

Robert B. Powell
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Director, Institute for Parks
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EDUCATION

- 2005 Ph.D., Forestry and Environmental Studies (Social Ecology), Yale University, New Haven, CT.
Dissertation with Distinction: *Nature-based tourism within protected areas: Effects of participation on knowledge, attitudes, values, and behaviors and the factors that influence these outcomes.*
Advisor: Dr. Stephen R. Kellert
- 2001 Master's of Environmental Management, School of Forestry and Environmental Studies; Yale University, New Haven, CT.
- 1983 B.A., Interdisciplinary Studies (Zoology and Resource Management), University of North Carolina, Chapel Hill, NC. Dean's List.

ACADEMIC EMPLOYMENT

- 2014-present *George B. Hartzog, Jr. Endowed Professor in Philosophy, Parks, and Environmental Ethics; Dept. of Parks, Recreation and Tourism Management, Clemson University.*
- 2013-present *Director, Institute for Parks, Clemson University.*
- 2011-2013 *Director of Research. Institute for Parks, Clemson University.*
- 2011-2015 *Associate Professor, Dept. of Parks, Recreation and Tourism Management; Department of Forestry and Environmental Conservation; Clemson University.*
- 2005-2011 *Assistant Professor, Dept. of Parks, Recreation and Tourism Management; Dept. of Forestry and Natural Resources; Clemson University.*

RESEARCH INTERESTS

Research interests include environmental education and interpretation, conservation social sciences, and protected area management.

EXTRAMURAL RESEARCH and OUTREACH (\$6,093,080 in external grants since 2005)

- 2023-2024 US National Park Service (\$30,045). Everhardt Park Break Program: Accessibility Plan for Reconstruction Era National Historical Park Facilities and Programs. PI: **R.B. Powell**
- 2023-2026 US National Park Service (\$937,213). What leads to better outcomes in National Park Service interpretation? PI: MJ Stern (Virginia Tech). Co-PI: **R.B. Powell**
- 2022-2023 Holocaust Museum Houston and Dallas Holocaust and Human Rights Museum (\$191,971). Impact of Holocaust Survivor Testimony Interactions through Holographic Imagery. PI: M. Browning. Collaborator: **R.B. Powell.**
- 2022-2025 USDA Forest Service (\$36,165). El Yunque National Forest: Research to support regional community-based tourism and resilience. PI: **R.B. Powell**

