

James Christopher Haney

1370 Tewkesbury Place NW
Washington, DC 20012
(202) 680-2801 daytime and evening
Citizenship: U.S.A.

Languages: English, Spanish (limited German, Russian)

Career Objective

Solve problems in the public interest by linking administrative, educational, and research experience to principles of environmental and civic stewardship.

Employment History

Founder, President, and Principal, Sep. 2013 – present; 40 Hours/Week; Terra Mar Applied Sciences, LLC, 1304 Tewkesbury Place NW, Washington, DC 20012 (202-680-2801)
jchrishaney@terramarappliedsciences.com

Environmental consulting for southern Africa, the Caribbean, North and Latin America; tri-lateral oil spill vulnerability assessment (Mexico, Cuba, USA) of marine life in Gulf of Mexico (GoM). Senior advisor in the GoM Marine Assessment Program for Protected Species (GoMMAPPS), rendering expertise on impacts of offshore energy on migratory birds and endangered species to four (4) federal agencies (Bureau of Ocean Energy Management, U.S. Fish & Wildlife Service, U.S. Geological Survey, and National Oceanic and Atmospheric Administration; 2016-present); lead investigator for 3 years of shipboard surveys of migratory birds covering ~39,400 kilometers. Co-designer and presenter in partnership with Intermedia Communications Training, Inc. of an advanced curriculum mitigating against 50 decision and thinking errors in science, business, and management caused by cognitive biases (2018-present). Expert witness and senior researcher to Cossich Sumich Parsiola & Taylor, LLC, advising on ecological impacts caused by the *Deepwater Horizon* blowout, including seven (7) peer-reviewed papers that estimated mortality of marine birds and documented harms to Gulf menhaden *Brevoortia patronus*, one of the USA's largest commercial fisheries (2014-present).

Chief Scientist, Nov. 2006 – Sep. 2016; 40 Hours/Week; **Director, Conservation Science and Economics**; Jan. 2004 – 2009; 40 Hours/Week; Defenders of Wildlife, 1130 17th Street, NW, Washington, DC 20036

Crafted a national organization's technical positions on endangered species management and policy, to include such contributing factors as climate change, wildlife disease, environmental pollutants, behavioral disturbance, and habitat loss. Rendered technical and scientific recommendations to policy and litigation teams that evaluated project-level impacts (both incremental and cumulative) under the Endangered Species Act (ESA), Marine Mammal Protection Act (MMPA), Migratory Bird Treaty Act (MBTA), National Forest Management Act (NFMA), National Environmental Policy Act (NEPA), and Oil Pollution Act (OPA). Designed one of the first-ever (in 2006) symposia for climate-resilient systems under Innovations in Wildlife Conservation's, *Reducing the Impacts of Global Warming on America's Wildlife*, using a collaboration of leading scientists, wildlife managers and policymakers. Co-designed and delivered a bi-lingual curriculum (English, Spanish) for an international workshop to build capacity for environmental management during an era of global climate change forecast in the wider Caribbean and Gulf of Mexico. Selected by U.S. Dept. of State to instruct new diplomatic staff attending the Washington Energy Seminar about environmental and economic impacts from large marine oil spills. Selected by the U.S. Dept. of Interior, and collaborated with U.S. Dept. of Commerce, as principal investigator for a Natural Resource Damage Assessment of pelagic wildlife harmed in the Gulf of Mexico following the 2010 *Deepwater Horizon* oil spill. Briefed the U.S. Congress on environmental impacts from offshore energy development, climate change impacts, and climate change adaptation. Directed and supervised small teams of up to eight (8) Ph.D. and M.S. scientists that relied upon GIS landscape analyses, metrics for sustainable agriculture, natural resource economics, including ecosystem service valuation, and climate change assessment, mitigation, and adaptation (one of my direct reports, Dr. Jean Brennan, co-authored the 2008 report from the Intergovernmental Panel on Climate Change). Delivered a 10-part series of 4-page fact sheets to

