

CURRICULUM VITAE

Vincent A. Slabe
Postdoctoral Wildlife Research Biologist
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EDUCATION

<u>Institution</u>	<u>Degree</u>	<u>Year Graduated</u>
West Virginia University Dissertation title: Lead in North American Raptors	Ph.D.	July 2019
University of Illinois Professional paper title: An Initial Assessment of Dispersed Camping Impacts on the Helena National Forest	M.S.	December 2005
University of Illinois	B.S.	December 2000

AREAS OF SPECIALIZATION

Raptor Ecology, Conservation Biology, Toxicology, Statistical Analysis of Toxicology Data

PROFESSIONAL / RESEARCH EXPERIENCE

2020-Present, Postdoctoral Wildlife Research Biologist, Conservation Science Global, Bozeman, MT
2020-Present, Associate Editor, Journal of Raptor Research
2015-2019, Graduate Research Assistant, Division of Forestry and Natural Resources, West Virginia University, Morgantown WV
2011-2014, Wildlife Biologist, Catena Consulting, Billings, MT
2006-2013, Wildlife Biologist / Sub-Permitted Raptor Bander, Raptorview Research Institute, Missoula, MT
2007-2014, Wildlife Biologist / Sub-Permitted Raptor Bander, Craighead Beringia South, Kelly, WY
2010, Biological Science Technician, United States Forest Service, Six Rivers National Forest, Eureka, CA
2009, Biological Science Technician, United States Forest Service, Redwood Sciences Laboratory, Arcata, CA
2008-2009, Biological Science Technician, Bureau of Land Management, Roseburg, OR
2007, Biologist, University of California Santa Cruz, Predatory Bird Research Group, Santa Cruz, CA
2006, Research Assistant, California Department of Fish and Game, Fresno State University, Monterey, CA
2005-2006, Wildlife Field Technician, Idaho Department of Fish and Game, Coeur d'Alene, ID
2004-2005, Biological Science Technician, United States Forest Service, Helena National Forest, Helena, MT
2004, Rare Carnivore Field Technician, Wild Things Unlimited, Bozeman, MT
2003-2004, Teacher Naturalist, Glacier Institute, Kalispell, Montana
2001-2003, Graduate Research Assistant, University of Illinois, Department of Parks, Recreation, and Tourism, Champaign, IL
2002, Supervisory Research Assistant, Illinois Natural History Survey, Champaign, IL
2000, Intern, United States Fish and Wildlife Service, Pea Island National Wildlife Refuge, Manteo, NC

PEER-REVIEWED PUBLICATIONS

11. **Slabe, V.A.** et al. 2021. Demographic implications of lead poisoning for eagles across North America. *Science*. Accepted.
10. Garvin, J.C., **V.A. Slabe**, and S.F. Cuadros Díaz. 2020. Conservation Letter: Lead Poisoning of Raptors, *Journal of Raptor Research*, <https://doi.org/10.3356/0892-1016-54.4.473>
9. **Slabe, V.A.**, J.T. Anderson, J. Cooper, T.A. Miller, B. Brown, A. Wrona, P. Ortiz, J. Buchweitz, D. McRuer, E. Dominguez-Villegas, S. Behmke, and T. Katzner. 2020. Feeding ecology drives lead exposure of facultative and obligate avian scavengers in eastern North America. *Environmental Toxicology and Chemistry*. <https://doi.org/10.1002/etc.4680>
8. **Slabe, V.A.**, J.T. Anderson, J. Cooper, A. Wrona, P. Ortiz, J. Buchweitz, D. McRuer, and T. Katzner. 2019. Lead exposure of red-shouldered hawks during the breeding season in the central Appalachians, USA. *Bulletin of Environmental Contamination and Toxicology*, 103(6), pp. 783-788.
7. **Slabe, V.A.**, J.T. Anderson, J. Cooper, B. Brown, P. Ortiz, J. Buchweitz, D. McRuer, and T. Katzner. 2019. Lead in piscivorous raptors during breeding season in the Chesapeake Bay region of Maryland and Virginia, USA. *Environmental Toxicology and Chemistry*. <https://doi.org/10.1002/etc.4376>
6. Jensen, M.K., S.D. Hamburg, C.T. Rota, D.F. Brinker, D.L. Coles, M.A. Manske, **V.A. Slabe**, M.J. Stuber, A.B. Welsh, and T.E. Katzner. 2018. An improved mechanical owl for efficient capture of nesting raptors. *Journal of Raptor Research*. <https://doi.org/10.1002/etc.4376>
5. Crandall, R.H., D.J. Craighead, B. Bedrosian, and **V.A. Slabe**. 2018. Causes of mortality and estimation of adult and pre-adult golden eagle (*Aquila chrysaetos*) survival in south-central Montana. *Journal of Raptor Research*. <https://doi.org/10.3356/JRR-18-22>
4. Katzner, T.E., M.J. Stuber, **V.A. Slabe**, J. T. Anderson, J. L. Cooper, L.L. Rhea & B. A. Millsap. 2017. Origins of lead in populations of raptors. *Animal Conservation*, 21(3), pp. 232-240.
3. Franzen-Klein, D., D. McRuer, **V.A. Slabe** & T. Katzner. 2017. The use of lead isotope analysis to identify potential sources of lead toxicosis in a juvenile bald eagle (*Haliaeetus leucocephalus*) with numerous ventricular foreign bodies. *Journal of Avian Medicine and Surgery*, 32(1), pp. 34-39.
2. Domenech, R., B. Bedrosian, R. Crandall, & **V.A. Slabe**. 2015. Space Use and Habitat Selection by Adult Migrant Golden Eagles Wintering in the Western United States. *Journal of Raptor Research*, 49(4), pp.429-440.
1. Langner, H.W., R. Domenech, **V.A. Slabe**, and S.P. Sullivan. 2015. Lead and Mercury in Fall Migrant Golden Eagles from Western North America. *Archives of Environmental Contamination and Toxicology*, 69(1), pp.54-61.

