

HUMBERTO LAURO PEROTTO, Ph.D.
Curriculum Vitae

Mailing address:

Caesar Kleberg Wildlife Research Institute
Texas A&M University-Kingsville
700 University Blvd, MSC 218
Kingsville, TX 78363

Phone: +1-361-593-3977

Email: Humberto.perotto@tamuk.edu

ResearchGate profile:

http://www.researchgate.net/profile/Humberto_Perotto-Baldivieso

EDUCATION

- **Doctor in Philosophy.** 2005. Texas A&M University.
Major: Rangeland Ecology and Management
Committee Chair: X. Ben Wu
Dissertation: GIS- based multiple scale study of Rio Grande wild turkey habitat in the Edwards Plateau of Texas.
- **Master of Science.** 2000. Texas A&M University.
Major: Forestry
Committee Co-Chairs: Richard Fisher and Tattersall Smith
Thesis Title: Landslide hazard zonation in Namasique and El Triunfo, Southern Honduras.
- **Bachelor of Science.** 1995. Universidad Mayor de San Simón (Bolivia).
Major: Agronomy
Committee Chair: Rosario Torrico
Thesis title: Identificación del agente causal de la marchitez bacteriana en maíz (*Zea mays*) en el Valle Alto de Cochabamba. [Identification of bacterial wilt in corn (*Zea mays*) in the high Valleys of Cochabamba]
- **Post Graduate Certificate in Learning, Teaching and Assessment in Higher Education.** 2015. Cranfield University (U.K.)
- **Certificate of Science Education Specialist.** 2004. Information Technology in Science (ITS) Center for Teaching and Learning, Texas A&M University.

EMPLOYMENT HISTORY

- 2020 to present. Associate Professor and Research Scientist. Department of Rangeland and Wildlife Sciences. Caesar Kleberg Wildlife Research Institute. Texas A&M University – Kingsville.
- 2015 to present. Assistant Professor and Research Scientist. Department of Rangeland and Wildlife Sciences. Caesar Kleberg Wildlife Research Institute. Texas A&M University – Kingsville.
- 2008 to present. Adjunct Faculty. Department of Ecosystem Science and Management. Texas A&M University.
- 2014 – 2015. Consultant. Museo de Historia Natural “Noel Kempff Mercado”. Universidad Autónoma Gabriel Rene Moreno (Bolivia).
- 2009 – 2014. Lecturer in Landscape Ecology. School of Energy, Environment and Agrifood. Cranfield University (United Kingdom).
- 2009. Short-Term Consultant. World Bank (Bolivia).
- 2006 – 2008. Assistant Professor (Academic training). Texas A&M AgriLife Research and Extension Center at Uvalde.
- 2005 – 2006. Post-Doctoral Researcher. Department of Biology. University of Puerto Rico (Puerto Rico).
- 2000 – 2001. Research Assistant. Hazard Reduction and Recovery Center.
- 2001 – 2005. Research Assistant. Department of Rangeland Ecology and Management. Texas A&M University.
- 1996 – 1998. Technical Liaison. IADB–Amazonia Project. Ministerio de Desarrollo Sostenible y Planificación (Bolivia).
- 1995 – 1996. GIS Operator. Bureau of Land Management. Ministerio de Desarrollo Sostenible y Planificación (Bolivia).

COURSES TAUGHT:**Courses Taught at Texas A&M University – Kingsville.*****Graduate:***

- **WFSC 6390 Landscape Ecology.**
- **WFSC 6390 Remote Sensing for Wildlife and Habitat Management.**

Undergraduate:

- **RWSC 2331 Principles of Range and Wildlife Ecology**
- **RWSC 3390 Landscape Ecology.**

Courses taught at other academic institutions (Pre-appointment)

- **Landscape Ecology.** School of Energy, Environment and Agrifood. Cranfield University (United Kingdom). From 2011 to 2014.
- **Remote Sensing.** School of Energy, Environment and Agrifood. Cranfield University (United Kingdom). From 2010 to 2014.
- **Cartography, Remote Sensing and GIS.** Institute of Ecology. Universidad Mayor de San Andrés (Bolivia). 2009.
- **Landscape Ecology.** Institute of Ecology. Universidad Mayor de San Andrés (Bolivia). 2009
- **Landscape Ecology.** Museo Noel Kempff Mercado, Universidad Autónoma Gabriel Rene Moreno (Bolivia). 2009.

BIBLIOGRAPHY OF PUBLICATIONS

Refereed Journal Articles

1. Avila-Sanchez, J. S., C. E. Bates, A. M. Camacho, A. M. DiMaggio, S. Jacobson, B. K. Johnston, M. T. Page, E. C. Rhodes, N. J. Traub, and **H. L. Perotto-Baldivieso**. 2021. Rangeland Ecology & Management Highlights. 43: 127–130. *Rangelands*. DOI: 10.1016/0190-0528.43.3.127.
2. Blackburn, A., C. J. Anderson, A. M. Veals, M. E. Tewes, D. B. Wester, J. H. Young Jr., R. W. DeYoung, and **H. L. Perotto-Baldivieso**. 2021. Landscape patterns of ocelot-vehicle collision sites. *Landscape Ecology* 36: 497–511. DOI: 10.1007/s10980-020-01153-y.
3. Lombardi, J. V., **H. L. Perotto-Baldivieso**, M. Sergeyev, A. M. Veals, L. Schofield, J. H. Young, and M. E. Tewes. 2021. Landscape structure of Woody cover patches for endangered ocelots in Southern Texas. *Remote Sensing* 13: 4001. DOI: 10.3390/rs13194001.
4. *Menefee, A. R., **H. L. Perotto-Baldivieso**, W. P. Kuvlesky, L. A. Brennan, J. A. Ortega-S., M. T. Page, and J. K. Burchsted. 2021. Old tricks-new opportunities: Combining telemetry ellipses and Landscape metrics to assess habitat spatial structure. *Landscape Ecology* 36: 721–734. DOI: 10.1007/s10980-020-01160-z.
5. Muhamad Nor, A. N., H. Abdul Aziz, S. A. Nawawi, R. Muhammad Jamil, M. A. Abas, K. A. Hambali, A. H. Yusoff, N. Ibrahim, N. H. Razaai, R. Corstanje, J. Harris, D. Grafius, and **H. L. Perotto-Baldivieso**. 2021. Evolution of Green Space under Rapid Urban Expansion in Southeast Asian Cities. *Sustainability* 13:12024. DOI: 10.3390/su132112024.
6. Pope, T., A. A. Killam, V. M. Cavazos, S. E. Henke, D. B. Wester, **H. L. Perotto-Baldivieso**, and C. D. Hilton. 2021. Raccoon roundworm as an occupational hazard to caregivers of captive wildlife. *Journal of Wildlife Rehabilitation*. 41: 7–14.
7. Stewart, K. G., F. Hernández, E. D. Grahmann, D. B. Wester, R. M. Perez, L. A. Brennan, and **H. L. Perotto-Baldivieso**. 2021. Influence of juniper on Montezuma quail habitat use in Texas. *The Journal of Wildlife Management*. 85: 1711–1720. DOI: 10.1002/jwmg.22129.
8. Cheleuitte-Nieves, C., **H. L. Perotto-Baldivieso**, X. B. Wu, and S. M. Cooper. 2020. Environmental and landscape influences on the spatial and temporal distribution of a cattle herd in a South Texas rangeland. *Ecological Processes* 9:39. DOI: 10.1186/s13717-020-00245-6.
9. *DiMaggio, A. M., **H. L. Perotto-Baldivieso**, J. A. Ortega-S., C. Walther, K. N. Labrador-Rodriguez, M. T. Page, J. d. I. L. Martinez, S. Rideout-Hanzak, B. C. Hedquist, and D. B. Wester. 2020. A pilot study to estimate forage mass from unmanned aerial vehicles in a semi-arid rangeland. *Remote Sensing* 12:2431. DOI: 10.3390/rs12152431.
10. Garza, B. N., V. Ancona, J. Enciso, **H. L. Perotto-Baldivieso**, M. Kunta, and C. Simpson. 2020. Quantifying citrus tree health using true color UAV images. *Remote Sensing* 12:170. DOI: 10.3390/rs12010170.

11. Huerta, J. O., S. E. Henke, **H. L. Perotto-Baldivieso**, D. B. Wester, and M. T. Page. 2020. Ability of observers to detect herpetofaunal models using video from unmanned aerial vehicles. *Herpetological Review* 51:11-17.
12. Lombardi, J. V., **H. L. Perotto-Baldivieso**, and M. E. Tewes. 2020. Land cover trends in South Texas (1987–2050): Potential implications for wild felids. *Remote Sensing* 12:659. DOI: [10.3390/rs12040659](https://doi.org/10.3390/rs12040659).
13. Lombardi, J. V., D. I. MacKenzie, M. E. Tewes, **H. L. Perotto-Baldivieso**, J. M. Mata, and T. A. Campbell. 2020. Co-occurrence of bobcats, coyotes, and ocelots in Texas. *Ecology and Evolution* 10:4903-4917. DOI: [10.1002/ece3.6242](https://doi.org/10.1002/ece3.6242).
14. Lombardi, J. V., M. E. Tewes, **H. L. Perotto-Baldivieso**, J. M. Mata, and T. A. Campbell. 2020. Spatial structure of woody cover affects habitat use patterns of ocelots in Texas. *Mammal Research* 65:555-563. DOI: [10.1007/s13364-020-00501-2](https://doi.org/10.1007/s13364-020-00501-2).
15. Sanders, H. N., D. G. Hewitt, **H. L. Perotto-Baldivieso**, K. C. VerCauteren, and N. P. Snow. 2020. Invasive Wild Pigs as Primary Nest Predators for Wild Turkeys. *Scientific Reports* 10:2625. DOI: [10.1038/s41598-020-59543-w](https://doi.org/10.1038/s41598-020-59543-w).
16. Sanders, H. N., D. G. Hewitt, **H. L. Perotto-Baldivieso**, K. C. Vercauteren, and N. P. Snow. 2020. Opportunistic predation of wild turkey nests by wild pigs. *The Journal of Wildlife Management* 84:293-300. DOI: [10.1002/jwmg.21797](https://doi.org/10.1002/jwmg.21797).
17. *Wied, J. P., **H. L. Perotto-Baldivieso**, A. A. T. Conkey, L. A. Brennan, and J. M. Mata. 2020. Invasive grasses in South Texas Rangelands: historical perspectives and future directions. *Invasive Plant Science and Management* 13:41-58. DOI: [10.1017/inp.2020.11](https://doi.org/10.1017/inp.2020.11).
18. Ajedegba, J. O., **H. L. Perotto-Baldivieso**, and K. D. Jones. 2019. Coastal dune vegetation resilience at South Padre Island: A spatio-temporal evaluation of the landscape structure. *Journal of Coastal Research* 35:534-544. DOI: [10.2112/JCOASTRES-D-18-00034.1](https://doi.org/10.2112/JCOASTRES-D-18-00034.1).
19. Crowley, D. M., L. A. Brennan, **H. L. Perotto-Baldivieso**, W. P. Kuvlesky Jr., J. A. Ortega-Santos, D. B. Wester, and N. R. Kolbe. 2019. Comparing Eastern and Rio Grande wild turkey survey methods in Northeast Texas. *Bulletin of the Texas Ornithological Society* 52:1-7.
20. Hernández, F., C. Rios, and **H. L. Perotto-Baldivieso**. 2019. Evolutionary history of herbivory in the Patagonian Steppe: The role of climate, ancient megafauna, and guanaco. *Quaternary Science reviews* 220: 279–290. DOI: [10.1016/j.quascirev.2019.07.014](https://doi.org/10.1016/j.quascirev.2019.07.014).
21. Kubečka, B. W., J. T. Edwards, L. M. Lacoste, D. Rollins, F. Hernández, and **H. L. Perotto-Baldivieso**. 2019. An evaluation of population indices for northern bobwhite. *Wildlife Society Bulletin* 43:291–301. DOI: [10.1002/wsb.972](https://doi.org/10.1002/wsb.972).

22. Miller, K. S., L. A. Brennan, **H. L. Perotto-Baldivieso**, F. Hernández, E. D. Grahmann, A. Z. Okay, X. B. Wu, M. J. Peterson, H. Hannusch, J. Mata, J. Robles, and T. Shedd. 2019. Correlates of habitat fragmentation and northern bobwhite abundance in the Gulf Coast Prairie Landscape Conservation Cooperative. *Journal of Fish and Wildlife Management* 10:3–18. DOI: 10.3996/112017-JFWM-094.
23. Newman, B. C., S. E. Henke, D. B. Wester, T. M. Shedd, **H. L. Perotto-Baldivieso**, and D. C. Rudolph. 2019. Determining the suitability of the Jamaican boa (*Chilabothrus subflavus*) for short-distance translocation in Cockpit Country, Jamaica. *Caribbean Journal of Science* 49:210–226.
24. *Cheleuitte-Nieves, C., **H. L. Perotto-Baldivieso**, X. B. Wu, and S. M. Cooper. 2018. Association patterns reveal dispersal-aggregation dynamics among cattle in a South Texas Rangeland, USA. *Ecological Processes* 7:29. DOI: 10.1186/s13717-018-0141-9.
25. *Cochi Machaca, N., B. Condori, A. Rojas Pardo, F. Anthelme, R. I. Meneses, C. E. Weeda, and **H. L. Perotto-Baldivieso**. 2018. Effects of grazing pressure on plant species composition and water presence on bofedales in the Andes mountain range of Bolivia. *Mires and Peat* 21:1–15. DOI: 10.19189/MaP.2017.OMB.303.
26. *Mata, J. M., **H. L. Perotto-Baldivieso**, F. Hernández, E. D. Grahmann, S. Rideout-Hanzak, J. T. Edwards, M. T. Page, and T. M. Shedd. 2018. Quantifying the spatial and temporal distribution of tanglehead (*Heteropogon contortus*) on South Texas rangelands. *Ecological Processes* 7:1–9. DOI: 10.1186/s13717-018-0113-0.
27. Hansler, T. P., S. E. Henke, **H. L. Perotto-Baldivieso**, J. A. Baskin, C. Hilton. 2017. Short-distance translocation as a management option for nuisance maritime pocket gophers. *Southeastern Naturalist* 164: 603–613. DOI: 10.1656/058.016.0409.
28. *Zemanova, M.A., **H.L. Perotto-Baldivieso**, E.L. Dickins, A.B. Gill, J.P. Leonard, D.B. Wester. 2017. Impact of deforestation on habitat connectivity thresholds for large carnivores in tropical forests. *Ecological Processes*, 6, 21. DOI: 10.1186/s13717-017-0089-1.
29. Muñoz Puelles, L., A. B. Gill, K. Osinaga, and **H. L. Perotto-Baldivieso**. 2016. Floodplain fish communities in river systems in Bolivia: Current knowledge and addressing future research challenges. *Ecología en Bolivia* 51:26–41.
30. Fernández, M., L. M. Navarro, A. Apaza-Quevedo, S. C. Gallegos, A. Marques, C. Zambrana-Torrel, F. Wolf, H. Hamilton, A. J. Aguilar-Kirigin, L. F. Aguirre, M. Alvear, J. Aparicio, L. Apaza-Vargas, G. Arellano, E. Armijo, N. Ascarrunz, S. Barrera, S. G. Beck, H. Cabrera-Condarco, C. Campos-Villanueva, L. Cayola, N. P. Flores-Saldana, A. F. Fuentes, M. C. García-Lino, M. I. Gómez, Y. S. Higuera, M. Kessler, J. C. Ledezma, J. M. Limachi, R. P. López, M. I. Loza, M. J. Macía, R. I. Meneses, T. B. Miranda, A. B. Miranda-Calle, R. F. Molina-Rodriguez, R. M. Moraes, M. I. Moya-Diaz, M. Ocampo, **H. L. Perotto-Baldivieso**, O. Plata, S. Reichle, K. Rivero, R. Seidel, L. Soria, M. F. Terán, M. Toledo, F. S. Zenteno-Ruiz, and H. M. Pereira. 2015. Challenges and opportunities for the Bolivian Biodiversity Observation Network. *Biodiversity*. 16:86–98. DOI: 10.1080/14888386.2015.1068710.

31. Santos, S. A., H. P. Lima, **H. L. Perotto-Baldivieso**, L. O. Oliveira, and W. M. Tomas. 2014. GIS-fuzzy logic approach for building indices: regional feasibility and natural potential of ranching in tropical wetland. *Journal of Agricultural Informatics* 5:26–33. DOI: [10.17700/jai.2014.5.2.140](https://doi.org/10.17700/jai.2014.5.2.140).
32. Tait, J., **H.L. Perotto-Baldivieso**, A. McKeown, and D. Westcott. 2014. Are flying foxes coming to town? Urbanisation of the spectacled flying fox (*pteropus conspicillatus*) in Northern Queensland. *PLOS One* 9(10): e109810. DOI: [10.1371/journal.pone.0109810](https://doi.org/10.1371/journal.pone.0109810).
33. *Young, D., **H. L. Perotto-Baldivieso**, T. Brewer, R. Homer, and S. A. Santos. 2014. Monitoring British upland grazing ecosystems with the use of landscape structure as an indicator for state-and-transition models. *Rangeland Ecology and Management* 67: 380–388. DOI: [10.2111/REM-D-13-00170.1](https://doi.org/10.2111/REM-D-13-00170.1).
34. Santos, S. A., H. L. **Perotto-Baldivieso**, and D. Young. 2014. Resilience and degradation in a tropical wetland overgrazed by cattle. *Tropical Grasslands – Forrajes Tropicales* 2: 138–139. DOI: [10.17138/tgft\(2\)138-139](https://doi.org/10.17138/tgft(2)138-139).
35. *Arancibia-Arce, L.R., **H. L. Perotto-Baldivieso**, J. R. Furlán, M. Castillo-García, L. Soria, and K. Rivero-Guzmán. 2013. Spatial and temporal assessment of fragmentation and connectivity analysis for ecotourism activities in a RAMSAR site: Bañados de Isoso (Santa Cruz, Bolivia). *Ecología en Bolivia* 48: 87–103.
36. *Dickins, E. L., A. R. Yallop, and **H. L. Perotto-Baldivieso**. 2013. A multiple-scale analysis of host plant selection in Lepidoptera. *Journal of Insect Conservation* 17: 933–939. DOI: [10.1007/s10841-013-9574-8](https://doi.org/10.1007/s10841-013-9574-8).
37. Ku, N. W., S. C. Popescu, R. J. Ansley, **H. L. Perotto-Baldivieso**, and A. M. Filippi. 2012. Assessment of available rangeland woody plant biomass with a terrestrial Lidar system. *Photogrammetric Engineering & Remote Sensing* 78: 349–361. DOI: [10.14358/PERS.78.4.349](https://doi.org/10.14358/PERS.78.4.349).
38. ***Perotto-Baldivieso, H. L.**, S. M. Cooper, A. F. Cibils, M. Figueroa-Pagán, K. Udaeta, and C. Rubio. 2012. Detecting autocorrelation problems from GPS collars data in livestock studies. *Applied Animal Behaviour Science* 136: 117–125. DOI: [10.1016/j.applanim.2011.11.009](https://doi.org/10.1016/j.applanim.2011.11.009).
39. Cooper, S. M., **H. L. Perotto-Baldivieso**, M. G. Meek, M. Figueroa-Pagán, and M. K. Owens. 2011. Influence of ranch infrastructure on the spatial distribution of white-tailed deer on South Texas rangeland. *Animal Production Science* 51(4): xiii-xvii. DOI: [10.1071/ANv51n4communic](https://doi.org/10.1071/ANv51n4communic).
40. ***Perotto-Baldivieso, H. L.**, X. B. Wu, M. J. Peterson, F. E. Smeins, N. J. Silvy, and T. W. Schwertner. 2011. Flooding-induced landscape changes along dendritic stream networks and implications for wildlife habitat. *Landscape and Urban Planning* 99: 115–122. DOI: [10.1016/j.landurbplan.2010.09.002](https://doi.org/10.1016/j.landurbplan.2010.09.002).
41. ***Perotto-Baldivieso, H. L.**, E. Meléndez-Ackerman, M. A. García, P. Leimgruber, S. M. Cooper, A. Martinez, P. Calle, O. M. Ramos Gonzales, M. Quiñones, C. Christen, and G. Pons. 2009. Spatial

distribution, connectivity, and the influence of scale: habitat availability for the endangered Mona Island Rock Iguana. *Biodiversity and Conservation* 18: 905–917. *DOI: 10.1007/s10531-008-9520-3*.

