

VITA - Vicky J. Meretsky

EDUCATION

University of Arizona, Tucson, AZ	Ph.D. Wildlife Ecology, Apr 1995
Foraging ecology of Egyptian vultures in the Negev desert, Israel	M.Sc. Statistics, May 1993
Humboldt State University, Arcata, CA	M.Sc. Wildlife, Aug 1988
Cornell University, Ithaca, NY	B.Sc. Biological Sciences, Jan 1980

ACADEMIC APPOINTMENTS

Professor: School of Public and Environmental Affairs, Indiana University; 2014 – current.
Affiliate Associate Professor: Integrated Program on the Environment, Indiana University, 2013-current.
Affiliate Associate Professor: Maurer School of Law, Indiana University; 2009 – current.
Associate Professor: School of Public and Environmental Affairs, Indiana University; 2003 – 2014.
Adjunct Professor: Department of Biology, Indiana University; 2000 - current.
Affiliated faculty: Inner Asian and Uralic National Resource Center 2005-current
Assistant Professor: School of Public and Environmental Affairs, Indiana University; Jan 97 - 2003.
Affiliated faculty for the International Studies major in the College of Arts and Sciences; 2002-current.
Research Associate: Center for the Study of Institutions, Populations, and Environmental Change (CIPEC),
Indiana University; 1998 - current.
Adjunct Professor: Department of Biology, Northern Arizona University; 1996 - 2001.

PUBLICATIONS (names in blue are students)

Peer-Reviewed Research Publications

Fischman, R.L., V.J. Meretsky, [A. Babko](#); [M. Kennedy](#); [L. Liu](#); [M. Robinson](#) and [S. Wambugu](#). 2014. Planning for adaptation to climate change: Lessons from the US National Wildlife Refuge System. BioScience: doi: 10.1093/biosci/biu160.

Meretsky, V.J., and R.L. Fischman. 2014. Learning from conservation planning for the U.S. National Wildlife Refuges. *Conservation Biology* 28:1415-1427.

Meretsky, V.J., L.A. Maguire, F.W. Davis, D.M. Stoms, J.M. Scott, D. Figg, D. Goble, D.B. Griffith, S.E. Henke, J. Vaughn, and S.L. Yaffee. 2012. A state-based national network for effective wildlife conservation. *BioScience* 62:970-976.

Hellman, J.H., V.J. Meretsky, and J.S. McLachlan. 2012. Strategies for reducing extinction risk under a changing climate. Chapter 17 in Hannah, L. (ed). *Saving a Million Species: Extinction Risk From Climate Change*. Island Press.

[Farmer, J.R.](#), D. Knapp, V.J. Meretsky, C. Chancellor, and B.C. Fischer. 2011. Motivations influencing the adoption of conservation easements. *Conservation Biology* 25:827-834.

Meretsky, V.J., [J.W. Atwell](#), and J.B. Hyman. 2011. Migration and conservation: frameworks, gaps, and synergies in science, law, and management. *Environmental Law* 41:447-534.

[Tepe, T.L.](#), and V.J. Meretsky. 2011. Forward-looking restoration under climate change: are US nurseries ready? *Restoration Ecology* 19:295-298.

Meretsky, V.J., V. Brack, Jr., T.C. Carter, R. Clawson, R.R. Currie, T.A. Hemberger, C.J. Herzog, A.C. Hicks, J.A. Kath, J.R. MacGregor, R.A. King, and D.H. Good. 2010. Digital photography improves consistency and accuracy of bat counts in hibernacula. *Journal of Wildlife Management* 74(1):166-173.

Peer-Reviewed Research Publications (continued; names in blue are students)

[Brittain, R.A.](#), V.J. Meretsky, and C.B. Craft. 2010. Avian communities of the Altamaha River Estuary in Georgia, USA. *Wilson Journal of Ornithology* 122(3):532-544.

