

# ANNA M. PIDGEON

Professor

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Department of Forest and Wildlife Ecology  
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## **PROFESSIONAL APPOINTMENTS**

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University of Wisconsin–Madison	
Full, Assoc., Assist. Professor, Dept. of Forest and Wildlife Ecology	2008 – 2019
Assoc., Asst. Scientist, Dept. of Forest Ecology and Management	2000 – 2008
Research Assistant, Department of Wildlife Ecology	1996 – 2000
Yakama Indian Reservation	
Wildlife Biologist	1993 – 1996
Central Washington University	
Teaching Assistant	1993 – 1994
University of Minnesota	
Community Programs Associate, Bell Museum of Natural History	1985 – 1993

## **EDUCATION**

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University of Wisconsin–Madison: Ph.D. in Wildlife Ecology	2000
Dissertation: “Avian abundance, productivity, and diversity in the northern Chihuahuan Desert, Fort Bliss, New Mexico.” Advisor: N. Matthews. PhD Committee: D. Mladenoff, C. Ribic, S. Temple, M. Turner	
Central Washington University, Ellensburg, Washington: M.S. in Biology	1995
Thesis: “Habitat characteristics of Northern Spotted Owls in the unmanaged forest of the Yakama Indian Reservation, Eastern Washington.” Advisor: S. Martin	
University of Minnesota: B.S. in Life Science Education	1989
University of Minnesota: B.S. in Wildlife Management	1985

## **HONORS**

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Elective Member, American Ornithologists’ Union	2016
Vilas Faculty Mid-Career Investigator Award	2016

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**PEER-REVIEWED JOURNAL ARTICLES**


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**IN REVIEW or REVISION**

- Olah, A., K. Grveles, S. Warner, D Lopez, C.A. Ribic, and A.M. Pidgeon. Kirtland's warbler territory and nest site selection and productivity in red pine-dominated breeding habitat in Wisconsin. *Condor*, in review after revision.
- Farwell, L. S., P. R. Elsen, E. Razenkova, A. M. Pidgeon, and V. C. Radeloff. Habitat heterogeneity captured by 30-m resolution satellite image texture predicts bird richness across the conterminous USA. *Ecological Applications*, in review after revision.
- \*Schilke, P.R., M. Bartrons, J.M. Gorzo, J Vander Zanden, C. Gratton, R.W. Howe, and A.M. Pidgeon. Emergent aquatic insects structure forest bird communities at a regional spatial extent. *Landscape Ecology*- in review after revision.

**PUBLISHED or IN PRESS****2020**

- Elsen, P. R., L. S. Farwell, A. M. Pidgeon, and V. C. Radeloff. Landsat 8 TIRS-derived temperature and thermal heterogeneity predict winter bird species richness patterns across the conterminous United States. *Remote Sensing of Environment*, 236: 111514.

**2019**

- Betts, M. G. C. Wolf, M. Pfeifer, C. Banks-Leite, V. Arroyo-Rodríguez, D. Bandini Ribeiro, J. Barlow, F. Eigenbrod, D. Faria, R. J. Fletcher Jr., A. S. Hadley, J. E. Hawes, R. D. Holt, B. Klingbeil, U. Kormann, L. Lens, T. Levi, G. F. Medina-Rangel, S. L. Melles, D. Mezger, J. C. Morante-Filho, C. David, L. Orme, C. A. Peres, B. T. Phalan, A. Pidgeon, H. Possingham, W. J. Ripple, E. M. Slade, E. Somarriba, J. h A. Tobias, J.M. Tylianakis, J. N. Urbina-Cardona, J. J. Valente, J.I. Watling, K. Wells, O. R. Wear, E. Wood, R. Young, R. M. Ewers. Extinction filters mediate the global effects of fragmentation. *Science* 336, 1236-1239.
- Razenkova, E., V. C. Radeloff, M. Dubinin, E. V. Bragina, M. Allen, M. K. Clayton, A. M. Pidgeon, L. M. Baskin, C. Nicholas, and M. L. Hobi. Vegetation productivity summarized by the Dynamic Habitat Indices explains patterns of moose abundance across Russia. *Scientific Reports*, in press.
- Rivera, L., S. Martinuzzi, N. Politi, S. Bardavid, S. de Bustos, A. M. Pidgeon, and V. C. Radeloff. Influence of national parks on habitat use by lowland tapirs (*Tapirus terrestris*) in the Southern Yungas of Argentina. *Oryx*, in press.
- Elsen, P. R., L. S. Farwell, A. M. Pidgeon, and V. C. Radeloff. Landsat 8 TIRS-derived temperature and thermal heterogeneity predict winter bird species richness patterns across the conterminous United States. *Remote Sensing of Environment*, 236: 111514.

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\* Indicates student or post-doc I advised

- Betts, M.G., C. Wolf, M. Pfeifer...A. M. Pidgeon...R. M. Ewers. (40 authors, in total). 2019. Extinction filters mediate the global effects of habitat fragmentation on animals. *Science* 366, 1236-1239.
- Politi, N., S. Martinuzzi, V. Miranda, S. Albanesi, P. Sardina-Aragon, P. Puechagut, V. C. Radeloff, A. M. Pidgeon, and L. Rivera. Conservation of the threatened and endemic Rufous-throated dipper, *Cinclus schultzi*, in Argentina. *Bird Conservation International*, doi:10.1017/S0959270919000467.
- Suttidate, N., M. Hobi, A. M. Pidgeon, P. D. Round, N. C. Coops, D. P. Helmers, N. Keuler, M. Dubinin, B. L. Bateman, and V. C. Radeloff. Tropical bird species richness is strongly associated with patterns of primary productivity captured by the Dynamic Habitat Indices. *Remote Sensing of Environment*, 232, 111306..
- Martinuzzi, S., A. Allstadt, A. M. Pidgeon, C. A Flather, W. Jolly, and V. C. Radeloff. Future changes in wildfire potential, spring droughts, and false springs across U.S. National Forests and Grasslands. *Ecological Applications* 29(5) e01904

## 2018

- McCabe, J., H. Yin, J. Cruz, V. C. Radeloff, A. M. Pidgeon, D. N. Bonter, and B. Zuckerberg. Urbanization and prey abundance influence the establishment of avian predators in a metropolitan landscape. *Royal Society Proc. B*, 285: 20182120
- \*Hamilton, C.H., B. Bateman, J. Gorzo, B. Reid, W. Thogmartin, M.Z. Peery, P. Heglund, V. Radeloff, and A.M. Pidgeon. Slow and steady wins the race? Future climate and land use change leaves the imperiled Blanding's turtle (*Emydoidea blandingii*) behind. *Biological Conservation* 222: 75-85.
- Sica, Y.V., G. I. Gavier-Pizarro, A. M. Pidgeon, A. Travaini, J. Bustamante, V. C. Radeloff, and R. D. Quintana. 2018. Changes in bird assemblages in a wetland ecosystem after 14 years of intensified cattle farming. *Austral Ecology* 43: 786-797.
- Munteanu, C., A.M. Pidgeon, and V.C. Radeloff. 2018. Bird conservation planning in light of long-term land use trends and conservation responsibility. *Biodiversity and Conservation* 27(8): 2051-2068.
- \*Bragina, E., A. R. Ives, A. M. Pidgeon, L. Balciuskas, S. Csányi; P. Khoyetskyy, K. Kysucka, J. Lieskovsky, J. Ozolins, T. Randveer, P. Stych, A. Volokh, C. Zhelev, E. Ziółkowska, and V. C. Radeloff. 2018. Wildlife population changes across Eastern Europe after the collapse of socialism. *Frontiers in Ecology and the Environment* 16(2): 77-81.
- Martinuzzi, S., L. Rivera, N. Politi, B. Bateman, E. Ruiz de Los Llanos, L. Lizarraga, M. S. de Bustos, S. Chalukian, A. M. Pidgeon, and V. C. Radeloff. 2018. Enhancing biodiversity conservation in existing land-use plans with widely available datasets and spatial analysis techniques. *Environmental Conservation*, firstview: <https://doi.org/10.1017/S0376892917000455>

## 2017

- Pfeifer M, V. Lefebvre, C.A. Peres, C. Banks-Leite, O. R. Wearn, C. J. Marsh, S. H. M. Butchart, V. Arroyo-Rodríguez, J. Barlow, A. Cerezo, L. Cisneros, N. D’Cruze, D. Faria, A. Hadley, S. Harris, B. T. Klingbeil, U. Kormann, L. Lens, G. F. Medina-Rangel, J. C. Morante-Filho, P. Olivier, S. Peters, A. Pidgeon, D. B. Ribeiro, C. Scherber, L. Schneider-Maunory, M. Struebig, N. Urbina-Cardona, J. I. Watling, M. R. Willig, E. M. Wood, R. M. Ewers. 2017. Global creation of forest edges has a near- universal impact on forest vertebrates. *Nature*, 551:187-191.
- Hobi, M, M. Dubinin, C.H. Graham, N.C. Coops, M.K. Clayton, A.M. Pidgeon, and V.C. Radeloff. 2017. A comparison of the Dynamic Habitat Indices derived from different MODIS products as predictors of avian species richness. *Remote Sensing of Environment* 195: 142-152.
- \*Persche, M.E., M.J. Mossman, M.A. Henschell, and A.M. Pidgeon. Nest site and post-fledging habitat associations of Acadian Flycatchers, *Empidonax vireescens*, in the Baraboo Hills. *Passenger Pigeon* 79(1):7-16.
- Shchur, A., E. Bragina, A. Sieber, A. M. Pidgeon, and V. C. Radeloff. Monitoring selective logging with Landsat satellite imagery reveals that protected forests in Western Siberia experience greater harvest than non-protected forests. *Environmental Conservation* 44(2): 191-199.
- \*Burnham, J., J. Barzen, A. M. Pidgeon, B. Sun, J. Wu, G. Liu, and H. Jiang. 2017. Novel foraging by wintering Siberian Cranes *Lucoggeranus leucogeranus* at China’s Poyang Lake indicates broader changes in the ecosystem and raises new challenges for a critically endangered species. *BirdLife International* 227:204-223.

## 2016

- \*Bateman, B.L., A. M. Pidgeon, V. C. Radeloff, C. H. Flather, J. VanDerWal, H. R. Akcakaya, W.E. Thogmartin, T.P. Albright, S.J. Vavrus, and P. J. Heglund. 2016. Potential breeding distributions of U.S. birds predicted with both short-term variability and long-term average climate data. *Ecological Applications* 26: 2718-2729.
- \*Hamilton, C., M. Baumann, A. M. Pidgeon, D. P. Helmers, W. E. Thogmartin, P. J. Heglund, and V. C. Radeloff. 2016. Past and predicted future effects of housing growth on conservation opportunity areas and habitat connectivity around National Wildlife Refuges. *Landscape Ecology* 31: 2175-2186.
- \*Beaudry, F., M. C. Ferris, A. M. Pidgeon, and V. C. Radeloff. 2016. Identifying areas of optimal multispecies conservation value by accounting for incompatibilities between species. *Ecological Modelling* 332: 74-82.
- \*Bateman, B. L., A. M. Pidgeon, V. C. Radeloff, J. VanDerWal, W. E. Thogmartin, S. J. Vavrus, and P. J. Heglund. 2016. The pace of past climate change versus potential bird distributions and land use in the U.S. *Global Change Biology*, 22(3): 1130-1144.

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- Ryu, H.Y., K. Shoemaker, E. Kneip, A. Pidgeon, P. Heglund, \*B. Bateman, W. Thogmartin, H.R. Akcakaya. 2016. Developing population models with data from marked individuals. *Biological Conservation* 197: 190-199.
- \*Gorzo, J.M., A.M. Pidgeon, W.E. Thogmartin, A.J. Allstadt, V.C. Radeloff, P.J. Heglund, and S.J. Vavrus. 2016. Using the North American Breeding Bird Survey to assess broad-scale response of the continent's most imperiled avian community to weather variability. *Condor* 118:502-512.
- Martinuzzi, S., A.J. Allstadt, B.L. Bateman, P.J. Heglund, A.M. Pidgeon, W.E. Thogmartin, S.J. Vavrus, V.C. Radeloff. 2016. Future frequencies of extreme weather events in National Wildlife Refuges across the conterminous U.S. *Biological Conservation*. *Biological Conservation* 201:327-335.