42. Cooper, S. M., **H. L. Perotto-Baldivieso**, M. K. Owens, M. G. Meek, and M. Figueroa-Pagán. 2008. Distribution and interaction of white-tailed deer and cattle in a semi-arid grazing system. *Agriculture Ecosystems and Environment* 127: 85–92. *DOI: 10.1016/j.agee.2008.03.004*.
43. Huang, Y., B. P. Wilcox, L. Stern, and **H. L. Perotto-Baldivieso**. 2006. Springs on rangelands: Influence of woody plant cover and runoff dynamics. *Hydrological Processes* 20: 3277–3288. *DOI: 10.1002/hyp.6332*.
44. ***Perotto-Baldivieso, H. L.**, T. L. Thurow, C. T. Smith, R. F. Fisher, and X. B. Wu. 2004. GIS-based spatial analysis and modeling for landslide hazard assessment in steeplands, Southern Honduras. *Agriculture Ecosystems and Environment* 103: 165–176. *DOI: 10.1016/j.agee.2003.10.011*.
45. Drees, L. R., L. P. Wilding, P. R. Owens, X. B. Wu, **H. Perotto**, and **H. Sierra**. 2003. Steepland resources: Characteristics, stability and micromorphology. *Catena* 54: 619–636. *DOI: 10.1016/S0341-8162(03)00138-3*.
46. Thurow, T. L., A. P. Thurow, X. B. Wu, and **H. L. Perotto-Baldivieso**. 2002. How to target soil conservation investments in Honduras. *Choices* 17: 20–25.

* **H. L. Perotto-Baldivieso** is corresponding author

Nonrefereed articles (Popular articles)

1. Avila-S., J. S., V. L. Haynes, S. Rideout-Hanzak, D. B. Wester, J. A. Ortega S., H. L. Perotto-Baldivieso, and L. R. Shofield. 2020. East Foundation Bulletin. *Management Bulletin* 5: 4 p.
2. Kuvlesky, W. P., H. L. Perotto-Baldivieso, and A. Menefee. 2020. The South Texas wild turkey project. *South Texas Wildlife Newsletter* 24 (1):1-2.
3. Ortega S. J. C. H. Walther, A. DiMaggio, R. Combs, J. M. Mata, H. L. Perotto-Baldivieso, S. Rideout-Hanzak, and D. B. Wester. 2020. Challenges and strategies to manage invasion of tanglehead: a threat for wildlife habitat integrity. *Tracks* 5(1): 8-11.
4. Page, M. T., H. L. Perotto-Baldivieso, and A. Ortega S. 2020. Drones and tree canopy heights in Texas. *South Texas Wildlife Newsletter* 24 (1):3-4.
5. Opatz, A., G. Mizer, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2019. Pronghorn in the Texas Panhandle: The Habitat-Cropland Paradox. *Caesar Kleberg Tracks* 4(1):18-21.

6. Sanchez, G. A., R. W. DeYoung, S. S. Gray, T. E. Fulbright, H. L. Perotto-Baldivieso, D. G. Hewitt, and L. A. Harveson. 2019. Mule Deer Foundation July/August 2019: 16-17.
7. Woodard, D. A., L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, and N. Wilkins. 2019. Tracking South Texas quail hunts: Preliminary Research Findings. Hunters Horn Fall 2019: 110-111
8. Woodard, D. A., A. Montalvo, L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, and N. Wilkins. 2019. Documenting a late season quail hatch. East Foundation, Management Bulletin N 1: 4 p.
9. Woodard, D. A., Z. J. Pearson, L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, N. Wilkins, and D. Delaney. 2019. Some current bobwhite research in South Texas density estimation and testing. Quail Coalition 2019 Yearly Review.
10. Kuvlesky, W. Jr., J. A. Ortega-Santos, and H. L. Perotto-Baldivieso. 2018. The CKWRI wild turkey project. South Texas Wildlife 22(2):3-4.
11. Perotto-Baldivieso, H. L., J. M. Mata, F. Hernández, E. D. Grahmann, S. Rideout-Hanzak, J. T. Edwards, M. T. Page, and T. M. Shedd. 2018. Monitoring tanglehead from space. Caesar Kleberg Tracks 3(1):15.
12. Perotto-Baldivieso, H. L., J. A. Ortega-S., D. B. Wester, K. Labrador, J. Mata, and M. House. 2018. Looking at vegetation from the skies. Caesar Kleberg Tracks 3:(1)12-14.
13. Fulbright, T., R. DeYoung, D. Hewitt, W. C. Conway, H. Perotto-Baldivieso, and S. Gray. 2017. Panhandle pronghorns: How do crops influence them? Caesar Kleberg Tracks 2(1):8-9.
14. Mitchell, B. S., D. Crowley, W. P. Kuvlesky, Jr., J. A. Ortega-Santos, L. A. Brennan, and H. Perotto-Baldivieso. 2017. The Caesar Kleberg wild turkey research project. Caesar Kleberg Tracks 2(2):12-15.
15. Perotto-Baldivieso, H. L., J. A. Ortega-S., S. Rideout-Hanzak, D. B. Weser, J. Jung, J. M. Mata, C. Walther, K. Labrador. 2017. Geospatial Technologies: New trends and ideas for range and wildlife habitat management. Grass roots, May-June 2017: 9-10.
16. Perotto-Baldivieso, H. L., D. Weimers. 2017. The Don Pendleton Memorial College student awards. Grass roots, Nov-Dec 2017: 12-16.
17. Perotto-Baldivieso, H. L. 2016. Geospatial Technologies Laboratory at CKWRI. South Texas Wildlife.

Articles featuring the Landscape Ecology Program at CKWRI

- Navejar, J. 2017. Drones take wildlife research into the future. Javelina Today, Fall 2017: 6-8.

Cary, P. 2019. Eyes in the Sky: Drones for Conservation. *National Wildlife*, February-March 2019:38–43.

Barnett, M. 2019. Gee whiz technology: keep an open mind. *The Cattleman*, May 2019:78–83

Refereed abstracts

2021

1. Bates, C., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-S., L. A. Brennan, J. V. Lombardi., M. T. Page, and N. R. Kolbe. 2021. Analysis of survey methodologies for wintering Rio Grande wild turkeys in Cross Timbers and Post Oak Savannah ecoregions. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student poster.
2. Bates, C., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-S., L. A. Brennan, J. V. Lombardi., M. T. Page, and N. R. Kolbe. 2021. Analysis of survey methodologies and development of habitat suitability models for wintering Rio Grande wild turkeys. International Association for Landscape Ecology. Virtual meeting. 12 – 16 April 2021. Graduate Student presentation.
3. Branney, A., A. Veals, J. M. Korn, H. L. Perotto-Baldivieso, M. J. Cherry, and M. E. Tewes. 2021. Bobcat home range analysis and resource selection in managed brush landscapes in South Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Graduate student poster.
4. Branney A. B., T.J. Yamashita, J.V. Lombardi, J. M. Korn, H.L. Perotto-Baldivieso, M.J. Cherry, and M.E. Tewes. 2021. Bobcat home range analysis and resource selection in managed brush landscapes of South Texas. 100th Annual meeting of the American Society of Mammologists. Virtual Meeting 14 – 18 June 2021. Faculty poster.
5. Camacho, A. M., W. E. Gless, J. Exum, A. Foley, R. DeYoung, E. P. Tanner, S. D. Nelson, and Humberto L. Perotto-Baldivieso. 2021. When is the best time to fly a drone for wildlife surveys? Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
6. Camacho, A. M., W. E. Gless, T. Yamashita, J. Exum, A. Foley, R. DeYoung, E. P. Tanner, S. D. Nelson, and H. L. Perotto-Baldivieso. 2021. Using UAVs for aerial wildlife surveys. What is the big picture? International Association for Landscape Ecology. Virtual meeting. 12 – 16 April 2021. Graduate Student presentation.
7. Camacho, A. M., A. L. Montemayor, W. E. Gless, T. Yamashita, J. Exum, Humberto L. Perotto-Baldivieso, A. Foley, R. DeYoung, E. P. Tanner, and S. D. Nelson. 2021. Planning aerial wildlife surveys with UAVs. What is the big picture? Texas Section Society for Range Management. Victoria, TX. 20 – 22 October 2021. Graduate student presentation.
8. Combs, R. C., J. Alfonso-Ortega-S., H. L. Perotto-Baldivieso, S. Rideout-Hanzak, D. B. Wester, D. R. Tolleson, M. T. Page, and A. M. Camacho. 2021. Pilot study to estimate crude protein in

tanglehead using unmanned aerial vehicles. Texas Section Society for Range Management. Victoria, TX. 20 – 22 October 2021. Graduate student presentation.

9. Friesenhahn, B., R. W. DeYoung, M. J. Cherry, H. L. Perotto-Baldivieso, K. C. VerCauteren, N. P. Snow, J. W. Fischer. 2021. Movement responses and resource selection of wild pigs in relation to corn growth stages. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
10. Friesenhahn, B., R. W. DeYoung, H. L. Perotto-Baldivieso, M. J. Cherry, N. P. Snow, K. C. VerCauteren. 2021. Movements and Resource selection of wild pigs in relation to crop growth stages. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Graduate student poster.
11. Gless IV, W. A., A. M. Camacho., M.T. Page, M. A. Ramirez, J. A. Ortega-S. H. L. Perotto-Baldivieso, E. P. Tanner, F. S. Smith, A. D. Falk, D. Daniels, T. Kimmet, S. D. Nelson. 2021. Identifying spectral signatures for bunch grasses using UAV mounted multispectral sensors. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Undergraduate Student poster.
12. Granger, M. C. Hilton, S. Henke, L. Schofield, and H. L. Perotto-Baldivieso. 2021. Reproductive capabilities of nilgai in South Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Graduate student presentation.
13. Granger, M. C. Hilton, S. Henke, H. L. Perotto-Baldivieso, and T. Campbell. 2021. Reproductive capabilities of nilgai in South Texas. 2021. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student poster.
14. Granger, M., H. L. Perotto-Baldivieso, C. Hilton, S. Henke, T. Campbell. 2021. Habitat utilization of nilgai in during the winter in South Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February.2021. Graduate Student presentation.
15. Lombardi, J. V., H. L. Perotto-Baldivieso, M. Sergeyev, A. Veals, L. Schofield, J. Young, and M. T. Tewes. 2021. Landscape structure of woody communities for ocelots in Southern Texas. 100th Annual meeting of the American Society of Mammologists. Virtual Meeting. 14 – 18 June 2021. Faculty poster. Faculty poster.
16. Lombardi, J. V., H. L. Perotto-Baldivieso, M. Sergeyev, A. Veals, L. Schofield, J. Young, and M. T. Tewes. 2021. Landscape structure of woody communities for ocelots in Southern Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Faculty presentation.
17. Lombardi, J. V., H. L. Perotto-Baldivieso, M. E. Tewes, M. Sergeyev, J. P. Leonard, A. M. Veals, L. Schofield, J. H. Young. 2021. Are all large patches created equally? Landscape structure of woody communities to inform ocelot recovery and road mitigation in Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Faculty presentation.

18. Massey, L. D., Friesenhahn, B., R. W. DeYoung, H. L. Perotto-Baldivieso, J. Fischer, N. P. Snow, and K. C. Vercauteren. 2021. Quantifying wild pig damage at different crop growth stages with remote sensing techniques. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Undergraduate Student poster.
19. Moberg, D. R., H. L. Perotto-Baldivieso, V. M. Cavazos, T. E. Fulbright, R. W. DeYoung, D. G. Hewitt, W. C. Conway, and S. Gray. 2021. Spatiotemporal patterns of Pronghorn in the Texas Panhandle. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Undergraduate Student poster.
20. Moberg, D. R., H. L. Perotto-Baldivieso, V. M. Cavazos, T. E. Fulbright, R. W. DeYoung, D. G. Hewitt, W. C. Conway, and S. Gray. 2021. Spatiotemporal patterns of Pronghorn in the Texas Panhandle. Texas Section Society for Range Management. Victoria, TX. 20 – 22 October 2021. Undergraduate student poster (1st Place winner).
21. Moberg, D. R., H. L. Perotto-Baldivieso, V. M. Cavazos, T. E. Fulbright, R. W. DeYoung, D. G. Hewitt, W. C. Conway, and S. Gray. 2021. Spatiotemporal patterns of Pronghorn in the Texas Panhandle. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Undergraduate student poster.
22. Montemayor, A., A. M. Camacho, E. P. Tanner, D. Daniels, S. D. Nelson H. L. Perotto-Baldivieso. 2021. Modelling increasing temperatures and woody plant encroachment from 2021 to 2060 using global climate models. Texas Section Society for Range Management. Victoria, TX. 20 – 22 October 2021. Undergraduate student poster.
23. Page, M. T., R. C. Combs, B. K. Johnston, M. Ramirez, A. M. Camacho, A. M. DiMaggio, J. A. Ortega-S., D. Daniels, T. Kimmet, E. P. Tanner, J. P. Angerer, H. L. Perotto-Baldivieso. 2021 An operational approach to forage mass estimation using drones. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
24. Page, M. T., R. C. Combs, B. K. Johnston, M. Ramirez, A. M. Camacho, A. M. DiMaggio, J. A. Ortega-S., D. Daniels, T. Kimmet, E. P. Tanner, J. P. Angerer, H. L. Perotto-Baldivieso. 2021 An operational approach to forage mass estimation using drones. International Association for Landscape Ecology. Virtual meeting. 12 – 16 April 2021. Graduate Student presentation.
25. Ramirez, M. A., M. T. Page, R. C. Combs, B. K. Johnston, A. M. Camacho, A. DiMaggio, E. P. Tanner, J. A. Ortega-S., D. Daniels, T. Kimmet, J. Angerer, H. L. Perotto-Baldivieso. 2021. Pasture biomass estimation using UAV lowest point analysis. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Undergraduate Student poster.
26. Slifka, D., LA. Brennan, A. A. Conkey, F. Hernandez, H. L. Perotto-Baldivieso, T. A. Campbell, J. O. Huerta, T. N. Housler. 2021. Population trends of land birds on East Foundation ranches: An analysis of ten years of data. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student poster.

27. Stewart, K. G., F. Hernández, E. D. Grahmann, H. L. Perotto-Baldivieso, L. A. Brennan, D. B. Wester, and R. Perez. 2021. Influence of juniper on Montezuma quail habitat use in Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
28. Trafford, T., J. P. Wied, M. T. Page, D. R. Moberg, V. Cavazos, J. Baumgardt, H. L. Perotto-Baldivieso. 2021. Convolutional neural networks land cover classification for wildlife habitat in South Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February.2021. Undergraduate Student poster.
29. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, N. Wilkins. 2021. Implementing and evaluating a sustainable bobwhite harvest prescription. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
30. Yamashita, T. J., H. L. Perotto-Baldivieso, M. E. Tewes, J. H. Young, J. V. Lombardi. 2021. Quantifying the vegetation structure around Wildlife crossing structures in Cameron County, Texas. International Conference on Ecology and Transportation. Virtual meeting. 22 – 29 September 2021. Graduate student presentation.
31. Yamashita, T. J., H. L. Perotto-Baldivieso, M. E. Tewes, J. H. Young, J. V. Lombardi. 2021. Quantifying the vegetation structure around Wildlife crossing structures in Cameron County, Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Graduate student presentation.

2020

32. Blackburn, A., C. J. Anderson, A. M. Veals, M. E. Tewes, D. B. Wester, J. H. Young Jr., R. W. DeYoung, and H. L. Perotto-Baldivieso. 2020. Landscape patterns of ocelot vehicle collision sites. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
33. Blackburn, A., A. M. Veals, M. E. Tewes, J. H. Young Jr., R. W. DeYoung, and H. L. Perotto-Baldivieso. 2020. Comparative landscape analysis of wildlife crossing structures and vehicle collision sites of the endangered ocelot. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
34. Cavazos, V. M., D. Moberg, T. Fulbright, R. DeYoung, D. Hewitt, W. Conway, H. L. Perotto-Baldivieso, S. S. Gray. 2020. Assessing pronghorn movement at multiple spatial and temporal scales in agricultural landscapes in the Texas Panhandle. Subtropical Agricultural and Environments Annual Conference, Weslaco, TX. & February 2020. Undergraduate student poster
35. Cavazos, V. M., D. Moberg, T. Fulbright, R. DeYoung, D. Hewitt, W. Conway, H. L. Perotto-Baldivieso, S. S. Gray. 2020. Assessing pronghorn movement at multiple spatial and temporal scales in agricultural landscapes in the Texas Panhandle. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Undergraduate student poster.

36. Diehl, S. N., J. P. Wied, T. E. Fulbright, R. W. DeYoung, W. C. Conway, H. L. Perotto-Baldivieso. 2019. Changes in Agricultural land cover in the Texas Panhandle: 2004–2019. Subtropical Agricultural and Environments Annual Conference, Weslaco, TX. & February 2020. Undergraduate student poster (First Place).
37. Diehl, S. N., J. P. Wied, T. E. Fulbright, R. W. DeYoung, D. Hewitt, W. Conway, H. L. Perotto-Baldivieso, and S. S. Gray. 2020. Changes in agricultural land cover in the Texas Panhandle. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Undergraduate student poster.
38. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, M. T. Page, J. L. Martinez, S. Rideout-Hanzak, B. Hedquist, and D. B. Wester. 2020. Forage standing crop estimation from unmanned aerial vehicles in semi-arid rangelands. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student Cottam oral presentation.
39. Friesenhahn, B., R. W. DeYoung, H. L. Perotto-Baldivieso, K. C. VerCauteren, N. P. Snow. J. W. Fischer. 2020. Space use of wild pigs in relation to crop growth stages in an agricultural landscape. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
40. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegan, and H. L. Perotto-Baldivieso. 2020. A model of shorebird foraging habitat in the Laguna Madre. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
41. Lombardi J. V., D. I. MacKenzie, M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2020. Co-occurrence of bobcats, coyotes, and ocelots in Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student Cottam oral presentation.
42. Lombardi, J. V., H. L. Perotto-Baldivieso, M. E. Tewes, J. P. Leonard, D. G. Hewitt, D. G. Scognamillo, and T. A. Campbell. 2020. Predictive performance of GPS telemetry fix rates to inform ocelot species distribution models. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
43. Massey, L. D., B. Friesenhahn, R. W. DeYoung, H. L. Perotto-Baldivieso, J. Fischer, N. P. Snow, and K. C. VerCauteren. 2020. Quantifying wild pig damage at different crop growth stages with remote sensing techniques. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Undergraduate student poster.
44. Mizer, G. L., W. C. Conway, A. P. Opatz, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, and S. S. Gray. 2020. Influence of Agricultural production and anthropogenic structures on pronghorn survival in the Texas Panhandle. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.

