

# Maureen G. Frank

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## *Curriculum Vitae*

### Education

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Ph.D. in Wildlife Biology, Department of Wildland Resources Utah State University, Logan, Utah	June 2016
Bachelor of Science, Wildlife and Fisheries Sciences Texas A&M University, College Station, Texas	May 2012

### Professional Experience

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Assistant Professor & Extension Wildlife Specialist	August 2016 – present
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*Supervisors: Dr. Todd Sink and Dr. David Caldwell*

- Provide support to county extension agents through program development and agent training.
- Develop educational materials related to local wildlife species and issues.
- Collaborate with researchers, Extension personnel, wildlife biologists, natural resource managers, and non-governmental conservation organizations.
- Expand youth conservation education programs.
- Design and conduct applied research projects to address wildlife management issues.
- Develop external funding sources to support Extension and research activities.

Ph.D. Research Assistant, Utah State University	August 2012 – June 2016
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*Advisor: Dr. Michael Conover*

Teaching Assistant, Utah State University	Spring 2014, 2015
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*Supervisor: Dr. Michael Conover*

Extension Volunteer, Utah State University	Fall 2013
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*Supervisor: Tiffany Kinder*

Research Assistant, Texas A&M University	September 2010 – May 2012
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*Advisor: Dr. Thomas DeWitt*

## Outreach, Extension, and Departmental Programming

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### **Summary**

Type of outreach/extension	2018	Total
Programs, adults	29	91
Programs, youth	20	31
County Extension Agent support, training	2	5
County Extension Agent support, newsletters	8	32
County Extension Agent support, other	1	4

### **Programs**

#### *Adults*

Developed in collaboration with County Extension Agents, and with partners outside the agency including Natural Resources Institute, Texas Parks and Wildlife Department, and Natural Resources Conservation Service. Single, series, and multi-day events, in-person and electronic delivery.

#### *Youth*

Developed in collaboration with County Extension Agents, including work with Texas Brigades and schools. Single- and multi-day events. Lecture and hands-on activities.

### **County Extension Agent Support**

#### *Trainings*

Formal and informal. Topics have included causes of the quail decline, birding as a recreational and educational activity, wildlife identification, and helping landowners with habitat management.

#### *Newsletters*

Sent once per month on average. Include a “news” section with any relevant and recent wildlife information, and a “notes” or “information” section giving more details about a particular subject. May be used in full or part by CEAs in their county newsletters.

#### *Other*

Val Verde County Dirt Day (youth program).

Amphibians in the soil (handout). 2018.

Ecology of soil invertebrates (handout). 2018.

Val Verde County “It’s a Bird, It’s a Plane, It’s A Green Jay!” (youth program).

A field guide to common birds of Del Rio (handout). 2018.

Comparison of venomous and non-venomous snakes in west Texas. 2018. Distributed to energy industry workers in Winkler and Loving counties.

Staying safe after the shot (1-page article). 2017. Kinney County Hunters Roundup.

Grow bigger bucks by harvesting does! (Infographic). 2017. Distributed to hunters in Gillespie County.

## Publications

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### Summary

Type of publication	2018	Total
Peer-Reviewed Extension Articles	2	7
Refereed Journal Articles	1	4
Curricula and Related Materials	3	3
Dissertation	0	1
Weblog Articles	8	31
Websites	1	1

