

Daniel P. Collins III

U.S. Fish and Wildlife Service – Southwest Region
6700 Edith Blvd NE, Albuquerque, NM 87113
Cell (505) 616-7967 dan_collins@fws.gov

Employment:

- 7/2011 – present: Migratory Game Bird Biologist, U.S. Fish and Wildlife Service,
Division of Migratory Birds, Albuquerque, New Mexico
- 8/2008-7/2011: Wildlife Biologist, U.S. Fish and Wildlife Service, Division of Migratory
Bird Management, Pacific Flyway Office, Portland, Oregon
- 4/2004-8/2008: Ph.D. Graduate Research Assistant, Arthur Temple College of
Forestry and Agriculture, Stephen F. Austin State University,
Nacogdoches, Texas
- 12/2002-5/2003: M.S. Teaching Assistant, Department of Natural Resource
Management, Sul Ross State University, Alpine, Texas

Education:

Ph.D. Stephen F. Austin State University, Arthur Temple College of Forestry and Agriculture,
Nacogdoches, TX. 2012.

M.S. Sul Ross State University, Dept. of Natural Resource Management, Alpine, TX. 2004.

B.S. Greensboro College, Department of Biology, Greensboro, NC. 1998.

Peer Reviewed Publications:

- Vanausdall, R.A., W.L. Kendall, **D.P. Collins**, J.P. Donnelly, and Q.R. Hays. 2025. Habitat
selection by Rocky Mountain Population of greater Sandhill Cranes (*Antigone canadensis*
tabida) during spring and autumn migration at a key stopover area. Avian Conservation
and Ecology *in Press*.
- Malachowski, C.P., W.L. Kendall, D.P. Collins, K.J. Kraai, J. Olszak, and L.A. Reynolds. 2025.
Factors associated with survival, recovery, and movements in the western Gulf Coast
population of mottled ducks. Journal of Wildlife Management 10.1002/jwmg.70038
- Vanausdall, R.A., W.L. Kendall, **D.P. Collins**. 2025. Antigone canadensis (Sandhill Crane)
foraging patterns influenced by crop type, roost distance, and tillage intensity during
spring and autumn migration at a primary stopover area. Ornithological Applications
10.1093/ornithapp/duaf027

- VonBank, K.J. Kraai, **D.P. Collins**, P.T. Link, M.D. Weegman, L. Cao, and B.M. Ballard. 2024. Evidence of longitudinal differences in spring migration strategies of an Arctic-nesting goose. *Ecology and Evolution* 14:e11665 <https://doi.org/10.1002/ece3.11665>
- Lavretsky, P., K.J. Kraai, D. Butler, J. Morel, J. VonBank, J. Marty, V.M. Musni, and **D.P. Collins**. 2024. Human-Induced range expansion results in a recent hybrid zone between sister species of ducks. *Genes* 15(6) DOI: 10.3390/genes15060651
- Donnelly, J.P., K. Jensco, J.S. Kimball, J.N. Moore, D. Ketchum, **D.P. Collins**, and D.E. Naugle. 2024. Beneficial ‘inefficiencies’ of western ranching: Flood-irrigated hay production sustains wetland systems by mimicking historic hydrologic processes. *Agriculture, Ecosystems & Environment* 370:109051 <https://doi.org/10.1016/j.agee.2024.109051>
- Vanausdall, R.A., W.L. Kendall, **D.P. Collins**, and Q.R. Hays. 2024. Time of year and weather influence departure decisions of sandhill cranes at a primary stopover. *Frontiers in Ecology and Evolution* 12:1279279. doi: 10.3389/fevo.2024.1279279
- Donnelly, J.P., **D.P. Collins**, J.M. Knetter, J.H. Gammonley, M.A. Boggie, B.A. Grisham, MC. Nowak, and D.E. Naugle. 2024. Flood-irrigated agriculture mediates climate-induced wetland scarcity for summering sandhill cranes in western North America. *Ecology and Evolution* 14:e10998. DOI: 10.1002/ece3.10998
- VonBank, J.A., **D.P. Collins**, K.S. Ellis, J.P. Donnelly, and J.M. Knetter. 2023. Movement dynamics influence population monitoring and adaptive harvest management strategies in migratory birds. *Global Ecology and Conservation* 48: e02715 <https://doi.org/10.1016/j.gecco.2023.e02715>
- Boggie, M.A., **D.P. Collins**, and S.A. Carleton. 2023. Energetic Importance of Corn Subsidies for Migratory Birds Wintering in Central New Mexico *Journal of Fish and Wildlife Management* 14:51-61 <https://doi.org/10.3996/JFWM-22-013>
- VonBank, J.A., T.L.J. Schafer, S.A. Cunningham, M.D. Weegman, P.T. Link, K.J. Kraai, C.K. Wikle, **D.P. Collins**, and B.M. Ballard. 2023. Joint use of location and acceleration data reveals drivers of transition among habitats in wintering birds. *Scientific Reports* 13:2132 <https://doi.org/10.1038/s41598-023-28937-x>
- Collins, D.P.**, G. Zimmerman, S.A. Carleton, W. Kendall, and C.L. Coxen. 2023. Survival rates of Band-tailed Pigeon in New Mexico estimated using Passive Integrated Transponder Tags. *Journal of Wildlife Management* e22385. <https://doi.org/10.1002/jwmg.22385>
- Bunting, D.P. M.A. Boggie, **D.P. Collins**, P.P. Thorpe, and J.P. Donnelly. 2022. Linking ecological processes and animal movements to inform timing of long-term surveys of a migratory gamebird. *Ecosphere* 13:e4298. <https://doi.org/10.1002/ecs2.4298>

- Collins, D.P.**, M.A. Boggie, K.L. Kruse, C.M. Conring, J.P. Donnelly, B.A. Grisham, and W.C. Conway. 2022. Roost sites influence habitat selection of sandhill cranes (*Antigone canadensis tabida*) in Arizona and California. *Waterbirds* 45:428-439 <https://doi.org/10.1675/063.045.0407>
- Vanausdall, R.A., **D.P. Collins**, W.C. Conway, K. Kraai, C.D. Mason, and J.W. Gunnels. 2022. Body condition and molt chronology of waterfowl in east central Texas. *Journal of Field Ornithology* 93(4):5. <https://doi.org/10.5751/JFO-00178-930405>
- Ross, B., **D.P. Collins**, M.A. Boggie, G. Jones, S.A. Carleton, and C.A. Coxen. 2022. Summer resource selection of Band-tailed pigeons in New Mexico. *Avian Conservation and Ecology* 17(2):32. <https://doi.org/10.5751/ACE-02315-170232>
- Brown, J.I., F. Hernandez, A. Engilis Jr., B.E. Hernandez-Banos, **D.P. Collins**, and P. Lavretsky. 2022. Genomic and morphological data shed light on the complexities of shared ancestry between closely related duck species. *Scientific Reports* 12:10212.
- Heath-Acre, K.M, C.W. Boal, **D.P. Collins**, W.C. Conway, and W.P. Johnson. 2022. Using automated telemetry to identify population connectivity and migration phenology of Snowy Plovers breeding in the Southern Great Plains. *Journal of Field Ornithology* 0:114 <http://doi.org/10.1111/jfo.12393>
- Zhao, Q., K. Heath-Acre, **D.P. Collins**, W.C. Conway, and M.D. Weegman. 2021. Integrated population modelling reveals potential drivers of demography from partially aligned data: a case study of snowy plover declines under human stressors. *PeerJ* 9:e12475 DOI 10.7717/peerj.12475
- Hays, Q., A. Tredennick, J. Carlise, **D.P. Collins**, and S.A. Carleton. 2021. A Spatially explicit assessment of sandhill crane exposure to potential transmission line collision risk. *Journal of Wildlife Management* 1-10 DOI: 10.1002/jwmg.22100
- Donnelly, J.P., S. King, J. Knetter, J. Gammonley, V. Dreitz, B. Grisham, C. Nowak, and **D.P. Collins**. 2021. Migratory efficiency sustains connectivity across agroecological networks supporting sandhill crane migration. *Ecosphere* 12(6):e03543 doi/10.1002/ecs2.3543
- Ballard, B.M, C.J. Lange, J.D. James, B.C. Wilson, **D.P. Collins**, and J.A. VonBank. 2021. Prioritizing conservation of coastal ponds for Redheads along the lower Texas Coast. *Journal of Wildlife Management* 1-10 DOI: 10.1002/jwmg.22034
- VonBank, J.A., M.D. Weegman, P.T. Link, S.A. Cunningham, K.J. Kraai, C.K. Wikle, **D.P. Collins**, and B.M. Ballard. 2021. Varying ecoregional fidelity and energy expenditure influence a large-scale winter distribution shift in greater white-fronted geese. *Movement Ecology* 9:2 <https://doi.org/10.1186/s40462-020-00236-4>

