

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

Affiliate Associate Professor: Maurer School of Law, Indiana University; 2009 – current.

Associate Professor: School of Public and Environmental Affairs, Indiana University; 2003 – current.

Adjunct Professor: Department of Biology, Indiana University; 2000 - current.

Assistant Professor: School of Public and Environmental Affairs, Indiana University; Jan 97 - 2003.

Research Associate: Center for the Study of Institutions, Populations, and Environmental Change (CIPEC), Indiana University; 1998 - current.

Affiliated faculty for the International Studies major in the College of Arts and Sciences; 2002-current.

Adjunct Professor: Department of Biology, Northern Arizona University; 1996 - 2001.

OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANTSHIPS

Department of Justice. Consultant, wetlands. 1998.

U.S. Fish and Wildlife Service, Flagstaff Field Office, Flagstaff, Arizona. Biometrician/Biologist. 1994 - 1996.

U.S. Fish and Wildlife Service, Hopper Mountain National Wildlife Refuge, Ventura, California. Consultant, database design and management. Feb 1993.

University of Arizona, School of Renewable Natural Resources Advanced Research Technology Group and University of Idaho Wildlife and Fisheries Cooperative Unit. Senior Research Specialist. 1993 - 1994

University of Arizona, School of Renewable Natural Resources, Tucson, Arizona. Research Assistant and Teaching Assistant 1989 – 1992.

U.S. Forest Service, Shasta-Trinity National Forest, McCloud Ranger District, McCloud, California. Wildlife biologist. Apr - August 1988.

Humboldt Foundation, Arcata, California. Research Assistant. 1983 – 1984.

Humboldt State University; Department of Wildlife, Arcata, California. Lecturer. 1982.

Oregon State University; Department of Fisheries and Wildlife, Corvallis, Oregon. Research Assistant. Summers 1981, 1982.

Humboldt State University, Department of Wildlife, Arcata, California. Teaching Assistant. 1981 – 1983.

Cornell University, Biology, Ecology and Systematics, Ithaca, New York. Research Assistant: 1978 - 1980

PROFESSIONAL SOCIETIES

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

HONORS

Research Honors

Aridland Springs in North America, co-edited with L.E. Stevens, was selected for inclusion in Choice Magazine's Outstanding Academic Titles list for 2009. Choice is published by the Association of College & Research Libraries, a division of the American Library Association.

David and Lucille Packard Fellowship for Science and Engineering, Indiana University, 1999. Nominated by SPEA and selected as 1 of 2 candidates from IU. \$500,000 over five years.

Teaching Honors

Indiana University

FACET – accepted as member, 2011
Trustees Teaching Award 2003, 2005, 2007, 2009
Teaching Excellence Recognition Award 1998, 1999, 2000
SPEA Outstanding Undergraduate Teaching Award 1998, 2002
SPEA Outstanding Graduate Teaching Award 2010

University of Arizona:

University of Arizona Excellence in Teaching Award

Other Honors

University of Arizona:

Gamma Sigma Delta Honor Society
Richard A. Seegmiller Award for Outstanding Graduate Student
Wildlife and Fisheries Outstanding Graduate Student Award

Cornell University:

Alpha Lambda Delta Honor Society

TEACHING ASSIGNMENTS:

Indiana University:

