

DR. SERRA J. HOAGLAND
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EDUCATION

Doctor of Philosophy in Forestry (May 2016)

Northern Arizona University, Flagstaff (NAU)

Specializations: Wildlife Conservation and Forest Management

Relevant Coursework: Forest Stand Dynamics, Forest Wildlife Ecology & Management, Fire Ecology & Management, Research Methods, Rangeland Ecology & Management, Seminar in College Teaching, Wetland Ecology & Management, Wildlife Habitat Relationships, Statistical Computing, Tribal Environmental Management, Ornithology, Teaching Practicum, Silviculture.

Dissertation title: An Assessment of Mexican Spotted Owl (*Strix occidentalis lucida*) Habitat on Tribal and Non-Tribal Lands in the Sacramento Mountain Range, New Mexico

Master of Environmental Science and Management (June 2011)

University of California, Santa Barbara (UCSB)

Specializations: Conservation Planning and Coastal Marine Resources Management

Relevant Coursework: Ecology of Managed Ecosystems; Landscape Ecology; Applied Population Ecology; Environmental Modeling; Coastal Marine Ecosystems; Climate Change Biology; Economics of Environmental Management; Biological Community Survey and Analysis; GIS

Thesis Group Project: Financial Manager; Ecology and Management of Oak Woodlands on Tejon Ranch: Recommendations for Conserving a Valuable California Ecosystem

Bachelor of Science in Ecology & Systematic Biology (June 2008)

California Polytechnic State University (Cal Poly), San Luis Obispo

Specialization: Marine Biology and Fisheries

Relevant Coursework: Wildlife Ecology and Management; Conservation Biology; Geology; Ecological Methodology; Forestry and Natural Resources; Field Botany; GIS; Ichthyology; Mammalogy; Herpetology; Aquaculture; Marine Biology; Genetics; Evolution; Ecology; Statistics; Chemistry; Calculus

PROFESSIONAL WORK EXPERIENCE

Liaison Officer 401 GS 11/12, US Forest Service, *USDA Rocky Mountain Research Station Missoula, MT*
Full time, permanent, maxi-flex work schedule, 40hrs per week, Jan 2017 – current

- USFS Liaison to Salish Kootenai College (SKC) and creates high level of awareness of SKC among USFS, Confederated Salish and Kootenai Tribes and other tribes, tribal colleges, and tribal entities
- Develops research and demonstration activities that enlists the collaboration of USFS R&D, other American Indian Higher Education Consortium institutions and federally recognized Native American tribes
- Recruits, mentors, supervises and evaluates Native American undergraduate and graduate students to support research on tribal lands
- Carried out technology transfer and extension programs and projects described in annual USFS/SKC plan of work

Biological Scientist 401 GS 9-04, US Forest Service, *USDA Southern Research Station Asheville, NC*
Full time, permanent, maxi-flex work schedule, 40hrs per week, Oct 2011 – Dec 2016

- Point of Contact (Liaison) for Southern Research Station tribal relations program
- Assisted senior scientists in research and development activities within the Eastern Forest Environmental Threat Assessment Center
- Recruited, mentored, and supervised Native American undergraduate and graduate students to support research on tribal lands
- Organized and implemented a large scale research project in collaboration with Mescalero Apache Indian Tribe
- Developed and conducted research projects, created partnerships and collaborated with tribal communities to address tribal natural resource research needs for sustainable management
- Engaged in technology transfer opportunities through webinars, meetings and trainings that inform natural resource professionals about the application of principles and techniques for sustainable resource management
- Assisted in creating a cooperative Native American Research Scholarship program between Southern Research Station and the Intertribal Timber Council. To date, over \$45,000 and 15 scholarships have been awarded
- Member Intertribal Timber Council Research sub-committee since 2015 as one of three USFS representatives

Wildlife Biologist 499 GS 7-01 (SCEP), US Forest Service, *USDA Lincoln National Forest, NM*
Full time, conditional, 40hrs per week, Jun 2010 – Sept 2010

- Conducted field surveys for Mexican spotted owls, Northern goshawks, Sacramento salamanders, Kuenzler cactus, Sacramento prickly poppy, and small mammal populations.
- Prepared biological assessments and evaluations, categorical exclusions and wildlife specialist reports for forest activities including prescribed burns, forest permitting and wetland development projects.

