ROCKY MOUNTAIN CAT CONSERVANCY

Photo credit: Perry Conway
CONDUCTING MOUNTAIN LION RESEARCH

A CITIZEN SCIENCE PROJECT

FRONT RANGE COMMUNITY COLLEGE
WHY STUDY MOUNTAIN LIONS?

Photo credit: Perry Conway
COMMUNITIES, CAMERAS, AND CONSERVATION (CCC) OBJECTIVES

• Engage students and community in research for conservation

• Develop curriculum for schools that includes hands-on learning

• Establish long-term monitoring stations of motion-sensor cameras to estimate species populations, trends, etc.

• Create international exchange program between schools worldwide
CCC - FORT COLLINS

- Front Range Community College
- CSU Wildlife Biology students
- Estes Park High School
- Rocky Mountain High School
- City of Fort Collins - Master Naturalists
CAPTURING AND MONITORING MOUNTAIN LIONS

- Invasive Techniques
- Non-Invasive Techniques
- Inventory and Monitoring
INVASIVE TECHNIQUES

- Telemetry (VHF, satellite, GPS)
- Snares
- ROMO & outside Park
- Hounds
- Box traps
NON-INVASIVE TECHNIQUES

- Camera trap
- Tracks and scat
- Hair snags
- Lures
- Modelling
- ROMO & outside Park
## FINAL DATA COLLECTION

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SUMMARY

Locations:
• Horsetooth Mountain Park
• Lory State Park
• Bobcat Ridge Natural Area
• Rocky Mountain National Park
Classroom and field component
- High school students
- Four sections wildlife biology
- Four sections forestry – habitat management

Field component
- Two sections field research techniques

Advanced Scientific research
- Four sections of honors classes

Presentation
- College or alternative high school
SCIENCE CONCEPTS

- Ecology
- Predator/prey relationships
- Field research techniques
- Data entry and analysis
- Wildlife management
- Habitat Management
- Scientific writing
- Public Land management
- Human dimension of natural resources
RMCC PROMOTES COMMUNITY STEWARDSHIP THROUGH EDUCATION