



James R. Strittholt, Ph.D.

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PROFESSIONAL SKILL AREAS

Project Management: Experienced in managing multi and interdisciplinary conservation research projects.

Conservation Planning: including Conservation Gap Analysis, Vegetation Mapping, Landscape Ecology Applications, Parcel-based Mapping and Modeling, Watershed Analysis, Corridor Design, and Habitat Fragmentation Modeling.

Geographic Information Systems: Well-versed in computer mapping technologies, including web applications.

Ecological Assessment and Field Biology: terrestrial and aquatic vertebrates, vascular plants, and community ecology.

Communications and Public Speaking: 7 years teaching experience, experience in outdoor and natural history education via Hamilton County Park District, OH and Columbus and Cincinnati Zoos, experience speaking to user groups and technical personnel through the OSU Center for Mapping.

EDUCATION

Ph.D. Conservation Biology - Landscape Ecology, The Ohio State University, Columbus, OH, 1994

Dissertation: "A Regional Nature Reserve Design Using Geographic Information Systems for the Edge of Appalachia, Adams County, Ohio"

M.S. Zoology, Miami University, Oxford, OH, 1985

Thesis: "Population genetics of yellow perch in Lake Erie and selected impoundments"

B.S. Botany, B.A. Zoology, and Secondary Education Certification, Miami University, Oxford, OH, 1980

EMPLOYMENT HISTORY

August 1997 - present. **Founder, President and Executive Director of the Conservation Biology Institute**, Corvallis, OR

January 1995 - 2000. **Founder and President of Earth Design Consultants, Inc.**, Corvallis, OR

1994 - 1995. **Ecologist for North American Wilderness Recovery, Inc.**, Portland, OR- Responsible for scientific research and technical advising for conservation planning.

1992 - 1993. **The Ohio State University Presidential Fellow**, Columbus, Ohio- Responsibilities focused on research in conservation biology.

1989 - 1992. **Graduate Researcher: Center for Mapping, The Ohio State University**, Columbus, Ohio- Responsibilities included grant proposal writing, research project liaison, computer mapping and educational materials production.

1987 - 1989. **High School Science Teacher, Sycamore High School**, Cincinnati, OH - Courses taught included Biology I, Human Anatomy & Physiology, and Chemistry.

1986 - 1987. **High School Science Teacher, Princeton High School**, Cincinnati, OH - Courses taught included Chemistry, Environmental Science, and AP Biology.

1985 - 1986. **High School Science Teacher, Homestead High School**, Ft. Wayne, IN - Covered for Science Department Head for a one year sabbatical. Courses taught included Human Anatomy & Physiology, Zoology, and Bacteriology.

1983 - 1985. **Graduate Teaching Assistant, Department of Zoology, Miami University**, Oxford, OH.

1981 - 1983. **High School Science Teacher, Badin High School**, Hamilton, OH. Courses taught included: Biology I, Biology II, Microbiology, and Environmental Science.

1980 - 1981. **Large mammal keeper at Columbus Zoo**, Columbus, OH. Animals under my care included primates (gorillas, orangutans, and chimps), bears, cheetahs, and a variety of small South American mammals.

PROFESSIONAL REGISTRATIONS AND PERMITS

American Association for the Advancement of Science
Society for Conservation Biology
Ecological Society of America

PUBLICATIONS

Selected articles and book chapters

Strittholt, J.R. 2016. Mapping Tech Key to Data Apps That Bust Silos. The Environmental Forum May/June 2016, p. 55.

Bachelet, D., K. Ferschweiler, T. Sheehan, J.R. Strittholt. 2016. Climate change effect on southern California deserts. *Journal of Arid Environments* 127:17-29.

DellaSalla, D.A., R. Baker, D. Heiken, C.A. Frissel, J.R. Karr, S. Nelson, B. Noon, D. Olsen, and J.R. Strittholt. 2015. Building on Two Decades of Ecosystem Management and Biodiversity Conservation under the Northwest Forest Plan, USA. *Forests* 6: 3326-3352.