E555, E400, E710, V550 Conservation for the 21st Century. Fall 2010.
OVST W496 Global Environmental Issues/Language Learning Field Experience. Summer II 2010.
E555, E400, E710, V550 Global Environmental Problems and Solutions. Summer II 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.
V506 Statistical Analysis for Effective Decision Making. Fall 2006-current
E538 Statistics for Environmental Sciences. Fall 2006-current
E262 Environmental Problems and Solutions. Fall 2003, 2006, Spring 2008, 2009.
E579 Landscape Ecology. Summer 2003.
E457/557 Conservation Biology. Fall 1997, 1998, Spring 2000-current.
E680 Ph.D. Seminar. Fall 2002, Spring 2003, Fall 2008, Spring 2009.
E400/555 Field Techniques in Ecology. Fall 1997-2002.
E432-332/532 Introduction to Applied Ecology. Spring 2001-2006, Fall 2007-2009.
E162 Environment and People. Fall 1999-2002.
E527 Applied Ecology. Spring 1997, 2000 (1 section), Spring 1998-1999 (2 sections).
E579 Advanced Landscape Ecology. Fall 1999.
E579 Readings in Environmental Science. Spr 1999, Fall 1999, Fall 2001, Fall 2002.
E625, 710 Directed Research in Environmental Science. 1999-2007.
L740 Ecosystem Management on the Public Lands. Co-Instructor. Spring 2004.
Y773 International Forest Resources and Institutions. Co-Instructor. Fall 1999-2004.
L740 Law and the Conservation of Biological Diversity. Co-Instructor. Fall 1998.
E555, V550 Environmental Advocacy. Co-Instructor. Spring 2003

University of Arizona:

WFS 126 Wildlife Conservation Lab. Instructor. Fall 1989-1992.

Humboldt State University:

WL180 Wildlife Seminar. Lecturer. Spring 1982.
WL110 Wildlife Ecology. Teaching Assistant. Fall 1980-1982.
WL175 Wildlife Ethology. Teaching Assistant. Spring 1980-1981.
WL100 Introduction to Wildlife Management. Teaching Assistant. Winter 1982.

SERVICE

University Service

Campus and inter-unit

IU Graduate Faculty Council: 2010-2011.
Academic Policy Committee – GFC: 2010-2011.
IU Research and Teaching Preserves Executive Committee, IUB: 2005-current
IUB Commitment to Excellence – Statistics Department Formation: 2005-2006
Russian and Eastern European Institute Executive Committee: 2009-current
BSES Program Committee – 2009-current
Inner Asian and Uralic National Resource Center Advisory Board, IUB: 2005-2009

University Service (continued)

SPEA

SPEA search committee: 1999, 2000, 2008-2009, 2009-2010
SPEA Undergraduate Curriculum Committee: 2001-2004, 2008-current
SPEA Policy Committee: 2005-2009
SPEA Budgetary Affairs Committee: 2005-2009
SPEA MSES Admissions Committee: 2005-current
SPEA PhD ES Admissions Committees: 2005-2009
SPEA Bloomington Awards Committee: 1998-2000, 2003-4, 2005-2006.
SPEA Environmental Science and Policy alumni relations committee: 2001-2002.
SPEA Ad Hoc Task Force on Undergraduate Capacity, SPEA, IU: 2001.
SPEA System-wide Undergraduate Policy Committee, SPEA, System: 2000.
SPEA Bloomington Undergraduate Policy Committee, SPEA, IU: 1998-2000, 2009
SPEA Lilly Fellows Policy and Projects Committee: 1997-1999
SPEA Bloomington Graduate Policy Committee: 1997-1998
SPEA Ph.D. in Environmental Sciences Committee: 1997-1998
SPEA Fairness Committee: Spring 1997, 2010
SPEA Overseas Education Committee: 2010

Other IU units

Biology Department Search Committee (community ecology): 1999.

University of Arizona

Graduate student representative, School of Renewable Natural Resources Curriculum Committee:
University of Arizona, 1992.
Graduate student representative, College of Agriculture Search Committee for Associate Dean, Instruction:
University of Arizona, 1992.
Vice-President, Natural Resources Student Association: University of Arizona, 1991-1992.