SUPERVISOR EXPERIENCE

- 2010-2011: Supervised and evaluated performance for 4 undergraduate students on a wildlife linkages project at UC Santa Barbara for 3 months each
- 2013-2015: Supervised and evaluated performance for 6 volunteers/technicians (2 Native) for 2 months each of field work at the Mescalero Apache Indian Reservation
- 2016-2017: Supervised, evaluated performance and created Safety Plans for 3 TWS/USFS Native American Research Assistants for 3 months each
- 2016-current: Serving as committee member for Lucas Molina MSF NAU student thesis entitled: Climate Change Projections and the Effects on Mixed Conifer Forests in Northern Arizona
- 2017-current: Supervise and evaluate performance for 3 GS-4 level work Resource Assistants through the RAP SKC/USFS joint partnership

ADDITIONAL WORK EXPERIENCE

Primary Investigator Wildlife Linkages Project, *CCBER UC Santa Barbara, CA* (Jan 2011 – Oct 2011)

- Analyzed and georeferenced hundreds of vertebrate specimens, developed a road kill monitoring regime, and located and assessed habitat linkages to improve habitat connectivity and conserve wildlife
- Acquired and managed external grants (UCSB Coastal Fund and Santa Barbara Foundation) to fund student research assistantships and all project expenses
- Recruited, mentored, supervised and evaluated student field crews

Teaching Assistant, University of California Santa Barbara, CA (Jan 2010 – Jun 2010)

- Courses: Geology 30 History of Life and Geology 7 Dinosaurs, Department of Earth Science.
- Taught 2-4 discussion sections per week with ~ 25 students per section.
- Presented topics including: prehistoric life, paleobiology, geology, biodiversity, and evolution.

Biological Technician, National Park Service, DOI Padre Island, TX (3/09-8/09)

Special Events Assistant, American Indian Health & Services Santa Barbara, CA (7/11-10/11)

Habitat Restoration Intern, Coal Oil Point Reserve Santa Barbara, CA (1/10-3/10 and 1/11-3/11)

Research Assistant, Kangaroo Rat and Intertidal Trampling Studies, Cal Poly, CA (5/07-11/07)

LEADERSHIP ROLES & AFFILIATIONS

Sustainable Forestry Initiative (SFI)

Nominated as External Review Panel member for 3 year term 2015-2018

American Indian Science and Engineering Society (AISES)

- Honored with Sequoia Fellowship in 2015 (lifetime membership valued at \$1,000)
- Scholarship Reviewer 2015
- *Winds of Change* Magazine Graduate Student Representative Editorial Board Member 2011-2015
- Honored with Group Achievement Award from UCSB 2010
- Received Recruitment and Retention Award at 2010 AISES National Conference
- Student Founding Chapter President at UC Santa Barbara 2009 – 2010
- Student Chapter President at Cal Poly 2006 – 2008
- Region 2: Regional Conference Committee Chair 2008

The Wildlife Society (TWS)

- Certified Wildlife Biologist (CWB)
- 2018 National Diversity Award Chair
- 2013-current Program Coordinator for the Native Student Professional Development Grant (lead and organized a budget plan for over 45 indigenous students)
- 2017 Annual Conference Field Trip Planning Subcommittee and Co-Chair of Local Engagement Subcommittee
- 2017 Organized half-day workshop at annual conference on: Mapping and Monitoring Wildlife Habitat Using Remotely Sensed Vegetation Phenology Measures
- 2016-2018 National Publications Award Committee
- The Wildlife Professional Editorial Advisory Board Member 2014-2016
- 2013 VP Nominations Committee
- 2012 Leadership Institute participant
- Women of Wildlife member since 2011
- Co-founding President of UCSB TWS Student Chapter
- Symposium Committee Chair and/or Moderator for National Conferences 2010 – 2012, 2014 – 2017
- Sec/Treasurer of Native Peoples Wildlife Management Working Group 2010 – 2015
- Chair-Elect of Native Peoples Wildlife Management Working Group 2015 – 2017
- Chair of Native Peoples Wildlife Management Working Group 2017 – 2019
- Native American Professional Development Grant recipient 2010 & 2011

Third Indian Forest Management Assessment Team (IFMAT III)