## 2015

- Radeloff, V. C., J. W. Williams, B. L. Bateman, K. D. Burke, S. K. Carter, E. S. Childress, K. J. Cromwell, C. Gratton, A. O. Hasley, B. M. Kraemer, A. W. Latzka, E. Marin-Spiotta, C. D. Meine, S. E. Munoz, T. M. Neeson, A. M. Pidgeon, A. R. Rissman, R. J. Rivera, L. M. Szymanski, J. Usinowicz. 2015. The rise of novelty in ecosystems. *Ecological Applications*, 25(8):2051-2068.
- \*Wood, E. M., and A. M. Pidgeon. 2015. Extreme variations in spring temperature affect ecosystem regulating services provided by birds during migration. *Ecosphere*, 6(11):1-16.
- \*Wood, E. M. and A. M. Pidgeon. 2015. Climatic extremes influence spring tree phenology and migratory songbird foraging behavior. Pages 117-131 *in* Wood, E.M. and J. L. Kellermann, (editors). Phenological Synchrony and Bird Migration: Changing climate and seasonal resources in North America. *Studies in Avian Biology* (no. 47) CRC Press, Boca Raton, FL.
- Pidgeon, A. M., L. Rivera, S. Martinuzzi, N. Politi, and B. Bateman. 2015. Will representation targets based on area protect critical resources for conservation of the Tucumán Parrot? *Condor*, 117: 503-517.
- \*Wood, E. M., A. M. Pidgeon, V. C. Radeloff, D. Helmers, P. D. Culbert, N. S. Keuler, and C. H. Flather. 2015. Long-term avian community response to housing development at the boundary of U.S. protected areas: effect size increases with time. *Journal of Applied Ecology*, 52(5): 1227-1236.
- \*Allstadt, A. J. S. J. Vavrus, P. J. Heglund, A. M. Pidgeon, W. E. Thogmartin, and V. C. Radeloff. 2015. Spring plant phenology and false springs in the conterminous U.S. during the 21<sup>st</sup> century. *Environmental Research Letters*, 10(104008): 1-24.
- \*Carter, S.K., S.R., Januchowski-Hartley, J.D. Pohlman, T.L. Bergeson, A.M. Pidgeon, and V.C. Radeloff. 2015. An evaluation of environmental, institutional, and socio-

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- economic factors explaining successful conservation plan implementation in the north-central United States. *Biological Conservation*, 192:135-144.
- Bellis, L. M., A. M. Pidgeon, C. Alcantara, S. Dardanelli, and V.C. Radeloff. 2015. Influences of succession and erosion on bird communities in a South American highland wooded landscape. *Forest Ecology and Management*, 349:85-93.
- \*Bateman, B., A. M. Pidgeon, V. C. Radeloff, A. J. Allstadt, H. R. Akcakaya, W. E. Thogmartin, S. J. Vavrus, and P. J. Heglund. 2015. The importance of range edges for an irruptive species during extreme weather events. *Landscape Ecology*, 30(6): 1095-1110.
- Georgian, E., F. Zhendong, E. Emshwiller, and A. M. Pidgeon. 2015. The pollination ecology of *Rhododendron floccigerum* Franchet (Ericaceae) in Weixi, Yunnan Province, China. *Journal of Pollination Ecology*, 16(11): 72-81.
- Martinuzzi, S., J. C. Withey, A. M. Pidgeon, A. J. Plantinga, A. A. McKerrow, S. G. Williams, D. P. Helmers, and V. C. Radeloff. 2015. Future land-use scenarios and the loss of wildlife habitat in the southeastern U.S. *Ecological Applications*, 25(1): 160-171.
- \*Bragina, E. V., A. R. Ives, A. M. Pidgeon, T. Kuemmerle, L. M. Baskin, Y. P. Gubar, M. Piquer-Rodriguez, N. S. Keuler, V. G. Petrosyan, and V. C. Radeloff. 2015. Rapid declines of large mammal populations after the collapse of the Soviet Union. *Conservation Biology*, 29(3): 844-853.
- \*Bragina, E., V. C. Radeloff, M. Baumann, K. Wendland, T. Kuemmerle, A. M. Pidgeon. 2015. Effectiveness of protected areas in the Western Caucasus before and after the transition to post-socialism. *Biological Conservation*, 184: 456-464.
- \*Hamilton, C. M., W. E. Thogmartin, V. C. Radeloff, A. J. Plantinga, P. J. Heglund, S. Martinuzzi, and A. M. Pidgeon. 2015. Change in agricultural land use constrains adaptation of National Wildlife Refuges to climate change. *Environmental Conservation*, 42(1): 12-19.
- \*Wood, E.M., J.S. Brandt, A.M. Pidgeon, V.C. Radeloff. 2015. Habitat-occupancy associations and tree-species use patterns by breeding birds in Tibetan sacred forests. *Biological Conservation*, 24:129-148.
- Neumann, W., S. Martinuzzi, A. B. Estes, A. M. Pidgeon, H. Dettki, G. Ericsson, and V.C. Radeloff. Opportunities for the application of advanced remotely sensed data in ecological studies of terrestrial animal movement. *Movement Ecology*, 3:8

## 2014

- \*Wood, E.M., A.M. Pidgeon, V.C. Radeloff, D. Helmers, P.D. Culbert, N.S. Keuler, and C.H. Flather. 2014. Housing development erodes avian community structure in U.S. protected areas. *Ecological Applications*, 24(6): 1445-1462.
- Pfeifer M., V. Lefebvre, L. Baeten, C. Banks-Leite, J. Barlow, M. G. Betts, J. Brunet, A. Cerezo, L. M. Cisneros, S. Collard, N. D’Cruze, C. da Silva Motta, S. Duguay, H. Eggermont, F. Eigenbrod, T. A. Gardner, A. S. Hadley, T. R. Hanson, J. E. Hawes, T. Heartsill Scalley, B. T. Klingbeil, A. Kolb, U. Kormann, S. Kumar, T. Lachat, P. Lakeman Fraser, V. Lantschner, W. F. Laurance, L. Lens, C. J. Marsh, G. F. Medina-Rangel, S. Melles, D. Mezger, W. L. Overall, C. Owen, C. A. Peres, B. Phalan, A.M. Pidgeon, O. Pilia, H.P. Possingham, M.L. Possingham, D.C. Raheem, D.B. Ribeiro, W. Robinson, R. Robinson, T. Rytwinski, C. Scherber, E.M. Slade, E. Somarriba, P.C. Stouffer, M.J. Struebig, J.M Tylianakis, T. Tschardtke, A.J. Tyre, J.N Urbina Cardona, H.L. Vasconcelos, K. Wells, M.R. Willig, \*E. Wood, R.P. Young, A.V. Bradley, R.M. Ewers. 2014. BIOFRAG- a new database for analyzing BIOdiversity responses to forest FRAGmentation. *Ecology and Evolution*, 4 (9):1524-1536.
- \*Carter, S. K., N. S. Keuler, A. M. Pidgeon, and V. C. Radeloff. 2014. Evaluating the influence of conservation plans on land protection actions in Wisconsin, USA. *Biological Conservation* 178: 37-49.
- Pidgeon, A. M. C. H. Flather, V. C. Radeloff, C. A. Lepczyk, N. S. Keuler, \*E. M. Wood, S. I. Stewart, and R. B. Hammer. 2014. Systematic temporal patterns in the relationship of housing development with forest bird diversity. *Conservation Biology*, 28(5): 1291-3101.
- \*St-Louis, V., A. M. Pidgeon, T. Kuemmerle, R. Sonnenschein, V. C. Radeloff, M. K. Clayton, B. Locke, D. Bash, and P. Hostert. 2014. Modeling avian biodiversity using raw, unclassified satellite imagery. *Philosophical Transactions of the Royal Society B*, 369(1643):20130197
- \*Carter, S. K., J. D. Pohlman, T. L. Bergeson, C. M. Hamilton, A. M. Pidgeon and V. C. Radeloff. 2014. Adding value to existing conservation plans using projected housing growth. *Landscape and Urban Planning*, 126:10-20.

## 2013

- \*Wood, E. M., M. D. Johnson, R. D. Jackson, and A. M. Pidgeon. 2013. Avian community use and occupancy of California oak savanna. *Condor*, 115(4): 712-724.
- \*Wood, E. M., A. M. Pidgeon, V. C. Radeloff, and N. Keuler. 2013. Image texture predicts avian density and species richness. *PLoS ONE*, 8(5): e63211.
- \*Beaudry, F., V. C. Radeloff, A. M. Pidgeon, A. J. Plantinga, D. J. Lewis, D. Helmers, and V. Butsic. 2013. The loss of forest bird habitat under different land use policies as projected by a coupled ecological-econometric model. *Biological Conservation*, 165: 1-9.

- Brandt, J., \*E.M. Wood, A. M. Pidgeon, L Han, Z. Fang, and V. C. Radeloff. 2013. Sacred forests are keystone structures for forest bird conservation in southwest China's Himalayan Mountains. *Biological Conservation*, 166: 34-42.
- \*Hamilton, C. M., S. Martinuzzi, A. J. Plantinga, V. C. Radeloff, D. J. Lewis, W. E. Thogmartin, P. J. Heglund, and A. M. Pidgeon. 2013. Current and future land use around a nationwide protected area network. *PLoS ONE*, 8(1): e55737.
- Lepczyk, C. A., A. Wunnicke, V. C. Radeloff, C. H. Flather, and A. M. Pidgeon. 2013. Using housing growth to estimate habitat change: detecting Ovenbird response in a rapidly growing New England state. *Urban Ecosystems*, 16: 499-510.
- Rivera, L., N. Politi, E. H. Bucher, and A. M. Pidgeon. 2013. Nesting success and productivity of Tucuman Parrots (*Amazona tucumana*) in high-altitude forests of Argentina: do they differ from lowland Amazona parrots? *Emu*, 114(1): 41-49.
- Radeloff, V. C., F. Beaudry, T. M. Brooks, V. Butsic, M. Dubinin, T. Kuemmerle, and A.M. Pidgeon. 2013. Hot moments for biodiversity conservation. *Conservation Letters*, 6: 58-65.
- Culbert, P.D., V. C. Radeloff, C. H. Flather, J. M. Kelndorfer, C. D. Rittenhouse, and A. M. Pidgeon. 2013. The influence of vertical and horizontal habitat structure on nationwide patterns of avian biodiversity. *Auk* 130(4): 656-665.

## 2012

- \*Wood, E. M., A. M. Pidgeon, F. Liu, and D. J. Mladenoff. 2012. Birds see the trees inside the forest: The potential impacts of changes in forest composition on songbirds during spring migration. *Forest Ecology and Management*, 280: 176-186.
- Butsic, V., V. C. Radeloff, T. Kuemmerle, A. M. Pidgeon. 2012. Analytical solution to the land-sparing vs. land sharing debate considering alternative biodiversity responses. *Conservation Biology*, 26(5): 883-893.
- \*Wood, E. M., A. M. Pidgeon, V. C. Radeloff, and N. S. Keuler. 2012. Image texture as a remotely sensed measure of vegetation structure. *Remote Sensing of Environment*, 121: 516-526.
- \*Rittenhouse, C. D., Pidgeon, A. M., \*Albright, T.P., Culbert, P. D., Clayton, M.K., Flather, C.H., Masek, J., and V.C. Radeloff. 2012. Landcover change and avian diversity in the conterminous United States. *Conservation Biology*, 26(5): 821-829.
- Bar Massada, A., \*E. M. Wood, A. M. Pidgeon, and V. C. Radeloff. 2012. Complex effects of scale on the relationship of landscape patterns versus avian species richness and community structure in a woodland savanna mosaic. *Ecography*, 35(5): 393-411.
- \*St-Louis, V., M. K. Clayton, A. M. Pidgeon, and V. C. Radeloff. 2012. An evaluation of prior influence on the predictive ability of Bayesian Model Averaging. *Oecologia*, 168(3): 719-128.
- Culbert, P. D., V. C. Radeloff,\*V. St-Louis, C. H. Flather, \*C. D. Rittenhouse, \*T.P. Albright, and A. M. Pidgeon. 2012. Modeling broad-scale patterns of avian species

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\* Indicates student or post-doc I advised



richness across the Midwestern United States with measures of satellite image texture. *Remote Sensing of Environment*, 118: 140-150.

