

CURRICULUM VITAE

JAMES D. Fraser

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ADDRESS

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EDUCATION

University of Minnesota	Ph.D.	Wildlife	1981
University of Minnesota	M.S.	Wildlife	1978
University of Idaho	B.S.	Wildlife-Fishery Res.	1974
SUNY Maritime College	B.S.	Marine Transportation	1968

EMPLOYMENT

1992 - Present	Professor Department of Fisheries and Wildlife Sciences Virginia Polytechnic Institute and State University Blacksburg, Virginia 24061
1986 - 1992	Associate Professor Department of Fisheries and Wildlife Sciences Virginia Polytechnic Institute and State University
1981 - 1986	Assistant Professor Department of Fisheries and Wildlife Sciences Virginia Polytechnic Institute and State University
1974 - 1981	Research Assistant Department of Entomology, Fisheries, and Wildlife University of Minnesota
1978	Teaching Assistant Department of Entomology, Fisheries, and Wildlife University of Minnesota

1972 - 1973 Wildlife Research Technician
 College of Forestry, Wildlife and Range Sciences
 University of Idaho

1971 - 1972 Yard Manager
 Stuyvesant Yacht Club
 City Island, New York

1968 - 1971 Ship's Officer
 U.S. Merchant Marine

PROFESSIONAL AFFILIATIONS

American Ornithologists' Society
 Association of Field Ornithologists
 Raptor Research Foundation
 The Wildlife Society
 Virginia Academy of Science
 Virginia Society of Ornithology
 Waterbird Society
 Western Hemisphere Shorebird Group
 Wilson Ornithological Society

STATE AND NATIONAL COMMITTEES AND OFFICES

Society for Conservation Biology
 Chair, local committee for 1992 meeting

Raptor Research Foundation
 International Council for Bird Preservation Representative, 1989 -
 Secretary 1984 - 1990
 Representative to Endangered Species Coalition 1992 -
 Representative to the Ornithological Council 1992 -
 Chairman, Conservation Committee 1990 -
 William C. Anderson Award Committee, Member 1982, Chairman
 1983,
 1985, 1987
 Resolutions Committee, 1983
 Annual Meeting Committee, 1983-1987
 Chairman, Arrangements Committee, 1984
 Chairman, Scientific Program Committee, 1984
 The Wildlife Society
 Virginia Chapter
 Nominations Committee 1987-1988

STATE AND NATIONAL COMMITTEES AND OFFICES, *continued*

President 1984-1985

President-Elect 1983-1984

Treasurer 1982- 1983

International Affairs Committee, 1982-present

Membership Committee, Southeast Section, 1982-1983

Wilson Ornithological Society

Arrangements Committee, 1982 (Annual Meeting at Virginia Tech)

Member, Planning Committee, Caledon Natural Area, Virginia

Steering Committee, Symposium to create a new vision for management of New York's barrier Islands

Member, Committee for Management of Eastern Flyway Shorebirds

Member, Delaware Bay Ecosystem Technical Committee.

Member, Interagency task force, long range planning for endangered species in New York Barrier Islands.

Waterbird Society

Counsellor

Co Chair Membership Committee

Publications committee

Western Hemisphere Shorebird Group

Executive Committee

Chair, Local Committee 2015 meeting, Wallops Island, VA

HONORS AND AWARDS

Best monograph award from the Wildlife Society, 2011.

Elective Member, American Ornithologists Union, 1992

President's Award for Service, Raptor Research Foundation, 1990

Honorary Life Membership, Hawk Watcher Registry

Best paper award, Southeast section of The Wildlife Society, 1993

Gamma Sigma Delta (Agriculture)

Phi Kappa Phi (Scholarship)

Phi Sigma (Biology)

Xi Sigma (Forestry)