45. Page, M. T., V. Cavazos, H. Carroll, K. Baca, D. Daniels, and H. L. Perotto-Baldivieso, and A. Ortega S. 2020. Evaluating mesquite canopy height using UAVs and other Geospatial methodologies. Subtropical Agricultural and Environments Annual Conference, Weslaco, TX. & February 2020. Graduate student poster.
46. Page, M. T., V. Cavazos, H. Carroll, K. Baca, D. Daniels, and H. L. Perotto-Baldivieso, and A. Ortega S. 2020. Evaluating mesquite canopy height using UAVs and other Geospatial methodologies. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
47. Pearson, Z. J., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, A. Montalvo, and D. A. DeLaney. 2020. Defining covey locations and flight path deviation during aerial quail surveys. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
48. Pope, T., A. K. Killam, V. M. Cavazos, S. E. Henke, D. B. Wester, H. L. Perotto-Baldivieso, and C. D. Hilton. 2020. Raccoon roundworm as an occupational hazard to captive wildlife and their caregivers. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
49. Trafford, T., M. T. Page, H. L. Perotto-Baldivieso. 2020. Deep convolutional neural networks, land cover classification for wildlife habitat in South Texas. Subtropical Agricultural and Environments Annual Conference, Weslaco, TX. & February 2020. Undergraduate student poster.
50. Trafford, T., M. T. Page, H. L. Perotto-Baldivieso. 2020. Deep convolutional neural networks, land cover classification for wildlife habitat in South Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Undergraduate student poster.
51. Stewart, K. G., F. Hernández, E. D. Grahmann, L. A. Brennan, H. L. Perotto-Baldivieso, and R. Perez. 2020. Comparative habitat use of Montezuma quail in Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
52. Vasquez, J. P., M. T. Page, D. M. Crowley, W. P. Kuvlesky, J. A. Ortega S., L. A. Brennan, and H. L. Perotto-Baldivieso. 2020. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Undergraduate student poster.
53. Veals, A. M., A. Blackburn, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, C. J. Anderson, R. W. DeYoung, T. Campbell, and J. H. Young Jr. 2020. Functional responses in resource selection by ocelots in South Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
54. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, and N. Wilkins. 2020. Implementing and evaluating a sustainable bobwhite harvest prescription. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.

55. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, and N. Wilkins. 2020. Implementing and evaluating a sustainable bobwhite harvest prescription. The Wildlife Society. Reno, NV. 9 September – 3 October 2020. Graduate student oral presentation.
56. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, and N. Wilkins. 2020. Spatial analysis of bobwhite hunting dynamics. The Wildlife Society. Reno, NV. 9 September – 3 October 2020. Graduate student poster.

2019

57. Anderson, C. J., S. Carter, A. Blackburn, M. Tewes, A. Veals, H. L. Perotto-Baldivieso, V. Cavazos, J. Young. 2019. American Fisheries Society and The Wildlife Society Joint Annual Conference. Reno, Nevada. 29 September – 3 October 2019. Post-doctoral Research oral presentation.
58. Blackburn, A. M. Veals, C. J. Anderson, M. E. Tewes, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young. 2019. Landscape characteristics surrounding ocelot-vehicle collision sites. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
59. Blackburn, A. M. Veals, C. J. Anderson, M. E. Tewes, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young. 2019. Landscape characteristics surrounding ocelot-vehicle collision sites. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
60. Blackburn, A. M. Veals, C. J. Anderson, M. E. Tewes, R. W. DeYoung, J. H. Young, and H. L. Perotto-Baldivieso. 2019. Patterns in landscape characteristics surrounding ocelot-vehicle collision sites. American Fisheries Society and The Wildlife Society Joint Annual Conference. Reno, Nevada. 29 September – 3 October 2019. Graduate student oral presentation.
61. Carter, S. B., M. E. Tewes, H. L. Perotto-Baldivieso, C. J. Anderson, J. V. Lombardi, A. M. Veals, and T. A. Campbell. 2019. Coexistence among felids, cattle, and game species. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
62. Carter, S. B., M. E. Tewes, H. L. Perotto-Baldivieso, C. J. Anderson, J. V. Lombardi, A. M. Veals, and T. A. Campbell. 2019. Coexistence among felids, cattle, and game species. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
63. Crowley, D. M., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-S, L. A. Brennan, and B. S. Mitchell. 2019. Evaluation of loafing site characteristics for Rio Grande wild turkeys in the coastal sand plains of Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
64. Crowley, D. M., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-S, L. A. Brennan, and B. S. Mitchell. 2019. Evaluation of loafing site characteristics for Rio Grande wild turkeys in the

coastal sand plains of Texas. US-International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student oral presentation.

65. Crowley, D. M., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-Santos, L. A. Brennan, M. T. Page, N. R. Kolbe. 2019. Developing habitat suitability models for wintering Rio Grande wild turkeys in North Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student Cottam oral presentation.
66. Diehl, S. N., J. P. Wied, T. E. Fulbright, R. W. DeYoung, W. C. Conway, H. L. Perotto-Baldivieso. 2019. Changes in Agricultural land cover in the Texas Panhandle: 2004–2019. Texas Section Society for Range Management. Kerrville, Texas. 9 – 11 October 2019. Undergraduate student poster.
67. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, S. Rideout-Hanzak, D. B. Wester, and B. Hedquist. 2019. Aboveground biomass estimation from unmanned aerial vehicles in rangelands. Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019. Graduate student poster.
68. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, S. Rideout-Hanzak, D. B. Wester, and B. Hedquist. 2019. Aboveground biomass estimation from unmanned aerial vehicles in rangelands. Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019. Graduate student oral presentation.
69. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, S. Rideout-Hanzak, D. B. Wester, and B. Hedquist. 2019. Aboveground biomass estimation from unmanned aerial vehicles in rangelands. US-International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student poster.
70. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, S. Rideout-Hanzak, D. B. Wester, and B. Hedquist. 2019. Aboveground biomass estimation from unmanned aerial vehicles in rangelands. Texas Section Society for Range Management. Kerrville, Texas. 9 – 11 October 2019. Graduate student oral presentation.
71. Eli L. S., M. Green, H. L. Perotto-Baldivieso, and A. A. Conkey. 2019. Exploring trophic levels and landscape ecology with beebot technology. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
72. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegman, and H. L. Perotto-Baldivieso. 2019. Modeling foraging habitat for shorebirds in the Laguna Madre. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
73. Huerta, J. O., S. E. Henke, D. B. Wester, H. L. Perotto-Baldivieso. 2019. Detection of herpetofauna models using unmanned aerial vehicles. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.

74. Huerta, J. O., G. G. Gowdy, E. L. Vreugdenhil, B. J. Palmer, S. E. Henke, F. Hernández, E. D. Grahmann, T. E. Fulbright, M. W. Hehman, R. L. Powell, H. L. Perotto-Baldivieso, and V. M. Cavazos. 2019. Effects of habitat restoration on Texas horned lizards and their prey. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
75. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2019. Multi-season occupancy dynamics of ocelots in Tamaulipan thornscrub of South Texas. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
76. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, D. G. Scognamillo, and T. A. Campbell. 2019. Comparison of telemetry and occurrence data to inform ocelot habitat suitability in South Texas. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student poster.
77. Lombardi, J. V., M. E. Tewes, and H. L. Perotto-Baldivieso. 2019. Change of woody cover affects ocelot recovery in South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
78. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, D. G. Scognamillo, and T. A. Campbell. 2019. Comparison of telemetry and occurrence data to inform ocelot habitat suitability in South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
79. Lombardi, J. V., M. E. Tewes, and H. L. Perotto-Baldivieso. 2019. Land cover trends in South Texas (1987-2050): Potential implications for ocelot recovery and wild felid populations. American Fisheries Society and The Wildlife Society Joint Annual Conference. Reno, Nevada. 29 September – 3 October 2019. Graduate student oral presentation.
80. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2019. Multi-season occupancy dynamics of ocelots in Tamaulipan thornscrub of South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
81. Lombardi J. V., D. MacKenzie, M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2019. Ocelot, bobcat, and coyote interactions in South Texas: a novel approach to multi-species occupancy models. American Fisheries Society and The Wildlife Society Joint Annual Conference. Reno, Nevada. 29 September – 3 October 2019. Graduate student oral presentation.
82. Menefee, A. R., H. L. Perotto-Baldivieso, W. P. Kuvlesky, D. G. Hewitt, A. Ortega-S., L. A. Brennan, D. G. Hewitt, M. T. Page, J. K. Burchsted, and P. K. Koch. 2019. Old tricks-new opportunities: Using telemetry to assess landscape structure for Rio Grande wild turkey breeding and wintering habitat in South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.

83. Menefee, A. R., H. L. Perotto-Baldivieso, W. P. Kuvlesky, D. G. Hewitt, A. Ortega-S., L. A. Brennan, D. G. Hewitt, M. T. Page, J. K. Burchsted, and P. K. Koch. 2019. Old tricks-new opportunities: Using telemetry to assess landscape structure for Rio Grande wild turkey breeding and wintering habitat in South Texas. Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019. Graduate student poster.
84. Menefee, A. R., H. L. Perotto-Baldivieso, W. P. Kuvlesky, D. G. Hewitt, A. Ortega-S., L. A. Brennan, M. T. Page, J. K. Burchsted, and P. K. Koch. 2019. Old tricks-new opportunities: Using telemetry to assess landscape structure for Rio Grande wild turkey breeding and wintering habitat in South Texas. US-International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student oral presentation.
85. Menefee, A. R., H. L. Perotto-Baldivieso, W. P. Kuvlesky, A. Ortega-S., L. A. Brennan, J. P. Vasquez. 2019. Use of constructed roosts by Rio Grande wild turkeys in South Texas. Texas Section Society for Range Management. Kerrville, Texas. 9 – 11 October 2019. Graduate student poster.
86. Mizer, G. L., W. C. Conway, A. P. Opatz, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, and S. S. Gray. 2019. Influence of agriculture on pronghorn movement, survival, and diet composition in the Texas Panhandle. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
87. Opatz A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2019. Pronghorn in the Texas Panhandle: the habitat-cropland paradox. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
88. Opatz A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2019. Land cover and resource selection of pronghorn in the Texas Panhandle. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
89. Opatz A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2019. Agricultural influences on resource selection function by pronghorn in Texas. American Fisheries Society and The Wildlife Society Joint Annual Conference. Reno, Nevada. 29 September – 3 October 2019. Graduate student oral presentation.
90. Page M. T., H. L. Perotto-Baldivieso, D. B. Wester, and A. DiMaggio. 2019. Modeling woody vegetation density with very high-resolution remote sensing imagery and unmanned aerial systems. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Undergraduate student poster.
91. Page M. T., H. L. Perotto-Baldivieso, D. B. Wester, and A. DiMaggio. 2019. Modeling woody vegetation density with very high-resolution remote sensing imagery and unmanned aerial systems. US-International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Undergraduate student poster.

92. Page, M. T., V. Cavazos, H. Carroll, K. Baca, D. Daniels, H. L. Perotto-Baldivieso. 2019. Evaluating mesquite distribution using UAVs and other Geospatial Methodologies. Texas Section Society for Range Management. Kerrville, Texas. 9 – 11 October 2019. Graduate student oral presentation.
93. Palmer B. J., T. E. Fulbright, E. D. Grahmann, F. Hernández, H. L. Perotto-Baldivieso, M. W. Hehman, J. Jung, and A. Chang. 2019. Quantifying the spatial and temporal distribution of thermal refugia for northern bobwhites using an unmanned aerial vehicle. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
94. Palmer B. J., T. E. Fulbright, E. D. Grahmann, F. Hernández, H. L. Perotto-Baldivieso, M. W. Hehman, J. Jung, and A. Chang. 2019. Quantifying the spatial and temporal distribution of thermal refugia for northern bobwhites using an unmanned aerial vehicle. US-International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student poster.
95. Sliwa K. M., A. M. Foley, R. W. DeYoung, J. A. Baumgardt, J. A. Ortega-S., D. G. Hewitt, H. L. Perotto-Baldivieso, J. A. Goolsby, A. Perez de Leon, and T. A. Campbell. 2019. Evaluation of cover type use by nilgai antelope in rangelands to assess cattle fever tick dispersal. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
96. Stewart K. G., F. Hernández, E. D. Grahmann, L. A. Brennan, and H. L. Perotto-Baldivieso. 2019. Influence of ashe juniper on Montezuma quail in the Edwards Plateau of Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
97. Veals A. M., A. Blackburn, C. J. Anderson, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young, Jr. 2019. Ocelot resource selection in a highly fragmented landscape. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
98. Veals A. M., A. Blackburn, C. J. Anderson, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young, Jr. 2019. Ocelot resource selection in a highly fragmented landscape. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
99. Veals A. M., A. Blackburn, C. J. Anderson, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young, Jr. 2019. Ocelot resource selection in a highly fragmented landscape. American Fisheries Society and The Wildlife Society Joint Annual Conference. Reno, Nevada. 29 September – 3 October 2019. Graduate student oral presentation.
100. Weeda, C. E., R. Machen, C. Mathis, B. Turner, D. L. Drawe, B. Huegele, H. L. Perotto-Baldivieso. 2019. Using geospatial technologies to optimize brush management on South Texas rangelands. Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019. Graduate student oral presentation.

101. Wied J. P., H. L. Perotto-Baldivieso, A. A. Torres-Conkey, and L. A. Brennan. 2019. Comparing the detection of old world bluestem distributions in South Texas using different remote sensing platforms. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student poster.
102. Wied J. P., H. L. Perotto-Baldivieso, A. A. Torres-Conkey, and L. A. Brennan. 2019. Comparing the detection of old world bluestem distributions in South Texas using different remote sensing platforms. US-International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student oral presentation.
103. Wied J. P., H. L. Perotto-Baldivieso, A. A. Torres-Conkey, and L. A. Brennan. 2019. Comparing the detection of old world bluestem distributions in South Texas using different remote sensing platforms. Texas Section Society for Range Management. Kerrville, Texas. 9 – 11 October 2019. Graduate student poster.
104. Wood, K., M. T. Page, T. Summy, H. L. Perotto-Baldivieso, A. A. Torres-Conkey. 2019. Road density, corridors, and wildlife-vehicle collisions in South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Undergraduate student poster.

2018

105. Blackburn, A., A. M. Veals, M. E. Tewes, J. H. Young Jr., H. L. Perotto-Baldivieso, R. W. DeYoung. 2018. Survival analysis of ocelots (*Leopardus pardalis*) in relation to roads in South Texas. The Wildlife Society. Cleveland, Ohio. 7 – 11 October 2018. Graduate student poster.
106. Burchsted, J. K., D. G. Hewitt, T. L. Boutton, N. P. Snow, H. N. Sanders, and H. L. Perotto-Baldivieso. 2018. Pig diets, pig tails tell the tale. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Undergraduate student poster.
107. Campbell, D. M., M. T. Page, H. L. Perotto-Baldivieso, J. Robles, J. Mata, and X. B. Wu. 2018. Multiple scale analysis of Rio Grande wild turkey habitat in the Edwards Plateau of Texas. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Undergraduate student poster.
108. Crowley, D. M., W. P. Kuvlesky, H. L. Perotto-Baldivieso, Alfonso Ortega-Santos, and L. A. Brennan. 2018. Developing Wild Turkey Survey Methodology on Fort Wolters and Camp Maxie Training Centers. Society for Range Management. Sparks, Nevada. 28 January – 2 February 2018. Graduate student poster.
109. Crowley, D. M., H. L. Perotto-Baldivieso, W. P. Kuvlesky, Alfonso Ortega-Santos, and L. A. Brennan. 2018. Developing eastern and Rio Grande wild turkey wintering habitat suitability models in Northeast Texas. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
110. Crowley, D. M., W. P. Kuvlesky, H. L. Perotto-Baldivieso, Alfonso Ortega-Santos, and L. A. Brennan. 2018. Developing habitat suitability models for Eastern and Rio Grande wild turkeys in Northeast Texas. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student presentation.

111. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, S. Rideout-Hanzak, D. B. Wester, and B. Hedquist. Aboveground biomass estimation from unmanned aerial vehicles in rangelands. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student poster.
112. Hansen, N. A., K. M. Redmond, E. D. Grahmann, W. L. Lutz, T. R. Shirley, A. P. Nicolson, B. J. Palmer, F. Hernández, H. L. Perotto-Baldivieso, T. Anderson, M. E. Morrow, K. Feuerbacher, J. Kelso, and L. A. Brennan. 2018. Effects of direct impact from hurricane Harvey on gamebirds in the coastal prairie of Texas. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
113. Hernández, F., C. Ríos, and H. L. Perotto-Baldivieso. 2018. Evolutionary History of Herbivory in Patagonian Steppe: Aligning Present Grazing With Paleoherbivory. Society for Range Management. Sparks, Nevada. 28 January – 2 February 2018. Faculty presentation.
114. House, M. M., B. M. Ballard, S. N. Glasscock, H. L. Perotto-Baldivieso. 2018. Modeling foraging habitat for shorebirds in the Laguna Madre. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
115. Huerta J., T. Weisheit-Pope, A. Killam, S. E. Henke, C. D. Hilton, and H. L. Perotto-Baldivieso. 2018. Raccoon roundworm: an occupational hazard to captive wildlife caregivers. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
116. Johnson, S. C. M., M. J. Whelan, H. Balzter, L. Lush, A. J. King, H. L. Perotto-Baldivieso, L. Cardenas, A. Charteris, K. A. Marsden, I. Harris, J. Holmberg, and D. Chadwick. 2018. Agent based modelling of sheep movement and urine deposition to support N₂O emission estimates in upland pastures. 20th Nitrogen Workshop. Rennes, France. 25 – 27 June 2018. Non-TAMUK employee.
117. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, S. Carter, D. Kunz, and T. A. Campbell. 2018. Macro- and micro-habitat effects on ocelot occupancy. 2018. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
118. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso. 2018. Change and fragmentation of woody cover affects ocelot recovery in Texas. American Society of Mammologists. Manhattan, Kansas, 25 – 29 June 2018. Graduate student presentation.
119. Mizer G. L., W. C. Conway, A. P. Opatz, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, and S. Gray. 2018. Pronghorn diet composition using metabarcoding analysis. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
120. Opatz, A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2018. Evaluation of home-range estimators for the analysis of resource selection by pronghorns in the Texas panhandle. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.

121. Opatz, A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2018. Land cover preference versus availability of pronghorn in the Texas Panhandle. Western Association of Fish and Wildlife Agencies. 28th Pronghorn workshop. Reno, Nevada. 13 – 15 August 2018. Graduate student presentation.
122. Ortiz, J. L., A. A. T. Conkey, L. A. Brennan, H. L. Perotto-Baldivieso, D. B. Wester, J. V. Lombardi, and T. Campbell. 2018. Using the gradient concept to visualize breeding bird richness and woody structure relationships on South Texas rangelands. American Ornithological Society. Tucson, Arizona, 9 – 14 April 2018. Graduate student presentation.
123. Page, M. T., A. R. Menefee, H. L. Perotto-Baldivieso, W. P. Kuvlesky Jr., L. A. Brennan, A. Ortega-S, and J. Robles. 2018. Spatial ecology of wild turkey habitat on Encino and Norias Division of the King Ranch. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Undergraduate student poster.
124. Perotto-Baldivieso, H. L., J. M. Mata, J. L. Ortiz, J. T. Edwards, A. A. T. Conkey, F. Hernández, L. A. Brennan, E. D. Grahmann, S. Rideout-Hanzak, and D. B. Wester. 2018. The gradient concept of landscape structure for wildlife habitat in rangelands. Society for Range Management. Sparks, Nevada. 28 January – 2 February 2018. Faculty presentation.
125. Perotto-Baldivieso, H. L., J. M. Mata, J. L. Ortiz, J. T. Edwards, A. A. T. Conkey, F. Hernández, L. A. Brennan, E. D. Grahmann, S. Rideout-Hanzak, and D. B. Wester. 2018. The gradient concept of landscape structure for wildlife habitat in rangelands. US Chapter – International Association for Landscape Ecology. Chicago, Illinois. 8 – 12 April 2018. Faculty presentation.
126. Sanchez G. A., R. W. DeYoung, D. L. Williford, D. G. Hewitt, T. E. Fulbright, H. L. Perotto-Baldivieso, L. A. Harveson, and S. Gray. 2018. Analysis of allelic variation in prion protein gene of Texas mule Deer. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student presentation, Cottam Competition.
127. Sanchez G. A., R. W. DeYoung, D. L. Williford, D. G. Hewitt, T. E. Fulbright, H. L. Perotto-Baldivieso, L. A. Harveson, and S. Gray. 2018. Landscape genetic analysis of mule deer to guide management for chronic wasting disease. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student poster.
128. Santos, S. A., D. M. Young., and H. L. Perotto-Baldivieso. 2018. State-and-transition models: a tool for brush encroachment management on tropical rangelands. Society for Range Management. Sparks, Nevada. 28 January – 2 February 2018. Non-TAMUK employee poster.
129. Veals, A. M., A. Blackburn, M. E. Tewes, J. H. Young Jr., H. L. Perotto-Baldivieso, and R. W. DeYoung. 2018. Landscape ecology of ocelot (*Leopardus pardalis*) in South Texas. 2018. The Wildlife Society. Cleveland, Ohio. 7 – 11 October 2018. Graduate student poster.

