R. GREGORY CORACE III, PH.D.
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PROFESSIONAL INTEREST

My professional interest is to advance ecosystem, community, and species-level biodiversity conservation and restoration across spatial scales and land ownerships and to integrate this work with applied research, tertiary education, and outreach.

EDUCATION

Michigan Technological University, Houghton, MI — 2007
Ph.D., Forest Science, Dissertation: "Using Multiple Spatial Scales to Prioritize Midwest Openland Bird Conservation"

Northern Michigan University, Marquette, MI — 1997
M.S., Biology, Thesis: "East African Freshwater Crab Taxonomy and Systematics"

US Peace Corps, Botswana — 1994
Science Instructor Certificate

Northern Michigan University, Marquette, MI — 1993
B.S., Zoology (Honors)

LICENSES AND CERTIFICATIONS

- American Tree Farm System Certified Inspector
- Michigan Forest Stewardship Plan Writer
- Michigan Registered Forester #663
- Leadership Fundamentals Program (Center for Creative Leadership, Dec. 6-7, 2011, San Francisco, CA)
- NCTC Scientific Writing for Publication (Instructor)
- WLD2125, Habitat Management Planning (USFWS)
- National Conservation Training Center (NCTC) Applied Supervision (USFWS)
- NCTC Refuge Academy (USFWS)
- Firefighter Type 2 Certification
- Introduction to Fire Effects, Rx-310
- Intermediate Wildland Fire Behavior, S-290
- Introduction to Wildland Fire Behavior, S-190
- Human Factors on the Fireline, L-180
- Firefighter Training, S-130
- Introduction to Incident Command System, I-100
- Firefighter "Red Card" Certified (2002-2011)
- DOI Motorboat Operator Certification with Open Water Module (USFWS)
- ATV Operations, NSA03 (USFWS)
- Snowmobile Operations (USFWS)
- Michigan Department of Agriculture Certified Commercial Pesticide Applicator (2003-2010)
- Michigan Wildlife Division Firearm Safety Training (2011)

NATURAL RESOURCE MANAGEMENT POSITIONS

Forestry Assistance Program (Forest-Wildlife Ecologist), Alpena-Montmorency Conservation District — 2019+

US Fish and Wildlife Service-Wildlife Biologist, Seney NWR (GS-12) — 2012-2018

US Fish and Wildlife Service-Forester, Seney NWR (GS-11) — 2002-11

US Fish and Wildlife Service-Acting Regional Forester, Region 4 (February-March) — Winter 2009

US Fish and Wildlife Service-Visiting Biologist, Bahamas (February-March) — Winter 2008

US Fish and Wildlife Service-Visiting Biologist, Cabo Rojo and Desecheo NWRs, Puerto Rico (March) — Winter 2004

OTHER PROFESSIONAL EXPERIENCES

Forest Ecology and Management Partnership Detail-R4 (February-March)	2016
US Fish and Wildlife Service-Great Lakes Biological Network Leader (Interim)	2014
R3 Great Lakes Biological Network Forest Rapid Ecological Assessment (Leader)	2010-11
Forest Ecology and Management Consultation-Ottawa NWR	2008
R3 Great Lakes Biological Network Forest Ecology and Management Workshop-Seney NWR (Leader)	2007
Forest Ecology and Management Consultation-Shiawassee NWR	2007
Forest Ecology and Management Consultation-Rice Lake NWR	2007
Biological Review-Tamarac NWR	2006
R3 Biological Workshop Committee	2006

MULTI-AGENCY ORGANIZATION AND COOPERATION

- **Forestry Assistance Program (2019+):** in this position I work to promote ecologically-based forest and wildlife management on private lands by interacting with the local, state, and federal government agencies. On behalf of private landowners, state partners include the Michigan Department of Agriculture and Rural Development and the Michigan DNR. The Federal partners is the USDA Natural Resources Conservation Service.
- **Eastern Upper Peninsula Partners in Ecosystem Management (EUPPEM) Chair (2015-2018):** the eastern Upper Peninsula has millions of acres of public lands and hundreds of thousands of acres of corporate timber lands. This group consists of representatives of the US Fish and Wildlife Service, National Park Service, US Forest Service, Michigan DNR, The Nature Conservancy, other conservancies, the Forest Land Group, etc. As Chair from 2015-2018, my task was to facilitate face-to-face meetings and related communication.
- **Huron Mountain Club Forest Management Committee (2012-2019)**: participated on a committee to provide expertise on the assessment and management of mixed-pine ecosystems at one of the largest (and oldest) private clubs in Michigan.
- **Kirtland's Warbler Wildlife Management Area (2002-2018)**: as the first-level coordinator for this land unit, I provided key interaction with US Forest Service and Michigan Department of Natural Resources personnel on the management of habitat for Kirtland's warbler, monitoring of populations of this species, and applied research projects from 2002-2018.
- **US Coast Guard and Common Terns (2002-2018)**: one of the larger Common Tern colonies in the Upper Great Lakes is located at a US Coast Guard Facility in St. Ignace. My task from 2002-2018 was to work with Station Commanders, Vessel Commanders, and USCG Attorneys on minimizing human impacts to nesting birds at an Important Bird Area in Michigan. In 2011, I drafted a formal conservation plan for these birds which was signed by USCG.

OTHER PROFESSIONAL LEADERSHIP EXPERIENCE (COOPERATORS)

• Past-Chair, The Wildlife Society Forestry and Wildlife Working Group (National)	2018 and 2019
• National Chair, The Wildlife Society Forestry and Wildlife Working Group (National)	2016 and 2017
• US Fish and Wildlife Service Forest Ecology Working Group	2016+
• Upper Midwest-Great Lakes Landscape Conservation Cooperative Northern Forest Workgroup	2015+
• Forsythe National Wildlife Refuge Forest Assessment Review Committee)	2014
• Lake States Fire Science Consortium (Co-PI; State, Federal, Other)	2009+
• Conservation Innovation Grant Committee (State, Federal, Other)	2009
• Midwest Jack Pine Symposium Committee (State, Federal, Other)	2009
• Great Lakes Biology Network Forest Ecology and Management Meeting Committee (USFWS)	2008
• Upper Peninsula Invasive Plant Council (State, Federal, and Non-Profit Organizations)	2008+
• Michigan Forest Legacy Program Sub-Committee (State, Federal, Private)	2008-2013
• Michigan Important Bird Areas Technical Committee (State, Federal, University, Non-Profit)	2006-10
• Eastern Upper Peninsula Partners in Ecosystem Management Committee (State, Federal, Non-Profit)	2006-08
• US Fish and Wildlife Service Regions 3/5 Forest Workshop Committee (USFWS)	2006
• Michigan Bird Conservation Initiative Advisory Committee (State, Federal, Non-Profit)	2005-07
• US Fish and Wildlife Service Biological Workshop Conference Committee (USFWS)	2006

CONSERVATION PLANNING AND POLICY DOCUMENTS

- US Fish and Wildlife Service (**R.G. Corace III** primary author). 2016. Inventory and Monitoring Plan for Seney NWR. USFWS Regional Office, Fort Snelling, MN.
- US Fish and Wildlife Service (**R.G. Corace III** primary author). 2015. Habitat Management Plan for Huron, Harbor Island, and Michigan Islands NWR. USFWS Regional Office, Fort Snelling, MN.

- US Fish and Wildlife Service (**R.G. Corace III** primary author). 2013. Habitat Management Plan for Seney NWR. USFWS Regional Office, Fort Snelling, MN.
- US Fish and Wildlife Service (**R.G. Corace III** primary author). 2013. Habitat Management Plan for Kirtland's Warbler WMA. USFWS Regional Office, Fort Snelling, MN.
- US Fish and Wildlife Service (**R.G. Corace III** contributor). 2012. Huron NWR, Harbor Island NWR, and Michigan Islands NWR Comprehensive Conservation Plans. Regional Office, Fort Snelling, MN.
- US Fish and Wildlife Service (**R.G. Corace III** contributor). 2012. Forest management business guidance document-NWRS Southeast Region, Atlanta, GA.
- **Corace, R.G. III**, Shartell, L.M., Brininger, W.L. Jr. and R.S. King. 2009. Assessment of ecoregional spatial patterns for National Wildlife Refuges of the Great Lakes Biology Network. Seney, NWR.
- US Fish and Wildlife Service (**R.G. Corace III** major contributor). 2009. Seney National Wildlife Refuge Comprehensive Conservation Plan. Regional Office, Fort Snelling, MN.
- US Fish and Wildlife Service (**R.G. Corace III** primary contributor). 2009. Kirtland's Warbler Wildlife Management Area Comprehensive Conservation Plan. Regional Office, Fort Snelling, MN.
- US Fish and Wildlife Service (**R.G. Corace III** major contributor). 2002. Wildland Fire Management Plan: Seney National Wildlife Refuge. Regional Office, Fort Snelling, MN.

