

WIETEKE ASTER HOLTHUIJZEN

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CAREER OBJECTIVE

My research interest lies in the nexus of nature and human presence, especially of seemingly remote flora and fauna that are still affected by human activities. I seek to study the interactions and relationships among abiotic and biotic factors of islands; the threats that face these unique ecosystems (including invasive species, anthropogenic impacts, and climate change); and how to maximize island ecosystem recovery. To reach this goal I have obtained a B.S. degree in Environmental Science, and plan to continue my education with an M.S. degree in a related area, specifically studying the impacts of island biota (such as seabirds) upon their terrestrial ecosystems (and vice versa) with applications for island ecosystem recovery, habitat restoration, and wildlife conservation.

EDUCATION

GRE Test Score (5/27/2016)

Verbal Reasoning: **160** (out of 170: 85th percentile)

Quantitative Reasoning: **159** (out of 170: 75th percentile)

Analytical Writing: **6.0** (out of 6.0: 99th percentile)

University of Idaho (UI), Moscow, ID

Graduation Date: 5/17/2014

Undergraduate Major: B.S. Environmental Science with Biologic Science Emphasis

Undergraduate Minors: French, Wildlife Resources
GPA: 4.0 (Summa Cum Laude)

Languages spoken: English, Dutch, French

Mountain View High School (MVHS),

Meridian, ID

Graduation Date: 6/3/2010

GPA: 4.0

Weighted GPA: 4.2295

ACT (6/13/2009): 31

WORK

INVASIVE PLANT CONTROL SPECIALIST, KUPU/AMERICORPS CONSERVATION LEADERSHIP PROGRAM, MIDWAY ATOLL NATIONAL WILDLIFE REFUGE. (9/12/2016-8/19/2017)

Invasive Plant Control and Native Plant Restoration

- Conduct pre-treatment surveys of management sectors to help determine treatment priorities: find, observe and map (approximately) *Verbesina encelioides* locations, relative abundance and phenological phase (green growth, flowering, seeding) and assign a ranking based on these respective criteria; work with Refuge staff to prioritize and coordinate treatment efforts.
- Perform quality control checks (QC) in treated management sectors to assess treatment efficacy and identify any gaps in coverage that should be revisited or retreated.
- Use precision methods to apply herbicides effectively and carefully on priority invasive plant species; learn and apply various herbicide techniques (foliar method, cut-stump method, etc.) based on species treated.
- Survey the Refuge regularly for relic species and treat as needed.
- Assist with program operations include equipment maintenance and inventories.
- Support native plant species outplanting operations and site maintenance, including outplanting or seeding selected native species, watering and fence maintenance.

Ecological Monitoring

- Monitor *V. encelioides* phenological phases to guide treatment rotation schedules; enter and maintain data in Excel and Nature's Notebook (online, citizen-science database); analyze data and present results.
- Conduct annual monitoring of invasive plants across the atoll, in concert with the Biological Technician; assist in refinement of these protocols; enter data in Excel and summarize; be able to identify priority Refuge invasive plant species.
- Assist Refuge Staff in the creation of the Refuge Weed Ranking Classification tool; refinement of priority invasive species lists (specifically gathering and compiling background information on selected invasive plant species) and in development of best management practices for selected invasive plant species.

Data Management, Interpretation and Reporting

- Enter and maintain daily records of invasive plant control efforts in Excel spreadsheets, Access database, Google calendar, and other data management forms.
- Maintain records in Refuge Invasive Plant Management geodatabase (ArcGIS) on several aspects of the program: daily invasives control and QC track logs; locations and status of relic invasive species; and outplanting records.