Students Mentored

Ph.D. Director - Theresa Burcsu (1998-2006), David Welch (2000-2007), Thomas Moore (2007 – current)

Ph.D. Committee member - Jane Southworth (2000), Shana Weber (2002), Sandra Vasenda (2001), Elizabeth Lehman (Biology 2004), Jon Belmont (2004), Jabber Al-Jabber (School of Education 2004), Nancy Beecher (Biology: 2005), Regina Berger (U of Louisville, Biology 2005), Dale Weigel (2000-current), Christian Freitag (2005), Catherine Collins (School of Library and Information Science: 2000-2010), James Hayes (Geography 2008), Shanon Donnelly (Geography 2007), S. Luke Flory (Biology 2008), Candice Smith (2008) Catie Byers (U of Louisville, Biology 2007), Dawn O’Neal (Biology 2005-2009), J. Scott Townsend (School of Education 2008), Lauren Persha (2008); Michael Schoon (2008), Ross Brittain (2009) , Richard Thureau (2009), James Farmer (Health, Physical Education, and Recreation 2009), Cassie Quigley (School of Education 2007-current), Kristin Cook (School of Education 2007-current), Vanashri Nargund (School of Education 2007-current), Sarah Mincey (2008-2010), Monica Paulson-Priebe (2008-current), John Marton (2009-current), Randy Young (School of Education 2009-current).

MSES Thesis Director - Anne Timm (1999-2000), Angela Smith (2001-2002).

Independent Research – Joshua Mott (2005-2006), Therese Tepe (2009-2010)

Students Mentored (continued)

MS, MA, and MSES/MA . Committee member - Jeff Matthews (Biology 1998-1999), Peter Hurley (SPEA/Biology 1997- 2001), Christiana Manville (SPEA/Biology 1998-2000), Richard Bakewell (SPEA/REEI 2005-2007), Aurora Marin (Biology MA 2005–2006), Randy Bangert (NAU Biology 1997).

Undergraduate Honors Director (Bio) - Daniel Ems (1998-1999), Elizabeth Bockstiegel (2009-2010), Elizabeth King (2009-2010), Georgianna Auteri (2010)

Undergraduate Thesis Director (BSES) - Elizabeth Drake (2002-2003), Lori Block (2002-2003), Kevin Allison (2003), Jennifer Cleland (2003-2004), Meagan Curtis (2004-2005), Alissa Brown (2004-2005), April Arroyo Monroe (2005), Margaret Barnes (2005-2006) Ghaidaa Mohamad (2006), Meagan Brass (2006-2007), Rachel Maranto (2007-2008).

Undergraduate Thesis Committee member (BSES) - Patrick Evans (2001).

Undergraduate BSPA Research – Jonathan Mull (2003), Joshua Egenolf (2004).

Public Service

State and Regional Service

Technical advisory committees, advisory positions, membership in Research and Management Groups

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

Technical Advisory Committee on Bird Conservation. 2009-present. 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.

Indiana Biodiversity Initiative: Chair, Steering Committee. Promote distribution and use of conservation network planning tool developed within the Initiative. 2000-present.

Advisor to Muscatatuck National Wildlife Refuge on ecosystem and adaptive management, balancing trust resources and ecosystem approaches. 2002–2009.

Science advisor to Grand Canyon Wildlands Council, Inc. 2002-2008.

Muscatatuck National Wildlife Refuge Comprehensive Conservation Planning. Invited to participate in planning workshop to address CCP issues for the Refuge. 2007.

Technical Advisory Committee on Herpetofauna: nonvoting member. 1999-2004. Provide advice on herpetological matters to nongame program of Indiana Division of Fish and Wildlife.

Indiana Biodiversity Initiative: member Education Committee. 1997-1998. Work with members of state, federal, and private organizations to provide information about biodiversity to Indiana politicians, teachers, and the general public.

Program Development

Indiana Biodiversity Initiative: Chair, Steering Committee (2003-present), member Conservation and Restoration Team (1997-present). The team is composed of federal, state, NGO, and academic natural resource professionals working together to assess conservation and restoration opportunities and develop a spatially-explicit conservation network for Indiana ecoregions.

Development of Indiana's program under the U.S. Geological Survey's North American Amphibian Monitoring Program (NAAMP). 1998-1999. Supervised graduate students Andrea Karpoff and Lisa Blake in setting up state-wide amphibian monitoring program. The State now carries out the program and continues to acknowledge its SPEA beginning.

