

**SANJAY PYARE**  
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### **CURRENT POSITION**

Assistant Professor and Program Coordinator, Environmental Science & Geography Programs, University of Alaska Southeast (UAS), Juneau, AK.

### **EDUCATION**

Ph.D. 2000 Ecology, Evolution and Conservation Biology, University of Nevada, Reno, NV.

B.A. 1992 Biology (Minor: Studio Art), Hartwick College, Oneonta, NY.

### **POST-DOCTORAL**

2000-2001 Post Doctoral Research Scientist, Wildlife Conservation Society, Jackson Hole, WY.

### **OTHER APPOINTMENTS**

2010-present Affiliate Professor, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks

2006-present Affiliate Professor, Institute of Arctic Biology, University of Alaska Fairbanks

2001-present Research Associate, Conservation Biology Department, Denver Zoological Foundation

### **TEACHING**

#### Courses taught at UAS:

- Introduction to ArcGIS – ENVS/GEOG 110
- Differential and Non-Differential Global Position Systems – ENVS/GEOG 111
- Mobile Geographic Information Systems – ENVS/GEOG 309\*
- Geographic Information Systems – ENVS/GEOG 310
- Remote Sensing – ENVS/GEOG 406
- GIS Jam: Project Applications in GIS and Remote Sensing – ENVS/GEOG 409\*
- Advanced Geographic Information Systems – ENVS/GEOG 410
- GIS Software Training – ENVS 411\*
- Biogeography & Landscape Ecology – ENVS/GEOG 415\*
- Digital Toolkit for K-12 Place-Based Learning – ED193\*
- Geography Seminar – ENVS/GEOG 492\*

#### Courses taught at UAF:

- Seminar in Applied Spatial-Analysis (FISH 692)\*
- Seminar in Spatial Analysis and Sampling in Wildlife and Ecological Sciences (WLF 692)\*

#### Workshops & Training:

- Leadership for Engaging Academic Design (Project LEAD). A high-school principal workshop in place-based learning curricula, UAS School of Education, 2010-2011.
- GIS Basics for Fisheries Practitioners, Alaska Fisheries Society, 2010.
- Southeast Alaska Place-Based Education Institute. K-12 teacher workshop, Alaska Staff Development Network, 2010.
- GIS Tools for Place-Based K-12 Curricula in Southeast Alaska. A high-school teacher workshop in native Alaskan-serving communities, Sealaska Heritage Institute, 2007.