CONSERVATION PROGRAMS FELLOW, NATIONAL WILDLIFE REFUGE ASSOCIATION, WASHINGTON, D.C.
(9/14/2015-3/21/2016)

- Created informational materials about the Pacific Ocean Marine National Monuments (MNM) and National Wildlife Refuges (NWRs) for both internal and external use, primarily for the purpose of educating federal agency employees and encouraging support among Members of Congress and associated staff.
- Assisted in completing an assessment to help inform and provide a framework for prioritizing the goals (including biological and ecological objectives, financial scenarios, opportunities for constituency building, as well as increasing relevancy among the public) of the U.S. Fish and Wildlife Service (USFWS) vision for the Pacific Monuments and Refuges.
- Provided overall support to organization President in following up on Pacific needs and opportunities and help further develop Pacific program conservation projects and advocacy efforts.
- Supported the Southeastern Project Coordinator in planning and convening a series of workshops that bring together USFWS, Forest Service, and state agency biologists and land managers, along with subject matter experts and private partners, to assess the role of specific public land complexes in providing habitat for species petitioned for listing.
- Assisted Western Program Manager as needed with landscape conservation initiatives located in Oregon/Nevada (Sheldon-Hart NWRs), Wyoming (Seedskaadee NWR and Bear River Watershed Conservation Area) and Montana (Charles M. Russell NWR).
- Assisted Director of Conservation Programs and consultants as needed with preparation of reports, maps, and other deliverables related to Gulf Coast, Texas, and other landscape conservation/Beyond the Boundaries focal areas.
- Helped prepare educational materials to educate Washington audience on key issues – audiences included: Department of the Interior/USFWS leadership in Washington, Office of Management and Budget/White House, and Members of Congress.

LAYSAN DUCK VOLUNTEER, USGS PACIFIC ISLAND ECOSYSTEMS RESEARCH CENTER, KILAUEA FIELD STATION, HAWAI'I VOLCANOES NATIONAL PARK. (7/2/2015-9/4/2015)

- Maintained all Laysan Duck data, including datasheets and electronic copies: resight/population surveys, incidental resights, dead/sick duck log, and duck captive care records. Extensive experience with Microsoft Excel and Access programs.
- Confirmed all resight data and edited for analysis.
- Maintained/reorganized photo files.
- Cleaned-up and archived data files and reorganized systems as needed.
- Assembled Laysan Duck identification, natural history, and Midway history reference materials for other staff/volunteer education; updated protocols for USFWS on Midway Atoll NWR.

WILDLIFE BIOLOGY AND LAYSAN DUCK VOLUNTEER, U.S. FISH AND WILDLIFE SERVICE, MIDWAY ATOLL NATIONAL WILDLIFE REFUGE. (11/10/2014-6/26/2015)

- Monitored for incidences of botulism outbreaks among Laysan Ducks (*Anas laysanensis*) and helped to rehabilitate sick ducks, including training in duck handling, gavaging, and other botulism related protocols.
- Resighted bands on Laysan Ducks and participated in duck population surveys to aid with demographic monitoring efforts.
- Organized, entered, and archived Laysan Duck data (including mortality records, sick/rehabilitated duck records, etc.) and created excel templates for data management and visualizing trends in habitat use throughout the atoll by Laysan Ducks.
- Conducted demographic work on Laysan and Black-footed Albatross (*Phoebastria immutabilis* and *P. nigripes*), including tracking reproductive success, chick development and growth, and adult survival as well as banding adult and juvenile albatross species.
- Restored native and appropriate habitat through native plant propagation and outplanting, and identifying and removing invasive plants both by hand and through chemical application of herbicide.
- Developed a 170-page identification book for all native and the most common non-native and invasive plant species found on Midway Atoll NWR.
- Entered albatross demographic data and built/used templates in Microsoft Office (Word, Excel) for data management and organization.
- Drafted a sustainability policy for Midway Atoll NWR and initiated several sustainability projects, notably streamlining recycling efforts on the Refuge and developing a basic composting program to create needed potting soil amendments for native plant propagation.
- Aided with various other work on Midway Atoll NWR, including marine debris removal and grounds maintenance.

