



EDUCATION

Master of Science: Silviculture/Forest Ecology 1999

Oregon State University Corvallis, Oregon

Thesis: *Growth and Yield, Structure and Composition, and Soil Compaction in a Western Oregon Forest Managed with Modified Selection Thinning*

Associates of Science: Forest Technology (1996)

Central Oregon Community College, Bend, Oregon

Bachelor of Science, 1993

University of Oregon Eugene, Oregon

EXPERTISE

Silvicultural Design
Forest and Road Inventory
Resource Mapping
Forest Management Planning
Ecosystem Restoration Design and Implementation
Forest Modeling
FSC Certification Compliance

TECHNOLOGY PROFICIENCY

Survey Grade Trimble GPS
ArcPad Mobile Mapping
ArcGIS Desktop Mapping
Forest Projection System (FPS)
Forest Vegetation System (FVS)
Landscape Management System (LMS)
Stand Visualization System (SVS)
ORGANON
Behave Fire Model
FlamMap Fire Analysis System

CONTACT INFORMATION

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Bend, Oregon 97701
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Darin Stringer Forester, Restoration Ecologist

COMPANY PROFILE

Formed in 2011 by Darin Stringer, Pacific Stewardship LLC provides a broad range of planning and implementation services to clients pursuing conservation-based forestry. Darin has been practicing forestry for 15 years, and reputed as a knowledgeable and thoughtful forester and ecologist, focusing on integrating multiple sciences to achieve ecosystem and financially-based forestry objectives. He has an extensive background directing a range of forestry projects from inventory to silviculture and monitoring with strong skills in personnel supervision, managing budgets, project design and implementation, field operation logistics, field supervision and reporting.

Core company services include: forest and resource inventory and mapping, management planning, silvicultural design and ecosystem restoration. Pacific Stewardship LLC is based in Bend, Oregon and conducts operations throughout the Western United States. Pacific Stewardship has provided international forestry consulting training in Peru and Lebanon.

PROFESSIONAL SKILLS

Resource Mapping: Darin has over 15 years experience managing forest resource mapping projects including vegetation, harvest units, hydrologic features, and roads. He uses a range of mapping applications featuring ESRI's ArcGIS and ArcPad for field-based mobile mapping, plot installation and navigation. Experience includes design of custom data collection programs using ArcPad Studio to facilitate efficient and accurate data collection by field crews. His expertise includes use of Trimble's Nomad and Ranger ruggedized handheld computers and associated survey software including Terrasync and Pathfinder Office software for resource-grade GPS survey utilizing custom data dictionaries and post-processing for highly accurate surveying where needed. He is trained in use of consumer grade GPS units for use with ArcPad for more cost-effective and practical mapping.

Forest Inventory: Darin has an extensive background with forest inventory and monitoring design, plot installation, analysis and reporting for a range of client needs including:

Timber-based inventory: Systems to support harvest planning, growth/yield, habitat and carbon modeling, and meet requirements of FSC and SFI certified lands. Expertise in stand delineation, typing, sampling methodology, installation, and compilation.

Ecological Monitoring: Protocols for long-term assessment of change in forest ecosystems using both repeat remote imagery and permanently installed plots.

Project Example: Ellsworth Forest and Road Inventory, The Nature Conservancy - 2004

Designed and completed a custom vegetation typing system, and a forest and road inventory for the 7,000 Ellsworth Creek Preserve in SW Washington.

Forest Management Planning: Darin specializes in forest stewardship planning that integrates forest product and other natural resource values including wildlife and sensitive habitats, water and recreation. Plans are developed for a range of clients and objectives and include forest and habitat modeling, harvest scheduling, reforestation, restoration and road maintenance.

Project Example: Metolius Forest Stewardship Plan, Deschutes Land Trust - 2004

Completed a comprehensive management plan for this 1,200-acre ownership in Camp Sherman, Oregon focused on fuels reduction, a sustainable yield conversion to unevenaged structure and restoration of ponderosa pine and riparian forest.

Silvicultural Design: Darin has a diverse background and understanding of regional forest ecosystems and silviculture for conservation-based forestry. He specializes in analysis and design of management and restoration regimes for rare and declining forest types and integration of traditional and new forestry concepts. He works closely with agencies, landowners and conservation organizations to integrate wildlife habitat into management regimes.

Project Example: Glaze Forest Project, U.S. Forest Service, Deschutes National Forest - 2009

Developed silvicultural prescriptions and trained USFS personnel to implement a high-profile project in second growth and old growth ponderosa pine and riparian forest on 1,000 acres of USFS land, adjacent to Black Butte Ranch, east of Sisters, Oregon.

Forest/Fuels and Fire Modeling: Darin has used a range of growth and yield analysis software applications including: 1- Forest Projection System (FPS), 2- Forest Vegetation System (FVS), 3- Stand-Level Inventory Program (SLIP), 4- ORGANON, 5- ASSISI software to support inventory, cruise and management planning projects, and fuels and fire simulators and compilers including: 6- BEHAVE, 7-FlamMap and 8- Fuels Management Analyst (FMA).

Project Example: Jicarilla Fire/Fuels Analysis, Jicarilla- Apache Agency BIA - 2006

Completed a fire risk analysis using FLAMMAP for juniper-pinyon and mixed conifer forestland within a 14,276-acre planning area on the Jicarilla Apache Reservation, New Mexico.

Forest Certification Services: Darin has conducted feasibility studies, assessments and audits on Forest Stewardship Council (FSC) certified and candidate lands throughout the Pacific Northwest.

Project Example: FSC Certification of Sinlahekin State Wildlife Area, WDFW - 2010

Performed first certification of Washington State Department of Fish and Wildlife Lands on the 19,500 acre Sinlahekin State Wildlife Area.