[Brittain, R. V.](#) Meretsky, J. Gwinn, J. Hammond, and J. Riegel. 2009. Northern saw-whet owl (*Aegolius acadicus*) autumn migration magnitude and demographics in south-central Indiana. *Journal of Raptor Research* 43(3):199-209.

Meretsky, V.J. 2008. Mechanisms of change in seep/spring plant communities on the Colorado Plateau. Pp. 211-299 in L.E. Stevens and V.J. Meretsky, eds. *Aridland springs in North America: ecology, and conservation*. University of Arizona Press, Tucson, AZ.

L.E. Stevens and V.J. Meretsky. 2008. *Aridland springs in North America: ecology, and conservation*. University of Arizona Press, Tucson, AZ.

L.E. Stevens and V.J. Meretsky. 2008. Springs ecosystem ecology and conservation. Pp. 3-10 in L.E. Stevens and V.J. Meretsky, eds. *Aridland springs in North America: ecology, and conservation*. University of Arizona Press, Tucson, AZ.

Meretsky, V.J., R.L. Fischman, J.R. Karr, D.M. Ashe, J.M. Scott, R.F. Noss, and R.L. Schroeder. 2006. New directions in conservation for the National Wildlife Refuge System. *BioScience* 55(2):131-139.

Meretsky, V. 2005. Biodiversity conservation: risk assessment and management. In *Proceedings of the Azerbaijan National Man and the Biosphere Committee*. UNESCO.

VanWey, L.K., E. Ostrom, and V. Meretsky. 2005. Theories underlying the study of human-environment interactions. Pp. 23-56 in E.F. Moran and E. Ostrom (eds.) *Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems*. MIT Press, Cambridge, MA.

Fischman, R.L., and V.J. Meretsky. 2004. Managing biological integrity, diversity, and environmental health in the National Wildlife Refuges: an introduction to the symposium. *Natural Resources Journal* 44(4): 931-942.

Parker, Dawn C., and Vicky J. Meretsky. 2004. Measuring pattern outcomes of an agent-based model of edge-effect externalities using spatial metrics. *Agriculture, Ecosystems, and Environment* 101:233-250.

[Timm, A.](#) and V.J. Meretsky. 2004. Anuran habitat use on abandoned and reclaimed mining areas of Southwestern Indiana. *Proceedings of the Indiana Academy of Science* 113(2): 140-146.

Snyder, N.F.R., and V.J. Meretsky. 2003. California condors and DDE -- a reevaluation. *Ibis* 145:136-151

Meretsky, V.J., E.G. North, and L.E. Stevens. 2002. Kanab ambersnail and other terrestrial snails in south-central Utah. *Western North American Naturalist* 62:307-316.

Stevens, L.E., T.J. Ayers, J.B. Bennett, K. Christiansen, M.J.C. Kearsley, V.J. Meretsky, A.M. Phillips III, R.A. Parnell, J. Spence, M.K. Sogge, A.E. Springer, and D.L. Wegner. 2001. Planned flooding and riparian trade-offs: the regulated Colorado River Corridor in Grand Canyon. *Ecological Applications* 11: 701-710.

[Burcsu, T.K.](#), S.M. Robeson, and V.J. Meretsky. 2001. Identifying the distance of vegetative edge effects using Landsat TM data and geostatistical methods. *Geocarto International* 16:59-68.

Fischman, R.L., and V.J. Meretsky. 2001. Endangered species information: access and control. *Washburn Law Journal* 41: 90-113.

Meretsky, V.J., N.F.R. Snyder, S.R. Beissinger, D.A. Clendenen, and J.W. Wiley. 2000a. Demography of the California Condor: implications for reestablishment. *Conservation Biology*:14:957-967. See Responses to Comments section.

Peer-Reviewed Research Publications (continued; names in blue are students)

Meretsky, V.J., L.E. Stevens, and D.L. Wegner. 2000b. Balancing endangered species and ecosystems: a case study of adaptive management in Grand Canyon. *Environmental Management* 25:579-586.