#### 2011

- \*Wood, E. M., A. M. Pidgeon, C. Gratton, and T. T. Wilder. 2011. Effects of oak barrens habitat management for Karner blue butterfly (*Lycaeides melissa samuelis*) on the avian community. *Biological Conservation*, 144:3117-3126.
- \*Lesak, A., V. C. Radeloff, T. J. Hawbaker, A. M. Pidgeon, T. Gobakken, and K. Contrucci. 2011. Modeling forest songbird species richness using LiDAR-derived measures of forest structure. *Remote Sensing of Environment*, 115(11): 2823-2835.
- \*Beaudry, F., A. M. Pidgeon, D. J. Mladenoff, R. Howe, G. Bartelt, and V. C. Radeloff. 2011. Optimizing regional conservation planning for forest birds. *Journal of Applied Ecology*, 48(3): 726-235.
- \*Albright, T. P., A.M. Pidgeon, \*C. D. Rittenhouse, M. K. Clayton, C. H. Flather, P.D.Culbert, V.C. Radeloff. 2011. Heat waves measured with MODIS land surface temperature data predict changes in avian community structure. *Remote Sensing of Environment*, 115: 245-254.

#### 2010

- \*Albright, T.P., A. M. Pidgeon, \*C. D. Rittenhouse, M .K. Clayton, B. D. Wardlow, C. H. Flather, P. D.Culbert, V. C. Radeloff. 2010. Combined effects of heat waves and droughts on avian communities across the conterminous United States. *Ecosphere*, 1(5): article 12.
- \*Beaudry, F., A.M. Pidgeon, V.C. Radeloff, R.W. Howe, D.J. Mladenoff, G.A. Bartelt. 2010. Modeling regional-scale habitat of forest birds when land management guidelines are needed but information is limited. *Biological Conservation*, 143: 1759-1769.
- \*Rittenhouse, C.D., A.M. Pidgeon, † T.P. Albright, P.D. Culbert, M.K. Clayton, C.H. Flather, C. Huang, J.G. Masek, S.I. Stewart, and V.C. Radeloff. 2010. Conservation of forest birds: Evidence of a shifting baseline in community structure. *PLoS One*, 5(8):1-9.
- \*Albright, T.P., A. M. Pidgeon, \*C.D. Rittenhouse, M.K. Clayton, C.H. Flather, P.D. Culbert, B.D. Wardlow, and V.C. Radeloff. 2010. Effects of drought on avian community structure. *Global Change Biology* 16: 2158-2170.
- \*St-Louis, V., A.M. Pidgeon, M.K. Clayton, B.A. Locke, D. Bash, V.C. Radeloff. 2010. Habitat variables explain Loggerhead Shrike occurrence in the northern Chihuahuan Desert, but are poor correlates of fitness measures. *Landscape Ecology*, 25:643-654
- \*Rittenhouse, C.D., A.M. Pidgeon, †T.P. Albright, P.D. Culbert, M.K. Clayton, C.H. Flather, C. Huang, J. G. Masek and V. C. Radeloff. 2010. Avifauna response to

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\* Indicates student or post-doc I advised

hurricanes: Regional changes in community similarity. *Global Change Biology*, 16: 905-917.

Radeloff, V.C., S.I. Stewart, T.J. Hawbaker, U. Gimmi, A.M. Pidgeon, C.H. Flather, R.B. Hammer, and D.P. Helmers. 2010. Housing growth in and near United States protected areas limits their conservation value. *Proceedings of the National Academy of Sciences*, 107(2): 940-945.

#### 2009

Culbert, P.D., A.M. Pidgeon, †V. St-Louis, D. Bash, and V.C. Radeloff. 2009. The impact of phenological variation on texture measures of remotely sensed imagery. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 2(4):299-309.

\*St-Louis, V., A.M. Pidgeon, M.K. Clayton, B.A. Locke, D. Bash, and V.C. Radeloff. 2009. Satellite image texture and a vegetation index predict avian biodiversity in the Chihuahuan Desert of New Mexico. *Ecography*, 32:468-480.

Coops, N.C., R.H. Waring, M.A. Wulder, A.M. Pidgeon, and V.C. Radeloff. 2009. Bird diversity: a predictable function of satellite-derived estimates of seasonal variation in canopy light absorbance across the United States. *Journal of Biogeography* 36, 905-918.

#### 2008

Bellis, L.M., A.M. Pidgeon, V.C. Radeloff, J.L. Navarro, and M.B. Martella. 2008. Modelling habitat suitability for the endangered Greater Rhea (*Rhea americana*) in central Argentina based on satellite image texture. *Ecological Applications*, 18(8) 1956-1966.

Lepczyk, C.A., C.H. Flather, V.C. Radeloff, A.M. Pidgeon, R.B. Hammer and J. Liu. 2008. Human impacts on regional avian diversity and abundance. *Conservation Biology*, 22(2):405-416.

Rowhani, P., C.A. Lepczyk, M. Linderman, A.M. Pidgeon, V.C. Radeloff, P.Culbert, and E. Lambin. 2008. Variability in energy influences avian distribution patterns across the U.S.A. *Ecosystems*, 11:854-867.

#### 2007

Pidgeon, A.M., V.C. Radeloff, C.H. Flather, C.A. Lepczyk, M.K. Clayton, and R.B. Hammer. 2007. Associations of forest bird species richness with housing and landscape patterns across the USA. *Ecological Applications* 17(7): 1989-2010.

#### 2006

Pidgeon, A.M., V.C. Radeloff, and N.E. Matthews. 2006. Contrasting measures of fitness to classify habitat quality for the black-throated sparrow (*Amphispiza bilineata*). *Biological Conservation* 132(2): 199-210.

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\* Indicates student or post-doc I advised

\*St-Louis, V., A.M. Pidgeon, V.C. Radeloff, T.J. Hawbaker, and M.K. Clayton. 2006. Texture in high-resolution remote sensing images as a predictor of bird species richness. *Remote Sensing of Environment* 105(4): 299-312.

#### 1999-2005

Schulte, L.A., A.M. Pidgeon, and D.J. Mladenoff. 2005. One Hundred Fifty years of change in forest bird habitat: comparing historical and current data to estimate species distributions in Wisconsin. *Conservation Biology*, 19(6): 1944-1956.

Pidgeon, A.M., V.C. Radeloff, and N.E. Mathews. 2003. Landscape scale patterns of Black-throated Sparrow (*Amphispiza bilineata*) abundance and nest success. *Ecological Applications* 13(2): 530-542.

Pidgeon, A.M., N.E. Mathews, R. Benoit, E.V. Nordheim. 2001. Response of avian communities to historic habitat change in the northern Chihuahuan Desert. *Conservation Biology*, 15(6):1772-1788.

Radeloff, V.C., A.M. Pidgeon, and P. Hostert. 1999. Habitat and population modeling of roe deer using an interactive geographical information system. *Ecological Modelling* 114(2-3):295-312.

#### OTHER PEER-REVIEWED PUBLICATIONS

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Pidgeon, A.M., L.A. Schulte, and D.J. Mladenoff. 2005. Pre-European distribution of the Pine Warbler, *Dendroica pinus*, in Wisconsin; a tool for setting regional conservation priorities. *In*: Ralph, C. J. and T. D. Rich, editors. Bird Conservation Implementation and Integration in the Americas: Proceedings of the Third International Partners in Flight Conference 2002. Gen. Tech. Rep. PSW-GTR-191. Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture.

#### SPONSORED FELLOWSHIPS

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Schilke, P. NSF Integrative Graduate Education and Research Traineeship	2017-2018
Hannah, A. NSF Graduate Research Fellowship.	2015-2020
Persche, M. UW-Madison Holstrom Environmental Scholarship. Quantifying physiological stress of nesting Acadian Flycatchers ( <i>Empidonax virescens</i> ) in response to recreational trails and trail use.	2014-2015
Schilke, P. NSF Graduate Research Fellowship.	2012-2017
Burnham, J. NSF Integrative Graduate Education and Research Traineeship	2009-2010
Elsmo, E. UW-Madison Holstrom Environmental Scholarship. Effect of Recreational Trails on Song Bird Breeding Success in Wisconsin Forests.	2007

#### INVITED PRESENTATIONS

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\* Indicates student or post-doc I advised

- Olah, A, K. Grveles, S. Warner, D. Lopez, C. Ribic, and A.M. Pidgeon. Kirtland's warbler territory and nest site selection and productivity in novel breeding habitat: red pine dominated plantations in Wisconsin. Kirtland's warbler conservation team meeting. April 2-3, 2019, Grayling, MI
2019. Radeloff, V. C., P. Elsen, L. Farwell, D. Gudex-Cross, E. Razenkova, A. Pidgeon, and P. Hostert. Landsat data for biodiversity science and conservation. *USGS Landsat Science Team Meeting 18-20 2019. EROS Data Center, Sioux Falls South Dakota.*
2019. A. M. Pidgeon, S. Martinuzzi, P. Elsen, N. Politi, L. Rivera, L. R. Lizarraga, G. Martinez Pastur, and V. C. Radeloff. Modeling endangered species' forest habitats, and updating forest land use plans in Argentina in support of the UN Sustainable Development Goals. *The NASA Biodiversity Science Team Meeting, May 21-23 2019, Washington, DC.*
2018. Radeloff, V. C., A. M. Pidgeon, and P. Hostert. Landsat data for biodiversity science and conservation. *Landsat Science Team Meeting, February 21-22 2018, EROS Data Center, South Dakota.*
2017. Pidgeon, A.M. Environmental change, novelty, and bird communities. Plenary talk. *XII Chilean Ornithological Congress Santa Cruz, Chile, 23 November 2017.*
2017. Radeloff, V. C., M. Hobi, , M. Dubinin, E. Razenkova, A. M. Pidgeon, and L. Zhu. 2017. Testing the Dynamic Habitat Indices from MODIS for biodiversity and conservation science. *The NASA Biodiversity Science Team Meeting, May 23-25 2017, Washington, DC.*
2017. Zuckerberg, B., J.D. McCabe, H. Yin, J. Cruz, A. Pidgeon, D. Bonter, and V. Radeloff. (2017). Re-wilding urban environments: The environmental context and ecological consequences of returning avian predators. *NASA Biodiversity and Ecological Forecasting Team Meeting. Washington, DC.*
2016. Pidgeon, A.M. Urbanization Effects on Birds. *Universidad de Chile, Santiago, Chile. 28 August, 2016.*
2016. Allstadt, A., J. Gorzo, B. Bateman, A. Pidgeon, W. Thogmartin, P. Heglund, S. Vavrus, and V. C. Radeloff. Effects of extreme weather on avian populations across the United States. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Bateman, B. A. Pidgeon, V. Radeloff, A. Allstadt, C. Flaterh, W. Thogmartin, R. Akcakaya, T. Albright, S. Vavrus, and P. Heglund. Forecasting change in bird distributions in National Wildlife Refuges and National Forests. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Hamilton, C. M. Baumann, A. Pidgeon, W. Thogmartin, P. Heglund, and V. Radeloff. Past and predicted future effects of housing growth on open space conservation and habitat connectivity around National Wildlife Refuges. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Heglund, P., A. Pidgeon, B. Bateman, V. Radeloff, S. Vavrus, R. Akcakaya, C. Flather, W. Thogmartin, A. Allstadt, T. Albright, S. Martinuzzi, and J. Gorzo. Thinking like mountains: Using environmental change science to protect native biodiversity. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Heglund, P., A. Pidgeon, V. Radeloff, S. Vavrus, W. Thogmartin, R. Akcakaya, T. Albright, A. Allstadt, B. Bateman, C. Flather, J. Gorzo, A. Venegas, R. Behnke, and H.Y. Rhu.