FOREST MANAGEMENT ACCOMPLISHMENTS

- Seney National Wildlife Refuge: conducted 11 commercial timber sales with 5 different loggers and covering >1,100 acres of public land, focusing on restoring ecosystem patterns and processes. Most timber sales aimed at promoting red pine ecosystems and integrated fire management principles. Most timber sales were also directly related to applied research that was conducted and published (see below).
- Kirtland's Warbler Wildlife Management Area: conducted 8 commercial timber sales with 3 different loggers and covering 972 acres of public land, focusing on promoting structural complexity in intensively managed jack pine plantations for Kirtland's Warbler breeding habitat. Many timber sales were directly related to applied research that was conducted and published (see below).
- Integrated Land Management: worked on 6 timber sales covering 300 acres of private lands, focusing on promoting non-game wildlife habitat in northern hardwoods stands.

INVASIVE PLANT MANAGEMENT ACCOMPLISHMENTS

- Seney National Wildlife Refuge: led invasive plant crews for 14 years (2004-2017) that treated, on average, 6 species of invasive plants on >30 days per year using integrated pest management techniques.

INVENTORY AND MONITORING ACCOMPLISHMENTS (ORGANIZED, TRAINED, AND/OR LEAD)

- Gypsy Moth Egg Mass Survey
- Forest Rapid Ecological Assessments (designed and implemented across multiple National Wildlife Refuges in the Midwest)
- Kirtland's Warbler Census
- USGS Breeding Bird Survey
- USFWS American Woodcock Singing Ground Survey
- Michigan DNR Ruffed Grouse Survey
- Secretive Marshbird Surveys
- Colonial Waterbird Surveys
- Waterfowl Surveys
- Sandhill Crane Surveys
- Black-backed Woodpecker Surveys
- Michigan DNR Frog and Toad Surveys
- Michigan DNR Furbearer Surveys

ACADEMIC POSITIONS

Northern Michigan University, Biology Department — 2016
Adjunct Professor

The University of Wyoming, Department of Ecosystem Science and Management, Laramie, WY
Adjunct Professor — 2014

The University of Wyoming, Departments of Zoology and Ecosystem Science and Management, Laramie, WY
Visiting Scholar — 2014

The Ohio State University, Ohio Agricultural Research-Demonstration Center, Wooster, OH
Visiting Scholar — 2013

The Ohio State University, Columbus, OH 2011
Adjunct Graduate Committee Member-School of Environment and Natural Resources
Wayne State University, Detroit, MI 2010-2015
Adjunct Professor-Department of Biological Sciences
Central Michigan University, Mt. Pleasant, MI 2009-2012
Adjunct Professor-Graduate Faculty-Department of Biology
Michigan Technological University, Houghton, MI 2008
Adjunct Professor-School of Forest Resources and Environmental Science

TEACHING EXPERIENCE

Central Michigan University
"Forest Ecology and Management" 2008
Michigan Technological University
"US Forest Service Program of Advance Studies in Silviculture" 2005-06
"Forest Wildlife Ecology" 1999-00
Northern Michigan University
"Human Anatomy and Physiology" 1995-97
"Introductory Botany" 1996
"Human Physiology" 1995
Matsha College, Kang, Botswana
"Biology and Chemistry" 1993-94

CURRICULA DEVELOPMENT

USFWS National Conservation Training Center, Shepherdstown, WV
"Forest Ecology and Management" (3 days)
School of Forest Resources and Environmental Sciences, Michigan Technological University, Houghton, MI
"Wildlife Habitat Conservation and Restoration" (3 credits)
"Wildlife Refuge Primer" (2 credits)

GRADUATE COMMITTEE OFFICIAL OR UNOFFICIAL MEMBERSHIP (ABBREVIATED TITLES)

The Ohio State University ***Completed 2017***
"Social and ecological factors driving management of fire-dependent wildlife" (S. Weiss, M.S.)
Michigan Technological University ***Completed 2016***
"Hydrological restoration at Seney NWR" (M. Jackson, M.S.)
Central Michigan University ***Completed 2014***
"Bird communities of biological legacy patches in jack pine ecosystems" (B. Cullinane, M.S.)
Wayne State University ***Completed 2013***
"Landscape attributes of upland sandpiper habitat in Michigan" (J. Korte, M.S.)
The Ohio State University ***Completed 2013***
"Factors affecting regeneration layer dynamics in mixed-pine forest ecosystems" (P. Nyamai, Ph.D.)
Central Michigan University ***Completed 2011***
"Double-crested cormorant movement in the Beaver Island Archipelago" (T. Tucker, M.S.)
Central Michigan University ***Completed 2011***
"Double-crested cormorant predation in the Beaver Island Archipelago" (M. Van Guilder, M.S.)
Michigan Technological University ***Completed 2011***
"An assessment of the Walsh Ditch restoration project" (S. Welsh, M.S.)

INVITED PAPERS AND PRESENTATIONS

- **Corace, R.G. III**. 2024. An ecological forestry primer: I and II. Michigan Association of Conservation District Annual Meeting, Bellaire, MI.
- **Corace, R.G. III**. 2020. The Endangered Species Act (1973) and Ecologically Sustainable Forests. Michigan Association of Conservation Districts Winter Meeting. Lansing, MI (issued remotely).
- **Corace, R.G. III**. 2020. Forest management and multi-species impacts. Alpena Community College, Alpena, MI.

- **Corace, R.G. III**. 2019. Biological legacies and wildlife. Alpena Community College, Alpena, MI.