illustrate global consequences of climate changes to marine and terrestrial ecosystems. Innovated a new system for supplying technical information on natural resource economics, climate change, international wildlife trafficking, and biological conservation and management to NGO staff in legislative and government affairs, regional conservation, media, and research dispersed across the U.S., Canada, and Mexico. Organized and hosted national symposia and international science conference workshops devoted to measuring the success of wildlife programs and forest management. Crafted the organization's science positions on emerging issues such as climate change, wildlife disease, environmental pollutants, and endangered species. Distributed user-friendly technical information to diverse audiences, media (including Spanish-language), while rendering technical advice to partner non-governmental organizations, state and federal environmental agencies, and independent academic institutions and research institutes. Published 83+ peer-reviewed articles, edited volumes, research reports, blog postings, legal affidavits, and abstracts.

Director, David H. Smith Conservation Research Fellowship Program, Feb. 2001 – Oct. 2003; 40 Hours/Week; The Nature Conservancy, 4245 N. Fairfax Drive, Suite 100, Arlington, VA 22203

Created mentoring networks and designed a core curriculum of four professional development training courses for ~30 post-doctoral scholars being trained for national and international leadership in applied conservation biology, much of which was devoted to climate change research and mitigation. Surpassed by 20% a 5-year benchmark for contracting the number of fellowship awards via revisions to project standards and promotion of new fiscal incentives. Built from scratch a selection process wherein >45% of awards went to recipients in classes typically under-represented in the science disciplines. Expanded competitive selection of new post-doctoral scholars from a national pool of less than 40 to nearly 90 applicants annually. Managed an annual budget of approximately \$1.3 million; oversaw competitive bidding, contracting, and fiduciary oversight on awards to 10-15 research, educational, and non-profit institutions nationwide. Enlarged this program's science advisory board by a factor of four, including recruitment of 30 new members from government natural resource agencies, non-government organizations, and academic institutions. Coordinated communication, training, and collaboration among diverse program stakeholders, including science advisors (50 members), executive board (5), academic mentors (20), conservation mentors (20), post-doctoral fellows (15+), and program staff (2-4). Provided enhancements to program functionality during a massive reorganization, extensive downsizing, and negative media coverage of the fellowship host organization.

Senior scientist (ecology), Aug. 1995 – Feb. 2001; 40 Hours/Week; Ecology and Economics Research Department, The Wilderness Society, 1615 M Street, NW, Washington, DC 20036

Guided up to 5 interdisciplinary teams in long-range planning of environmental projects on land and forest management. Published 58 fact sheets, reviews, technical articles and reports under tight deadlines. Designed and delivered 48 environmental workshops and seminars. Promoted science applications in response to human and environmental health concerns precipitated by the *Exxon Valdez* oil spill. Created a management plan for protecting >1 million acres of state public land. Cultivated new revenue sources during a difficult period of downsizing. Hired and concurrently supervised up to 8 analysts, contractors, and interns. Advised the Southern Appalachian Assessment, a multi-agency consortium led by the U.S. Dept. of Agriculture implementing policy for 9 southern national forests and part of the United Nations Man and the Biosphere Program. Prepared technical analyses on biotic effects of salvage logging and delivered testimony to 104th U.S. Congress. Published 52+ peer-reviewed articles, legal affidavits, and abstracts.

Assistant professor (wildlife technology), Aug. 1992 – Jul. 1995; 40 Hours/Week; College Place, The Pennsylvania State University, DuBois, PA 15801

Created new access program for under-represented student minority. Improved instructional effectiveness with in-service training. Launched a new undergraduate curriculum in wildlife technical writing and publishing. Achieved elected status to graduate faculty and research associate after my analyses were adopted by public resource agencies. Cultivated inter-disciplinary research applications with the U.S. Dept. of State, Russian Academy of Sciences, an indigenous Alaskan municipality, and various academic and research institutions. Published 19 peer-reviewed articles, book chapters, and edited volumes, plus 5 additional research reports and abstracts.

Pew Marine Policy Fellow and guest investigator, Sept. 1989 – June 1995; 40 Hours/Week; Marine Policy Center, Woods Hole Oceanographic Institution, Woods Hole, MA 02543

Managed the preparation of book chapters on social and political obstacles to conserving the world's oceans. Collaborated on 10-member team of international scholars from the United States, Russian Federation, and other countries who were focused on achieving environmental security in the world's oceans during transition out of the Cold War era. Operated a rapid-response assessment of environmental impacts to Caribbean natural resources following Hurricane Hugo. Published 41 peer-reviewed articles, edited volumes, research reports, and abstracts.