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\* Indicates student or post-doc I advised

- Forecasting change: Examining the effects of extreme weather on birds. U.S. Fish and Wildlife Service Climate Practitioners' Forum. 6-10 June 2016 National Conservation Training Center, Shepherdstown, WV
2016. Martinuzzi, S., A. Allstadt, B. Bateman, P. Heglund, A. Pidgeon, W. Thogmartin, S. Vavrus, and V. C. Radeloff. Future changes in extreme weather across U.S. Wildlife Refuges. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Martinuzzi, M., AJ Allstadt, BL Bateman, PJ Heglund, AM Pidgeon, WE Thogmartin, SJ Vavrus, and VC Radeloff. Future frequencies of extreme weather events in National Wildlife Refuges across the conterminous U.S. U.S. Fish and Wildlife Service Climate Practitioners' Forum. 6-10 June 2016 National Conservation Training Center, Shepherdstown, WV
2016. Pidgeon, A., V. Radeloff, C. Flather, A. M. Venegas Castro, B. Bateman, S. Vavrus, A. Allstadt, J. Gorzo, S. Martinuzzi, and P. Heglund. Evaluating change in bird populations in response to climate change. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Radeloff, V. C, and S. Martinuzzi. Future land use change in the United States. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Venegas Castro, A. M., W. Thogmartin, N. Keuler, V. Radeloff, and A. Pidgeon. Effects of extreme weather events on passerine productivity under different levels of forest fragmentation in the Northeastern United States. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
- 2015 Pidgeon, A.M. From trails to global climate: Bird responses and the implications for Protected Areas. University of Nevada-Reno Fall Colloquium in Ecology, Evolution, and Conservation Biology. 12 November 2015.
- 2015 Pidgeon, A.M. Conservation insights gleaned from birds. Wisconsin Ecology Fall Symposium. Madison Ecology Group Fall Symposium. 14 September 2015.
- 2015 Pidgeon, A.M., B. Bateman, A. Allstadt, A.M. Venegas, S. Vavrus, C. Flather, V. Radeloff, W. Thogmartin, and P. Heglund. The effects of extreme weather on birds: Data, tools, and insights for conservation. Invited as part of the symposium: Severe weather impacts on birds: Past, Present, Future. Annual meeting of *the American Ornithologists' Union and the Cooper Ornithological Society*, Norman Oklahoma 28 July-Aug 2 2015.
- 2015 Gorzo, J., A.M. Pidgeon, W.T. Thogmartin, A. Allstadt, V.C. Radeloff. Grassland bird response to weather in the Badlands and Prairies. Invited as part of the symposium: North American Breeding Bird Survey: Management and Analysis of Stop-level Data. Annual meeting of the *American Ornithologists' Union* and the *Cooper Ornithological Society*, Norman Oklahoma 28 July-Aug 2 2015.
- 2014 Pidgeon, A. M. and V. C. Radeloff. Conservation: it's about time. Invited Lecture at the Headquarters of the Wildlife Conservation Society, 4 August 2014, Bronx, New York.
2013. Pidgeon, A. M., Heglund, P., A. Allstadt, B. Bateman, V. C. Radeloff, S. J. Vavrus, R. Akcakaya, W. Thogmartin, C. H. Flather, T. P. Albright, J. Gorzo. The effects of extreme climate events on avian demographics: The role of habitat refugia in mitigating climate change effects; year 2. *NASA Biodiversity Science Team Meeting*, Arlington, VA. 4 March 2013

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\* Indicates student or post-doc I advised

2013. Flather, C.H., A.M. Pidgeon (presenter). Using the North American Breeding Bird Survey in landscape assessments to support Forest Service planning. Invited as part of the symposium: North American Breeding Bird Survey Research Symposium. Joint meeting of American Ornithologists' Union and the Cooper Ornithological Society Chicago, IL
2013. Bateman, B. L., J.M. Gorzo, A.M. Pidgeon, V.C. Radeloff, H.R. Akcakaya, C.H. Flather, T.P. Albright, S.J. Vavrus, W. Thogmartin, and P. Heglund. 2013. Use of multiple data sources in identifying drivers of abundance of an irruptive species, the Dickcissel (*Spiza americana*). Invited as part of the symposium: North American Breeding Bird Survey Research Symposium. 131<sup>st</sup> Meeting of the American Ornithologists Union Chicago, IL. 14 August 2013
2013. Bateman, B. L., A.M. Pidgeon, J.M. Gorzo, A. J. Allstadt, P. D. Culbert, H.R. Akcakaya, C.H. Flather, T.P. Albright, S.J. Vavrus, V.C. Radeloff, W.E. Thogmartin, and P.J. Heglund. The importance of peripheral ranges during extreme events. Invited as part of symposium: Predicting synergistic impacts under Climate Change. 20<sup>th</sup> Annual Conference of The Wildlife Society. Milwaukee, WI. 8 October 2013.
2012. Wood, E. M., and A. M. Pidgeon. 2012. Variations in climate affect ecosystem provisioning services provided by birds during spring migration. Migratory Stopover Phenology Symposium, North American Ornithological Conference, Vancouver, BC.
2012. Pidgeon, A. M., B. Bateman, E. M. Wood, S. Vavrus, C.H. Flather, T. P. Albright, V. C. Radeloff. Do existing protected areas adequately buffer birds from the effects of extreme climate events? ? Invited as part of symposium: Synergistic effects of climate and land-use change. 2012 Conference of The Wildlife Society. Portland, OR. 15 October 2012.
2012. Hamilton, C.M., S. Martinuzzi, P. Heglund, W. Thogmartin, D.P. Helmers, A.M. Pidgeon, and V.C. Radeloff. Projections of land use change around the National Wildlife Refuges. Upper Midwest and Great Lakes Landscape Conservation Cooperative Webinar.
2012. Wood, E. M., and A. M. Pidgeon. Oak (*Quercus* spp.) flowering phenology is a proximate cue for migratory songbirds to the availability of food resources. Phenology 2012 Conference, Milwaukee, WI.
2011. Pidgeon, A. M. Inferences about land use and disturbances at multiple scales. Nanchang University, Nanchang, China
2011. Pidgeon, A.M., T. P. Albright, C. D. Rittenhouse, C. F. Flather, P. D. Culbert, V. C. Radeloff, and J. G. Masek. Regional variation in response to climate extremes by avian communities- predictions for a no- analog future. Invited as part of symposium: A no-analog future for birds in a changing climate? 129<sup>th</sup> meeting of the American Ornithologists' Union. Jacksonville, FL. 27 July 2011.
2011. Wood, E. M., and A. M. Pidgeon. Patterns of tree-species use by neotropical songbirds during spring migration stopover in the Driftless Area, Wisconsin. Wisconsin Bird Conservation Initiative Annual meeting. 30 Sept. 2011.
2010. Pidgeon, A. M. Measuring the response of landbirds to natural and human-caused disturbance in the United States. Kunming Institute of Zoology, Kunming, China. 24 June 2010.
2010. Pidgeon, A. M. Landbird response to extreme weather events and to housing density. Southwest Forestry University, Kunming, China. 25 June 2010.

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\* Indicates student or post-doc I advised

2010. Pidgeon, A. M. V. C. Radeloff, T. P. Albright, C. D. Rittenhouse, M. C. Clayton, C. F. Flather, S. I. Stewart, and J. Masek. 2010. Effects of fire, extreme weather, and anthropogenic disturbances on avian biodiversity in the U.S. NASA Biodiversity Science Team Meeting, May 18<sup>th</sup> 2010, Washington, DC.
2009. Pidgeon, A. M., E. M. Wood, V. St-Louis, and V. C. Radeloff. Improvement in mapping abundance of birds using image texture. Partners in Environmental Technology Technical Symposium and Workshop. Washington D.C., 1 December 2009
2009. Pidgeon, A. M. Patterns of avian diversity in the U.S. and the role of disturbance in shaping them. Presentation to the faculty and students, University of Cordoba, Cordoba, Argentina. 12 November 2009.
2009. Pidgeon, A. M. How are avian communities in the U.S. affected by human development? Presentation to Conservation Section Faculty, National University of Jujuy, Jujuy, Argentina, 9 November 2009.
2009. Pidgeon, A. M. Patterns and trends in avian diversity in the U.S.: information gleaned from an annual, broad scale monitoring program. Presentation to the scientific staff of Instituto Nacional de Tecnologia Agropecuaria, Biodiversity division. Buenos Aires, Argentina. 4 Nov. 2009.
2009. Pidgeon, A. M. Assessing change in songbird populations: Trends and tools. Presentation to Women in Science and Engineering Residential Learning Community, UW-Madison. 23 September 2009.
2008. Pidgeon, A. M., V. St-Louis, and V. C. Radeloff. Characterizing Loggerhead Shrike habitat with local and remotely sensed data. Partners in Environmental Technology Technical Symposium and Workshop. 2 December 2008
2008. Pidgeon, A. M. and F. Beaudry. Wisconsin DNR Ecosystem Management Team. Landscape planning for species of greatest conservation need—update. 5 March 2008.
- 2008 Pidgeon, A. M. V. C. Radeloff, C. H. Flather, J. G. Masek, R. B. Hammer, M. K. Clayton, and S. I Stewart. 2007. Effects of fire, extreme weather, and anthropogenic disturbance on avian biodiversity in the United States. NASA Land Cover and Land Use Science Team Meeting, University of Maryland, Maryland. 1-2 May, 2008.
2007. Pidgeon, A. M. V. St. Louis, and V. C. Radeloff. Explaining the abundance of desert birds using Landsat TM/ETM+ imagery. Partners in Environmental Technology Technical Symposium and Workshop. 4 December 2007.
2007. Pidgeon, A. M., V. C. Radeloff, and D. J. Mladenoff. Landscape planning for species of greatest conservation need. Wisconsin DNR Ecosystem Management Team. 17 Jan 2007.
- 2007 Pidgeon, A. M. V. C. Radeloff, C. H. Flather, J. G. Masek, R. B. Hammer, M. K. Clayton, and S. I Stewart. 2007. Effects of fire, extreme weather, and anthropogenic disturbance on avian biodiversity in the United States. NASA Land Cover and Land Use Science Team Meeting, University of Maryland, Maryland. 3-6 April 2007.
2006. Pidgeon, A. M. Changes in the Chihuahuan Desert avian community; insights based on historical records, fitness measures, and remotely sensed data. Invited seminar, Dept. of Fishery and Wildlife Sciences New Mexico State University. 24 January 2006.

2005. Pidgeon, A. M., V. St. Louis, and V. C. Radeloff. Usefulness of image texture for monitoring birds on military installations on arid lands. Partners in Environmental Technology Technical Symposium and Workshop. 30 November 2005.
2004. Pidgeon, A. M. Changes in bird species distribution patterns across broad scales. Madison Ecology Group Fall Symposium. 24 September 2004.
2002. Pidgeon, A. M., L. A. Schulte, and D. J. Mladenoff. Pre-European distribution of the Pine Warbler in Wisconsin: a tool for setting regional conservation priorities. Symposium on Using Geospatial Information and Models in Regional Bird Conservation Planning, Third International Partners in Flight Conference, Monterey, CA. 24 March 2002.
2002. Radeloff, V. C., A. M. Pidgeon, R. B. Hammer, and P. R. Voss. Landscape changes: Housing development in the rural Midwest, 1940-2000. Wisconsin Chapter of the Wildlife Society Annual Winter Meeting, Madison, WI. 28 February, 2002.
2002. Pidgeon, A. M., V. C. Radeloff, and R. B. Hammer. Trends in housing density in the Northwoods and its implications for wildlife. WI DNR Statewide Wildlife Conference, Cable WI. 16 January 2002.

### **Workshop and Symposium Organization**

- 2016 A. Pidgeon, P. Heglund, B. Bateman, organizers. Thinking like Mountains- a Practitioner's Symposium for Continental Conservation under Climate Change. *3<sup>rd</sup> North American Congress for Conservation Biology, July 18, 2016, Madison, Wisconsin.*
2013. P. Heglund, A. Pidgeon, B. Bateman, S. Vavrus, organizers. Coping with Extreme Weather and Climate Change: Management Strategies for the Upper Midwest. Upper Midwest Environmental Science Center Conference Center, La Crosse, WI. 20-21 November 2013.
2007. Pidgeon, A. M., D. J. Mladenoff, V. C. Radeloff, and G. Bartelt, organizers. Conservation Design: a way to manage for all species? 68<sup>th</sup> Midwest Fish and Wildlife Conference. Madison, WI. 11 December 2007.

### **CONFERENCE PRESENTATIONS WITH PUBLISHED ABSTRACTS**

2019. Elsen, P., L. S. Farwell, A. M. Pidgeon, and V. C. Radeloff. 2019. Landsat TIRS-derived relative temperature and thermal heterogeneity predict winter bird species richness patterns across the conterminous US. *Annual Meeting of the Ecological Society of America, August 11-16, 2019, Louisville, Kentucky.*
2019. Pidgeon, A. M. N. Politi, S. Martinuzzi, P. Elsen, L. Rivera, L. R. Lizarraga, G. Martinez Pastur, and V. C. Radeloff. Incorporating critical bird habitat and climate resilience in Argentina's forest use plans. *American Ornithological Society Annual meeting 22-26 June, Anchorage, AK.*
- 2019 Olah, A, K. Grveles, S. Warner, D. Lopez, C. Ribic, and A.M. Pidgeon. Movement patterns, habitat use, and survival of dependent Kirtland's warbler fledglings in Wisconsin. 2019 joint meeting of the Wilson Ornithological Society & Assoc of Field Ornithologists. October 27-30, 2019. Cape May, NJ.