MIST-NETTER AND TARGET-NETTER, MONTANA WILDLIFE COOPERATIVE RESEARCH UNIT, MOGOLLON RIM, ARIZONA. (5/24/2014-7/20/2014)

- Captured and banded various adult passerine species (ground nesters, shrub nesters, cavity nesters) during nestling and fledgling stages of offspring.
- Successfully performed Doubly-Labeled Water technique on adult passerines species.
- Bled both adult and nestling passerine species and processed blood samples (separated blood from plasma, sealed microtubes, etc.).
- Handled and measured nestlings (including tarsus length, wing chord, P8 broken, tail length, weight).
- Conducted vegetation surveys, which included species identification, estimating ground cover and average canopy height, measuring litter depth, counting stems and trees, and making other measurements using a densiometer, clinometer, and compass.
- Further refined passive netting and target netting techniques by using male playback or alarm calls, flushing incubating females, and setting nets in known flight paths.

DIRECTOR, UNIVERSITY OF IDAHO SUSTAINABILITY CENTER (UISC), MOSCOW, IDAHO. (8/19/2013-5/17/2014)

- Developed a series of campus-wide sustainable food systems commitments that emphasize increasing- purchases of locally- and regionally-raised/grown food (especially from student organizations).
- Developed the Center's main goals and strategies for achievement.
- Collaborated and worked with the Sustainability Program Coordinator on the Center's activities, projects, budgets and annual work plans as well as communications, marketing activities, and annual strategies.
- Led and managed the UISC student staff and day-to-day operations.
- Served as the spokesperson for UISC student programs and activities.
- Took part in campus and community activities and governance involving sustainability.
- Gave presentations at forums, events, organizational meetings, and educated the campus community on sustainability topics and current projects.
- Collaborated with various University of Idaho departments, colleges, and programs, ASUI (student government), GPSA (graduate student government) leadership and student groups to establish a student leadership coalition to promote sustainable opportunities for involvement by student groups, faculty, staff, administration, student government, and community.
- Managed the UISC Student-directed budgets.

SUMMER FIELD ASSISTANT, CARY INSTITUTE OF ECOSYSTEM STUDIES, MILLBROOK, NEW YORK. (5/13/2013-7/19/2013)

- Found and monitored Veery (*Catharus fuscescens*) nests for study, including data entry.
- Able to age various ground-nesting bird nestlings from hatch date to fledge date.
- Analyzed nest camera data for predation events and general nestling behavior and parental care.
- Further refined skills necessary to mist-net and band birds (included tarsus length, wing length, weight, identification of species, sex determination, age determination).
- Set-up and executed recordings of the avian dusk chorus; analyzed data via sound analysis software (RavenPro 1.4) to determine trends among avian dusk chorus species in response to indirect predator alarm calls by a satellite species.

PROJECTS COORDINATOR, UNIVERSITY OF IDAHO SUSTAINABILITY CENTER (UISC), MOSCOW, IDAHO. (8/15/2011-5/15/2013)

- Led and managed the UISC's student-led grant program, which included coordinating grant information seminars and grant writing workshops, evaluating grant applications, and advising/guiding grant recipients throughout their grant project.
- Member of UISC Recycling Committee and UISC Earth Fest Planning Committee.
- Initiated and organized the installation of a water bottle refill stations on the University of Idaho campus.
- Planned and led Sustainable Cooking Classes ("Good Eatings") for students living in various residence halls on the University of Idaho Campus.
- Developed and hosted the Ideas Symposium, an evening of inspirational and insightful presentations focused on sustainability for students by various University of Idaho staff.

- Worked with Ink-O-Dem to develop sustainable system of printer cartridge refills for students, faculty, and staff on campus.

BIRD RESEARCH INTERN, MISSOURI OZARK FOREST ECOSYSTEM PROJECT (MOFEP), ELLINGTON, MISSOURI. (5/14/2012-7/27/2012)

- Learned to identify over forty birds (specifically Neotropical migrant passerines) by sight and sound.
- Trained to spot map the locations of breeding birds and conduct point counts.
- Able to navigate through Ozark Mountain Forest and Missouri Conservation area by use of topographic maps, compass, and GPS.
- Found and monitored focal species' nests for MOFEP study, including various types of species from ground nesters to cavity nesters to canopy nesters.
- Learned skills necessary to mist-net and band birds (included tarsus length, wing length, weight, identification of species, sex determination, age determination).
- Completed an independent research project to determine relative abundance of two hawk species among six study sites treated with three different forest management techniques.