\*New Course

## **AWARDS & GRANTS**

### External Awards

- Coastal GIS module of the Southeast Alaska GIS library. Alaska Department of Natural Resources Coastal Impact Assessment Program. \$239,966. 2012-2014.
- Cross Boundary Data Integration. North Pacific Landscape Conservation Cooperative. \$36,000. 2011-2012 (with UAS faculty Mike Goldstein)
- Assessing the Sensitivity of Alaska's Coastal Rainforest Ecosystem to Changes in Glacier Runoff. U.S. Geological Survey. \$25,000. 2011-2012. (with UAS faculty Eran Hood)
- Landscape genetics of Glacier Bay brown bears. National Park Service. \$42,918. 2010-2011.
- Interactions between cruise ships and humpback whales in Glacier Bay National Park. National Park Foundation. \$199,423. 2010-2015.
- Development of a GIS National Hydrography Dataset (NHD) in Alaska. U.S. Geological Survey. \$63,572. 2010-2011.
- Southeast Alaska GIS Library, user training module development, and pilot demonstration project. U.S. Fish and Wildlife Service. \$109,000. 2008-2013.
- Southeast Alaska GIS Library. U.S. Forest Service Alaska Region. \$45,000. 2009-2010.
- The Alaska Gap Analysis Program. U.S. Geological Survey. \$1,340,790. 2009-2011. (with UAA and UAF faculty Tracey Gotthardt and Falk Huettmann)
- Aleutian Tern migration patterns and population status. Alaska Department of Fish and Game Non-Game Program. \$105,403. 2008-2012. (with USFS scientist M. Goldstein)
- Distribution of large ships and large whales. Pacific Life Foundation. \$30,000. 2007-2010.
- Influences on the rate and severity of encounters between large ships and large whales. National Fish and Wildlife Foundation. \$114,000. 2007-2010. (with NPS scientist Scott Gende)
- Southeast Alaska GIS Library. Alaska Department of Fish and Game. \$40,700. 2007-2008.
- Assistance with the U.S. Forest Service vegetation mapping program. U.S. Forest Service Alaska Region. \$5,700. 2007.
- Resilience and vulnerability in a rapidly changing North: integration of physical, biological and social processes. National Science Foundation EPSCoR Program. \$9,000,000. 2007-2010. (1 of 22 leaders across UA)
- Remnant populations of boreal toads in changing landscapes of Alaska. Denver Zoological Foundation. \$4,500. 2007.
- NPSpecies database certification for the Southeast Alaska Park Network (SEAN) Inventory & Monitoring Program National Park Service. \$27,142. 2006-2008.
- Modeling amphibian distribution in Alaska. Alaska Natural Heritage Program. \$6,000. 2007.
- Distribution of wildlife and off-highway vehicle access on the Yakutat forelands. U.S. Forest Service. \$35,000. 2005-2006.
- Assessment of coastal water resources and watershed conditions in and adjacent to SW Alaska National Parks. National Park Service. \$127,920. 2005-2008. (with UAS faculty S. Nagorski, E. Hood, and G. Eckert)
- Monitoring of boreal toads in Southeast Alaska. Alaska Department of Fish and Game Non-Game Program. \$70,000 2005-2006.
- Landscape connectivity of the Tongass old-growth reserve system. Earthwatch Foundation. \$29,180. 2005-2006.
- Landscape connectivity of the Tongass old-growth reserve system. U.S. Fish and Wildlife Service. \$174,000. 2005-2008. (with USFS. scientist W.P Smith)
- Assessment of boreal toads in Glacier Bay National Park. National Park Foundation. \$10,000. 2005. (with USGS scientist M. J. Adams)
- Canada lynx habitat and distribution in Grand Teton National Park. National Park Service. \$45,000. 2001-2004. (with WCS scientists J. L. Weaver and J. Berger)
- Inventory of Canada lynx and wolverine in Bridger-Teton National Forest. U.S. Forest Service. \$27,000. 2001-2004.
- Distribution of winter recreation on wolverine and Canada lynx habitat in Grand Teton National Park. National Park Service. \$10,000. 2001-2004.
- Geographic and ecological assessment of large-carnivore recovery in the southern Yellowstone ecosystem. Post-doctoral fellowship with the Wildlife Conservation Society. \$48,000. 2000-2002.

### Internal Awards

- Ecological and Sociocultural Implications of Changes in the Distribution and Abundance of Sockeye Salmon. Alaska EPSCoR. \$28,878. 2010-2011. (with UAS faculty David Tallmon and Dan Montieth)
- Spatial Ecosystem Analysis Lab at UAS. Geographic Information Network of Alaska (GINA). \$300,000. 2005-2012.

Interdisciplinary lab for analysis of ecosystem change. Alaska EPSCoR Integrative Faculty-Development Award. \$18,000. 2009-2010.

Post-doctoral fellowship. Alaska EPSCoR. \$130,075, 2009-2010. (with D. Tallmon)

Early career fellowship. Alaska EPSCoR. \$44,506. 2008-2009.

UAS Sustainability Initiative. University of Alaska Statewide. \$24,000. 2007-2008. (with K. Maier & D. Monteith)

Unleashing educational technology: using mobile GIS to stimulate experiential geography in Alaska. University of Alaska Education Technology Team. \$19,760. 2007-2008.

Socio-ecological resilience in Yakutat. Alaska EPSCoR graduate fellowship. \$28,000. 2007-2008. (with C. Shanley)

Interdisciplinary student and faculty research: Mapping sociological values towards natural resource use in Yakutat. UAS Chancellor's Special Project Fund. \$4,200. 2007-2008.

Species-distribution modeling in relation to climate change. Alaska EPSCoR Young Investigator First Award. \$48,660. 2006-2007.

Statewide, multi-agency conference on declining amphibian populations. University of Alaska President's Special Project Fund. \$5,500. 2006.

Phylogeographic analysis of western toads in Southeast Alaska. UAS Chancellor's Special Project Fund. \$5,000. 2005. (with D. Tallmon)

GIS participatory-mapping project. University of Alaska Educational Partnership. \$ 31,863. 2005-2006.

## PEER-REVIEWED PUBLICATIONS

### Submitted

**Pyare, S.** Distribution and conservation status of remnant amphibian populations in a north temperate ecosystem. In review in *Animal Conservation*.

**Pyare, S.** & W.P. Smith. Effective distance: an empirically derivable parameter for landscape connectivity assessments. In review in *Landscape Ecology*.

