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## CREATIVE SOLUTIONS

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The Hornocker Wildlife Institute's mission continues to evolve and expand. We remain a lean, efficient organization dedicated to the ideal of conservation, but also flexible and resourceful to accommodate the changing world. We continue to study the inter-relationships between habitat and animal; humans and nature. And we are optimistic.

One of the strengths of the Institute is the support it receives from organizations and individuals. Those gifts have led to many of the discoveries outlined in these pages. And because our Institute is small, your gift goes directly to addressing the tremendous challenges facing all of us in wildlife conservation.



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# HORNOCKER WILDLIFE INSTITUTE, INC.

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## LISTENING TO THE LANDSCAPES OF HEART AND SCIENCE

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“Land ethic . . . reflects the existence of an ecological conscience, and this in turn reflects a conviction of individual responsibility for the health of the land. Health is the capacity of the land for self-renewal. Conservation is our effort to understand and preserve this capacity.”

—Aldo Leopold  
*A Sand County Almanac*

For more than a decade the Hornocker Wildlife Institute, Inc., with its home base at the University of Idaho in Moscow, has followed the wisdom of the great conservationist Leopold by using hands-on field research to understand our place and responsibility in the natural world's fragile ecological structures.

We realize the most important bridge we will ever build is between our own beliefs and the landscape of flora and fauna. One of our goals is to preserve the health of both worlds; to maintain respect and balance; and to work toward sustaining a balance between man and nature.

Founded by Dr. Maurice Hornocker, our Institute conducts long-term research on threatened species and sensitive ecological systems. Through observation and exploration we provide a framework for satisfying a universal curiosity about the nature of wildlife and the effects of humans on the natural environment.

The Hornocker Wildlife Institute is a world leader in carnivore research and we continue to work on these important indicators of ecological health. We also are broadening our focus through ongoing studies of whooping cranes and trumpeter swans, steelhead and salmon, wilderness vegetation succession, and wildlife populations in Latin America. But, in addition, we continue to press ahead in integrating good science and broad-based ecosystem approaches with cultural and economic factors.

By training and developing superior post-graduate and graduate scientists, our ultimate goal is to add to the scientific knowledge base and assist agencies charged with managing wilderness and wild lands. We are also a private, non-profit, service-based organization dedicated to educating the general public in an efficient manner. Our work is funded by grants, contracts, and contributions.

We believe there are as many solutions as there are challenges facing wildlife conservation, and we are committed to finding those solutions that benefit both wildlife and its habitat.

Hornocker Wildlife Institute, Inc.