130. VonBank J. A., B. M. Ballard, K. J. Kraai, M. D. Weegman, D. P. Collins, and H. L. Perotto-Baldivieso. 2018. Winter movements and habitat use by greater white-fronted geese. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student presentation.
131. Walther, C. H., J. A. Ortega-Santos, H. L. Perotto-Baldivieso, S. Rideout-Hanzak, D. B. Wester. 2018. Long-term responses of tanglehead to prescribed burning and cattle grazing. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student poster.
132. Walther, C. H., J. A. Ortega-Santos, H. L. Perotto-Baldivieso, S. Rideout-Hanzak, D. B. Wester. 2018. Long-term responses of tanglehead to prescribed burning and cattle grazing. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student presentation.
133. Weeda, C. E., R. Machen, C. Mathis, B. Turner, D. L. Drawe, B. Huegele, H. L. Perotto-Baldivieso. 2018. Using geospatial technologies to optimize brush management on a South Texas rangeland. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student presentation.
134. Wells E. D., B. M. Ballard, S. L. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, H. L. Perotto-Baldivieso, and D. Wolfson. 2018 Autumn and wintering movement ecology of gulf coast subpopulation sandhill cranes. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student presentation.

2017

135. Burchsted, J. K., C. D. Hilton, B. S. Mitchell, W. P. Kuvlesky, Jr., A. Ortega-S., L. A. Brennan, and H. L. Perotto-Baldivieso. 2017. Prevalence of infectious and noninfectious diseases in Rio Grande wild turkeys located in southern Texas. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Undergraduate student poster.
136. Crowley, D. M., W. P. Kuvlesky, H. L. Perotto-Baldivieso, Alfonso Ortega-Santos, and L. A. Brennan. 2017. Developing Wild Turkey Survey Methodology on Fort Wolters and Camp Maxie Training Centers. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Graduate student poster.
137. Edwards, J. T., F. Hernández, J. M. Mata, H. L. Perotto-Baldivieso, D. B. Wester, L. A. Brennan, F. C. Bryant, and C. J. Parent. 2017. Influence of tanglehead on spatial distribution of northern bobwhite. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
138. Hannusch, H. J., H. L. Perotto-Baldivieso, K. Miller, and L. A. Brennan. 2017. Quantifying future urban development and habitat loss for northern bobwhite in Texas. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Undergraduate student poster.
139. Haynes, V. L., S. Rideout-Hanzak, J. Alfonso Ortega-S., David B. Wester, T. E. Fulbright, and H. L. Perotto-Baldivieso. T. A. Campbell, A. Ortega-S. Jr. 2017. Effects of summer and winter patch

burning in coastal cordgrass communities on ungulate distribution. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student poster.

140. Haynes, V. L., J. S. Avila Sanchez, S. Rideout-Hanzak, J. Alfonso Ortega-S., David B. Wester, T. E. Fulbright, H. L. Perotto-Baldivieso, T. A. Campbell, and A. Ortega-S. Jr. 2017. Prescribed patch burning in gulf cordgrass rangelands un ungulate distribution. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Graduate student presentation.
141. Kubečka B. W., D. Rollins, F. Hernández, H. L. Perotto-Baldivieso, D. B. Wester. And L. M. Lacoste. Woody cover metrics associated with northern bobwhite abundance and productivity in the Rolling Plains. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
142. Labrador-Rodriguez, K. N., H. L. Perotto-Baldivieso, A. Ortega-S., C. Walther, S. D. Nelson, J. Jung, J. Yeom, and A. Chang. Biomass estimation before and after prescribed fires using UAS (Unmanned aerial systems) technology. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student poster.
143. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, and T. A. Campbell. 2017. Change and fragmentation of Woody cover in the Lower Rio Grande Valley 1984-2016. Texas Society of Mammologists, 35th Annual Meeting. Junction, Texas. 10 – 12 February 2017. Graduate student poster.
144. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, and T. A. Campbell. 2017. Change and fragmentation of Woody cover in the Lower Rio Grande Valley 1984-2016. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student poster.
145. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. P. Wied, J. P. Leonard, D. Kunz, J. M. Mata, and T. A. Campbell. 2017. Macro- and micro-habitat factors of ocelot occupancy. The Wildlife Society. Albuquerque, New Mexico. 23 – 27 September 2017. Graduate student poster.
146. Lombardi J. V., Michael E. Tewes, H. L. Perotto-Baldivieso, J. P. Wied, J. P. Leonard, D. Kunz, J. M. Mata, and T. A. Campbell. 2017. Macro- and micro-habitat factors of ocelot occupancy. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
147. Mata, J. M., H. L. Perotto-Baldivieso, F. Hernández, E D. Grahmann, and S. Rideout-Hanzak. 2017. Mapping the spatial distribution of tanglehead (*Heteropogon contortus*) on South Texas rangelands. Society for Range Management. 29 January – 2 February 2017. St. George, Utah. Graduate student presentation.
148. Mata, J. M., H. L. Perotto-Baldivieso, F. Hernández, E D. Grahmann, S. Rideout-Hanzak. J. Robles, M. T. Page, and T. M. Shedd. 2017. Factors influencing the spatial and temporal distribution of tanglehead on South Texas rangelands. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.

149. Mata, J. M., H. L. Perotto-Baldivieso, F. Hernández, E D. Grahmann, S. Rideout-Hanzak. J. Robles, M. T. Page, and T. M. Shedd. 2017. Factors influencing the spatial and temporal distribution of tanglehead on South Texas rangelands. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Graduate student presentation.
150. Ortiz, J., A. A. T. Conkey, L. A. Brennan, H. L. Perotto-Baldivieso. D. B. Wester, and T. Campbell. 2017. Breeding bird abundance and landscape productivity on South Texas rangelands. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
151. Ortiz, J., A. A. T. Conkey, L. A. Brennan, H. L. Perotto-Baldivieso. D. B. Wester, and T. Campbell. 2017. Breeding bird richness and landscape structure relationships on South Texas rangelands. The Wildlife Society. Albuquerque, New Mexico. 23 – 27 September 2017. Graduate student poster.
152. Pearson, Z. J., E. D. Grahmann, F. Hernández, R. Perez, H. L. Perotto-Baldivieso, and L. A. Brennan. 2017. Development of a hábitat suitability model for Montezuma Quail in the Edwards Plateau. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student poster.
153. Perotto-Baldivieso H. L., C. Walther, K. Labrador, J. M. Mata, A. Ortega-S, S. Rideout-Hanzak, David B. Wester, J. Jung, J. Jeom, and A. Chang. 2017. Integrating geospatial technologies to monitor and manage invader species in rangelands. Society for Range Management. 29 January – 2 February 2017. St. George, Utah. Faculty.
154. Perotto-Baldivieso H. L., C. Walther, K. Labrador, J. M. Mata, A. Ortega-S, S. Rideout-Hanzak, David B. Wester, F. Hernández, E. D. Grahmann, J. T. Edwards, J. Jung, J. Jeom, and A. Chang. 2017. Integrating geospatial technologies for range management. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Faculty. Guest speaker, Plenary session.
155. Sanchez, G. A., R. W. DeYoung, D. L. Williford, D. G. Hewitt, T. E. Fulbright, H. L. Perotto-Baldivieso, L. A Harveson, and S. A. Gray. 2017. Analysis of allelic variation in prion protein gene of Texas mule Deer. Western Association of Fish and Wildlife Agencies. Idaho. 1 – 4 May 2017. Graduate student presentation.
156. Sanders, H. N., N. P. Snow, D. G. Hewitt, K. C. VerCauteren, and H. L. Perotto-Baldivieso. 2017. Depredation of simulated wild turkey nests by feral swine. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
157. Sanchez, G. A., R. W. DeYoung, D. L. Williford, D. G. Hewitt, T. E. Fulbright, H. L. Perotto-Baldivieso, L. A Harveson, and S. A. Gray. 2017. Analysis of allelic variation in prion protein gene of Texas mule Deer. The Wildlife Society. Albuquerque, New Mexico. 23 – 27 September 2017. Graduate student poster.

158. Shedd, T. M., S. E. Henke, and H. L. Perotto-Baldivieso. 2017. Status of horned lizards in the United States. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Undergraduate student poster.
159. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Distance sampling to assess post-grazing northern bobwhite recovery in South Texas. 8th National Quail Symposium. Knoxville, Tennessee. 26 – 28 July 2017. Graduate student poster.
160. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Does time change everything? Northern bobwhite response to post-grazing vegetation recovery in South Texas. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
161. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Factors influencing northern bobwhite density, nest sites, and nest survival on post-grazing landscape in South Texas. American Ornithological Society. East Lansing, Michigan. 31 July – 5 August 2017. Graduate student presentation.
162. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Does Management Work? Measuring Northern Bobwhite Response to Post-Grazing Vegetation Recovery and Management in South Texas. Texas Section Society for Range Management. San Angelo, Texas 11 – 13. October 2017. Graduate student presentation.
163. Walther, C. H., J. A. Ortega-S., H. L. Perotto-Baldivieso, S. Rideout-Hanzak, and D. B. Wester. 2017. Long-term responses of tanglehead to prescribed burning and cattle grazing. Texas Section Society for Range Management. San Angelo, Texas 11 – 13. October 2017. Graduate student presentation.
164. Wells, E. D., B. M. Ballard, S. L. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, and H. L. Perotto-Baldivieso. 2017. Selection of roosting habitat by wintering Sandhill Cranes along the Texas Gulf Coast. American Ornithological Society. East Lansing, Michigan. 31 July – 5 August 2017. Graduate student presentation.
165. Wells, E. D., Bart M. Ballard, Shawn L. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, and H. L. Perotto-Baldivieso. 2017. Sandhill crane winter habitat selection along the Texas Gulf Coast. 14th North American Crane Workshop. Chattanooga, Tennessee. 12 – 13 January 2017. Graduate student poster.
166. Wells, E. D., Bart M. Ballard, Shawn L. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, and H. L. Perotto-Baldivieso. 2017. Sandhill crane winter habitat selection along the Texas Gulf Coast. The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student poster.

2016

167. Cardenas, L. M., H. L. Perotto-Baldivieso, M. Whelan, R. Wilson, and D. R. Chadwick. 2016. Grazing behaviour, urine composition and soil properties are key drivers of nitrous oxide

emissions from livestock urine in the uplands. Steps to sustainable livestock Conference. Bristol, U. K. 12 – 15 January 2016. Non-TAMUK employee poster.

168. Hannusch, H. J., H. L. Perotto-Baldivieso, K. S. Miller, and L. A. Brennan. 2016. Trends in urban sprawl and habitat loss for wildlife in Texas. Texas Section Society for Range Management. Uvalde, TX. 11 – 13 October 2016. Undergraduate Student poster.
169. Haynes, V., A. Toomey, S. Rideout-Hanzak, J. A. Ortega, D.B. Wester, T.A. Campbell, T. E. Fulbright, H. L. Perotto-Baldivieso, and A. Ortega Jr. 2016. Grazing Behavior of Cattle and Nilgai Antelope in Burned Coastal Cordgrass in Texas, USA. 69th Society for Range Management Annual Meeting. Corpus Christi, Texas. 31 January – 4 February 2016. Graduate Student poster.
170. Mata, J., H. L. Perotto-Baldivieso, F. Hernández, E. Grahmann, and S. Rideout-Hanzak. 2016. Mapping Spatial Distribution of Tanglehead (*Heteropogon contortus*) in southern Texas, USA. 69th Society for Range Management Annual Meeting. Corpus Christi, Texas. 31 January – 4 February 2016. Graduate Student poster.
171. Mata, J., H. L. Perotto-Baldivieso, F. Hernández, E. Grahmann, S. Rideout-Hanzak, and J. T. Edwards. 2016. Mapping Spatial Distribution of Tanglehead (*Heteropogon contortus*) in southern Texas rangelands. 70th Subtropical Agriculture and Environments Society Meeting. Weslaco, Texas. 5 February 2016. Graduate Student poster.
172. Mata, J., H. L. Perotto-Baldivieso, F. Hernández, E. Grahmann, S. Rideout-Hanzak, J. Robles and J. T. Edwards. 2016. Mapping Spatial Distribution of Tanglehead (*Heteropogon contortus*) in southern Texas rangelands. Texas Section Society for Range Management. Uvalde, Texas. 11 – 13 October 2016. Graduate Student poster.
173. Miller, K. S., L. A. Brennan, F. Hernández, E. D. Grahmann, and H. L. Perotto-Baldivieso. 2016. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Conservation Cooperative. Texas Chapter of The Wildlife Society. San Antonio, Texas. 18 – 20 February 2016. Research Associate.
174. Page, M. T., and H. L. Perotto-Baldivieso. 2016. Spatial and temporal analysis of Rio Grande Wild Turkey habitat in The Edwards Plateau of Texas. 7th Annual Javelina Research Symposium. Kingsville, TX. 19 April 2016. Undergraduate Student poster.
175. Page, M. T., H. L. Perotto-Baldivieso, J. Robles, J. Mata, and X. B. Wu. 2016. Multiple scale analysis of Rio Grande Wild Turkey habitat in The Edwards Plateau of Texas. Javelina Research Symposium. Kingsville, TX. 26 October 2016. Undergraduate Student poster.
176. Page, M. T., H. L. Perotto-Baldivieso, J. Robles, J. Mata, and X. B. Wu. 2016. Multiple scale spatial analysis of Rio Grande Wild Turkey habitat in The Edwards Plateau of Texas. Texas Section Society for Range Management. Uvalde, Texas. 11– 13 October. Undergraduate Student poster.

177. Page, M. T., H. L. Perotto-Baldivieso, J. Robles, J. Mata, and X. B. Wu. 2016. Multiple scale spatial analysis of Rio Grande Wild Turkey habitat in The Edwards Plateau of Texas. GIS Day. Corpus Christi, Texas. 16 November 2016. Undergraduate student poster.
178. Pearson Z., E. D. Grahmann, F. Hernández, R. Perez, H. L. Perotto-Baldivieso, and L. A. Brennan. 2016. Effectiveness of Ash Juniper Clearing for Montezuma Quail Habitat in the Edwards Plateau. 69th Society for Range Management Annual Meeting. Corpus Christi, Texas. 31 January – 4 February 2016. Graduate Student poster.
179. Pearson Z., E. D. Grahmann, F. Hernández, R. Perez, H. L. Perotto-Baldivieso, and L. A. Brennan. 2016. Habitat suitability bounds of Montezuma quail in the Edwards Plateau. Texas Chapter of The Wildlife Society. San Antonio, Texas. 18 – 20 February 2016. Graduate Student poster.
180. Pearson Z., E. D. Grahmann, F. Hernández, R. Perez, H. L. Perotto-Baldivieso, and L. A. Brennan. 2016. Response of Vegetation to the Clearing of Ashe Juniper for Montezuma Quail in the Edwards Plateau. Texas Section Society for Range Management. Uvalde, TX. 11 – 13 October 2016. Graduate Student poster.
181. Plata, J. E., T. P. Hansler, S. E. Henke, H. L. Perotto-Baldivieso, C. Hilton, and J. A. Baskin. 2016. Is short-distance translocation a viable management option for Maritime pocket gophers? 52nd Annual Meeting of the Texas Chapter of The Wildlife Society, San Antonio, Texas, 18 – 21 February 2016. 2nd Place Undergraduate Poster Competition.
182. Robles, J. and H.L. Perotto-Baldivieso. 2016. Domains of scale: the scale continuum for Rio Grande Wild Turkey habitat in the Edwards Plateau. Javelina Research Symposium. Kingsville, TX. 26 October 2016. Undergraduate Student poster.
183. Sanders, H. N., N. P. Snow, D. G. Hewitt, K. C. VerCauteren, and H. L. Perotto-Baldivieso. 2016. Response of feral swine to the seasonal availability of wild turkey nests. The Wildlife Society. Raleigh North Carolina. 15 – 19 October 2016. Graduate Student.
184. Smith R., L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, R. O. Couvillon, A. Bruno, and F. C. Bryant. 2016. Measuring Northern Bobwhite Response to Post-grazing Habitat Recovery. 69th Society for Range Management Annual Meeting. Corpus Christi, Texas. 31 January – 4 February 2016. Graduate Student poster.
185. Smith R., L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, R. O. Couvillon, A. Bruno, and F. C. Bryant. 2016. Modeling northern bobwhite nest success and breeding season survival on two categories of past-grazing habitats. Texas Chapter of The Wildlife Society. San Antonio, Texas. 18 – 20 February 2016. Graduate Student poster.
186. Smith R., L. A. Brennan, F. Hernández, and H. L. Perotto-Baldivieso. Use of distance sampling to monitor Northern bobwhite response to post-grazing vegetation changes in South Texas. Raleigh North Carolina. 15 – 19 October 2016. Graduate Student poster.

187. Ward C., R. DeYoung, D. G. Hewitt, T. E. Fulbright, S. S. Gray, and H. L. Perotto-Baldivieso. 2016. Movements and habitat use of pronghorn in the Panhandle and Trans-Pecos ecoregions of Texas. 69th Society for Range Management Annual Meeting. Corpus Christi, Texas. 31 January – 4 February 2016. Graduate Student poster.
188. Ward C., R. DeYoung, D. G. Hewitt, T. E. Fulbright, S. S. Gray, and H. L. Perotto-Baldivieso. 2016. Where the antelope play: fine scale analyses of habitat use and home range size of GPS-collared pronghorn in Texas. . Texas Chapter of The Wildlife Society. San Antonio, Texas. 18 – 20 February 2016. Graduate Student poster.
189. Ward C., R. DeYoung, T. E. Fulbright, D. G. Hewitt, S. S. Gray, and H. L. Perotto-Baldivieso. 2016. Where the antelope roam: analyses of home range size and habitat use of GPS-collared pronghorn in Texas. Biennial Pronghorn Meeting. Anaconda, Montana. 29 August – 1 September 2016. Graduate Student.

2015

190. Cochi-Machaca, N., B. Condori-Ali, H. L. Perotto-Baldivieso, G. Prieto-Cocare, A. Rojas-Pardo, O. Dangles, C. Ayala-Vargas, and J. L. Casazola-Lopez. 2015. Estimacion del potencial productivo y capacidad de carga animal en bofedales alto Andinos para efectos de pastoreo. III congreso Boliviano de Botánica. Sucre, Bolivia. 12 – 14 October 2015. Non-TAMUK employee.
191. Haynes, V., A. Toomey, S. Rideout-Hanzak, D. B., D.B. Wester, J. A. Ortega, T. E. Fulbright, H. L. Perotto-Baldivieso, T.A. Campbell, and A. Ortega Jr. 2015. Comparison of Seasonal Prescribed Burning on Coastal Cordgrass Vegetative Communities. Texas Society for Ecological restoration San Antonio, Texas. 13 – 15 November 2015. Graduate Student poster.
192. Perotto-Baldivieso H.L., B. Condori-Ali, N. Cochi-Machaca, and A. Rojas-Pardo. 2015. Estimacion de biomasa (DM) y productividad neta primaria (NPP) a nivel de paisaje en bofedales AltoAndinos. III congreso Boliviano de Botánica. Sucre, Bolivia. 12 – 14 October 2015. Non-TAMUK employee.
193. Schnupp M. J., C. J. Parent, D. B. Wester, H. L. Perotto-Baldivieso, L. A. Brennan, and D. G. Hewitt. 2015. Spatially explicit density data of northern bobwhites on King Ranch, Inc. Texas. 2015 Statewide quail Symposium, Abilene, Texas, 16 – 18 September 2015. Graduate Student.