- Heath, K.M., W.C. Conway, C.W. Boal, **D.P. Collins**, G. Hensley, W.P. Johnson, and P.M. Schmidt. 2021. Detectability, Abundance, and Population Trends of Snowy Plovers at Salt Plains National Wildlife Refuge, Oklahoma. *Journal of Fish and Wildlife Management* <https://doi.org/10.3996/JFWM-20-041>
- Donnelly, J.P., S.L. King, N.L. Silverman, **D.P. Collins**, E.M. Carrera-Gonzalez, A. Lafon Terrazas, and J.N. Moore. 2020. Climate and human water use diminish wetland networks supporting continental waterbird migration. *Global Change Biology* doi: 10.1111/GCB.15010.
- Donnelly, J.P., D.E. Naugle, **D.P. Collins**, B. Dugger, B. Allred, J. Tack, and V.J. Dreitz. 2019. Synchronizing conservation to seasonal wetland hydrology and waterfowl migration in semi-arid landscapes. *Ecosphere* 10(6):e02758. 10.1002/ecs2.2758
- Conring, C., K.A. Brautigam, B.A. Grisham, **D.P. Collins**, and W.C. Conway. 2019. Identification of migratory connectivity and summering areas for Lower Colorado River Valley population of sandhill cranes. *Avian Conservation and Ecology* 14:11. <https://doi.org/10.5751/ACE-01352-140111>
- Collins, D.P.**, S.A. Carleton, and C.A. Coxen. 2019. Migration and movement patterns of interior band-tailed pigeons. *The Wilson Journal of Ornithology* 131(2):360-366. <https://doi.org/10.1676/18-34>
- Lange, C., **D.P. Collins**, K.L. Metzger, and B.M. Ballard. 2018. Predicting Impacts of Sea Level Rise on Wintering Redhead Ducks along the Lower Texas Coast. *Global Ecology and Conservation* 16:1-18 e00481.
- Nowak, M.C., K. Mougey, **D.P. Collins**, and B.A. Grisham. 2018. Mixing of two greater sandhill crane populations in northeast Oregon. *Proceedings of the North American Crane Workshop* 14:110-114.
- B.A. Grisham, **D.P. Collins**, K.L. Kruse, C.M. Conring, J.M. Knetter, and W.C. Conway. An updated distribution map for the lower Colorado River valley population of greater sandhill cranes. *Proceedings of the North American Crane Workshop* 14:1-9.
- Boggie, M.A., **D.P. Collins**, J.P. Donnelly, and S.A. Carleton. 2018. Land Use, anthropogenic disturbance, and riverine features drive patterns of habitat selection by a wintering waterbird in a semi-arid environment. *PLoS ONE* 13(11): e0206222. <https://doi.org/10.1371/journal.pone.0206222>

- Ashbaugh, H.M., W.C. Conway, D.A. Haukos, **D.P. Collins**, C.E. Comer, and A.D. French. 2018. Evidence of exposure to selenium by breeding interior snowy plovers in saline systems of the Southern Great Plains. *Ecotoxicology* <https://doi.org/10.1007/s10646018-1952-2>
- Boggie, M.A., S.A. Carleton, **D.P. Collins**, and J. N. Vradenburg. 2018. Using stable isotopes to estimate reliance on agricultural food subsidies and migration timing for a migratory bird. *Ecosphere* 92(2): e02083.
- Lange, C.J., B.M. Ballard, and **D.P. Collins**. 2018. Impacts of wind energy on wintering redheads along the lower Texas coast. *Journal of Wildlife Management* 82:531-537.
- Coxen, C.L., **D.P. Collins**, and S.A. Carleton. 2018. Capture and injury rates of Band-tailed Pigeons using whoosh nets. *The Wilson Journal of Ornithology* 130:321-326.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2017. Predicting seed yield of common moist-soil plant species found in East-Central and Coastal, Texas using linear regression models. *Texas Journal of Agriculture and Natural Resources* 30:78-86.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2017. Winter diets of Blue-winged Teal *Anas discors*, Green-winged Teal *Anas carolinensis*, and Northern Shoveler *Anas clypeata* in east-central Texas. *Wildfowl* 67:87-99.
- Coxen, C.L., J.K. Frey, S.A. Carleton, and **D.P. Collins**. 2017. Evaluating the performance of satellite tracked and citizen science derived species distribution models to inform the conservation of band-tailed pigeons (*Patagionas fasciata*). *Global Ecology and Conservation* 11:298-311.
- Kruse, K., **D.P. Collins**, B.A. Grisham, C.M. Conring, W.C. Conway, and J.M. Knetter. 2017. Summer habitat selection by the lower Colorado River Population of greater sandhill cranes. *Journal of Fish and Wildlife Management* 8:436-448; e1944-687X. doi:10.3996/042017-JFWM-037.
- Collins, D.P.**, B.A. Grisham, C.M. Conring, J.M. Knetter, W.C. Conway, S.A. Carleton, and M.A. Boggie. 2015. New summer areas and mixing of two Greater Sandhill Crane Populations in the Intermountain West. *Journal of Fish and Wildlife Management* 7(1):141-152.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2015. Decomposition of three common moist-soil plant species occurring in moist-soil managed wetlands on Richland Creek WMA, Texas. *Journal of Fish and Wildlife Management* 6:102-111.

- Collins, D.P.,** W.C. Conway, C.D. Mason, and J.W. Gunnels. 2015. Aquatic invertebrate production in moist-soil managed wetlands on Richland Creek Wildlife Management Area, Texas. *The Southwestern Naturalist* 60:263-272.
- Collins, D.P.,** W.C. Conway, C.D. Mason, and J.W. Gunnels. 2013. Seed bank potential of moist-soil managed wetlands in east-central Texas. *Wetlands Ecology and Management* 21:353-366.
- Collins, D.P.,** L.A. Harveson, and D.C. Ruthven III. 2013. Morphological characteristics and effects of Telazol on American badgers in south Texas. *Texas Journal of Agriculture and Natural Resources* 26:25-31.
- Collins, D.P.,** L.A. Harveson, and D.C. Ruthven III. 2012. Spatial characteristics of an American Badger population in southern Texas. *The Southwestern Naturalist* 57: 473-478.
- Collins, D.P.,** L.A. Harveson, and D.C. Ruthven III. 2007. Food habits of American badgers in southern Texas: an observation. *Texas Journal of Agriculture and Natural Resources* 20:28-31.