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\* Indicates student or post-doc I advised



2019. Persche, M., and A.M. Pidgeon. Resilient habitat for forest birds: the influence of topographic position in a mixed deciduous forest. 2019 joint meeting of the Wilson Ornithological Society & Assoc of Field Ornithologists. October 27-30, 2019. Cape May, NJ.
2019. Schilke, P.R., and A.M. Pidgeon. Emergent aquatic insect abundance structures communities in a northern Wisconsin forest. 2019 joint meeting of the Wilson Ornithological Society & Assoc of Field Ornithologists. October 27-30, 2019. Cape May, NJ.
2019. Rojas, I. M., V. C. Radeloff, and A. M. Pidgeon. Restoring riparian forests according to existing regulations could greatly improve habitat connectivity for forest fauna in Chile. *International Association for Landscape Ecology 1-5 July, Milan Italy.*
2019. Farwell, L. P. R. Elsen, E. Razenkova, A. M. Pidgeon, and V. C. Radeloff. Using satellite image texture to map habitat heterogeneity and predict avian biodiversity across the conterminous U.S. *US- International Association for Landscape Ecology 7-11 April, 2019.*
- 2018 Hannah, A, K. Grveles, S. Warner, D. Lopez, C.A. Ribic, and A.M. Pidgeon. Characterizing adult and juvenile use of red-pine dominated plantations in Wisconsin's population of Kirtland's warblers. *American Ornithological Society Annual Meeting. 9-14 April 2018, Tucson, AZ*
2018. Schilke, P. and A. M. Pidgeon. Resource shifts as a function of lake proximity affect songbird communities in a north temperate forest. *International Association of Landscape Ecology 10 April 2018. Chicago, IL.*
2017. Henschell, MA, B. L. Bateman, V. C. Radeloff<sup>1</sup>, A. J. Allstadt, P. J. Heglund, A. M. Pidgeon. Changes in potential bird communities due to climate: 1950 – 2010. *Ecological Society of America, Portland, OR.*
2017. Gorzo, Jessica, A. M. Pidgeon, A. Allstadt, W. Thogmartin, and V. C. Radeloff. Waterfowl Response to Weather and Land Cover in the Prairie Potholes. *Wilson Ornithological Society Annual Meeting 9-12 March 2017. Fort Myers, FL*
2017. McCabe, J. D., H. Yin, J. Bernal, V. C. Radeloff, A. M. Pidgeon, D. N. Bonter and B. Zuckerberg. Integrating remote sensing and citizen science to study the environmental context and ecological consequences of returning avian predators. *American Geophysical Union 11-15 December, New Orleans LA.*
2017. McCabe, J. D., H. Yin, J. Cruz, V. C. Radeloff, A. M. Pidgeon, D. N. Bonter and B. Zuckerberg. The recent colonization of North American urban landscapes by accipiter hawks. 24<sup>th</sup> Annual Conference of *The Wildlife Society, Albuquerque, NM. 23 September 2017.*
2017. Hannah, A., Kim Grveles, Sarah Warner, Davin Lopez, Christine Ribic, Anna Pidgeon. Characterizing breeding habitat selection and reproductive success of the Wisconsin population of the Kirtland's warbler; preliminary results. *5th Annual Student Research Symposium, Riveredge Nature Center, 4 November 2017. Saukville, WI.*
2017. Rivera, L., N. Politi, S. Martinuzzi, L. Lizarraga, S. Chalukian, S. de Bustos, E. Ruiz do los Llanos, B. Bateman, V. Radeloff, and A. M. Pidgeon. Identification of priority areas for conservation of endangered species in the Southern Yungas of Salta and Jujy. *5th National Congress of Biodiversity Conservation, 19-22 September 2017. Rio Negro, Argentina.*

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\* Indicates student or post-doc I advised

2017. Rivera, L., S. Martinuzzi, N. Politi, L. Lizarraga, A. M. Pidgeon, V. Radeloff. Application of analysis of the human footprint to the management and territorial planning in the Southern Yungas. *5<sup>th</sup> National Congress of Biodiversity Conservation, 19-22 September 2017. Rio Negro, Argentina.*
2017. Rojas, I. M., S. Martinuzzi, A. M. Pidgeon, and V. C. Radeloff. Contribution of riparian forest to structural connectivity of the forest in Chile. *Chilean Ornithological Congress, 23 November 2017, Santa Cruz, Chile.*
2016. Rojas, I. M., S. Martinuzzi, A. M. Pidgeon, and V. C. Radeloff. Contribution of riparian forests to structural corridors of Chile. *US-IALE Annual Meeting, 3-7 April 2016, Asheville, North Carolina.*
2016. Burnham, J., M. Baumann, V. Radeloff, A. Pidgeon, J. Barzen, H. Wu, and X. Yang. Black-necked crane habitat selection and land cover change at China's Napahai wetland from 1990-2010. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Guzman-Colon, D., V. Radeloff, and A. Pidgeon. Modelling the spatial distribution of invasive mongoose in Puerto Rico. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Hannah, A. K. Grveles, S. Warner, D. Lopez, C. Ribic, and A. Pidgeon. Characterizing breeding habitat selection and reproductive success of the Wisconsin population of the Kirtland's warbler; preliminary results. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Hobi, M. L., M. Dubinin, A. Pidgeon, N. C. Coops, and V. Radeloff. Remote sensing of biodiversity and conservation: The Dynamic Habitat Indices as predictors of avian species richness. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Hobi, M. L., M. Dubinin, A. Pidgeon, N. C. Coops, and V. Radeloff. Remote sensing of biodiversity and conservation: Predicting bird species richness in the United States using the Dynamic Habitat Index based on MODIS satellite data. *101<sup>st</sup> Annual Meeting of the Ecological Society of America, August 7-12 2016, Fort Lauderdale, Florida.*
2016. Munteanu, C., A. Pidgeon, and V. Radeloff. Bird conservation responsibility of the Carpathian Mountains. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Pidgeon, A.M., R.Graves, C. Latimer, J. Gorzo, M. Henschell, P. Schilke, M. Hobi, M. Pfeiffer, A. Shipley, A. Hanna, B. Zuckerberg, and V. C. Radeloff. Rising novelty and homogenization of bird communities in the U.S. *North American Ornithological Conference, August 16-20, 2016. Washington DC.*
2016. Suttidate, N., A. Pidgeon, M. Dubinin, P. Round, and V. Radeloff. The effects of habitat heterogeneity, as measured by satellite image texture, on tropical forest bird distributions. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Bragina, E., A. Shchur, A. Pidgeon, V. Radeloff, and A. Sieber. Mapping selective logging and clearcuts in protected forests of Western Siberia using Landsat summer and winter

- imagery. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
2016. Gorzo, J., A. Pidgeon, A. Allstadt, W. Thogmartin, S. Vavrus, P. Heglund, and V. Radeloff. Land cover and weather as drivers of avian site fidelity. *3<sup>rd</sup> North American Congress for Conservation Biology, July 17-20 2016, Madison, Wisconsin.*
- 2015 Henschell, M.A., and A. M. Pidgeon. Trails, and trail use, change avian species assemblages in forested protected areas. *Annual meeting of the American Ornithologists' Union and the Cooper Ornithological Society, 28 July-Aug 2 2015, Norman Oklahoma*
- 2015 Schilke, P.R., M. Bartrons, M.J. VanderZanden, R.W. Howe, and A.M. Pidgeon. Response of forest birds to inputs of emergent aquatic insects across a regional landscape. *Annual meeting of the American Ornithologists' Union and the Cooper Ornithological Society, 28 July-Aug 2 2015, Norman Oklahoma*
- 2015 Suttidate, N., P.D. Round, N.C. Coops, A.M. Pigeon, N.S. Keuler, D.P. Helmers, and V.C. Radeloff. Assessing tropical biodiversity using the Dynamic Habitat Index: Predictions of bird species richness in Thailand. *27<sup>th</sup> International Congress for Conservation Biology, 2-6 August 2015, Mont Pelier France*
- 2015 Bragina, E., A. Ives, L. Balciauskas, S. Csanyi, P. Hoetsky, O. Ionescu, K. Kysucka, J. Lieskovsky, J. Ozolins, K. Perzanowski, T. Randveer, P. Stych, A. Volokh, C. Zhelev, E. Ziolkowska, A. Pidgeon, and V. Radeloff. Game population trends after the collapse of socialism in Eastern Europe. *Ecological Society of America Annual Meeting, 9-14 August 2015. Baltimore, Maryland.*
- 2014 Schilke, P., M. Bartrons, A. Pidgeon, R. Howe, J. Vander-Zanden. Importance of lake landscape pattern and lake-derived insect subsidies to terrestrial breeding birds in northern Wisconsin. Midwest Bird Conservation and Monitoring Port Washington, WI. 7 August 2014.
- 2014 Henschell, M.A. and A.M. Pidgeon. Hiking trails in Wisconsin protected areas affect reproductive success of forest passerines. *North American Congress for Conservation Biology, 13-17 July 2014, Missoula, Montana.*
- 2014 Carter, S.A., S. Januchowski-Hartley, J. Pohlman, A. M. Pidgeon, and V.C. Radeloff. Bridging the planning-implementation gap: Factors influencing implementation of conservation plans in Wisconsin, USA. *North American Congress for Conservation Biology, 13-17 July 2014. Missoula, Montana.*
2013. Bateman, B.L., A. M. Pidgeon, V. C. Radeloff, J. M. Gorzo, A. J. Allstadt, P. D. Culbert, W. E. Thogmartin, C. J. Flather, T. P. Albright, H. R. Akakaya, S. J. Vavrus, and P. J. Heglund. The importance of range edges during extreme events: identifying drivers of abundance of an irruptive species, the dickcissel (*Spiza Americana*). *26<sup>th</sup> International Congress for Conservation Biology, 22 July 2013, Baltimore, Maryland.*
- 2013 Bateman, B., A. M. Pidgeon, J. VanDerWal., P. J. Heglund, J. R. Akcakaya, W. E. Thogmartin, C. H. Flather, T. P. Albright, S. J. Vavrus, and V. C. Radeloff. Assessing the dynamic nature of species distributions using climate variability. *98<sup>th</sup> Annual Meeting of the Ecological Society of America. Minneapolis, MN. 4-9 August 2013.*
- 2013 Bragina, E., K. Wendland, M. Baumann, A. Sieber, T. Kuemmerle, A. M. Pidgeon, P. Alexandre, and V. C. Radeloff. Protected area effectiveness during economic downturn: an