Membership on Boards, Trusteeship

Sycamore Land Trust: member of Board. Serves Monroe Co, IN and nearby counties. 1998-present.

Sassafras Audubon Society: member of Board. Serves Monroe and nearby counties. 1998-2002.

National Service

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

Effects of climate change on fish and wildlife resources. 2008. Distance-learning/distance-teaching seminar and training opportunity provided to US Fish and Wildlife Service Region 3 (Upper Midwest) and collaborating agencies. Provided training in climate change to >100 agency personnel as well as opportunities to interact with fellow managers, speakers, and students.

Cerulean Warbler Risk Assessment. 2006. Independent peer observer at risk assessment workshop to summarize species information for USFWS listing decision. National Conservation Training Center, WV.

Indiana Bat Recovery. 2005-2009. Invited to present information on demographic modeling and uncertainty at the U.S. Fish and Wildlife Service's Indiana Bat Risk Assessment meeting at the National Conservation Training Center. Following that, have become involved in efforts to model uncertainty in existing demographic data for the species. Attended Indiana Bat Recovery Plan meeting in Region 3 and have subsequently commented on portions of the recovery plan associated with demographics.

Clark County Multi-species Habitat Conservation Plan. 1995. One of 6 environmental scientists invited by the Implementation and Monitoring team to travel to Las Vegas to serve as outside reviewers in an exercise to improve the quality of science being brought to bear on a \$4 million/biennium process of studying sensitive and rare species in Clark County, Nevada.

Review of the population monitoring protocol for the federally endangered Iowa Pleistocene Snail for the U.S. Fish and Wildlife Service. 2002

Invited presentation to California condor recovery team. 2000. At invitation of U.S. Fish and Wildlife Service program leader, attended meeting and discussed implications of my recent work on California condor demographics (see Research Publications) in the release program.

Invited consultant on Kanab ambersnail. 2000. At invitation of Grand Canyon National Park, participated as expert on ambersnail conservation at Grand Canyon National Park conference to formulate quantitative resource targets as part of the Glen Canyon Dam Adaptive Management Program.

National Service (continued)

Invited presentations on ambersnail populations in northern Arizona and southern Utah. Invited presentations to expert panel convened by Arizona Game and Fish Department and Western Area Power Administration to evaluate conservation and management activities associated with endangered Kanab ambersnail. 1999.

Consultation with John Rodgers, Deputy Director of U.S. Fish and Wildlife Service and other Service representatives and two coauthors of the article condor reestablishment to brief U.S. Fish and Wildlife Service on current problems with the condor release program. 1999.

Consultation with Bureau of Reclamation 1997. Panel convened by the Bureau of Reclamation to assess a synthesis of existing research on endangered and other native fishes in Glen and Grand Canyon, and to identify information needs to protect those species.

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.

Part of the U.S. State Department-funded *Linkage Project to Establish A Higher-Education Program in Public Administration at Western University, Baku, Azerbaijan*. Developed recommendations for environmental science curriculum. Summer 2003

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

Journals

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

Symposia and Conferences Organized

Organizing committee: Organizing committee support for conference Forest Land Conservation: an Indiana portfolio. Conference convened by IU-CIPEC, Purdue Dept of Forestry and Natural Resources, IDNR – Division of Forestry, and The Nature Conservancy. November 2005. Nashville, IN.

Conference co-chair : *Managing wildlife for sustainable forests, managing forests for sustainable wildlife: A conference for forests, wildlife, and a common sense future.* Combined State Societies of Forestry and Wildlife Management. March 2005, Indianapolis, IN.

Workshop co-chair: *Managing Biological Integrity, Diversity, and Environmental Health in the National Wildlife Refuges.* 1-3 April 2004. Indiana University School of Law and SPEA.

Symposium co-chair: "Every last drop: ecology, conservation, and restoration of North American springs ecosystems" 2002 Annual Meeting of the Ecological Society of America, Tucson, AZ.

