

## Mary Ashby

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### **Education: Bachelor of Science in Forestry with a Certificate in Fire Ecology and Management**

Northern Arizona University (NAU), Flagstaff, AZ  
Candidate for graduation, May 2014

#### Associates Degree

Los Angeles City College, Los Angeles, CA  
August 2008-December 2010

#### Associates Degree

Butte College, Chico, CA  
August 2007-May 2008

### **Certification:**

- 11/2011-Present **Firefighter Type II**
- 06/2013-Present **Certified Timber Cruiser for Region 3**
- 06/2013-Present **Licensed to Drive United States Government Vehicles**

### **Experience:**

- 09/2013-Present Partnership of Public Service  
**Federal Forest Service Student Ambassador**
- Met with faculty and staff representing the career services that the USFS offers
  - Led meetings with various student group leaders
  - Conducted regional outreaches to nearby colleges
  - Conducted general marketing activities
  - Held presentations about the USFS
  - Held workshops for USAjobs.gov for students on campus
  - Led one-on-one small group advising sessions
- 05/2013-Present United States Forest Service, Flagstaff, AZ  
**Pathways Intern**  
**Timber Department**
- Installed new Forest Service TMR signs and gates
  - Cruised timber and recon plots to find volume and seen defect according to the Forest Service Handbook (FSH) and Forest Service Manual (FSM) Standards
  - Uploaded and downloaded Garmin GPS to navigate to plot numbers in forest stands
  - Marked tree stands following Northern goshawk and Mexican spotted owl guidelines with various complex silvicultural prescriptions
  - Remarkd 1,104 acre due to paint degradation, used a Panama gun
  - Laid out boundaries for Schultz Channel Restoration Project

- Attended job hazard analysis (JHA) in the district and forest wide, such as: lightning danger, flood danger, fire danger, exposure, and office security
- Worked without a single injury and very attentive to safety guidelines

#### ***Silviculture Department***

- Laid stand boundaries using a GPS to track and delineate stands of wet/dry conifer stands
- Input data into FACTS
- Navigated and located aspen regeneration plots
- Cruised aspen plots for browsed/regeneration
- Used chop saw to cut rebar post, that would be later used to establish plots
- Collected data for a study done by the Rocky Mountain Research Station “Deicing Salt Impacts along Roads on the Flagstaff Ranger District, Coconino National Forest, Arizona”
  - Collected needle samples from asymptomatic/symptomatic salt damaged trees and used GPS to track locations
  - Collected soil samples near asymptomatic/symptomatic salt damaged trees and used GPS to track locations
  - Assisted drying, grinding, and weighing pine needles

#### ***Presale Forester Department***

- Assisted with paint inventory audits
- Assisted presale forester with timber sale contracts and stewardship contracts
- Input data into Timber information Management (TIM) and TEA Sale Information

05/2012-08/2012

Sierra Pacific Industries, Anderson, CA

#### **Timber Cruiser**

- Hiked in slope ranging from 0-90%
- Navigated alone using a map and compass in dense and rugged terrain
- Located, established, flagged, and cruised 1/5 acre plots, approximately 10-12 hours a day
- Passed a check-cruise administered by SPI and a third party
- Identified various species and defects on trees
- Cruised plot using a relaskop to find total height, canopy base height, and number of logs
- Measured DBH and used a tree increment borer to age trees
- Input data into an electronic data recorder and built transfer files for the computer
- Drove company vehicles to site’s and engaged 4-wheel drive when needed

08/2008-08/2011

Starbucks, Flagstaff, AZ

#### **Barista and Learning Coach**

- Performed several activities necessary to maintain the inventory of the organization in orderly manner
- Cash drawer operation
- Can operate efficiently in high pressure situations
- Trained and coached new baristas
- Communicated and coordinated with manager when new baristas were ready to be certified
- Followed all health, safety and sanitation guidelines

## Volunteer Experience:

- 01/2011-Present Student Associate of Fire Ecology (SAFE), Flagstaff, AZ  
**Volunteer Chair Coordinator**
- Adopt-An-Avenue street clean-up
- 01/2011-Present NAU Forestry Club, Flagstaff, AZ  
**Active Member**
- Adopt-An-Avenue street clean-up
  - Budweiser Tank clean-up
- 01/2011-Present Society of American Foresters (SAF)  
**Active Member**
- Attend monthly meetings
- 09/2011-Present American Conservation Experience (ACE), Flagstaff, AZ  
**Volunteer**
- Complete the Arizona Trail
- 10/9-10/12/2013 Interpreter for XXIII SAF-AMPF (Association of Mexican Professional Foresters) Biennial Reunion  
**Interpreter**
- Helped Mexican Professional Foresters with registration
  - Attended and interpreted technical sessions
- 01/2011-Present Kids for Conservation  
**Volunteer**
- Taught kids to make pinecone bird feeders
  - Created fire a simulation of a 'dense' forest using rebar and newspaper
- 08/2003-06/2007 USDA Forest Service, Susanville, CA  
**Volunteer**
- Repairing and maintaining trails on Bizz Johnson Trail

## Skills:

- Valid California state driver's license
- Bilingual in Spanish
- Proficient with timber tools, Panama gun and spray paint gun
- Proficient with basic trail maintenance tools, pick-ax, ax, McLeod, Pulaski, rock bar, shovel, and Weed Wacker
- Proficient with basic forest measurements and equipment, diameter tape, Biltmore Stick, Loggers tape, clinometer, tree borer, 20 BAF, 40 BAF prism, laser, Panama gun, relaskop, map, and compass
- Proficient with Microsoft Word, Microsoft Excel, Access, PowerPoint, GIS, FVS, and FireMon