2001-2014

194. Rivero, K., H. L. Perotto-Baldivieso, A. B. Gill, R. I. Meneses, L. Aguirre, S. Herzog, M. I. Galarza, and M. Velilla. 2014. Compartiendo datos de la Biodiversidad de Bolivia y Paraguay con el mundo: La red de centros geoespaciales para la biodiversidad. 4^{to} Congreso Boliviano de Ecología. Santa Cruz, Bolivia.
195. Rivero, K., J. Furlan, H. L. Perotto-Baldivieso, A. B. Gill., and J. Pinto-Ledezma. 2013. Geo-vertebrados, Un portal interactivo sobre la diversidad de fauna en Bolivia. 6^{to} Congreso de Mastozoología en Bolivia. Pando, Bolivia.

196. Rodrigues, E., H. L. Perotto-Baldivieso, W. Tomas, T. Mott, and C. Strüssmann. 2011. Migrações terrestres de anuros aquáticos no Pantanal da Nhecolândia, Brasil: Influência de fatores abióticos e considerações sobre conectividade entre habitats. 9^{no} Congresso Lationamericano de Herpetologia. Curitiba, Brasil.
197. Cooper, S. M., H. L. Perotto-Baldivieso, M. G. Meek, M. Figueroa-Pagán, and M. K. Owens. 2008. Spatial distribution and interaction of white-tailed deer and cattle on South Texas Rangeland. 43rd Annual Meeting Texas Chapter of the Wildlife Society. San Antonio, Texas.
198. Perotto-Baldivieso, H. L., S. M. Cooper, M. Figueroa-Pagán and J. Romo. 2008. Too much data? Optimizing GPS collar data collection schedules. 61st Annual Meeting Society for Range Management. Louisville, Kentucky.
199. Perotto-Baldivieso, H. L., J. Furlán, and M. G. Gutierrez. 2008. Human populations, landforms, and landslide hazard in Guatemala. 93rd Annual Meeting Ecological Society of America. Milwaukee, Wisconsin.
200. Drees, L. R., L. P. Wilding, P. R. Owens, X. B. Wu, H. L. Perotto-Baldivieso, and H. Sierra. 2001. Steepland resources: characteristics, stability and micromorphology. International Working Meeting on Soil Micropedology. Ghent, Belgium.

Refereed proceedings

1. Walther, C H., J. A. Ortega-S. H. L. Perotto-Baldivieso, S. Rideout-Hanzak, D. B. Wester. 2021. Prescribed fire and cattle grazing to manage invasive grasses for cattle and wildlife. XXIV International Grassland Congress / XI International Rangeland Congress: *In press*.
2. Santos, S. A., **H. L. Perotto-Baldivieso**, and D. Young. 2013. Resilience and degradation in a tropical wetland overgrazed by cattle. Proceedings of the International Grassland Congress 22: 881–882.
3. Santos, S. A., A. L. J. Desbiez, **H. L. Perotto-Baldivieso**, and J. M. Alvarez. 2013. Evaluating rangeland's grazing capacity for livestock and wild herbivores using the delta diet tool and GIS technology. Proceedings of the International Grassland Congress 22: 621–624.
4. ***Perotto-Baldivieso, H. L.**, K. Rivero, J. Pinto-Ledezma, A. B. Gill. 2012. Distributing biodiversity data through the web: The Geospatial Center for Biodiversity in Bolivia. Simposio de Geotecnologias no Pantanal 4: 1252–1258.
5. Santos, S. A , H. Pova de Lima, L. O. F. de Oliveira, W. M. Tomás, U. G. P. de Abreu, S. M. F. S. Massruhá, and **H. L. Perotto-Baldivieso**. 2012. Integrating remote sensing, geographic information systems and fuzzy logic: an index to evaluate the natural potential for livestock ranching in the Pantanal. Simposio de Geotecnologias no Pantanal 4: 202–209.

6. *García García, V., **H. L. Perotto-Baldivieso**, and S. Hallett. 2010. A prototype design for a web-GIS support system: The Bolivia Amazon case study. In Backhaus R, L. Czaran, N. Epler, M. Leitgab, D. Stevens, and J. Szarzynski (Eds.): *The 4C-Challenge: Communication - Coordination - Cooperation - Capacity Development*. Selected contributions to the Fourth United Nations International UN-SPIDER Bonn Workshop on Disaster Management and Space Technology.
7. Schaap, J. N., N. J. Silvy, M. J. Peterson, R. Aguirre, and **H. L. Perotto-Baldivieso**. 2005. Spatial distribution of female Rio Grande wild turkeys during the reproductive season. *Proceedings of the National Wild Turkey Symposium 9*: 308–312.

Published reports

- Miller, K. S., L. A. Brennan, **H. L. Perotto-Baldivieso**, F. Hernández, E. D. Grahmann, A. Z. Okay, X. B. Wu, M. J. Peterson, H. Hannusch, J. Mata, J. Robles. 2017. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative. Gulf Coast Prairie Landscape Conservation Cooperative.
- Santos S. A., A. L. J. Desbiez, **H. L. Perotto-Baldivieso**, and L. A. Pellegrin. 2013. *Uso de Tecnologia de Precisão na Estimativa da Capacidade de Suporte em Pastagens sob Uso Múltiplo no Pantanal*. Embrapa Pantanal CT 107.
- Naves J., V. Meyer, **H. L. Perotto-Baldivieso**, G. A. Fernandez, M. Quevedo, J. Seijas, and M. Delibes. 2010. Identificación de corredores de comunicación entre las poblaciones cantábricas de osos pardos: Propuestas para la gestión. Principado de Asturias, España.

Books

- Kuvlesky, W. P., L. A. Brennan, A. Ortega-Santos, D. L. Williford, J. B. Hardin, **H. L. Perotto-Baldivieso**, L. Fritz, C. D. Hilton, F. C. Bryant, S. Nelle, B. M. Mitchell, N. J. Silvy. 2020. *The wild turkey in Texas: Ecology and Management*. Texas A&M University Press, College Station, TX.

Book Chapters

- Perotto-Baldivieso, H. L.**, S. Tapaneeyakul, and Z. J. Pearson. 2020. Using Geospatial Technologies in Wildlife Studies. *In* N. J. Silvy editor. *Application of spatial technologies in wildlife research*. Wildlife Techniques Manual. Eight edition. Volume I: research. Johns Hopkins University Press, Baltimore, Maryland, USA p. 495-510.
- Perotto-Baldivieso H. L.** 2021. Essential Concepts in Landscape Ecology for Wildlife and Natural Resource Managers. *In*: Porter, W. F., C. J. Parent, R. A. Stewart, and D. M. Williams (editors). *Wildlife management and landscapes: principles and applications*. Johns Hopkins University Press in affiliation with The Wildlife Society, Baltimore, MD, USA. p. 53–67.

Perotto-Baldivieso, H. L., M. T. Page, A. M. DiMaggio, J. L. Martinez, A. and A. Ortega-S. 2021. Estimating forage mass from unmanned aircraft systems in rangelands. *In*: Frazier A. E. and K. K. Singh (editors) *Fundamentals of capturing and processing drone imagery and data*. Taylor and Francis, Boca Raton, FL, USA. p. 213 – 228.

LIST OF REFEREED PRESENTATIONS

International

1. Yamashita, T. J., H. L. Perotto-Baldivieso, M. E. Tewes, J. H. Young, J. V. Lombardi. 2021. Quantifying the vegetation structure around Wildlife crossing structures in Cameron County, Texas. International Conference on Ecology and Transportation. Virtual meeting. 22 – 29 September 2021. Graduate student presentation.
2. Johnson, S. C. M., M. J. Whelan, H. Balzter, L. Lush, A. J. King, H. L. Perotto-Baldivieso, L. Cardenas, A. Charteris, K. A. Marsden, I. Harris, J. Holmberg, and D. Chadwick. 2018. Agent based modelling of sheep movement and urine deposition to support N₂O emission estimates in upland pastures. 20th Nitrogen Workshop. Rennes, France. 25 – 27 June 2018. Non-TAMUK employee.
3. Perotto-Baldivieso H.L., B. Condori-Ali, N. Cochi-Machaca, and A. Rojas-Pardo. 2015. Estimacion de biomasa (DM) y productividad neta primaria (NPP) a nivel de paisaje en bofedales AltoAndinos. III congreso Boliviano de Botánica. Sucre, Bolivia. 12 – 14 October 2015. Non-TAMUK employee.
4. Cochi-Machaca, N., B. Condori-Ali, H. L. Perotto-Baldivieso, G. Prieto-Cocare, A. Rojas-Pardo, O. Dangles, C. Ayala-Vargas, and J. L. Casazola-Lopez. 2015. Estimacion del potencial productivo y capacidad de carga animal en bofedales alto Andinos para efectos de pastoreo. III congreso Boliviano de Botánica. Sucre, Bolivia. 12 – 14 October 2015. Non-TAMUK employee.
5. Perotto-Baldivieso, H. L., D. Rumiz, and M. Rosa. 2014. Evaluación espacial y temporal de corredores para la conservación de jaguares (*Panthera onca*) en el centro-este de Bolivia. 4^{to} Congreso Boliviano de Ecología. Santa Cruz, Bolivia.
6. Perotto-Baldivieso, H. L., K. Rivero, J. Pinto-Ledezma, and A. B. Gill. 2012. Distributing biodiversity data through the web: The Geospatial Center for Biodiversity in Bolivia. 4^{to} Simposio de Geotecnologías no Pantanal, Bonito, Brasil. (Keynote Speaker).
7. Perotto-Baldivieso, H. L. 2009. El Centro Digital de Recursos Naturales de Bolivia. 1st International Congress of Hydroclimatology. Cochabamba, Bolivia.

8. Perotto-Baldivieso, H. L., M. Joseph, M. Millar, and C. Restrepo. 2006. Landslides and the spatial structure of tropical mountainscapes. Annual Meeting of the Association for tropical Biology and Conservation, Kunming, China.
9. Perotto-Baldivieso, H. L., X. B. Wu, M. J. Peterson, N. J. Silvy, and F. E. Smeins. 2006. La utilización de atributos del paisaje para el desarrollo de modelos de hábitat para aves: el caso del pavo salvaje en Texas (U.S.A.). 1er Congreso Boliviano de Ecología, La Paz, Bolivia.
10. Perotto-Baldivieso, H. L., and M. Steverlynck. 2006. EL Centro Digital de Recursos Naturales de Bolivia. Un portal de información para el mundo. 1er Congreso Boliviano de Ecología, La Paz, Bolivia.

National

2021

11. Bates, C., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-S., L. A. Brennan, J. V. Lombardi., M. T. Page, and N. R. Kolbe. 2021. Analysis of survey methodologies and development of habitat suitability models for wintering Rio Grande wild turkeys. International Association for Landscape Ecology. Virtual meeting. 12 – 16 April 2021. Graduate Student presentation.
12. Branney A. B., T.J. Yamashita, J.V. Lombardi, J. M. Korn, H.L. Perotto-Baldivieso, M.J. Cherry, and M.E. Tewes. 2021. Bobcat home range analysis and resource selection in managed brush landscapes of South Texas. 100th Annual meeting of the American Society of Mammologists. Virtual Meeting 14 – 18 June 2021. Faculty poster.
13. Camacho, A. M., W. E. Gless, T. Yamashita, J. Exum, A. Foley, R. DeYoung, E. P. Tanner, S. D. Nelson, and H. L. Perotto-Baldivieso. 2021. Using UAVs for aerial wildlife surveys. What is the big picture? International Association for Landscape Ecology. Virtual meeting. 12 – 16 April 2021. Graduate Student presentation.
14. Granger, M. C. Hilton, S. Henke, L. Schofield, and H. L. Perotto-Baldivieso. 2021. Reproductive capabilities of nilgai in South Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Graduate student presentation.
15. Lombardi, J. V., H. L. Perotto-Baldivieso, M. Sergeyev, A. Veals, L. Schofield, J. Young, and M. T. Tewes. 2021. Landscape structure of woody communities for ocelots in Southern Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Faculty presentation.
16. Page, M. T., R. C. Combs, B. K. Johnston, M. Ramirez, A. M. Camacho, A. M. DiMaggio, J. A. Ortega-S., D. Daniels, T. Kimmet, E. P. Tanner, J. P. Angerer, H. L. Perotto-Baldivieso. 2021 An operational approach to forage mass estimation using drones. International Association for Landscape Ecology. Virtual meeting. 12 – 16 April 2021. Graduate Student presentation.

17. Yamashita, T. J., H. L. Perotto-Baldivieso, M. E. Tewes, J. H. Young, J. V. Lombardi. 2021. Quantifying the vegetation structure around Wildlife crossing structures in Cameron County, Texas. The Wildlife Society Meeting. Virtual meeting 1 – 5 November 2021. Graduate student presentation.

2020

18. Perotto-Baldivieso, H. L. 2020. Geospatial perspectives and approaches to monitoring invasive species in South Texas. Society for Range Management. Denver, CO. 16-20 February 2020. Faculty Presentation.
19. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, and N. Wilkins. 2020. Implementing and evaluating a sustainable bobwhite harvest prescription. The Wildlife Society. Reno, NV. 9 September – 3 October 2020. Graduate student oral presentation.

2019

20. Crowley, D. M., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-S, L. A. Brennan, and B. S. Mitchell. 2019. Evaluation of loafing site characteristics for Rio Grande wild turkeys in the coastal sand plains of Texas. US – International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student oral presentation.
21. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, S. Rideout-Hanzak, D. B. Wester, and B. Hedquist. 2019. Aboveground biomass estimation from unmanned aerial vehicles in rangelands. Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019. Graduate student oral presentation.
22. Menefee, A. R., H. L. Perotto-Baldivieso, W. P. Kuvlesky, D. G. Hewitt, A. Ortega-S., L. A. Brennan, D. G. Hewitt, M. T. Page, J. K. Burchsted, and P. K. Koch. 2019. Old tricks-new opportunities: Using telemetry to assess landscape structure for Rio Grande wild turkey breeding and wintering habitat in South Texas. US – International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student oral presentation.
23. Weeda, C. E., R. Machen, C. Mathis, B. Turner, D. L. Drawe, B. Huegele, H. L. Perotto-Baldivieso. 2019. Using geospatial technologies to optimize brush management on South Texas rangelands. Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019. Graduate student oral presentation.
24. Wied J. P., H. L. Perotto-Baldivieso, A. A. Torres-Conkey, and L. A. Brennan. 2019. Comparing the detection of old world bluestem distributions in South Texas using different remote sensing platforms. US – International Association for Landscape Ecology. Fort Collins, Colorado. 7 – 11 April 2019. Graduate student oral presentation.

2018

25. Hernández, F., C. Ríos, and H. L. Perotto-Baldivieso. 2018. Evolutionary History of Herbivory in Patagonian Steppe: Aligning present grazing with paleoherbivory. Society for Range Management. Sparks, Nevada. 28 January – 2 February 2018. Faculty.

26. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso. 2018. Change and fragmentation of woody cover affects ocelot recovery in Texas. American Society of Mammologists. Manhattan, Kansas, 25 – 29 June 2018. Graduate student presentation.
27. Opatz, A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2018. Land cover preference versus availability of pronghorn in the Texas Panhandle. Western Association of Fish and Wildlife Agencies. 28th Pronghorn workshop. Reno, Nevada. 13 – 15 August 2018. Graduate student presentation.
28. Ortiz, J. L., A. A. T. Conkey, L. A. Brennan, H. L. Perotto-Baldivieso, D. B. Wester, J. V. Lombardi, and T. Campbell. 2018. Using the gradient concept to visualize breeding bird richness and woody structure relationships on South Texas rangelands. American Ornithological Society. Tucson, Arizona, 9 – 14 April 2018. Graduate student presentation.
29. Perotto-Baldivieso, H. L., J. M. Mata, J. L. Ortiz, J. T. Edwards, A. A. T. Conkey, F. Hernández, L. A. Brennan, E. D. Grahmann, S. Rideout-Hanzak, and D. B. Wester. 2018. The gradient concept of landscape structure for wildlife habitat in rangelands. Society for Range Management. Sparks, Nevada. 28 January – 2 February 2018. Faculty.
30. Perotto-Baldivieso, H. L., J. M. Mata, J. L. Ortiz, J. T. Edwards, A. A. T. Conkey, F. Hernández, L. A. Brennan, E. D. Grahmann, S. Rideout-Hanzak, and D. B. Wester. 2018. The gradient concept of landscape structure for wildlife habitat in rangelands. US Chapter – International Association for Landscape Ecology. Chicago, Illinois. 8 – 12 April 2018. Faculty presentation.

2017

31. Mata, J. M., H. L. Perotto-Baldivieso, F. Hernández, E. D. Grahmann, and S. Rideout-Hanzak. 2017. Mapping the spatial distribution of tanglehead (*Heteropogon contortus*) on South Texas rangelands. Society for Range Management. 29 January – 2 February 2017. St. George, Utah. Graduate student presentation.
32. Perotto-Baldivieso H. L., C. Walther, K. Labrador, J. M. Mata, A. Ortega-S, S. Rideout-Hanzak, David B. Wester, J. Jung, J. Jeom, and A. Chang. 2017. Integrating geospatial technologies to monitor and manage invader species in rangelands. Society for Range Management. 29 January – 2 February 2017. St. George, Utah. Faculty.
33. Perotto-Baldivieso H. L., C. Walther, K. Labrador, J. M. Mata, A. Ortega-S, S. Rideout-Hanzak, David B. Wester, F. Hernández, E. D. Grahmann, J. T. Edwards, J. Jung, J. Jeom, and A. Chang. 2017. Integrating geospatial technologies for range management. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Faculty. Guest speaker, Plenary session.
34. Sanchez, G. A., R. W. DeYoung, D. L. Williford, D. G. Hewitt, T. E. Fulbright, H. L. Perotto-Baldivieso, L. A. Harveson, and S. A. Gray. 2017. Analysis of allelic variation in prion protein gene of Texas mule Deer. Western Association of Fish and Wildlife Agencies. Idaho. 1 – 4 May 2017. Graduate student presentation.

35. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Factors influencing northern bobwhite density, nest sites, and nest survival on post-grazing landscape in South Texas. American Ornithological Society. East Lansing, Michigan. 31 July – 5 August 2017. Graduate student presentation.
36. Wells, E. D., Bart M. Ballard, Shawn L. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, and H. L. Perotto-Baldivieso. 2017. Selection of roosting habitat by wintering Sandhill Cranes along the Texas Gulf Coast. American Ornithological Society. East Lansing, Michigan. 31 July – 5 August 2017. Graduate student presentation.

2016

37. Perotto-Baldivieso, H. L., B. Condori, N. Cochi, A. Rojas, F. Anthelme, and O. Dangles. 2016. Biomass and Net Primary Productivity estimation using high resolution satellite imagery in Andean pastures. 69th Society for Range Management Annual Meeting. Corpus Christi, Texas. 31 January – 4 February 2016.
38. Sanders, H. N., N. P. Snow, D. G. Hewitt, K. C. VerCauteren, H. L. Perotto-Baldivieso. 2016. Response of feral swine to the seasonal availability of wild turkey nests. The Wildlife Society. Raleigh North Carolina. 15 – 19 October 2016. Graduate Student.
39. Ward C., R. DeYoung, T. E. Fulbright, D. G. Hewitt, S. S. Gray, and H. L. Perotto-Baldivieso. 2016. Where the antelope roam: analyses of home range size and habitat use of GPS-collared pronghorn in Texas. Biennial Pronghorn Meeting. Anaconda, Montana. 29 August – 1 September 2016. Graduate Student.