Publications in Review or Revision:

- Donnelly, J.P., D.P. Collins, M. Hebblewhite, M.L. Casazza, J.S. Kimball, and D.E. Naugle. Need water, will travel: wetland dynamics drives movement ecology of breeding white-faced ibis in the American West. *Movement Ecology in Review*.
- Vanausdall, R.A., D.P. Collins, O. Guimaraes, J.W. Moore, D.C. Osborne, J. Gammonley, W.L. Kendall. Season trends in the body condition of Rocky Mountain Population sandhill cranes during spring and winter. *Journal of Wildlife Management in Review*.
- Donnelly, J.P., J.N. Moore, J.S. Kimball, S. Coons, D.P., Collins, M.J. Petrie, and D.E. Naugle. Flyway bottlenecks: Migratory waterfowl and shorebirds confront diminishing wetland networks in western North America. *Ecology and Evolution in Review*.

Select Technical Reports:

- Collins, D.P.** et al. October Recruitment Survey of the Rocky Mountain Population of greater Sandhill Cranes. Annually submitted (2021-2024) to: U.S. Fish & Wildlife Service, Office of the Central and Pacific Flyway Representative; Lakewood, CO and Vancouver, WA.

Thorpe, P., P. Donnelly, and **D.P. Collins**. September survey of the Rocky Mountain Population of greater sandhill cranes. Annually submitted (2013-2019; 2023) to: U.S. Fish & Wildlife Service, Office of the Central and Pacific Flyway Representative; Lakewood, CO and Vancouver, WA.

Collins, D. P., T. R. Cooper, J. A. Dubovsky, and D. L. Fronczak, editors. 2017. Priority information needs for sandhill cranes II: a funding strategy. U.S. Fish and Wildlife Service, Bloomington, Minnesota, USA.

Collins, D.P., D. Kraege, J. Runge, and J. Dubovsky 2010. Evaluation of Current Population Designations of Western Canada Geese Using MRPP. Pacific Flyway Study Committee meeting December 2009 and July 2010.

Collins, D.P., C.A. Palmer, and R.E. Trost compiler, 2009-2011. Pacific Flyway Data Book. U.S. Fish & Wildlife Service, Portland Oregon.

Committee Co-Chair

Anthony, R. *Completed Spring 2019*. Using seed bank dynamics to inform moist-soil management decisions in arid wetland systems. M.S. Thesis, Sul Ross State University.

Boggie, M. *Completed Summer 2018*. Understanding the role of habitat use, seasonal movement, and mortality to describe the winter ecology of the Rocky Mountain Population of Sandhill Cranes (*Antigone canadensis*) in the middle Rio Grande Valley of New Mexico. Ph.D. Dissertation, New Mexico State University.

Coxen C. *Completed Spring 2017*. Demography and seasonal movement patterns of band-tailed pigeons in New Mexico. M.S. Thesis, New Mexico State University.

Conring, C. *Completed Spring 2015*. Assessment of Overwinter Habitat Availability for Lower Colorado River Valley Sandhill Crane Population in Context of Future Climate Change. M.S. Thesis, Texas Tech University.

Committee Membership

Blumentritt, E. *Current*. Diversity of migrating and wintering birds at dirt livestock tanks in the Trans-Pecos Region of Texas. M.S. Thesis, Sul Ross State University.

Rogers, J. *Current*. Migratory connectivity of Midcontinent Cackling Geese (*Branta hutchinsii*), M.S. Thesis, Texas A&M-Kingsville

McGovern, J. *Current*. Activity responses of northern pintail to fine-scale thermal conditions during spring migration. M.S. Thesis, Texas A&M – Kingsville.

Matos-Sepulveda, C. *Current*. Mexican ducks in southeastern Arizona. M.S. Thesis, New Mexico State University.

Bradshaw, M. *Current*. Breeding Habitat Selection by Female Northern Pintails in the Prairie Pothole Region. M.S. Thesis, Texas A&M – Kingsville.

Ditzenberger, H. *Current*. Greater Sandhill Crane Migratory and Population Connectivity as Indicated by Stable Isotopes and Microsatellites. M.S. Thesis, Texas Tech University.

Morel, J. *Current*. Stock Pond and Waterfowl Use Relationships of the Oaks and Prairies and Rolling Plains Regions of Central and Eastern Texas. Ph.D. Dissertation, Texas Tech University.

Eccles, Georgina. *Current*. Comparing Spring Migration Strategies of Northern Pintails from Wintering Areas across North America. Ph.D. Dissertation, Texas A&M University – Kingsville.

Vanausdall, R. *Completed Fall 2024*. Spring and fall stopover food resources and land use patterns for Rocky Mountain Population Sandhill Cranes in the San Luis Valley, Colorado. Ph.D. Dissertation, Colorado State University.

Kaminski, M. *Completed Summer 2021*. Habitat assessment and ecology of the Pacific Black Duck in American Samoa, Anu'u. M.S. Thesis, University of Texas at El Paso.

Brautigam, K. *Completed Summer 2021*. Assessing Threats to Landscape Suitability – Ecology and Conservation of the Mid-Continent Population of Sandhill Cranes in Context of Climate Change. Ph.D. Dissertation, Texas Tech University.

Glass, M. *Completed Summer 2021*. Determining the effects of management on paspalum and its relationship to food production for avifauna. M.S. Thesis, Sul Ross State University.

VonBank, J. *Completed Summer 2020*. Movement Ecology of Mid-Continent White-fronted Geese. Ph.D. Dissertation, Texas A&M University – Kingsville.

Heath, K. *Completed Spring 2019*. Structure and connectivity of mid-continental snowy plovers. M.S. Thesis, Texas Tech University.

Wells, E. *Completed Fall 2018*. Estimating current and future habitat use by sandhill cranes wintering along the Texas coast. M.S. Thesis, Texas A&M University – Kingsville.

Sauer, K. *Complete Fall 2018*. Using Quail and Grassland birds as indicators of Chihuahuan Desert Grassland Ecosystem Health. M.S. Thesis, Sul Ross State University.

Whitson, M. *Completed Fall 2017*. Existing seed banks of upper Texas coast rice fields and vegetation composition, seed production, invertebrate abundance, carrying capacity, soil nutrient, and winter waterfowl response of to various moist-soil management regimes. M.S. Thesis, Texas Tech University.

Duffie, L. *Completed Spring 2017*. Snowy Plover movements and demographics in New Mexico, Texas, Oklahoma. M.S. Thesis, Stephen F. Austin State University.

Ashbaugh, H. *Completed Spring 2016*. Environmental availability and assessment of heavy metals and other anthropogenic contaminants in snowy plover nesting habitats in Texas, New Mexico, and Oklahoma. M.S. Thesis, Texas Tech University.

Clark, L. *Completed Spring 2016*. Food Availability for Waterfowl in Stock Ponds of the Rolling Plains. M.S. Thesis, Texas Tech University.

Lange, C. *Completed Fall 2014*. Impacts of Wind Energy on Wintering Redheads along the lower Texas coast. M.S. Thesis, Texas A&M University – Kingsville.

Post-Doctoral Associates

Sundararaj, Vijayan. *Completed*. Evaluation of the Western Gulf Coast Mottled Duck Breeding Population Survey. Post Doc, Texas A&M University – Kingsville.

Zhao, Qing. *Completed*. Integrated population model investigating population trends and demographic parameters of interior snowy plover. Post Doc, University of Missouri - Columbia.