Research biologist (GS-486-II), Sep. 1986 – Mar. 1989; 40 Hours/Week; Alaska Science Center, US Fish & Wildlife Service (now U.S. Geological Survey Biological Resources Division), 1011 E. Tudor Road, Anchorage, AK 99503; and LGL Alaska Research Associates, Inc., 1011 E. 76th Avenue, Anchorage, AK 99518

Implemented environmental projects for federal agencies, including community outreach and hiring directed at Native Alaskans on St. Lawrence Island, northern Bering Sea. Converted complex archives of environmental data across non-compatible computer platforms. Proposed, carried out, and published applied, peer-reviewed research on conservation of migratory birds to achieve management goals of the U.S. Fish & Wildlife Service and its federal partners (e.g., Minerals Management Service).

Education and Other Training

Ph.D. -- zoology, with concentrations in ecology, statistics, and biological oceanography, University of Georgia, Athens, GA 30609, December 1986 (Three consecutive years awarded the competitive University-wide Academic Scholarship, Best Student Paper Award).

B.Sci. -- biology, with minor in chemistry, Southern University, Collegedale, TN 37315, May 1981 (Summa Cum Laude, Who's Who in American Colleges and Universities, Tri-Beta Biological Honor Society, Bausch & Lomb Merit in Science Award).

High School, Collegedale Academy, Collegedale, TN 37315, May 1976.

National Conservation Training Center: (1) *Negotiation Strategies and Techniques*, (2) *Resolving Complex Environmental Issues with Stakeholders*, (3) *Conservation Genetics*, (4) *ARCVIEW Geographic Information Systems for Conservation Professionals*, (5) *ARCVIEW Geographic Information Systems Design for Regional Conservation Planning*.

The Nature Conservancy: (1) *Supervisory Success*, (2) *Managing for Results*.

Defenders of Wildlife: (1) *Leadership Training for Supervisors*, (2) *Conflict Resolution for Supervisors*, (3) *Positive Employees Relations*.

Publications, Presentations, and Grants

- Published more than 90 peer-reviewed applied science and environmental management papers, journal articles, books, book chapters, and book reviews on conservation topics (specific disciplinary fields encompassed climate change, ornithology, wildlife and fisheries management, vertebrate ecology, marine science, forestry, ecology, and natural resource management). My most recent book, *Woody's Last Laugh*, a work devoted to uncovering rampant thinking and decision errors in wildlife conservation, is under contract with John Hunt Publishing.
- Prepared more than 165 research technical reports to sponsors, abstracts, executive summaries, non-refereed articles, testimony (including Congressional), affidavits for environmental litigation, and other public documents.
- Delivered more than 150 invited or submitted speaking, workshop, and other oral presentations.
- Acted as Principal Investigator, Co-principal Investigator, or Director for more than 50 research grants, fellowship awards, and contracts.

University, College, and Continuing Education Courses Taught

- *Fundamentals of Avian Biology: the Life of Birds (Parts 1 & 2), Marine Birds and Mammals of the Southeastern United States: a Workshop* (Audubon Society of Northern Virginia; 2019-present)
- *Piedmont ecology, Mid-Atlantic forests, Marine birds and mammals of the western Atlantic Ocean, and Acoustic identification of birds: an introduction* (Fairfax Audubon Society - LEAPP program; 1999-2003).
- *Field techniques and census methodologies for migratory birds, Wildlife management techniques, Wildlife biometry and statistics, and Wildlife policy, conservation, and law enforcement* (Pennsylvania State University; 1992-1995).
- *Ornithology and Vertebrate zoology and comparative anatomy* (teaching assistant, University of Georgia; 1982-1984).
- *Ornithology and General biology* (Southern College; 1980-1981).
- *Field biology and General biology* (University of Tennessee: Chattanooga; 1978-1980).