FELLOWSHIPS, GRANTS AND RESEARCH FUNDING

10. American Eagle Foundation, 2021, Eagle Nest Monitoring and Non-lead Ammunition Voucher Program in Park and Sweet Grass Counties, MT. \$20,000
9. AMB West Philanthropies, 2021, Eagle Nest Monitoring and Non-lead Ammunition Voucher Program in Park and Sweet Grass Counties, MT. \$35,000
8. National Fish and Wildlife Foundation. 2020. Non-lead Ammunition Distribution Programs to Offset Golden Eagle Mortalities in Wyoming. \$255,000
7. American Eagle Foundation. 2018. Quantifying Lead Abatement Strategies to Advance Mitigation Options for Bald Eagles in the Atlantic Flyway. \$20,000.
6. Raptor Research Foundation Koplín Travel Award, Kruger National Park, South Africa. 2018. \$500
5. Robert H. Maxwell Memorial Travel Endowment For Travel To Africa. 2018. \$1,000
4. West Virginia University Outstanding Merit Fellowship for Continuing Doctoral Students. 2018. \$18,000.
3. American Eagle Foundation. 2018. Assessing Lead Exposure of Bald Eagles Nationwide. \$7,000.
2. American Eagle Foundation. 2017. Assessing Lead Exposure of Bald Eagles Nationwide. \$17,990.
1. Great Lakes Network Inventory and Monitoring Plan. 2017. Assessing Lead Exposure of Bald Eagle Nestlings in the Upper Great Lakes. \$7,000.

