



HAUB SCHOOL OF ENVIRONMENT
AND NATURAL RESOURCES

2015 YEAR IN REVIEW



Welcoming Dr. Doug Wachob

A growing Haub School faculty

New academic programs offerings

Collaborative solutions update



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Photo: Melanie Matthews

LETTER FROM THE DIRECTOR

Dear friends of the Haub School,

I came to lead the Haub School of Environment and Natural Resources at the University of Wyoming seven years ago. I'm a scientist—I study the chemistry of ecosystems—and an academic. What really motivates me is studying environmental changes, teaching students to think critically about tough natural resources issues, and providing science that influences policy and management. Wyoming is ground zero for many important natural resource questions. It is the perfect outdoor laboratory, and one of the best places to significantly study and shape natural resource management.

That's why the work we do at the Haub School is so critical. We give students opportunities they can't get anywhere else. Our students study pressing, unsolved natural resource questions in the classroom, around Wyoming, and across the globe. They partner with classmates from many disciplines—business and law, biology and geography, creative writing and history, and many other fields—to bring the depth of each of their individual fields to broad, complex questions and challenges that simply cannot be solved by any one discipline in isolation. And they go on to become part of a generation of critical thinkers, creative leaders, and collaborative decision makers.

Read on to learn more about how we are preparing these future world-changers, giving citizens the tools and information they need to make wise decisions, and supporting collaborative decision making processes to build sound, lasting, solutions for environment and natural resource challenges.

Then pass this newsletter along to another reader and get involved. Visit us to meet our students and faculty. Subscribe to our natural resource science and management magazine, *Western Confluence*. Make a contribution to support our programs. Sponsor a student internship. Or simply get in touch to learn more about what we do. Thank you for your interest in the Haub School, and especially for your support for a future founded on robust, intact, and productive natural resources.

Sincerely,



Indy Burke

Director, Haub School of Environment and Natural Resources





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Melanie Matthews, Academic Advisor, Academic Programs

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Emilene Ostlind, Editor and Communications Coordinator

Dr. Steve Smutko, Spicer Chair of Collaborative Practice, Ruckelshaus Institute

Temple Stoellinger, JD, Assistant Professor, Co-Director, Center for Law and Energy Resources in the Rockies

Dr. Doug Wachob, Director, Academic Programs



Photo: Melanie Matthews

Haub School students hike and conduct field science in Grand Teton National Park as part of the 2015 Freshmen Field Week.

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LEARN LIVE FOCUS GROW APPLY

Meet star students at haubschool.org



Photo: Melanie Matthews



WHO WE ARE

The Haub School advances the understanding and resolution of complex environment and natural resource challenges.

In our interdisciplinary majors and minors, Haub School students collaborate with classmates from across the university, each of whom brings depth in one of more than 45 primary fields of study. We offer dozens of courses across UW to help students understand and think critically about environmental issues in many fields. We prepare students to be critical thinkers, leaders, and problem solvers who will build sound, inclusive solutions to the most difficult natural resource challenges.

Our Ruckelshaus Institute continues this work beyond the borders of the university, reaching communities all across Wyoming and the Rockies. We bridge information generated at UW to the people on the ground who can put it to use. We publish white papers and reports

to share relevant natural resource science and understanding. We also host conferences and forums to give citizens and natural resource managers the best, most cutting-edge natural resource tools and information. We provide facilitation services to help task forces and community groups work together to develop sound, lasting solutions for natural resource challenges. And we offer trainings and leadership programs to develop collaborative problem solving capacity among Wyoming citizens.

The environment and natural resources underlie every aspect of society. Challenges in this field are incredibly complex and can't be adequately addressed by any one discipline or interest group. At the Haub School, we believe sound, inclusive, interdisciplinary solutions are the only way forward.



ACADEMIC PROGRAMS

Welcoming Doug Wachob

We're delighted to welcome Dr. Doug Wachob to the Haub School team. He started in August as our new Director of Academic Programs. Doug comes to us from the Teton Science Schools, and he brings a wealth of knowledge and experience in environmental education, natural resource management, field ecology, and hands-on leadership approaches.

Doug's academic background is in wildlife ecology with an emphasis on the ecology of human dominated landscapes. He received his BS from the University of Minnesota and MS and PhD from the University of Wyoming in Zoology and Physiology and was an award-winning instructor at UW.

In his new role at the Haub School, Doug is focused on building partnerships across campus, guiding our academic programs through a period of rapid growth, and ensuring that our students have rich, valuable experiences that prepare them to become thoughtful leaders and decision makers.