Shanley, C.S., **S. Pyare** & G.P. Kofinas. Balancing the conservation of wildlife habitat with subsistence hunting access: a geospatial scenario approach. In review in *Ecology and Society*.

Shanley, C.S., **S. Pyare** & W.P. Smith. Forest-matrix condition shapes habitat selection in a fragmented landscape. In review in *Ecography*.

**Pyare, S.** & W.P. Smith. Functional connectivity of conservation reserves in temperate rainforest landscapes. In review in *Conservation Biology*.

Breck, S.W., M. Goldstein, and **S. Pyare**. Site-occupancy monitoring of an ecosystem indicator in riparian ecosystems. In review in *Ecological Indicators*.

### Accepted, In Press, or Published:

Moore, J.A., D.A. Tallmon, J. Nielsen & **S. Pyare**. 2011. Effects of the landscape on gene flow: does the pattern-process relationship hold true across variable landscape conditions? In press in *Molecular Ecology*.

Gende, S.M., A.N. Hendrix, K.R. Harris, B. Eichenlaub & **S. Pyare**. 2011. Identifying the role of ship speed and other factors influencing encounters between humpback whales and cruise ships in Alaska. *Ecological Applications* 21: 2232 – 2240.

Shanley, C.S. & **S. Pyare**. 2011. Evaluating the road-effect zone on wildlife distribution in a rural landscape. *Ecosphere* 2: 1-16.

Smith, W.P., D.K. Person & **S. Pyare**. 2010. Source-sinks, metapopulations, and forest reserves in the temperate rainforests of Southeast Alaska. In: *Sources, Sinks, and Sustainability across Landscapes*, Cambridge University Press, Cambridge, U.K.

**Pyare, S.**, W.P. Smith & C. Shanley. 2010. Den use and selection by northern flying squirrels in fragmented landscapes. *Journal of Mammalogy*. 91:886-896.

Olson, D. & 16 other contributors. 2009. Herpetological conservation in the Pacific Northwest. *Northwestern Naturalist* 90:61-96.

Flaherty, E.A., W.P. Smith, **S. Pyare** & M. Ben-David. 2008. Can body size predict the perceptual range of northern flying squirrels (*Glaucomys sabrinus*) traversing a managed landscape? *Canadian Journal of Zoology* 86:1050-1058.

Adams, M.J., S. Galvin, D. Reinitz, R. Cole, **S. Pyare**, M. Hahr & P. Govindarajalu. 2008. Incidence of the fungus, *Batrachochytrium dendrobatidis*, in amphibian populations along the northwest coast North America. *Herpetological Review* 38:430-431.

- S.Nagorski, G. Eckert, E. Hood & **S. Pyare**. 2008. Assessment of Coastal Water Resources and Watershed Conditions at Lake Clark National Park and Preserve, Alaska. Natural Resource Technical Report NPS/NRWRD/NRTR-2008/373.
- S.Nagorski, G. Eckert, E. Hood & **S. Pyare**. 2007. Assessment of Coastal Water Resources and Watershed Conditions at Aniakchak National Park, Alaska. Natural Resource Technical Report NPS/NRWRD/NRTR—2007/371.
- S.Nagorski, G. Eckert, E. Hood & **S. Pyare**. 2007. Assessment of Coastal Water Resources and Watershed Conditions at Katmai National Park and Preserve, Alaska. Natural Resource Technical Report NPS/NRWRD/NRTR-2007/372
- Pyare, S.**, R.E. Christensen III, R.C. Carstensen & M.J. Adams. 2006. Preliminary assessment of breeding site occurrence, microhabitat associations, and sampling for western toad (*Bufo boreas*) monitoring in Glacier Bay. Proceedings of the Fourth Glacier Bay Science Symposium, 2004. USGS/BRD/ITR-2005-00, Washington, D.C.
- Pyare, S.**, S. Cain, D. Moody, C. Schwartz & J. Berger. 2004. Carnivore recolonisation: reality, possibility, and a non-equilibrium century for grizzly bears in the southern Yellowstone ecosystem. *Animal Conservation* 7:1-7.
- Pyare, S.** & J. Berger. 2003. Beyond demography and delisting: ecological recovery for Yellowstone's grizzly bears and wolves. *Biological Conservation* 113:63-73.
- Pyare, S.**, W.P. Smith, J.V. Nicholls & J.A. Cook. 2002. Diets of northern flying squirrels in Southeast Alaska. *Canadian Field-Naturalist* 116:98-103.
- Pyare, S.** & W.S. Longland. 2002. Influence of habitat characteristics and truffles on habitat use by northern flying squirrels in old-growth forests. *Canadian Journal of Forest Research* 32(6):1016-1024.
- Pyare, S.** & W.S. Longland. 2001. Mechanisms of truffle detection by northern flying squirrels. *Canadian Journal of Zoology* 79:1007-1015.
- Pyare, S.** & W.S. Longland. 2001. Patterns and consequences of ectomycorrhizal fungi consumption by small mammals in Sierra Nevada old-growth forests. *Journal of Mammalogy* 82:681-689.
- Pyare, S.** & J. Hodge. 2000. Northern flying squirrel. Pp 86-94 in D.M. Murphy and C.M. Knopp (eds.), Lake Tahoe watershed assessment (Vol. 2). USDA Gen. Tech. Rep. PSW-GTR-176.
- Pyare, S.** & W.S. Longland. 2000. Seedling aided cache detection in desert rodents. *Oecologia* 122:66-71.
- Longland, W.S., S.H. Jenkins, S.B. Vander Wall, J.A. Veech & **S. Pyare**. 2000. Seedling recruitment in Indian ricegrass: are desert granivores mutualists or predators? *Ecology* 82(11):3131-3148.
- Vander Wall, S.B., W.S. Longland, **S. Pyare** & J.A. Veech. 1998. Cheek pouch capacities and loading rates of heteromyid rodents. *Oecologia* 113:21-28.
- Pyare, S.** J.A. Kent, D.L. Noxon & M.T. Murphy. 1993. Acorn preference and habitat use by eastern chipmunks. *American Midland Naturalist* 130:173-183.