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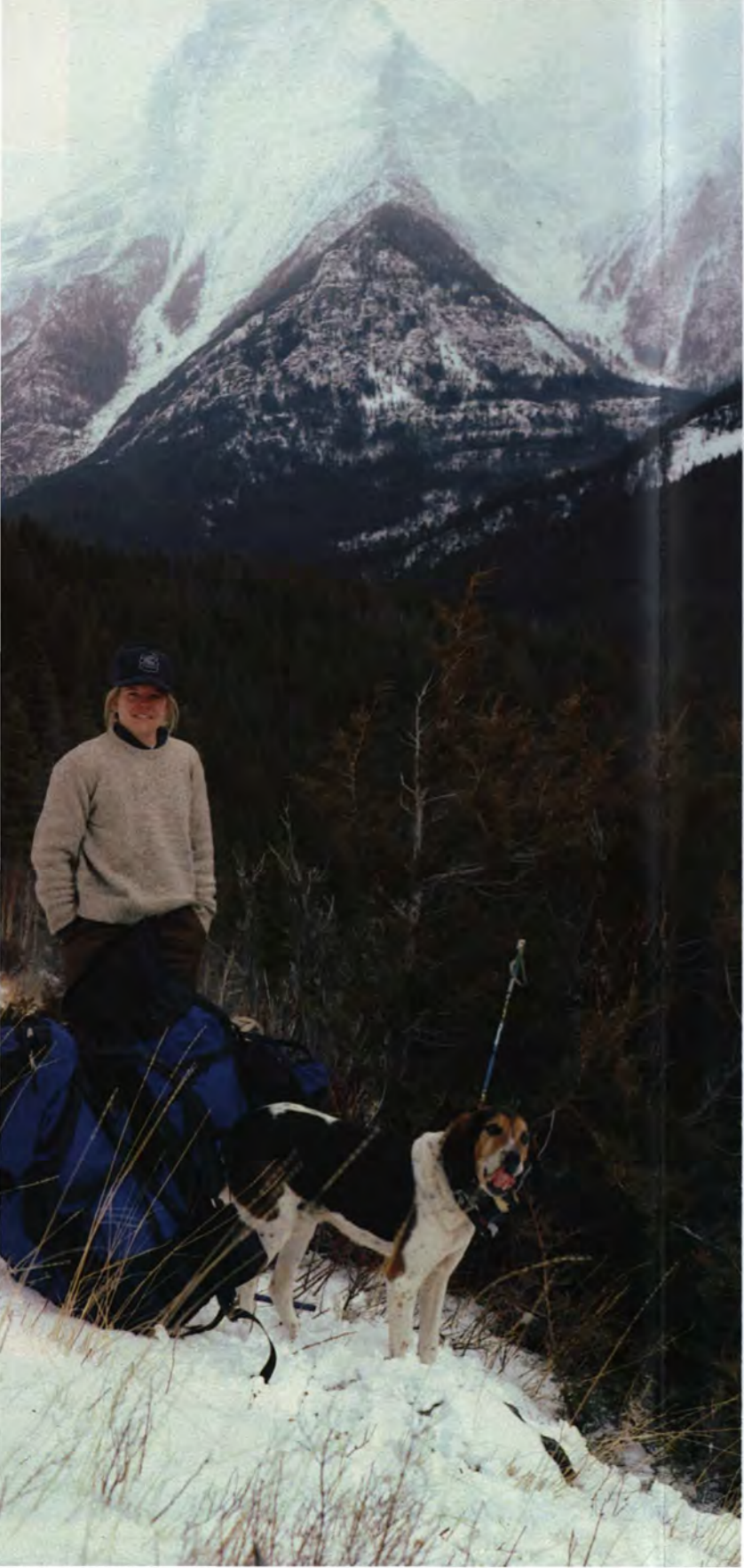
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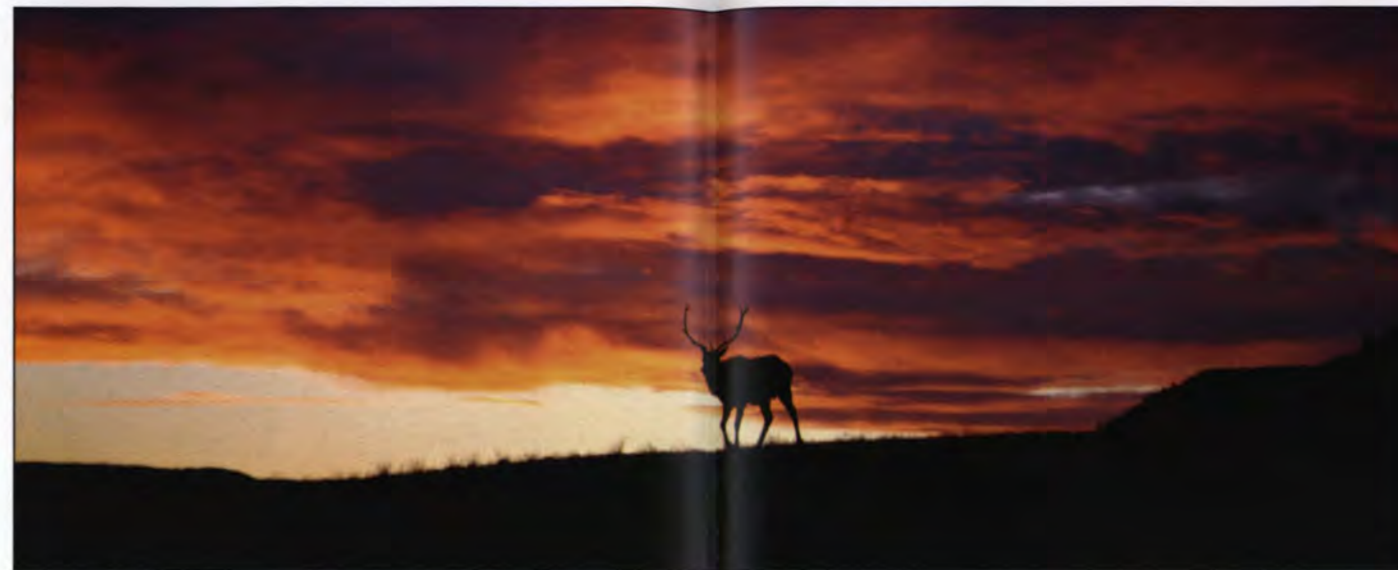


