

2012-2013 UNDERGRADUATES
Bachelor of Science / Bachelor of Science in Forest Resources

Environmental Science and Terrestrial Resource Management Major

Sam A. Ader *	Ian S. Hash	Jieun Park
Melissa S. Ayres (REEH)	Alan R. Herrett	Eireann R. Pederson (SFM)
William R. Balmforth	Justin W. Hill **	Amanda Rasmussen (WILD)
Jamie C. Bass (SFM)	Gar-Yun C. Ho	Graeme E. Riggins (WILD)
Amanda L. Beaty	Atiya K. Hollyer ***	David S. Roman
Taylor M. Biaggi	Kyle A. House	Marcia A. Rosenquist
Brent E. Borden	Jacob Y. Isenberg	Haruka Saitoh (SFM)
Rebecca G. Boyd	Ariana R. Johnson	Tamlyn R. Sapp (WILD)
Yong Y. Cao	Danielle E. Johnson	Randolph A. Schemkes
Tiffany Y. Chan	Afra B. Khan	Kaitlyn A. Schwindt
Warren D. Childe *	Jazmine T. Kim (WILD)	Christine M. Sohn
Sang H. Cho (REEH)	Tae S. Kim	Oleksandr M. Stefankiv
Amber M. Corfman	Ross G. Kirshenbaum	Sherie S. Tan
May E. Delas Alas	Amy S. Klein (WILD)	Grace E. Teller (WILD)
Kathleen I. Delos Reyes	Pak L. Kong	Nolan J. Thomas
Austin L. Dickson (SFM)	Benjamin T. Krabill	Terence N. Thomas (WILD)
Bethany M. Drahotka (WILD)	Haley C. Lane	Nina Tran
William F. Durig IV	Jessica L. Lee (WILD)	Isabel Uriarte
Zachary L. Eagle (SFM)	Miles E. Lefevre	Vivien S. Varga (WILD)
Stephen G. Erickson	Shannon N. Lockhart (WILD)	Lukas F. Vendrell (SFM)
Helen M. Fillmore	Korena K. Mafune (REEH)	Kyle A. Warbis
Manuel L. Garcia	Amaryillis L. Maynard	Aaron L. Weale
Amanda L. Goffard *	Robin C. McArdel (WILD) *	Alyssa I. Wilson
Octavia D. Graham (WILD)	Nicholas J. McMurray	Hannah K. Wise-Maas
Robert A. Gread	Marcello Molinaro +	Tyler T. Wollam
Giorgio M. Guerra	Josefina Narvaja	Hiu C. Wong
Matthew A. Haack	Ryan T. Nelson	
Hannah R. Harper *	Jesse T. O'Neill	

WILD = Wildlife Conservation
REEH = Restoration Ecology and Env. Horticulture

SFM = Sustainable Forest Management
LEC = Landscape Ecology and Conservation

Bioresource Science and Engineering Major

Rory E. Biesanz (Business)	Aaron J. Johnson	Heather L. Milligan
Dustin L. Cardenas (Business)	Aaron M. Lattanzi **	Neethi Nagarajan
Matias C. Gonzalez	Jeffrey T. Lim	Benjamin S. Ponto *
Megan A. James	Krystle-Mari A. Membrere (Business)	

~ BACCALAUREATE HONORS ~
BASED ON WINTER 2013 GPA

* Cum laude (min. 3.71 GPA) ** Magna Cum Laude (min 3.83 GPA) *** Summa Cum Laude (min. 3.93 GPA)

~ DEPARTMENTAL HONORS ~

BASED ON WINTER 2013 GPA AND COMPLETED HONORS THESIS, RESEARCH, OR COURSE
Min. 3.3 UW GPA and min. SEFS GPA of 3.5 - Notated with a "+"

