2004-2005 UNDERGRADUATES
Bachelor of Science in Forest Resources

CONSERVATION OF WILDLAND RESOURCES
Dana S. Chandler
Casey E. Clingan
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Benjamin W. MacColl
Kyle M. Smith

ENVIRONMENTAL HORTICULTURE AND URBAN FORESTRY
Jennifer C. Brennan
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Shawn C. Conner
Lena B. Davenport
Emily J. Johnson
Shinobu Kawashima
Erika L. Knuttila
Christen M. Lundstrom
Adrian Olivas-Fernandez
Leslie Peterson
Kevin N. Ramey
Sarah J. Robertson
Timothy Saunders
Sharon E. Sinclair
Doug Schmitt

PAPER SCIENCE AND ENGINEERING
Joseph B. Frey
Jamie L. Schultz
Christopher J. Brawn
David J. Cummings
Aaron L. Halsted
Paul H. Josephson
Jeff L. Matson
Nathaniel R. Pearson
Jerel J. S. Siefert
Wiliam T. Spohnholtz
Bryana C. Williams

FOREST AND ECOLOGICAL ENGINEERING
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Benjamin E. Carlson
Aaron E. Clements
Amelia R. Hawkrige
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Sara J. Wilson
Edwin W. Wong

SUSTAINABLE RESOURCE SCIENCES
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Jami M. Donaldson
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Evan B. Vaughters

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Benjamin W. MacColl
Brian K. Ahsapanek
Travis J. Anderberg
Patrick R. Bachmeier
Daniel R. Boudreaux
Scott E. Burke
Emily J. Coulter
Christy J. McDevitt
Monika C. Nicholson
Brian J. Spradlin

WILDLIFE SCIENCE
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Meghan R. Horne-Brine
Laura L. Hughes
Jennifer M. Ikeda
Emily R. Jones
Kyle F. Kampa
Zacchariah B. Kopra
Sarah J. Kruese
Carrie E. Spradlin

OUTDOOR RECREATION AND MANAGEMENT
David A. Graves

ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Randi M. Adair
Eben M. Babb
Victor J. Biassotti, III
Jessica E. M. Coburn
Patrick J. Ferguson
Jordan T. Gerke
Alia Kroos
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*** SUMMA CUM LAUDE
** MAGNA CUM LAUDE
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Graduation Celebration 2004-2005
COLLEGE OF FOREST RESOURCES
UNIVERSITY OF WASHINGTON

JUNE 10, 2005
KANE HALL, ROOM 120
2:00 PM

WELCOME
Bruce Bare, Dean and Moderator

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Alums Ann Forest Burns

KEYNOTE ADDRESS
Casie Phillips, Vice President, Sustainable Forestry, Weyerhaeuser Company

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Michael Andlov

PRESENTATION OF GRADUATE STUDENTS BY FACULTY

UNDERGRADUATE STUDENT REPRESENTATIVE
Carrie Spradlin

PRESENTATION OF UNDERGRADUATE STUDENTS BY FACULTY

CLOSING COMMENTS

A RECEPTION WILL BE HELD IN THE ANDERSON 207 LOCKWOOD FOREST CLUB ROOM AND ANDERSON 23 IMMEDIATELY FOLLOWING THE PROGRAM.

COVER ILLUSTRATION OF ANDERSON HALL BY
PROFESSOR GORDON BRADLEY, COLLEGE OF FOREST RESOURCES

THANKS TO THE ALUMNI ASSOCIATION FOR THE RECEPTION REFRENCES AND GRADUATION GIFTS
LESLIE GERMAN, 1963 ALUMNUS, FOR THE BEAUTIFUL FLOWER ARRANGEMENTS
2004-2005 GRADUATES
Doctor of Philosophy

Gustavo H. De Negeiros
Understanding and Modelling Ecological Processes Controlling Flammability in Seasonally Dry Evergreen Forests of the Brazilian Amazon

Michael G. Andreu
Linking Silviculture with Emerging Bio-energy Technology to Manage for Forest Health

Erica T. Cline
Mycorrhizal Fungal Communities of Douglas-fir (Pseudotsuga menziesii) Seedlings and Trees: Effects of Proximity to Residual Trees