2001-2014

40. Perotto-Baldivieso, H. L., X. B. Wu, M. J. Peterson, N. Silvy, and F. Smeins. 2005. Comparison of landscape characteristics of sites with stable and declining Rio Grande Wild Turkey populations in the Edwards Plateau of Texas. 58th Annual Meeting Society for Range Management. Fort Worth, TX.
41. Perotto-Baldivieso, H. L., X. B. Wu, F. Smeins, M. J. Peterson, and N. Silvy. 2004. Flooding induced landscape changes along the North Prong Medina River and their impacts on Rio Grande Wild Turkey hábitat. 89th Annual Meeting Ecological Society of America. Portland, OR.
42. Perotto-Baldivieso, H. L., X. B. Wu, M. J. Peterson, N. Silvy, and F. Smeins. 2003. Flood induced landscape changes and their effect on roosting habitat for Rio Grande Wild Turkey in Bandera County. 56th Annual Meeting Society for Range Management. Casper, WY.

State

2021

43. Camacho, A. M., W. E. Gless, J. Exum, A. Foley, R. DeYoung, E. P. Tanner, S. D. Nelson, and Humberto L. Perotto-Baldivieso. 2021. When is the best time to fly a drone for wildlife surveys? Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.

44. Camacho, A. M., A. L. Montemayor, W. E. Gless, T. Yamashita, J. Exum, Humberto L. Perotto-Baldivieso, A. Foley, R. DeYoung, E. P. Tanner, and S. D. Nelson. 2021. Planning aerial wildlife surveys with UAVs. What is the big picture? Texas Section Society for Range Management. Victoria, TX. 20 – 22 October 2021. Graduate student presentation.
45. Combs, R. C., J. Alfonso-Ortega-S., H. L. Perotto-Baldivieso, S. Rideout-Hanzak, D. B. Wester, D. R. Tolleson, M. T. Page, and A. M. Camacho. 2021. Pilot study to estimate crude protein in tanglehead using unmanned aerial vehicles. Texas Section Society for Range Management. Victoria, TX. 20 – 22 October 2021. Graduate student presentation.
46. Friesenhahn, B., R. W. DeYoung, M. J. Cherry, H. L. Perotto-Baldivieso, K. C. VerCauteren, N. P. Snow, J. W. Fischer. 2021. Movement responses and resource selection of wild pigs in relation to corn growth stages. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
47. Granger, M. C. Hilton, S. Henke, H. L. Perotto-Baldivieso, and T. Campbell. 2021. Reproductive capabilities of nilgai in South Texas. 2021. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February.2021. Graduate Student poster.
48. Granger, M., H. L. Perotto-Baldivieso, C. Hilton, S. Henke, T. Campbell. 2021. Habitat utilization of nilgai in during the winter in South Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
49. Lombardi, J. V., H. L. Perotto-Baldivieso, M. E. Tewes, M. Sergeyev, J. P. Leonard, A. M. Veals, L. Schofield, J. H. Young. 2021. Are all large patches created equally? Landscape structure of woody communities to inform ocelot recovery and road mitigation in Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Faculty presentation.
50. Page, M. T., R. C. Combs, B. K. Johnston, M. Ramirez, A. M. Camacho, A. M. DiMaggio, J. A. Ortega-S., D. Daniels, T. Kimmet, E. P. Tanner, J. P. Angerer, H. L. Perotto-Baldivieso. 2021 An operational approach to forage mass estimation using drones. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
51. Stewart, K. G., F. Hernández, E. D. Grahmann, H. L. Perotto-Baldivieso, L. A. Brennan, D. B. Wester, and R. Perez. 2021. Influence of juniper on Montezuma quail habitat use in Texas. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.
52. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, N. Wilkins. 2021. Implementing and evaluating a sustainable bobwhite harvest prescription. Texas Chapter the Wildlife Society. Virtual meeting. 24 – 26 February 2021. Graduate Student presentation.

2020

53. Blackburn, A., C. J. Anderson, A. M. Veals, M. E. Tewes, D. B. Wester, J. H. Young Jr., R. W. DeYoung, and H. L. Perotto-Baldivieso. Landscape patterns of ocelot vehicle collision sites. Texas

Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.

54. Blackburn, A., A. M. Veals, M. E. Tewes, J. H. Young Jr., R. W. DeYoung, and H. L. Perotto-Baldivieso. 2020. Comparative landscape analysis of wildlife crossing structures and vehicle collision sites of the endangered ocelot. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
55. DiMaggio, A., H. L. Perotto-Baldivieso, J. A. Ortega-Santos, C. Walther, K. L. Labrador-Rodriguez, M. T. Page, J. L. Martinez, S. Rideout-Hanzak, B. Hedquist, and D. B. Wester. 2020. Forage standing crop estimation from unmanned aerial vehicles in semi-arid rangelands. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student Cottam oral presentation.
56. Friesenhahn, B., R. W. DeYoung, H. L. Perotto-Baldivieso, K. C. VerCauteren, N. P. Snow. J. W. Fischer. 2020. Space use of wild pigs in relation to crop growth stages in an agricultural landscape. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
57. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegan, and H. L. Perotto-Baldivieso. 2020. A model of shorebird foraging habitat in the Laguna Madre. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
58. Lombardi J. V., D. I. MacKenzie, M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2020. Co-occurrence of bobcats, coyotes, and ocelots in Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student Cottam oral presentation.
59. Lombardi, J. V., H. L. Perotto-Baldivieso, M. E. Tewes, J. P. Leonard, D. G. Hewitt, D. G. Scognamillo, and T. A. Campbell. 2020. Predictive performance of GPS telemetry fix rates to inform ocelot species distribution models. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
60. Mizer, G. L., W. C. Conway, A. P. Opatz, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, and S. S. Gray. 2020. Influence of Agricultural production and anthropogenic structures on pronghorn survival in the Texas Panhandle. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
61. Page, M. T., V. Cavazos, H. Carroll, K. Baca, D. Daniels, and H. L. Perotto-Baldivieso, and A. Ortega S. 2020. Evaluating mesquite canopy height using UAVs and other Geospatial methodologies. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
62. Pearson, Z. J., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, A. Montalvo, and D. A. DeLaney. 2020. Defining covey locations and flight path deviation during aerial quail surveys.

Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.

63. Pope, T., A. K. Killam, V. M. Cavazos, S. E. Henke, D. B. Wester, H. L. Perotto-Baldivieso, and C. D. Hilton. 2020. Raccoon roundworm as an occupational hazard to captive wildlife and their caregivers. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
64. Stewart, K. G., F. Hernández, E. D. Grahmann, L. A. Brennan, H. L. Perotto-Baldivieso, and R. Perez. 2020. Comparative habitat use of Montezuma quail in Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
65. Veals, A. M., A. Blackburn, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, C. J. Anderson, R. W. DeYoung, T. Campbell, and J. H. Young Jr. 2020. Functional responses in resource selection by ocelots in South Texas. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.
66. Woodard, A., L. A. Brennan, F. Hernandez, H. L. Perotto-Baldivieso, and N. Wilkins. 2020. Implementing and evaluating a sustainable bobwhite harvest prescription. Texas Chapter The Wildlife Society. Corpus Christi, Texas. 13 – 15 February 2020. Graduate student oral presentation.

2019

67. Blackburn, A. M. Veals, C. J. Anderson, M. E. Tewes, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young. 2019. Landscape characteristics surrounding ocelot-vehicle collision sites. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
68. Carter, S. B., M. E. Tewes, H. L. Perotto-Baldivieso, C. J. Anderson, J. V. Lombardi, A. M. Veals, and T. A. Campbell. 2019. Coexistence among felids, cattle, and game species. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
69. Carter, S. B., M. E. Tewes, H. L. Perotto-Baldivieso, C. J. Anderson, J. V. Lombardi, A. M. Veals, and T. A. Campbell. 2019. Coexistence among felids, cattle, and game species. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
70. Crowley, D. M., H. L. Perotto-Baldivieso, W. P. Kuvlesky, J. A. Ortega-Santos, L. A. Brennan, M. T. Page, N. R. Kolbe. 2019. Developing habitat suitability models for wintering Rio Grande wild turkeys in North Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student Cottam oral presentation.
71. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegman, and H. L. Perotto-Baldivieso. 2019. Modeling foraging habitat for shorebirds in the Laguna Madre. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.

72. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2019. Multiseason occupancy dynamics of ocelots in Tamaulipan thornscrub of South Texas. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
73. Lombardi, J. V., M. E. Tewes, and H. L. Perotto-Baldivieso. 2019. Change of woody cover affects ocelot recovery in South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
74. Lombardi J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2019. Multiseason occupancy dynamics of ocelots in Tamaulipan thornscrub of South Texas. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
75. Mizer, G. L., W. C. Conway, A. P. Opatz, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, and S. S. Gray. 2019. Influence of agriculture on pronghorn movement, survival, and diet composition in the Texas Panhandle. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
76. Opatz A. P., T. E. Fulbright, G. L. Mizer, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2019. Land cover and resource selection of pronghorn in the Texas Panhandle. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.
77. Veals A. M., A. Blackburn, C. J. Anderson, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young, Jr. 2019. Ocelot resource selection in a highly fragmented landscape. Texas Society of Mammologists Annual Meeting. Junction, Texas. 8 – 10 February 2019. Graduate student oral presentation.
78. Veals A. M., A. Blackburn, C. J. Anderson, M. E. Tewes, J. D. Holbrook, H. L. Perotto-Baldivieso, R. W. DeYoung, and J. H. Young, Jr. 2019. Ocelot resource selection in a highly fragmented landscape. Texas Chapter The Wildlife Society. Montgomery, Texas. 21 – 23 February 2019. Graduate student oral presentation.

2018

79. Crowley, D. M., W. P. Kuvlesky, H. L. Perotto-Baldivieso, Alfonso Ortega-Santos, and L. A. Brennan. 2018. Developing habitat suitability models for Eastern and Rio Grande wild turkeys in Northeast Texas. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student presentation.
80. Sanchez G. A., R. W. DeYoung, D. L. Williford, D. G. Hewitt, T. E. Fulbright, H. L. Perotto-Baldivieso, L. A. Harveson, and S. Gray. 2018. Analysis of allelic variation in prion protein gene of Texas mule Deer. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student presentation, Cottam Competition.

81. VonBank J. A., B. M. Ballard, K. J. Kraai, M. D. Weegman, D. P. Collins, and H. L. Perotto-Baldivieso. 2018. Winter movements and habitat use by greater white-fronted geese. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student presentation.
82. Walther, C. H., J. A. Ortega-Santos, H. L. Perotto-Baldivieso, S. Rideout-Hanzak, D. B. Wester. 2018. Long-term responses of tanglehead to prescribed burning and cattle grazing. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student presentation.
83. Weeda, C. E., R. Machen, C. Mathis, B. Turner, D. L. Drawe, B. Huegele, H. L. Perotto-Baldivieso. 2018. Using geospatial technologies to optimize brush management on a South Texas rangeland. Texas Section Society for Range Management. Lubbock, Texas. 10 – 12 October 2018. Graduate student presentation.
84. Wells E. D., B. M. Ballard, S. L. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, H. L. Perotto-Baldivieso, and D. Wolfson. 2018. Autumn and wintering movement ecology of gulf coast subpopulation sandhill cranes. Texas Chapter The Wildlife Society. Dallas, Texas. 9 – 11 February 2018. Graduate student presentation.

2017

85. Edwards, J. T., F. Hernández, J. M. Mata, H. L. Perotto-Baldivieso, D. B. Wester, L. A. Brennan, F. C. Bryant, and C. J. Parent. 2017. Influence of tanglehead on spatial distribution of northern bobwhite. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
86. Haynes, V. L., J. S. Avila Sanchez, S. Rideout-Hanzak, J. Alfonso Ortega-S., David B. Wester, T. E. Fulbright, H. L. Perotto-Baldivieso, T. A. Campbell, and A. Ortega-S. Jr. 2017. Prescribed patch burning in gulf cordgrass rangelands un ungulate distribution. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Graduate student presentation.
87. Kubečka B. W., D. Rollins, F. Hernández, H. L. Perotto-Baldivieso, D. B. Wester, and L. M. Lacoste. Woody cover metrics associated with northern bobwhite abundance and productivity in the Rolling Plains. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
88. Lombardi J. V., Michael E. Tewes, H. L. Perotto-Baldivieso, J. P. Wied, J. P. Leonard, D. Kunz, J. M. Mata, and T. A. Campbell. 2017. Macro- and micro-habitat factors of ocelot occupancy. Texas Chapter The Wildlife Society. San Antonio, Texas. 16 – 18 February 2017. Graduate student presentation.
89. Mata, J. M., H. L. Perotto-Baldivieso, F. Hernández, E D. Grahmann, S. Rideout-Hanzak, J. Robles, M. T. Page, and T. M. Shedd. 2017. Factors influencing the spatial and temporal distribution of tanglehead on South Texas rangelands. Texas Chapter The Wildlife Society. San Antonio, Texas. 16—18 February 2017. Graduate student presentation.

90. Mata, J. M., H. L. Perotto-Baldivieso, F. Hernández, E D. Grahmann, S. Rideout-Hanzak. J. Robles, M. T. Page, and T. M. Shedd. 2017. Factors influencing the spatial and temporal distribution of tanglehead on South Texas rangelands. Texas Section Society for Range Management. San Angelo, Texas. 11 – 13 October 2017. Graduate student presentation.
91. Ortiz, J., A. A. T. Conkey, L. A. Brennan, H. L. Perotto-Baldivieso. D. B. Wester, and T. Campbell. 2017. Breeding bird abundance and landscape productivity on South Texas rangelands. Texas Chapter The Wildlife Society. San Antonio, Texas. 16—18 February 2017. Graduate student presentation.
92. Sanders, H. N., N. P. Snow, D. G. Hewitt, K. C. VerCauteren, and H. L. Perotto-Baldivieso. 2017. Depredation of simulated wild turkey nests by feral swine. Texas Chapter The Wildlife Society. San Antonio, Texas. 16—18 February 2017. Graduate student presentation.
93. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Does time change everything? Northern bobwhite response to post-grazing vegetation recovery in South Texas. Texas Chapter The Wildlife Society. San Antonio, Texas. 16—18 February 2017. Graduate student presentation.
94. Smith, R. A., L. A. Brennan, H. L. Perotto-Baldivieso, and F. Hernández. 2017. Does Management Work? Measuring Northern Bobwhite Response to Post-Grazing Vegetation Recovery and Management in South Texas. Texas Section Society for Range Management. San Angelo, Texas 11 – 13. October 2017. Graduate student presentation.
95. Walther, C. H., J. Alfonso Ortega-S., H. L. Perotto-Baldivieso, S. Rideout-Hanzak, and D. B. Wester. 2017. Long-term responses of tanglehead to prescribed burning and cattle grazing. Texas Section Society for Range Management. San Angelo, Texas 11 – 13. October 2017. Graduate student presentation.

2016

96. Miller, K. S., L. A. Brennan, F. Hernández, E. D. Grahmann, and H. L. Perotto-Baldivieso. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Conservation Cooperative. Texas Chapter of The Wildlife Society. San Antonio, Texas. 18 – 20 February 2016. Research Associate.

2015

97. Schnupp M. J., C. J. Parent, D. B. Wester, H. L. Perotto-Baldivieso, L. A. Brennan, and D. G. Hewitt. 2015. Spatially explicit density data of northern bobwhites on King Ranch, Inc. Texas. 2015 Statewide quail Symposium, Abilene, Texas, 16-18 September 2015. Graduate Student.

2001-2014

98. Perotto-Baldivieso, H. L., X. B. Wu, M. J. Peterson, N. J. Silvy, and F. E. Smeins. 2005. Comparison of landscape characteristics of sites with stable and declining Rio Grande Wild

Turkey populations in the Edwards Plateau of Texas. 40th Texas Chapter of the Wildlife Society Annual meeting. Amarillo, TX.

99. Perotto-Baldivieso, H. L., X. B. Wu, F. E. Smeins, M. J. Peterson, and N. J. Silvy. 2004. Flooding induced landscape changes in the North Prong Medina River and their impacts on Rio Grande Wild Turkey habitat. 39th Texas Chapter of the Wildlife Society Annual meeting. Kerrville, TX.

Local

100. Perotto-Baldivieso, H. L., X. B. Wu, M. J. Peterson, N. J. Silvy, and F. E. Smeins. 2005. Comparison of landscape characteristics of sites with stable and declining Rio Grande Wild Turkey populations in the Edwards Plateau of Texas. Student Research Week, Texas A&M University, College Station, TX.
101. Perotto-Baldivieso, H. L., X. B. Wu, M. J. Peterson, N. J. Silvy, and F. E. Smeins, and S. J. DeMaso. 2005. Comparison of landscape characteristics of sites with stable and declining Rio Grande Wild Turkey populations in the Edwards Plateau of Texas. 6th Wildlife and Fisheries Sciences Student Symposium, College Station, TX.
102. Perotto-Baldivieso, H. L. 2001. GIS-based landslide hazard zonation in Namasigue and El Triunfo, Southern Honduras. Student Research week, Texas A&M University, College Station, TX.

LIST OF NON-REFEREED PRESENTATIONS

International

- Perotto-Baldivieso H. L. 2021 Informacion espacial para el manejo de hábitat para fauna silvestre. Universidad Autonoma de Tamaulipas. Virtual meeting. 21 October 2021. Faculty Guest Speaker.
- Perotto-Baldivieso H. L. 2021. El campo: una oportunidad para los jóvenes del mundo. Foro de Innovación Tecnológica y Emprendimiento. Instituto Tecnológico Superior de Salvatierra. 12 March 2021. Faculty Guest Speaker.
- Perotto-Baldivieso, H. L. 2017. What is landscape ecology? Benthic Ecosystems spatial ecology Workshop I: Novel approaches to determining benthic community dynamics at different scales. Cape Eleuthera Institute, Cape Eleuthera, Bahamas. 24 – 27 September 2017. Faculty.
- Perotto-Baldivieso, H. L. 2015. Diseminación de datos en línea. Hello Tomorrow 2015, global launching event. La Paz, Bolivia. (Keynote speaker).
- Perotto-Baldivieso, H. L. 2015. Integrando ecología del paisaje con registros del Centro Geoespacial para la Biodiversidad con fines de conservación. Museo de Historia Natural Noel Kempff Mercado, Universidad Autónoma Gabriel René Moreno. Santa Cruz, Bolivia. (Guest speaker).
- Perotto-Baldivieso, H. L., K. Rivero, A. B. Gill, R. I. Meneses, L. Aguirre, S. Herzog, M. I. Galarza, and M. Velilla. 2015. Compartiendo datos de la Biodiversidad de Bolivia y Paraguay con el mundo: La

red de centros geospaciales para la biodiversidad. Departamento de Ciencias Ambientales, Escuela Militar de Ingeniería. La Paz. Bolivia. (Keynote speaker).

Perotto-Baldivieso, H. L. 2013. Geospatial technologies for animal movement and animal behavior. Liverpool John Moore University. Liverpool, United Kingdom. (Seminar presentation).

Perotto-Baldivieso, H. L. 2013. Geospatial technologies for animal movement and animal behavior. Charles University. Prague, Czech Republic. (Guest speaker).

Perotto-Baldivieso, H. L., K. Rivero, J. Pinto-Ledezma, and A. B. Gill. 2013. El Centro Geoespacial para la Biodiversidad: diseminación de la información para la biodiversidad en el siglo XXI. National Academy of Sciences of Paraguay. Asunción, Paraguay. (Keynote speaker).

Perotto-Baldivieso, H. L., K. Rivero, and A. B. Gill. 2013. Distributing spatial data online: the Bolivian Geospatial Centre for Biodiversity. Czech University of Life Sciences. Prague, Czech Republic. (Guest speaker).

Perotto-Baldivieso, H. L., K. Rivero, and A. B. Gill. 2013. Distributing spatial data online: the Bolivian Geospatial Centre for Biodiversity. Human Ecology Research Group, University College London. London, U.K. (Seminar presentation).