Malachowski, Chris *Completed*. Mottled duck banding needs assessment. Post Doc, Colorado State University.

Research Grant Proposals: Funded – \$9,999,311

Kozakiewicz, C.P., S. Kraberger, N. Fountain-Jones, E.B. Gagne, A. Varsani, M. Willie, **D.P. Collins**. The ecological drivers of virus community structure and transmission in migratory waterfowl: spatial modeling of the avian virome. *Submitted to*: National Science Foundation \$2,999,999 *pending*

Walsh, E., V. Longheed, J. McLaren, E. LaRue, M. Moody, P. Lavretsky, **D.P. Collins**. RaMP: Research opportunities and access for diverse scientists (ROADS) in extreme dryland environments. *Submitted to*: National Science Foundation \$2,998,921

Donnelly, J.P., **D.P. Collins**, J. Vradenburg. Using white-faced ibis movement ecology to quantify climate change impacts on western North America's waterbird migration networks. *Submitted to:* Various State, NGO, Federal Natural Resource Agencies \$110,000.

VonBank, J., **D.P. Collins**, K.Kraai, and B.Ballard. Western Gulf Coast Mottled Duck Movement Ecology: Novel Range Expansion, Ecoregional Connectivity, and Space Use in Texas. *Submitted to:* U.S. Fish and Wildlife Service – 2 Science Support Partnership (SSP) \$66,935.

Latty, C., S. Ulman, D. Safine, J. Schamber, B. Reishus, K. Spragens, R. McGuire, J. Sands, and **D.P. Collins**. Delineating flyway affiliation during winter of cackling geese (*Branta hutchinsii*) breeding on the Arctic Coastal Plain of Alaska. *Submitted to:* Arctic Goose Joint Venture \$68,326

J. P. Donnelly, **D.P. Collins**, V. Dreitz, P. Tashjian. Decision support for conservation of New Mexico's important riparian and wetland ecosystems. *Submitted to:* NRCS New Mexico State Office \$75,000.

Collins, D.P., J.A. Moon, B. Wilson, T. Cooper, and W. Kendall. Western Gulf of Mexico Coast Population of Mottled Ducks Banding Needs Assessment. *Submitted to:* U.S. Fish and Wildlife Service – Science Application Program \$212,661.

P. Lavretsky and **D.P. Collins**. Using Genetics to Identify Geographical overlap and frequency of hybridization between western gulf coast population of mottled ducks and Mexican ducks in the south Texas brush country. *Submitted to:* Texas Parks and Wildlife Department \$119,629.

Ballard, B.M., **D.P. Collins**, and K. Kraai. Comparing Spring Migration Strategies of Northern Pintails from Wintering Areas across North America. *Submitted to:* U.S. Fish and Wildlife Service Southwest Region Migratory Bird Program \$225,000.

Ballard, B.M., and **D.P. Collins**. Comparing Spring Migration Strategies of Northern Pintails from Wintering Areas across North America. *Submitted to:* Texas Parks and Wildlife Department \$400,000.

Ballard, B. and **D.P. Collins**. Evaluation of the Western Gulf Coast Mottled Duck Breeding Population Survey. *Submitted to:* U.S. Fish and Wildlife Service Southwest Region Science Applications \$204,000.

O'Shuaghnessy, R. and **D.P. Collins**. Determining the effects of management on paspalum and its relationship to food production for avifauna. *Submitted to:* U.S. Fish and Wildlife Service Southwest Region Migratory Bird Program \$10,034.

- Collins, D.P.** and S.A. Carleton. 2017. Impacts of energy infrastructure development on wintering sandhill cranes at the Wilcox Playa in southern Arizona. *Submitted to:* U.S. Fish & Wildlife Service Region 2 Regional Directorate Team \$88,500.
- Johnson, W., S. King, **D.P. Collins**, J. Beauchamp. 2017. Wetland management impacts to Pecos sunflower (*Helianthus paradoxus*), Wright's marsh thistle (*Cirsium wrightii*) and Leocita false-foxglove (*Agalinis calycina*). *Submitted to:* U.S. Fish & Wildlife Service Region 2 Science Support Partnership (SSP) \$101,534.
- Carleton, S.A., **D.P. Collins**, A. Ganguli. 2016. Changes in Avian and Plant Community Composition and Structure Following Prescribed Thinning in Pinyon-Juniper Woodlands. *Submitted to:* U.S. Fish & Wildlife Service Region 2 Science Support Partnership (SSP) \$160,112.
- Ballard, B. M. and **D.P. Collins**. 2015. Movement Ecology of Mid-Continent White-fronted Geese. *Submitted to:* Texas Parks and Wildlife Department – Small Game Program \$413,533.
- Ballard, B. M. and **D.P. Collins**. 2015. Estimating current and future habitat use by sandhill cranes wintering along the Texas coast. *Submitted to:* Texas Parks and Wildlife Department – Small Game Program \$155,660.
- O'Shaughnessy, R., R.S. Luna, L.A. Harveson, and **D.P. Collins**. 2015. Using quail and grassland birds as indicators of Chihuahuan desert grassland ecosystem health. *Submitted to:* U.S. Fish and Wildlife Region 2 Division of Migratory Birds \$45,192.
- Conway, W.C., **D.P. Collins**, D.A. Haukos, W. Johnson, P. Schmidt, and B. Grisham. 2015. Structure and connectivity of mid-continental snowy plovers. *Submitted to:* U.S. Fish & Wildlife Service Region 2 Science Support Partnership (SSP) \$297,863 Funded for \$236,200.
- R. Lanctot, D.A. Haukos, **D.P. Collins**, and J.S. Gleason, J.S. 2015. An integrated, collaborative approach to assess migratory connectivity, habitat use, and population size and trends of a Mid-Continent upland migrant: the Buff-breasted Sandpiper. *Submitted to:* U.S. Fish & Wildlife Service Region 7 Science Support Partnership (SSP) \$201,825.
- Donnelly J.P., V. Dreitz, J. Knetter, **D.P. Collins**, P. Thorpe, and D. E. Naugle. 2014. Boom, bust: linking patterns of rural land-use change and wetland condition to trends in greater sandhill crane demographics. *Submitted to:* Webless Migratory Game Bird Program \$75,000.