Meretsky, V.J., R.A. Valdez, M.E. Douglas, M.J. Brouder, O.T. Gorman, and P.C. Marsh. 2000c. Spatiotemporal variation in length-weight relationships of endangered humpback chub: implications for conservation and management. *Transactions of the American Fisheries Society* 129:613-637.

Meretsky, V.J. and R.W. Mannan. 1999. Supplemental feeding regimes for Egyptian vultures. *Journal of Wildlife Management* 63(1): 107-115.

Meretsky, V.J. and T.S. Melis. 1997. Integration of Grand Canyon physical and biological information. Pp. 192-213 in C. van Riper, III, and E.T. Deshler, eds. *Proceedings of the 3rd Biennial Conference on Research in the Colorado Plateau National Parks*. National Park Service Transaction and Proceedings Series NPS/NRNAU/NRTP-97/12.

Zengel, S.A., V.J. Meretsky, E.P. Glenn, R.S. Felger and D. Ortiz. 1995. Cienega de Santa Clara, a remnant wetland in the Rio Colorado delta (Mexico): vegetation distribution and the effects of water flow reduction. *Ecological Engineering* 4:19-36.

Meretsky, V.J., and N.F.R. Snyder. 1992. Range use and movements of California condors. *Condor* 94:313-335.

Meretsky, V.J. 1987. Basic techniques for analyzing movement and home-range data. Pp. 135-137 in: Meretsky, V.J., tech. ed. *Experimental design and data analysis for telemetry projects: summary of a workshop*. *Raptor Research* 21:125-146.

Meretsky, V.J., tech. ed. 1987. *Experimental design and data analysis for telemetry projects: summary of a workshop*. *Raptor Research* 21:125-146.

Gutierrez, R.J., A.B. Franklin, W. LaHaye, V.J. Meretsky, and J.P. Ward. 1985. Juvenile spotted owl dispersal in northwestern California: preliminary results. Pp. 60-65 in Gutierrez, R.J. and A.B. Carey, tech. eds. *Ecology and management of the spotted owl in the Pacific Northwest*. Gen. Tech. Rept. PNW-185. U.S. Forest Service Pacific Northwest Forest and Range Experiment Station.

Marcot, B.G., and V.J. Meretsky. 1983. Shaping stands to enhance habitat diversity. *J. Forestry* 81: 526-528.

Responses to comments - research

Meretsky, V.J., N.F.R. Snyder, S.R. Beissinger; D.A. Clendenen, J.W. Wiley. 2001. Quantity versus quality in California Condor reintroduction: reply to Beres and Starfield. *Conservation Biology* 15:1449-1451.

Teaching Publications

Meretsky, V.J., and T.A.N. Wood. 2013. A novel approach for practitioners in training: a blended-learning seminar combining experts, students and practitioners. *Journal of the Scholarship of Teaching and Learning* 13:48-62.

Meretsky, Vicky J. 2013. Anonymous online student surveys anywhere. *Journal of Teaching and Learning with Technology* 2:66-68.

Meretsky, V.J. Teaching outdoors. 2010. Chapter 14 in H.L. Reynolds, E.S. Brondizio, J.M. Robinson (eds). *Teaching environmental literacy: across campus and across the curriculum*. Indiana University Press, Bloomington, IN.

Recent Public Service Publications, and Blogs

Meretsky, V.J. and R.L. Fischman. 2014. Con: Ceding land to states is short-sighted economically; historically and legally wrong. Editorial for McClatchy-Tribune Information Services (picked up by >30 US newspapers).