- example from Russia. 26<sup>th</sup> International Congress for Conservation Biology. Baltimore, MD. 22 July 2013.
- 2013 Wood, E.M., A. M. Pidgeon, V. C. Radeloff, P. D. Culbert, N. S. Keuler, and C. H. Flather. Housing development effects on protected area avian community structure. 131<sup>st</sup> Meeting of the American Ornithologists Union Chicago, IL. 13-17 August 2013.
- 2013 Wood, E. M., A. M. Pidgeon, V. C. Radeloff, P. D. Culbert, N. S. Keuler, D. Helmers, and C. H. Flather. Housing development, protected areas, and avian community conservation. 26<sup>th</sup> International Congress for Conservation Biology. Baltimore, MD. 22 July 2013.
- 2012 Bragina, E. V., A. R. Ives, A. M. Pidgeon, N. Keuler, T. Kuemmerle, M. Piquer-Rodriguez, and V. C. Radeloff. Population declines in game mammals after the collapse of the Soviet Union. 2012 Conference of the Wildlife Society, 13 – 18 October 2012, Portland, Oregon.
2012. Carter, S. K. E. Duerr, D. Helmers, A. M. Pidgeon, and V. C. Radeloff. Conservation planning in Wisconsin: Do current priorities address future threats? 2012 Conference of the Wildlife Society, 13 – 18 October 2012, Portland, Oregon.
- 2012 Culbert, P. D., V. C. Radeloff, N. C. Coops, J. M. Kellndorfer, T. R. Loveland, and A. M. Pidgeon. A nationwide predictive map of avian biodiversity. Annual Symposium of U.S.-IALE. 8-12 April 2012, Newport, Rhode Island.
- 2012 Georgian, E., A. M. Pidgeon, and E. Emshwiller. Visitors, robbers and pollinators of *Rhododendron floccigerum* at different elevations in Weixi, NW Yunnan Province, China. Botany 2012- the Next Generation Conference. 7 July Columbus OH
- 2012 Wood, E. M., and A. M. Pidgeon. Oak (*Quercus* spp.) flowering phenology is a proximate cue for migratory songbirds to the availability of food resources. Phenology 2012 Conference, 10 September 2012, Milwaukee, Wisconsin, USA.
- 2012 Wood, E. M., and A. M. Pidgeon. Variations in climate affect ecosystem services provided by birds during spring migration. North American Ornithological Conference, Vancouver British Columbia. 16 August 2012.
- 2012 Wood, E. M., A. M. Pidgeon, V. C. Radeloff, D. Helmers, P. D. Culbert, N. S. Keuler, and C. H. Flather. Patterns of avian community response at the boundary of protected areas: is the conservation benefit being eroded? North American Ornithological Conference, Vancouver British Columbia. 17 August 2012.
- 2011 Albright, T. P., A. M. Pidgeon, V. C. Radeloff, B. Wardlow. Identifying thermally challenging landscapes and time periods for wildlife using remote sensing. American Geophysical Union Fall Meeting. San Francisco, CA 5-9 December 2011.
- 2011 Albright, T. P., C. D. Rittenhouse, A. M. Pidgeon, P. D. Culbert, V. C. Radeloff, M. K. Clayton, C. F. Flather, and B. Wardlow. Timing and geography structure heat wave and drought effects on avian community structure. The International Biogeography Society, 7-11 January 2011, Crete, Greece.
2011. Bar-Massada, A., E.M. Wood, A. M. Pidgeon, and V. C. Radeloff. Complex effects of spatial scale on relationships between landscape pattern and avian species diversity. U.S.-IALE Symposium, Portland, OR 3-7 April 2011.
2011. Hamilton, C., S. Martinuzzi, P. Heglund, W. Thogmartin, D. Helmers, A. Pidgeon, and V. Radeloff. Future land use around the U.S. Fish and Wildlife Service National Wildlife Refuges. The Wildlife Society Waikoloa, HI, 5-10 November 2011.

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\* Indicates student or post-doc I advised

2011. Hamilton, C., S. Martinuzzi, P. Heglund, W. Thogmartin, A. Pidgeon, D. P. Helmers, and V. Radeloff. Looking to the future: housing growth and landcover change around the United States Fish and Wildlife Service National Wildlife Refuge System. US-IALE Symposium, Portland, OR. 3-7 April 2011.
2011. Wood, E. M., AND A. M. Pidgeon. Changes in forest tree species composition may affect Neotropical songbirds during spring migration stop-over. Cooper Ornithological Society, Association of Field Ornithologists, and the Wilson Ornithological Society meeting. 11 March 2011, Kearney, Nebraska, USA.
2010. Albright, T., C. D. Rittenhouse, A. M. Pidgeon, M. K. Clayton, C. Flather, B. Wardlow, P. D. Culbert, and V. C. Radeloff. Birds under stress: Effects of heatwaves and drought on US avian communities. Association of American Geographers Annual Meeting, Washington DC. 14 April 2010.
2010. Bar Massada, A., E. M. Wood, A. M. Pidgeon, V. C. Radeloff. Using multiscale contextual spatial pattern analysis to predict avian species richness and community composition in a woodland savanna. 24<sup>th</sup> International Congress for Conservation Biology, Edmonton, AB. 3-7 July 2010.
2010. Beaudry, F., Ferris, M. C., Pidgeon, A. M., Radeloff, V. C., Mladenoff, D. J., Howe, R. W., and G. A. Bartelt. Regional conservation planning: contrasting optimization methods for forest birds with incompatible habitat requirements. 24<sup>th</sup> International Congress for Conservation Biology, Edmonton, AB. 3-7 July 2010.
2010. Butsic, V. A., V. C. Radeloff, A. M. Pidgeon, and T. Kuemmerle. 2010. A theoretical model of the effect of land intensity and extent on species richness and economic output” The 24th International Congress for Conservation Biology meeting. July 3 – 7, 2010, Edmonton, Alberta, Canada.
2010. Culbert, P.D., T.A. Albright, C.D. Rittenhouse, C.H. Flather, A.M. Pidgeon, and V.C. Radeloff. Modeling nationwide patterns of avian biodiversity: the influence of habitat structure. 24<sup>th</sup> International Congress for Conservation Biology, Edmonton, AB. 3-7 July 2010.
2010. Hamilton, C. M., V. C. Radeloff, A. M. Pidgeon, P. J. Heglund, W. E. Thogmartin, and D. P. Helmers. Housing growth, conservation corridors, and the United States National Wildlife Refuge System. 24<sup>th</sup> International Congress for Conservation Biology, Edmonton, AB. 3-7 July 2010.
2010. Radeloff, V. C. M. Dubinin, A. M. Pidgeon, F. Beaudry, V. Butsic, and T. Kuemmerle. National growth of protected area systems over time- hot moments for conservation. 24<sup>th</sup> International Congress for Conservation Biology, Edmonton, AB. 3-7 July 2010.
2010. Rittenhouse, C. D., A. M. Pidgeon, T. P. Albright, P. D. Culbert, M. K. Clayton, C. H. Flather, S. I. Stewart, R. B. Hammer, and V. C. Radeloff. Effects of land-cover change on patterns of bird diversity in the United States. American Ornithologists’ Union. San Diego, CA. 7-11 February 2010.
2010. Wood, E. M., A. M. Pidgeon, and V. C. Radeloff. Evidence for Karner Blue Butterfly (*Lycaeides melissa samuelis*) as a Surrogate Species for the Conservation of Oak Savanna Bird Community Assemblages. 24<sup>th</sup> International Congress for Conservation Biology, Edmonton, AB. 3-7 July 2010.

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\* Indicates student or post-doc I advised

2010. Wood, E. M., A. M. Pidgeon, and V. C. Radeloff. The use of image texture as a tool for predicting bird habitat. American Ornithologists' Union. San Diego, CA. 7-11 February 2010.
2009. Albright, T. P., A. M. Pidgeon, C. D. Rittenhouse, P. D. Culbert, V. C. Radeloff, M. K. Clayton, C. H. Flather, and B. Wardlow. 2009. Diverse responses of avian communities to heat waves. 2009 Annual Meeting of the Association of American Geographers, March 22-27, 2009, Las Vegas, Nevada.
2009. Culbert, P., V. St.-Louis, A. M. Pidgeon, and V. C. Radeloff. 2009. Modeling avian richness patterns with texture measures of remotely sensed imagery. American Geophysical Union Fall Meeting, San Francisco, California. 14 – 18 December 2009.
2009. Jones-Farrand, D. T., A. M. Pidgeon, F. R. Thompson, and J. A. Fitzgerald. Assessing the impact of projected housing density on high priority forest birds. 70<sup>th</sup> Midwest Fish & Wildlife conference, Springfield, IL. 9 December 2009.
2009. Rittenhouse, P. D. Culbert, V. C. Radeloff, M. K. Clayton, C. H. Flather, and B. Wardlow. 2009. Diverse responses of avian communities to heat waves. Annual Meeting of the Association of American Geographers, Las Vegas, Nevada. March 22-27, 2009.
2009. Rittenhouse, C. D., A. M. Pidgeon, T. P. Albright, P. D. Culbert, M. K. Clayton, C. H. Flather, C. Huang, J. G. Masek, and V. C. Radeloff. Conservation of forest birds: evidence of a shifting baseline in community structure. 127<sup>th</sup> meeting of the American Ornithologists' Union. Philadelphia, PA 12-15 August 2009.
2008. Albright, T. P., A. M. Pidgeon, M. K. Clayton, C. H. Flather, C. D. Rittenhouse, B. D. Wardlow, and V. C. Radeloff. Characterization and influence of drought on avian abundance and diversity in the Great Plains, USA. US-International Association of Landscape Ecology Symposium. Madison, WI. 6-10 April 2008.
2008. Albright, T. A., M. K. Clayton, P. D. Culbert, C. H. Flather, A. M. Pidgeon, C. D. Rittenhouse, S. I. Stewart, and V. C. Radeloff. Patterns of declining US breeding bird abundance since 1980. 93<sup>rd</sup> Annual Meeting of the Ecological Society of America. 3-8 August 2008.
2008. Beaudry, F., A. M. Pidgeon, and V. C. Radeloff. 2008. Applying habitat suitability indices toward landscape scale planning for Wisconsin's avian Species of Greatest Conservation Need. US-IALE Symposium, April 6-10, 2008, Madison, Wisconsin.
2008. Culbert, P, A. M. Pidgeon, V. St.-Louis, and V. C. Radeloff. 2008. Evaluating the impact of phenological variation on textures measures of remotely-sensed imagery. US-IALE Symposium, April 6-10, 2008, Madison, Wisconsin.
2008. Lesak, A. A., A. M. Pidgeon, M. J. Mossman, V. C. Radeloff. Effects of rural housing density and pattern on forest songbird populations in the Baraboo Hills of southern Wisconsin. US-International Association of Landscape Ecology Symposium. Madison, WI. 6-10 April 2008.
2008. Pidgeon, A. M., V. C. Radeloff. Patterns of Housing Growth in the neighborhood of IBAs. 4<sup>th</sup> International Partners in Flight Convergence. McAllen TX. 13-16 February 2008.
2008. Rittenhouse, C. D., A. M. Pidgeon, T. P. Albright, M. K. Clayton, C. H. Flather, and V. C. Radeloff. Avifauna response to hurricanes: changes in community similarity over time. 15<sup>th</sup> Annual Conference of The Wildlife Society. Miami, FL. 8-12 November 2008.

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\* Indicates student or post-doc I advised

2008. Rittenhouse, C. D. A. M. Pidgeon, T. P. Albright, M. K. Clayton, C. H. Flather, and V. C. Radeloff. Effects of hurricanes on avian species richness and abundance. US-International Association of Landscape Ecology Symposium. Madison, WI. 6-10 April 2008.
2008. St-Louis, V. A. M. Pidgeon, and V. C. Radeloff. At which scale does habitat heterogeneity matter for avian biodiversity? A case study for the Loggerhead Shrike in the Chihuahuan Desert of New Mexico. US-International Association of Landscape Ecology Symposium. Madison, WI. 6-10 April 2008.
2008. Wood, E. M., A. M. Pidgeon, and V. C. Radeloff. Factors affecting avian use and occupancy of savanna habitats at Fort McCoy, WI. 4<sup>th</sup> International Partners in Flight Convergence. McAllen TX. 13-16 February 2008.
2007. Beaudry, A. P., A. M. Pidgeon, V. C. Radeloff, D. J. Mladenoff, and G. A. Bartelt. Planning for the future, more than just one species at a time: a landscape-scale project for northern Wisconsin's Avian Species of Greatest Conservation Need. 68<sup>th</sup> Midwest Fish and Wildlife Conference. Madison, WI. 9-12 December 2007.
2007. Olson, A. C., A. M. Pidgeon, D. A. Rogers, T. P. Rooney, D. M. Waller, and V. C. Radeloff. Fifty years of change in southern Wisconsin forest bird communities. 68<sup>th</sup> Midwest Fish and Wildlife Conference. Madison, WI. 9-12 December 2007.
2007. Pidgeon, A. M., V. C. Radeloff, C. H. Flather, C. A. Lepczyk, S. I. Stewart. The effects of housing density on forest birds in the United States. 21<sup>st</sup> Annual Meeting of the Society for Conservation Biology, Port Elizabeth, South Africa. 5 July 2007.
2007. Pidgeon, A. M., V. C. Radeloff, C. H. Flather, C. A. Lepczyk, and S. I. Stewart. Associations of housing density and landscape pattern with forest bird species richness in the United States. 14<sup>th</sup> Annual Conference of The Wildlife Society, September 22-26, 2007, Tucson, Arizona.
2007. Radeloff, V. C. and A. M. Pidgeon. Quantifying conservation threats due to landscape change for conservation planning. 68<sup>th</sup> Midwest Fish and Wildlife Conference. Madison, WI. 11 December 2007.
2007. St-Louis, V., A. M. Pidgeon, V. C. Radeloff. Image texture and vegetation indices as predictors of bird species richness in the Chihuahuan Desert. International Association of Landscape Ecology, Tucson Arizona. 10 April, 2007.
2007. Wood, E. M., A. M. Pidgeon, and V. C. Radeloff. The potential of image texture for predicting avian species richness in a Midwest savanna. 68<sup>th</sup> Midwest Fish and Wildlife Conference. Madison, WI. 9-12 December 2007.
2006. Bellis, L. M., A. M. Pidgeon, V. C. Radeloff, J. L. Navarro, and M. B. Martella. Modelling habitat suitability of greater rheas (*Rhea americana*) in a grassland relict of central Argentina. The 7<sup>th</sup> International Conference for the Management of Wildlife in Amazonia and Latin America, Ilheus, Brasil. 4 September 2006.
2006. Lepczyk, C. A., P. S. Warren, L. Machabee, A. M. Pidgeon, A. Kinzig, C. H. Flather, V. C. Radeloff, and R. B. Hammer. Introduction and overview: past knowledge and examples of new urban bird research. 4<sup>th</sup> North American Ornithological Conference, Veracruz, Mexico. 5 October 2006.