- **Corace, R.G. III**. 2017. Fire-dependent, mixed-pine ecosystems, biological legacies, and wildlife: a summary of past and current research at Seney National Wildlife Refuge. Burning Issues Workshop, Lake States Fire Science Consortium, Fort Custer, MI.
- **Corace, R.G. III**. 2016. Disturbances, biological legacies, and contemporary forest management for wildlife. Ruffed Grouse Society Annual Meeting, Gaylord, MI.
- **Corace, R.G. III**. 2016. Integrating disturbance ecology patterns in forest management in northern Michigan. Michigan Society of American Foresters Annual Conference, Gaylord, MI.
- **Corace, R.G. III**. 2016. Landscape dynamics, spatial heterogeneity, and grouse conservation in Upper Michigan: a new business model? 23rd Annual Conference of The Wildlife Society, Raleigh, NC.
- **Corace, R.G. III**. 2014. Ecosystem restoration at Seney NWR and Kirtland's Warbler WMA. Wildlife Habitat Restoration Class, University of Wyoming, Laramie, WY.
- **Corace, R.G. III**. 2014. Pattern and process and National Wildlife Refuge management: from species to ecosystems. Research Across Disciplines Seminar, University of Wyoming, Laramie, WY.
- **Corace, R.G. III**. 2013. Restoration of late-successional mixed-pine at Seney NWR. Midwest Forest Guild Meeting, WI.
- **Corace, R.G. III**. 2013. Dry coniferous forest research and management, Seney National Wildlife Refuge. Michigan Society of American Foresters Summer Field Tour, Alberta, MI.
- **Corace, R.G. III**. 2013. Conservation filters and National Wildlife Refuge System management in the 21st century. College of Wooster, Wooster, OH.
- **Corace, R.G. III**. 2012. Variability in conservation planning across National Wildlife Refuge System units in Michigan. School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI.
- **Corace, R.G. III**. 2012. Wilderness research and refuge restoration: study evaluation and application. Arthur Carhart National Wilderness Training Center, Interagency Regional Wilderness Stewardship Training, Munising, MI.
- **Corace, R.G. III**, P.C. Goebel and D.M. Kashian. 2012. Snag management in pine forest types in northern Michigan. Society for Ecological Restoration-Midwest/Great Lakes Chapter Annual Meeting, Ann Arbor, MI.
- Kashian, D.M. and **R.G. Corace, III**. 2012. Variability and persistence of post-fire biological legacies in jack pine-dominated ecosystems of northern Michigan. Webinar presented to the Lake States Fire Science Consortium.
- **Corace, R.G., III**. 2011. Panelist: landscape ecology principles in refuge management. Midwest Natural Resources Group, Chicago, IL.
- **Corace, R.G., III**. 2011. Restoration and disturbance ecology at Seney NWR. Northwestern University and Chicago Botanic Gardens, Chicago, IL.
- **Corace, R.G., III**, Kashian, D.M., Goebel, P.C. and E. Toman. 2011. Wildfire and structural and compositional patterns in jack pine ecosystems of the northern Lower Peninsula of Michigan: implications for restoration and ecological forestry. Fall Field Tour, Michigan Society of American Foresters, Lower Peninsula Chapter.
- **Corace, R.G., III**. 2011. Beyond Kirtland's Warbler: Multi-species consequences to jack pine ecosystem management. Jack Pine Symposium, University of Minnesota Tree Improvement Center, Cloquet, MN.
- **Corace, R.G., III**. 2010. A step-wise approach to invasive plant assessment and treatment: a glossy buckthorn model. Eastern Upper Peninsula Cooperative Weed Management Area, St. Ignace, MI.
- **Corace, R.G., III**. 2010. Ecological restoration and disturbance ecology at Seney NWR and Kirtland's Warbler WMA. Ecological Restoration class, School of Forest Resources and Environmental Science, Michigan Technological Univ., Houghton, MI.
- **Corace, R.G., III**. 2009. Biogeographic patterns and Upland Sandpiper conservation in Michigan. Manomet Center for Conservation Sciences-USFWS R3/6, Neil Smith National Wildlife Refuge, Prairie City, IA.
- **Corace, R.G., III**. 2009. Conservation filters and ecological forestry on National Wildlife Refuges. The School of Environment and Natural Resources, The Ohio State University, Columbus, OH.
- **Corace, R.G., III**, Casselman, T., Olson, D. and P.C. Goebel. 2007. Application of ecological forestry at Seney National Wildlife Refuge: opportunities and limitations. Society of American Foresters Conference, Portland, OR.
- **Corace, R.G., III**. 2006 and 2007. Careers in National Wildlife Refuges, experiences from Seney NWR. School of Forest Resources and Environmental Sciences, Michigan Technological University, Houghton, MI.

OTHER UNIVERSITY PRESENTATIONS

Presentations on conservation biology, restoration ecology, forest ecology and management, invasive plant management, and natural history have been given to classes from the following universities (many repeatedly): Andrews University, Grand Valley State University, Michigan Technological University, Northern Michigan University, Lake Superior State University, The University of Michigan, The AuSable Institute, The University of Connecticut, and Oklahoma State University.

MENTORING AND SUPERVISORY EXPERIENCE

- Ellen Comes, Applied Sciences Program Intern-Post M.S. (2016)
- Lyndsay Morrison, Applied Sciences Program Intern (2016)
- Tayelor Gosselin, Applied Sciences Program Intern (2016)

- Shelby Weiss, Applied Sciences Program Intern (Crew Leader, 2015)
- Rebecca Lynn, Applied Sciences Program Intern (2015)
- Emma Doden, Applied Sciences Program Intern (2015)
- Sarah Toner, Applied Sciences Program Intern (2015)
- Dawn Marsh, Applied Sciences Program Intern (2014)
- Carolyn Fado, Applied Sciences Program Intern (2014)
- Rhiannon Jakopak, Lake States Fire Science Consortium Intern (2013/2014)
- Shelby Weiss, Applied Sciences Program Intern (2014)
- Sarah Rademacher, Applied Sciences Program Intern (2014)
- Ashlee Baker, Lake States Fire Science Consortium Intern (2013/2014)
- Lydia Ball, Lake States Fire Science Consortium Intern (2013)
- Dawn Marsh, Lake States Fire Science Consortium Intern (2013/2014)
- Emily Gavard, Applied Sciences Program Intern (2013)
- Nick Marengo, Applied Sciences Program Intern (2013)
- Emily Grover, College of Wooster Writing Intern (2013)
- Carolyn Fado, College of Wooster Writing Intern (2013/2014)
- Lindsey M. Shartell, Post-Doctoral Research Associate (2012)
- Morgan Slevin, Applied Sciences Program Intern (2012)
- Ellen Comes, Applied Sciences Program Intern (2011/2012/2014)
- Andrew DiAllesandro, SCEP Biological Technician (2011)
- Meghan Cornwall, Applied Sciences Program Intern (2011)
- Jennifer Field, Applied Sciences Program Intern (2011)
- Joseph May, Biological Technician (2010)
- Alina Neel, Applied Conservation Biology Intern (2010)
- Dakotah Hunter, Applied Conservation Biology Intern (2010)
- Thomas Macy, Biological Technician (2009)
- Kim Trinkle, Applied Conservation Biology Intern (2009)
- Reid Plumb, Biological Technician (2008)
- Anna Treado, Applied Conservation Biology Intern (2008)
- Ken Leister, Biological Technician (2007)
- Julia Polasik, Applied Conservation Biology Intern (2007)
- Erin Brosnan, Biological Technician (2006)
- Heather Whitman, Applied Conservation Biology Intern (2006)
- Kasey Cornwell, Biological Technician (2005)
- Kim Henslee, Applied Conservation Biology Intern (2005)
- Vincent Cavalieri, Applied Conservation Biology Intern (2004)
- Lindsey Shartell, Applied Conservation Biology Intern (2004)

REFEREED PUBLICATIONS

- Nyamai, P.A., P.C. Goebel, **R.G. Corace III** and D.M. Hix. 2020. Regeneration patterns of key pine species in a mixed-pine forest indicate a positive effect of variable retention harvesting and an increase in recruitment with time. *Forest Ecosystems* 7:50.
- Cansler, C.A……**Corace, R.G., III**…… (>75 authors). 2020. The Fire and Tree Mortality Database (FTM): a database for empirical modeling of tree mortality after fire. 2020. *Scientific Data.* 7:194.
- Weiss, S.A., E.L. Toman and **R.G. Corace III**. 2019. Aligning endangered species management with fire-dependent ecosystem restoration: manager perspectives on red-cockaded woodpecker and longleaf pine management actions. *Fire Ecology* 15:19-33.
- **Corace, R.G. III**, S.A. Weiss and L.M. Shartell. 2018. Volunteer observer bias and sharp-tailed grouse lek counts in the Upper Midwest. *Journal of Fish and Wildlife Management* 9:666-677.
- **Corace, R.G. III**. 2018. Re-thinking forest bird habitat management guidelines in the northern Lake States. *Wildlife Society Bulletin* 42:347-357.
- Weiss, S.A., **Corace, R.G. III**, Toman, E.L., Herms, D.A. and P.C. Goebel. 2018. Wildlife implications across snag treatment types in jack pine stands of Upper Michigan. *Forest Ecology and Management* 409:407-416.
- **Corace, R.G. III**, Weiss, S.A., Marsh, D.S., E.L. Comes and F.J. Cuthbert. 2017. Novel method for monitoring common terns at a

large colony in northern Lake Huron. *Journal of Great Lakes Research* 43:1160-1164.

