

CURRICULUM VITAE
Andrew J. Gregory
Division of Biological Sciences
Kansas State University
Manhattan, Kansas 66506
(785) 532-6413 grego1aj@ksu.edu
(989) 400-3492 ajgregory1d@yahoo.com

EDUCATION

- B.S. Winona State University 2003.
Ecology and Biochemistry
- M.S. Central Michigan University, Conservation Biology
- PhD. Kansas State University, anticipated graduation date May 2011

RESEARCH:

PhD. Research, Kansas State University

Influence of wind power development on greater prairie chicken genetics and habitat use in Kansas

Temporal variance in allele frequencies of greater prairie chickens

Parentage on greater prairie chicken leks: How much of an advantage does a dominant male have?

Masters Student, Central Michigan University

Predator Prey interactions between wolves and elk in Yellowstone National Park

Influence of vegetation, geomorphologic habitat attributes, and gender on elk space utilization in Yellowstone

Assisted in carnivore track survey research in the northern lower peninsula of Michigan

Assisted in on-going research using guarding dogs to reduce wolf depredations on sheep and cattle

Assisted in on-going research looking at genetics, dispersal, home-range, and habitat use of a re-introduced pine marten population in the lower-peninsula of Michigan

Bachelors Student Research, Winona State University

Alpine lake ecology and food web dynamics

Nutrient cycling in alpine lakes

Bachelors Student Course Project, Winona State University

Food web dynamics of large river flood plain lakes

PUBLICATIONS:

Peer reviewed

Gregory A.J., M.A. Lung, and B.J. Swanson. In review. Influence of sample age and the habitat type collected in, on the success rate of PCR of fecal DNA. Molecular Ecology Notes.

Gregory A.J., M.A. Lung, T.M. Gehring, and B.J. Swanson. In review. Spatial Scale and Gender Matter: The Influence of Wolves on Elk Use of Space in Yellowstone National Park. Journal of Mammalogy

Non-peer reviewed

Reclamation and land management plan for Veits Woods, Central Michigan University 2004.

Lake Winona Compendium 2002

Talks and Presentations

- The Use of Statistics and Population Sampling in Wildlife Research. Invited Talk
Topeka Public Schools, Topeka Kansas, Dec. 22, 2006.
- Potential Genetic Consequences of Wind-Power development on Greater Prairie
Chickens. NWCC, Wildlife Working Group, 4th Biennial Conference, Oct. 28,
2006, San Antonio, Texas.
- Men are From Mars Woman are From Venus: Gender differences in habitat selection of
Rocky Mountain Elk post wolf re-introduction. The Wildlife Society 13th
Annual Conference, Anchorage Alaska, Sept. 23-27, 2006.
- How Elk Use Habitat to Reduce Wolf Predation Pressure. Department Seminar, Central
Michigan University. Sept. 22, 2005.

WORK EXPERIENCE:

- | | |
|--|--------------|
| Kansas State University PhD. Student | 2006-Present |
| Wolf Ridge ELC | |
| Summer Naturalist and Curriculum Development Specialist | Summer 2006 |
| Temporary Staff Western State College of Colorado | |
| Assisted instruction for "Applied Field Methods in Biology" | Summer 2006 |
| Field Technician Northern Michigan Marten Project | |
| Trapped pine marten, fitted with VHF collars, and collected DNA | Winter 2006 |
| Wal-Mart Associate | |
| Unloaded trucks and stocked shelves | Summer 2005 |
| MS Student Central Michigan University | 2003-2006 |
| In Home Personal Care Provider Keith Harris | Summer 2003 |
| CNA/NA and EMT Watkins Nursing Home | |
| Basic Care provider on psychiatric ward of long term care facility | 2000-2001 |
| Winona State University Security Supervisor | |
| Payroll, training, and equipment maintenance for WSU Security | 1999-2003 |
| US Navy Special Operations Trainee | |
| Explosives, Tactics, and Weapons Specialist | 1998-1999 |
| Cold Storage Freezer Ware House | |
| Night-time Doc Supervisor and lead fork lift operator | 1997-1999 |

Teaching Assistantships

- | | |
|---|--------------|
| Principals of Biology (POB 198) , Kansas State University | 2006-present |
| Introductory Biology Lab (Bio 101) , Central Michigan University | 2003-2006 |
| Quantitative Biology Lab (Bio 105) , Central Michigan University | 2004-2006 |
| Undergraduate Research (Bio 403) , Central Michigan University | 2004-2005 |

AWARDS/GRANTS

- | | |
|--|-------------|
| Safari Club International Student Research Scholarship (\$1,000) | 2005 |
| Graduate Student Research Grant, CMU (\$650) | 2004 & 2005 |
| Tuition Fee Waiver Scholarship, CMU (\$9,000) | 2003-2005 |
| Summer Research Assistantship, CMU (\$3,000) | 2004 & 2005 |
| Undergraduate Research Grant, WSU (\$850) | 2002 |
| Deans List Honor Roll, WSU | 1998, 2003 |

PROFESSIONAL MEMBERSHIPS

American Behavioral Society

American Society of Mammalogy

The Wildlife Society (Kansas State Chapter and National Chapter)

Biology Graduate Student Association

Computer Programs and Technology Capabilities/Skills

- Microsoft Word
- Microsoft X-Cell
- Access
- SPSS
- SAS
- GENEPOP
- Doh
- Pathfinder Office
- ARC GIS
- ARC Map
- ARC View
- Track identification
- Small engine repair
- Small mammal trapping
- Survival Training
- Bomb detection
- Program Mark
- ENVI
- ABI automated sequencer
- Powerpoint
- Genescan
- Genotyper & GeneMarker
- Eppendorf Mastercycler Gradient
- Trimble Geo-Explorer GPS and Beacon on Belt
- GPS
- Topographical map and compass orienteering
- RULE
- Populous
- Stella
- Firearm use and maintenance
- General farm equipment use and maintenance
- Radio telemetry
- Basic carpentry, plumbing, and electrical
- First aid CPR/ lapsed EMT/first responder certification
- MatLab
- ERDOS IMAGINE

Research Interest

Habitat Fragmentation:

How fragmentation affects species viability and habitat/resource partitioning on a landscape (Both demographic and genetic consequences of fragmentation)

The effects of habitat fragmentation on dispersal, and are corridors effective at linking fragmented populations

Predator prey dynamics:

Applied game Theory models on how predation influences habitat use and resource availability of prey species on a landscape level.

Environmental Education:

How can scientists effectively disseminate knowledge of the world to non-scientists in such a manner as to inspire educated and constructive conservation actions? What is the nature of human thought and learning, and how can a better understanding of those processes be used for more beneficial teaching?

Personal Interests

Martial Arts, Weight Training, Running ,Eastern Philosophy, History of Christianity, Dance, Harry Potter, Climbing, Hiking, Camping, Yellowstone National Park, and Hunting.

References:

Dr. Mark Lung
Western State College of Colorado
(970) 943-2200
email: mlung@western.edu

Dr. Brad Swanson
Central Michigan University
(989) 774-3377
email: brad.swanson@cmich.edu

Dr. Tom Gehring
Central Michigan University
(989) 774-2484
email: tom.gehring@cmich.edu