Perotto-Baldivieso, H. L., K. Rivero, J. Pinto-Ledezma, and A. B. Gill. 2013. Distributing spatial data on the web: The Geospatial Centre for Biodiversity. Centre for Environmental Risks and Futures, Cranfield University. Cranfield, U.K. (Seminar presentation).

Perotto-Baldivieso, H. L., K. Rivero, J. Pinto-Ledezma, and A. B. Gill. 2013. Distributing spatial data on the web: The Geospatial Centre for Biodiversity. Instituto Politecnico de Braganza. Braganza, Portugal. (Keynote speaker)

Perotto-Baldivieso, H. L. 2011. A landscape perspective of natural hazards and ecological conservation. Centre for Environmental Risks and Futures, Cranfield University. Cranfield, U.K. (Seminar presentation).

Perotto-Baldivieso, H.L. and S. Hallett. 2010. Delivering spatial data infrastructure in natural resources. Universidad Politecnica de Valencia. Valencia, Spain. (Guest speaker)

Perotto-Baldivieso, H. L. 2008. Multiple scale analysis of Wildlife habitats. Carrera de Geografía. Universidad Mayor de San Simon. La Paz, Bolivia. (Seminar presentation).

Perotto-Baldivieso, H. L., S. M. Cooper, A. F. Cibils. 2008. New challenges to rangeland connectivity in the SouthWestern United States. Universidad de Andalucia. Baeza, Spain. (Guest speaker).

Perotto-Baldivieso, H. L., A. Pareja, W. Tejeda, and J. Villegas. 2008. Analisis de la dinámica espacial de las inundaciones en Beni y Pando. Prefectura de Beni, Trinidad, Bolivia. (Seminar presentation).

National

- Miller K. S., H. L. Perotto-Baldivieso, L. A. Brennan, F. Hernández, E. D. Grahmann, J. Mata, H. Hannusch, J. Robles, A. Z. Okay, X. B. Wu, M. J. Peterson. 2017. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative. Gulf Coast Prairie Landscape Conservation Cooperative Steering Committee. Kingsville, Texas. 12 January 2017. Faculty.
- Perotto-Baldivieso, H. L. 2016. Using landscape metrics for habitat suitability models. Migratory bird-Joint venture Geospatial Working Group. 13 July 2016, Webinar.
- Miller K. S. , H. L. Perotto-Baldivieso, L. A. Brennan, F. Hernández, E. D. Grahmann, J. Mata, H. Hannusch, J. Robles, A. Z. Okay, X. B. Wu, M. J. Peterson. 2016. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative. Gulf Coast Prairie Landscape Conservation Cooperative. 7 September 2016. Webinar.
- Perotto-Baldivieso, H. L. 2005. El uso de la tierra y los derrumbes: el caso de Honduras después de Mitch. Facultad de Ciencias Ambientales, Universidad de Puerto Rico. San Juan, Puerto Rico. (Seminar presentation).
- Perotto-Baldivieso, H. L. 2005. GIS-based multiple scale study of Rio Grande Wild Turkey habitat in the Edwards Plateau of Texas. Facultad de Biología, Universidad de Puerto Rico. San Juan, Puerto Rico. (Seminar presentation).

State

- Perotto-Baldivieso, H. L. 2018. Geospatial technologies for habitat management. Department of Environmental Sciences. UTSA. San Antonio, Texas. 29 October 2018. Faculty.
- Perotto-Baldivieso, H. L. 2018. Drone applications for grazing lands. South Texas grazing lands coalition workshop. Duval County Ranch, Texas. 18 October 2018.
- Miller K. S., H. L. Perotto-Baldivieso, L. A. Brennan, F. Hernández, E. D. Grahmann, J. Mata, H. Hannusch, J. Robles, A. Z. Okay, X. B. Wu, M. J. Peterson. 2018. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative. Quail short course. San Antonio, TX. 20 September 2018. Faculty.
- Perotto-Baldivieso H. L. 2018. GIS, drones, and habitat management. South Texas Wildlife Conference. Kingsville, TX. 7 September 2018. Faculty
- Perotto-Baldivieso, H. L. 2018. The use of GIS in medical Geography. How to use spatial data: an introduction. UTSA. San Antonio, Texas. 22 February 2018. Faculty.
- Perotto-Baldivieso, H. L. 2017. From pattern to process: potential applications of landscape ecology principles in medical geography. UTSA. San Antonio, Texas. 16 January 2017. Faculty.

- Perotto-Baldivieso, H. L. 2017. From pattern to process: potential applications of landscape ecology principles in medical geography. UTSA. San Antonio, Texas. 24 October 2017. Faculty.
- Perotto-Baldivieso, H. L. 2017. The Geospatial Technologies Laboratory, Caesar Kleberg Wildlife Research Institute. Galveston College Visit. Texas Agrilife Research and Extension Center – Corpus Christi. Corpus Christi, Texas. 07 August 2017. Faculty.
- Perotto-Baldivieso, H. L. 2016. Geospatial technologies for wildlife and habitat studies. 17 November 2016. GIS day, University of Texas San Antonio, San Antonio.
- Perotto-Baldivieso, H. L. 2016. UAVs and landscape ecology for rangelands and wildlife research. Workshop in Managing natural resources with UAVs: present and future possibilities. 16 September 2016. Texas A&M University – Kingsville, Kingsville.
- Perotto-Baldivieso, H. L. 2016. UAV Applications for landscape ecology. Galveston College Visit. 18 August 2016. Texas A&M University – Kingsville, Kingsville.
- Perotto-Baldivieso, H. L. 2016. The use of math in Geospatial Technologies: Applications in wildlife and habitat studies. Department of Mathematics Departmental Seminar. 15 April 2016. Texas A&M University – Kingsville, Kingsville.
- Perotto-Baldivieso, H. L. 2016. Landscape ecology applications to wildlife and habitat studies. TCTWS chapter-Texas State University. 22 March 2016. Texas State University, San Marcos.
- Perotto-Baldivieso H.L. GIS applications in livestock and grazing management. Advanced grazing livestock class. March 1st, 2016. Texas A&M University – Kingsville. Kingsville.
- Perotto-Baldivieso, H. L. 2015. Application of spatial technologies in wildlife biology. Department of Animal, Rangeland and Wildlife Sciences, Texas A&M University - Kingsville. Kingsville. (Guest speaker RWSC3390).
- Perotto-Baldivieso, H. L. 2007. The use of aerial photography in landscape ecology studies. Remote sensing for Natural Resources Management. Department of Ecosystem Science and Management, Texas A&M University. College Station. (Guest speaker).
- Perotto-Baldivieso, H. L. 2007. GIS applications in natural resources. Geographic Information Systems for Natural Resources Management. Department of Ecosystem Science and Management, Texas A&M University. College Station. (Guest speaker).
- Perotto-Baldivieso, H. L. 2007. GIS-based multiple-scale study of Rio Grande Wild turkey habitat in the Edwards Plateau of Texas. Wildlife Program. Southwest Texas Junior College. Uvalde. (Guest speaker).

- Perotto-Baldivieso H. L. 2007. From pattern to process. Potential applications of landscape ecology principles in medical geography. Department of Health, University of Texas at San Antonio. San Antonio. (Guest speaker).
- Perotto-Baldivieso H. L. 2007. Animal movement, habitat mapping, and landscape analysis. Department of Environmental Sciences, University of Texas at San Antonio. San Antonio. (Guest speaker).
- Perotto-Baldivieso H. L. 2007. Animal movement and habitat availability. Department of Environmental Sciences, University of Texas at San Antonio. San Antonio. (Guest speaker).
- Perotto-Baldivieso, H. L. 2006. GIS applications in ecological research. Geographic Information Systems for Natural Resources Management. Department of Ecosystem Science and Management, Texas A&M University. College Station. (Guest speaker).

LIST OF PRESENTATIONS FOR LAY AUDIENCES

- Perotto-Baldivieso H. L. 2019. Integrating geospatial technologies for range management. Kingsville Rotary Club. Kingsville, TX. 13 August 2019.
- Perotto-Baldivieso H. L. 2018. GIS, drones, and habitat management. CKWRI partners meeting. Kingsville, TX. 19 September 2018.
- Perotto-Baldivieso, H. L. 2018. Spatial Ecology of wild turkey in Texas. Tyler Chapter Stewards of the wild. Tyler, TX. 9 August 2018.
- Perotto-Baldivieso, H. L. 2018. The gradient concept of landscape structure for wildlife habitat in rangelands. South Texas Quail Coalition. Kingsville, TX. 7 August 2018.
- Perotto-Baldivieso, H. L. 2018. Quantifying the spatial and temporal distribution of tanglehead on South Texas rangelands. South Texas Quail Coalition. Kingsville, TX. 6 June 2018.
- Perotto-Baldivieso H. L. 2018. Integrating geospatial technologies for range management. Kingsville Lions Club. Kingsville, TX. 21 February 2018.
- Perotto-Baldivieso H. L. 2017. Integrating GIS, remote sensing, and drones into livestock and wildlife habitat management. GIS Day 2017. Corpus Christi, Texas. 15 November 2017. Faculty.
- Perotto-Baldivieso H.L. 2017. Remote sensing for wildlife and habitat management. Santa Gertrudis Independent School District 7th and 8th grade. Kingsville, Texas, 19 December 2017. Faculty.
- Perotto-Baldivieso H.L. 2016. Geospatial Technologies for wildlife and habitat studies. Texas Wildlife Association. San Antonio, TX, 16 July 2016. Faculty.
- Perotto-Baldivieso H. L. 2016. Today is Earth's day!. Aspire to Lead Academy (kinger-2nd grade students). Kingsville, TX, 22 August 2016. Faculty.

Perotto-Baldivieso H. L. 2016. What is an ecosystem? Kingsway Leadership Academy (3rd Grade). Kingsville, TX, 26 April 2016. Faculty.

Perotto-Baldivieso H. L. 2016. The importance of conservation. Kingsway Leadership Academy (7th-8th Grade). Kingsville, TX, 16 May 2016. Faculty.

Perotto-Baldivieso H.L. 2015. Landscape Ecology for Rangeland and Wildlife Studies in South Texas. CKWRI Las Huellas Seminar. Brownsville, TX, 18 August 2015. Faculty.

RESEARCH AND CREATIVE ACTIVITIES

Funded grants (Since Appointment)

2021

- Evan P. Tanner, Ashley M. Tanner, Fidel Hernandez, David G. Hewitt, David B. Wester, R. S. Luna, L. A. Brennan, H. L. Perotto-Baldivieso. 2021. A multi-scale assessment of habitat connectivity on chestnut-bellied scaled quail populations. Texas Parks and Wildlife Department. \$572,178. September 2021 – August 2025.
- Humberto L. Perotto-Baldivieso. 2021. Advancing career opportunities for Hispanic students with trainings in spatial data Science. NRCS-USDA. \$120,000. September 2021 – December 2024.
- Humberto L. Perotto-Baldivieso, Natasha LuRey Bell, Consuelo Donato, Evan Tanner. 2021. The Drone WAVE FACTOR (Drone use for Women Advancement, Visibility & Experiences in Food & Agriculture). \$399,946. September 2021 – August 2025.
- Randy DeYoung, Humberto L. Perotto-Baldivieso, Michael J. Cherry. 2021. National Feral Swine Damage management. US Department of Agriculture. \$ 100,000. September 2021 – September 2022.

2020

- Leonard Brennan and Humberto L. Perotto-Baldivieso. 2017. Statewide habitat fragmentation and habitat inventory assessment for California, Gambel's and Mountain quails. California Department of Fish and Wildlife. \$ 95,659. August 2020 – December 2022.
- William J. Kuvlesky, Humberto L. Perotto-Baldivieso, Leonard A. Brennan, Alfonso Ortega Santos. 2020. Turkey Surveys at Camp Bowie and Camp Swift Training Center. Texas Military Department. \$ 40,000. January 2020 – January 2022.
- Humberto L. Perotto-Baldivieso Leonard Brennan, and Evan P. Tanner. 2020. Quantifying habitat for scaled quail in South Texas. American Bird Conservancy. \$7,000. October 2020 – February 2021.
- Sandra Rideout-Hanzak, David B. Wester, Scott E. Henke, Humberto L. Perotto-Baldivieso, Evan P. Tanner, I-Kuai Hung, Cord Eversole. 2020. Assessment of South Texas Loma habitat for Texas tortoise. Texas Parks and Wildlife Department. \$ 297,638. November 2020 – August 2023.
- Randall DeYoung and Humberto L. Perotto-Baldivieso. 2020. Feral Swine Data Management. US Department of Agriculture. \$120,000. March 2020- March 2021.

2018

- April A. T. Conkey, Leonard A. Brennan, Humberto L. Perotto-Baldivieso. 2018. East Foundation. \$110,787. October 2018 – September 2021.

William P. Kuvlesky, Alfonso Ortega-Santos, Leonard A. Brennan, Humberto L. Perotto-Baldivieso. 2018. Developing a wild turkey management plan for La Tijerina Ranch as an experiential learning project for and undergraduate wildlife student. \$ 8,598. Raul Tijerina Jr. Foundation. January – December 2019.

Humberto L. Perotto-Baldivieso. 2018. Advancing career opportunities for Hispanic students with trainings in Geospatial Technologies. NRCS-USDA. \$120,000. September 2018 – December 2020.

Humberto L. Perotto-Baldivieso. 2018. Improving the accuracy of the UAV image acquisition. Harvey Weil Sportsman Conservationist. \$6,000. January – December 2019.

Humberto L. Perotto-Baldivieso and David B. Wester. Modelling woody vegetation with very high-resolution remote sensing imagery and unmanned aerial systems. University Research Award. \$ 10,960. September 2018 – May 2019.

2017

Michael Tewes, Randall De Young, and H. L. Perotto-Baldivieso. 2016. Landscape analysis of ocelot-transportation issues. Texas Department of Transportation. 649,310. September 2017 – August 2020.

Fidel Hernández, Eric D. Grahmann, David B. Wester, and Humberto L. Perotto-Baldivieso. 2017. Quail and rain: Does management matter? Texas Agrilife. \$ 140,908. 2017-2019.

2016

William P. Kuvlesky Jr., Humberto L. Perotto-Baldivieso, and Leonard A. Brennan. 2016. Developing Wild Turkey Survey Methodology on Fort Wolters and Camp Maxie Training Centers. Texas Military Department. \$84,647. March 2017 – February 2019.

Humberto L. Perotto-Baldivieso. 2016. Multiple scale spatial analysis of Rio Grande Wild Turkey in the Edwards Plateau of Texas. TAMUK Council for Undergraduate Research. \$ 4,301. February to August 2016.

Humberto L. Perotto-Baldivieso. 2016. Hispanic student on-the-job training and employment opportunities partnership. USDA-NRCS. \$34,720. April to August 2017.

Humberto L. Perotto, William P. Kuvlesky, Alfonso Ortega, and Leonard A. Brennan. 2016. Developing habitat suitability models for wildlife using landscape metrics. Texas A&M University – Kingsville, University Research Award. \$ 14,674. September 2016 – May 2017.

Timothy Fulbright, Randy De Young, David Hewitt, Humberto L. Perotto, and Warren Conway. 2016. Influence of Agricultural Production on Pronghorns in the Texas Panhandle. Texas Parks and Wildlife. \$ 562,872. September 2016 – August 2019.

2015

Humberto L. Perotto-Baldivieso, Fidel Hernández, and Eric Grahmann. 2015. Factors influencing the spatial distribution and increase of tanglehead (*Heteropogon contortus*) on South Texas rangelands. Harvey Weil Sportsman Conservationist Award \$ 5,000. January 2016 – April 2017.

Leonard A. Brennan, Fidel Hernández, Eric D. Grahmann, and Humberto L. Perotto-Baldivieso. 2015. Impacts of Habitat fragmentation on Northern Bobwhites in the Gulf Coastal Prairie LLC. Gulf Coast Prairie LLC \$49,989. 2015 – 2016.

Randy DeYoung, David Hewitt, Timothy E. Fulbright, Humberto L. Perotto-Baldivieso, and Louis Harveson. 2015. DNA technologies to guide management for chronic wasting disease. Texas Parks and Wildlife \$264,062. 2015 – 2018.

Proposals Submitted and in Review

Humberto L. Perotto-Baldivieso, Evan P. Tanner. Developing the spatial database for analysis land use dynamics in the Ogallala Aquifer between 1950 and 1980. US Department of Agriculture / Texas Water Resources Institute. \$ 25,190. September 2021 – September 2022.

Jianhong Ren, Hua Li, Adnan Rajib, Kim Jones, Humberto L. Perotto-Baldivieso, Evan P. tanner, Jon-Wong Choi, Amir Hessami. Breaching vulnerability in the Texas barrier Islands: a management tool for coastal recovery. TGLO CMP. \$ 1,265,994. September 2022 – August 2024.

Funded grants (Pre-Appointment)

Humberto L. Perotto-Baldivieso and Bruno Condori-Ali. 2015. Estimación de Productividad neta primaria a nivel de paisaje en bofedales Alto Andinos. Institut Pour la Recherche et le Développement. \$ 10,000. 2015.

David Chadwick, Laura Cardenas, Humberto L. Perotto-Baldivieso, Mick Whelan. 2015. Grazing behavior, urine composition and soil properties are key controls of N₂O emission factors in the uplands. Natural Environments Research Council. (U.K.). £1,200,000 (\$1,800,000). 2015-2018.

Timothy Farewell, Humberto L. Perotto-Baldivieso, Andrew B. Gill. 2014. Vegetation structure management to improve biodiversity and reduce costs and water contamination risks. Anglian Water. £21,000 (\$33,600). 2014.

Kathia Rivero, Humberto L. Perotto-Baldivieso, and Andrew B. Gill. 2014. The Geospatial Center for Biodiversity (Re-investment project). JRS Biodiversity Foundation. \$190,000. 2014 – 2016.

Andrew B Gill. Humberto L. Perotto-Baldivieso. 2013. A review of impact of the energy sector developments of U.K. seafood. Sea Fish Industry Authority. £6,365 (\$10,184). 2013.

- Simon Jude, Andrew B. Gill, Humberto L. Perotto-Baldivieso. 2013. Towards an evidence based approach for assessing future climate change risks to the marine environment. Centre for Environment, Fisheries and Aquaculture Science (CEFAS). £15,232 (\$24,370). 2013.
- Jim A. Harris, Ron Corstanje, Mark Tibbett, Paul Burgess, Humberto L. Perotto-Baldivieso et al. 2012. Fragments, functions and flows – The scaling of biodiversity and ecosystem services in urban ecosystems. Natural Environment Research Council (U.K.). £ 2,400,000 (\$3,840,000). 2012 – 2016.
- Humberto L. Perotto-Baldivieso and Andrew B. Gill. 2011. PECARI: People, Ecosystems, Conservation And Research Integration. Darwin Initiative Scoping Award. £3,000 (\$4,800). 2011.
- Kathia Rivero, Humberto L. Perotto-Baldivieso, and Andrew B. Gill. 2011. The Geospatial Center for Biodiversity. JRS Biodiversity Foundation. \$190,750. 2011 – 2013.
- Humberto L. Perotto-Baldivieso. 2011. Mapping contamination hazard in Bolivia. Strategic environmental and social assessment of mining in Bolivia. World Bank. £4,224 (\$6,758). 2011.
- Patricia Bellamy, Adrian Yallop, Monica Rivas-Casado, Jim A. Harris, Humberto L. Perotto-Baldivieso. 2011. Developing a strategy for monitoring outcomes within Integrated Biodiversity Delivery Areas. Natural England. £ 46,311 (\$74,000). 2011.
- Mei Yu, Elvia J. Melendez-Ackerman, X. Ben Wu, Humberto L. Perotto-Baldivieso. 2008. Strengthening educational capacities in geospatial science and technology for agricultural and natural resources management. HSI-USDA. \$290,000. 2008 – 2010.
- Jim R. Ansley, Sorin Popescu, and Humberto L. Perotto-Baldivieso. 2008. Biomass availability and feedstock transport logistics of rangeland woody plants for bioenergy uses. Texas Agrilife Research. \$ 50,000. 2008 – 2009.
- Humberto L. Perotto-Baldivieso. 2008. Distribution of human populations and natural hazards in Guatemalan tropical ecosystems. Texas A&M University. \$13,700. 2008.
- Robert E. Zaiglin, Humberto L. Perotto-Baldivieso, Susan Cooper, J. Bryan, and X. Ben Wu. 2007. Geospatial ecosystem management program. HSI-USDA. \$240,000. 2007 – 2009.

