



## ECOLOGY PROJECT INTERNATIONAL

# Yellowstone Educator Course : Wildlife Sampling Techniques

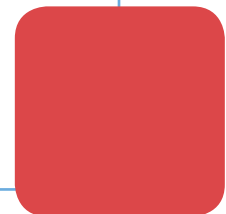
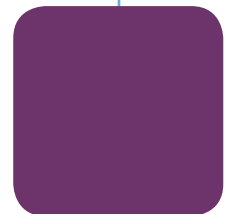
### h i g h l i g h t s

- Study remote wildlife sampling techniques
- Camp under the Big Sky
- Explore the amazing Yellowstone ecosystem



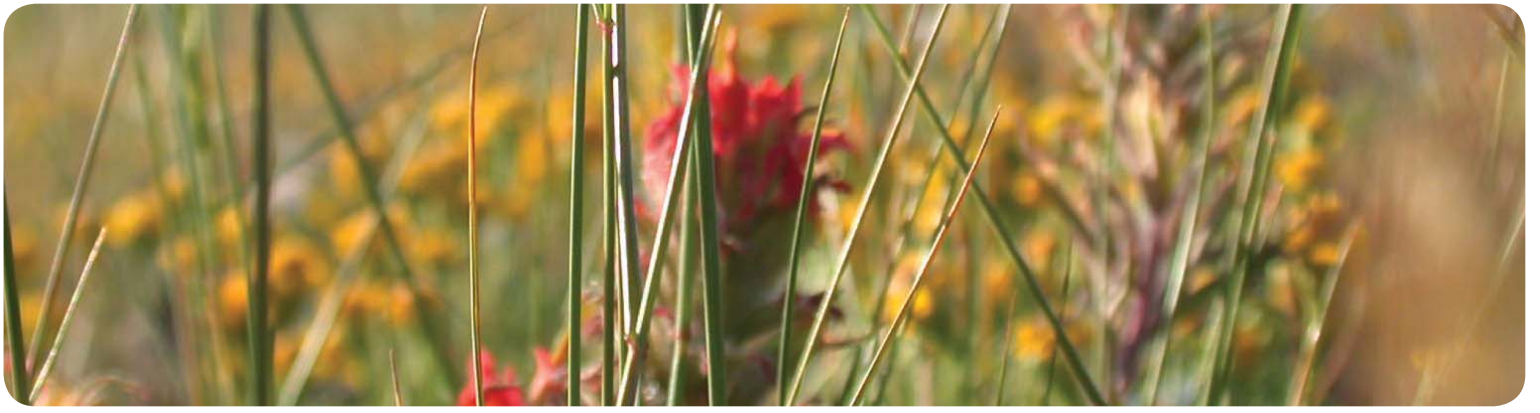
Join other educators and professional wildlife biologists in a grizzly bear research project in the heart of the Greater Yellowstone Ecosystem while studying remote wildlife sampling techniques.

Alongside U.S. Forest Service wildlife professionals, you will continue monitoring work begun in 1990 on the Gallatin National Forest on the northern border of Yellowstone National Park. In an effort to better understand the complex dynamics between bear use of cover, avoidance or use of roaded landscapes, and use of widely distributed food resources, you will monitor bear sign (including scat, tracks, daybeds, and evidence of foraging) on transects which will have just opened to snow-free travel. On these transects, you will also identify the location of bear rub objects, where future hair snare stations can be established. During the course, you will set up remote cameras at hair snare stations for use in the 2010 season. Hair snares themselves will be cleaned and prepared for the season's use. Images from remote cameras



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established at these stations will be used along with DNA analysis from collected hair samples to determine age class and gender cohorts of grizzlies living in the region.

In addition to participating in an ongoing field research project, you will also learn wildlife sampling techniques, discuss how science informs wildlife management, debate challenges and solutions to wildlife conservation, and discover ways to incorporate these themes into your high school science classrooms. During the course you will also be watching for wildlife, learning natural history, hiking through beautiful wild country, camping in tents, and cooking outdoors.

Thirty years after being listed as a threatened species, the Yellowstone grizzly population has been removed from the protections of the Endangered Species Act. Intensive monitoring of the population and its habitat continues to provide wildlife managers with the best available scientific data to inform complex management decisions. Emerging technology for remote sampling of wildlife populations expands options for study of the great bear beyond traditional mark/recapture methods. In this unique course designed for high school science educators, you will both participate in a decade-long field research effort and learn more about the range of techniques wildlife biologists are using to study their subjects.



## Details :

- **Accommodations:** 3 nights in tents under the big sky
- **Course dates:** July 12-15, 2010
- **Price:** \$395 includes all food, lodging, transportation on course and 30 Montana OPI credits
- **Group size:** Maximum 12
- **To apply:** Contact Andrea Stephens: [andrea@ecologyproject.org](mailto:andrea@ecologyproject.org)

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