AWARDS TO STUDENTS UNDER MY DIRECTION

- Chelsea Weithman, Best M.S. student in College of natural Resources and Environment, 2018
- Dan Catlin, Outstanding Ph.D. student, College of Natural Resources, Virginia Tech, 2008.
- Dan Catlin, Burd McGinnis Fellowship, Department of Fisheries and wildlife Sciences, Virginia Tech 2008
- James Dwyer 2014. Best student paper published in the Journal of Field Ornithology. Association of field Ornithologists.
- Jonathan Cohen, Larry Houghton. Coauthors on paper which received the Wildlife Societies best monograph award in 2011.
- Dan Catlin – Patrick F. Scanlon award to an outstanding graduate student. 2007.
- Jim Berkelman - Leslie Brown Memorial Research Award. Awarded by the Raptor Research Foundation for excellent research on a bird of Prey, November 1994.
- John P. Loegering - A. B. Massey Award for the outstanding graduate student, Department of Fisheries and Wildlife Sciences, VPI&SU, 1991.
- David A. Buehler - Gamma Sigma Delta Dissertation Award, for the best dissertation, VPI, College of Agriculture, 1991.
- David A. Buehler - A.B. Massey Award for outstanding graduate student, Department of Fisheries and Wildlife Sciences, VPI&SU, 1989.
- Michael Patterson - A.B. Massey Award for outstanding graduate student, Department of Fisheries and Wildlife Sciences, VPI&SU, 1988.
- Mary Beth Moss - A.B. Massey Award for outstanding graduate student, Department of Fisheries and Wildlife Sciences, VPI&SU, 1986.
- Kevin McGarigal - Best paper award - Southeast Student Conclave Gainesville, FL. February 18-20, 1983.
- Kevin McGarigal - Best paper award - Southeast Wildlife Conclave, Baton Rouge, LA. February 17-22, 1982.

RESEARCH FOCI

- Effects of the DWH Oil Spill on the threatened/endangered piping plover
- Effects of Military jet overflights on nesting shorebirds
- Ecology of the Madagascar Fish Eagle
- Reforestation and biodiversity restoration in Madagascar
- Ecology of Nilgiris Tahr, India
- Red knot Migration Ecology
- Caracara ecology in Florida
- Piping plover ecology on North Carolina's Outer Banks
- Piping Plover Ecology in the American Great Plains
- Possible effects of herring and great black-backed gulls on breeding plovers on south Monomoy Island, Cape Cod, Massachusetts
- Effects of beach management practices on piping plovers, seabeach amaranth and associated other organisms

RESEARCH FOCI, continued

Piping plover ecology in New York

Impact of human disturbance on bald eagles in North Carolina

Piping plover nesting and foraging biology on Assateague Island, with emphasis on the impact of human disturbance

Factors regulating bald eagle distribution and abundance in Maryland and Virginia

Status of the loggerhead shrike in Virginia

Habitat and home range of black and turkey vultures in Pennsylvania

Public attitudes toward nongame wildlife management programs in Virginia

Roost dynamics of black and turkey vultures in Virginia

Effect of forest management practices on wildlife populations in Virginia

Bald eagle breeding biology and status in Minnesota

Measurement of bald eagle reproductive parameters in Minnesota

TEACHING

Principles of wildlife management - Junior level; 1981 - 1985

Ecological concepts in wildlife management - Graduate level; 1983-1986

Wildlife ecology - Junior level; 1986 - 1994

Endangered species management- Graduate level; 1987 – present

Conservation of biological diversity, Senior Level, 1995 - 2015

GRANTS

PI \$ 26.8 million

FIMI effectiveness monitoring, Piping Plovers in New York USACE, USFWS \$8,954,029

FIMI effectiveness monitoring, red foxes in New York Sarah Karpanty Lead. USACE, USFWS\$1,441,943

Piping Plover adaptive management at Cape Hatteras National Seashore \$356,723

Historical data analysis and management of beach organisms, Cape Hatteras National Seashore. \$283,786.

Response to flooding of least terns and piping plovers on the Missouri River. U.S. Army COE. \$3,131,742

Response of piping plovers and their invertebrate prey to habitat changes created by hurricane sandy and humans. USFWS/USCOE \$801,200.

Red knot migration ecology in Virginia. USFWS. \$29,000.

GRANTS, continued

Natural Resource Damage Assessment Work Plan For Determining Injury To The Piping Plover Gulf Oil Spill). \$ 4,116,704

Effects of land conversions on crested caracaras in Florida: a pilot study \$133,649 (with Sarah Karpanty)

Defense Coastal Estuarine Research Program \$285,775

Piping plover population dynamics on natural and engineered sandbars. U.S. Army Corps of Engineers. \$746,683

Caracara Gathering Areas in Florida. U.S. Fish and Wildlife Service. \$1,048,579.

