D. Palumbo**. 2010. Rapid Assessment and Habitat Suitability Model of *Solanum conocarpum* in St. John, U.S. Virgin Islands. Final Report for the United States Fish and Wildlife Service.

State Reports

- Straub, J.N., **M. Palumbo**, J. Fleener, B. Glenzinski, D. Fowler, G. Kidd, K. Waterstradt, and S. Hygnstrom. 2019. Wisconsin Waterfowl Habitat Conservation Strategy (2020). Project #W-160-P-36; Final report submitted to the Wisconsin Department of Natural Resources.
- Vilella, F.J. and **M.D. Palumbo**. 2009. Variability of Gobbling Activity Across The State of Mississippi. Spittin' & Drummin'. 2009 Mississippi Wild Turkey Report 55.

Public Meetings & Workshops

- **Palumbo, M.D.** 2017. My Path In Wildlife Biology: An Unexpected Journey... Environmental Leadership Program. East Elgin Secondary School. Algonquin Park, ON, CAN.
- **Palumbo, M.D.** 2016. Wildlife Science. Environmental Leadership Program. East Elgin Secondary School. London. ON, CAN.
- **Palumbo, M.D.** 2015. Wildlife Science. Environmental Leadership Program. East Elgin Secondary School. October 2015, Turkey Point. ON, CAN.
- **Palumbo, M.D.** and J. Starace. 2012. Wildlife Hazard Management at Westchester County Airport. New York Aviation Management Association Peer Review. September 12. White Plains, NY. USA.
- **Palumbo, M.D.** 2011. Wild Turkey Presentation. Oral presentation at FWCC Birding and Wildlife Festival at Chinsegut Nature Center. April 30. Brooksville, FL. USA
- **Palumbo, M.D.** 2011. Wild Turkey Habitat Management. Oral presentation at FWCC landowner wildlife management workshop at UF IFAS research center. April 19. Quincy, FL. USA.
- **Palumbo, M.D.** 2011. Turkey Hunting. Oral presentation at Bradford County Turkey Management Workshop. University of Florida Extension Service. February 3. Bradford County Sportsman's' Farm FL. USA
- **Palumbo, M.D.** 2010. Long Leaf Pine Restoration: NWTF Grant Initiative. Oral presentation at FWCC landowner wildlife management workshop at Gun Creek Lodge. November 2010, Crestview FL. USA
- **Palumbo, M.D.** 2010 Call of the Wild: Wild Turkey Presentation. Oral presentation to volunteer educators of Florida's Project Wild. October 10, Ocala Fl. USA
- **Palumbo, M.D.,** F.J. Vilella, B.K. Strickland, G. Wang, and D. Godwin. 2010. Gobbling Chronology of eastern wild turkey in Mississippi. Poster presented at the Oktibbeha County Chapter of The National Wild Turkey Federation banquet. February 9. Starkville, MS. USA

SCHOLARSHIPS AND GRANTS

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- Ontario Federation of Anglers and Hunters Dave Ankney|Sandi Johnson Award for Avian Ecology 2016 – Research Grant \$4,000.
 - Ducks Unlimited Canada – The Institute for Wetland and Waterfowl Research – Research Grant \$5,000
 - Western University – Department of Biology Teaching Assistant Award 2015 \$100
 - Wildlife Habitat Canada 2015/2016 – Research Grant \$60,000
 - Ontario Federation of Anglers and Hunters Dave Ankney|Sandi Johnson Award for Avian Ecology 2015 – Research Grant \$4,000.
 - California Waterfowl Association – The Dennis Raveling Scholarship 2015 \$1000
 - TD Friends of the Environment Foundation – Research Grant \$5,000
 - Ontario Federation of Anglers and Hunters Dave Ankney|Sandi Johnson Award for Avian Ecology 2014 – Research Grant \$2,000.
 - Wildlife Habitat Canada 2014/2015 – Research Grant \$40,000 – Developed with Dr. Scott Petrie

CERTIFICATION

Associate Wildlife Biologist® (2/11)

The Wildlife Society

FAA Qualified Wildlife Biologist (10/11)

Per FAA AC 150/5200-36A

PROFESSIONAL ORGANIZATIONS

- Ducks Unlimited
- Delta Waterfowl
- The National Wild Turkey Federation
- The Wildlife Society

COMPUTER SOFTWARE EXPERIENCE

- Statistical Analysis Software (SAS)
- R
- ArcGIS
- Microsoft Office
- Trimble and Garmin GPS systems
- Pathfinder
- Location Of A Signal (LOAS)
- GameBirds
- PTT Tracker

JOB RELATED TRAINING

- Long Leaf Academy Graduate
- ATV Safety Rider Course
- Basic CPR & First Aid for Adults
- Emergency Medical Responder
- Wilderness and Remote First Aid
- Safe Driver Course
- Hunter & Trapper Education
- NRA Certified Safety Instructor
- 4-wheel drive vehicles