**School of Environmental
and Forest Sciences**

UNIVERSITY of WASHINGTON

College of the Environment

**GRADUATION
CELEBRATION**

JUNE 14, 2013
KANE HALL, ROOM 120
2:00 PM

*Reception following
in Anderson Hall Courtyard*

Welcome

Thomas H. DeLuca, Director and Professor

Opening Comments

*Lisa Graumlich ('85), Dean, College of the
Environment*

**School of Environmental and Forest
Sciences Alumni Association**

*Jessica Farmer ('10), Continuing Education Coordinator,
UW Botanic Gardens*

Keynote Address

*Thomas Maness ('89), Dean, College of Forestry,
Oregon State University*

Graduate Student Speaker

Michael P. Hannam

Presentation of Graduate Students

Undergraduate Student Speaker

Kaitlyn A. Schwindt

Presentation of Undergraduate Students

Closing Comments

2012-2013 GRADUATES

Doctor of Philosophy

Derek J. Churchill
Quantifying and Restoring Stand-Level Spatial Pattern in Dry Forests of the Eastern Washington Cascades

Rachel M. Mitchell
The Extent, Drivers and Consequences of Intraspecific Variation in Plant Functional Traits

Eric G. Delvin
Restoring Abandoned Agricultural Lands in Puget Lowland Prairies: A New Approach

Nicholas A. Povak
Landscape- and Region-Scale Correlative Modeling Techniques for the Prediction of Ecological Processes

Shannon M. Ewanick
The Effect of Biomass Moisture Content on Bioconversion and Analysis Following Steam Explosion Pretreatment

Daisuke Sasatani
Business Strategies of North American Sawmills After 2009: Flexibility, Exports and Performance

Michael P. Hannam
The Influence of Multiple Scales of Environmental Context on the Distribution and Interaction of an Introduced Seagrass and its Native Congener

Maura Shelton
Land-Use Changes in Southwestern Guatemala: Assessment of their Effects and Sustainability

Robert G. Jespersen
Experimental Investigations into the Ecological Functions of Cryptogams in Alpine Plant Communities

Peter H. Singleton
Barred Owls and Northern Spotted Owls in the Eastern Cascade Range, Wash.

Aaron N. Johnston
Eastern Gray Squirrel Ecology and Interactions with Western Gray Squirrels

Camila Tejo Haristoy
Above and Below the Canopy of Bigleaf Maple (*Acer macrophyllum*): Canopy Soils, Litterfall and Decomposition in an Old-Growth Temperate Rainforest

Jenny L. Knoth
Investigation of Diazotrophic Endophytes for Increased Efficiency of Bioenergy Crop Production

Azra Vajzovic
Production of Xylitol and Ethanol from Lignocellulosics

Michael E. Marchand
The River of Life: Sustainable Practices of Native Americans and Indigenous Peoples

Drew C. Zwart
Physiology of *Phytophthora*-Canker in Landscape Trees: Impacts, Mechanisms and Mitigation Strategies

Master of Science

Yoshihiko Aga
Market Integration of Domestic Wood and Imported Wood in Japan: Implication for Policy Implementation

Paul W. Fischer
The Effects of Forest Management Intensity on Timber and Carbon Credits in Western Washington: A Monte Carlo-Based Case Study of Tradeoffs at Pack Forest

Jessica S. Bolis
Factors Affecting Argos Location Quantity and Quality for Wolverines in a Mountainous Landscape

Matthew Flora-Tostado
Evaluating Volunteer Data Quality for Citizen Science Projects in Phenology: Estimating Peak Bloom in Kwanzan Cherry Trees on UW Campus

Jedediah S. Bryce
Nonlinear Approaches to Predicting Diameter of the Largest Limb at Breast Height in Young, Douglas-fir (*Pseudotsuga menziesii* (Mirbel) Franco) Plantations Growing in the Pacific Northwest

Christina Galitsky
Effects of Local Vegetation and Landscape Patterns on Avian Biodiversity in the Threatened Oak Habitat of the Willamette Valley, Ore.