- Kahl, S.S., B.A. Grisham, and **D.P. Collins**. 2014. Waterfowl Use and Carrying Capacity of Stock Ponds in the Rolling Plains of Texas. *Submitted to:* Texas Parks and Wildlife Department – Small Game Program \$300,000.
- Collins, D.P.**, R. O'Shaughnessy, R. Luna, L.A. Harveson, and J. Vradenburg. 2014. Using seed bank dynamics to inform moist-soil management decisions in arid wetland systems. *Submitted to:* U.S. Fish and Wildlife Region 2 Division of Migratory Birds and National Wildlife Refuges \$75,000.
- Grisham, B., W. Johnson, C. Boal, and **D.P. Collins**. 2014. Understanding the Role of Muleshoe National Wildlife Refuge to Sandhill Crane Overwinter Habitat in Context of Landscape Suitability due to Climate Change. *Submitted to:* U.S. Fish & Wildlife Service Region 2 Science Support Partnership (SSP). \$103,468.
- Coxen, C. L., S.A. Carleton and **D.P. Collins**. 2014. Evaluating the relationships between bandtailed pigeon habitat use and movement patterns in New Mexico. *Submitted to:* Webless Migratory Game Bird Program. \$47,814.
- Grisham, B.A., S. Oldenburger, **D.P. Collins**, W.C. Conway, B. Johnson, and N. Athearn. 2014. Understanding Sandhill Crane Habitat in Context of Landscape Suitability and Sustainability in the Sothern High Plains due to Climate Change and Other Factors. *Submitted to:* Playa Lakes Joint Venture ConocoPhillips. Amount requested \$25,000, funded \$24,998.
- Collins, D.P.**, S.A. Carleton, J.Vradenbrg, and A. Inslee. 2013. Understanding the role of habitat use, seasonal movement, and mortality to describe the winter ecology of the Rocky Mountain Population of Sandhill Cranes (*Grus canadensis tabida*) in the middle Rio Grande Valley of New Mexico. *Submitted to:* U.S. Fish and Wildlife Service - Webless Migratory Game Bird Program \$114,831.
- Carleton, S.A. and **D.P. Collins**. 2013. Understanding the role of habitat use, seasonal movement, and mortality to describe the winter ecology of the Rocky Mountain Population of Sandhill Cranes (*Grus canadensis*) in the middle Rio Grande Valley of New Mexico. *Submitted to:* U.S. Fish and Wildlife Service \$170,000.
- Kahl, S.S., B.A. Grisham, and **D.P. Collins**. 2013. Waterfowl Use and Carrying Capacity of Stock Ponds in the Rolling Plains of Texas. *Submitted to:* Playa Lakes Joint Venture ConocoPhillips \$20,000 Funded for \$11,400.
- Collins, D.P.**, C. Nicolai, M. Rabe, B. Zaun, and G. Ivey. 2012. Lower Colorado River Valley Sandhill Crane (*Grus canadensis*) Breeding and Wintering Distributions. *Submitted to:* Webless Migratory Game Bird Program \$65,500.

Collins, D.P. and B. Ballard. 2012. Impacts of Wind Energy on Wintering Redhead Duck Movements. *Submitted to:* U.S. Fish and Wildlife Service \$145,000.

Carleton, S.A. and **D.P. Collins**. 2012. Demography and seasonal movement patterns of Bandtailed Pigeons (*Patagioenas fasciata*) in New Mexico. *Submitted to:* U.S. Fish and Wildlife Service - Webless Migratory Game Bird Program \$78,871.

Conway, W. C., D. A. Haukos, C.E. Comer, **D.P. Collins**, and W.P. Johnson. 2012. Environmental availability and assessment of heavy metals and other anthropogenic contaminants in snowy plover nesting habitats in Texas, New Mexico, and Oklahoma. *Submitted to:* U.S. Fish and Wildlife Service \$125,000.

Collins, D.P., and L.A. Harveson. September 2001. Ecology of an American Badger population on the Chaparral Wildlife Management Area, Texas. *Submitted to:* Sul Ross State University \$5,000.

University Teaching Experience:

Spring 2022

Instructor

Texas Tech University

NRM 4310: Principles of Waterfowl Management

Course description: This is an upper-level course designed to introduce and familiarize the student with the concepts, theories, and practices of waterfowl ecology and management. This course will focus upon waterfowl identification, aging/sexing, biology, habitats, and associated management practices and approaches for waterfowl – including harvest regulatory structure. This course is intended to familiarize students with concepts and applications of management and conservation for North American waterfowl.

Spring 2021

Instructor

Texas Tech University

NRM 4310: Principles of Waterfowl Management

Course description: This is an upper-level course designed to introduce and familiarize the student with the concepts, theories, and practices of waterfowl ecology and management. This course will focus upon waterfowl identification, aging/sexing, biology, habitats, and associated management practices and approaches for waterfowl – including harvest regulatory structure. This course is intended to familiarize students with concepts and applications of management and conservation for North American waterfowl.

Spring 2018

Guest Lecturer

University of Texas at El Paso

BIOL 4395: Waterfowl Ecology and Evolution / North American Waterfowl Management Plan

BIOL 4395: Waterfowl Ecology and Evolution / Assessing Waterfowl Populations and Wetland Management

Fall 2017

Guest Lecturer

Texas Tech University

NRM 3407: Techniques / Wildlife capture and handling techniques

Spring 2015

Guest Lecturer

New Mexico State University

FWCE 539: Game Bird Ecology and Management / Harvest Management

Fall 2006 and Spring 2007

Lab Instructor

Ph.D. Graduate Research Assistant

Stephen F. Austin State University

FOR 152: Introduction to Wildlife: Developed and taught labs focused on waterfowl and gamebird identification, population dynamics and estimation, habitat management, range management, and range inventory and analysis techniques.

Spring 2007

Guest Lecturer

Ph.D. Graduate Research Assistant

Stephen F. Austin State University

FOR 152: Introduction to Wildlife Management / Range Management

FOR 152: Introduction to Wildlife Management / Waterfowl Ecology

FOR 152: Introduction to Wildlife Management / Population Dynamics and Estimation

FOR 152: Introduction to Wildlife Management / Habitat Management

FOR 455: Wildlife Habitat Management / Range Inventory and Analysis Techniques

Fall 2006

Guest Lecturer

Ph.D. Graduate Research Assistant

Stephen F. Austin State University

FOR 152: Introduction to Wildlife Management / Range Management

Spring 2006
Guest Lecturer
Ph.D. Graduate Research Assistant
Stephen F. Austin State University
FOR 152: Introduction to Wildlife Management / Wildlife Policy

Fall 2005
Guest Lecturer
Ph.D. Graduate Research Assistant
Stephen F. Austin State University
FOR 152: Introduction to Wildlife Management / Range Management

Fall 2004
Guest Lecturer
Ph.D. Graduate Research Assistant
Stephen F. Austin State University
FOR 255: Forest Wildlife Management / Ecology of an American Badger population on the
Chaparral Wildlife Management Area.

Spring 2003
Teaching Assistant
Department of Natural Resource Management
Sul Ross State University
NRM440: Wildlife Technique Lab Instructor

Fall 2001, Spring 2002, and Fall 2002.
Teaching Assistant
Department of Natural Resource Management
Sul Ross State University
NRM531: Agricultural Statistics Lab Instructor

Professional Service:

Adjunct Professor - Current

Texas A&M – Kingsville
Texas Tech University
Sul Ross State University
University of Texas at El Paso
Colorado State University
New Mexico State University

Adjunct Professor - Previous

Stephen F. Austin State University

Associate Editor

11th Proceedings of the Woodcock Symposium
Journal of Wildlife Management

Subject Editor

Journal of Fish and Wildlife Management

Peer Reviewer

Journal of Wildlife Management
Wildlife Society Bulletin

Other Service:

U.S. Fish and Wildlife Service Surrogate
Species Great Plains Team (2012 –
2013)

Great Plains Emphasis Area Team (2015 –
2017)

Rio Grande Emphasis Area Team (2017-2018)

Mottled Duck Regional Conservation Priority
Team (2018 - present) co-lead

Central Flyway

Waterfowl Technical Committee (2011 –
Present)
Webless Migratory Game Bird Technical
Committee (2011 – Present)

Pacific Flyway

Study Committee (2011 – Present)
Lower Colorado River Valley Sandhill Crane
Working Group Lead (2015 – 2017)

Journal of Fish and Wildlife Management
Wilson Journal of Ornithology
Journal of Field Ornithology
Waterbirds
Ecosphere
Ecological Indicators
Internal USGS
11th Proceedings of the Woodcock Symposium
14th Proceedings of the North American Crane
Workshop
Journal of Southeastern Association of Fish and
Wildlife Agencies
The Southwestern Naturalist
American Midland Naturalist
Global Ecology and Conservation
PeerJ
PLOS ONE
Texas Journal of Agriculture and Natural
Resources
Water
Ecohydrology
NOAA Restore Science Proposals
Canadian Journal of Zoology