PROFESSIONAL GROWTH ACTIVITIES

Membership in professional societies

- The Society for Range Management
 - Member of the Remote Sensing and GIS Committee
 - Member of the Wildlife Habitat Committee
- International Association for Landscape Ecology – US chapter
- Texas Chapter The Wildlife Society
- Texas Section Society for Range Management

Leadership Roles in Professional Societies

- *Society of Range Management*
 - Co-Chair International Affairs Committee (2008 – 2009)
 - Chair International Affairs Committee (2009 – 2010)
 - Co-Chair GIS/Remote Sensing Committee (2017 – 2018)
 - Chair GIS/Remote Sensing Committee (2018 – 2019)
- *Texas Section of the Society of Range Management*
 - Chair Publications awards Committee (2018 – 2021)
 - Second Vice-President Texas Section of the Society for Range Management

Attendance at Meetings of Professional Societies

- The Wildlife Society Meeting. Virtual (1 – 5 November 2021).
- Texas Chapter of The Wildlife Society Annual Meeting. Virtual. (24 – 26 February 2021).
- Society for Range Management 74th Annual Meeting, Virtual (15 – 18 February 2021).
- Texas Section Society for Range Management. Victoria, TX. (20 – 22 October 2021).
- Texas Chapter of The Wildlife Society Annual Meeting. Corpus Christi, TX. (13 – 15 February 2020).
- Society for Range Management 73rd Annual Meeting, Denver, CO (16 – 20 February 2020).
- Texas Section Society for Range Management. Kerrville, TX. (9 – 11 October 2019).
- ESRI User Conference Annual meeting. San Diego, CA. (7 – 11 July 2019).
- Texas Chapter of The Wildlife Society Annual Meeting. Montgomery, TX. (21 – 23 February 2019).
- Society for Range Management 72th Annual Meeting, Minneapolis, MN. (10 – 14 February 2019).
- US – International Association for Landscape Ecology Annual meeting. Fort Collins, CO. (7 – 11 April 2019).
- Texas Section Society for Range Management Annual Meeting. Lubbock, TX. (10 – 12 October 2018).
- ESRI User Conference Annual meeting. San Diego, CA. (8 – 12 July 2018).
- US – International Association for Landscape Ecology Annual meeting. Chicago, IL. (8 – 12 April 2018).
- Texas Chapter of The Wildlife Society Annual Meeting. Dallas, TX. (9 – 11 February 2018).

- Society for Range Management 71th Annual Meeting, Sparks, NV. (28 January – 2 February 2018).
- Texas Section Society for Range Management Annual Meeting. San Angelo, TX. (11 – 13 October 2017).
- ESRI User Conference Annual meeting. San Diego, CA. (9 – 13 July 2017).
- Texas Chapter of the Wildlife Society Annual Meeting. San Antonio, TX. (16 – 18 February 2017).
- Society for Range Management 70th Annual Meeting, Saint George, UT. (29 January – 2 February 2017).
- Texas Section Society for Range Management Annual Meeting. Uvalde, TX. (11 – 13 October 2016).
- Texas Chapter of the Wildlife Society Annual Meeting. San Antonio, TX. (18 – 20 February 2016).
- Society for Range Management 69th Annual Meeting, Corpus Christi, TX. (31 January – 4 February 2016).
- Texas Section Society for Range Management Annual Meeting. Wichita Falls, TX. (7 – 9 October 2015).
- Society for Range Management 68th Annual Meeting, Sacramento, CA. (31 January – 4 February 2015).

Activities in Professional Societies

- *Society for Range Management:*
 - Organizer of the Symposium “New Geospatial Technologies for monitoring rangelands: What kind of questions can we ask now?” Annual meeting Section Society for Range Management. Minneapolis, Minnesota. 10 – 14 February 2019.
 - Moderator for the technical sessions “Wildlife and habitat management” and “Remote sensing and Technology”. 69th Society for Range Management Annual meeting, Corpus Christi, TX. 31 January – 4 February 2016.
 - Member of the Abstract Review Committee for the 69th Society for Range Management Annual meeting, Corpus Christi, TX. 31 January – 4 February 2016.
 - Co-organizer of the International symposium: “Livestock management in shrub-dominated semi-arid rangelands: a comparison of landscape histories and pattern use in the Mediterranean and Southwestern North America”. Society for Range Management (Louisville, Kentucky January 31st, 2008).
- *Texas Section Society for Range Management:*
 - Chair of the Publications Awards Committee. Annual Meeting Texas Section Society for Range Management. Victoria, Texas, 20 – 22 October 2021.
 - Chair of the Publications Awards Committee. Annual Meeting Texas Section Society for Range Management. Kerrville, Texas, 9 – 11 October 2019.
 - Co-Organizer of the workshop/technical tour “Advances in geospatial technologies: new tools, new questions” (Humberto L. Perotto-Baldivieso, Carlos Portillo, Robert Cox). Annual meeting Texas Section Society for Range Management. Lubbock, Texas, 10 – 12 October 2018.
 - Chair of the Don Pendleton Memorial Graduate student award oral presentations. Annual meeting Texas Section Society for Range Management. Lubbock, Texas, 10 – 12 October 2018.

- Chair of the Don Pendleton Memorial Graduate student award oral presentations. Annual meeting Texas Section Society for Range Management. San Angelo, Texas, 11 – 13 October 2017.
- Chair of the Don Pendleton Memorial Graduate student award oral presentations. Annual meeting Texas Section Society for Range Management. Uvalde, Texas, 11 – 13 October 2016.
- Youth Range Workshop Director. 62th Texas Section Society for Range Management Youth Range Workshop. 26 June – 1 July 2016. Junction, Texas.
- *Texas Chapter the Wildlife Society:*
 - Poster judge. Texas Chapter of The Wildlife Society. Montgomery, Texas, 21 – 23 February 2019.
 - Poster judge. Texas Chapter of The Wildlife Society. Dallas, Texas, 9 – 11 February 2018.
 - Oral presentation judge. Clarence Cottam Competition. Annual meeting Texas Chapter of The Wildlife Society. Dallas, Texas, 9 – 11 February 2018.
 - Poster judge. Texas Chapter of The Wildlife Society. San Antonio, Texas. 18-20 February 2016.
- *US – International Association for Landscape Ecology:*
 - Poster judge. US-IALE National meeting. Fort Collins, Colorado. 7 – 11 April 2019.
- *Other Professional Organizations*
 - Co-organizer of the Symposium: “The value of geospatial information for biodiversity conservation and ecological systems in Bolivia”. IV Bolivian Ecology Congress (Santa Cruz, Bolivia, June 4 – 6, 2014).
 - Member of the Scientific Committee for the First International Congress of Hydroclimatology (Cochabamba, Bolivia August 24 – 28, 2009).

Professional Service Activities (journal reviewer)

CKWRI Internal reviews

- Falk et al. (2020). Notice of release of Menard Germplasm purple threeawn.
- Reilley et al. (2020). Notice of release of oso germplasm hall’s panicum: selected class of natural germplasm.
- Tanner et al. (2020). An astronomical event reveals the role of landscapes as thermal moderators in an encroached grassland.
- Smith et al. (2019). Estimation of future native seed demand for restoration of oil and gas-energy sprawl in the Trans Pecos region of Texas.
- Couvillon et al. (2018). Home range, movements, and pallet use of *Gopherus berlandieri* from an Inland Population.
- Ortiz et al. (2018). Wild Birds in the Classroom: Evaluation of Student Affinity, Perceptions, and Attitudes in Response to an Experiential Curriculum.
- Lange et al. (2017). Impacts of wind energy on redhead in the laguna Madre.
- Krainyk et al. 2017). Habitat selection by mottled duck broods.
- Krainyk et al. (2017) Decision support tool: mottled duck habitat management and conservation in the Western Guld Coast.

- De La Torre et al. (2016). *Neospora caninum* in Axis and Fallow Deer in Northern Mexico.
- Crouch et al. (2016) Effects of Brush Reduction Northern Bobwhite Food and Habitat.

External reviews

- Agriculture and Forest meteorology
- Applied Sciences
- Climate Change
- Ecological Informatics
- Ecological Processes
- Ecology
- Ecosphere
- Environmental Sciences
- Forests
- Geosciences
- Hydrology and Earth systems Sciences
- ICES Journal of Marine Sciences
- IEEE Access
- International Journal of geographic Information science
- International Journal of Environmental Research and Public health
- Journal of Applied Geography
- Journal of Earth Science & Climatic Change
- Journal of Mammalogy
- Journal of Mountain Science
- Landscape Ecology
- Landscape and Urban Planning
- Natural hazards
- Plant Ecology
- Plants
- PLoSOne
- Rangeland Ecology and Management
- Regional Environmental Change
- Remote Sensing
- Remote Sensing of Environment
- Scientific Reports
- Subtropical Agriculture and Environments journal
- Sustainability
- The Philippine Agricultural Scientist
- Waterbirds
- Wildlife Society Bulletin

SERVICES ACTIVITIES

Membership on university, College and/or department Committees.

- Chair of the Search Committee for the Wildlife Disease Epidemiologist Faculty Position at CKWRI, Texas A&M University-Kingsville (2021)
- Chair of the CKWRI Data Management Committee (2020 – Present).
- Member of the College of Agriculture Tenure and Promotion Committee (2020 – present)
- Member of the Hispanic Faculty Council (2020 – Present).
- Member of the Search Committee for Chief Information Officer at Texas A&M University-Kingsville (2020).
- Member of the Texas A&M University-Kingsville Faculty Senate (2019 – 2021).
- Accessibility Committee: TAMUS Accessibility Conference 2019.
- Tenure and Promotion Software evaluation Committee (2019).
- International Studies and Programs Advisory Committee. Texas A&M University-Kingsville (2018 – Present).
- SRM accreditation Committee, Department of Animal Range and Wildlife Sciences (2017 – 2018).
- University Technology Advisory Committee. Texas A&M University-Kingsville (September 2015 – Present).
- University point of contact for ESRI, TerrSet, and ERDAS Imagine geospatial software (2015 – Present).

Service Activities outside the University

- Member of the Search Committee for the Digital Agriculture Faculty Position at Texas A&M Agrilife, Corpus Christi (2021)
- Site Based Decision Committee (2018 – present). Santa Gertrudis School, Kingsville, TX.
- Parent governor 2012 – 2013. Cranfield Church of England Academy, Cranfield, U.K.
- Participation in the Annual Board meeting for the Wildlife Program at the Southwest Texas Junior College (09/27/2015), Uvalde, TX.

HONORS AND AWARDS.

- 2021 Senior Faculty Research award. College of Agriculture, Natural Resources, and Human Sciences. Texas A&M University – Kingsville (U.S.)
- 2019 Outstanding Achievement Award. Texas Section Society for Range Management (U.S.)
- 2018 Junior Faculty Research award. College of Agriculture, Natural Resources, and Human Sciences. Texas A&M University – Kingsville (U.S.)
- 2015 Fellow of the Higher Education Academy (U.K.)
- 2012 Most Interactive Teacher. Student Lead Teaching Award – School of Applied Sciences. Cranfield University (U.K.).
- 2007 Alfred P. Sloan Mentor for Graduate scholarship program for Minorities (U.S.).
- 2005 Student Research Week Award. Texas A&M University (U.S.).
- 2003 Tom Slick Fellowship. College of Agriculture, Texas A&M University (U.S.).

- 2003 Springfield Fellowship. Department of Rangeland Ecology and Management, Texas A&M University (U.S.).
- 2003 Outstanding PhD Student. Department Rangeland Ecology and Management, Texas A&M University (U.S.).
- 2001 Certificate of Excellence, International Agriculture and Resource Management, Texas A&M University (U.S.).
- 2001 Student Research Week award. Texas A&M University (U.S.).
- 2000 Outstanding Teaching Award. Department of Forest Science. Texas A&M University (U.S.).
- 1998 FULBRIGHT Scholarship (U.S.).
- 1993 Agronomy Students Scientific Society Recognition (Bolivia).

OTHER PROFESSIONAL ACTIVITIES NOT COVERED ABOVE

- Associate Editor for Ecological Processes (2020 – present)
- Guest Editor for special issue (Remote Sensing; IF= 4.5) "Applications of Remote Sensing for Livestock and Grazing Land Management"
- Coordinator of the Bolivian Natural Resources Digital Center (<http://cdربولivia.org/index.htm>; 2004 – present).
- Member of the Review Panel (Review College) for the British Ecological Society. (2013 – Present).
- Grant reviewer for the Fonds de la Recherche Scientifique (F.R.N.S.) (Belgium, 2016 – Present).
- Grant reviewer for National Geographic (2017).
- External scientific reviewer. 2016. Ph.D. Dissertation. Facultad de Ciencias Agrarias, Universidad Nacional de Mar del Plata, Argentina.
- External examiner Ph.D. University of Antwerp (Belgium, 2012).
- USDA Grant proposal panel review member (2007 – 2008).
- Design and implementation of the Applied Landscape Ecology Laboratory (Uvalde, TX – 2007) and Geospatial Technologies Laboratory at CKWRI (Kingsville, TX – 2015).
- Member of the New faculty Investment Program at Texas A&M University – Kingsville (Completed program in May 2017).

GRADUATE AND UNDERGRADUATE STUDENTS

Current Students

Committee Chair

- Annalysa Camacho, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Lori Massey, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Jose S. Avila-Sanchez, Ph.D. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Chloe Bates, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville (Chair, Humberto L. Perotto-Baldivieso, Co-Chair, William Kuvlesky).
- Ed Rhodes, Ph.D. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville (Chair, Humberto L. Perotto-Baldivieso, Co-Chair, Evan Tanner).

Committee Co-Chair

- Sarah Jacobson, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville (Chair, Leonard Brennan; Co-chair, Humberto L. Perotto-Baldivieso).
- Jeff Goodwin, Ph.D. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville (Chair, Alfonso Ortega; Co-chair, Humberto L. Perotto-Baldivieso).

Committee Member

- Shelby Carter, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Rider Combs, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Alexandria DiMaggio, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Bethany Friesenhahn, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Megan Granger, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Mikayla House, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Kye Johnston, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Jose M. Mata, Ph.D. Department of Ecology and Conservation Biology, Texas A&M University.
- Zachary Pearson, Ph.D. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Katie Pennartz, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Delanie Slifka, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.

- Katherine Travis, M.S. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Abraham Woodard, Ph.D. candidate. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.

Former Students

Committee Chair

- Michael T. Page, M.S. 2021. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Alison Menefee, M.S. 2020. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville. (Chair, Humberto L. Perotto-Baldivieso, Co-Chair, William Kuvlesky).
- Justin Wied, M.S. 2019. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Darrion Crowley, M.S. 2019. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Jose M. Mata, M.S. 2017. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Dudek, Mihal, M.S. 2014. Department of Environmental Science and Technology, Cranfield University (U.K.).
- Kervroëdan, Léa, M.S. 2014. Department of Environmental Science and Technology, Cranfield University (U.K.).
- Springer, Justin, M.S. 2014. Department of Environmental Science and Technology, Cranfield University (U.K.).
- Baffour, Gifty, M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.)
- Brackenridge Iain, M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Chmura, Kaja M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.)
- Jablonksa Katarzyna, M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Mccausland, Katie, M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Patrone Samantha, M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Rosa Fernandez Manuel, M.S. 2013. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Arancibia Luisa, M.S. 2012. Departamento de Biología. Universidad Mayor de San Andrés (Bolivia).
- Aziz Sophie, M.S. 2012. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Bouffier Victor, M.S. 2012. Department of Environmental Sciences and Technology. Cranfield University (U.K.).

- Castillo, Miguel, M.S. 2012. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Nieto Carolina, M.S. 2012. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Tait Jessica, M.S. 2012. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Furlán José, M.S. 2011. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Eckhard, Karin, M.S. 2011. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Ceular Lourdes, M.S. 2011. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Tong Alexander, M.S. 2011. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Cheleuitte, Christopher, Ph.D. 2011. Ecosystem Science and Management, Texas A&M University (U.S.). (Chair, Humberto L. Perotto-Baldivieso, Co-Chair, X. Ben Wu).
- Brown Paul, M.S. 2010. Natural Resources Department, Cranfield University (U.K.).
- Denicolai Michael, M.S. 2010. Natural Resources Department, Cranfield University (U.K.).
- García G. Vicente, M.S. 2010. Natural Resources Department, Cranfield University (U.K.).
- Meyer Valentine, M.S. 2010. Natural Resources Department, Cranfield University (U.K.).
- Miriam Zemanova, M.S. 2010. Natural Resources Department, Cranfield University (U.K.).

Committee Co-Chair

- Jason V. Lombardi, Ph.D. 2020. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville. (Chair, Michael Tewes; Co-chair, Humberto L. Perotto-Baldivieso).
- Jihadi Faisar, M.Ag. 2009. Ecosystem Science and Management, Texas A&M University (U.S.). (Chair, X. Ben Wu; Co-chair, Humberto L. Perotto-Baldivieso).

Committee Member

- AnnMarie Blackburn, M.S. 2020. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Blanca Garza, M.ag. 2020. Department of Agriculture, Agribusiness and Environmental Sciences. Texas A&M University-Kingsville.
- Anthony Opatz, M.S. 2020. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Kristyn Stewart, M.S. 2020. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Jay A. Vonbank, Ph.D. 2020. Department of Range and Wildlife Sciences, Research proposal: Texas A&M University-Kingsville.
- Chase Walther, M.S. 2020. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Johnson Ajedegba, Ph.D. 2018. Department of Environmental Engineering, Texas A&M University-Kingsville.
- Victoria Haynes, M.S. 2018. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.

- Murali Megna, M. Ag. 2018. Department of Ecosystem and Management, Texas A&M University.
- Zachary Pearson, M.S. 2018. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Gael Sanchez, M.S. 2018. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Emily Wells, M.S. 2018. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Bradley Kubecka, M.S. 2017. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Heather Sanders, M.S. 2017. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Rachel Smith, M.S. 2017. Department of Range and Wildlife Sciences, Texas A&M University-Kingsville.
- Schnupp, Matthew, Ph.D. 2016. Department of Animal, Rangeland and Wildlife Science. Texas A&M University-Kingsville. (U.S.).
- Gay Marybeth, M.S. 2012. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Lopez Hanna, M.S. 2012. Department of Biology, University of Puerto Rico – Rio Piedras (Puerto Rico).
- Young, Dylan, M.S. 2011. Department of Environmental Sciences and Technology. Cranfield University (U.K.).
- Ku, Nian-Wei, M.S. 2011. Ecosystem Science and Management, Texas A&M University (U.S.).
- Rojas Julissa, Ph.D. 2010. Department of Biology, University of Puerto Rico (Puerto Rico).
- Dreibelbis Justin, M.S. 2008. Department of Wildlife and Fisheries Sciences, Texas A&M University (U.S.).

Undergraduate Mentorship:

Current students

- Joshua Allison
- Meghan Anderson
- Kaylee Lovejoy
- Dakota Moberg
- Amanda Montemayor
- Daniel Ramirez
- Melaine Ramirez

Former students

- Julia Burchsted
- Annalysa amacho
- David Campbell
- Hunter Carroll
- Victoria Cavazos
- Shae Diehl
- Zayda Flores

- Walter Gless
- Heather Hannusch
- Lori Massey
- Michael Page
- Taylor Shedd
- Taylor Trafford
- Joshua Vazquez