- Tucker, M.M., **R.G. Corace III**, Cleland, D.T. and D.M. Kashian. 2016. Long-term effects of managing for an endangered songbird on the heterogeneity of a fire-prone landscape. *Landscape Ecology* 31:2445-2458.
- **Corace, R.G. III**, Korte, J.L., Shartell, L.M. and D.M. Kashian. 2016. Upland sandpiper: a flagship for jack pine barrens restoration in the Upper Midwest? *Ecological Restoration* 34:49-60.
- Shartell, L.M., **Corace, R.G. III**, Storer, A.J. and D.M. Kashian. 2015. Broad and local-scale patterns of exotic earthworm functional groups in forests of National Wildlife Refuges of the Upper Midwest, USA. *Biological Invasions* 17:3591-3607.
- **Corace, G.**, Weiss, S. and L. Shartell. 2015. Fire-dependent ecosystems and wildlife: working towards a greater appreciation in the northern Lake States? *The Wildlife Professional* 9:52-55.
- Cullinane-Anthony, B.L., Seefelt, N.E., **Corace, R.G. III**, Kashian, D.M. and T.M. Gehring. 2014. Influence of residual forest patches on post-fire bird diversity patterns in jack pine-dominated ecosystems of northern Lower Michigan. *Forest Ecology and Management* 331:93-103.
- Nyamai, P., Goebel, P.C., Hix, D.M., **Corace, R.G. III** and I. Drobyshev. 2014. Regeneration dynamics in mixed-pine ecosystems of Upper Michigan. *Forest Ecology and Management* 322:37-47.
- **Corace, R.G. III**, Shartell, L.M., Goebel, P.C., Kashian, D.M., Drobyshev, I. and D.M. Hix. 2014. Bird communities of reference and altered mixed-pine forests (Upper Michigan). *Forest Ecology and Management* 318:183-193.
- **Corace, R.G. III**, Stout, A.T., Goebel, P.C. and D.M. Hix. 2013. Snag benchmarks and treatment options for mixed-pine forest restoration in eastern Upper Michigan. *Restoration Ecology* 21:608-616.
- Bork, S.W., Pypker, T.G., **Corace, R.G. III**, Chimner, R.A., A.L. Maclean and J.A. Hribljan. 2013. A case study in large-scale wetland restoration at Seney National Wildlife Refuge, Upper Michigan, USA. *American Midland Naturalist* 169:286-302.
- **Corace, R.G. III** and M. Vaniman. 2012. Lessons learned from Seney refuge: exploring the benefits of applied research partnerships. *Wildlife Professional* 6:50-52
- Shartell, L.M., **Corace, R.G. III** and A.J. Storer. 2012. Exotic earthworm communities of National Wildlife Refuges in the Upper Midwest: implications for forest conservation. *Journal of Fish and Wildlife Management* 3: 332-340.
- Miesel, J., Goebel, P.C., **Corace, R.G. III**, Hix, D.M., Kolka, R., Palik B. and D. Mladenoff. 2012. Fire effects on soils in Lake States forests: a compilation of published research to facilitate long-term investigations. *Forests* 3:1034-1070.
- Drobyshev, I., Goebel, P.C., Bergeron, Y. and **R.G. Corace III**. 2012. Detecting changes in climate forcing on the fire regime of a North American mixed-pine forest: a case study of Seney National Wildlife Refuge, Upper Michigan. *Dendrochronologia* 30:137-145.
- **Corace, R.G. III**, Shartell, L.M., Schulte, L.A., Brininger, W.L. Jr., McDowell, M.K.D. and D.M. Kashian. 2012. An ecoregional context for forest management on National Wildlife Refuges of the Upper Midwest, USA. *Environmental Management* 49:359-371.
- Kashian, D.M., **Corace, R.G. III**, Shartell, L.M., Donner, D.M. and P.W. Huber. 2012. Variability and persistence of post-fire biological legacies in jack pine-dominated ecosystems of northern Michigan. *Forest Ecology and Management* 263:148-158.
- Rist, S.G., Goebel, P.C., **Corace, R.G. III**, Hix, D.M., Drobyshev, I. and T. Casselman. 2011. Do partial cross sections from live trees for fire history analysis result in higher mortality of sampled trees? *Forest Ecology and Management* 262:940-946.
- Drummer, T.D., **Corace, R.G. III** and S.J. Sjogren. 2011. Sharp-tailed Grouse lek attendance and fidelity in Upper Michigan. *The Journal of Wildlife Management* 75:311-318.
- **Corace, R.G. III**, Seefelt, N.E., Goebel, P.C. and H.L. Shaw. 2010. Snag longevity and decay class development in a recent jack pine clearcut in Michigan. *Northern Journal of Applied Forestry* 27:125-131.
- **Corace, R.G. III**, Goebel, P.C. and D.L. McCormick. 2010. Kirtland's warbler habitat management and multi-species bird conservation: considerations for planning and management across jack pine habitat types. *Natural Areas Journal* 30:174-190.
- **Corace, R.G., III** and P.C. Goebel. 2010. An ecological approach to forest management for wildlife: integrating disturbance ecology patterns into silvicultural treatments. *The Wildlife Professional* 4:38-40.
- Wilson, R.S., Hix, D., Goebel, P.C. and **R.G Corace III**. 2009. Identifying land manager objectives and alternatives for mixed-pine forest ecosystem management and restoration in eastern Upper Michigan. *Ecological Restoration* 27:407-416.
- **Corace, R.G. III**, Goebel, P.C., Hix, D.M., Casselman, T. and N.E. Seefelt. 2009. Applying principles of ecological forestry at National Wildlife Refuges: experiences from Seney National Wildlife Refuge and Kirtland's Warbler Wildlife Management Area, USA. *The Forestry Chronicle* 85:695-701.
- **Corace, R.G. III**, Flaspohler, D.J. and L.M. Shartell. 2009. Geographic patterns in openland cover and hayfield mowing in the Upper Great Lakes region: implications for grassland bird conservation. *Landscape Ecology* 24:309-323.
- Goebel, P.C., Hix, D.M., Wilson, R.S. and **R.G. Corace III**. 2009. Linking ecological and structured decision-making networks to develop local- and landscape-scale restoration strategies for mixed-pine forests of Upper Michigan, USA. Pp. 192-196, In: Ecological Networks: Science and Practice. Proceedings of the 16th Annual Conference of the International Association of Landscape Ecology (UK Chapter). R. Catchpole, R. Smithers, P. Baarda, and A. Eycott (editors). International Association of Landscape Ecology (UK Chapter), Edinburgh, Scotland, UK.
- Drobyshev, I., Goebel, P.C., Hix, D.M., **Corace, R.G. III** and M. Semko-Duncan. 2008. Interactions among forest composition, structure, fuel loadings and fire history: a case study of red pine-dominated forests of Seney National Wildlife Refuge. *Forest Ecology and Management* 256:1723-1733.

- Drobyshev, I., Goebel, P.C., Hix, D.M., **Corace, R.G. III** and M. Semko-Duncan. 2008. Pre- and post-European settlement fire history of red pine-dominated forest ecosystems of Seney National Wildlife Refuge, Upper Michigan. *Canadian Journal of Forest Research* 38:2497-2514.
- **Corace, R.G. III**, Leister, K.P. and E. Brosnan. 2008. Efficacy of different glyphosate concentrations in managing glossy buckthorn (*Frangula alnus*) resprouts at Seney National Wildlife Refuge, Upper Michigan. *Ecological Restoration* 26:111-113.
- Nagel, L.M., **Corace, R.G. III** and A. Storer. 2008. An experimental approach to testing the efficacy of management treatments for glossy buckthorn (*Frangula alnus*) at Seney National Wildlife Refuge, Upper Michigan. *Ecological Restoration* 26:136-142.
- Losey, E.B., Deemer, B.R. and **R.G Corace III**. 2007. History of sharp-tailed grouse (*Tympanuchus phasianellus*) at Seney National Wildlife Refuge and surrounding areas, Schoolcraft County, Michigan. *The Passenger Pigeon* 69:359-348.
- **Corace, R.G. III**, Lundrigan, B. and P. Myers. 2006. Nest site habitat characteristics and prey use of a breeding pair of great gray owls in the Upper Peninsula of Michigan. *The Passenger Pigeon* 68:353-360.
- **Corace, R.G. III**, McCormick, D. and V. Cavalieri. 2006. Population growth parameters of a reintroduced trumpeter swan flock, Seney National Wildlife Refuge, Michigan, USA (1991–2004). *Waterbirds* 29:38-42.
- **Corace, R.G. III**, Goebel, P.C. and T.C. Wyse. 2005. A landscape to field-scale assessment of the bird communities of historic openlands at Sleeping Bear Dunes National Lakeshore. *Michigan Birds and Natural History* 12:169-181.
- Goebel, P.C, Wyse, T.C. and **R.G. Corace III**. 2005. Determining reference ecosystem conditions for disturbed landscapes within the context of contemporary resource management issues. *Journal of Forestry* 103:331-356.
- **Corace, R.G. III**, Cumberlidge, N. and R. Garms. 2001. A new species of Potamonautes (MacLeay, 1835) from the Ruwenzori Mountains of Uganda. *Proceedings of the Biological Society of Washington* 114:178-187.