Marianne Elliott
A Canker Disease of Pacific Madrone (Arbutus menziesii) Caused by the Endemic Fungal Pathogen Fusarium oxysporum f. sp. madronae (Fusariaceae)

Kevin L. Fherenton
Patterns and Process in Mountain River Valley Forests

Richard A. Grotedefend
Accurate and Cost-Effective Natural Resource Data from Super Large Scale Aerial Photography

Edith C. S. Hall
Life Cycle Assessment of Pacific Northwest Forestry Operations from Seedling Production through Harvesting: Implications for Rational Forest Management

Jon M. Hones
Effect of Salmon Spawning on Seasonal Changes in Structure and Function of Stream Macro-invertebrate Communities

Robin D. Lesher
An Environmental Gradient Model Predicts the Spatial Distribution of Potential Habitat for Hypogymnia duplicata in the Cascade Mountains of Northwestern Washington

Lauren A. Mollot
The Use of Remote Sensing, GIS and Multivariate Vegetation Analyses to Explain the Distribution of Riparian Forest Communities at Multiple Spatial Scales

Carrie E. Monohan
Riparian Buffer Function with Respect to Nitrogen Transformation and Temperature along Lowland Agricultural Streams in Skagit County, Washington

Carol J. Volk
Nutrient and Biological Responses to Red Alder (Alnus rubra) Presence along Headwater Streams: Olympic Peninsula, Washington

Christina M. Jensen
Nitrogen Fixing Trees in Small Scale Agriculture of Mountainous Southeast Guatemala: Effects on Soil Quality and Erosion Control

Lara M. Johnson
Use of a Native Shrub (Kunzea ericoides var. microflora) and its Mycorrhizal Fungal Associate (Pholodohsp. sp.) to revegetate Metal-Contaminated Soils in New Zealand

Lara-Karen B. Kellogg
Quantifying Spatial Structures Associated with Low-Severity Fire Regimes in the Eastern Cascade Mountains of Washington, USA

Nicole L. Lang
Soil Seed Bank of an Oregon Moisture Meadow: Consequences of Conifer Encroachment

Raymond J. Larson
The Flora of Seattle in 1805: Major Plant Species and Landscapes Prior to Urban Development

Yuze Li
Effects of Fertilization and Density on Growth and Yield of Young Douglas-fir Plantations in the Pacific Northwest

Mary E. Liddell
Greening Government Procurement: An Implementation Analysis of State and Local Environmentally Preferable Purchasing (EPP) Initiatives

Garett C. Liles
Hydrologic and Nutrient Flux from Managed Headwater Streams in Western Washington

Kimberly Littke
The Effect of Lime and Gypsum Additions on Simcox Growth in Douglas-fir in Coastal Washington

Linda S. Gault
The Effect of Soil Amendments on the Symbiotic Nitrogen Fixing Relationship of Almus rubra (Red alder) and Frankia

Scott A. Greenel
Factors Controlling Distribution and Demography of Northern Spotted Owls in a Reforested Landscape

Erin N. Hagen
Conservation of the Juan Fernandez Firecreep (Sephanoides fernandensis): Characterization of Nesting Habitat

Troy Heithecker
Variations in Microclimate Associated with Dispersed and Aggregated Retention of Overstory Trees in Coniferous Forests of the Pacific Northwest

James L. Luez
The Contribution of Mortality to Early Coniferous Forest Development

Maria Maystock
Effects of Forest Structural Retention Harvest on Resource Availability and Habitat Utilization of Brown Creepers

Adam G. Mouton
Generating Stream Maps Using LIDAR: Derived Digital Elevation Models and 10-m USGS DEM

Sarah C. Murray
Generating Stream Maps Using LIDAR: Derived Digital Elevation Models and 10-m USGS DEM

Scott S. Olmsted
Foliar Chlorosis in Rhododendron Due to Excess Soil Phosphorus

James P. Packman
Land Use Effects on Suspended Sediment in Puget Lowland Salmonids Streams

Nicholas A. Palazzotto
Legacy Retention, Variable-density Thinning, and Habitat Quality of the Winter Wren in Managed Forests of Western Washington

Kyle Petersen
The Effects of Competing Vegetation Control on the Growth of Douglas-fir at a High Quality Site in Coastal Washington