Lawler, J.J., Beier, P., Groves, G., Knight, G., Boyce Jr, D.A., Bulluck, J., Johnston, K.M., Klein, M.L., Muller, K., Pierce, D.J., Singleton, W.R., Strittholt, J.R., Theobald, D.M., Tombulak, S.C., and Trainor, A. (2015) Conserving Biodiversity: Practical Guidance about Climate Change Adaptation Approaches in Support of Land-use Planning. *Natural Areas Journal* 35(1)

White, M.D. and J.R. Strittholt. 2014. Forest Conservation Planning. Pages 205-226 in, K.M. Reynolds and P.S. Bourgeron (eds). *Making Environmental Management Decisions: Applications of the Ecosystem, Management Decision Support System*, Springer, Philadelphia, PA.

- Strittholt, J.R. and S. Leroux. 2012. A Methodological Framework for Protected Areas Planning in Support of the Canadian Boreal Forest Agreement. Prepared for the Science Committee and the National Working Group on Goals 2 and 3 of the Canadian Boreal Forest Agreement.
- Scheller, R.H., W.D. Spencer, H. Rustigian-Romsos, A.D. Syphard, B.C. Ward, and J.R. Strittholt. 2011. Using stochastic simulation to evaluate competing risks of wildfires and fuels management on an isolated forest carnivore. *Landscape Ecology*, 26: 1491-1504.
- Spencer, W.D., H. Rustigian-Romsos, J.R. Strittholt, R.H. Scheller, W. Zielinski, and R. Truex. 2011. Using occupancy and population models to assess habitat conservation opportunities for an isolated carnivore population. *Biological Conservation* 144:2, 788-803.
- Syphard, A.D., Scheller, R.M., Ward, B.C., Spencer, W.D., Strittholt, J.R. 2011. Simulating landscape-scale effects of fuel treatments on fire regimes in the Sierra Nevada, California, USA. *International Journal of Wildland Fire*, 20(3): Pages 364 - 383
- Spencer, W.D., H. Rustigian, R.M. Scheller, J.R. Strittholt, W.J. Zielinski, and R. Truex. In Press. Establishing a habitat and population baseline for fisher (*Martes pennati*) for modeling future species viability in the southern Sierra, California. *Ecological Applications*.
- Staus, N.L., J.R. Strittholt, and D.A. DellaSala. 2010. Evaluating areas of high conservation value in western Oregon with a decision-support model. *Conservation Biology* 24(3): 711-720.
- Strittholt, J.R. 2007. Coverage of protected areas. Pages 129-140 in, H. Strand, R. Höft, J. R. Strittholt, N. Horning, L. Miles, and E. Fosnight (eds.), *Sourcebook on Remote Sensing and Biodiversity Indicators*. Secretariat of the Convention on Biological Diversity, CBD Technical Series No. 32.
- Strittholt, J.R. and M. Steininger. 2007. Trends in selected biomes, habitats, and ecosystems: Forests. Pages 35-62 in, H. Strand, R. Höft, J. R. Strittholt, N.

Horning, L. Miles, and E. Fosnight (eds.), Sourcebook on Remote Sensing and Biodiversity Indicators. Secretariat of the Convention on Biological Diversity, CBD Technical Series No. 32.

Strittholt, J.R. 2007. Coverage of protected areas. Pages 129-140 in, H. Strand, R. Höft, J. R. Strittholt, N. Horning, L. Miles, and E. Fosnight (eds.), Sourcebook on Remote Sensing and Biodiversity Indicators. Secretariat of the Convention on Biological Diversity, CBD Technical Series No. 32.

Strittholt, J.R. and P. Lee. 2007. The Boreal Information Centre: Harvesting forest data. *The Wildlife Professional*, Fall 2007: 32-35.

Strittholt, J.R., D.A. DellaSala, and H. Jiang. 2006. Status of mature and old-growth forests in the Pacific Northwest, USA. *Conservation Biology* 20(2): 363-374.

Strittholt, J.R. 2006. After the smoke clears – ecological impacts of salvage logging. Pages 191-202 in, G. Wuerthner (ed.), The Wildfire Reader: A Century of Failed Forest Policy, Island Press, Washington, DC.

Scott, J.M., T. Loveland, K. Gergely, J.R. Strittholt, and N.L. Staus. 2005. National Wildlife System: Ecological context and integrity. *Natural Resources Journal* 44(4): 1041-1066.