Co-chair Conference: "Springs ecosystems of the North American deserts: ecology, hydrology, and conservation," Arizona-Sonoran Desert Museum, 2000, Tucson, AZ.

RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

At Indiana University:

US Department of Education (2009-2012) US-Russia Global Environmental Issues Research and Study Program. PI with Olena Chernishenko. \$400,000.

IU Institute for Advanced Study (2009-2010) Conservation of animal migration. Co-PI with Robert Fischman. \$14,400.

U.S. Fish and Wildlife Service (2009) \$720. Page charges for article related to endangered Indiana bat management.

Efroymsen Foundation (2008-2010) Indiana biodiversity initiative. \$10,000.

The Nature Conservancy (2007) Indiana biodiversity initiative. \$3000.

SPEA (2007) Indiana bat counts from hibernaculum photographs. \$814.

Title VI grant to the Inner Asian and Uralic National Resources Center (2006-2009). Research website and middle-school module related to Central Asia. \$12,920.

SPEA (2006) Funding to add color illustration to BioScience article. \$800.

U.S. Forest Service (2005-2008) Support for invasive species: research, education, and eradication. \$50,000.

Indiana Department of Natural Resources Lake Michigan Coastal Management Program. (2005) Contract to produce GIS assessment of conservation opportunities in the LMCP area of responsibility. \$18,000.

The Nature Conservancy (2004-2005). Funds to support Indiana Biodiversity Initiative work. \$2000.

National Science Foundation, Small Grants for Exploratory Research Program (2002) Collaborator. An opportunity to study unpredictable events of catastrophic proportions in temperate forest ecosystems: developing a baseline to assess cascading effects and coupled interactions. \$31,960.

Muscatatuck Wildlife Society (2002-2003) P.I. Population surveys for state endangered *Hemidactylium scutatum* (four-toed salamander) at Muscatatuck National Wildlife Refuge. \$2,150.

Muscatatuck Wildlife Society (2002-2003) P.I. Ecosystem controls of acidity at the Seep-Spring Research Natural Area, Muscatatuck National Wildlife Refuge. \$2,400.

National Science Foundation, Doctoral Dissertation Research Improvement Grants (2001-2003) PI for Theresa Burcsu; Assessing and modeling forest edge effects and habitat in tropical dry forest of upland Oaxaca, Mexico. \$10,000 for September 2001 - February 2003.

RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

At Indiana University (continued)

- National Science Foundation, Biocomplexity Program (2001-2005) Co-PI; Biocomplexity in linked bioecological-human systems. \$2,749,232 for 2001-2005.
- Indiana Academy of Science (2000) PI for Anne Timms; Amphibian use of reclaimed and abandoned mining areas of southwestern Indiana. \$700.
- U.S. Fish and Wildlife Service (2000) P.I. Challenge Cost-Share: Vegetation and ecology research in Muscatatuck Seep-Spring Natural Area, Indiana. \$2,400.
- Indiana University Research Investment Fund (2000) Collaborator. A research and teaching preserve for the IU campus. \$46,500.
- U.S. Fish and Wildlife Service (1999) PI for Anne Timms; Amphibian use of reclaimed and abandoned mining areas of southwestern Indiana. \$1,000.
- Bureau of Land Management (1999) P.I.; Baseline inventory and monitoring of the Kanab ambersnail: Grand-Staircase Escalante National Monument, Utah. \$9,000.
- Bureau of Land Management (1999) P.I. Challenge Cost-Share: Evaluation of Kanab ambersnail population in Kanab Canyon, Utah. \$2,500.
- Muscatatuck National Wildlife Refuge (1999) P.I. Challenge Cost-Share: Vegetation and ecology research in Muscatatuck Seep-Spring Natural Area, Indiana. \$2,400.
- Grand Canyon Monitoring and Research Center (1998, 1999) P.I.; Research and monitoring of Kanab ambersnails in Grand Canyon, Arizona. \$46,904 each year.
- U.S. Bureau of Reclamation, Upper Colorado Region (1997) P.I.; Cooperative agreement to fund monitoring of endangered Kanab ambersnails. \$14,511.
- U.S. Fish and Wildlife Service, Ohio River Valley Ecosystem Team (1997-1999) Co-P.I.; With Dr. Donald Whitehead, K. Willsey and P. Hurley for Neotropical migrant songbird research. \$6,300.
- U.S. Fish and Wildlife Service (1997) Co-P.I.; Proposal with Kevin Willsey and Dr. Donald Whitehead for Neotropical migrant songbird research in Indiana. \$6,300.
- Indiana Academy of Science (1997-1998) Co-P.I.; With Dr. Donald Whitehead and Kevin Willsey for Neotropical migrant songbird research. \$1,200.