## CURRENT RESEARCH PROJECTS

- Paleo-Geographic Reconstruction of Southeast Alaska Landscapes. Synthesizing GIS models from geophysical, glacier mass balance, and sea-level fluctuation data to reconstruct historical landmass distribution and biogeographic patterns in the Alexander Archipelago.
- Alaska Gap Analysis Project. Cooperating with federal scientists and UA faculty to develop GIS models of the distribution and conservation status of >100 terrestrial vertebrate species across Alaska.
- Humpback Whale-Cruise ship Interactions. Conducting GIS analyses of whale and cruise ship distribution to scientific guidance on minimizing the potential for ship-whale collisions in Southeast Alaska marine waters.
- Subalpine Ecosystem Changes of Southeast Alaska. Conducting a spatio-temporal analysis of long-term subalpine ecosystem changes in relation to climate change variables.
- Landscape Genetics of Alaska's Amphibians. Evaluating the relationship between genetic and geographic estimates of population relatedness, using boreal toads as a case study.
- Conservation and Migration of Aleutian Terns. Collaborating with state, federal, and native agencies to address 2 important conservation needs: a robust statewide survey protocol and identification of global migration patterns
- Distribution and Landscape Genetics of Brown Bears in Glacier Bay National Park. Model current and potential future brown bear distribution and gene flow in relation to coastal ecosystem variables and climate change.
- Landscape Connectivity of Conservation Reserves on the Tongass National Forest. Conducting a GIS-analysis of wildlife connectivity among different conserve reserve configurations to guide forest-ecosystem conservation planning.
- Regional Amphibian Monitoring & Conservation in Southeast Alaska. Collaborating with state and federal agencies to develop a monitoring protocol for evaluating regional trends.