### Peer-Reviewed Extension Articles

- Frank, M. G.**, A. James, A. Gobeli, J. Hardin, R. Perez, and J. Cathey. 2019. Potential causes of the Texas quail decline. Texas A&M Natural Resources Institute ENRI-007.
- McCorkle, D. A., D. Hanselka, J. Tomeček, and **M. Frank**. 2018. Economic Impact Brief: Economic impact of the feral hog abatement project and education programs. Texas A&M AgriLife Extension. Update to 2016 publication.
- Frank, M. G.** 2017. Snakes and flooding. Texas A&M AgriLife Extension EWF-100.
- Downard, R., **M. Frank**, J. Perkins, K. Kettenring, and M. Larese-Casanova. 2017. Wetland plants of Great Salt Lake: a guide to identification, plant communities, and bird habitats. Utah State University Extension Paper 1761.
- Frank, M.**, K. Ruppert, and J. Cathey. 2017. Habitat requirements of Texas quails. Texas A&M AgriLife Extension EWF-096. *Also adapted into a Texas Land Trends Story Map, <http://tamu.maps.arcgis.com/apps/Cascade/index.html?appid=75eafecd92e242489260044c4aacb657>.*
- Tomeček, J. M., **M. G. Frank**, and T. S. Hensley. 2016. Anthrax: conditions, symptoms, and advice for landowners. Texas A&M AgriLife Extension.
- Frank, M.**, J. Marty, C. Rohal, R. Downard, J. Endter-Wada, K. Kettenring, and M. Larese-Casanova. 2016. Water rights for wetlands in the Bear River Delta. Utah Master Naturalist, Utah State University Extension.

### Refereed Journal Articles

- M. G. Frank**, and M. R. Conover. 2019. Threatened habitat at Great Salt Lake: Importance of shallow-water and brackish habitats to Wilson's and Red-necked phalaropes. *Condor*, *in press*.
- Conover, M. R., and **M. G. Frank**. 2018. Determinants of fledgling mass and gosling growth rates in temperate-nesting Canada geese. *Journal of Wildlife Management*, 82:1161–1168.
- Frank, M. G.**, and M. R. Conover. 2017. Weather and food availability affect fall migration of eared grebes from Great Salt Lake. *Wilson Journal of Ornithology* 129:98–111.

**Frank, M. G.**, and M. R. Conover. 2015. Thank goodness they got all the dragons: wildlife damage management through the ages. *Human-Wildlife Interactions* 9:156–162.

### **Curricula and Related Materials**

Youth birding and bird ecology programs

Bird Beak Adaptation Match. Created 2018.

Bird Habitat Match. Created 2018.

South Texas Buckskin Brigades

Cadet Handbook. Major revision, 2018.

### **Dissertation**

**Frank, M. G.** 2016. Migratory waterbird ecology at a critical staging area, Great Salt Lake, Utah. Ph.D. Dissertation, Utah State University, Logan, Utah.

### **Weblog Articles**

NatNews, 13 articles as of 31 Dec 2018. [texnat.tamu.edu/category/natnews](http://texnat.tamu.edu/category/natnews)

NatNotes, 13 articles as of 31 Dec 2018. [texnat.tamu.edu/category/natnotes](http://texnat.tamu.edu/category/natnotes)

Wildlife Blog, Utah Division of Wildlife Resources. How to see a nocturnal migration. 2015. <http://wildlife.utah.gov/blog/2015/how-to-see-a-nocturnal-migration/>

Wild Wonderings Blog, Texas AgriLife Extension Service. The Texas horned lizard. 2012. <http://wild-wonderings.blogspot.com/2012/07/texas-horned-lizard.html>

### **Websites Managed**

Texas Natural Resources Server, <http://texnat.tamu.edu>

### **Presentations**

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#### **Summary**

Type of presentation	2018	Total
Extension and Outreach	49	122
Research	0	12
Invited	0	3
Media Interviews	0	2
Other	0	1

#### **Extension and Outreach**

Topics for adult/mixed audiences have included tools for wildlife management, zoonotic diseases, predator ecology, food webs, wild pig control, urban wildlife damage management, ecology of exotic ungulates, managing songbirds in urban areas, quail ecology, migratory bird ecology, considerations for songbird management in wildlife property tax valuation, and the use of technology in wildlife management.

Topics for youth audiences have included wildlife adaptations, bird adaptations, taxonomy/classification, reptiles versus amphibians, deer anatomy/physiology/ecology (using a necropsy), quail diets, and basics of birding and bird identification.

### **Research**

Migratory waterbird ecology at a critical staging area, Great Salt Lake, Utah. 06 Dec 2017. Technical Advisory Group Meeting, Great Salt Lake Ecosystem Program.