2021-2023	US National Park Service (\$199,547). Research to evaluate the National Park Service's Interpretation and Education Planning Processes. PI: R.B. Powell ; Co-PI: Stefanie Ruiz.
2020-2022	National Park Foundation (\$160,000). An evidence-based learning network for education in the national parks in the COVID era. PI: MJ Stern (Virginia Tech). Co-PIs: R.B. Powell , Frensley, B.T. (UNC-W).
2019-2024	National Science Foundation, Advancing Informal STEM Learning (AISL) Research in Service to Practice Grant (\$1.944M). What leads to better outcomes in informal STEM-based environmental education programs for youth? PI: R.B. Powell ; Co-PIs: M.J. Stern (Virginia Tech), B.Troy Frensley (UNC-W).
2019-2021	Pisces Foundation (\$160,000). Building a culture of and capacity for evaluation in Environmental Education: 2.0. PI: Charlotte Clark, Duke Univ. Collaborators: R.B. Powell and M.J. Stern (Virginia Tech).
2018-2020	US National Park Service (\$165,345). Research to evaluate visitor characteristics across and within seasons at Joshua Tree National Park. Co-Principal Investigators: Ryan Sharp, Kansas State Univ.; M. Brownlee, Clemson Univ., and R.B. Powell .
2017-2018	North Carolina Outward Bound (\$5,000). Assessing the efficacy of the North Carolina Outward Bound Educator Initiative. Principal Investigator: R.B. Powell .
2016-2019	Institute for Museum and Library Services National Leadership Grant (\$487,000). Identifying the drivers of success in educational programs at nature centers and National Parks in the United States. Co-Principal Investigators: M.J. Stern (Virginia Tech) & R.B. Powell .
2016-2018	National Science Foundation, Advancing Informal STEM Learning (AISL) Pathways Grant (\$300,000). Methods development for systematic investigation of factors driving outcomes in informal STEM environmental education programs. PI: R.B. Powell , Co-PI: M.J. Stern (Virginia Tech).
2016-2017	Storer Foundation (\$30,000). Assessing the Benefits of Outdoor Recreation. Principal Investigator: R.B. Powell , Collaborators: C. Monz (Utah State) and J. E. Thomsen (Univ. Montana).
2015-2016	Antarctica visitor study in cooperation with Aurora Expeditions. Principal Investigator: R.B. Powell .
2015-2016	Government of Viet Nam, Ministry of Construction. 2030 Plan for the Dong Van Stone Plateau Global Geopark in Ha Giang Province, Viet Nam. Principal Investigator: J. Spencer (Clemson). Collaborator/consultant: R.B. Powell .
2014-2015	Wildlife Management Institute (\$139,495). Interactive Conservation Planning for the Appalachian Landscape Conservation Cooperative. PI: R. Baldwin (Clemson), Collaborator: R.B. Powell .
2013-2015	US National Park Service (\$127,913). Goal setting and needs assessment for Interpretation and Education in the National Park Service. Co-principal Investigators: R.B. Powell & B. A. Wright (Clemson).
2014	Antarctica visitor study in cooperation with Aurora Expeditions. Principal Investigator: R.B. Powell .
2008-2013	National Audubon Society (\$506,000). Research for the evaluation and adaptive management of Toyota TogetherGreen. PI: R.B. Powell ; Co-PIs: M.J. Stern (Virginia Tech), & N. Ardoyn, (Stanford Univ.).
2011-2013	South Florida National Parks Trust (\$60,130). Evaluation and research of environmental education at Everglades National Park. PI: R.B. Powell ; Collaborators: G. Ramshaw (Clemson) & M.J. Stern (Virginia Tech).
2009-2013	US National Park Service (\$128,688). Assessing the health of Interpretation and Education in the National Park Service. Co-principal Investigators: M.J. Stern (Virginia Tech) & R.B. Powell .

- 2010-2012 National Parks Conservation Association: Center for Park Management (\$219,368). Assessing quality indicators for interpretive programs in the National Park Service. Co-principal Investigators: M.J. Stern (Virginia Tech) & **R.B. Powell**.
- 2008-2012 US National Park Service (\$24,600). Evaluation of curriculum-based environmental education programs at Great Smoky Mountains National Park. Co-principal Investigators: **R.B. Powell** & M.J. Stern (Virginia Tech).
- 2008-2011 US National Park Service and Friends of the Great Smoky Mountains National Park (\$155,600). Research for sustainable adaptive management of environmental education and outreach at Great Smoky Mountains National Park. Co-principal Investigators: M.J. Stern (Virginia Tech) & **R.B. Powell**.
- 2007 USAID Sustainable Coastal Tourism in Asia – Sri Lanka. Overcoming governance barriers to integrated coastal, marine protected area, and tourism management. Consultant: **R.B. Powell**.
- 2007-10 US National Park Service Wilderness Stewardship & Recreation Management Division (\$70,000). Evaluation of wilderness recreational ethics education on public lands. Co-principal Investigators: **R.B. Powell** & B.A. Wright (Clemson University).
- 2005/06 South Georgia Island Conservation Group (\$15,000). South Georgia Island (SGI) Government (Falkland Islands Dependency) ACAP Giant Petrel and White-chinned Petrel survey. Principal Investigator: Sally Poncet (South Georgia Island Gov.), Collaborator: **R.B. Powell**.
- 2005-2012 North Bay Adventure Learning Center, Maryland. Development of an integrated evaluation system for a residential science education program. Co-principal Investigators: **R.B. Powell**, N. Ardoin, (Stanford Univ.), & M.J. Stern (Virginia Tech).
- 2004 Great Smoky Mountains Institute at Tremont (\$10,000); Development of an integrated evaluation system for a residential environmental education program. Co-principal Investigators: **R.B. Powell**, N. Ardoin, (Stanford Univ.), & M.J. Stern (Virginia Tech).
- 2003-2004 Galapagos National Park Visitor Study. Principal Investigator: **R.B. Powell**.
- 2003-2004 US National Park Service (\$9,000). Grand Canyon National Park river visitor study in cooperation with Grand Canyon River Outfitters Association. Principal Investigator: **R.B. Powell**.
- 2003-2004 Antarctica visitor study in cooperation with International Association of Antarctica Tourism Operators. Principal Investigator: **R.B. Powell**.