## **UNIVERSITY SERVICE & LEADERSHIP**

- Coordinator of B.S. UAS Geography Program. Helped establish and institutionalize the UAS degrees with the statewide program; and establish an interdisciplinary curriculum across 3 UAS departments. 2009-present.
- Southeast Alaska GIS Library. Coordinate this interagency project with 5 other agencies and the University of Alaska Southeast to provide geospatial data for teaching, training, and outreach purposes. Supervise a full-time Library Coordinator. 2006-present. <http://seakgis.alaska.edu/>.
- Spatial Ecosystem Analysis Lab (SEALAB). Coordinate this southeast node of the Geographic Information Network of Alaska (GINA) to provide GIS support to students, faculty, & the public; and conduct ecosystem-based spatial analysis research. Supervise 2 fulltime employees and several student employees. 2005-present.
- Alaska EPSCoR Phase 3. Represent the University of Alaska Southeast in Alaska EPSCoR, serve on the state-wide Integration team of Alaska EPSCoR, and serve as a Biology component co-PI. 2007-present.
- Alaska EPSCoR Phase 4. 1 Of 7 co-PI's across the UA system leading the proposal development effort; and a co-leader in the research theme of ecosystem services. 2009-present.
- Alaska Coastal Rainforest Center. Co-founder and served on the development committee of the Center at UAS to promote outreach and research pertaining to temperate rainforest ecosystems. Currently provide scientific input and organizational support in its seminal year. 2005-2010.
- UAS Campus Sustainability Initiative. Jumpstarted and coordinated a multi-disciplinary, campus-focused sustainability team to improve and conduct outreach on UAS sustainability, as well as co-led the UAS Spring Forum on Sustainability. 2007-present.
- UAS Undergraduate Research Program. Leading an institutional-development effort to align research with academic planning, establish a path for students, faculty, and administration to achieve excellence in undergraduate research capacity, and stimulate collaborative and interdisciplinary undergraduate research. 2010-present.
- Research Experience for Undergraduates (REU) Program. Mentored 7 undergraduate students in marine, aquatic, and alpine research projects. 2006-2009.
- GIS Certificate Program Coordinator. Developed and will oversee an 18-cr Occupational Endorsement in Applied Geographic Information Systems at UAS. 2009-present.
- UA Faculty Committees: UAS Faculty Senate (Juneau-at-Large), UAS Sustainability Committee (co-Chair), UAS Research Committee, UA Science for Alaska Lecture Series, UA Cyber-infrastructure Committee. 2006-2010.

## **PROFESSIONAL SERVICE**

- Alpine Ecosystem Research Initiative of Alaska (AERIAL). Founded and chair a interagency science working group focusing on understanding biophysical and biodiversity changes in high-latitude montane systems. 2009-present.
- Created and facilitate the monthly Juneau Spatial Analysis Seminar. 2009-present.
- Facilitated 3 day workshop by Dr. Daryl Mackenzie in Species Occurrence and Occupancy Modelling at UAS. 2009.
- President of The Wildlife Society, Northwest Section. 2008-2009.
- Facilitated 4-day workshop by Dr. Oz Garton in Wildlife and Fisheries Survey Design and Analysis at UAS. 2008.
- NSF Proposal Review Panel Member. Arctic Science Division. 2007.
- Chair of Alaska Amphibian Working Group and founding member of Alaska Chapter of the Partners in Amphibian and Reptile Conservation (PARC). 2006-present.

## **CONFERENCE PRESENTATIONS (since 2005)**

- 2010 GIS and geography curriculum at the University of Alaska Southeast. Alaska Survey and Mapping Conference. Anchorage, Alaska.
- 2010 Landscape effects on gene flow and connectivity of a widespread amphibian. Society for Conservation Biology. Edmonton, Alberta. (with D. Tallmon and J. Moore)
- 2010 Data-, research- and institutional-level integration: highlights from Southeast Alaska & UAS. All-Hands Conference of Alaska EPSCoR, Fairbanks, Alaska.
- 2009 Investigation of the effects of vessel-based bear viewing on brown bear behavior in Glacier Bay. Joint meeting of Northwest Section and Alaska Chapter of The Wildlife Society, Fairbanks, Alaska. (w/ student T. Lewis)
- 2009 Evaluating methods to census breeding Aleutian Terns. Joint meeting of Northwest Section and Alaska Chapter of The Wildlife Society, Fairbanks, Alaska. (w/ students N. Catterson and D.T DeRaps; and M.I. Goldstein)
- 2009 Arctic and Aleutian Tern nest differentiation. Joint meeting of Northwest Section and Alaska Chapter of The Wildlife Society, Fairbanks, Alaska. (w/ REU student D.T DeRaps and M.I. Goldstein)
- 2009 The University Alaska Southeast's (UAS) Annual Carbon Footprint. Alaska Geological Society, Fairbanks,