Meretsky, V.J. 2012. A coordinated national strategy for wildlife conservation – starting and maintaining the conservation. Ecotone, the Ecological Society of America's blog.
<http://www.esa.org/esablog/research/a-coordinated-national-strategy-for-wildlife-conservation/>

Meretsky, V.J., and L.A. Maguire. 2012. Scientists propose national conservation support network. Society for Conservation Biology News Blog. <http://www.conbio.org/publications/scb-news-blog/scientists-propose-national-conservation-support-network>

RECENT RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

At Indiana University:

- EPA (2013-2014) National Lakes Assessment grant to Melissa Clark. Statistical analysis line: \$5000.
- IU Institute for Advanced Study (2009-2010) Conservation of animal migration. Co-PI with Robert Fischman. \$14,400.
- EPA (2009-2010) National Lakes Assessment grant to William Jones. Statistical analysis line: \$5000.
- U.S. Fish and Wildlife Service (2009) \$720. Page charges for research article
- Efroymson Foundation (2008-2010) Indiana biodiversity initiative. \$10,000.

RECENT TEACHING GRANTS

US Department of Education (2009-2013) US-Russia Global Environmental Issues Research and Study Program. PI with Olena Chernishenko. \$400,000.

RECENT INVITED PRESENTATIONS

Invited Research Presentations at Professional Meetings and Workshops (names in blue are students)

2012. Meretsky, V.J. Modifying policies to permit forward-looking restoration, managed relocation, and other climate-change adaptation techniques. Symposium: The future of conservation planning. North American Congress for Conservation Biology. July, Oakland, CA.

2011. Meretsky, V.J. Lessons from the California condor reintroductions. Workshop on the future of vultures in Israel and the Middle East. 19-23 September. Israel Nature and Parks Authority, Israel.

2010. [Moore, T.T.](#), and V.J. Meretsky. Managed relocation: an option for managing montane wildlife and habitats under climate change. Symposium: Managing montane wildlife and habitat in a changing climate. The Wildlife Society Annual Conference, 2-6 October, Snowbird, UT.

PROFESSIONAL SOCIETIES

American Association of University Professors
American Association of University Women
American Institute of Biological Sciences
Ecological Society of America
Sigma Xi
Society for Conservation Biology
The Wildlife Society

RECENT TEACHING ASSIGNMENTS AT INDIANA UNIVERSITY

E591/V550 Climate-Change Impacts on Natural Resources. Fall 2013, 2014.
E555, E400, E710, V550 Conservation for the 21st Century. Fall 2010.
OVST W496 Global Environmental Issues Field Experience in Siberia. Summer 2010, 2011, 2013.
E555, E400, E710, V550 Global Environmental Problems and Solutions. Summer II 2010, 2011.
E555, E400, E710, V550 Conservation for the 21st Century. Fall 2010.
E555, E400, E710, V550 Effects of Climate Change on Fish and Wildlife Resources. Fall 2008.
V600 Capstone in Public and Environmental Affairs. Spring, Fall 2007; Spring 2010, 2012, 2014.
E538/V506 Statistics for Environmental Sciences. Fall 2006-2010, Spring 2012, 2013, Fall 2013, 2014.
E457/557 Conservation Biology. Fall 1997, 1998, Spring 2000-current, except 2012.

SERVICE

Recent University Service

Campus and inter-unit

Sustainability Community of Practice: 2013-current
IU AAUP Chapter, personnel grievance committee: 2011-current
IU Graduate Faculty Council: 2010-current.
Academic Policy Committee – GFC: 2010-2011.
IU Research and Teaching Preserves Executive Committee, IUB: 2005-current
Russian and Eastern European Institute Executive Committee: 2009-current
BSES Program Committee – 2009-2011
Inner Asian and Uralic National Resource Center Advisory Board, IUB: 2005-2011

SPEA

SPEA Director: Scholars of Global Citizenship program 2013-current
SPEA Teaching and Learning faculty group steering committee 2011-current
SPEA Teaching and Learning faculty group: chair of speakers subcommittee: 2012-current
SPEA Teaching and Learning faculty group: co-leader subcommittee on integration of team- and program-management skills into master's curricula: 2012-current
SPEA search committees: 1999, 2000, 2008-2009, 2009-2010, 2010-2011, 2013
SPEA Undergraduate Curriculum Committee: 2001-2004, 2008-current
SPEA Policy Committee: 2005-2009, 2014-2016
SPEA Budgetary Affairs Committee: 2005-2009, 2014-2016
SPEA MSES Admissions Committee: 2005-current