Factors affecting piping plover nesting density and population numbers on the Missouri River. U.S. Army Corps of Engineers. \$1,908,903

Migration Ecology of the Red Knot. National Marine Fisheries Service. \$744,929.

Foraging Ecology of Great Plains Piping Plovers, USACE, USFWS \$461,446

Factors Affecting Southwest Willow Flycatcher Populations, Southern Sierra Research Station. \$81,221

Effects of Beach Management on Plovers in New York, USACE, USGS, BRD \$945,603.

Effects of gulls on piping plovers on South Monomoy Island, MA, USGS, BRD, \$335,126

Habitat requirements of the Madagascar fish eagle. National Geographic, Peregrine fund. \$36,400 (includes \$20,000 of in-kind support in Madagascar).

Bald eagle management support. Department of the Navy. \$10,000.

Ecology and population Dynamics of the Nilgiris Tahr. U.S. Fish and Wildlife Service. \$60,500.

Ecology and population Dynamics of the Nilgiris Tahr. Minnesota Zoo. \$1,500

Piping plover ecology on New York's Barrier Islands National Park Service, U.S. Fish and Wildlife Service. \$98,000.

Factors affecting the distribution and abundance of bald eagles on the Chesapeake Bay, Phase II. U.S. Army/U.S. Fish and Wildlife Service. \$732,000

A survey of piping plovers on Cape Hatteras and Cape Lookout National Seashores. National Park Service. 1 year. \$39,000.

Impact of human activities on piping plovers nesting on Assateague Island Virginia. U.S. Park Service/VA Department of Game and Inland Fisheries. \$118,378.

Ecology, habitat, and management of the Jordan Lake-Falls Lake bald eagles. U.S. Army Corps of Engineers/U.S. Fish and Wildlife Service. \$239,245.

Distribution, abundance, and habitat of the bald eagle on the Chesapeake Bay. U.S. Army/U.S. Fish and Wildlife Service. \$706,507.

GRANTS, continued

Survey of the bald eagle. U.S. Army. \$119,300.

Status of the loggerhead shrike in Virginia. U.S. Fish and Wildlife Service, Virginia Commission of Game and Inland Fisheries, Bailey Research Trust. \$77,261.

Summer home range and habitat of the Gettysburg vultures. National Park Service. \$16,100.

Virginia's Nongame Wildlife program: What the public wants. Virginia Commission of Game and Inland Fisheries. \$29,800.

Travel grant to speak at Bald Eagle Symposium. Eagle Valley Environmentalists, Winnipeg, Canada. \$600.

Participation in Academic Enrichment Program. Tennessee Valley Authority. \$ 1,040

Co-PI \$1.1 million

Assessing The Responses Of Breeding Shorebirds To Military Jet Overflights Of The Core Moa At Cape Lookout National Seashore (with Sarah Karpanty) \$678,582

Forecast effects of accelerating sealevel rise on the habitat of Atlantic Coast piping plovers and identify responsive conservation strategies. \$408, 890.

Reforestation of Biodiversity and economic values to degraded rainforest and agricultural landscapes in Southeastern Madagascar (with S. M. Karpanty and P. C. Wright) USAID. \$45,994.

Evaluation of impact of white-tailed deer on soybean crops in Virginia (co-investigator with P. F. Scanlon). Virginia Commission of Game and Inland Fisheries. \$58,000.

REFEREE FOR (partial list)

Journal of Wildlife Management,
 Wildlife Monographs (Associate editor No. 86)
 Wildlife Society Bulletin
 Proceedings of the Conference of the Southeastern Association of Fish and Wildlife
 Agencies
 Wilson Bulletin
 Raptor Research
 Ecology
 Condor
 Auk
 Emu
 Biological Conservation
 Journal of Restoration Ecology
 Journal of Experimental Biology
 Waterbirds

PUBLICATIONS (n = 133 refereed publications)

*denotes graduate student reporting on results of graduate research

Book Chapter

Fraser, J.D. and D.H. Catlin. 2019. Habitat Ecology and Conservation of Charadrius Plovers. Pp. 217–243 in Colwell and Haig (editors). The Population Ecology and Conservation of Charadrius Plovers (no. 52), CRC Press, Boca Raton, FL.