Slosser, N.C., J.R. Strittholt, D.A. DellaSala, J. Wilson. 2005. The landscape context in forest conservation: Integrating protection, restoration, and certification. *Restoration Ecology* 23(1):15-23.

Technical Manuals, Reports and Reviews

Pearce, D., J.R. Strittholt, et al. 2016. A Path Forward: Identifying Least-Conflict Solar PV Development in California's San Joaquin Valley. 80pp.

Strittholt, J.R. 2015. In the U.S. Southeast, Natural Forests Are Being Felled to Send Fuel Overseas. NRDC Report. October 25pp.

- Strittholt, J.R., S.A. Bryce, B.C. Ward, and D.M. Bachelet. 2012. Sonoran Desert Rapid Ecoregional Assessment Report. Prepared for the Bureau of Land Management. Denver, CO.
- Bryce, S.A., J.R. Strittholt, B.C. Ward, and D.M. Bachelet. 2012. Colorado Plateau Rapid Ecoregional Assessment Report. Prepared for the Bureau of Land Management. Denver, CO.
- Strittholt, J.R. and J. Tutak. 2008. Assessing the Impact of Ecological Considerations on Forest and Shrubland Biomass Projections for California. A report for the Natural Resources Defense Council.
- Strittholt, J.R. 2007. Potential Ecological Impacts from Proposed Hydroelectric Projects on the Baker and Pascua Rivers in the Aisén Region of Patagonia, Chile. Report to International Rivers.
- Spencer, W.D., H. Rustigian, R.M. Scheller, and J.R. Strittholt. 2007. Phase II Report: Baseline Evaluation of Fisher Habitat and Population Status in the Southern Sierra Nevada. Final report to the USDA Forest Service (Region 5). 95 pp.
- Strittholt, J.R. 2007. Review of the scientific justification of survey and manage policy as part of the Northwest Forest Plan. Prepared for the Western Environmental Law Center, Eugene, OR. 9 pp.
- Strittholt, J.R. and E. Rubin. 2007. Designing Critical Habitat: A Review. Report to Environment Canada. 48 pp.
- Strittholt, J.R. and J. Bergquist. 2007. High Conservation Values in the Middle Atlantic Coastal Forests Ecoregion. Report to the Dogwood Alliance. 41 pp.
- Strittholt, J.R., N.L. Staus, G. Heilman, J. Bergquist. 2007. Mapping high conservation value and endangered forests in the Alberta Foothills in using spatially explicit decision support tools. Report to Limited Brands. 66 pp.
- Strittholt, J.R. 2006. Comments on the Environmental Impact Report for the Comprehensive Update to the Jackson Demonstration State Forest Draft Management Plan. Prepared for the Dharma Foundation.

- Strittholt, J.R. 2006. Forest Conservation Priority Setting for the Lake Region of Central Chile Using a Preliminary Endangered Forests Assessment. Report to the Fundación Chile. 47 pp.
- Strittholt, J.R. and P.A. Frost. 2006. Selecting Natural World Heritage Sites for the US – A Draft Priority Setting Tool. Report commissioned by IUCN. 14 pp.
- Strittholt, J.R., R. Nogueron, M. Alvarez, and J. Bergquist. 2006. Intact Forest Landscapes of Alaska, USA. A report and electronic atlas by the World Resources Institute and the Conservation Biology Institute. 90 pp.
- Strittholt, J.R., D.A. DellaSala, E. Fernandez, P.A. Frost, and G.E. Heilman, Jr. 2005. Oregon's Legacy Wild Forests: Conservation Value of Oregon's Inventoried Roadless Areas. A report by the Conservation Biology Institute, World Wildlife Fund US, and Oregon Natural Resources Council. 23 pp.
- Strittholt, J.R. and H. Rustigian. 2005. Ecological impact assessment of urban development on the Santa Clara River Watershed. A report prepared for the Lawyers for Clean Water and Environment Now. 24 pp.
- Strittholt, J.R. and H. Rustigian. 2005. The Santa Clara River watershed, California. A report prepared or the Lawyers for Clean Water and Environment Now. 30 pp.