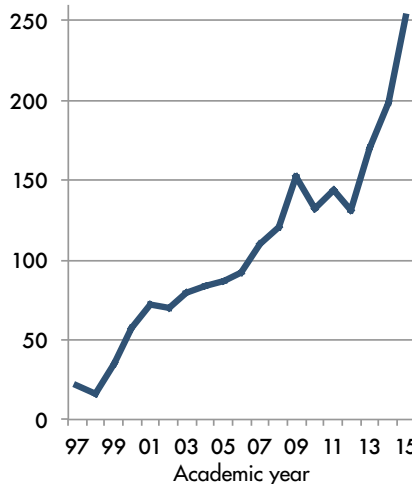


Photo: Melanie Matthews

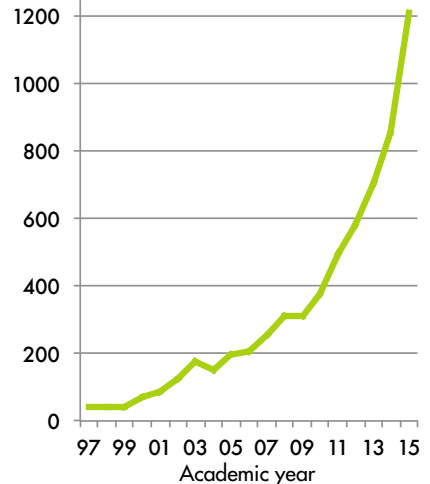
SKYROCKETING ENROLLMENT

University of Wyoming students have shown immense interest in environment, natural resources, and sustainability. With over 250 enrolled students, we are as big as some of UW's largest departments. We're thrilled by this demand, as we race to keep ahead of the growth.

Students earning Haub School majors, minors and joint degrees, 1997-2015



Total UW students enrolled in Haub School courses, 1997-2015



ACADEMIC PROGRAMS

Our Growing Faculty

Courtney Carlson, who directed the Haub School Academic Programs for six and a half years, has transitioned to a new role as Assistant Professor with an emphasis on environmental humanities. In this position she is able to dedicate her time and energy to her two passions: teaching and environmental writing.



Melanie Mathews

Temple Stoellinger officially joins the Haub School faculty as an Assistant Professor and maintains her role as a Co-Director of the Center for Law and Energy Resources in the Rockies. Temple's teaching focuses on environmental and natural resource law and policy, and her research interests include the legal, regulatory, and collaborative processes associated with resource development on public lands and wildlife law.



UW College of Law

Dr. Kevin Monteith is the Haub School's new Assistant Professor in Natural Resource Science with a joint appointment in the Wildlife Cooperative Fish and Wildlife Unit in the Zoology and Physiology Department. He studies nutritional ecology and population dynamics of large mammals, and his teaching and outreach work help bridge natural resource science to citizens and decision makers.



Courtesy Kevin Monteith

New Academic Offerings from the Haub School

Bachelor of science in Earth Systems Science and undergraduate minor in Outdoor Leadership

This fall the UW trustees approved two undergraduate academic programs to be housed in the Haub School. The **bachelor of science in Earth Systems Science** introduces students to the physical, biological, and human components of the Earth system through data collection, statistical analysis, information technology, and modeling. The 18-credit **undergraduate minor in Outdoor Leadership** emphasizes leadership, field ecology, applied experiences, and a Wilderness First Responder certification. These programs advance our mission of providing UW students with the skills and tools to build collaborative, science-based solutions to our most complex environmental and natural resource challenges.



