

Jessie A. Moravek, Curriculum Vitae

EDUCATION

Northwestern University; B.A., Biology and Environmental Science; June 2016; GPA 3.99; Senior Thesis: *“The effect of salmon on riparian communities in the Cedar River, WA”*

Semester in Environmental Science, Marine Biological Laboratory, Woods Hole, Massachusetts; August – December 2014;
Independent Research: *“Effects of aquatic production on forest food webs”*

Saint Charles North High School; May 2012

AWARDS and HONORS

- Fulbright-Lancaster University Award postgraduate student; 2018-19
- Luce Scholar Program, Nepal; Henry Luce Foundation; 2016-17
- Best Senior Honors Thesis in Environmental Science; Northwestern Environmental Science Program; 2016
- Outstanding Achievement in Environmental Science; Northwestern Environmental Science Program; 2016
- Ernest F. Hollings Scholarship; National Oceanic and Atmospheric Administration; 2014-16
- Phi Beta Kappa honor society; Junior class, Northwestern University; 2015
- Oliver Marcy Scholarship; Weinberg College of Arts and Sciences; 2015
- Best Oral Presentation in Science and Engineering; Northwestern Undergraduate Research Exposition; 2015
- National Ground Water Association Scholarship; 2012
- Nicodemus Wilderness Project Award; 2012
- Girl Scout Gold Award; Girl Scouts of Northern Illinois; 2011

PRESENTATIONS

Community Presentations

“The effects of Acorus calamus on Parvati Kunda, a small wetland in the Nepal Himalaya”; Wildlife Conservation Nepal; Public Presentation; Kathmandu, Nepal; 2017 (internal WCN publications in progress)

“Biodiversity and drinking water quality in Parvati Kunda and the surrounding area”; Wildlife Conservation Nepal; Presentation to Gatlang community leaders; Gatlang, Rasuwa, Nepal; 2017

“All About Parvati Kunda: A One-Day Practical for Class 9”; Presentation and educational program to Gatlang school; Gatlang, Rasuwa, Nepal; 2017

Student Panels and Symposia

“The effect of salmon on riparian communities in the Cedar River, WA”; Northwestern Undergraduate Research Exposition; Evanston, IL; 2016

“The effect of salmon on riparian communities in the Cedar River, WA”; Ernest F. Hollings Scholarship Student Symposium; Silver Springs, MD; 2015

“The fatty acid content of shrimp shell chitin”; Northwestern Undergraduate Research Exposition; Evanston, IL; 2015

“Effects of beaver re-colonization on aquatic production and forest food webs”; Semester in Environmental Science Research Symposium; Woods Hole, MA; 2014

International Conference Posters: “The effect of salmon on riparian communities in the Cedar River, WA” (publication in progress)

Ocean Sciences Meeting; New Orleans, LA (Conference Travel Grant for \$1,500, Northwestern); 2016

American Society of Naturalists Meeting; Asilomar, CA; 2016

American Geophysical Union Fall Meeting; San Francisco, CA; 2015

EXPERIENCE

Research

“Environmental Impact Assessment (eDNA component) for Upper-Trishuli 1 Hydropower Dam—Aquatic Ecology Field Manager”; 2018; Mr. Adarsh Man Sherchan; Center for Molecular Dynamics Nepal, Kathmandu, Nepal (funded by the International Finance Corporation)

“The prevalence of Canine Distemper Virus (CDV) in street dogs and wildlife in Bhaktapur, Nepal” (publication under preparation); 2017-18; Dr. Dibesh Karmacharya; Center for Molecular Dynamics Nepal, Kathmandu, Nepal

“The effects of *Acorus calamus* on Parvati Kunda, a small wetland in the Nepal Himalaya” (publication under preparation); 2016-17; Ms. Sanjeevani Yonzan Shrestha; Wildlife Conservation Nepal, Kathmandu, Nepal

“The effect of salmon on riparian communities in the Cedar River, WA” (publication in review); 2015-16; Dr. Peter Kiffney; Northwest Fisheries Science Center, Seattle, WA; (Weinberg Undergraduate Research Grant for \$1,000, Northwestern 2016)—

“Identifying stream inputs in Intensely Managed Landscapes” (publication under preparation); 2014-15; Dr. Neal Blair; Northwestern University, Evanston, IL

“The fatty acid content of shrimp shell chitin”; 2013-15; Dr. Neal Blair; Northwestern University, Evanston, IL; (Undergraduate Research Grant for \$1,000 and Summer Research Grant for \$3,000, Northwestern 2013-14)

“Effects of aquatic production on forest food webs”; 2014; Dr. James Nelson; Marine Biological Laboratory, Woods Hole, MA

Summer Ground Water Surveys; 2013; Melissa Hendrickson; Ashley National Forest, Vernal, UT

Naturalist Internship Program; 2012; Valerie Blaine; Forest Preserve District of Kane County; Kane County, IL

Leadership and Service

Weinberg Student Advisory Board Representative, Environmental Science Program; 2013-16

Contributing writer, “In Our Nature”; campus nature publication, wildlife contributor; 2014-16

Northwestern University Marching Band, Mellophone; Football and Basketball seasons; 2013-16

Northwestern Philharmonia Orchestra, Viola; 2012-16

Relay For Life Northwestern; Executive Board, Sponsorship Chair and Team Captain; 2012-16

Relay For Life Saint Charles North HS; President, Sponsorship Chair and Team Captain; 2008-2012

SKILLS AND MEMBERSHIPS

Skills

Technical: ArcGIS, R, SPSS

Language: Proficient in Nepali; Conversational in Spanish

Instrumental: Viola (advanced); Violin (intermediate); French Horn (intermediate)

Memberships

2015-present American Geophysical Union, Student Member

2014-present Ecological Society of America, Student Member

ACTIVITIES

Running

Himalayan Outdoor Festival 12 km, March 2017 and 18; Stupa to Stupa 20 km, Trail Running Nepal, March 2017; Seto Gompa 11 km, Trail Running Nepal, February 2017; Chicago Spring Half Marathon, 2016; Cape Cod Marathon Relay (two 6-mile legs), 2014

Trekking

Three Passes/Everest Base Camp, Nepal, May 2018; Lower Dolpa, Nepal, June-July 2017; Langtang Valley and Gossaikunda, Nepal, April 2017; Annapurna Base Camp, Nepal, October 2016; Glacier National Park, Montana, USA, June 2014; Ashley National Forest, Utah, USA, July 2013; Wind River Range, Wyoming, USA, August 2004, 2006, 2008, 2010