Gulf Coast Joint Venture

Waterfowl Working Group Member (2011 -
Present)
Mottled Duck Working Group Member (2015 -
Present)

Oaks and Prairie Joint Venture

Waterfowl, Waterbird and Shorebird
Conservation Technical Team (2014 - 2016)

Intermountain West Joint Venture

Sandhill Crane Working Group (2013 - Present)
Science Team (2013 - Present)

Playa Lakes Joint Venture

Science Advisory Team (2013 - Present)

Sonoran Joint Venture

Management Board Member (2016 - 2023)

Professional Affiliations:

- The Wildlife Society *New Mexico Chapter of The Wildlife Society*
- Southwest Section of The Wildlife Society*
- President Elect (2015), President (2016), Past Treasurer (2013 – 2017)
- President (2017)
- The Southwestern Section of The Wildlife Society
- The New Mexico Chapter of the Wildlife Society
- North American Crane Working Group

Awards and Honors:

- 2023 U.S. Fish and Wildlife Service Region 2 Morgart Award for “Best Publication”
- 2022 Southwest Region Field Biologist of the Year
- 2020 WAFWA Federal Conservation Partner of the Year
- 2019 U.S. Fish and Wildlife Service Region 2 Morgart Award for “Best Publication”
- 2016 Conservation Partner Award – Intermountain West Joint Venture
- Texas Chapter of The Wildlife Society – Best Graduate Student Poster 2006
- Xi Sigma Pi – Alpha Zeta Chapter

Non-University Lecture Experience:

Keynote Speaker. 6th Annual Greater Yellowstone Crane Festival 2023. Western sandhill crane conservation and management: Perspective from the last 10 years 2012-2022. Driggs, Idaho.

Keynote Speaker. 11th Annual Yampa Valley Crane Festival 2022. Western sandhill crane conservation and management: A look behind the curtain. Steamboat Springs, Colorado.

Fall 2019 Rocket Net Safety Training – Wisconsin Department of Natural Resources, Horicon, WI

Fall 2019 Waterfowl Banding Workshop – How is banding data used and what is it used for? Wisconsin Department of Natural Resources, Horicon, WI

Keynote Speaker. Monte Vista Crane Festival 2018. The San Luis Valley, jumping off point for the Rocky Mountain Population of sandhill cranes and the importance of private and public lands. Monte Vista, Colorado.

Fall 2018 Sandhill Crane and Wetland Ecology - Mexican Biologist Annual Training, Bosque del Apache NWR, NM

Fall 2018 Sandhill Crane Ecology – Oasis Lifelong Adventure: Continuing Education

Spring 2018 Sandhill Crane Ecology in the Middle Rio Grande Valley – Candelaria Farm Technical Advisory Committee, City of Albuquerque

Winter 2018 Rocket Net Safety Training – Idaho Fish and Game, Nampa, Idaho

Fall 2017 Rocket Net Safety Training – Texas Panhandle National Wildlife Refuge Staff and Texas Tech University Students

Fall 2016 – Moist-soil Wetland Management - Mexican Biologist Annual Training, Bosque del Apache NWR, NM

Fall 2016 – Rocket Net Safety Training – Bosque del Apache National Wildlife Refuge Staff, NM

Fall 2015 Moist-soil Wetland Management - Mexican Biologist Annual Training, Bosque del Apache NWR, NM

Fall 2014 Waterfowl and Gamebird Identification – Taos Young Guns, Taos, New Mexico

Fall 2014 Rocket Net Safety Training – Texas Panhandle National Wildlife Refuge Staff and Texas Tech University Students and Faculty

Fall 2012 Waterfowl Identification – New Mexico Department of Game and Fish Game Wardens and U.S. Fish and Wildlife National Wildlife Refuge Law Enforcement Officers, Bosque del Apache, San Antonio, New Mexico

Fall 2012 Rocket Net Safety Training – Arizona and California National Wildlife Refuge Staff, Cibola National Wildlife Refuge, Cibola, Arizona

Select Professional Presentations:

J. McGovern, E. Tanner, G. Eccles, K.J. Kraai, **D.P. Collins**, P. Link, C. Overton, M. Casazza, M. Cline, D. James, C. Hilton, B.M. Ballard. Energy expenditure of northern pintail in response to climatic variation during spring migration. 61th Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2025. Denton, Texas.

Massa, W., E. Blumentritt, **D.P. Collins**, J. French, T. Goodwin, A. Taulli, M. Frank. Evaluating livestock tank forage and cover availability for overwintering grassland birds in the Trans-Pecos. 61th Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2025. Denton, Texas.

Rogers, J.R., J.A. VonBank, **D.P. Collins**, K.J. Kraai, and B.M. Ballard. Migratory connectivity of midcontinent cackling geese (*Branta hutchinsii*). 61th Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2025. Denton, Texas.

Blumentritt, E., J. French, **D.P. Collins**, and M. Frank. Diversity of migrating and wintering birds at livestock tanks in the Trans-Pecos. 61th Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2025. Denton, Texas.

Rogers, J.R., J.A. VonBank, **D.P. Collins**, K.J. Kraai, and B.M. Ballard. Migratory connectivity of midcontinent cackling geese (*Branta hutchinsii*). 2025 Joint Meeting of the Waterbird Society and the Pacific Seabird Group, 6 - 9 January 2025, San Jose, Costa Rica.

McGovern, J.M., E.P. Tanner, G.R. Eccles, K.J. Kraai, **D.P. Collins**, C.D. Hilton, P.T. Link, C.T. Overton, M.L. Casazza, M.H. Cline, J.D. James, and B.M. Ballard. Activity responses of northern pintail to fine-scale thermal conditions during spring migration. 2025 Joint Meeting of the Waterbird Society and the Pacific Seabird Group, 6 - 9 January 2025, San Jose, Costa Rica.

VonBank, J.A., J. Morel, **D.P. Collins**, B.M. Ballard, P. Lavretsky, and K.J. Kraai. Movement ecology of mottled ducks in a novel environment: the South Texas Brush Country. Ducks 9. February 5-9, 2024. Portland, Oregon

Musni, V., K.J. Kraai, D. Butler, J. Morel, **D.P. Collins**, and P. Lavretsky. Assessing morphology among Mexican ducks, mottled ducks, mallards and their hybrids in a recent contact zone in south Texas Brush Country. Ducks 9. February 5-9, 2024. Portland, Oregon

Symanski, M., A. Pearse, **D.P. Collins**. Use of intracoelomic GPS/GSM transmitters in mallards and pintails: an interim look at performance and expectations. Ducks 9. February 5-9, 2024. Portland, Oregon

Eccles, G., K.J. Kraai, **D.P. Collins**, J. VonBank, J. Giese, D. James, and B.M. Ballard. Nonbreeding ecology of female northern pintails and links to fitness. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. February 21-23, 2024. Houston, Texas.

Garza, B., J. McGovern, K.J. Kraai, **D.P. Collins**, and B.M. Ballard. Estimating the proportion of northern pintails available to be surveyed during the annual North American waterfowl breeding survey. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. February 21-23, 2024. Houston, Texas.

Garza, B., J. McGovern, K.J. Kraai, **D.P. Collins**, and B.M. Ballard. Winter site fidelity of female northern pintails using high-resolution GPS data. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. February 21-23, 2024. Houston, Texas.

McGovern, J., E. tanner, C. Hilton, K.J. Kraai, **D.P. Collins**, and B.M. Ballard. Response of female northern pintail to thermal variation during spring migration. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. February 21-23, 2024. Houston, Texas.