- Named one of three Native American Student Observers
- Visited 9 Indian reservations, Washington DC and 2 regional BIA offices with team to learn about forest management operations

- Assisted facilitation of 8 focus groups to better understand tribal member values and their satisfaction with current forest management on trust lands
- Assisted facilitation of 4 of Native American education focus groups to learn of challenges and opportunities for Native students in natural resource education programs
- Provided input and feedback to final assessment document
- Presented with team on findings at National Indian Timber Symposium in 2013 at Menominee

American Indian Graduate Student Alliance (AIGSA)

Member at UC Santa Barbara 2009 – 2011

American Indian Student Association (AISA)

Co-Chair 2010-2011; Member at UC Santa Barbara 2009 – 2011; Member at Cal Poly 2003 – 2008

Intertribal Timber Council (ITC)

Member 2008 – current; Research subcommittee co-Chair 2016-current

Native American Fish & Wildlife Society (NAFWS)

- Member 2012 – current
- Co-moderated student panel and a Traditional Ecological Knowledge panel and concurrent session at 2014 and 2015 SW regional meeting
- Moderated demonstration workshop on Woodlands Management at 2016 SW regional meeting
- Organized youth seminar event at 2017 SW regional meeting at Mescalero Hatchery

Society of American Foresters (SAF)

Student member 2013 – current; Co-Guest Coordinator and special issue Associate Editor for Special Issue on Tribal Forest Management anticipated publication date of Jan 2017.

AWARDS, HONORS and SPECIAL RECOGNITION (approx. \$202,250 for education)

- 2017 Diversity Award from The Wildlife Society
- First Native American to graduate from Northern Arizona University with PhD in Forestry
- Recognized as the third Native American female with a PhD in forestry for the US (ITC)
- NAU School of Forestry Harold Shulman Scholarship Recipient (\$1,500)
- First Place and People's Choice Student Poster Session at the Intertribal Timber Council (ITC) Annual Timber Symposium 2014 and 2015 (\$600)
- First Place 3 Minute Research Competition Spring 2014 (\$1,000)
- NAU Translating Forest Science Fellowship recipient NNF/AFRI 2012-2015 (~\$90,000 total stipend over 3 year period plus non-resident tuition waiver valued at approx. \$60,000)
- UC Santa Barbara University Service Award 2011
- Doris Duke Conservation Fellow 2010-2011 (1 year tuition waiver valued at approx. \$25,000)
- First Place student poster award at The Wildlife Society Annual Conference 2011
- American Indian Graduate Center Fellowship 2011 and 2012 (\$3,000 total)
- Educational Opportunity Program/AICRC Scholarship Recipient (\$250)
- Intertribal Timber Council Truman Picard Scholarship Recipient 2007, 2008 and 2009 (\$6,000 total)
- Catching the Dream Scholarship Recipient 2010 (\$800)
- American Indian Science & Engineering Society A.T. Anderson Memorial Scholarship Recipient 2006-2009 (\$4,500 total)
- American Indian Chamber of Commerce Scholarship Recipient 2008 (\$500)
- Native American Student Professional Development Grant Recipient provided by the Native Peoples Wildlife Management Working Group of The Wildlife Society 2010 and 2011 (\$4,000)
- Graduate Poster Presentation Honorable Mention at the AISES National Conference 2011 (\$100)

- Coastal Fund at UCSB Research Grant Recipient Winter and Spring Quarter 2011 (\$600)
- American Indian Science & Engineering Society-Raytheon partnership scholarship
- American Indian Science & Engineering Society student academic achievement scholarship recipient 2008 (\$200)
- Dean's List at Cal Poly, SLO Winter 2008 and Spring 2008
- Nominated as the Outstanding Graduating Ecology Student at Cal Poly, SLO 2008

POSTER AND ORAL PRESENTATIONS

2011

- *Assessing habitat linkages in coastal open spaces*; Montana Society for Conservation Biology Annual Chapter Meeting, Missoula, MT (oral)
- *Bridging the Gap and Building Partnerships: Involving the next generation*; 35th Annual Intertribal Timber Council Symposium, Carlton, MN (oral)
- *Assessing habitat linkages in coastal open spaces surrounding UC Santa Barbara*; The Wildlife Society – awarded Best Student Poster (poster)
- *Oak Woodland Ecology and Management: Recommendations for Conserving a Valuable California Ecosystem*; The Wildlife Society (poster)
- *The Nuts and Bolts of Applying to Grad School*; AISES National Conference (oral)
- *Oak Woodland Ecology and Management: Recommendations for Conserving a Valuable California Ecosystem*; AISES National Conference (oral)