EDITOR-REVIEWED TECHNICAL REPORTS, PAPERS, DATA

- Cansler, C. Alina, ……**R. Gregory Corace**……. 2020. The Fire and Tree Mortality Database, for empirical modeling of individual tree mortality after fire. *Scientific Data.*
- McCormick, D. and **R.G. Corace III**. 2011. Spruce Grouse *(Falcipennis canadensis)*. *In* A.T. Chartier, J.J. Baldy, and J.M. Brenneman, editors. The Second Michigan Breeding Bird Atlas. Kalamazoo Nature Center. Kalamazoo, Michigan, USA. Accessed online at: <www.mibirdatlas.org/ Portals/12/MBA2010/SPGRaccount.pdf >.
- **Corace, R.G. III.** 2011. Upland Sandpiper (*Bartramia longicauda*). *In* A.T. Chartier, J.J. Baldy, and J.M. Brenneman, editors. The Second Michigan Breeding Bird Atlas. Kalamazoo Nature Center. Kalamazoo, Michigan, USA. Accessed online at: <www.mibirdatlas.org/Portals/12/MBA2010/UPSAaccount.pdf >.
- **Corace, R.G. III.** 2011. Great Gray Owl (*Strix nebulosa*). *In* A.T. Chartier, J.J. Baldy, and J.M. Brenneman, editors. The Second Michigan Breeding Bird Atlas. Kalamazoo Nature Center. Kalamazoo, Michigan, USA. Accessed online at: <www.mibirdatlas.org /Portals/12/MBA2010/GGOWaccount.pdf >.
- **Corace, R.G. III,** P.C. Goebel and T.C. Wyse. 2009. A multi-scale assessment and evaluation of historic openlands at Sleeping Bear Dunes National Lakeshore. Natural Resource Technical Report NPS/GLKN/NRTR—2009/150. National Park Service, Fort Collins, CO.
- Goebel, P.C., McCormick, D.L. and **R.G. Corace III**. 2007. Ecological assessment of the USDI Fish and Wildlife Service's Kirtland's Warbler Wildlife Management Area. The School of Environment and Natural Resources, Ohio Agricultural Research and Development Center, The Ohio State University, Columbus, OH.
- Nagel, L.M. and **R.G. Corace III**. 2002. Why the rift between ecology and forestry – aren't they one and the same? *Upper Peninsula Environmental Coalition Newsletter* 28:7-8.
- **Corace, R.G. III** and Michael G. Tansy. 2002. Brief look at restoration efforts at Seney National Wildlife Refuge, Michigan. The Wildlife Society's Restoration Working Group Newsletter, Bethesda, MD.
- **Corace, R.G. III**. 2001. Restoring pine barrens for avian conservation in Michigan's Upper Peninsula. *Society for Ecological Restoration News* 14:1 & 14.
- **Corace, R.G. III**, Lapinski, N.W. and S.J. Sjogren. 2001. Le Conte's Sparrow conservation assessment. US Forest Service, Hiawatha National Forest, St. Ignace, MI.
- **Corace, R.G. III**, Lapinski, N.W. and S.J. Sjogren. 2001. Sharp-tailed Grouse conservation assessment. US Forest Service, Hiawatha National Forest, St. Ignace, MI.
- **Corace, R.G. III**, Lapinski, N.W. and S.J. Sjogren. 2001. Black-backed Woodpecker conservation assessment. US Forest Service, Hiawatha National Forest, St. Ignace, MI.
- **Corace, R.G. III**, Lapinski, N.W. and S.J. Sjogren. 2001. Short-eared Owl conservation assessment. US Forest Service, Hiawatha National Forest, St. Ignace, MI.

PAPER AND POSTER PRESENTATIONS AND PUBLISHED ABSTRACTS

- **Corace, R.G. III.** 2024. Ecological forestry and private lands: promoting complexity for biodiversity and climate change adaptation. Ecological Society of America Great Lakes Chapter, Kalamazoo, MI.
- Weiss, S.A., E.L. Toman and R.G. Corace III. 2017. Aligning Endangered species management with ecosystem restoration: manager perspectives on Red-cockaded Woodpecker management. 7th International Fire Ecology and Management Congress, Orlando, FL.

- **Corace, R.G. III**, Weiss, S.A. and L.M. Shartell. 2017. Fire-dependent mixed-pine ecosystems, biological legacies, and wildlife: a summary of past and current research at Seney National Wildlife Refuge. The Science of Conservation 2017 Conference, National Wildlife Refuge System, Midwest Region, La Crosse, WI, Jan. 24-26, 2017.
- Shartell, L.M., **R.G. Corace, III** and S.A. Weiss. 2016. Fire effects on xeric pine ecosystems and related bird communities in the northern Lake States (Poster). 23rd Annual Conference of The Wildlife Society, Raleigh, NC.
- Weiss, S.A., **R.G. Corace, III**, E.L. Toman and D.A. Herms. 2016. Wildlife implications across snag treatment types in jack pine stands in eastern Upper Michigan. (Poster). 23rd Annual Conference of The Wildlife Society, Raleigh, NC.
- Weiss, S.A., **R.G. Corace, III**, L.M. Shartell, D.S. Marsh and E.L. Toman. 2016. An information exchange on wildlife in fire-dependent ecosystems of the northern Lake States [Poster]. Annual Meeting: Minnesota State Chapter of The Wildlife Society, Mankato, MN.
- Weiss, S.A., **R.G. Corace, III**, L.M. Shartell, D.S. Marsh and E.L. Toman. 2016. An information exchange on wildlife in fire-dependent ecosystems of the northern Lake States [Poster]. 76th Midwest Fish and Wildlife Conference, Grand Rapids, MI.
- **Corace, R.G. III**, S.A. Weiss, D.S. Marsh and E.L. Comes. 2015. A fixed-plot sampling methodology for monitoring colonial waterbirds. Michigan Bird Conservation Workshop, Tustin, MI.
- Weiss, S.A., **R.G. Corace III**, and L.M. Shartell. 2015. Quantification of volunteer observer Sharp-tailed Grouse lek count variability. Michigan Bird Conservation Workshop, Tustin, MI.
- Weiss, S.A., **R.G. Corace III**, L.M. Shartell and D.S. Marsh. 2015. An information exchange on wildlife in fire-dependent ecosystems of the northern Lake States. A Workshop on the Monitoring, Research, and Management for Northern Forest Birds, Marquette, MI.
- Weiss, S.A., **R.G. Corace III**, L.M. Shartell and D.S. Marsh. 2015. An information exchange for wildlife in fire-dependent ecosystems of the northern lake states. Sustainable Forests Education Cooperative 2015 Forestry and Wildlife Research Review, February 24, Cloquet, MN.
- **Corace, R.G. III**, J.L. Korte, L.M. Shartell and D.M. Kashian. 2015. Upland Sandpiper: a flagship for jack pine barrens restoration in the Lake States? Joint Annual Meeting: Minnesota and Wisconsin State Chapters of The Wildlife Society, Duluth, MN.
- Weiss, S.A., **R.G. Corace III**, L.M. Shartell and D.S. Marsh. 2015. An information exchange on wildlife in fire-dependent ecosystems of the northern Lake States. Joint Annual Meeting: Minnesota and Wisconsin State Chapters of The Wildlife Society, Duluth, MN.
- Shartell, L.M., **R.G. Corace, III**, S.A. Weiss and D.S. Marsh. 2015. Fire-dependent ecosystems of the northern Lake States and associated wildlife species: advancing the state of knowledge and coordinating efforts. 75th Midwest Fish and Wildlife Conference, Indianapolis, IN.
- **Corace, R.G. III** and D.S. Marsh. 2014. Fire-dependent ecosystems of the northern Lake States and associated bird species: advancing the state of knowledge and coordinating efforts. Michigan Bird Conservation Initiative Annual Meeting, Tustin, MI.
- **Corace, R.G. III**, L.M. Shartell and D.S. Marsh. 2014. Characterizing wildlife communities of fire-dependent ecosystems of the northern Lake States and exchanging research, inventory, and monitoring knowledge and ideas. Lake States Fire Sciences Consortium Webinar, Columbus, OH.
- **Corace, R.G. III**, P.C. Goebel and D.M. Kashian. 2013. Reconciling Yellow Rail habitat and landscape dynamics at Seney National Wildlife Refuge. Yellow Rail Symposium, Division of Migratory Birds, Arlington, VA.
- Goebel, P.C., **R.G. Corace III**, D.M. Hix and P.A. Nyamai. 2013. Reducing fuels and restoring the regeneration layer of mixed-pine forests of eastern Upper Michigan using variable retention harvesting. [Abstract]. *Conference Proceedings.* Bloomington: 2013 North American Forest Ecology Workshop: 125-126. [Editor-Review] (Published).
- Nyamai, P.A., P.C. Goebel, D.M. Hix and **R.G. Corace III**. 2013. Initial regeneration and litter decomposition responses following a variable-retention harvest in mixed-pine forests of eastern Upper Michigan. 5th Annual Society of Ecological Restoration Midwest Conference, Wooster, OH.
- Tucker, M.M., **R.G. Corace III** and D.M. Kashian. 2013. A Comparison of Current and Pre-settlement Jack Pine-dominated Ecosystems in Northern Lower Michigan, USA. US Chapter of the International Association for Landscape Ecology (US-IALE) Annual Symposium, April 14-18, 2013, Austin, TX.
- **Corace, R.G. III**, Kashian, D.M., Goebel, P.C. and D.M. Hix. 2012. Biological legacy research and management in fire-dependent pine forest ecosystems of northern Michigan. 5th Fire Ecology and Management Conference, Association for Fire Ecology Conference, Portland, OR.
- Cullinane Anthony, B.L., N.E. Seefelt, **R.G. Corace III**, D.M. Kashian and T.M. Gehring. 2012. Bird diversity patterns within patches of biological legacies in jack pine-dominated landscapes of northern Lower Michigan. Poster presentation delivered at the 5th Fire Ecology and Management Conference, Association for Fire Ecology Conference, Portland, OR.
- Miesel, J.R., P.M. Nelson, P.C. Goebel, **R.G. Corace III** and D.M. Kashian. 2012. Forest fuels and vegetation in wildfire-regenerated jack pine (*Pinus banksiana* Lamb.) forests: informing ecological forestry in the Lake States region. Ecological Society of America 97th Annual Meeting, Portland, OR.
- Korte, J.L., Kashian, D.M. and **R.G. Corace III**. 2012. Landscape characteristics of Upland Sandpiper habitat in Michigan. US International Association for Landscape Ecology (US-IALE) Annual Symposium. Newport, RI.
- **Corace, R.G. III**, Stout, A.C., Goebel, P.C. and D.M. Hix. 2012. Snag benchmarks and management recommendations for mixed-pine forest restoration. Western Great Lakes Resource Management Conference, National Park Service, Ashland, WI.