- Blumentritt, E., J. French, **D.P. Collins**, and M. Frank. Livestock tanks for migratory and wintering grassland birds in the Trans-Pecos. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. February 21-23, 2024. Houston, Texas.
- Vanausdall, R.A., W.L. Kendall, **D.P. Collins**, J.P. Donnelly, and Q.P. Hays. Greater sandhill crane roost selection and distribution during stopover in Colorado: Implications for management in an arid system. The Wildlife Society 30th Annual Conference. November 5-9, 2023. Louisville, KY.
- Segovia, J., G. Eccles, J. Giese, **D.P. Collins**, K.J. Kraai, and B.M. Ballard. Assessing the impacts of waterfowl habitat management in the Western Gulf Coast Region. 59th Annual Meeting of the Texas Chapter of The Wildlife Society. February 22-24, 2023. Houston, Texas.
- Bradshaw, M.R., G.R. Eccles, J.H. Devries, K.J. Kraai, **D.P. Collins**, J.A. VonBank, J.D. James, P. Link, M. Cline, and B.M. Ballard. Multi-scale habitat selection of breeding female northern pintails in the Prairie Pothole Region. 58th Annual Meeting of the Texas Chapter of The Wildlife Society. February 24-26, 2022. Horseshoe Bay, Texas.
- Collins, D.P.**, M.A. Boggie, S.A. Carleton. 2020. Importance of food subsidies for migratory birds wintering in central New Mexico. 15th North American Crane Workshop. January 8-11, 2020. Lubbock, TX.
- Eccles, G.R., K.J. Kraai, **D.P. Collins**, J.D. James, M.D. Weegman, C.D. Hilton, B.M. Ballard. 2020. Comparing spring migration strategies of northern pintails originating from different regions across North America. 56th Annual Meeting of the Texas Chapter of The Wildlife Society. February 13-15, 2020. Corpus Christi, Texas.
- Brautigam, K.J., W.P. Johnson, **D.P. Collins**, J. Smith, W.C. Conway, O. Fitzsimmons, G.L. Krapu, D.A. Brandt, A.T. Pearse, and B.A. Grisham. 2020. A 20-year look at areas of importance used by overwintering mid-continent population of sandhill cranes. 56th Annual Meeting of the Texas Chapter of The Wildlife Society. February 13-15, 2020. Corpus Christi, Texas.
- Morel, J.R., S.S. Kahl, B.A. Grisham, K.J. Kraai, **D.P. Collins**, W.C. Conway. 2019. Waterfowl forage characterization and carrying capacity estimates for stock ponds of the MT7 Ranch, Stevens County, Texas. 8th North American Duck Symposium. Manitoba, Canada.
- VonBank, J.A., S.A. Cunningham, Toryn L.J. Schafer, M.D. Weegman, P.T. Link, C.K. Winkle, K.J. Kraai, **D.P. Collins**, B.M. Ballard. 2019. Joint use of location and acceleration data to quantify habitat use transitions in Arctic-nesting geese. 8th North American Duck Symposium. Manitoba, Canada.

- Morel, J.R., S.S. Kahl, B.A. Grisham, K.J. Kraai, **D.P. Collins**, W.C. Conway. 2019. Comparison of unmanned aerial vehicle surveys and visual ground surveys of waterfowl on stock ponds in the Oaks and Prairies region of Texas. 8th North American Duck Symposium. Manitoba, Canada.
- Sundararaj, V. K. Fleming, **D.P. Collins**, B.M. Ballard. 2019. A redesigned approach for improving the mottled duck breeding population survey in western gulf coast. 8th North American Duck Symposium. Manitoba, Canada.
- Whitson, M.D., W.C. Conway, D.A. Haukos, **D.P. Collins**, J.A. Moon, P. Walther. Use of moistsoil management techniques for wintering waterfowl in fallow rice fields on the Upper Texas Coast. 8th North American Duck Symposium. Manitoba, Canada.
- Heath, K.M., J.S. Beauchamp, **D.P. Collins**, W.C. Conway, G. Hensley, W.P. Johnson, S.T. Saalfeld, and C.W. Boal. Twenty-year population trends of breeding snowy plovers on the Southern Great Plains of Texas, New Mexico, and Oklahoma. 55th Annual Meeting of the Texas Chapter of the Wildlife Society, Montgomery, TX, 21-23 February 2019.
- Donnelly, J.P., B. Dugger, and **D.P. Collins**. Hitting a moving target: synchrony of avian migration and wetland pulse dynamics in the semi-arid Intermountain West, USA. Society of Wetland Scientist Annual Meeting, Denver, Colorado, May 29-June 1, 2018.
- VonBank, J.A., B.M. Ballard, K.J. Kraai, M.D. Weegman, **D.P. Collins**, and H.L. PerottoBaldivieso. Winter movements and habitat use by greater white-fronted geese. 14th North American Arctic Goose Conference, Lincoln, Nebraska, 14-17 March 2018.
- Sauer, K.J., K.M. Williams, R. O'Shaughnessy, R.S. Luna, **D.P. Collins**. Effects of livestock grazing on grassland abundance and ecosystem health. 54th Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas, TX, 9-11 February 2018.
- Boggie, M.A., S.A. Carleton, **D.P. Collins**, J. Vradenburg, and C.J. Sroka. Using stable isotopes to estimate reliance on agricultural food subsidies and migration timing for a migratory bird. The Wildlife Society 24th Annual Meeting, Albuquerque, New Mexico, September 23-27, 2017.
- Brautigam, K.J., B.A. Grisham, W. Johnson, **D.P. Collins**, S. L. Oldenburger, J. R. Smith, N. D. Athearn, W. C. Conway. Sandhill crane winter fidelity on the Southern High Plains. The Wildlife Society 24th Annual Meeting, Albuquerque, New Mexico, September 23-27, 2017.
- Duffie, L., C.E. Comer, W.C. Conway, D.A. Haukos, **D.P. Collins**, K. Farrish, R.J. Taylor, and H.M. Ashbaugh. Conservation implications and toxicological risk for declining snowy plovers breeding at saline wetlands in the Southern Great Plains. Society of Wetland Scientists 2017 Annual Meeting, San Juan, Puerto Rico, June 5-8, 2017.