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

- Holthuijzen, Wieteke A. 2017. Stranger danger: acoustic response of the Veery (*Catharus fuscescens*) via heterospecific eavesdropping on the Tufted Titmouse (*Baeolophus bicolor*). *Wilson Journal of Ornithology*. In press.
- Baumgaertner, Bert, and Holthuijzen, Wieteke A. 2016. On non-epistemic values in conservation biology. *Conservation Biology*. DOI: 10.1111/cobi.12756.
- Holthuijzen, Wieteke A. 2016. Using soundscape ecology in design and function. *Contemporary Aesthetics*, Vol. 14 (2016). <http://www.contempaesthetics.org/newvolume/pages/article.php?articleID=750>.
- Holthuijzen, Wieteke A. "Lost and Found in the Sagebrush." *High Country News*, Oct. 15, 2012. <https://www.hcn.org/issues/44.17/student-essay-lost-and-found-in-the-sagebrush>.
- Holthuijzen, Wieteke A. and Maximilian, Jacqueline R. 2011. Dry, hot, and brutal: climate change and desertification in the Sahel of Mali. *Journal of Sustainable Development in Africa*, Vol. 13, No. 7. <http://www.jsd-africa.com/Jsda/Vol13No7-Winter2011A/PDF/Dry%20Hot%20and%20Brutal.Wieteke%20Holthuijzen.pdf>.
- Holthuijzen, Wieteke A. 2009. "Untitled." *She's Out There! The Next Generation of Presidential Candidates*. Sewell, Amy, Heather L. Ogilvie, and Robert A. Ripps. New York: Lifetime Media. (77-82). Print.

POPULAR WRITING

- Holthuijzen, Wieteke A. 2017. "Restoration in a Novel Environment." *Kupu Hawai'i Stories*. <http://www.kupuhawaii.org/restoration-novel-environment/>.
- Holthuijzen, Wieteke A. 2017. "Lessons learned in Conservation on Midway Atoll NWR: And a Hui Hou to One of Our Ohana." *Kupu Hawai'i Stories*. <http://www.kupuhawaii.org/lessons-learned-conservation-midway-atoll-nwr-hui-hou-one-ohana/>.
- Holthuijzen, Wieteke A. 2017. "The Next Wave... Pihemanu Prepares to Welcome the Future." *Kupu Hawai'i Stories*. <http://www.kupuhawaii.org/next-wave-pihemanu-prepares-welcome-future/>.
- Holthuijzen, Wieteke A. 2017. "Turning Over a New Leaf: Restoration of Midway Atoll." *Island Conservation Blog*. <https://www.islandconservation.org/restoration-midway-atoll/>.
- Holthuijzen, Wieteke A. 2017. "Mele Kalikimaka a Hau'oli –from Pihemanu!" *Kupu Hawai'i Stories*. <http://www.kupuhawaii.org/mele-kalikimaka-a-hauoli-makahiki-hou-from-pihemanu/>.
- Holthuijzen, Wieteke A. 2016. "E Komo Mai: Welcome to Kuaihelani, the Backbone of the Heavens." *Kupu Hawai'i Stories*. <http://www.kupuhawaii.org/e-komo-mai-welcome-kuaihelani-backbone-heavens/>.
- Multiple popular science blog posts about avian ecology, conservation biology, endangered species, and terrestrial ecosystems restoration from 2014-2017 on *Wing It Blog* (<http://wing-it-blog.weebly.com/>); editor and columnist for the Friends of Midway Atoll NWR bi-annual newsletter (*Gooney Gazette II*); regular contributor for "Notes from the Field" for the Oceanic Society's Adopt-an-Albatross Program.

PRESENTATIONS

Co-presenter/Laysan Duck Research Volunteer, USGS Pacific Island Ecosystems Research Center. "Reintroduction of Island Ducks *Anas laysanensis*." Friends of Hakalau Forest National Wildlife Refuge Public-Science Sponsored Presentation, Mokupāpapa Discovery Center (8/25/2015).