Monographs

Cohen, J.B. *, L.M. Houghton, and J. D. Fraser. 2009. Nesting density and reproductive success of piping plovers in response to storm and human-created habitat changes. Wildlife Monographs. 173:1-24 WON THE WILDLIFE SOCIETY'S MONOGRAPH AWARD, 2011

Catlin, D.H., J.D. Fraser, and J.H. Felio*. 2015. Demographic responses of piping plovers to habitat creation on the Missouri River. Wildlife Monographs 192: 1–42.

Other Publications in Refereed Journals n = 131

- Hou, J., Y. Liu, J.D. Fraser, L. Li, B. Zhao, Z. Lan, J. Jin, G. Liu, N. Dai, W. Wang. 2020. Drivers of a habitat shift by critically endangered Siberian cranes: Evidence from long-term data. *Ecology and Evolution*: DOI: 10.1002/ece3.6720
- Monk, J.D.*, E. Kwon, A.L. DeRose-Wilson, S.G. Robinson, H.A. Bellman, S.M. Karpanty, D.H. Catlin, and J.D. Fraser. 2020. Extensive use of intertidal habitat by shorebirds outside protected nesting areas. *Journal of Wildlife Management*: 84(7):1338–1347. DOI:10.1002/jwmg.21908.
- Weithman, C.E., J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2020. Relationship of current management practices to movements of Piping Plover broods in an Atlantic Coast population. *Journal of Field Ornithology*. 91(2):170-188 DOI: 10.1111/jfo.12333.
- Robinson, S.G., C.E. Weithman, H.A. Bellman, S.P. Prisley, J.D. Fraser, D.H. Catlin, and S.M. Karpanty. 2020. Assessing error in locations of conspicuous wildlife using handheld GPS units and location offset methods. *Wildlife Society Bulletin*:44(1):163–172. DOI:10.1002/wsb.1055
- Hunt, K. L., D. Gibson, M.J. Friedrich, C.J. Huber, J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2020. Using nest captures and video cameras to estimate survival and abundance of breeding piping plovers *Charadrius melodus*. *Ibis* 162:1–12. DOI: 10.1111/ibi.12726
- Wang, W., J.D. Fraser, and J. Chen. 2019. Distribution and long-term population trends of wintering waterbirds in Poyang Lake, China. *Wetlands* 39(Suppl. 1):S125–S135. doi:10.1007/s13157-017-0981-6.
- Catlin, D.H., D. Gibson, M.J. Friedrich, K.L. Hunt, S.M. Karpanty, and J.D. Fraser. 2019. Habitat selection and potential fitness consequences of two early-successional species with differing life-history strategies. *Ecology and Evolution* 9:13966–13978. DOI: 10.1002/ece3.5834
- Zeigler, S.L., B.T. Gutierrez, E.J. Sturdivant, D.H. Catlin, J.D. Fraser, A. Hecht, S.M. Karpanty, N.G. Plant, E.R. Thieler. 2019. Using a Bayesian network to understand the importance of coastal storms and undeveloped landscapes for the creation and maintenance of early successional habitat. *PLOS ONE* 14(7):e0209986. DOI: [10.1371/journal.pone.0209986](https://doi.org/10.1371/journal.pone.0209986)