2006. Pidgeon, A. M., V. C. Radeloff, C. A. Lepczyk, C. H. Flather, and R. B. Hammer. Understanding the effects of rural sprawl on bird communities. 24th International Ornithological Congress, Hamburg, Germany. 15 August, 2006.
2006. St-Louis, V. A. M. Pidgeon, and V.C. Radeloff. Texture measures in digital orthophotos as predictors of bird species richness in semi-arid environments. Association of American Geographers, Chicago, IL. 7 March 2006.
2005. Lepczyk, C.A., A. M. Pidgeon, V. C. Radeloff, C. H. Flather, R. B. Hammer. The influence of housing growth on bird communities in the Northeast U.S. from 1970 to 2000. Ecological Society of America. Montreal, Qc. 9 August 2004.
2005. Pidgeon, A.M. and V. C. Radeloff. Including estimates of uncertainty in defining biodiversity hotspots for a Chihuahuan Desert avian community. Symposium on spatial errors in GIS applications. The Wildlife Society Annual Conference, Madison, WI. 27 Sep. 2005.
2005. Pidgeon, A. M., V. C. Radeloff, C. A. Lepczyk, C. H. Flather, and R. B. Hammer. The role of housing density and residential landscapes in predicting richness within avian guilds. Ecological Society of America. Montreal, Qc. 9 August 2005.
2005. Pidgeon, A. M., V. St-Louis, and V. C. Radeloff. 2005. Usefulness of image texture for monitoring birds on military installations on arid lands. Partners in Environmental Technology Technical Symposium and Workshop, November 29 –December 1, 2005, Washington D.C.2005. St-Louis, V., A. M. Pidgeon, V. C. Radeloff, and T. J. Hawbaker. Using image texture analysis to predict breeding birds' response to fine scale habitat variability in semi-arid environments. Ecological Society of America. Montreal, Qc. 9 August 2005.
2005. Wunnicke, A.M., C. A. Lepczyk, V. C. Radeloff, A. M. Pidgeon, C. H. Flather, and R. B. Hammer. The effect of housing growth on ovenbird habitat and populations in Massachusetts from 1970 to 2000. Ecological Society of America. Montreal, Qc. 11 August 2004.
2004. Lepczyk, C. A., V. C. Radeloff, C. H. Flather, A. M. Pidgeon, R. B. Hammer, J. Liu. The influence of human-dominated landscapes on birds in the Midwest United States. Ecological Society of America. Portland OR. 5 August 2004.
2004. Lepczyk, C. A., A. M. Pidgeon, V. C. Radeloff, R. B. Hammer, C. H. Flather. The influence of housing growth on bird communities in the northeastern U.S. Society for Conservation Biology. New York, N.Y. 2 August 2004.
2004. Pidgeon, A.M., V. C. Radeloff, C. A. Lepczyk, C. H. Flather, R. B. Hammer. Changes in bird species richness due to housing growth and landcover change from 1970 – 2000: a Nation-wide study. Ecological Society of America. Portland OR. 4 August 2004.
2004. Pidgeon, A. M., L. A. Schulte, and D. J. Mladenoff. Modeling the past and present habitat of forest warblers: using historical data to estimate species distributions in Wisconsin. Cooper Society Meeting, LaCrosse, WI. 6 May 2004.
2003. Pidgeon, A. M., N. E. Mathews, and V. C. Radeloff. Stick tights and nomads in the Chihuahuan Desert; classification of bird species based on their abundance and nest success patterns. 17<sup>th</sup> Annual meeting of the Society of Conservation Biology, Duluth, MN. 30 June 2003.

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\* Indicates student or post-doc I advised



2002. Pidgeon, A. M., L. Schulte, D. J. Mladenoff, and V. C. Radeloff. Pre-European distribution of forest birds in Wisconsin: a tool for setting regional conservation priorities. The 3<sup>rd</sup> International Partners in Flight Conference, March 24, 2002, Monterey, California.
2001. Schulte, L. A., A. M. Pidgeon, and D. J. Mladenoff. Pre-European distribution of forest birds in Wisconsin: a tool for setting regional conservation priorities. Midwest Fish & Wildlife Conference. Des Moines, IA. 11 December 2001.
2001. Pidgeon, A. M., V. C. Radeloff, and N. E. Mathews. Predictive mapping of avian populations using texture indices based on digital orthophotos. Ecological Society of America, Madison, WI. 9 August 2001.
2000. Pidgeon, A. M., and N. E. Mathews. Spatial and temporal patterns of reproductive success of the avian community in the northern Chihuahuan Desert. American Ornithologists' Union. St. John's, Newfoundland. 19 August 2000.
2000. Pidgeon, A. M., and N. E. Mathews. Spatial patterns of avian productivity in the northern Chihuahuan Desert. International Association for Landscape Ecology. Fort Lauderdale, FL. 17 April 2000.
1999. Pidgeon, A. M., and N. E. Mathews. The avian community of the northern Chihuahuan Desert; response to changes in cover type. American Ornithologists' Union. Cornell, NY. 14 August 1999.
1999. Pidgeon, A. M., and N. E. Mathews. The response of birds in the northern Chihuahuan Desert to landscape scale effects. International Association for Landscape Ecology. Snowmass, CO. 1 August 1999.
1999. Pidgeon, A. M., and N. E. Mathews. Landscape scale effects on distribution and productivity in desert birds. The 2<sup>nd</sup> International Wildlife Management Congress. Godollo, Hungary. 29 June 1999.
1998. Pidgeon, A. M., and N. E. Mathews. Avian productivity and abundance in the northern Chihuahuan Desert: a comparison among six habitats. The Wildlife Society Annual Conference. Buffalo, NY. 26 September 1998.
1995. Pidgeon, A. M., G. M. King, and E. Hanson. Habitat characteristics of Northern Spotted Owls (*Strix occidentalis*) in the unmanaged forest of the Yakama Indian Reservation, eastern Washington. The Wildlife Society Annual Conference. Portland, OR.

## **PROFESSIONAL ACTIVITIES**

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### **MEMBERSHIPS**

American Ornithological Society– Elective Member  
 Society for Conservation Biology  
 Association of Field Ornithologists  
 Wilson Ornithological Society  
 Inland Bird Banding Association  
 Wisconsin Society for Ornithology

### **MANUSCRIPT REVIEWS**

Auk, Avian Conservation and Ecology, Biological Conservation, Biodiversity and Conservation, Condor, Conservation Biology, Ecography, Ecology, Ecological Archives, Ecological Applications,

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Environmental Conservation, Forest Ecology and Management, Journal of Ecology and the Natural Environment, Journal of Field Ornithology, Landscape Ecology, Landscape and Urban Planning, Oecologia, PlosOne, Regional Environmental Change, Studies in Avian Biology

### REVIEW PANELS

National Aeronautics and Space Administration (NASA) Earth Systems Science Fellowship 2008

### PROFESSIONAL SERVICE

#### PROPOSAL REVIEWS

NASA New Investigator Program  
 National Fish & Wildlife Foundation  
 National Geographic  
 National Science Foundation  
 Graduate Women in Science, UW-Madison, Ruth Dickie Scholarship  
 USDA NIFA Proposal Reviews

#### OTHER

UW Madison CALS Research Advisory Committee, 2016- present  
 Wildlife Ecology Undergraduate Curriculum Chair 2017- present.  
 Tenure Case review, The Ohio State University, 2017  
 Tenure Case review, University of Wyoming, 2015.  
 Member, Wisconsin Bird Conservation Initiative: Southern Forests Working Group,. 2009- 2012  
 Member, Wisconsin Bird Conservation Initiative, steering committee, 2010 - 2012.  
 Moderator, Bird communities in changing environments session. 24<sup>th</sup> International Ornithological Congress, Hamburg, Germany. 15 August, 2006.  
 Member, Coordinating Committee of Western Hemisphere Migration Monitoring Network, under the auspices of Partners in Flight Migration Working Group. 2003 – 2005.  
 Moderator, Inventory and Monitoring I session. 17<sup>th</sup> Annual meeting of the Society of Conservation Biology, Duluth, MN, 30 June 2003  
 Chair, Habitat session. 118<sup>th</sup> Meeting of American Ornithologists' Union. St. John's, Newfoundland 19 August 2000.

### ADVISING

#### POSTDOCTORAL ASSOCIATES

Euarda Martiniano de Oliveira Silveira	2019-
Laura Farwell	2018-
Max Henschell	2016 - 2017
Andrew Allstadt (co-advised)	2013 - 2016
Brooke Bateman	2012 - 2016
Eric Wood	2011 - 2014
Eugenia Bragina (co-advised)	2011 - 2015
Claudia Polo (co-advised)	2011 - 2012

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\* Indicates student or post-doc I advised

Thomas P. Albright (co-advised)	2007 - 2010
Chadwick Rittenhouse	2007 - 2010
Beaudry, Frederic	2007 - 2009

#### GRADUATE STUDENTS

Jennifer Schneiderman (co-advised)	2017- present
Maia Persche, M.S.	2017- 2019
Kristin Brunk, Ph.D. (co-advised)	2016- present
Erin Manlick, MS. Nelson Institute (Conservation Biology)	2016 - 2017
Ashley Hannah, M.S.	2015 - 2019
Isabel Rojas-viada, PhD (co-advised)	2014 - 2019
Diana Guzman-Colon, PhD (co-advised)	2014 - present
Paul Schilke PhD	2015 - present
Jessica Gorzo, Ph.D	2012 - 2016
Max Henschell, Ph.D.	2011 - 2016
Burnham, James, Ph.D.	2009 - 2017
Paul Schilke, M.S.	2012 - 2014
Ana Maria Venegas, M.S.	2012 - 2014
Carter, Sarah, Ph.D. (co-advised)	2010 - 2015
Hamilton, Christopher, Ph.D. (co-advised)	2009 - 2015
Martin Pfeiffer, Nelson Institute of Environmental Studies Research advisor	2009 - 2010
Wood, Eric, Ph.D.	2007 - 2011
St-Louis, Veronique, Ph.D., (co-advised),	2004 - 2009
Olson, Anders, M.S., (co-advised)	2005 - 2008

#### GRADUATE STUDENT COMMITTEES

Beckett Hill, PhD., Department of Forest and Wildlife Ecology (Forestry)	2016 - present
Colleen Miller, MS. Department of Forest and Wildlife Ecology (WE)	2016 - 2018
Elena Razenkova MS Department of Forest and Wildlife Ecology (Forestry)	2016 - 2018
Paula Perrig, PhD., Department of Forest and Wildlife Ecology (WE)	2015 - present
Amy Shipley, PhD., Department of Forest and Wildlife Ecology (WE)	2015 - present
Regan Dohm, M.S., Department of Forest and Wildlife Ecology (WE)	2015 - 2017
Naparattittidate, Ph.D., Dept. of Forest and Wildlife Ecology (WE)	2012 - 2016
Catalina Munteanu, Ph.D., Dept. of Forest and Wildlife Ecology (Forestry)	2012 - 2016
Eric Ross, M.S., Department of Forest and Wildlife Ecology (WE)	2012 - 2015
Paula Perrig, M.S., Department of Forest and Wildlife Ecology (WE)	2012 - 2015
Eric Ross, M.S., Department of Forest and Wildlife Ecology (WE)	2012 - 2015
Lara Fondow, M.S., Department of Forest and Wildlife Ecology (WE)	2012 - 2013
Sarahy Contreras, Ph.D., Dept. Ecología y Recursos Naturales, U Guadalajara External comm. Member 2011-2015	2011 - 2015
Huan Gu, Ph.D., Department of Forest and Wildlife Ecology (Forestry)	2011 - 2014
Leone Brown, Ph.D., SUNY Stony Brook, New York. External comm. Member	2011 - 2012