Hillary K. Burgess
Local and Landscape-Level Influences of Bee Abundance and Diversity in Residential Gardens

Lauren Anne Grand
Identification of Habitat Controls on Amphibian Populations: The Northern Red-Legged Frog in the Pacific Northwest

Laura Cooper
Planning for Small Forest Landscapes: Facilitating the Connection Between People and Nature

David L. Hays
Physiological Responses of Himalayan Blackberry (*Rubus armeniacus* Focke) to Flooding and Implications for Wetland Restoration in the Pacific Northwest

Chang Dou
Post Steam Explosion Refining for Improvement of Enzymatic Hydrolysis

Mahsa Khorasani
Cylindrocarpon Species in Pacific Northwest Douglas-fir Nurseries: Phylogeny and Effects of Temperature and Fungicides on Mycelial Growth

Erika J. Knight
Harvest Intensity and Competing Vegetation Control Have Little Effect on Soil Carbon and Nitrogen Pools in a Pacific Northwest Douglas-fir Plantation

Jesse G. Langdon
Forecasting the Impacts of Climate Change on Terrestrial Species and Protected Areas in the Pacific Northwest

Hanna F. Lee
Family Forest Owners and Bioenergy: Toward a Blueprint "Buy-in" Plan for Feedstock Production

Matthew C. Maria
Riparian Buffer Width and Natural Enemy Diversity: Do Wider Wooded Buffers, in Between Streams and Agriculture, Support More of the Beetle and Spider Species that Control Crop Pests?

Katherine G. McBurney
Ectomycorrhizal Fungus Community of Red Alder (*Alnus rubra*): Effects of Soil Chemistry on Community Composition

Megan Boice McPhaden
Effects of Agricultural Drainage Ditch Maintenance on Water Temperature in the Snoqualmie River Valley, Wash.

Katrina J. Mendrey
Response of Douglas-fir to Metals: A Comparison of Uptake and Phytochelatin Production in Trees Planted in Soils Amended with Biosolids or Metal Salts

Colton W. Miller
Reforestation Surface Coal-Mined Land Using Douglas-fir Seedlings in Washington State

Kathryn A. Murphy
Evaluation of Northwestern Seattle Parking Strip Soil for Urban Horticulture Land Use and Urban Food Production

Kristen A. Richardson
Using Non-Invasive Techniques to Examine Patterns of Black Bear (*Ursus americanus*) Abundance in the North Cascades Ecosystem

Nai K. Saetern
Multiple Regression Inference in Douglas-fir Yield in Oregon, Washington and British Columbia Region

Maria S. Sandercock
The Role of Patterns of Urban Development on Stream Benthic Index of Biotic Integrity Scores

Mathew H. Schoellhamer
Estimating the Economic Benefits of a Mount St. Helens Wolf Population: A Cost-Benefit Analysis Using Benefit Transfer

John C. Simeone
Economic and Ecologic Implications for the Development of a Sustainable Forestry Sector in the Russian Far East

Joshua M. Simpson
An Econometric Analysis of Sewer Backup Claims in Seattle

Caitlin L. Singer
Stakeholder Attitudes Toward Forest-Residual Based Biofuels in Washington State

Rebecca E. Singer
Irrigation with Reclaimed Water: Implications for Subsurface Recharge

Jean M. (Betsy) Vance
Investigating the Ecological Requirements of *Hackelia venusta*: An Examination of the Soils and Their Potential Influence on the Limited Distribution of One of Washington State's Most Endangered Species

Andrea L. Watts
An Examination of Stand Attributes and the Presence of English Holly in a Pacific Northwest Forest, Grays Harbor County, Wash.

Katherine Hoglund Wyatt
Riparian Vegetation Structure and Composition in the Fire-Dependent Ecosystem of Eastern Washington

Master of Environmental Horticulture

Rosemary L. Baker
Ilana Calvert

Robert C. Edsforth
Lindsey Stone Hamilton

Evan S. Henrich
Ina Penberthy

Cynthia L. Riskin
Ellen K. Sherck

Master of Forest Resources

Shannon A. Armitage

Peter M. Gill (PCMI)

Mathew J. Grund

Gregg T. Zimmerman