Publications, continued

- Weithman, C.E.*, S.G. Robinson*, K.L. Hunt, J. Altman, H.A. Bellman, A.L. DeRose-Wilson, K.M. Walker*, J.D. Fraser, S.M. Karpanty, D.H. Catlin. 2019. Growth of two Atlantic Coast Piping Plover populations. *The Condor: Ornithological Applications* 121:1–14. DOI: 10.1093/condor/duz037.
- Robinson, S.G.*, H.A. Bellman, K. Thyberg, J.D. Fraser, D.H. Catlin, and S.M. Karpanty. 2019. Observations of double brooding and inbreeding of piping plovers on Fire and Westhampton Islands, New York. *Northeastern Naturalist* 26 (3): N38–N42.
- Robinson, S.G.*, J.D. Fraser, D.H. Catlin, S. Karpanty, J. Altman, R. Boettcher, K. Holcomb, C. Huber, K.L. Hunt, and A. Wilke. 2019. Irruptions: evidence for breeding season habitat limitation in Piping Plover (*Charadrius melodus*). *Avian Conservation and Ecology* 14 (1):19. DOI:10.5751/ACE-01373-140119
- Gibson, D., A.D. Hornsby, M.B. Brown, J. Cohen, L. Dinan, J.D. Fraser, M. Friedrich, C.L. Gratto-Trevor, K.L. Hunt, M. Jeffery, J. Jorgensen, P. Paton, S. Robinson, J. Rock, M. Stantial, C. Weithman, and D.H. Catlin. 2019. Migratory bird adheres to Bergmann's Rule by responding to environmental conditions throughout the annual lifecycle. *Ecography* 42(8): 1482–1493. DOI:10.1111/ecog.04325
- Walker, K.M.*, J.D. Fraser, D.H. Catlin, S.J. Ritter, S.G., Robinson*, H.A. Bellman, A. DeRose-Wilson, S.M. Karpanty, and S.T. Papa. 2019. Hurricane Sandy and engineered response created habitat for a threatened shorebird. *Ecosphere*:10(6):e02771. DOI:10.1002/ecs2.2771
- Catlin, D.H., D. Gibson, K.L. Hunt, M.J. Friedrich, C.E. Weithman*, S.M. Karpanty, and J.D. Fraser. 2019. Direct and indirect effects of nesting density on survival and breeding propensity of an endangered shorebird. *Ecosphere*: 10(6):e02740. DOI: 10.1002/ecs2.2740.
- Heller, E.L.*, S.M. Karpanty, and J. D. Fraser. 2019. Depredation of a Snowy Egret *Egretta thula* by a Pomarine Jaeger *Stercorarius pomarinus* in Virginia. *Marine Ornithology* 47:29-31.
- Kwon, E., L. Houghton, R. Settlage, D.H. Catlin, S.M. Karpanty, and J.D. Fraser. 2018. Estimating transient populations of unmarked individuals at a migratory stopover site using generalized N-mixture models. *Journal of Applied Ecology*, 55(6): 2917–2932. DOI: 10.1111/1365-2664.13243.

Publications, continued

- DeRose-Wilson, A.L., K.L. Hunt, J.D. Monk**, D.H. Catlin, S.M. Karpanty, and J.D. Fraser. 2018. Piping plover chick survival negatively correlated with beach recreation. *Journal of Wildlife Management*, 82(8):1608–1616. DOI:10.1002./jwmg.21552.
- Gibson, D. T.V. Riecke, T. Keyes, C. Depkin, J.D. Fraser, and D.H. Catlin. 2018. Application of Bayesian robust design model to assess the impacts of a hurricane on shorebird demography. *Ecosphere* 9(8):e02334. DOI: 10.1002/ecs2.2334.
- Gibson, D., M.K. Chaplin, K.L. Hunt, M.J. Friedrich*, C.E. Weithman*, L.M. Addison, V. Cavalieri, S. Coleman, F.J. Cuthbert, J.D. Fraser, W. Golder, D. Hoffman, S.M. Karpanty, and D.H. Catlin. 2018. Impacts of anthropogenic disturbance on body condition, survival, and site fidelity of nonbreeding piping plovers. *Condor* 120: 566–580. DOI: 10.1650/CONDOR-17-148.1.
- Nefas, S.M.**, K.L. Hunt*, J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2018. Least tern (*Sternula antillarum*) nest success and chick survival on the Missouri River following historic flooding. *Wilson Journal of Ornithology*, 130(2): 371–376. doi: 10.1676/16-210.1
- Kwon, E., J.D. Fraser, D.H. Catlin, S.M. Karpanty, C.E. Weithman*, and B. Muiznieks. 2018. Presence of ghost crabs and piping plover nesting success. *Journal of Wildlife Management* 82(4): 850–856. doi:10.1002/jwmg.21422.
- Cohen, J.B., S.B. Maddock, M.K. Bimbi, W.W. Golder, O.E. LeDee, F.J. Cuthbert, D.H. Catlin, J.D. Fraser, and C.L. Gratto-Trevor. 2018. State uncertainty models and mark-resight models for understanding nonbreeding site use by piping plovers. *Ibis* 160: 342–354. doi:10.1111/ibi.12546.
- Weithman, C.E.*, D. Gibson, K.M. Walker*, S. B. Maddock, J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2018. Discovery of an important stopover location for migratory piping plovers (*Charadrius melodus*) on South Point, Ocracoke Island, North Carolina. *Waterbirds* 41: 56–62.
- Hunt, K.L.* , J.D. Fraser, M.J. Friedrich*, S.M. Karpanty, and D.H. Catlin. 2018. Demographic response of an imperiled bird suggests that engineered habitat restoration is no match for natural riverine processes. *Condor: Ornithological Applications* 120(1): 149–165. doi: 10.1650/CONDOR-17-93.1.