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\* Indicates student or post-doc I advised

## External comm. member Defense 2012

Elizabeth Georgian, Ph.D., Department of Botany	2011 - 2014
Ricka Stolting, Ph.D., Department of Forest and Wildlife Ecology (WE)	2011 - 2013
Brendan Reid, Ph.D., Department of Forest and Wildlife Ecology (WE)	2010 - 2015
Patricia O'Kane, Ph.D., Nelson Institute of Environmental Studies	2010 - 2015
Stacy Taeuber, M.S., Nelson Institute of Environmental Studies	2010 - 2011
Andrew Cassini, Ph.D., Department of Zoology	2010 - 2015
Jodi Brandt, Ph.D., Department of Forest and Wildlife Ecology (Forestry)	2007 - 2012
Van Butsic, Ph.D., Department of Forest and Wildlife Ecology (Forestry)	2007 - 2011
Patrick Culbert, Ph.D. Forest and Wildlife Ecology (Forestry)	2006 - 2012
Elena Doucet-Beers, Ph.D., Department of Zoology (WE)	2008 - 2017
Heather Lumpkin, M.S., Department of Zoology	2008 - 2011
Margaret Knight, M.S., Nelson Institute of Environmental Studies	2007 - 2008
Deahn Donner Wright, Ph.D. Nelson Institute of Environmental Studies	2005 - 2007

**UNDERGRADUATE ACADEMIC ADVISING**

Advisor for Undergraduates Wildlife Ecology Undergraduates

2009-10, 11 students; 2010-11, 11 students; 2011-12, 8 students; 2012-13, 8 students,  
2013-14, 12 students; 2014-15, 17 students; 2015-16, 16 students.; 2016-17, 13 students; 2017-  
18, 12 students.

Independent Study, Margaret Hasun, 1 credit, FWE 699	Spring 2018
Independent Study, Sarah Hall-Mackenzie, 1 credits, FWE 299	Spring 2018
Independent Study, Jace Steward, 2 credits, FWE 299	Fall 2017
Advisor for Bio152 research: Luis Velazquez Camareno, 3 credits,FWE299	Fall 2017
Advisor for Bio152 research: Meredith Nesbitt, 3 credits,FWE 299	Fall 2017
Instructor Leadership Placement, Erin Manlick, 4 credits, EnvSt 999	Summer 2017
Independent project advisor: Sarah Hall- Mackenzie, 2 credits, FWE 399	Summer 2017
Advisor for Bio152 research: Sarah Hall- Mackenzie, 2 credits,F FWE 299	Spring 2017
Independent project advisor, Gabriella Struger, 1 credit FWE 699	Fall 2016
Advisor/Research sponsor for McNair Scholar Lucero Serna	Summer 2016
Independent Study, Candice Teschner, 1 credit FWE 699	Spring 2016
Independent Study, Dalton Roadruck, 3 credit FWE 699	Spring 2016
Advisor for Individualized Major Animal Welfare, Quincy Markowitz	2014 - 2015
Independent project advisor, Spencer Keyser, 2 credit FWE 699	Fall 2015
Independent project advisor, Jade Arneson, 1 credit FWE 699	Spring 2015
Independent project advisor, Crystal Hall, 2 credit FWE 399	Spring 2015
Independent project advisor, Samantha Buechner, 2 credit FWE699	Fall 2014
Independent project advisor, Madeline Severson, 2 credit FWE299	Fall 2014
Independent project advisor, Maia Persche 1 credit FWE299	Fall 2013
Independent study advisor, Jessica Brings 2 credits FWE 299	Spring 2013
Independent study advisor, David Flick 1 credit FWE 399	Fall 2012
Independent study advisor, Catherine Corcoran, 1 credit FWE 699	Spring 2010

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\* Indicates student or post-doc I advised

Internship advisor, Brittany Ederer, 1 credit FWE 399 2010, 2012  
 Independent study advisor, Erica Knoebel, 1 credit FWE 699 Fall 2010

## **TEACHING EXPERIENCE**

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### **INSTRUCTOR OF RECORD**

- Instructor, "Ornithology," Forest and Wildlife Ecology/Zoology 520, a 3 credit undergraduate lecture based course. 75-80 students. *Spring semesters 2016, 2017, 2018.*
- Instructor, "Birds of Southern Wisconsin, Forest and Wildlife Ecology/Zoology 521, a 3 credit undergraduate field-based course. 75-80 students. *Spring semesters 2016, 2017, 2018.*
- Instructor, *Forest Ecology and Management 658* (One of four instructors through 2010, one of three instructors 2012-18) , a three-credit field course at the undergraduate level, 24-27 students. *Kemp Natural Resources Station. 3 weeks, ~May 15-June 6, even years, 2008-2018.*
- Co-Instructor, "Natural History and Conservation of Neotropical Birds," Forest and Wildlife Ecology 875/375, a 1 credit seminar for graduate/upper level undergraduate students. 14 students. *Fall semester 2017.*
- Co-Instructor, "Novelty in Bird Communities of Suburban and Exurban Landscapes," Forest and Wildlife Ecology 961, a 1-credit graduate student seminar. 12 students. *Fall semester 2015.*
- Instructor, "Terrestrial Vertebrate Ecology," Forest and Wildlife Ecology 306, 3-credits 2010-2013, 4 credits 2014-2015 undergraduate course. 46-54 students. *Spring semesters, 2010-2015.*
- Instructor, "Wildlife Habitat Relationships," Forest and Wildlife Ecology 375, a 3-credit undergraduate course. 10-17 students. *Spring semesters 2010, 2012, 2015.*
- Instructor, "Avian Ecology; the Role of Disturbance," Forest and Wildlife Ecology 961, a 1-credit graduate seminar. 10 students. *Spring semester 2009.*
- Co-Instructor "Statistical Modeling for Biodiversity Conservation," Forest and Wildlife Ecology 875, a 1-credit graduate seminar. 12 students. *Fall semester 2008*
- Senior Lecturer, "Principles of Wildlife Management," Wildlife Ecology 379, a 3-credit undergraduate core course. 54 students. *Spring semester 2007.*
- Instructor, *Forest Ecology and Management 655* (One of four instructors through 2010, one of three instructors 2012-16) , a three-credit field course at the undergraduate level, 24-27 students. *Kemp Natural Resources Station. 3 weeks, ~May 15-June 6 even years 2008-2018.*

### **GUEST LECTURES**

- Guest Lecture "Identifying birds-key visual characteristics in context of the annual cycle" in *Art 448: Introduction to Science Illustration*. 11 July 2018.
- Guest Lecture "Biodiversity and Landscape Management" in *Forest and Wildlife Ecology, Landscape Ecology*. 9 March 2017, 4 March 2015, 28 Feb 2013; 24 Feb 2011; 26 Feb 2009; 6 Feb. 2007; 24 May 2003.

- Guest lecture: “Current research in bird habitat interactions” in *Zoology 953, Introduction to Wisconsin Ecology*. 9 October 2012, 15 September 2014.
- Guest Lecture “American Woodcock ecology-background for game module” in *Computer Science 699, Agent Programming for Conservation Games*. 18 April 2012.
- Guest Lecture “Effects of habitat alteration on birds” in *Forestry and Wildlife 360, Extinction of Species*. 5 October 2009, 7 October 2010.
- Guest Lecture, “Forest Wildlife Habitat” in *Forest Ecology and Management 300, Forest Biometry*. 4 March 2009; 22 Feb. 2006; 18 Feb. 2005; 7 March 2004; 6 March 2003; 5 March 2001.
- Guest Lecture, “Sampling Wildlife Populations” in *Forest Ecology and Management 300, Forest Biometry*. 2 March 2009; 24 Feb. 2006, 16 Feb. 2005, 5 March 2004, 8 March 2003, 7 March 2001.
- Guest Lecture, “Forest Biodiversity – measures, values, threats” in *Forest Ecology and Management 550, Forest Ecology*. 8 December 2005.
- Guest Lecture, “Introduction to Forest Biodiversity” in *Forest Ecology and Management 550, Forest Ecology*. 5 December 2002.

## **PUBLIC SERVICE AND OUTREACH**

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2018. Bird Collision Corps. Collaborated with Madison Audubon Society in organizing citizen scientist project to gather data on UW campus buildings’ relative threat as sources of bird collision mortality. First survey conducted April 15- June 1 2018, second conducted Sept 5- October 30, 2018. Plans to conduct 1-2 additional seasons are in place.
- 2018 Bird banding; a research tool. Presentation and banding demonstration Wisconsin Society for Ornithology. ~15 May, 2018, 2017, 2015, 2016, 2014, 11-12 May 2013, 10-11 May 2012, 14-15 May 2011, 15 May 2010, 16-17 May 2009, 11-12 June 2008, 14-15 May 2007, 13-14 May 2006, 16 May 2005, 12 May 2004, 13 May 2003.
- 2017-18. Faculty advisor to Friends of Lakeshore Preserve Purple Martin Colony Establishment group.
2017. Pidgeon, A.M. The ecology and significance of bird-building mortality. Presented as part of Bird Collisions and Architecture, a Panel Discussion on the Economics, Ecology, and Design Methods to Reduce Bird Strike Incidence. Signe Skott Cooper Hall Auditorium UW-Madison April 7, 2017.
2016. Pidgeon, A.M. Avian population response to climate extremes and shifts, and the implications for future management. Center for Climate Research Climate Change Symposium, UW-Madison. April 1 2016.
2016. Impacts of housing and development on bird biodiversity. Presented at Kickapoo Valley Reserve as part of Ralph Nuzum Lecture Series, 22 June 2016
2016. Pidgeon, A.M. Urbanization Effects on Birds. August 28, 2016. Universidad di Chile, Santiago, Chile.
2016. Amphibians and Reptiles of Wisconsin Grasslands. Presented at Grassland Management Workshop, Barneveld, WI, 17 September 2016.
2016. InCommon Cover Story, “Entering an age of novelty” by Jenny Peek.

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\* Indicates student or post-doc I advised

2015. Pidgeon, A.M. Flying above the storm. University of Wisconsin Foundation's Bascom Hill Society Winter 2015 Showcase Series. 17 November 2015.
2014. Wisconsin State Journal article by Chris Rickert. City turkeys are a treat—and maybe someday, a tasty one.
2014. Our Northwoods Songbirds and the Challenges They Face. Science on Tap Science on Tap Featured Speaker, Minoqua Brewing Company. March 5, 2014.
2013. Pidgeon, A. M. The role of habitat refugia in mitigating the effects of climate on birds. Coping with Extreme Weather and Climate Change: Management strategies for the Upper Midwest Workshop. LaCrosse, WI. 20-21 November 2013
2011. Hamilton, C., V. C. Radeloff, A. M. Pidgeon P. Heglund, W. Thogmartin, D.P. Helmers. Housing growth, conservation corridors, and the United States Wildlife Refuge System. US Fish and Wildlife National Wildlife Refuge Vision Conference, Madison, WI. July 2011.
2008. Pidgeon, A.M. How development changes bird communities. Madison Audubon Society., Madison, WI 18 November 2008.
2005. Pidgeon, A.M. How have forest bird populations responded to human activities? Presentation to Riveredge Bird Club, Newburg, WI. 5 July 2005.
2003. Pidgeon, A. M. Wisconsin Birds Up Close; a discussion of threats to breeding birds, and banding demonstration. Kemp Natural Resources Station, Woodruff, WI. 15 August 2003.
2000. Pidgeon, A.M. Spatial patterns of avian productivity in the northern Chihuahuan Desert. Madison Ecology Group Symposium. 24 March 2000.

#### **OTHER QUALIFICATIONS**

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Master Bander, Permitted by U.S.G.S. Bird Banding Lab