2012

- *Ecology and Management of Oak Woodlands on Tejon Ranch: Recommendations for conserving a valuable California ecosystem*; California Native Plant Society Conference (oral)
- *Assessing habitat linkages in coastal open spaces*; UC Santa Barbara Bren School of Environmental Science & Management (oral)
- *Assessing Habitat Linkages in Coastal Open Spaces*; Arizona/New Mexico Joint Annual Meeting for The Wildlife Society (oral)
- *Proposed Assessment of Landscape Pattern and Forest Treatment Impacts on Mexican Spotted Owls and Fire Risk on the Lincoln National Forest and Mescalero Apache Indian Reservation*; National Indian Timber Symposium (oral)
- *Effects of landscape pattern and forest treatments on spotted owl occupancy and fire risk*; AISES National Conference – Received honorable mention award for presentation (oral)
- *Adapt-a-chapter*; AISES National Conference (oral)
- *Effects of landscape pattern and forest treatments on Mexican spotted owls and fire risk: Comparing Indian Forests to National Forests*; Returning Fire to the Land: Traditional Ecological Knowledge and Fire Workshop (poster)

2013

- *Proposed assessment of forest treatment effects on Mexican spotted owl occupancy using Tribal information*; Arizona/New Mexico Joint Annual Meeting for The Wildlife Society (oral)
- *Forest treatments, Mexican spotted owl recovery and Tribal information management*; Native American Fish & Wildlife Society Meeting (oral)

- *Template for Climate Change Impacts and Management Options (TACCIMO) Training*; United Southern and Eastern Tribes (oral)
- *Indian Forest Management Assessment Team (IFMAT) III*; National Indian Timber Symposium (oral)
- *Wildlife Ecology Certificate Informational Session*; Northern Arizona University Centennial Forest Campout (oral)
- *Indian Forestry*; Cal Poly INRE Launch Event (oral)
- *Women's Increasing Roles in the Wildlife Profession: Understanding Differences and Leveraging Strengths: What makes an employer, an employer of choice? ;* The Wildlife Society (oral)
- *Recruitment and Retention of Tribal Youth as Future Management Leaders*; Society of American Foresters (oral)

2014

- *Landscape-scale assessment of Mexican spotted owl nesting habitat using MODIS imagery*; Arizona/New Mexico Joint Annual Meeting for The Wildlife Society (oral)
- *Recruitment and Retention of Tribal Youth in Natural Resource Management*; Kaibab National Forest Leadership Team Meeting (oral)
- *Tribal Natural Resource Management & Traditional Ecological Knowledge (TEK)*; Northern Arizona University School of Forestry Semester B Guest Lecture (oral)
- *Being Anchored in a STEM Field*; AISES Leadership Summit (oral)
- *Ecosystem Management*; Northern Arizona University School of Forestry Semester B Guest Lecture (oral)
- *Indian Forest Management & USFS Science: Combining Traditional Ecological Knowledge with new USFS Research and Development tools*; To Bridge A Gap (oral)
- *Energy Development and Wildlife*; Northern Arizona University School of Forestry Semester B Guest Lecture (oral)
- *Landscape-scale assessment of Tribal and USFS Mexican spotted owl nesting habitat using MODIS imagery*; National Indian Timber Symposium – awarded First Place and People's Choice (poster)
- *Trends in Traditional Ecological Knowledge Publishing*; Native American Fish & Wildlife Society Southwestern Sectional meeting (oral)
- *Advanced ForWarn Training for the Menominee Nation*; USDA Forest Service EFETAC (virtual oral)
- *Tribes, Treatments and Owls*; Northern Arizona University 3 Minute Research Presentation (oral)
- *Tribes, Treatments and Owls*; International Union for Forest Research Organizations (IUFRO) Incubator session 3 Minute Research Presentation (oral)
- *Characterizing and Comparing Mexican Spotted Owl Nesting habitat*; Society of American Foresters (poster)
- *Investing in the next generation of Indian Foresters*; International Union for Forest Research Organizations (IUFRO) (oral)
- *Learning from our ancestors*; Central Coast Bioneers Annual Meeting (oral)
- *Investing in the Next Generation of Native American Wildlife Professionals*; The Wildlife Society (oral)