At U.S. Fish and Wildlife Service (1994 - 1997):

- U.S. Bureau of Reclamation - Multi-agency proposal to assess, mitigate, and monitor impacts of an experimental high-flow event on endangered Kanab ambersnails in Grand Canyon. 1996-1997. \$20,000

At University of Arizona (1987 - 1994):

- U.S. Fish and Wildlife contract. 1993. Training presentation and materials on FoxPro database management for California condor data. \$3000.
- Israel Nature Reserves Authority. 1991. Research and write a plan for conservation and management of Negev lappet-faced vultures. \$2000.
- U.S. Fish and Wildlife contract. 1990-1991. Analyze and publish data on California condor range use and movements. \$5,300
- Blaustein Fellowship 1990. Dissertation research. \$2000
- Chapman Foundation Grant. 1989. Dissertation research. \$400
- Stephen R. Tully Memorial Grant. 1987. Dissertation pilot research. \$500
- Leslie Brown Memorial Grant. 1987. Dissertation pilot research. \$500
- Sigma Xi Grant-In-Aid. 1989. Dissertation research. \$300
- U.S. Fish and Wildlife contract. 1988-1989. Analyze remote condor telemetry data. \$7,920

TEACHING GRANTS

IU Scholarship of Teaching and Learning Writing Retreat Award. May 2009. Admitted to writing retreat for work on peer-reviewed manuscript related to scholarship of teaching and learning.

Title VI grant to the Inner Asian and Uralic National Resource Center at IU. 9/2006 – 7/2009. Grant to fund development of website concerning conservation in Central Asia, and to fund an integrated teaching middle-school module about Central Asia. \$7000.

IU Teaching and Learning Technologies Laboratory Grant. 2003. Grant to scan 1000 slides to digital format for teaching purposes for Applied Ecology classes. \$300.

PUBLICATIONS AND PRESENTATIONS

Peer-Reviewed Research Publications

Hellman, J.H., V.J. Meretsky, and J.S. McLachlan. In press. Strategies for conserving biodiversity under a changing climate. Chapter 17 in Hannah, L.J. (ed). 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.

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.

Peer-Reviewed Research Publications (continued)

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.

Burcu, 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.

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.

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.

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.

Peer-Reviewed Research Publications (continued)

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.

Education Publications

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.

Responses to comments

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.

Research Contract Final Reports

Meretsky, V.J., and W.W. Jones. 2010. Survey of the nation's lakes: Indiana data analysis. Report to Indiana Department of Environmental Management for the Environmental Protection Agency.

Davis, F.R., B. Griffith, S. Henke, L. Maguire, V. Meretsky, J.M. Scott, D. Goble, J. Vaughn, S. Yaffee, and D. Stoms. 2008. Initial implementation of the State Wildlife Action Plans: conservation impacts, challenges and enabling mechanisms. Final Report to the National Council for Science and the Environment's Wildlife Habitat Policy Research Program.

Meretsky, V.J. and F.Clark. 2006. Biodiversity conservation possibilities and threat assessment for the Indiana Lake Michigan Coastal Management Program: an update and analysis of part of the Northwest Morainal Natural Region assessment of the Indiana Biodiversity Initiative. Amended Final Report to the Indiana Department of Natural Resources Lake Michigan Coastal Program.

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