Language Skills

Spanish (moderately fluent in reading and speaking, some writing), German (very limited reading, speaking), Russian (very limited speaking).

Computer Skills

PC and Macintosh operating systems; Word, WordPerfect, Excel, PowerPoint, EAGLS, ARCVIEW, Systat, STATVIEW, Power and Precision, Outlook, SuperPaint, PISCES, G*Power, SAS, STPLAN.

Honors, Awards, and Activities

Review Editor, *Marine Ecology Progress Series*, 2001 - 2003.

Outstanding Service Award, *Exxon Valdez* Oil Spill Restoration Program, 2002.

Edwards Prize for journal writing, The Wilson Society, 2000.

Continuing Forestry Education Certification, Society of American Foresters, 2000.

Outstanding Contributions as a Peer Reviewer for Restoration of Resources and Services Injured by the *Exxon Valdez* Oil Spill, 2000.

Community education instructor for Fairfax Audubon Society's Master Naturalist Certification program, 1999 - 2006.

National appointment to core science review panel acting on behalf of the *Exxon Valdez* Oil Spill Trustee Council (consortium composed of U.S. Departments of Interior, Commerce, and Agriculture; Alaska Departments of Fish & Game, Law, and Environmental Conservation), 1994 - 2000.

Invited Collaborating Scientist in Russian-American Bering Sea ecosystem project, U.S. Dept. of State, Division of Oceans and International Environment and Scientific Affairs, Washington, DC, 1993.

Invited Visiting Scientist P. P. Shirshov Institute of Oceanology (Russian Academy of Sciences), Moscow, Russia, 1993.

Invited Visiting Scientist and Lecturer, Arctic and Antarctic Research Institute and Hydrometeorological Institute, St. Petersburg, Russia, 1992.

Invited Visiting Scientist and Lecturer, VNI Priroda (Institute for Nature Protection and Reserves), National Zoological Museum, and Biogeographical Faculty, Moscow National University, Moscow, Russia, 1991-1993.

U.S. Sea Grant New Initiative Visiting Scientist, National Oceanic and Atmospheric Administration, Center for Ocean Analysis and Prediction, Monterey, CA, 1991.

Southern University (College) Young Alumnus of the Year, 1990.

Manuscript reviewer for: *Archives of Environmental Contamination and Toxicology, Arctic, Ambio, The Auk, Journal of Biodiversity and Ecological Sciences, The Birds of North America, Birding Magazine, Brimleyana, Canadian Journal of Zoology, The Chat, The Condor, Conservation Biology, Continental Shelf Research, Ecological Applications, Ecology, Environmental Management, Estuaries, Journal of Field Ornithology, Florida Field-Naturalist, Landscape Ecology, Limnology and Oceanography, Natural Areas Journal, Marine Biology, Marine Ecology Progress Series, Marine and Freshwater Research, Marine Ornithology, Marine Policy, Marine Pollution Bulletin, Princeton University Press, Proceedings of the 4th International Martes Symposium, Proceedings of the Southeastern Conference of Wildlife Biologists, Journal of Raptor Research, Studies in Avian Biology, Waterbirds, Journal of Wildlife Management, Urdu, Wilson Journal of Ornithology (Wilson Bulletin).*

Proposal or project reviewer for: *American Bird Conservancy, EPA's National Center for Environmental Research Science to Achieve Results (STAR) Fellowship Program, Gulf of Mexico University Research Collaborative (GOMURC), International Association of Fish and Wildlife Agencies task forces on Wildlife Resource Policy and Science & Research, International Bear Association, National Geographic Society, National Fish and Wildlife Foundation Grants Program, National Science Foundation (NSF) Division of Biological Oceanography, NSF Division of Polar Programs, NSF Office of Polar Programs (OPP) Antarctic Organisms and Ecosystems, New Jersey Sea Grant College Program, Research Enhancement Program for the San Francisco Bay-Delta, Society for Conservation Biology's David H. Smith Conservation Research Fellowship Program.*

Hobbies: scuba diving (YMCA certified); backpacking; fly-fishing; recreational birding; upland game bird hunting; wildlife photography; trekking and wilderness camping; Latin-American and West African music, history, archaeology, and cuisine.