2015

- Guest presentation to National Advanced Silviculture Program participants, Landscape Ecology Module
- *Indigenous perspectives in watershed restoration*, NAU Watershed restoration class guest lecture
- *Human side of Restoration: TEK*, Webinar through the Rocky Mountain Research Station
- *Traditional Ecological Knowledge and Tribal Natural Resource Management*, NAU Forestry undergraduate course
- *Characterizing and Comparing Mexican Spotted Owl Nesting habitat*, NAU Graduate student poster Session
- *Traditional Ecological Knowledge*, NAU summer ecology course
- *Cultural Resource Management*, NAU undergraduate anthropology course
- *Owls, treatments and tribes*, Intertribal Timber Council student 3 minute presentation
- *College is your time to shine*, San Carlos Apache tribal youth practicum
- *Planning for the next generation of Tribal Natural Resource Managers*, Symposium panel discussion at the Native American Fish & Wildlife Society SW meeting
- *Stand characteristics in Mexican spotted owl breeding areas on the Mescalero Apache Indian Reservation*, Native American Fish & Wildlife Society SW meeting
- *Integrating Native and Western Science into University Programs*, Native American Fish & Wildlife Society SW meeting
- *Recruitment and retention of Native students in natural resources*, Canadian Institute of Forestry Annual General Meeting
- *Wildlife Research Opportunities and Tribal Wildlife Management*, The Wildlife Society NAU student chapter
- *Traditional Ecological Knowledge*, NAU Environmental Sustainability Undergraduate course
- *TEK Applications in Indian Forestry: a model for forest stewardship and environmental sustainability*, Colorado Plateau Biennial Conference
- *Characterizing and Comparing Mexican spotted owl nesting habitat using MODIS imagery*, American Indian Science & Engineering Society Annual Conference

2016

- *Characterizing and comparing tribal and non-tribal MSO habitat using remote sensing and Stand conditions of tribally managed MSO breeding areas*, Regional Mexican Spotted Owl Workshop hosted by ERI for Multiparty Monitoring Board.
- *Women of Wildlife at Work* Panelist at the Joint Annual Meeting of AZ/NM State Chapters of The Wildlife Society
- *Multiscale analysis of Mexican spotted owl breeding site selectivity vs adjusted reproduction indexes (ARPI)*, Joint Annual Meeting of AZ/NM State Chapters of The Wildlife Society
- *Southern Research Station Tribal Engagement* Co-presented at To Bridge A Gap Conference (poster)
- *An assessment of Mexican spotted owl habitat on tribal and non-tribal lands in the Sacramento Mountains*, NM Dissertation defense
- *Traditional Ecological Knowledge*, NAU Environmental Sustainability Undergraduate course
- *Handling Microaggressions in the Workplace*, The Wildlife Society annual conference (oral)
- *Assessing Mexican spotted owl habitat from space*, The Wildlife Society annual conference (oral)

- *Women and minorities in wildlife sciences – a Native American perspective*, The Wildlife Society annual conference (oral)
- *Integrating Traditional Ecological Knowledge in Forest Research and Decision Making*, Forestry Research Advisory Committee (FRAC) Oct
- *All our relations need YOU* – Natural Resource Career Track invited guest presentation, New Mexico State University, Las Cruces
- *A Native American perspective. What are traditional Native American female and male roles with wildlife?* The Wildlife Society Annual Conference (invited oral)

2017

- *Traditional ecological knowledge and tribal forest management* Purdue University seminar (invited oral)
- *The value of tribal forestry to our profession* University of Florida, Natural Resources Diversity Initiative (invited oral)
- *Fire Ecology and Traditional Ecological Knowledge* Fire Ecology course at Northern Arizona University (invited oral)
- *Keynote: All our relations need you!* AISES Region 3 conference (invited oral)
- *A summary of Mexican spotted owl research on the Mescalero Apache Indian Reservation*, NM Native American Fish & Wildlife Society SW Regional meeting (offered oral)
- *An assessment of Mexican spotted owl habitat on tribal and non-tribal lands* American Indian Science & Engineering Society national conference (offered oral)