Rodney L. Pond
Low Elevation Riparian Forest Restoration on a Former Gravel Mine, North Cascades National Park: Native Plant Germination, Growth and Survival in Response to Soil Amendment and Mulches

Natalia Raffaelli
The Environmental Fate of Liposomatoses in Soil

Matthew J. Ramsay
The Effects of Soil Amendment and Watering Regime on Germination and Establishment of Direct-Seeded Native Plant Species Used in Subalpine Restoration at Cascade Pass, North Cascades National Park

Amy C. Ramsey
Fungal Endophytes in Woody Roots of Douglas-fir and Ponderosa Pine

Crystal L. Raymond
The Effects of Fuel Treatments on Fire Severity in a Mixed Evergreen Forest of Southwestern Oregon

Alicia S. T. Robbins
Consumer Willingness to Pay for Renewable Building Materials: An Experimental Choice Analysis and Survey

Luke W. Rogers
Automating Contour-Based Route Projection for Preliminary Forest Road Design Using GIS

Naomi A. Rotzamel
Foliar Effects 23-27 Years after Stump Removal and Fertilization to Control Phellinus weirii in Douglas-fir Plantations

Brownyw Scott
The Temporal Effects of Ulva europaea on Soil Properties, and Modeling Impact of Invasive Species over Time

Delong Song
Characterization of Surface Energetic Properties of Wood Pulp Fibers

Nick Spang
Evaluating the Cost of Budget Administration to Projects in the US Forest Service's Fish Management Program on the Mount Baker-Snoqualmie National Forest: A Case Study of the Snoqualmie Ranger District

Vivek Srivastava
Characterization of Charge on Single Fibers

Tammy L. Stout
Treating Contaminated Material as Bare Root Material: A Comparison of Installation Techniques

Eric B. Sue
Estimating Response of Douglas-fir to Urea in Western Washington and Oregon

Joshua T. Tallis
Restoring Mycorrhizal Fungi in Degraded Tropical Soils

Master of Science

Allegro A. Abaronu
Residential Outdoor Water Conservation in Seattle: A Conservation Behavior and Social Marketing Approach to Designing Programs

Anne G. Andreu
Effects of Fall Prescribed Fire on Regeneration from the Seed Bank of Two Western Washington Grasslands

Paul R. Careghino
Growth Response of Three Native Shrubs Planted as Unrooted Cuttings across a Wetland Elevation Gradient: Symphoricarpos albus, Rubus spectabilis, and Cornus sericea

Dennis R. Chambroleau
Long-term Effects of Stump Removal for Root Disease Control on Forest Soil Bulk Density and Nitrogen

Jina K. S. Chan
Effects of Harvest Method and Slash Stratification on Germination of California Seeded Hazelnut ( Corylus seminata var. californica)

Derek Churchill
Factors Influencing Vigor of Understory Douglas-fir in Prairie Colonization Stands at Ft. Lewis, Washington

Kristine Cramer
Forest Stewardship: Understanding and Action among Family Forest Landowners in Snohomish County, Washington

Michelle A. Da Luz
Characterizing Change in Dispersed Recreation in the Taneum-Mamashah Watershed, Wenatchee National Forest

Lucy Edmonds
How Do Leaders of Western Land Trusts Perceive their Relationship to the Environment?

Crystal M. Elliott
Environmental and Historical Factors Driving Vegetation Communities on Russian Island, Columbia River Estuary

Jennifer A. French
Ecological Interactions between Western Hemlock Dwarf Mistletoe (Arenseothinum tasmanense subsp. tasmanense) and Insects within an Old-Growth Forest

Julie E. Foreier
Long Term Truce Metal Retention in a Course-Textured Forest Soil after a Heavy Biosolide Application

Melissa Fryzacki
From Public Outreach to Public Engagement, What is Needed from Scientists, Policy Ovalists and Citizens for Lake Washington Salmon Recovery?

Linda S. Gault
The Effect of Soil Amendments on the Symbiotic Nitrogen Fixing Relationship of Almus rubra (Red alder) and Frankia

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Master of Environmental Horticulture

Matt Bennett
Bryan S. Jones
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Master of Forest Resources

Sean W. Dagan
Glen D. Yallup