Recent Public Service

International Service

Invited participant at the Workshop on the Future of Vultures in the Middle East convened in Israel by the Israel Nature and Parks Authority and the Society for the Preservation of Nature in Israel. 18-23 Sep 2011.

National Service

Association of Fish and Wildlife Agencies. 2014. Capstone project to investigate novel funding mechanisms to support nongame wildlife conservation. With Professor Robert Fischman.

National Service (continued)

US Fish and Wildlife Service. 2012. Capstone project to review conservation planning in the Comprehensive Conservation Plans of the National Wildlife Refuges. With Professor Robert Fischman.

Defenders of Wildlife. 2010. Capstone project to review climate-change impacts on the National Wildlife Refuge System. With Professor Robert Fischman.

Kanab Ambersnail Working Group. 1995-2011 Team coordinates conservation of endangered Kanab ambersnail; academic, agency, private members.

State and Regional Service

Technical Advisory Committee on Bird Conservation. 2009-2012. National Audubon Society, Indiana office.

Technical Advisory Committee on Herpetofauna: voting member. 2005-present. Provide advice on herpetological matters to nongame program of Indiana Division of Fish and Wildlife.

Project OwlNet team member. 2002-present. Participate in mistnetting project to study migration of northern saw-whet owls.

Science advisory trustee to Indiana chapter, The Nature Conservancy. 2001-present.

Local service

Sycamore Land Trust: member of Board of Directors (1998-2013), science advisor (2013-present), co-leader of acquisitions committee (2011-present). Serves southern Indiana.

RECENT PROFESSIONAL ACTIVITIES

Reviewer

Grants

National Science Foundation
U.S. Civilian Research and Development Foundation
Indiana University Research and Graduate Development Office
National Park Service - Canon

Research Journals

Science, PLoS One, BioScience, Ecological Applications, Ecology, Conservation Biology, Conservation Ecology, Ecology and Society, Conservation and Society, Journal of Wildlife Management, Condor, Behaviour, Agriculture, Ecosystems, and Environment, Environmental Management, Regulated Rivers, Western North American Naturalist, Wildlife Society Bulletin, Bird Behavior, Journal of Raptor Research, Journal of Field Ornithology, Veliger

Journals of Teaching and Learning

Journal of the Scholarship of Teaching and Learning, Journal of Teaching and Learning with Technology

Symposia and Conferences Organized

Panel organizing committee and panel leader: *A national network for wildlife conservation: challenges and solutions*. The Wildlife Society Annual Conference, October 2013, Milwaukee, WI. With Brad Griffith, University of Alaska-Fairbanks and Lynn Maguire, Duke University.

Organizing committee: *IV International Conference: Environment and Natural Resource Management*. September 2013. Tyumen State University, Tyumen, Russia.

Symposium organizing committee: *How can a national network for wildlife conservation be implemented?* International Congress for Conservation Biology, July 2013, Baltimore, MD. With Brad Griffith, University of Alaska-Fairbanks and Lynn Maguire, Duke University.

Symposium co-chair: *The future of conservation planning*. 2012 North American Congress for Conservation Biology. July 2012, Oakland, CA. With Professor Robert Fischman, Maurer School of Law, IU.

Organizing committee: *II International Conference: Environment and Natural Resource Management*. 2011. Tyumen State University, Tyumen, Russia.

Semester-long faculty seminar co-leader: *The conservation of animal migrations*. 2010. IU New Knowledge seminar funded by the Institute of Advanced Studies. With Professor Robert Fischman, Maurer School of Law, IU.