INTRAMURAL RESEARCH GRANTS

- 2018-2020 Clemson University (\$66,610). *Postdoctoral Researcher in Parks and Sustainable Environments* Proposal. Clemson University Research Faculty and Postdoctoral Researcher Support Grants Program. Co-principal Investigators: M. Brownlee & **R.B. Powell**.
- 2018-2019 Clemson University. Margaret H. Lloyd-SmartState Endowment for Urban Ecology and Restoration (\$65,000). Investigating barriers to participation and interest in environmental education field trips by teachers of rural and diverse students in Congaree Biosphere Reserve. Principal Investigator: **R.B. Powell**.
- 2012-2013 Clemson University, College of Health, Education, and Human Development Innovation Grant (\$50,000). Parks and protected areas as infrastructure for healthy humans: Investigating the relationship between human health and parks. Principal Investigator: Khoa Truong (Clemson). Collaborators: **R.B. Powell**, B. Baldwin (Clemson Univ.), and R. Baldwin (Clemson Univ.).

- 2011-2012 Clemson University, College of Health, Education, and Human Development Innovation Grant (\$49,930). Parks and protected areas as infrastructure for a sustainable future: Investigating the relationship between social conditions, human health, and ecological structure. Principal Investigator: **R.B. Powell**. Collaborators: B. Baldwin (Clemson Univ.), R. Baldwin (Clemson Univ.), D. White (Clemson), S. Hammel (Clemson), and S. Trombulak (Middlebury College).
- 2008 Clemson University, College of Health, Education, and Human Development Summer Research Proposal Grant (\$3,000). Protecting Shangri-La': A conservation and sustainable tourism project in Eastern Tibet, China. Principal Investigator: **R.B.Powell**.
- 2007-2010 Clemson University Experiment Station; Hatch Grant. Nature-based tourism within protected areas: Understanding the factors that promote sustainability. Principal Investigator: **R.B.Powell**
- 2006 Clemson University, College of Health, Education, and Human Development Summer Research Grant (\$7,000). Attitudes of Fiji Islanders toward resource management, marine protected areas, and ecotourism in a time of social and ecological change. Principal Investigator: **R.B.Powell**.