“Wildlife, wherever it occurs in the world, acts as a barometer of environmental health. We at the Hornocker Institute pledge to continue exploring the interwoven complexity of the natural world, and how this knowledge can aid in the conservation of our precious wildlife, as well as we humans.”

—Director Maurice Hornocker

Our research focuses on scholarly, creative efforts designed to make lasting contributions to our knowledge of the natural world. Because we are well positioned both nationally and internationally, we understand the urgency and status of habitat and ecosystem conservation. We think good science ultimately leads to good conservation.

Conservation measures must be based on a strong foundation of objective, scientifically-sound information. They must also be measured with heart. Institute scientists have the appropriate combination of science and passion. Our results often set the precedent in the field of wildlife conservation.



## AN UNMATCHED TRACK RECORD OF CONSERVATION

### OUR COMPLETED RESEARCH INCLUDES:

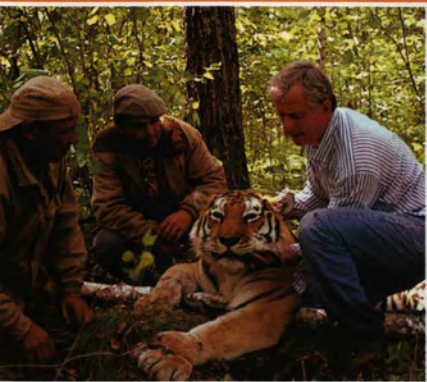
- Ecology of lynx in Washington state
- Population dynamics of the bobcat within a wilderness ecosystem
- Competition among mountain lions, bobcats and coyotes in Idaho's Frank Church River of No Return Wilderness Area
- Ecology and conservation of jaguars in Brazil
- Self regulation of a mountain lion population in the Frank Church River of No Return Wilderness Area
- Survey of South China tigers
- Mountain lion translocation in New Mexico
- Ecology of leopards in southern Africa
- Ecology and conservation of the Ocellated turkey in Guatemala

## THE WILDERNESS LABORATORY

The perfect laboratory for species studies is a laboratory without walls: a wilderness area. Our philosophy is based on the principal that pristine settings offer the first step in wildlife research. By studying the health of the animals within an area, scientists can assess the health of a wilderness landscape.

Much of Dr. Hornocker's breakthrough mountain lion research in the 1960s and the 1970s was conducted in the heart of the Frank Church River of No Return Wilderness Area in central Idaho.

The wilderness component of the Hornocker Wildlife Institute is Running Creek Ranch in the heart of Idaho's Selway-Bitterroot Wilderness, near the center of the largest contiguous block of wilderness in the United States. Accessible only by trail and air, the ranch was gifted to the Institute for research and educational purposes. Running Creek Ranch gives the Institute another strong advantage in the study of pristine wilderness ecosystems, providing a research base for wilderness studies in the northern Rocky Mountains.



# HORNOCKER WILDLIFE INSTITUTE

## CREATING A COMMUNITY OF ECOLOGISTS

Because the Institute is small and efficient, we are able to provide a stimulating atmosphere and training ground for an emerging community of ecologists and scholars. And because our lean operating structure keeps bureaucracy to a minimum, young scientists can focus all their thoughts, energies, and foresight to create new knowledge to solve problems as they occur, not years later when it is too late. Within that new knowledge is the belief that education leads to involvement and ultimately to solutions.