Publications, continued

- Dwyer, J.F. J.D. Fraser, and J.L. Morrison. Evolution of communal roosting: a social refuge-territory prospecting hypothesis. *Journal of Raptor Research*. 52:407-419.
- Nefas, S.M.***, K.L. Hunt*, J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2018. Least tern (*Sternula antillarum*) nest success and chick survival on the Missouri River following historic flooding. *Wilson Journal of Ornithology*, in press.
- Kwon, E., J.D. Fraser, D.H. Catlin, S.M. Karpanty, C.E. Weithman, and B. Muiznieks. 2018. Presence of ghost crabs and piping plover nesting success. *Journal of Wildlife Management* 82:850-856. doi:10.1002/jwmg.21422.
- Cohen, J.B., S.B. Maddock, M.K. Bimbi, W.W. Golder, O.E. LeDee, F.J. Cuthbert, D.H. Catlin, J.D. Fraser, and C.L. Gratto-Trevor. 2018. State uncertainty models and mark-resight models for understanding nonbreeding site use by piping plovers. *Ibis* 160: 342–354. doi:10.1111/ibi.12546.
- Wang, W., J.D. Fraser, and J. Chen. 2017. Distribution and long-term population trends of wintering waterbirds in Poyang Lake, China. *Wetlands*. doi:10.1007/s13157-017-0981-6.
- Weithman, C.E.*, D. Gibson, K.M. Walker*, S. B. Maddock, J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2018. Discovery of an important stopover location for migratory piping plovers (*Charadrius melodus*) on South Point, Ocracoke Island, North Carolina. *Waterbirds* 41: 56-62.
- Hunt, K.L.* , J.D. Fraser, M.J. Friedrich*, S.M. Karpanty, and D.H. Catlin. 2018. Demographic response of an imperiled bird suggests that engineered habitat restoration is no match for natural riverine processes. *Condor: Ornithological Applications* 120(1): 149–165. doi: 10.1650/CONDOR-17-93.1.
- Hunt, K.L.* , J.D. Fraser, S.M. Karpanty, and D.H. Catlin. 2017. Piping Plover (*Charadrius melodus*) body condition and prey abundance on flood-created habitat on the Missouri River, USA. *Wilson Journal of Ornithology* 129 (4): 754–764. doi: 10.1676/16-180.1.
- Zeigler, Sara; Thieler, E.; Gutierrez, Benjamin; Plant, Nathaniel; Hines, Megan; Fraser, James; Catlin, Daniel Smartphone technologies and Bayesian networks to assess shorebird habitat selection. *Wildlife Society Bulletin* 41: 666-667