Foraging behavior of phalaropes in a shrinking ecosystem. 20 Feb 2016. 52<sup>nd</sup> Annual Conference, Texas Chapter of The Wildlife Society.

Factors influencing the fall migration of eared grebes from Great Salt Lake. 19 Oct 2015. 22<sup>nd</sup> Annual Conference, The Wildlife Society.

Effects of invertebrate availability on migratory waterbirds of Great Salt Lake. 17 Apr 2015. 10<sup>th</sup> Annual Wildland Resources Department Research Symposium, Utah State University.

Factors influencing the fall migration of eared grebes from Great Salt Lake. 09 Apr 2015. Student Research Symposium, Utah State University.

Effects of invertebrate availability on migratory waterbirds of Great Salt Lake. 25 Mar 2015. Technical Advisory Group Meeting, Great Salt Lake Ecosystem Program.

Thank goodness they got all the dragons: wildlife damage management through the ages. 24 Mar 2015. Increasing connections between IPM and wildlife damage management, 8<sup>th</sup> International Integrated Pest Management Symposium.

Food web linkages and avian habitat use of the Great Salt Lake. 04 Dec 2013. Technical Advisory Group Meeting, Great Salt Lake Ecosystem Program.

It's a bird, it's a plane, it's... an enormous migration! Radar data show winter departure of eared grebes from the Great Salt Lake. 14 Aug 2013. Annual Conference, Central Mountains and Plains Section of The Wildlife Society.

Food web linkages and avian habitat use of the Great Salt Lake. 19 Apr 2013. 8<sup>th</sup> Annual Wildland Resources Department Pre-project Symposium, Utah State University.

It's a bird, it's a plane, it's... an enormous migration! Radar data show winter departure of eared grebes from the Great Salt Lake. 21 Mar 2013. Annual Conference, Utah Chapter of The Wildlife Society.

Integrating morphometrics and population genetics of intertidal isopods. 24 Mar 2012. Student Research Week 2012/Ecological Integration Symposium Dual Competition, Texas A&M University.

### **Invited**

Phalarope reliance on brine flies and concomitant use of bioherm habitat. 11 May 2016. Invited speaker, 2016 Great Salt Lake Issues Forum, Salt Lake City, Utah.

Great Salt Lake as a critical staging area. 31 Mar 2016. Guest lecture, Wetland Ecology and Management (WATS 4310), Utah State University.

Reproductive behavior. 26 Mar 2013. Guest lecture, Animal Behavior (WILD 3300), Utah State University.

## **Media**

Outsmarting the Hogs. Interviewed by Gary Joiner, Texas Farm Bureau Radio Network. 28 Jun 2017.

Wild Science: Phalaropes on Great Salt Lake. Video by Dakin Henderson, High Country News. Published 17 Aug 2015. <http://www.hcn.org/articles/wild-science-phalaropes-at-the-great-salt-lake-video>

## **Other**

The Amazon in your backyard. 10 Apr 2015. Ignite!, Utah State University. <https://www.youtube.com/watch?v=atNFLMeDxGA>

## **Grants and Other Funding**

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### **Summary**

Type of funding	2018 (new)	2018 (continuing)	Total Amount
Grants	\$0	\$35,750	\$145,933
Fee-based programs	\$2,457	\$0	\$2,457
In-kind support	\$0	\$1,980	\$2,200
Fellowship	\$0	\$0	\$20,000

### **Grants**

**Frank, M. G.** Managing Species of Greatest Conservation Need. 2019–2021. Shield-Ayres Foundation. \$21,300. PI.

Lopez, R., and **M. G. Frank**. 2019. Habitat management of golden-cheeked warbler and feral hogs for Natural Resource Program, Joint Base San Antonio. DoD – Army Corps of Engineers. \$550,000 (total grant); \$256,500 (feral hogs). Co-PI.

Tomeček, J. M., K. B. Hays, and **M. G. Frank**. Ranching with wildlife: teaching sustainable livestock production practices for wildlife habitat. 2017–2019. USDA – National Institute of Food and Agriculture. \$78,838. Co-PI.