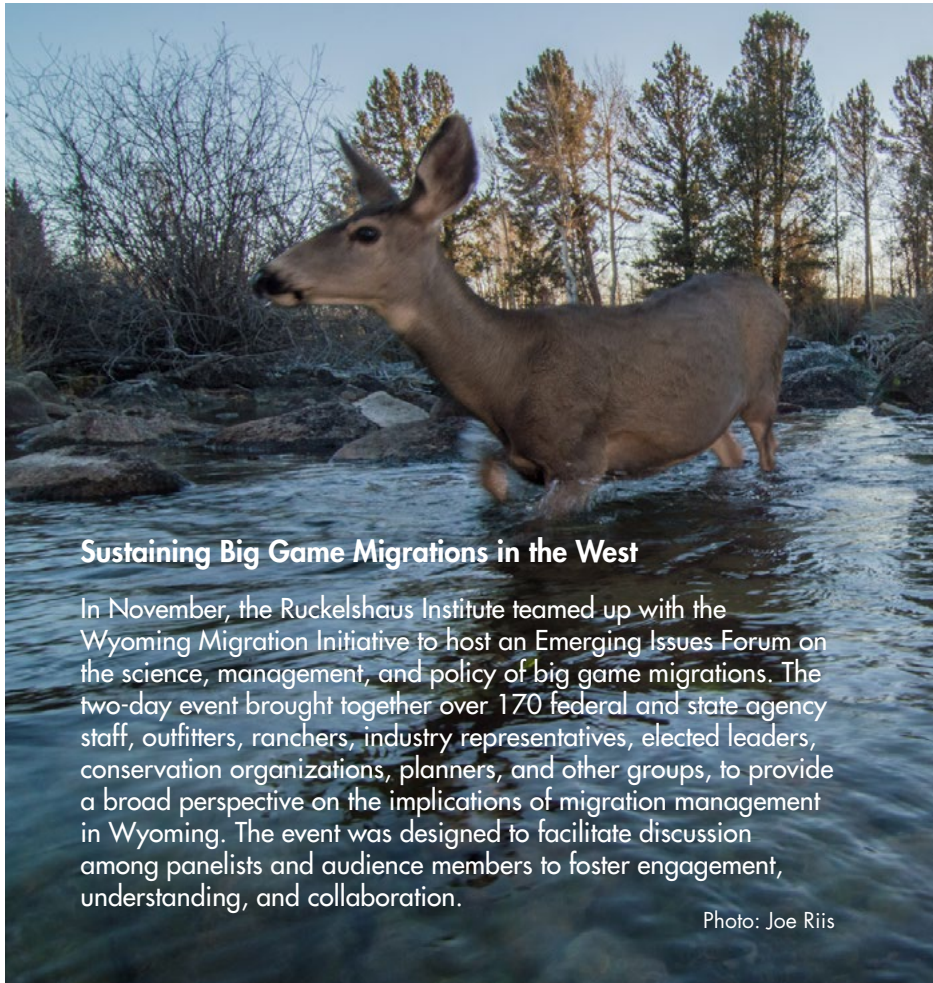
RUCKELSHAUS INSTITUTE

Research and Outreach Initiatives

Targeting Conservation Easement Purchases to Benefit Wildlife

The Wyoming Open Spaces Initiative continues to support maintenance of Wyoming's open spaces and working landscapes. This fall we released the initiative's latest publication, *Targeting Conservation Easement Purchases to Benefit Wildlife*. This publication offers conservation buyers a new approach for strategizing placement of conservation easements. Using the Red Desert to Hoback mule deer migration in western

Wyoming as a case study, the authors demonstrate how strategic targeting can assist land trusts, planners, and other groups to identify the best locations to invest limited conservation dollars. By contemplating the tradeoffs among ecological benefits, development potential, and costs for each prospective easement, the approach helps focus conservation investments where they will ensure the most protection. Find the publication at uwyo.edu/haub.



Sustaining Big Game Migrations in the West

In November, the Ruckelshaus Institute teamed up with the Wyoming Migration Initiative to host an Emerging Issues Forum on the science, management, and policy of big game migrations. The two-day event brought together over 170 federal and state agency staff, outfitters, ranchers, industry representatives, elected leaders, conservation organizations, planners, and other groups, to provide a broad perspective on the implications of migration management in Wyoming. The event was designed to facilitate discussion among panelists and audience members to foster engagement, understanding, and collaboration.

Photo: Joe Riis

Collaborative Solutions

Endangered Species Act Workshop for Western Governors' Association

In response to a request from the Wyoming Governor's Policy Office and the Western Governors' Association, the Ruckelshaus Institute facilitated the first workshop of the Western Governors' Species Conservation and Endangered Species Act (ESA) Initiative held in Cody, Wyoming. The purpose was to help the workshop participants generate recommendations for improvements to state species conservation activities and the ESA, as well as to suggest pathways for states to operate as authentic partners in the act's implementation.

Thunder Basin National Grassland Situation Assessment

The US Forest Service asked the Ruckelshaus Institute to assess stakeholder perceptions of prairie dog management on the Thunder Basin National Grassland and to determine whether and how to proceed toward a collaborative problem-solving process. We conducted, transcribed, and analyzed interviews with approximately 40 stakeholders. In addition to identifying the priorities, values, and concerns of ranchers, conservationists, and state and local officials, our findings indicate that people want to work collaboratively toward a solution.

Pole Mountain Roads Travel Management Planning

We partnered with the US Forest Service to solicit public comments for a travel planning process for Pole Mountain, the area between Laramie and Cheyenne. We hosted four public meetings and created a website and social media channels for public comment. A student assistant compiled the over 300 comments into a GIS format, which we delivered to the Forest Service along with a final report.

Collaboration Program in Natural Resources

Each spring a new cohort enters our year-long Collaboration Program in Natural Resources. Participants include mid- and upper-level professionals and individuals engaged in natural resource management in the region. They attend five in-person trainings where they practice facilitation, negotiation, mediation, and collaborative problem solving. The 2015-16 cohort will present their final projects in April 2016.