PEER REVIEWED PUBLICATIONS and BOOK CHAPTERS

- 97) Anderson, K.* , Stern, M.J., & **Powell, R.B.** (2023) Investigating the influence of preparation and perceived adult support on attendance to a residential environmental education field trip program. *Journal of Environmental Education Research*. DOI: 10.1080/13504622.2023.2247586
- 96) Story, T.* , **Powell, R.B.**, Baldwin, E., Baldwin, R.F & Dertien, J. (2023) Assessing barriers to participation in environmental education field trips in the Congaree Biosphere Reserve. *Environmental Education Research*. DOI: 10.1080/13504622.2023.2246697
- 95) Hemby, T.L., **Powell, R.B.**, & Stern, M.J. (2023) Availability and distribution of environmental education field trip programs for adolescent students in the U.S.: A national study of spatial accessibility. *Environmental Education Research*. DOI 10.1080/13504622.2023.2237706
- 94) Thorpe, E.G.* , Stern, M.J., **Powell, R.B.**, & Hemby, T.L. (2023) Does environmental education work differently across sociopolitical contexts in the United States? PART II. Examining pedagogy in school field trip programs for early adolescent youth across political contexts. *Environmental Education Research*. DOI: 10.1080/13504622.2023.2295781
- 93) Thorpe, E.G.* , Stern, M.J., **Powell, R.B.**, & Hemby, T.L. (2023) Does environmental education work differently across sociopolitical contexts in the United States? PART I. Exploration of outcomes for adolescent youth. *Environmental Education Research*. DOI: 10.1080/13504622.2023.2273795
- 92) Holland, W.H.* , **Powell, R.B.**, Holland, K.K., Garst, B.A., Baldwin, E.D., & Quigley, C.F. (2023) The influence of experiential wilderness-based professional-development on educator character and practices. *Journal of Outdoor and Environmental Education*. DOI: 10.1007/s42322-023-00124-6
- 91) Merritt, E., Stern, M.J., **Powell, R. B.**, & Frensley, B.T. (2023) Benefits of participation in a community of practice focused on evaluation and programmatic improvement for environmental educators. *Evaluation and Program Planning*, 99, 102317.
- 90) Blacketer, M.* , Brownlee, M.T. J., Zajchowski, C., & **Powell, R.B.** (2023) Perceptions of social and ecological change at the Bonneville Salt Flats. *The Journal of Outdoor Recreation and Tourism*, 42, 100629. DOI: 10.1016/j.jort.2023.100629.
- 89) Kiewra, L.A.* , **Powell, R.B.**, Stern, M.J., & Hemby, T. (2023) Is naturalness associated with positive learning outcomes during environmental education field trips? *Journal of Environmental Education*, 54(2), 148-162. DOI: 10.1080/00958964.2022.2157369

- 88) **Powell, R.B.**, Stern, M.J., & Frensley, B.T. (2023) Which approaches are associated with better outcomes? Evidence from a national study of EE field trip programs. *Environmental Education Research*, 29(3), 331-356. DOI: 10.1080/13504622.2022.2145270
- 87) Ogletree, S.S.*, Larson, L.R., **Powell, R.B.**, White, D., & Brownlee, M.T.J. (2022) Urban greenspace linked to lower crime risk across 301 major U.S. cities. *Cities*, 131, 103949. DOI: 10.1016/j.cities.2022/103949
- 86) Woods, L.B.*, **Powell, R.B.**, Stern, M.J., Frensley, B.T., & Wright, B.A. (2022) Reorienting training in the time of Covid-19 and social justice movements. *Applied Environmental Education and Communication*, 21(3), 302-318. DOI: 10.1080/1533015X.2022.2078439
