Amber Noble

Curriculum Vitae

anoble11@uw.edu 601.672.0665

EDUCATION

2016 – 2018 (expected) B.S., Environmental Sciences and Resource Management with Honors, University of Washington

2003 – 2005 A.A., Mathematics with Honors, Mississippi Delta Community College

RESEARCH EXPERIENCE

September 2017 Ecosystem Management (ESRM 425), University of Washington

- Two-week class that analyzed retention harvest plots and studied forest ecology in H.J. Andrews Experimental Forest, Blue River, Oregon
- Measured and recorded diameter at breast height (DBH) within fixed-plots for calculation of stand density; found profitable prescriptions for timber harvest with retention of biological hotspots and legacies to promote resilience of stand

June 2017 Environmental and Resource Assessment (ESRM 304), University of Washington

- Collected measurements in UW Pack Forest for multiple elements of forest ecology: understory species, canopy/overstory species, stream, wildlife, successional pathways, and soil profiles
- An assessment found lower canopy species along transects to be statistically relevant to the stand. Data implied upper canopy cover and basal area increased further from a logging road while lower canopy vegetation decreased which supported relevance of forest edge effect. DBH variances were found to be statistically different between segments within a *Pseudotsuga menziesii* plantation.

April 2016 Physical Geography (GEOG 205), Everett Community College

- Collected and analyzed data from freshwater and saltwater samples to assess abiotic factors while mapping plots using global positioning device on Orcas Island
- Freshwater sites showed higher dissolved oxygen than saltwater sites; however, freshwater sites measured higher temperatures. Salinity indirectly affected dissolved oxygen in which the saltwater sites had a high mean salinity and lower dissolved oxygen.

VOLUNTEER EXPERIENCE

2016 – 2018 (expected) — Society for Ecological Restoration, University of Washington Student Guild

- Removed invasive species, i.e. *Hedera helix*, *Rubus armeniacus*, *Cytisus scoparius*, and installed native plants to restore natural habitat areas on campus
- Invasive species found to establish in areas of disturbance, and regular maintenance along with plantings of native species found to reduce the on-set of invasive establishment.
- Held officer position for five quarters; coordinated meetings; worked with volunteer teams on events; delegated tasks to promote the activities of the organization; advocated for ecological restoration

July 2017 — Volunteer for Doctoral Candidate Research, University of Washington

- Conducted tree plot measurements within mixed-conifer, old-growth *Picea sitchensis* in the Hoh River Rain Forest, Olympic Peninsula
- Data suggested the dominant *P. sitchensis* affected spatial dynamics and species interactions within plots; further data analysis being conducted to access resource interactions

August 2016 — Barclay Lake Trail, Washington Trails Association

- Trail maintenance while using lopper and trasher hand-tools
- Reduced foliage to promote hiker-friendly areas and promote new growth of vegetation

AWARDS

Dean's List, University of Washington – Fall 2016, Spring 2017
Dean's List, Everett Community College – Spring 2016