

## Curriculum Vitae

### **Keith Lombardo**

Department of Geography & Regional Development  
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### **Education**

University of Arizona, Tucson, AZ  
*M.A. Geography, May 2004*

University of Connecticut, Storrs, CT  
*B.S. Renewable Natural Resources, May 1997*

### **Interests & Background**

My interests and experiences lie within the fields of ecology and conservation biology, with specific interest in management of native ecosystems and ecosystem processes.

### **Research Experience**

*Graduate Intern, Sonoran Institute.*

Tucson, AZ. May 2004 – present. (Supervisors: Dr. Andy Hubbard & Nina Chambers)

- Assist in writing and developing sections (focusing on natural disturbance regimes and ecological processes) of a comprehensive ecological monitoring and adaptive management plan for 11 national park units throughout the southwest.
- Research and prepare literature reviews for various monitoring projects to assist in identifying monitoring parameters and protocols.
- Collect field data for numerous ecological monitoring projects (primarily vegetation, soils, climate, and recreation projects).
- Manipulate, analyze, and interpret data to determine trends and status of ecological “vital signs”.
- Present research findings and general information to public and private partners at meetings and conferences.

*Independent Contractor, The Nature Conservancy.*

Tucson, AZ. July 2003 – January 2004. (Supervisor: Dr. Dave Gori)

- Prepared a biological evaluation regarding effects of wild and prescribed fire on threatened and endangered species of southeastern Arizona.
- Provided general assistance in the development Greater Huachuca Mountains Fire Plan, which provides guidelines for a cross boundary fire management plan that embraces the needs of both public and private stakeholders.

*Research Assistant*, Dept. of Geography, University of Arizona.

Tucson, AZ. May 2001 – May 2004. (Supervisor: Dr. John Kupfer)

- Developed sampling procedures that effectively monitor changes in status and trends of native and non-native plant populations.
- Collected vegetation and soil data at the Audubon Research Ranch in effort to assess the effects of wildfire and non-native species on native ecosystems.
- Created and maintained a database for field collected data.
- Manipulated, analyzed, and interrupted ecological data.
- Prepared manuscripts for publication in peer reviewed journals.
- Presented research findings at professional conferences.

*Independent Contractor*, The Nature Conservancy.

Tucson, AZ. August 1999 – October 1999. (Supervisor: Dr. Dave Gori)

- Collected vegetation and aquatic data at the Muleshoe Preserve in effort to assess the effects of wildfire and non-native species on native ecosystems.
- Assisted in manipulation and entry of field-collected data.

### **Teaching Experience**

*Teaching Assistant*, Dept. of Geography, University of Arizona.

Tucson, AZ. 2004 spring semester. (Supervisor: Dr. John Kupfer)

- Assisted in classroom and field exercises that introduce undergraduate students to scientific field measurement techniques and scientific writing.

### **Professional Experience**

*Americorps Program Volunteer Coordinator*, The Volunteer Center.

Tucson, AZ. January 2000 – January 2001. (Supervisor: Catherine Land)

- Supervised Americorps volunteers.
- Provided logistic and administrative support to The Volunteer Center.
- Participated in grant writing and fundraising.

*Hydrologist*, Handex Environmental.

Monroe, CT. July 1998 – July 1999. (Supervisor: Tim Foster)

- Collected water and soil samples to assess petro-chemical contamination of groundwater.
- Prepared scientific reports using field data.

### **References**

*Available upon request*

### **Publications**

**Keith Lombardo** and John A. Kupfer. 2005. Landscape Transformations: Changes in Biodiversity and Ecosystem Functioning following the Ryan Fire of 2002. *Proceedings of Madrean Archipelago Conference. (In Press)*

**Keith Lombardo.** 2005. A biological evaluation of the effects of fire on threatened and endangered species of southeastern Arizona. In *The Greater Huachuca Mountains Fire Management Plan. (In Preparation)*

**Keith Lombardo** and John A. Kupfer. 2005. Short-term interactive effects of non-native species and wildfire on grassland structure, composition, diversity and soil characteristics. *Journal of Vegetation Science. (In Review)*

John A. Kupfer and **Keith Lombardo.** Short-term patterns of post-fire composition change and recovery on semi-desert grasslands. *Plant Ecology (In Preparation)*

Erika L. Geiger, Theresa Mau-Crimmins, Erik Murdock, **Keith Lombardo**, Christopher Sharp, Eric Stitt, and Guy R. McPherson. 2001. Garden Canyon: An Evaluation of Sites Representing Semi-Desert grassland, Madrean woodland, Madrean Conifer Forest in Mojave-Sonoran Natural Region for the eligibility as National Natural Landmarks. *(In Press)*

Theresa Mau-Crimmins, Christopher Sharp, **Keith Lombardo**, Erika L. Geiger and Guy R. McPherson. 2002. Audubon Research Ranch: An Evaluation of Sites Representing Semi-Desert grassland, Madrean woodland, Madrean Conifer Forest in Mojave-Sonoran Natural Region for the eligibility as National Natural Landmarks. 2002 *(In Press)*

Eric Stitt, Christopher Sharp, **Keith Lombardo**, Erik Murdock, Theresa Mau-Crimmins, Erika Geiger, and Guy R. McPherson. 2002. Huachuca Peaks: An Evaluation of Sites Representing Semi-Desert grassland, Madrean woodland, Madrean Conifer Forest in Mojave-Sonoran Natural Region for the eligibility as National Natural Landmarks. *(In Press)*

### **Presentations**

**Keith Lombardo** and John A. Kupfer. Composition Change and Recovery on Native and Non-Native Grasslands Following the 2002 Ryan Fire. *American Association of Geographers Annual Meeting*, Denver, CO, April 2005.

**Keith Lombardo** and John A. Kupfer. Landscape Transformations: Changes in Biodiversity and Ecosystem Functioning following the Ryan Fire of 2002. *International Association of Landscape Ecology 2004 Annual Symposium*, Las Vegas, NV April 2004.

**Keith Lombardo** and John A. Kupfer. Landscape Transformations: Changes in Biodiversity and Ecosystem Functioning following the Ryan Fire of 2002. *Biodiversity and Management of the Madrean Archipelago: Connecting Mountain Islands and Desert Seas*, Tucson, AZ. May 2004.

**Keith Lombardo** and John A. Kupfer. Alteration of Biodiversity and Ecosystem Processes by *Eragrostis Lehmanniana* and *Eragrostis Curvula* in southeastern Arizona. *American Association of Geographers Annual Meeting*, New Orleans, LA, March 2003.