- Compiled slides about the ecology and basic life history of breeding and migratory birds found on Midway Atoll NWR (and listed species in the Northwestern Hawaiian Islands).
- Created slides about the military and natural history of Midway Atoll NWR as well as current Refuge management efforts, including basic protocols/overviews of seabird and Laysan Duck monitoring, ecosystem restoration, and avian botulism management.

Laysan Duck Research Volunteer, USGS Pacific Island Ecosystems Research Center (created presentation slides). "Translocation of Wild Laysan Teal to Kure Atoll: Species Conservation Overview and Update." Hawaii Conservation Conference, Papahānaumokuākea Symposium (8/5/2015).

- Developed slides with information and photos relevant to Laysan Duck historical accounts, natural history, ecosystem restoration efforts, and threats from avian botulism.
- Compiled slides detailing the 2014 translocation of Laysan Ducks from Midway Atoll NWR to Kure Atoll NWR and produced video clips about Laysan Duck foraging behavior differences between Midway and Kure Atolls.

Guest Lecturer. "Biodiversity: A Question of Value." University of Idaho, Environmental Philosophy Undergraduate course (10/7/2014).

- Outlined basic definitions and concepts related to biodiversity; described and gave examples of basic measures of biodiversity, including alpha, beta, and gamma diversity and common biodiversity indices (phylogenetic, function-based, structure-based).
- Presented a variety of ecological case studies that highlight important questions regarding biodiversity, values, and resource management practices.

Senior Thesis. "Stranger Danger: Interspecific Response of Selected Diurnal Passerines to Indirect Predator Alarm Calls in the Hudson Valley, New York." University of Idaho Innovation Showcase (4/16/2014); University of Idaho Environmental Science Undergraduate Senior Thesis Showcase (4/21/2014).

- Conducted paired playback recordings trials of the avian dusk chorus at the Cary Institute for Ecosystem Studies during May-July 2013.
- Determined responses of selected passerines (Veeries [*Catharus fuscescens*], Wood Thrush [*Hylocichla mustelina*], and Scarlet Tanagers [*Piranga olivacea*]) in terms of songs and calls to indirect predator alarm calls of the Eastern Tufted Titmouse (*Baeolophus bicolor*).
- Analyzed results of paired trials and provide possible explanations for responses as well as areas for further research in avian acoustic communication and soundscape ecology.

Bird Research Intern, Missouri Ozark Forest Ecosystem Project (MOFEP). Personal Research Project. "Abundance of Red-shouldered Hawks (*Buteo lineatus*) and Broad-winged Hawks (*Buteo platypterus*) as Potential Nest Predators among Different Forest Management Treatments." Missouri University Summer Undergraduate Research and Creative Achievements Forum. (7/27/2012)

- Utilized playback calls of Red-shouldered and Broad-winged Hawks for hawk surveys.
- Used hawk responses from survey to determine relative abundance of these two hawk species among six MOFEP sites treated with three different forest management techniques.
- Analyzed results of hawk survey and provided possible explanations and consequences of hawk abundance in relation to nest failure of Neotropical migrant passerines.

ACTIVITIES | ACADEMIC

- University of Idaho Logger Sports member (2014)
 - Competed in University of Idaho Lumberjack Classic 2014 and placed 3rd in women's choker race, 4th in women's axe throw, 4th in women's pole climb, and 6th in women's double buck.
- University of Idaho Sustainability Center: Grant recipient. Received \$3,000 to construct a semi-permanent hoop house for use on the University of Idaho's organic farm by the student organization, Soil Stewards, to grow organic produce and sell to the University of Idaho's campus dining provider for use in student meals on campus (October 2010-April 2011).
- University of Idaho French Conversation Group Member (2010-2014).
- Meridian School Board Presentation, Idaho Power Students for Energy Efficiency: Participant. Presented guidelines for greater energy efficiency at MVHS based on the results of an extensive energy audit of the school (2010).
- High School Senior Project: studied the 2007 Idaho Energy Plan and worked with the Idaho State Legislature to enact the energy plan (2010).