- 85) Anderson, K.*, Stern, M.J., & **Powell, R.B.** (2022) Identifying areas and approaches for improving evaluation processes in environmental education in the United States of America. *Journal of Environmental Education*, 53(5), 290-303. DOI: 10.1080/00958964.2022.2122918
- 84) Frensley, B.T., Stern, M.J., **Powell, R.B.**, & Sorice, M.G. (2022) Investigating the links between student basic psychological needs, engagement, and environmental literacy at a residential environmental education center. *Journal of Environmental Education*, 53:4, 186-198. DOI:10.1080/00958964.2022.2081654
- 83) Anderson, K.*, Stern, M.J., **Powell, R.B.**, Dare, A.A., & Archibald, T. (2022) Culturally responsive evaluation and its application in environmental education. *Evaluation and Program Planning*, 92, 102073. DOI: 10.1016/j.evalprogplan.2022.102073
- 82) Frensley, B.T., Stern, M.J., **Powell, R.B.**, & Blackwell, M.J. (2022) Exploring the links between teaching approaches and student outcomes at a residential setting. *Environmental Education Research*, 28(6), 826-844. DOI: 10.1080/13504622.2022.2044454
- 81) Holland, W.H.*, **Powell, R.B.**, Holland, K.K., Garst, B.A., Baldwin, E.D., & Quigley, C.F. (2022) Experiential Wilderness-based Professional Development: Beliefs and Confidence of Participant Educators. *Journal of Experiential Education*, 45(2) 117-135. DOI: 10.1177/10538259211045385
- 80) Sabuhoro, E.*, Wright, B.A., Munanura, I. E., **Powell, R. B.**, Hallo, J.C., & Layton P. (2023) Exploring the impact of community conservation enterprises on household livelihoods around two wildlife areas in Sub-Saharan Africa. *Journal of Human Dimensions of Wildlife*, 28 (2) 103-120. DOI: 10.1080/10871209.2021.2015487
- 79) Jamaliah, M. M., Mgonja, J. T., Alazaizah, M. M. , & **Powell, R. B.** (2021). How does interpretive tour guiding promote tourists' pro-environmental behaviour? Evidence from Tanzania. *Tourism Recreation Research*. DOI: 10.1080/02508281.2021.1992953
- 78) Stern, M.J., **Powell, R.B.**, & Frensley, B.T. (2022) Environmental education, age, race, and socioeconomic class: An exploration of differential impacts of field trips on adolescent youth in the United States. *Environmental Education Research*, 28(2), 197–215. DOI: 10.1080/13504622.2021.1990865
- 77) Stern, M.J., **Powell, R. B.** & Frensley, B.T. (2022) Interpretation and environmental education research on public lands: Lessons learned and new directions. *Journal of Parks and Recreation Administration*, 40(1), 228–237. DOI: 10.18666/JPra-2021-11003
- 76) Merritt, E., Stern, M.J., **Powell, R. B.**, & Frensley, B.T. (2022) A systematic literature review to identify evidence-based principles to improve online environmental education. *Environmental Education Research*, 28(5), 674-694. DOI: 10.1080/13504622.2022.2032610
- 75) Holland, K.*, Larson, L., **Powell, R.B.**, Holland, W., Allan, L., Nabaala, M., Tome, S., Seno, S., & Nampushi, J. (2022). Impacts of Tourism on Support for Conservation, Local Livelihoods, and Community Resilience around Maasai Mara National Reserve, Kenya. *Journal of Sustainable Tourism*, 30(11) 2526-2548. DOI: 10.1080/09669582.2021.1932927