- Shartell, L.M., **Corace, R.G. III** and A. Storer. 2012. European earthworms: a potential constraint to forest restoration and conservation on National Wildlife Refuges. Society for Ecological Restoration-Midwest/Great Lakes Chapter Annual Meeting, Ann Arbor, MI.
- **Corace, R.G. III**, Goebel, P.C., Drobyshev, I. and D.M. Hix. 2012. Is mixed-pine forest restoration in the Upper Peninsula of Michigan for the birds? Michigan Bird Conservation Initiative Workshop, Tustin, MI.
- Shartell, L.M., **Corace, R.G. III** and A. Storer. 2012. Influences on exotic earthworm invasion in forest ecosystems across Great Lakes Biology Network National Wildlife Refuges. Western Great Lakes Resource Management Conference, National Park Service, Ashland, WI.
- Nyamai, P., P.C. Goebel, D.M. Hix and **R.G. Corace III**. 2012. Initial regeneration layer response following a variable retention harvest in a mixed-pine forest ecosystem in the eastern Upper Peninsula of Michigan. Ecosummit, Columbus, OH.
- **Corace, R.G. III**, P.C. Goebel, D.M. Kashian and T. Pypker. 2012. Research-management partnerships and fire-dependent ecosystem restoration: case studies from Seney National Wildlife Refuge, Upper Michigan. Stewardship Network Conference, East Lansing, MI.
- Shartell, L.M., **R.G. Corace III** and A.J. Storer. 2012. European earthworm invasion patterns within National Wildlife Refuges of the Upper Great Lakes. 23rd USDA Interagency Research Forum on Invasive Species. Annapolis, MD.
- Shartell, L.M., **R.G. Corace III** and A.J. Storer. 2012. A multilevel approach to assess invasion patterns of European earthworms in Great Lakes National Wildlife Refuges. The Stewardship Network Conference: The Science, Practice & Art of Restoring Native Ecosystems. East Lansing, MI.
- Nyamai, P., P.C. Goebel, D.M. Hix and **R.G. Corace III**. 2011. Downed woody fuel dynamics of mixed-pine forest ecosystems in the eastern Upper Peninsula of Michigan, U.S.A. Poster presentation, Annual Meeting of the Ecological Society of America, Austin, TX.
- Kashian, D.M., **R.G. Corace III**, L.M. Shartell, D. Donner and P.W. Huber. 2011. Variability and persistence of post-fire biological legacies in jack-pine dominated ecosystems of northern Lower Michigan. U.S. Chapter of the International Association for Landscape Ecology Annual Meeting, Portland, OR.
- Shartell, L.M., **Corace, R.G. III** and A.J. Storer. 2011. Invasive exotic earthworm populations in Great Lakes National Wildlife Refuges. Ecosystem Science Center Student Research Forum, Michigan Technological University, Houghton, MI.
- Nyamai, P., Goebel, P.C., Hix, D.M. and **R.G. Corace III**. 2011. Downed woody fuel dynamics of mixed-pine forest ecosystems in the eastern Upper Peninsula of Michigan, U.S.A. Ecological Society of America National Convention, Pittsburg, PA.
- **Corace, R.G. III**, Goebel, P.C., Kashian, D.M., Seefelt, N.S. and E. Toman. 2010. Back to the future: thinking ahead to the management of jack pine forest ecosystems for Kirtland's warbler and associated wildlife species. Oral Presentation: 71st Midwest Fish and Wildlife Conference, Minneapolis, MN.
- **Corace, R.G. III**, Shartell, L.M., Schulte, L.A., Kashian, D.M., Brininger, W.L. III and M.K.D. McDowell. 2010. An ecoregional context for forest management on National Wildlife Refuges of the Laurentian Mixed Forest Province. Poster Presentation: 71st Midwest Fish and Wildlife Conference, Minneapolis, MN.
- Welsh, S.P., Pypker, T.G., **Corace, R.G. III**, Chimner, R.A. and A.L. Maclean. 2010. Hydrological and ecological assessment of the impacts of the Walsh Ditch drainage plugs, Seney National Wildlife Refuge. Poster Presentation: 71st Midwest Fish and Wildlife Conference, Minneapolis, MN.
- Shartell, L.M. Petrillo, H.A., **Corace, R.G. III** and A. Storer. 2010. Forest ecological assessment in Great Lakes Biological Network Refuges. Poster Presentation: 71st Midwest Fish and Wildlife Conference, Minneapolis, MN.
- Nyamai, P., Goebel, P.C., Hix, D.M. and **Corace, R.G. III**. 2010. Disturbance and environmental influences on regeneration layer dynamics of mixed-pine forest ecosystems of Upper Michigan, USA. Ecological Society of America National Convention, Pittsburg, PA.
- Goebel, P.C., Hix, D.M., **Corace, R.G. III** and R.S. Wilson. 2009. A requiem or renaissance for mixed-pine forest ecosystems of the northern Lake States, USA? Environmental Research Institute, North Highlands College, Thurso, Scotland, UK.
- **Corace, R.G. III**, Seefelt, N.E., Goebel, P.C. and H.L. Shaw. 2009. Snag management in Kirtland's warbler jack pine plantations. Midwest Jack Pine Symposium, Odanah, WI.
- Wilson, R.S., Hix, D.M., Goebel, P.C. and **R.G. Corace III**. 2009. Identifying land manager objectives and alternatives for mixed-pine forest ecosystem management and restoration in eastern Upper Michigan. Midwest Jack Pine Symposium, Odanah, WI.
- **Corace, R.G. III**, Goebel, P.C., McCormick, D.L. and N.E. Seefelt. 2009. Stepping back from single species habitat management at Kirtland's Warbler Wildlife Management Area: multi-species bird conservation and ecological forestry. MiBCI 3rd Annual Ornithological Congress, Petoskey, MI.
- Drobney, P.M., Brininger, W.L., **Corace, R.G. III**, Durbian, F.E., Holler, J.I., King, R.S., McDowell, M.K.D. and K.R. Viste-Sparkman. 2008. Integrating ecosystems into the Strategic Habitat Conservation process. 15th Annual Wildlife Society Conference, Miami, FL.
- **Corace, R.G. III**. 2008. Forest ecosystem conservation and Restoration at Seney National Wildlife Refuge. Fort Wilkins State Park, Copper Harbor, MI.