- Solar 4R Schools: School Project Champion. Wrote proposal, organized teacher meetings, gave presentations and submitted application to the Bonneville Environmental Foundation (BEF) to obtain photovoltaics system at MVHS (2007-2009).
- French Tutoring and Study Material (MVHS): Volunteer. Tutored students struggling with French and created French study guides and worksheets (2007, 2009).
- School Musical “Cinderella” (MVHS): Pit Orchestra Member (2007-2008).

ACTIVITIES | NON-ACADEMIC

- Pilates substitute teacher at the University of Idaho and Fit for Adventure (Boise, ID).
- Cellist in “The Thalweg” (local Moscow, Idaho folk music/Americana band); ukulele and electric bass player in “Sunny Side Up”
- Palouse Audubon Society (member 2012-2014).
- Humanists of the Palouse (member 2010-2014).
- 2010 Idaho Syringa Girls State: Governor.
- Idaho State House Energy, Environment and Technology Committee Testimonial: presented testimonial supporting implementation of the 2007 Idaho Energy Plan (3/2/2010).
- Idaho State Senate State Affairs Committee Testimonial: presented testimonial supporting implementation of the 2007 Idaho State Energy Plan (2/26/2010).
- Lobbying Event, Idaho State Capitol: Participant. Lobbied with the Idaho Energy Collaborative for implementation of the 2007 Idaho Energy Plan (2/15/2010).
- Book Signing Event for the book “She’s Out There! The Next Generation of Presidential Candidates,” A Novel Adventure Bookstore, Boise, Idaho: Essayist (9/26/2009).
- 2009 Idaho Syringa Girls State: Participant and Governor Elect.
- Idaho National History Day, Boise and Caldwell, Idaho: Regional Youth Exhibit Judge (2007-2008), State Junior Individual Exhibit Judge (2009), State Junior Group Exhibit and Individual Documentary Judge (2016).

SERVICE

FRIENDS OF MIDWAY ATOLL NWR (FOMA). BOARD MEMBER. (2015-PRESENT)

- Supporting Midway Atoll National Wildlife Refuge in its efforts to preserve, protect, and restore its biological diversity and historical resources.
- Coordinating efforts with Palmyra National Wildlife Refuge Energy Project Team to develop renewable energy sources on Midway Atoll NWR (specifically photovoltaic array expansion).
- Aiding with operations and projects on Midway Atoll NWR via creating communications materials, writing, submitting, and executing grants that relate to priority projects and programs on the Refuge and/or increasing capacity and outreach via the Friends group, and assisting with conservation efforts as initiated through the Refuge.
- Managing communications work and social media presence (Facebook, Instagram, etc.) to maintain connection with Midway Atoll NWR supporters and followers.
- Maintaining records of members, donation history, and other key aspects of data collection critical to non-profit organization management.

UNIVERSITY OF IDAHO SUSTAINABILITY CENTER. VOLUNTEER. (2010-2011)

Volunteer activities included the following:

- Vandal Football GameDay Tailgate Recycling: aided students and community during the tailgate to correctly sort and dispose of their recyclables.
- Food and Farm Composting Volunteer: helped students properly sort their food waste.
- “Get Rooted” Volunteer Activity: planted over 100 native species on campus to help increase biodiversity and stabilize soil.
- UISC Recycling Petition Signing Days Volunteer: encouraged students and staff to support the initiative for a permanent, campus-wide recycling program.
- Palouse Clearwater Environmental Institute. Volunteer. (2010-2014). Volunteer activities included the following:
 - Excavating ground for installation of benches for children education area.
 - Leading student trail crews and building new trail as well as maintaining existing trail.

THE PEREGRINE FUND WORLD CENTER FOR BIRDS OF PREY, BOISE, IDAHO. (2007-2010)

Volunteered at gift shop, interpretive center, and various events. Responsibilities included processing payments, donations, and membership purchases/renewals; maintaining and organizing the gift shop; aiding with events and educational activities in the interpretive center, such as interpretive tours.