- 74) Stern, M.J., & **Powell, R. B.** (2021) Taking stock of interpretation research: Where have we been and where are we heading? *Journal of Interpretation Research*, 25(2), 65-87. DOI:10.1177/10925872211023205
- 73) Pratson, D.F.*, Stern, M.J., & **Powell, R.B.** (2021) What organizational factors motivate environmental educators to perform their best? *Journal of Environmental Education*, 52(4), 256-271. DOI:10.1080/00958964.2021.1924104
- 72) Kitheca, B. M.*, Baldwin, E., & **Powell, R.B.** (2021) Grey to green: Tracing the path to environmental transformation and regeneration of a major industrial city. *Cities: The International Journal of Urban Policy and Planning*, 108. DOI:10.1016/j.cities.2020.102987
- 71) Holland, W.H.*, **Powell, R.B.** & Holland, K.K.* (2020) Wilderness-based professional development for teachers: Exploring outcomes and influential programmatic elements. *Journal of Outdoor Recreation, Education, and Leadership*, 12(4), 380-396. DOI:10.18666/JOREL-2020-V12-I4-10271
- 70) O'Hare, A.,* **Powell, R.B.**, Stern, M.J., & Bowers, E.P. (2020) Influence of educator's emotional support behaviors on environmental education student outcomes. *Journal of Environmental Education Research*, 26 (11), 1556-1577. DOI:10.1080/13504622.2020.1800593
- 69) Stern, M.J. & **Powell, R.B.** (2020) Field trips and the experiential learning cycle. *Journal of Interpretation Research*, 25(1), 46–50. DOI:10.1177/1092587220963530
- 68) Lee, H.*, Stern, M.J., & **Powell, R.B.** (2020) Assessing the influence of preparation and follow-up on student outcomes associated with environmental education field trips. *Journal of Environmental Education Research*, 26 (7), 989–1007. DOI:10.1080/13504622.2020.1765991
- 67) Dale, R.G.*, **Powell, R.B.**, Stern, M.J., & Garst, B.A. (2020) Influence of the natural setting on environmental education student outcomes. *Journal of Environmental Education Research*, 26(5), 613-631. DOI: 10.1080/13504622.2020.1738346
- 66) Sabuhoro, E.*, Wright, B.A., **Powell, R.B.**, Hallo, J.C., Layton, P., & Munanura, I.E. (2020) Perceptions and behaviors of indigenous populations regarding illegal use of park resources in the Greater Virunga Transboundary Landscape. *Environmental Management*, 65, 410-419. DOI:10.1007/s00267-020-01254-z
- 65) Frensley, B.T.*, Stern, M.J., & **Powell, R.B.** (2020) Does student enthusiasm equal learning? The mismatch between observed and self-reported student engagement and environmental literacy outcomes in a residential setting. *Journal of Environmental Education*, 51(6), 449-461. DOI:10.1080/00958964.2020.1727404
- 64) Jamaliah, M.M.*, **Powell, R.B.**, & Sirima, A.* (2021) Climate change adaptation and implementation barriers: A qualitative exploration of managers of Dana Biosphere Reserve-ecotourism system. *Journal of Ecotourism*, 20(1), 18-34. DOI:10.1080/14724049.2020.1746320
- 63) Poncet, S., Wolfaardt, A.C., Barbraud, C., Arriegas, R.A., Black, A., **Powell, R.B.** & Phillips, R.A. (2020) The distribution, abundance, status and global importance of giant petrels (*Macronectes giganteus* and *M. halli*) breeding at South Georgia. *Polar Biology*, 43, 17–34. DOI:10.1007/s00300-019-02608-y
- 62) Citarella, M.M.*, Hallo, J.C., Fefer, J.P., Brownlee, M.T.J., **Powell, R.B.** & Dudley, K. (2019) Taking the plunge: Enhancing the visitor experience in waterfall-based state parks. *Journal of Park and Recreation Administration*, 37(3), 70-88. DOI:10.18666/JPra-2019-9149
- 61) Ogletree, S.S.*, **Powell, R.B.**, Baldwin, R. F. & Leonard, P.B. (2019) A framework for mapping cultural resources in landscape conservation planning. *Conservation Science and Practice*, 1(6). DOI:10.1111/csp2.41
- 60) Clark, M., Wilkins, E., Dagan, D.T., **Powell, R.B.**, Sharp, R.L., & Hillis, V. (2019) Bringing forecasting into the future: Using Google to predict visitation in U.S. National Parks. *Environmental Management*, 243, 88-94. DOI: 10.1016/j.jenvman.2019.05.006