PROFESSIONAL PRESENTATIONS

21. **Slabe, V.A.** et al. 2021. Demographic implications of lead poisoning for eagles across North America. Raptor Research Foundation Annual Conference, Boise, ID (virtual).
20. Crandall, R., **Slabe, V.A.**, Miller, T., Duerr, A., Braham, M., Katzner, T., and J. Anderson. 2021. Testing the Efficacy of non-lead ammunition to offset golden eagle mortalities at wind farms. Raptor Research Foundation Annual Conference, Boise, ID (virtual).
19. Finkelstein, M., V. Bakker, **V. Slabe**, C. Triana, P. Bloom, R. Crandall, R. Domenech, B. Smith, M. Lockhart, D. Driscoll, T. Miller, J. Cooper and T. Katzner. 2019. Feathers indicate Golden Eagles (*Aquila chrysaetos*) are lead poisoned more frequently, and to higher levels, than is evident in blood. Raptor Research Foundation Annual Conference, Ft. Collins, CO.
18. **Slabe, V.A.**, J.T. Anderson, J. Cooper, T.A. Miller, B. Brown, A. Wrona, P. Ortiz, J. Buchweitz, D. McRuer, E. Dominguez-Villegas, S. Behmke, and T. Katzner. 2019. Feeding ecology drives lead exposure of facultative and obligate avian scavengers in eastern North America. Raptor Research Foundation Annual Conference, Fort Collins, CO.
17. Katzner, T.E. & **V.A. Slabe**. 2019. Lead in wildlife. Idaho Chapter of The Wildlife Society. Boise, ID.
16. **Slabe, V.A.**, J.T. Anderson, B. Millsap, A.R. Harmata, M. Restani, J. Cooper, K. Rogers, P.H. Bloom, R. Domenech, R. Crandall, B. Smith, M. Lockhart, D. Driscoll, T. Booms, D. McRuer, E. Dominguez-Villegas, B. Bodenstern, T. Ortiz, & T. Katzner. 2018. Continental-scale patterns of lead exposure of facultative avian scavengers. Raptor Research Foundation Annual Conference. Kruger National Park, South Africa.
15. **Slabe, V.A.** & Katzner, T.E. 2018. Lead poisoning of wildlife. Association of Fish and Wildlife Agencies Annual Meeting, Tampa, FL.
14. Katzner, T.E., L. Rhea, **V.A. Slabe**, J. Anderson, M. Stuber & B. Millsap. 2017. Origins of

- lead in populations of raptors. Raptor Research Foundation Annual Meeting, Salt Lake City, UT.
13. Katzner, T.E., L. Rhea, **V.A. Slabe**, J. Anderson, M. Stuber & B. Millsap. 2017. Origins of lead in populations of raptors. Snake River Birds of Prey National Conservation Area Symposium. Boise, Idaho
 12. **Slabe, V.A.** 2017. Blood lead levels of eastern golden eagles. Eastern Golden Eagle Working Group, Chattanooga, Tennessee
 11. **Symposium Organizer:** Lead and Raptors. Annual Meeting of the Raptor Research Foundation. 2016. Cape May, New Jersey
 10. **Slabe, V.A.**, R. Domenech, H. Langner, S. Sullivan. Blood lead levels of fall migrant golden eagles captured in Montana. Annual Meeting of the Raptor Research Foundation. 2016. Cape May, New Jersey
 9. Barger, C., T. Booms, T. Katzner, **V.A. Slabe**. 2016. Blood lead levels of golden eagles captured in Alaska, implications and possible sources. Raptor Research Foundation Annual Conference. Cape May, New Jersey
 8. Barger, C., T. Booms, T. Katzner, **V.A. Slabe**. 2016. Blood lead levels of golden eagles captured in Alaska, implications and possible sources. Alaska Bird Conference Annual Meeting. Cordova, Alaska
 7. **Slabe, V.A.**, J. Cooper, D. McRuer & T. Katzner. 2016. Blood lead levels of piscivorous raptors in the coastal plain of Virginia. Raptor Research Foundation Annual Conference. Cape May, New Jersey
 6. Shreading, A., B. Bedrosian, R. Domenech, M. Hayes, and **V.A. Slabe**. 2016. Golden eagle migration corridors along the rocky mountain front and intermountain flyways. Montana Chapter of the Wildlife Society Annual Conference. Missoula, Montana
 5. Bedrosian, B., R. Domenech, A. Shreading, M. Hayes, **V.A. Slabe**, & S. Wilson. 2015. Golden eagle migration corridors along the rocky mountain front and intermountain flyways. Raptor Research Foundation Annual Conference. Missoula, Montana
 4. **Slabe, V.A.**, A.R. Harmata, M. Restani, B. Millsap, J. Cooper, J.T. Anderson & T. Katzner. 2015. Nationwide blood lead levels of North American golden eagles. Raptor Research Foundation Annual Conference, Sacramento, California
 3. **Slabe, V.A.** 2015. Nationwide lead levels of bald and golden eagles. Eastern Golden Eagle Working Group, Rangeley, Maine
 2. **Slabe, V.A.**, R. Domenech, H. Langner. 2011. Blood lead levels of fall migrant golden eagles in west-central Montana. Montana Chapter of the Wildlife Society. Missoula, Montana
 1. **Slabe, V.A.**, R. Domenech, D. Ellis. 2011. Determining sex in golden eagles using foot displacement. Montana Chapter of the Wildlife Society. Missoula, Montana