- Hix, D.M., Goebel, P.C., Wilson, R., Drobyshev, I. and **R.G. Corace III.** 2008. Using fire history, vegetation, and risk analysis to develop integrated strategies for restoring mixed-pine forest ecosystems of eastern Upper Michigan. 93rd Ecological Society of American Conference, Milwaukee, WI.
- **Corace, R.G. III**, Goebel, P.C. and N.E. Seefelt. 2008. Forest ecosystem conservation and restoration: Seney National Wildlife Refuge and Kirtland's Warbler Wildlife Management Area. Proceedings: Western Great Lakes Research Conference, Marquette, MI.
- **Corace, R.G. III**, Goebel, P.C. and N.E. Seefelt. 2008. Approaches to forest management at National Wildlife Refuges in the Lake States: Seney National Wildlife Refuge and Kirtland's Warbler Wildlife Management Area. *Forest Wisdom*, The Forest Guild, Santa Fe, NM.
- **Corace, R.G. III**. 2008. Forest ecology and management, Seney National Wildlife Refuge and Kirtland's Warbler Wildlife Management Area. Lake States Meeting of the Forest Guild, Alberta, MI.
- **Corace, R.G. III**, Schulte, L.A., Brininger, W.L. Jr. and M.K.D. McDowell. 2008. An ecoregional context to forest conservation and restoration on National Wildlife Refuges of the Laurentian Mixed Forest Province. US Fish and Wildlife Service Region 3 National Wildlife Refuge System Biological Workshop, Moline, IL.
- Drobyshev, I., Goebel, C., Hix, D., Semko-Duncan, M. and **G. Corace**. 2007. Interactions between fire disturbance and forest structure: a case study of red pine-dominated forests of Seney National Wildlife Refuge, Upper Michigan. Proceedings: 6th North American Forest Ecology Workshop, Vancouver, BC.
- Shartell, L.M. and **R.G. Corace III**. 2007. Predictive modeling of invasion risk for exotic plants within Seney National Wildlife Refuge. Geographic Information Systems and the National Wildlife Refuge System Conference, Washington, DC.
- **Corace, R.G. III**, Goebel, P.C. and D.L. McCormick. 2007. Endangered Kirtland's warbler habitat management and multi-species bird conservation. Society of American Foresters Conference, Portland, OR.
- Rist, S., Goebel, P.C., Hix, D. and **R.G. Corace III**. 2007. Historical forest management on National Wildlife Refuges: a case study. Society of American Foresters Conference, Portland, OR.
- Goebel, P.C., Hix, D., Drobyshev, I., Wilson, R., **Corace, R.G. III** and B. Palik. 2007. Restoration-based fuel reduction recommendations for mixed-pine forests of Upper Michigan. Society of American Foresters Conference, Portland, OR.
- Drobyshev, I., Goebel, C., Hix, D., **Corace, G.** and M. Semko-Duncan. 2007. Fire history of red pine-dominated forests of Seney National Wildlife Refuge, Upper Michigan. 2nd Fire Behavior and Fuels Conference, Tallahassee, FL.
- **Corace, R.G. III**. 2006. University cooperative research-management endeavors at Seney National Wildlife Refuge: an invasive species model. Invited Presentation to the US Fish and Wildlife Service, Washington, DC.
- **Corace, R.G. III** and P.C. Goebel. 2006. Forest ecosystem restoration in the context of migratory bird conservation at Kirtland's Warbler Wildlife Management Area and Seney National Wildlife Refuge. S Fish and Wildlife Service Region 3 Biological Workshop, La Crosse, WI.
- Petrillo, H.A., **Corace, R.G. III** and J.A. Witter. 2006. Current status and potential impacts of beech bark disease at Seney National Wildlife Refuge. USFWS Region 3 Biological Workshop, La Crosse, WI.
- Nagel, L.M., **Corace, R.G. III** and A.J. Storer. 2006. Management tools for an exotic wetland invader: glossy buckthorn. National Park Service Western Great Lakes Research Conference, Ashland, WI.
- **Corace, R.G. III**, McCormick, D. and V. Cavalieri. 2005. The status of trumpeter swan (*Cygnus buccinator*) at Seney National Wildlife Refuge (1991-2004). Western Great Lakes Research Conference, Marquette, MI.
- T.C. Wyse, Goebel, P.C. and **R.G. Corace III**. 2004. Application of an integrated approach for identifying reference conditions of disturbed forest ecosystems at Sleeping Bear Dunes National Lakeshore. 4th North American Forest Ecology Workshop, Corvalis, OR.
- Goebel, P.C., **Corace, R.G. III** and T.C. Wyse. 2003. Balancing the need to restore forest ecosystems while focusing on other important conservation goals – examples from Sleeping Bear Dunes National Lakeshore. Proceedings 2003 Society of American Foresters Conference, Bend, OR.
- Goebel, P.C., **Corace, R.G. III** and T.C. Wyse. 2003. Identifying reference conditions of disturbed ecosystems and applications for maintaining openland avian diversity at Sleeping Bear Dunes National Lakeshore. Western Great Lakes Research Conference and Chequamagon Bay Natural Resource Conference, Ashland, WI.
- **Corace, R.G. III**, Flaspohler, D.J. and J.R. Probst. 2003. Hierarchical assessment of grassland birds to evaluate hayfield management in the Upper Great Lakes. US Department of Interior Conference on the Environment, Phoenix, AZ.
- Goebel, P.C., **Corace, R.G. III** and T.C. Wyse. 2003. Identifying reference conditions of disturbed ecosystems and application for maintaining openland avian diversity at Sleeping Bear Dunes National Lakeshore. Proceedings: Western Great Lakes Research Conference, Ashland, WI.
- Wyse, T.C., Goebel, P.C. and **R.G. Corace III**. 2003. Application of an integrated approach for identifying reference conditions of disturbed forest ecosystems at Sleeping Bear Dunes National Lakeshore. Proceedings: Fourth Biannual North American Forest Ecology Workshop, Corvallis, OR.

- **Corace, R.G. III**, Sjogren, S.J., Probst, J.R. and D.J. Flaspohler. 2002. Status of sharp-tailed grouse in Michigan's Upper Peninsula (1946-2000): integrating surveys with multi-species assessment. Proceedings: 24th Prairie Grouse Technical Council Meeting, Woodward, OK.
- **Corace, R.G. III**, Sjogren, S.J., Probst, J.R. and D.J. Flaspohler. 2000. A multi-scale assessment of openland avifauna in Upper Michigan: the willow flycatcher model. The Ecology and Conservation of the Willow Flycatcher Conference, Tempe, AZ.
- **Corace, R.G. III**, Probst, J.R. and D.J. Flaspohler. 1999. A context for an openland avifauna conservation strategy for Michigan's Upper Peninsula. 61st Midwest Fish and Wildlife Conference, Chicago, IL.
- **Corace, R.G. III**, Probst, J.R. and D.J. Flaspohler. 1999. A context for openlands management in the Upper Peninsula of Michigan. From Fire to Forests: The Pine Barrens Research and Management Workshop, Ashland, WI.