- Alaska. (with student S. Ashley and C. Connor and R. Wolk)
- 2008 Evaluating the effective loss of wildlife habitat from vehicular traffic in a subsistence community. American Association for the Advancement of Science Conference, Fairbanks, Alaska. (with student C. Shanley)
- 2008 Interdisciplinary research integration at the University of Alaska Southeast. All-Hands Conference of Alaska EPSCoR, Fairbanks, Alaska.
- 2008 Status and conservation of Alaska's amphibians. Joint meeting of NW-PARC, Northwest Society for Vertebrate Biology, and the Wildlife Society, Missoula, Montana.
- 2007 Boreal toads in the temperate north: the last stand? Landscape-level monitoring in Southeast Alaska. Canadian Amphibian and Reptile Network.
- 2007 *Bufo boreas* habitat preference at two spatial scales: the dual significance of microhabitat characteristics and landscape connectivity. Alaska chapter of the Wildlife Society, Juneau, Alaska. (with students Michel Ohmer and Maria Santiago)
- 2007 Evaluation of predictive bioclimatic distribution models for boreal toads in Southeast Alaska. Alaska chapter of the Wildlife Society, Juneau, Alaska. (with student Logan Berner)
- 2007 Estimating home range size and movement characteristics of northern flying squirrels in fragmented landscapes. Alaska chapter of the Wildlife Society, Juneau, Alaska. (with student Colin Shanley)
- 2007 Distribution and resilience of boreal toads in Southeast Alaska landscapes. Alaska Chapter of the Wildlife Society, Juneau, Alaska.
- 2007 Functional landscape connectivity of old-growth reserves in the Tongass. International Association of Landscape Ecology. Tuscon, Arizona.
- 2007 *Bufo boreas* habitat preference at two spatial scales: the dual significance of microhabitat characteristics and landscape connectivity. International Association of Landscape Ecology. Tuscon, Arizona. (with students Michel Ohmer and Maria Santiago)
- 2007 Do red squirrels compete with northern flying squirrels in Alaska. American Society of Mammalogists, Arcata, California (with co-PI Winston Smith)
- 2006 Landscape-level science and conservation in the Tongass. Special Symposium at The Wildlife Society. Anchorage, Alaska
- 2006 Functional landscape connectivity of old-growth reserves in the Tongass. The Wildlife Society. Anchorage, Alaska.
- 2006 The effects of off-highway vehicle (OHV) routes on moose occurrence and habitat use. The Wildlife Society. Anchorage, Alaska.
- 2005 Assessment of western toads in Glacier Bay NP, Glacier Bay Science Symposium. Juneau, Alaska.
- 2005 Models for large-scale monitoring of amphibian distribution in Southeast Alaska, ARMI Workshop, Juneau, Alaska.
- 2005 Landscape connectivity of old-growth reserves in the Tongass. Society for Conservation Biology, New York.

#### **WORKSHOPS ATTENDED**

- Alaska Science Communications Workshop, Wilberforce Foundation, Juneau. 2009.
- Species Occurrence and Occupancy Modelling, University of Alaska Southeast. 2009.
- Wildlife and Fisheries Survey Design and Analysis, University of Alaska Southeast. 2008.
- Agent Based Models and the New Paradigm of Uncertainty, University of Alaska Anchorage. 2008.
- NSF Proposal Writing Workshop, University of Alaska Fairbanks. 2007.
- Cyberinfrastructure Workshop, University of Hawaii. 2007.

#### **UNDERGRADUATE STUDENTS MENTORED:**

Logan Berner, Peter Flynn, Edwin Knuth, Nick Korzen, Ryan Arment, Jackie Ebert, Maria Santiago, Michel Ohmer, Brett Addis, Katherine Sever, Louis Hooke, Erica Kaufman, Melissa Woodgate, Stephanie Ashley, and Nate Catterson

#### **GRADUATE STUDENTS**

- Colin Shanley, M.S. UAF Interdisciplinary Graduate Education and Research Training (IGERT) Program. 2006-2008.
- Tania Lewis, M.S. Candidate, UAF Biology and Wildlife. 2008-present.
- Nate Catterson, M.S. Candidate, UAF Biology and Wildlife. 2009-present.

**POST-DOCTORAL STUDENTS**

Jennifer Moore, Alaska EPSCoR Fellow. 2009-present.

**PROFESSIONAL ASSOCIATIONS**

Northwest Section of the Wildlife Society (President); International Association of Landscape Ecology, Society for Conservation Biology, Society for Conservation GIS, Ecological Society of America, The Wildlife Society, and American Society of Mammalogists; Alaska Amphibian Working Group (Chair)

**PROFESSIONAL EDITORIAL ACTIVITIES**

Landscape Ecology, Conservation Biology, Ecological Applications, Biological Conservation, Animal Conservation, Journal of Mammalogy, Journal of Wildlife Management, Oecologia, Canadian Journal of Zoology, National Science Foundation, National Geographic, USDA Competitive Grants, and Earthwatch Foundation