COURSES AND INVITED LECTURES

9. Lead Poisoning of Raptors: Causes, Concerns and Mitigation Strategies, Webinar, Hawk Mountain Sanctuary, October 2020.
8. Lead Exposure of Golden Eagles. Guest Speaker for the Livingston Rod and Gun Club. March 2020.
7. Harnessing Raptors with Transmitters Workshop. Instructor. Raptor Research Foundation Annual Conference, November 2019.
6. Lead Exposure of Raptors. Invited Speaker for the Mountaineer Audubon Society, March 2019.
5. Lead Exposure of Raptors. Invited Speaker for the West Virginia University Student Chapter of

The Wildlife Society, November 2018.

4. Avian Trapping Techniques. Guest lecturer for WVU Wildlife Techniques Class, October 2016.
3. Avian Survey Methodologies. Guest lecturer for WVU Ornithology Class, April 2016
2. Nationwide lead levels of bald and golden eagles. Invited Speaker for Juniata College Student Chapter of The Wildlife Society, February 2016.
1. Raptorview Research Institute – An overview of research projects. Invited Speaker at Bridger Raptor Fest, October 2014

REPORTS

6. Bedrosian, B., **V. A. Slabe**, R. Crandall, & S. Wilson. 2013. Golden Eagle Seasonal Abundance and Distribution in BCR 17 (eastern Montana and western Dakotas) Craighead Beringia South, 2013 Year-End Report. 2013
5. Bedrosian, B., **V.A. Slabe**, & S. Wilson. Golden Eagle Nesting Surveys in Areas of Interest for Wind Development. Craighead Beringia South. 2013
4. Bedrosian, B., D. Craighead, R. Crandall, M. Ruehmann, **V.A. Slabe**. Sage-Grouse Completion Report: 2007-2009 - Report on Craighead Beringia South Sage Grouse Study. 2010
3. **Slabe, V.A.**, Herrera, P.A. Eddy Gulch late-successional reserve northern spotted owl, northern goshawk, and landbird survey report 2009. Arcata, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Redwood Sciences laboratory. 2009
2. **Slabe, V.A.**, Herrera, P.A., Miller, S. Orleans Cedar, Orleans Community Fuels Reduction and Forest Health, and Waterman West projects: northern spotted owl, northern goshawk, marbled murrelet, and landbird survey report 2009. Arcata, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Redwood Sciences Laboratory. 2009
1. **Slabe, V.A.** An initial assessment of dispersed camping impacts on the Helena National Forest. U.S. Department of Agriculture, Forest Service, Helena National Forest. 2006

PHOTOGRAPHIC CONTRIBUTIONS

1. 2015. “Eagle versus porcupine: Camera snaps a painful face-off”, Science Magazine
2. 2018. “Hunting while black”, Parts Unknown

BIOLOGISTS SUPERVISED

<u>Biologists/Interns</u>	<u>Research Topic</u>	<u>Institution</u>
Bracken Brown	Lead in avian scavengers 2015 – 2017	West Virginia University Morgantown, WV
Anna Wrona	Lead in avian scavengers 2016 – 2017	West Virginia University Morgantown, WV
Meghan Jensen	Lead in avian scavengers 2017	West Virginia University Morgantown, WV
Mark Melham	Lead in avian scavengers 2016	West Virginia University Morgantown, WV
Crew of 2	Wind farm bio-assessments 2011-2013	Catena, Consulting Billings, MT
Crew of 3	Eastern MT Eagle Project 2013-2014	Craighead Beringia South Bozeman, MT

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Crew of 5	Western MT Eagle Project 2008 - 2013	RVRI Lincoln, MT	
Crew of 2	Spotted Owl Demography 2009	Redwood Sciences Lab Arcata, CA	
Crew of 2	Teton Sage Grouse Project 2007-2008	Craighead Beringia South Kelly, WY	
Crew of 3	Hunter Surveys 2002	University of Illinois Champaign, IL	

SPECIAL SKILLS

- Coordinating and training volunteers and interns to complete scientific research.
- Landowner contact and communication to gain access for biological assessments.
- Presenting to and engaging the general public in scientific research.
- 15 years of banding, deploying telemetry, and harvesting blood from birds of prey.
- 3 years of working in a laboratory preparing biological samples for elemental analyses.
- Surveying for rare wildlife in remote wilderness settings.