Consider the Hornocker Wildlife Institute as the ultimate creative scientific atmosphere of serious contemplation followed by well thought-out strategies of action. Scientific risk taking is welcome here, as are free expression and attempts at new discoveries.

We consistently attract bright, dedicated young scientists who truly want to make a difference in the conservation of ecosystems and the wildlife dependent upon those systems. They know we offer an unimpeded framework in which they can do their very best work while being nurtured by experienced senior scientists.

## PRESERVING THE SIBERIAN TIGER

“Once they roamed from Russia into China and Korea, but poaching and habitat loss have reduced Siberian tigers to fewer than 400 in the wild. Perhaps 20 dwell within the 1,314-square-mile Sikhote-Alin Biosphere Reserve.”

—Dr. Howard Quigley  
President, Hornocker Wildlife Institute  
Co-Director, Siberian Tiger Project™  
*National Geographic*, July 1993

In the true spirit of international cooperation, we have joined Russian biologists in a multi-year study of the Siberian tiger. Habitat loss for the tiger is estimated at 10 percent a year, making this research project a critical focal point of the Institute. This is the first ever such collaboration between Russian and American biologists.

Tigers are captured and fitted with radio collars and released back into the wild in the Sikhote-Alin Biosphere Reserve, as well as another key area, 300 miles south, near the border with China in the Russian Far East. We are currently expanding our international efforts to include an examination of interactions between bears, leopards, and tigers; helping to add an educational component to our efforts, integrate sustainable resource use; and curb wildlife poaching in Russia.

The Institute's tiger research has been the topic of numerous magazine articles and newscasts, including a *National Geographic* Special and “The Today Show.”

We remain optimistic about the future of Siberian tigers and are fully committed to developing an effective conservation plan that integrates scientific knowledge about the cats with cultural and economic realities of the Russian Far East.

## LIVING IN BALANCE WITH MOUNTAIN LIONS

“The notion that the mountain lion is a wanton killer of big game is an exaggeration, says Dr. Maurice Hornocker. The scientist believed with proper management, Idaho could have healthy populations of deer, elk and mountain lions. Time has proven him right.”

—*National Wildlife Magazine*

The spirit of the ten-year ground-breaking mountain lion research Dr. Hornocker conducted in the 1960's continues within the Institute today in the San Andres Mountains of New Mexico. More than 200 lions have been captured and marked by our research team. As with the Idaho study, we have found that with proper conservation management techniques the balance between predator and prey can be preserved. Mountain lion populations, when not hunted, can self-regulate themselves. We have also discovered that mule deer—the lion's main prey—can maintain healthy populations in accord with the lion.

Thanks to the work of the Hornocker Wildlife Institute, the mountain lion is no longer unprotected and undermanaged.

## WRITING THE NATURAL WORLD

“Hawks are beautiful objects when on the wing. I have often stood to view a hawk in the sky trembling its wings & then hanging quite still for a moment as if it was as light as a shadow & could find like the clouds a resting place upon the blue sky.”

—*The Natural History Prose Writings of John Clare*, 1825

In the tradition of John Muir, Rachel Carson, and Aldo Leopold, our wildlife scientists are proud of the work they conduct and enjoy writing about it in the most widely-read magazines and journals in the world. Our scientists feel a special obligation to communicate their research activities and results to the general public. We have written and photographed our studies for *Natural History*, *Animal Kingdom*, *National Geographic*, *International Wildlife*, and many others. In addition, our scientists have written books and have been the subjects of television documentaries and short film presentations.

### RESPONSE CARD

To support our work at the Hornocker Wildlife Institute, and for more information about specific projects, please fill out and mail this response card to the Hornocker Wildlife Institute, University of Idaho, P.O. Box 3246, Moscow, Idaho 83844-1908.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

- I am interested in learning more about the work of the Hornocker Wildlife Institute. Please send me further information about:
- The Institute
  - Institute projects

- I am interested in supporting activities of the Hornocker Wildlife Institute. Enclosed please find my contribution of \$ \_\_\_\_\_, which I understand is tax deductible.

Direct donations, please visit our home page: <http://www.uidaho.edu/rsrch/hwi>.