F.I.R.E. UP (FIELD INQUIRY RESEARCH EXPERIENCE FOR STUDENTS) PROGRAM IN IDAHO: RESEARCHER/PARTICIPANT. (6/9/2008-6/17/2008)

- Completed an independent research project analyzing restoration efforts of a degraded stream bed (Dry Creek) through cross sections, vegetation cover, and bank stability.
- Collected data for the Homestead Bitterbrush/Sagebrush Survey to report on the success rate of the replanting and reestablishing of bitterbrush (*Purshia tridentata*) in areas burned by the Homestead Fire.
- Established baseline data for the restoration efforts on Dry Creek using stream vegetation, bank stability, and cross section as indicators.
- Collected data using Firemon Survey technology concerning vegetation coverage and species present in West Antelope, Owyhee Mountain Range.
- Prepared fire safety recommendations based upon collected Redzone Survey data in Oasis and Tipanuk communities to assess the quality and defensible space of various homes and buildings.

MISCELLANEOUS VOLUNTEER ACTIVITIES

- Breakthrough volunteer through United Way: Farmway Village, Nampa, Idaho (2009); Wilder, Idaho (2010).
- Paint the Town, Boise, Idaho: (2006-2010).
- Rake Up Boise, Idaho: (2006-2009).
- Boise Riversweep, Idaho: (2006-2008).
- Earthfest Boise, Idaho: (2006-2007).
- Boise Iron Man 70.3 Competition, Idaho: (2008-2009).

AWARDS, HONORS, AND SCHOLARSHIPS

2014 Outstanding Environmental Science and Water Resources Undergraduate Student
First Place 2014 Environmental Science Poster Competition
Phi Sigma (Beta Eta Chapter) Member (since May 2014)
Mayor's Earth Day Award 2014
Dean's List Fall 2010-Spring 2014
University of Idaho Alumni Award for Excellence (December 2013)
Udall Scholar (August 2013)
Phi Beta Kappa Member (since April 2013)
High Country News Student Essay Runner-Up: 3rd place (October 2012)
Wellgates International Distinguished Scholar Honor Roll (June 2012)
Wellgates International Distinguished Scholar (April 2012)
University of Idaho Outstanding Freshman of the Year/Valkyrie Award (April 2011)
National Society of Collegiate Scholars (NSCS) Member (since April 2011)
Phi Kappa Phi Member (since April 2011)
University of Idaho Honor's College Member (2010-2014)
Margrit von Braun Scholarship (2011-2013)
Idaho Power Scholarship (2010-2014)
Idaho Robert E. Lee Promise-B Scholarship (2010-2012)
Idaho Promise-A Scholarship (2010-2014)
University of Idaho Achievement Scholarship (2010-2011)
University of Idaho Presidential Scholarship (2010-2014)
2010 Idaho Syringa Girls State: Governor
Commencement speech MVHS Graduation Ceremony (6/3/2010)

Valedictorian MVHS (6/3/2010)

MVHS 2010 Senior Academic and Activity Awards: World Language- French; Social Studies; Idaho Power Distinguished Student Award

Certificate of Achievement in Energy Efficiency- Idaho Power Students for Energy Efficiency Program (2009/2010)

2009 Idaho Syringa Girls State: Governor Elect

F.I.R.E. Up (Field Inquiry Research Experience for Students): Guest Speaker (2009)

Drug Free Idaho, Inc.: Guest Speaker on the occasion of the Ten-Year Time Capsule Opening at the Starfish Ball (2009)

Capital Scholar- Boise State University (2009)

The United States Achievement Academy- Who's Who in Art (2009)

The National Society of High School Scholars (2008)

National Honor Society (2007-2010)

Mayor's Award to Youth 2006- Leaders of Today Saluting the Leaders of Tomorrow, Boise, Idaho

Mountain View High School Orchestra: 1st Chair, Cello Section (2007-2009)

Heritage Music Festival: 1st Place High School Orchestra Award (2008)

Excellent rating for cello solo at the Caldwell Fine Arts Music Festival (2009)

Excellent rating for cello solo at the Regional Solo and Ensemble Festival (2007)

Superior rating for cello solo at the Telford's and Sons Solo Festival (2006)

REFERENCES

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