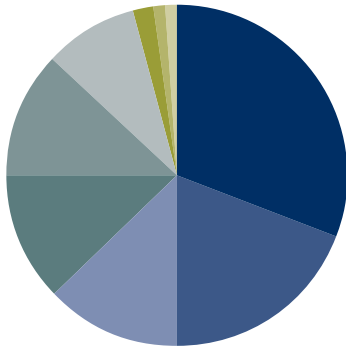


FINANCIAL STATEMENT

Revenue and Expenditures

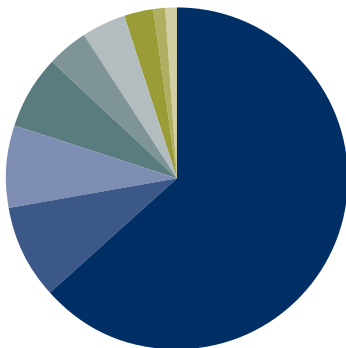
Fiscal Year July 1, 2014—June 30, 2015

REVENUE



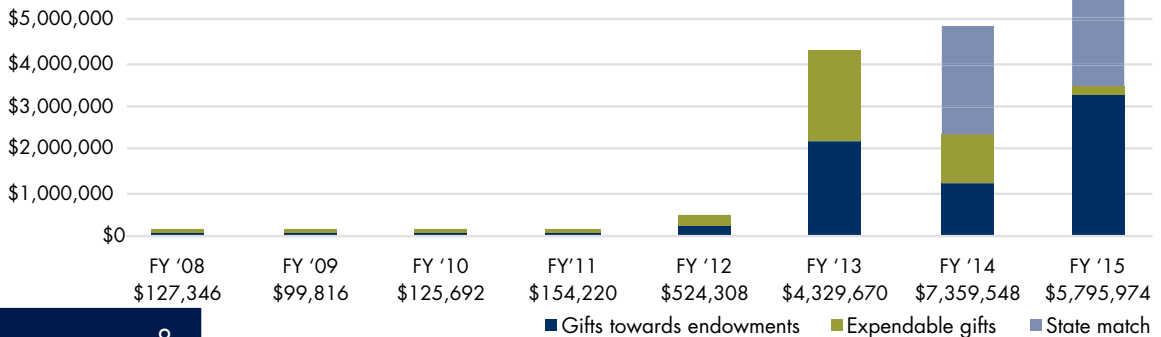
- Wyoming Excellence Chair support (31%)
- State budget (19%)
- Grants and contracts (13%)
- Endowment Income (12%)
- Individual contributions (12%)
- State match (9%)
- Online course revenue (2%)
- Interest income (1%)
- Conference and trainings (1%)

EXPENDITURES



- Salary and benefits (64%)
 - Faculty research support (9%)
 - Student scholarships and graduate assistantships (8%)
 - Student support (7%)
 - Travel: research and outreach (4%)
 - Travel: students (4%)
 - Outreach and publications (3%)
 - Equipment (1%)
 - Fundraising (1%)
- TOTAL EXPENDITURES**
\$2,191,323

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Thank You for Your Support

The exponential growth in our impact could not be achieved without our generous donors.

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Alan and Cheryl Zimmerman

Includes gifts from Dec 1, 2013 to Dec 1, 2015

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Kemmerer Family Foundation, John L. Kemmerer Jr. Graduate
Fellowship (2014)
Whitney and Betty MacMillan (2014)
Saint Paul Foundation, Gilman Ordway, Academic Programs (2014)
The Walton Family Foundation (2014)
Knobloch Family Foundation, Knobloch Wyoming Excellence Chair
in Conservation Economics and Finance (2013)
John and Mary Kay Turner, Fund for Endowed Chair in Conservation
Economics and Finance (2012)
Liliane and Christian Haub, Fund for Endowed Chair in
Conservation Economics and Finance (2011)

Mary A. H. Rumsey Foundation, Ruckelshaus Institute (2011)
Helga Otto and Erivan Haub, Haub School Endowment (2005) and
Erivan Haub Scholarship Endowment (2002)
Bim and Donald Kendall, Bim Kendall House (2005)
Jade and David Walsh, Jade and David Walsh Excellence Fund (2005)
Caryl and Roy Cline, Endowed Cline Chair in Engineering and
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Jill and William D. Ruckelshaus, Ruckelshaus Institute of
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HAUB SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

University of Wyoming
Bim Kendall House
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Laramie, WY 82072

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\$100 \$250 \$500 \$1,000 Other \$ _____

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- Haub School General Fund
 - Academic Programs
 - Ruckelshaus Institute

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