Tomeček, J. M., and **M. G. Frank**. Wild pig outreach and education. 2017–2019. Texas A&M AgriLife Extension Service. \$52,095. Co-PI.

Tomeček, J. M., and **M. G. Frank**. Wildlife habitat modifications resulting from herbicide application. 2016. Dow AgroSciences. \$15,000. Co-PI.

### **Fee-based programs**

**Frank, M. G.**, and E. G. Grant. Birding the Border. 2018. 17 participants, 748 contact hours. \$2,457.

### **In-kind support**

**Frank, M. G.** 2017–2018. The effect of fire and herbivory on black-capped vireo nesting habitat in the Edwards Plateau. Shield-Ayres Foundation. \$2,200. PI.

### **Fellowship**

Presidential Doctoral Research Fellowship. 2012–2016. Utah State University, Department of Graduate Studies. \$20,000 per year. Ph.D. Student.

### **Partners and Other Support**

Fort Clark Springs, Brackettville, TX  
Dobbs Run Ranch, Kinney and Edwards counties, TX  
OI Ranch, Kinney County, TX  
Pinto/Dos Palmas Ranches, Kinney County, TX  
El Progreso Memorial Library, Uvalde, TX  
Shield Ranch, Camp Wood, TX  
Kerr Wildlife Management Area  
Natural Resources Conservation Service, Raymondville, TX

### **Certifications**

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#### **Leadership**

James G. Teer Conservation Leadership Institute  
Early Career Professional Training, 2018 – present

#### **Educational**

Project WILD Basic, 2011  
Project WILD – Science and Civics, 2009

#### **Technical**

American Heart Association First Aid/CPR/AED, 2018 – current  
Texas Big Game Awards Official Scorer, 2017 – current  
Chronic Wasting Disease sample collection, 2016 – current  
Wilderness First Aid/CPR, 2014 – 2018  
SCUBA Open Water Diver – PADI, 2005 – current

### **Awards**

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Robins Award Nominee	2016
Utah State University	

### **Professional Service and Affiliations**

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#### **Graduate Students**

M.S. – 1	
Rachael Connally	2018 – present
Non-thesis M.S. – 1	
Meghan Beyer	2016 – present

### **University Search Committees**

Wildlife Disease Ecologist, Texas A&M AgriLife Research	2017 – 2018
Fish Ecologist Faculty Position, Texas A&M University	2016 – 2017

### **Advisory Committees**

Statewide Quail Symposium	2018 – present
Texas Wildlife Association	
Women of the Land	2017 – present
Conservation Legacy	2017 – present
South Texas Buckskin Brigades	2017 – present
America's Grasslands Conference	2017
Wildlife Program, Southwest Texas Junior College – Uvalde	2016 – present

### **Professional Societies**

The Wildlife Society	2008 – present
Hunting, Trapping, and Conservation Working Group	
Member, 2017 – present	
Conservation Education and Outreach Working Group	
Joint Symposium organizer, 2018	
Communications Committee, 2015 – present	
Member, 2015 – present	
Texas Chapter	
Newsletter Co-chair, 2018 – present	
Member, 2016 – present	
Southwest Section	
Member, 2016 – present	
Central Mountains and Plains Section	
Annual Conference Program Chair	
Member, 2012 – 2016	
Texas A&M University Student Chapter, 2008 – 2012	
Texas Wildlife Association	
Member	2018 - present

### **Journal Review**

*Biological Conservation*  
*Animal Behaviour*  
*Human-Wildlife Interactions*

### **Other Review**

Wild Wonderings blog



**Miscellaneous Service**

Moderator, America's Grasslands Conference, 2017

Judge, Texas Master Naturalist Chapter Project Contest, 2017

Judge, The Wildlife Society Annual Conference Student Posters, 2017

Moderator, Statewide Quail Symposium, 2017

Moderator/Emcee, Texas Chapter of The Wildlife Society Quiz Bowl, 2017