FUNDED RESEARCH-MANAGEMENT GRANTS (FUNDING AMOUNT AWARDED AS PI OR CO-PI)

- Gypsy Moth Egg Mass Survey. $19,500 (Montmorency County, 2020)
- Fire-Science Network and Delivery System for Fire-Dependent Ecosystems of the Northern Lake States. $449,284 (Continuation, Joint Fire Science Program, 2017)
- Mixed-Pine and Birds at the Huron Mountain Club. $3,900 (Continuation, Huron Mountain Wildlife Foundation, 2015-2017)
- Fire-Science Network and Delivery System for Fire-Dependent Ecosystems of the Northern Lake States. $262,409 (Continuation, Joint Fire Science Program, 2015)
- Mixed-Pine and Birds at the Huron Mountain Club. $2,400 (Continuation, Huron Mountain Wildlife Foundation, 2015)
- Invasive Plant Management at Seney NWR. $13,680 (Michigan DNR via Central UP Cooperative Weed Mgmt. Area, 2015)
- Invasive Plant Management at Seney NWR. $4,954 (Central UP Cooperative Weed Mgmt. Area, 2014)
- Secretive Marshbirds across Wetland Ecological States. $130,402 (USFWS Joint Venture Program, 2014/5)
- Mixed-Pine and Birds at the Huron Mountain Club. $2,400 (Continuation, Huron Mountain Wildlife Foundation, 2014)
- Mixed-Pine and Birds at the Huron Mountain Club. $2,200 (Huron Mountain Wildlife Foundation, 2013)
- Fire-Science Network and Delivery System for Fire-Dependent Ecosystems of the Northern Lake States. $299,013 (Continuation, Joint Fire Science Program, 2013)
- Fire-Science Network and Delivery System for Fire-Dependent Ecosystems of the Northern Lake States. $149,154 (Continuation, Joint Fire Science Program, 2011)
- Invasives with Volunteers. $10,000 (US Fish and Wildlife Service, 2011)
- Influence of Fuel Moisture and Density on Black Carbon Formation during Combustion of Boreal Peat Fuels. $70,916 (Joint Fire Science Program, 2011)
- Factors Influencing Invasive Earthworm and Plant Species Presence and Abundance in Network Forests. $25,000 (US Fish and Wildlife Service, 2010)
- Development of a Multivariate Statistics Course for Refuges. $5,000 (US Fish and Wildlife Service, 2010)
- Integrating Fuels Reduction and Pine Barrens Restoration in Endangered Kirtland's Warbler Habitat Management. $214,532 (Joint Fire Science Program, 2010)
- Fire-Science Network and Delivery System for Fire-Dependent Ecosystems of the Northern Lake States. $397,827 (Joint Fire Science Program, 2010)
- A Multi-Scaled Geographic Assessment of Upland Sandpiper Occupancy and Habitat Use. $65,000 (US Fish and Wildlife Service Migratory Birds and Challenge Cost Share, 2010)
- Developing a Fire-Science Network and Delivery System for the Northern Lake States. $20,000 (Joint Fire Science Program, 2009)
- Rapid Ecological Assessment of Refuge Forests of the Great Lakes Biology Network. $29,000 (US Fish and Wildlife Service, 2009)
- A Geographic Assessment of Upland Sandpiper Occupancy, Density, and Productivity in Xeric Openland Landscapes of the Eastern Upper Peninsula of Michigan. $5,000, pilot season (US Fish and Wildlife Service, 2009)
- An Assessment of Ecoregional Land Cover Patterns for Refuges of the Great Lakes Biology Network. $10,000 (US Fish and Wildlife Service, 2008)
- Restoration-Based Fuel Reduction Recommendations for Mixed-Pine Forests of Upper Michigan. $299,000 (Joint Fire Science Program, 2005)
- Developing a Sharp-tailed Grouse Monitoring Protocol. $56,000 (Michigan Department of Natural Resources, 2004)
- Wildland-Urban-Interface Grants, Seney National Wildlife Refuge. $140,000 (US Fish and Wildlife Service, 2002)
- Restoration and Maintenance of Historic Openlands of Sleeping Bear Dunes National Lakeshore: Impacts on Grassland and Forest Bird Communities. $35,000 (National Park Service, 2002)

- Productivity Indices for Targeted Openland Birds in Upper Michigan. $15,000 (US Forest Service North Central Research Station, 2001)
- Endangered, Threatened and Declining Openland Species of Upper Michigan: Increasing the Resolution of Study. $5,000 (Michigan Department of Natural Resources, 2000)
- Establishing a Conservation Strategy for Openland Birds in Upper Michigan. $5,000 (Michigan Department of Natural Resources, 1999)
- A Multi-Scale Assessment of Openland Avifauna of Upper Michigan. $84,086 (US Forest Service North Central Research Station, 1998)

TECHNICAL REVIEWER EXPERIENCE (JOURNALS-TEXTS-GRANTS-OTHER PROGRAMS)

- *Canadian Field Naturalist* (Reviewer)
- *Ecological Applications* (Reviewer)
- *Forest Ecology and Management* (Reviewer)
- *Ecosphere* (Reviewer)
- Ecological Management Plan: Huron Mountain Club, Big Bay, MI (Reviewer)
- *Journal of Forestry* (Reviewer)
- Joint Fire Science Program "Fuels management and endangered species." (Reviewer)
- Division of International Conservation (USFWS) *Wildlife Without Borders* Grant Program (Reviewer)
- *Forest Wildlife Ecology and Habitat Management* (CRC Press*,* Reviewer)
- *Landscape Ecology* (Reviewer)
- *USFWS Journal of Fish and Wildlife Management* (Subject Editor)
- *USFWS North American Fauna* (Subject Editor)
- *Journal of Environmental Monitoring and Management* (Reviewer)
- *Journal of Ecological Restoration* (Reviewer)
- *Journal of Wildlife Management* (Reviewer)
- US Geological Survey-US Fish and Wildlife Service Adaptive Management Proposals (Reviewer)
- *Journal of The Torrey Botanical Society* (Reviewer)
- *Natural Areas Journal* (Reviewer)
- *EcoSphere* (Reviewer)

PROFESSIONAL MEMBERSHIPS (PAST AND PRESENT)

- The Wildlife Society (Forestry and Wildlife National Working Group Chair, 2016-2017, Past-Chair, 2018-2019)
- Society for Ecological Restoration
- Society for Conservation Biology
- Ecological Society of America
- Natural Areas Association
- Society of American Foresters (Wildlife and Fish Ecology Working Group National Co-Chair, 2010-2013)
- The Forest Guild

POPULAR PRESS MATERIAL

- Monthly guest column (2019+) in the Alpena News and Montmorency County Tribune covering aspects of forest and wildlife ecology and management. Readership consists of more than 4,000 people, per article, combined.
- Interview in February 2017 issue of SAF *The Forestry Source* regarding perspectives on forest management as Chair-TWS Forestry and Wildlife Working Group.
- **Corace, G.** 2009. National Wildlife Refuges: a focus on forest ecology and management. *The Forestry Source* 14:6.
- Research and management presented in Associated Press articles carried by *USA Today*, *The Washington Post*, *The Detroit Free Press*, *The Lansing State Journal*, *The Marquette Mining Journal*, *The Daily Mining Gazette*, *The Environmental News Network*, *St. Ignace News*, and other national and local newspapers. Coverage of other work done by *Michigan Tech Magazine*.
- Multiple projects presented in US Fish and Wildlife Service's *Refuge Update* (Washington, D.C.):

  To Burn or Not to Burn: Still a Question [2006 3(5):23]

  Kirtland's Warbler [2006 3(6):10-11]

  Conserving Terns in the Changing Great Lakes [2007 4(6):6]

  Putting the Wet Back into Wetlands [2010 7(4):3]

  Seeing the Forest for the Forest [2012 9(5):13]

- **Corace, R.G. III.** 2001. Our other grouse: spruce grouse and sharp-tailed grouse. *Upper Michigan Outdoor Journal* 2:14-15.

AWARDS

- US Fish and Wildlife Service Region 3 *Biologist of the Year* 2011
- US Fish and Wildlife Service Region 3 *Star Award* 2010
- US Fish and Wildlife Service Region 3 *Recognition* 2007
- US Fish and Wildlife Service Region 3 *Star Award* 2006
- US Fish and Wildlife Service *Certificate of Appreciation* 2003
- Doctoral Fellowship, Michigan Technological University 1997-98
- Senior of the Year, Northern Michigan University 1993