- Boggie, M.A., S.A. Carleton, **D.P. Collins**, and J. Vradenburg. Using biomarkers to evaluate use of food subsidies by greater sandhill cranes wintering in New Mexico. 50th Joint Annual Meeting of Arizona/New Mexico Chapters of the Wildlife Society, Farmington, NM, 911 February 2017.
- Collins, D.P.**, C.M. Conring, B.A. Grisham, W.C. Conway, J.M. Knetter, S.A. Carleton, M. A. Boggie. 2016. Evidence of new summer areas and mixing of two greater sandhill crane populations in the intermountain west. 14th North American Crane Workshop, Chattanooga, TN, 11-13 January 2017.
- Brautigam, K., B.A. Grisham, W.J. Johnson, N. Athearn, **D.P. Collins**, S. D. Oldenburger, J. Smith, and W.C. Conway. 2016. Habitat use and distribution of sandhill crane (*Antigone canadensis*) on the Southern High Plains of Texas and New Mexico. North American Ornithological Conference, August 16-20, 2016.
- Lange, C.J., **D.P. Collins**, B.M. Ballard, J.D. James. 2016. Wetland Conservation Strategy for Redheads along the Lower Texas Coast. Society of Wetland Scientists 2016 Annual Meeting. May 31 – June 4, 2016.
- Collins, D.P.**, C.M. Conring, B.A. Grisham, W.C. Conway, J.M. Knetter, S.A. Carleton, M. A. Boggie. 2016. Evidence of mixing of two greater sandhill crane populations. 54th Annual Meeting of the New Mexico Ornithological Society. April 9, 2016.
- Coxen, C.L., S.A. Carleton and **D.P. Collins**. Evaluating the use of PIT tags and satellite transmitters to model the survival and movements of Band-tailed Pigeons in New Mexico. Joint Annual Meeting of the AZ and NM Chapters of The Wildlife Society. Flagstaff, Arizona, February 4-6, 2016.
- Collins, D.P.**, C.J. Lange, B.M. Ballard. 2016. Impacts of Wind Energy on Wintering Redheads. 7th North American Duck Symposium, Annapolis, Maryland, February 1-5, 2016.
- Clark, L.A., S.S. Kahl, B.A. Grisham, **D.P. Collins**. 2016. Waterfowl and Stock Pond Forage Resource Relationships in West Texas. 7th North American Duck Symposium, Annapolis, Maryland, February 1-5, 2016.
- Coxen, C., S.A. Carleton and **D.P. Collins**. 2015. Modeling the demographics and movements of band-tailed pigeons in New Mexico. 53rd New Mexico Ornithological Society Meeting, Roswell, New Mexico.
- Anthony R.S., R. O'Shaughnessy, L. A. Harveson, **D. P. Collins**, and R. S. Luna. 2015. Invertebrate and seed bank potential of moist soil management units in west Texas and the Middle Rio Grande Valley. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.

- Ashbaugh, H.M., W. C. Conway, **D. P. Collins**, D. A. Haukos, and D. Klein. 2015. Snowy plover exposure to metals in sediment and water from saline lakes of the southern Great Plains. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.
- Conring, C.M., B. A. Grisham, and **D. P. Collins**. 2015. Identification of migratory paths and new breeding grounds of greater sandhill cranes in the Lower Colorado River Valley. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.
- Lange, C.J., B. M. Ballard, K. L. Metzger, and **D. P. Collins**. 2015. Modeling sea level rise using a SLAMM model and its effects on colonial water-bird islands. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.
- Lange, C.J., B.M. Ballard, **D. P. Collins**, and R. W. DeYoung. 2015. Impacts of wind energy on wintering redheads along the Lower Texas Coast. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.
- Conring, C.M., B. A. Grisham, and **D. P. Collins**. 2015. Overwinter space use of greater sandhill cranes in the Lower Colorado River Valley. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.
- Duffie, L.E., W. C. Conway, C. E. Comer, H. M. Ashbaugh, D. A. Haukos, and **D. P. Collins**. 2015. Primary feather molt in incubating snowy plovers in the southern High Plains. 51st Annual Meeting of the Texas Chapter of The Wildlife Society. February 19-21, 2015. Corpus Christi, Texas.
- Conring, C.M., B.A. Grisham, and **D.P. Collins**. 2015. Greater Sandhill Crane overwinter roost site use in the Lower Colorado River Valley. Colorado River and Terrestrial and Riparian Annual Meeting. January 27-29, 2015. Laughlin, Nevada.
- Conring, C.M., B.A. Grisham, and **D.P. Collins**. 2015. Identification of migratory paths and new breeding grounds of greater sandhill cranes in the Lower Colorado River Valley. 48th Joint Annual Meeting New Mexico and Arizona Chapters of The Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society. February 5-7, 2015. Las Cruces, New Mexico.
- Coxen, C., S.A. Carleton and **D.P. Collins**. 2015. Modeling the demographics and movements of band-tailed pigeons in New Mexico. 48th Joint Annual Meeting New Mexico and Arizona Chapters of The Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society. February 5-7, 2015. Las Cruces, New Mexico.

- Corning, C.M., B.A. Grisham, **D.P. Collins**. 2014. Lower Colorado River Valley Population of Sandhill Crane (*Grus canadensis tabida*) Breeding and Wintering Ecology. Colorado River and Terrestrial and Riparian Annual Meeting. January 28-31, Laughlin, Nevada.
- Clark, L., S. Kahl, B. Grisham, and **D.P. Collins**. 2014. Food availability for nonbreeding waterfowl on ranching stock ponds in the Rolling Plains of Texas. Presented at the 25th Anniversary USGS Texas Cooperative Fish and Wildlife Research Unit Meeting. July 2014. Lubbock, Texas, United States.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and K.J. Kraai. 2013. Estimating seed production of two abundant moist-soil plant species found on Richland Creek WMA, Texas. 6th North American Duck Symposium. Memphis, Tennessee, January 28-31, 2013.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2013. Seed bank potential of moist-soil managed wetlands on Richland Creek WMA, Texas. 6th North American Duck Symposium. Memphis, Tennessee, January 28-31, 2013.
- Trost, R.E., T.A. Sanders, **D.P. Collins**, and C.A. Palmer. 2011. Demographics and distribution of dusky Canada geese: 1960-2008. 12th North American Arctic Goose Conference, Portland, Oregon January 11-15, 2011.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2007. Body condition indices of three dabbling ducks collected through hunter check stations on Richland Creek WMA, Texas. 42nd Annual Meeting of the Texas Chapter of the Wildlife Society. Beaumont, Texas February 19-21, 2007.
- Varnell, J.M., **D.P. Collins**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2007. Feather molt intensity of three dabbling duck species. 42nd Annual Meeting of the Texas Chapter of the Wildlife Society. Beaumont, Texas February 19-21, 2007.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and J.W. Gunnels. 2006. Food item occurrence of three dabbling ducks species found on Richland Creek WMA, Texas, 2004-2005. 4th North American Duck Symposium. Bismarck, North Dakota, August 23-26, 2006.
- Crook, S., W.C. Conway, **D.P. Collins**, and K.J. Kraai. 2006. Body Condition of diving ducks found on three east Texas reservoirs. 4th North American Duck Symposium. Bismarck, North Dakota, August 23-26, 2006.
- Collins, D.P.**, W.C. Conway, C.D. Mason, and K.J. Kraai. 2005. Shot occurrence and grit size of diving ducks on three east Texas reservoirs. 41st Annual Meeting of the Texas Chapter of the Wildlife Society. South Padre Island, Texas, February 17-19, 2005.

Collins, D.P., W.C. Conway, C.D. Mason, and J.W. Gunnels. 2005. Seed bank potential of moist-soil managed wetlands on Richland Creek WMA, Texas. 41st Annual Meeting of the Texas Chapter of the Wildlife Society. South Padre Island, Texas, February 17-19, 2005.

Collins, D.P., W.C. Conway, and C.D. Mason. 2005. Impacts of management practices on aquatic invertebrates at Richland Creek WMA, Texas. Society of Wetland Scientist South Central Chapter Meeting. San Marcos, Texas, October 5-8, 2005.

References

Sammy King
Unit Leader
US Geological Survey
Louisiana Cooperative Fish and Wildlife Research Unit
Louisiana State University
124 School of Renewable Natural Resources
Baton Rouge, LA 70803
225-578-7564
sking@agcenter.lsu.edu

Warren C. Conway, Ph.D.
Bricker Endowed Chair in Wildlife Management
Department of Natural Resources Management
Texas Tech University
MS 2125
Lubbock, Texas 79409
806-834-6579
warren.conway@ttu.edu

Bart M. Ballard
C. Berdon and Rolanette Lawrence Endowed Chair in Waterfowl Research
Caesar Kleberg Wildlife Research Institute
Texas A&M University-Kingsville
Office: (361) 593-3954
Bart.Ballard@tamuk.edu