**Education**

2011-Current **PhD**

Department of Environmental Science and Management

Portland State University

Expected graduation June 2015

Current Research

Cumulative Survival and Condition of Juvenile Salmonids Passing

Through the Lower Columbia River Hydrosystem

2011 **Post Baccalaureate Studies**

Portland State University

2003-2008 **Bachelors of Science**

Department of Biology

Southern Oregon University

Capstone Research

Changes in the Size Distribution of Tree Species Over 50 Years in the Siskiyou Mountains

Awards

Research Experience for Undergraduate (REU)

National Science Foundation

**Employment**

2011-Current Pacific States Marine Fisheries Commission

Biologist

Responsibilities:

* Fish condition assessments of juvenile Chinook salmon and Steelhead including

internal and external physical evaluations for the Lower Columbia Four Dams Project

funded by the US Army Corps of Engineers

* Necropsy of juvenile salmonids for fish condition study to identify effects of

fish passage through dams

* Laboratory sampling including collection of blood, plasma, spleen, liver and brain

samples

* Set up and maintenance of Juvenile Salmon Acoustic Telemetry Systems at the

Bonneville Dam, The Dalles Dam and John Day Dam

* Fish release into the Columbia River
* Technical writing and analysis of annual reports for the US Army Corps of Engineers

2008-2010 U.S. Bureau of Land Management

Botany Technician

Responsibilities:

* Inventories of public lands to document the occurrence and distribution

of plant species, especially those classified as rare, threatened or endangered.

* Compile occurrence and distribution data, create GIS cover maps and BLM

herbarium mounts

* Make recommendations on plant habitat protection, enhancement, or critical habitat

designations

* Perform field studies to document environmental factors affecting plant species and

habitat

* Enter and retrieve data from databases
* Habitat restoration of disturbed areas (i.e. fire and decommissioned roads) using

native grasses and plants

2007 UC Davis

Research Assistant

Responsibilities:

* Locating and navigating to remote study sites using topographical maps and GPS
* Full species inventory (familiarity with dichotomous keys - Jepson and Kazloff)
* Ecological field methods and collection of plant samples
* Tree diameter at breast Height (DBH)
* Data and data entry

2005-2007 Southern Oregon University

Greenhouse Technician

Responsibilities:

* Propagation of vascular plants
* Watering, feeding and transplanting
* Plant identification

2003-2005 Willow Witt Ranch

Ranch Manager

Responsibilities:

* Sustainable timber harvest and management
* Meadow restoration
* Permaculture landscaping design and implementation
* Animal care
* Construction, fencing, and general labors

2003 U.S. Forest Service

Fisheries Technician

Responsibilities:

* Manufacturing fish traps and placing fish traps in streams
* Daily monitoring of traps
* Fish species identification
* Data collection and management
* Electro-shocking and pit tag identification

1999-2007 Wilderness Charter School

Lead Wilderness Backpacking Guide (Seasonal)

Responsibilities:

* Pre-trek organization
* Logistics coordination (food planning and purchase, routes, evacuation protocols)
* Wilderness curriculum development including basic biology, natural history and plant identification
* Orienteering
* First aid and safety
* Group facilitation

**Academic Achievements**

2012 Ecological Society of America

Poster Presentation

Patterns in forest plant phenology: Can citizen scientists accurately assess phenological

changes?

Kerissa K. Fuccillo, Theresa M. Crimmins, Catherine de Rivera, Timothy S. Elder

2011 US Army Corps of Engineers - Final Report (In Press)

Survival and Passage of Juvenile Chinook Salmon and Steelhead Passing Through John

Day Dam, 2010

GR Ploskey, MA Weiland, JS Hughes, CM Woodley, Z Deng, TJ Carlson, J Kim,

IM Royer, GW Batten, AW Cushing, SM Carpenter, DJ Etherington, TS Elder, ES

Fischer, T Fu, MJ Hennen, TD Mitchell, TJ Monter, JR Skalski, RL Townsend,

SA Zimmerman

**Additional Skills and Qualifications**

* Oregon Boaters License
* Wilderness First Responder