2018

- *Mexican spotted owls and the Mescalero Apache in Humanity for Habitat- Success stories for birds and people symposium* American Ornithological Society meeting in Tucson (invited oral)
- *Traditional Ecological Knowledge and Applications to Wildlife Management* Invited guest lecture in Intro to Fish and Wildlife Management course at Salish Kootenai College (invited oral)
- *A summary of Mexican spotted owl research on the Mescalero Apache Indian Reservation*, NM Rocky Mountain Research Station Fire Lab seminar series (invited oral)

ACADEMIC/RESEARCH PAPERS

- Publications:
 - Primary Invited Author of chapter in Wildlife Professions Textbook on Position Description of a Biological Scientist with the UDSA Forest Service
 - Co-Author of invited chapter in Wildlife Professions Textbook on Diversity within Wildlife Profession
 - Invited Co-Author of chapter in 8th edition of Wildlife Techniques Textbook (in prep)
 - Invited Primary Author of chapter on Indigenous peoples in Boone and Crocket Textbook on Wildlife Law and Policy (in review)
 - Journey, D. and **S. Hoagland**. 2015 Bridging the Gaps that Divide. *Journal of Forestry* 113(2): 271-272.
 - **Hoagland, S.J.** 2017. Integrating Traditional Ecological Knowledge with Western Science for Optimal Natural Resource Management. *Indigenous Knowledge: Other Ways of Knowing* 3(1): 1-15. <https://doi.org/10.18113/P8ik359744>
 - **Hoagland, S.J.**, Miller, R., Waring, K. and O. Carroll. 2017. Tribal Lands provide Forest Management Laboratory for Mainstream University Students. *Journal of Forestry* 115(5): 484-490. <https://doi.org/10.5849/jof.2016-064R1>
 - Gervais, B., Voirin, C., Beatty, C., Bulltail, G., Defrance, S., Dorame, B., Gutterierz, R., Hastings, L., Lackey, J., Lupe, C., Victor, M., Yazzie, K., Long, J. and **S. Hoagland**.

- Native American Student Perspectives of Challenges in Natural Resource Higher Education. *Journal of Forestry* 115(5): 491-497. <https://doi.org/10.5849/jof.2016-065R1>
- Gervais, B., **Hoagland, S.** and A. Leighton. 2014. Tribal Colleges and Universities. *Evergreen Magazine* Forestry in Indian Country: Solving Federal Forestry's Rubik's Cube.
 - **Hoagland, S.** 2014. Investing in the Next Generation of Indian Foresters. *Evergreen Magazine* Forestry in Indian Country: Solving Federal Forestry's Rubik's Cube
 - **Hoagland, S.** 2016. An assessment of owl habitat on tribal and non-tribal lands. Dissertation Northern Arizona University. 226p.
 - **Hoagland, S.** Tribes, Wildlife and Forests: A model for stewardship of interconnected values and practices. *The Wildlife Professional* Nov/Dec 2016 issue.
 - **Hoagland, S.**, Beier, P. and D. Lee. 2017. Using MODIS NDVI phenoclasses and phenoclusters to characterize wildlife habitat: Mexican spotted owl as a case study. *Forest Ecology and Management*. (in press)
 - Dockry, M.J. and **S.J. Hoagland.** 2017. A Special Issue of the Journal of Forestry – Tribal Forest Management: Innovations for Sustainable Forest Management. *Journal of Forestry* 115(5):339-340. <https://doi.org/10.5849/JOF-2017-040>
 - Graduate student observer for Gordon, J., J. Sessions, J. Bailey, D. Cleaves, V. Corrao, A. Leighton, L. Mason, M. Rasmussen, H. Salwasser, and M. Sterner. 2013. *Assessment of Indian forests and forest management in the United States*. Available online at: http://www.itcnet.org/issues_projects/issues_2/forest_management/assessment.html last accessed June 16, 2016.
 - Contributor to *Philosophy, Tradition, and Environmental Ethics: Connecting Indigenous Students to the Plant Tribes in the Tall Grass Plains* *American Academy of Religion* (Martin & Garrett 2008)
 - Invited Co-author on Tribal/Cultural uses of Forests for RPA Forest Resources chapter 2016