Forest Appraisals: Background in conducting stumpage appraisals on private and NGO forestland.

Project Example: Merzenich Timber Appraisal, The Nature Conservancy - 2010

Completed a timber appraisal on a 900-acre ownership in Linn County, Oregon.

Reforestation: Background in conducting stumpage appraisals on private and NGO forestland.

Project Example: Lebanon Reforestation Initiative, USFS International Programs - Ongoing

Lead advisor facilitating development of outplanting and monitoring practices for US AID supported national reforestation program in Lebanon.

Forestry Instruction: Darin has provided innovative instruction for over two decades across a range of forestry subjects including inventory and monitoring systems, silviculture, harvest planning, reforestation and ecological restoration.

Project Example: Forest Census Training, Consórcio Forestal Amazonico (CFA) - 2010

Trained forestry crew in use of ArcPad mobile mapping software and GPS for use with annual pre-harvest inventory on their 180,000 hectare forest concession in Peru.

CLIENTS/PARTNERS:

- United States Forest Service-
- Deschutes National Forest
- Freemont-Winema National Forest
- Willamette National Forest
- Dixie National Forest
- Malheur National Forest
- USFS International Programs
- Columbia Gorge National Scenic Area
- United States Dept. of Fish and Wildlife
- Natural Resources Conservation Service
- United States Bureau of Indian Affairs
- Bureau of Land Management
- Jicarilla Apache Nation
- University of Oregon
- Oregon State University
- Oregon State University Forestry and Range Extension Service
- Oregon Department of Forestry
- Washington Department of Natural Resources
- Washington Department of Fish and Wildlife
- Oregon Department of Fish and Wildlife
- New Mexico State Forestry Division
- Douglas County Soil and Water
- The Nature Conservancy
- American Forest Foundation
- Oregon Watershed Enhancement Board
- National Fish and Wildlife Foundation
- National Fire Plan, USFS
- Consorcio Forestal Amazonico
- Trust for Public Land
- Ecotrust
- American Bird Conservancy
- Rocky Mountain Elk Foundation
- Deschutes Land Trust
- Kittitas Conservation Trust
- Cascade Land Conservancy
- Columbia Land Trust
- McKenzie River Trust
- Northwest Natural Resources Group
- Long Tom Watershed Council
- Lane County
- Cities of Portland, Eugene, Corvallis, Bandon, Hood River
- Washington State Parks

REPORTS/PUBLICATIONS:

- Author to over 50 forest management reports including: forest inventory and vegetation mapping, stewardship, restoration and monitoring plans, watershed analysis, timber appraisals, harvest feasibility analysis and designs and harvest schedules.
- Lead Editor and Contributing Author: "*Land Manager's Guide to Aspen in Oregon*"
- Co-author: "Managing for Cavity-Nesting Birds in Ponderosa Pine Forests", "Snags, Bark Beetles and Cavity-Nesting Birds: Conservation and Management in Ponderosa Pine Forests of the PNW", and "NRCS Technical Note: Enhancing Habitat for Cavity Nesting Birds in Dry Ponderosa Pine Forests in the Pacific Northwest".
- Contributing Author: "Cavity-Nesting Bird Habitat and Populations in Ponderosa Pine Forests of the Pacific Northwest".
- Contributing Author/Editor: *A Guide to Reforestation Best Practices in Lebanon*.
- Master's Thesis: *Growth and Yield, Structure and Composition, and Soil Compaction in a Western Oregon Forest Managed with Modified Selection Thinning*

CAREER HISTORY

Senior Project Manager/Co-owner

Integrated Resource Management, Philomath OR
(www.irmforestry.com),
(November 1999 - February 2011)

Core duties:

- Senior Project Manager of forest and natural resource inventories in 10 Western state area on State, Federal, Tribal, NGO and private lands
- Senior Silviculturist specializing in innovative multiple-resource designs
- Manager of timber sales (layout, logging systems design, harvest supervision and administration) for clients on private and conservation NGO throughout the Pacific Northwest
- Analyst/Author of watershed analysis, harvest feasibility and design studies, forest management plans and manuals, and timber appraisals.
- Manager of contract with Northwest Natural Resources Group to provide FSC certification to clients in Oregon and Washington
- Administrator of company projects, operations, employees and finances, company marketing and public relations

Technical Forester

Roseburg Forest Products, Veneta OR (April - September 1999)

- Performed field operations including forest inventories, stocking surveys, and timber cruises, survey and laying out of pre-commercial thinning units and riparian buffers
- Designed and supervised site preparation and vegetation management prescriptions for harvested units

Consulting Forester

Various private lands clients in Western Oregon
(October 1998 - April 1999)

- Designed and completed forest and road inventories, timber cruises and regeneration surveys on private lands
- Developed silvicultural prescriptions, harvest layout, completed log marketing, sale and oversight of logging operations on commercial thinning projects including unevenaged management conversion cuts

Research Assistant

Forest Science Department, Oregon State University, Corvallis, OR (September 1996 - September 1998)

- Completed comprehensive case study of non-industrial forest practices in Western Oregon

private lands by compiling and modeling growth and yield under alternative management scenarios

- Examined soil conditions and stand structure in Douglas-fir stands managed with uneven-age systems

Forestry Technician

Deschutes National Forest, Bend OR (June 1996 - September 1996)

- Conducted forest inventory, GPS mapping, cruising timber, and Inspections

Research Coordinator/Instructor

Cascade Science School, Bend OR (June 1994-September 1995)

- Developed and instructed field-based arid lands, forest and aquatic ecology programs
- Managed school research program

Program Assistant

EcoTrust/Pacific GIS, Portland OR (June 1992-June 1994)

- Edited science and policy papers
- Mapped coastal temperate forest bio-indicators and socio-economic conditions