Publications, continued

- Weithman, C.E.*, D. Gibson, K. Hunt*, M. Friedrich*, J. Fraser, S.M. Karpanty, and D.H. Catlin. 2017. Senescence and carryover effects of reproductive performance influence migration, condition, and breeding propensity. *Ecology and Evolution* 7: 11044–11056. doi:10.1002/ece3.3533.
- Gibson, D., Catlin, D. Fraser, J. Karpanty, S. Hunt, K. Friedrichm, M. Bimbi, M. Maddock, S. and Cohen J. 2017. Evaluating the impact of man-made disasters on imperiled species: Piping plovers and the Deepwater Horizon oil spill. *Biological conservation*. 212:48-62.
- Smith, J.A. J.F. Dwyer, J.D. Fraser, and J.L. Morrison. 2017. A habitat model to aid in the conservation of crested Caracaras. *Journal of Wildlife Management* 81:712-719.
- Zeigler, S.L. D.H. Catlin, M. Bomberger Brown, J.D. Fraser, L.R. Dinan, K.L. Huint, J.G. Jorgenson. 2016. Metapopulation viability of an endangered shorebird depends on dispersal and human-created habitats: piping plovers and Prairie Rivers. *Movement ecology*. 4:6.
- Friedrich, M.J.*, K.L. Hunt*, D.H. Catlin, and J.D. Fraser. 2015 The importance of site to mate choice: Mate and site fidelity in Piping Plovers. *The Auk: Ornithological advances*. 132: 265-276.
- Davis, K.L., D. K.L. Schohoenman, D. Catlin, K.L. Hunt, M. Friedrich, S.J. Ritter, J.D. Fraser, S.M. Karpanty. 2017. Hatch-year Piping Plover prospecting and habitat quality influence second year nest site selection. *Auk*. 134: 92-103.
- Catlin, D.H. O.Milenkaya*, K.L. Hunt*, M.J. Friedrich*, and J.D. Fraser. 2014. Can river management improve the piping plover's long-term survival on the Missouri River? *Biological Conservation* 180: 196-205.
- Gieder, K.D.*, S.M. Karpanty, J.D. Fraser, D.H. Catlin, B.T. Guttrierrez, N.G. Plant, A.M. Turecek and E. R. Thieler. 2014. A Bayesian network approach to predicting nest presence of the threatened piping plover (*Charadrius melodus*) using barrier island features. *Ecological modelling* 276: 38-50.
- Hunt, K. L*., N. Taygan, D.H. Catlin, J.H. Felio*, and J.D. Fraser. 2013. Demography of Snowy Plovers (*Charadrius nivosus*) on the Missouri River. *Waterbirds* 36: 220-224.
- Dwyer, J.D.*, J.D. Fraser, and J.L. Morrison. 2013. Range sizes and habitat use of non-breeding crested caracaras in Florida. *Journal of Field Ornithology* 84:223-233. WON BEST STUDENT PAPER AWARD FROM THE ASSOCIATION OF FIELD ORNITHOLOGISTS

Publications, continued

- Hunt, K.L.*, D.H. Catlin, J.H. Felio*, and J.D. Fraser. 2013. Effect of capture frequency on the survival of Piping Plover chicks. *Journal of Field Ornithology* 84:299 -303.
- Hillman, M.D.*, Karpanty, S.M., Fraser, J.D. 2013. Nest and breeding population abundance of Least Terns: Assessing bias and variation in survey timing and methods. *Journal of Field Ornithology* 84: 287-298.
- Derose-Wilson, A.D*., Fraser, J.D., Karpanty, S.M., and Catlin, D.H. 2013. Nest site selection and demography of Wilson's plovers on a North Carolina Barrier Island. *Journal of Field Ornithology* 84:329-344.
- Fraser, J.D., S.M. Karpanty, J.B. Cohen, B. R. Truitt. 2013. The Red Knot (*Calidris canutus rufa*) decline in the Western Hemisphere: is there a lemming connection? *Canadian Journal of Zoology* 91:13-16.
- Catlin, D. H., J.H. Felio* and J. D. Fraser. 2012. Comparison of piping plover foraging habitat on artificial and natural sandbars on the Missouri River. *The Prairie Naturalist*. 44(1) 3-9.
- Dwyer, J. F.*, J.L. Morrison, and J.D. Fraser. 2012. Within-Year Survival of Nonbreeding Crested Caracaras. *The Condor* 114(2):295-301. 2012
- Dwyer, J. F.*, J.D. Fraser and J. L. Morrison: 2012. Factors influencing detection of nesting crested caracaras. *The Journal of Wildlife Management*. 76: 857–862
- Gratto-Trevor, C. D. Amirault-Langlais, D. Catlin*, F. Cuthbert, J. Fraser, S. Maddock, E. Roche, and F. Shaffer. 2012. Connectivity in piping plovers: do breeding populations have distinct wintering distributions? *Journal of Wildlife Management* 76(2):348-355.
- Karpanty, S.M., Cohen, J., Fraser, J.D., and Berkson, J. 2011. Evidence of sufficient horseshoe crab eggs for a reduced red knot population during spring migration stopover in Delaware Bay USA. *Journal of Wildlife Management* 75: 984-994.
- Roche, E., J.B. Cohen*, D.H. Catlin*, D. Amirault, F. Cuthbert, C. Gratto-Trevor, J.H. Felio, and J.D. Fraser. Range-wide Estimation of Apparent Survival for the Piping Plover *Journal of Wildlife Management* 74: 1784-1791. .

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