WEB INTERVIEWS, BLOGS, MAGAZINE ARTICLES, ETC

- Messengers: The owls of Mescalero <https://vimeo.com/243126806>
- Will forest thinning and burning save Mexican spotted owls, or harm them <https://treesource.org/news/biodiversity/mexican-spotted-owls-forests/>
- AISES Winds of Change spotlight on Serra Hoagland 2010
- Cal Poly Alumni Page <http://bio.calpoly.edu/content/alumni>
- Wildlife Linkages Santa Barbara news <http://www.independent.com/news/2011/dec/01/where-do-all-bobcats-go/>
- Flagstaff Business News June 2014 <http://www.flagstaffbusinessnews.com/student-scientist-studying-mexican-spotted-owl/>
- National Inquire: Research Scientist Card available online at <http://www.naturalinquirer.org/UserFiles/File/sjhoagland.pdf>
- Women of Wildlife Panel CompassLIVE 2016 <http://www.srs.fs.usda.gov/compass/2016/03/09/panelists-bring-wow-factor-to-womens-workplace-challenges-and-solutions/>
- Native American students selected for research assistantships <http://wildlife.org/native-american-students-chosen-for-research-program/>
- CompassLIVE 2016 <http://www.srs.fs.usda.gov/compass/2016/08/17/serra-hoagland-milestone-achievements/>
- CompassLIVE 2016 <http://www.srs.fs.usda.gov/compass/2016/06/20/a-graduation-milestone-and-a-special-gift-honor-a-fathers-wisdo/>
- Faces of the Forest Service <http://www.fs.fed.us/blogs/meet-serra-hoagland>

- Podcast for special issue for the Journal of Forestry on tribal forest management <https://www.eforester.org/Main/Library/JOF/Podcasts.aspx>
- Invited congressional staff briefing with Robert MacGregor 2016
- Increasing Native American participation in wildlife field <http://www.wildlife.org/increasing-native-american-participation-in-wildlife-field/>
- Wildlifer recognized for promoting native diversity <http://wildlife.org/wildlifer-recognized-for-promoting-native-diversity/>
- Meet Biological Scientist Serra Hoagland <https://www.youtube.com/watch?v=82zDQRA4jLI>
- Recruiting next generation of Native American wildlifers <http://wildlife.org/recruiting-next-generation-of-native-american-wildlifers/>
- Encouraging Tribal Youth to Becoming Future Leaders in Resource Management <http://www.cif-ifc.org/wp-content/uploads/2015/09/Serra-Hoagland.pdf>
- First place winner 3Minute Research Presentation <https://www.youtube.com/watch?v=xSWoMRjNK6I>
- Serra Hoagland talks about the importance of prescribed burning <https://vimeo.com/142415269>
- The Wildlife Professional spotlight on Serra Hoagland Sept/Oct 2016 issue

ADDITIONAL SKILLS

Computers: Proficient with ArcGIS and Microsoft Office Suite; competent in R and SAS statistical programs, Circuitscape tools, Landis, Fragstats, and ENVI. US Forest Service certified trainings: Red card certified for wildland fire 2014. Level 1 Horsemanship, ATV and snowmobile certified, CPR/First Aid certified 2013, trailer towing certification and Defensive Driving Certified 2012. Able to operate 4WD/off-road vehicles in adverse road and weather conditions. Familiar with common wildlife (necropsy, camera traps, small mammal and bird handling techniques, small mammal traps, Mexican spotted owl occupancy and reproduction survey protocol) and forestry techniques (i.e. general stand exams such as use of densitometer for canopy cover estimates, brown fuels transects, tree identification, plot photos). Intermediate Spanish skills (written and oral).

REFERENCES

Colin Hardy, USDA Forest Service (current USFS supervisor)

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Larry Cordova, USDA Forest Service (previous USFS supervisor)

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Other non-USFS references:

Paul Beier, Northern Arizona University

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Kate Martin, Cal Poly San Luis Obispo

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Frank Davis, UC Santa Barbara

Phone (805) 893-3438

Don Motanic, Intertribal Timber Council

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Francis Villablanca, Cal Poly San Luis Obispo

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Bill Hornsby, BIA Mescalero Agency
John Gordon, Retired Yale University
Gary Morishima, Quinault tribal forestry

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