- 59) **Powell, R.B.**, Stern, M. J., Frensley, B.T., & Moore, D. (2019) Identifying and developing crosscutting environmental education outcomes for adolescents in the 21st Century (EE21). *Environmental Education Research*, 25(9), 1281-1299. DOI:10.1080/13504622.2019.1607259
- 58) Miller, Z.D.* , Freimund, W.A., Metcalf, E.C., Nickerson, N.P. & **Powell, R.B.** (2019) Merging elaboration and the theory of planned behavior to understand bear spray behavior of day hikers in Yellowstone National Park. *Journal of Environmental Management*, 63, 366–378. DOI:10.1007/s00267-019-01139-w
- 57) Holland, K.E.* , Larsen, L., & **Powell, R.B.** (2018) Characterizing conflict between humans and big cats *Panthera spp*: A systematic review of research trends and management opportunities. *PlosOne*, 13(9):e0203877. <https://doi.org/10.1371/journal.pone.0203877>
- 56) Holland, W.H.* , **Powell, R.B.**, Thomsen, J.M., and Monz, C.A. (2018) A systematic review of the psychological, social, and educational outcomes associated with participation in wildland recreational activities. *Journal of Outdoor Recreation, Education, and Leadership*, 10(3), 197-225. DOI:10.18666/JOREL-2018-V10-I3-8382
- 55) Munanura, I.E.* , Backman, K.F., Hallo, J.C, **Powell, R.B.**, & Sabuhoro, E. (2018) Understanding the relationship between livelihood constraints of poor forest-adjacent residents and illegal forest use at Volcanoes National Park, Rwanda. *Conservation and Society*, 16(3), 291-304. DOI:10.4103/cs.cs_14_83
- 54) Miller, Z.D.* , Freimund, W., & **Powell, R.B.** (2018) Measuring elaboration and evaluating its influence on behavioral intentions. *Journal of Interpretation Research*, 23(1), 27-44.
- 53) Munanura, I.E.* , Backman, K.F., Sabuhoro, E., **Powell, R.B.**, & Hallo, J.C. (2018) The perceived forms and drivers of forest dependence at Volcanoes National Park, Rwanda. *Environmental Sociology*, 4(3), 343-357. DOI: 10.1080/23251042.2017.1414661
- 52) Thomsen, J.M., **Powell, R.B.**, and Monz, C.A. (2018) A systematic review of the physical and mental health benefits of wildland recreation. *Journal of Parks and Recreation Administration*, 36(1), 123-148. DOI:10.18666/JPra-2018-V36-I1-8095
- 51) Jamaliah, M.M.* & **Powell, R.B.** (2019) Integrated vulnerability assessment of ecotourism to climate change in the Dana Biosphere Reserve, Jordan. *Current Issues in Tourism*, 22(14), 1705-1722. DOI: 10.1080/13683500.2017.1401982
- 50) Morris, D.M.* , Pilcher, J.J., & **Powell, R.B.** (2017). Task dependent cold stress during expeditions in Antarctic environments. *International Journal of Circumpolar Health*, 76(1),1379306. DOI:10.1080/22423982.2017.1379306
- 49) **Powell, R.B.**, Stern, M.J., & Frensley, B.T.* (2020) Identifying outcomes for environmental education at national parks. In Thompson, J.L. & Houseal, A.K. (editors). *America's largest classrooms: What we learn from our national parks* (pp-245-258). Univ. of CA Press, Oakland, CA.
- 48) **Powell, R.B.**, Depper, G.L.* , & Wright, B.A. (2018) Interpretation training needs in the 21st Century: A needs assessment of interpreters in the National Park Service, *Journal of Interpretation Research*, 22(2),17-34. DOI: 10.1177/109258721702200203
- 47) Jamaliah, M.M.* & **Powell, R.B.** (2018) Ecotourism resilience to climate change in the Dana Biosphere Reserve, Jordan. *Journal of Sustainable Tourism*, 26(4), 519-536. DOI:10.1080/09669582.2017.1360893
- 46) **Powell, R. B.**, Vezeau, S.L.* , Stern, M.J., Moore, D.D., & Wright, B.A. (2018) Does interpretation influence elaboration and environmental behaviors? *Journal of Environmental Education Research*, 24(6), 875-888. DOI:10.1080/13504622.2017.1339302
- 45) **Powell, R.B.**, Green, T., Holladay, P.J., Krafte, K.* , Duda, M.* , Nguyen, M.T., Spencer, J.H., & Das, P. (2018) Examining community resilience to assist in sustainable tourism development planning in Dong Van Karst Plateau Geopark, Viet Nam. *Tourism Planning and Development*,15(4), 436-457. DOI:10.1080/21568316.2017.1338202

- 44) Stern, M.J., Frensley, B.*, **Powell, R.B.**, & Ardoin, N.M. (2018) What difference do role models make? Investigating outcomes at a residential environmental education center. *Environmental Education Research*, 24(6), 818-830. DOI: 10.1080/13504622.2017.1313391
- 43) Holladay, P.J.*, & **Powell, R.B.** (2016) Social-ecological resilience and stakeholders: A qualitative inquiry into community-based tourism in the Commonwealth of Dominica. *Caribbean Studies*, 44(1), 3-28. DOI: 10.1353/crb.2016.0000
- 42) Munanura, I.E.*, Backman, K.F., Hallo, J., & **Powell, R.B.** (2016) Perceptions of tourism revenue sharing impacts on Volcanoes National Park, Rwanda: A sustainable livelihoods framework. *Journal of Sustainable Tourism*, 12, 1709-1726. DOI: 10.1080/09669582.2016.1145228
- 41) Stern, M.J., Ardoin, N.M., & **Powell, R.B.** (2016) Exploring the effectiveness of community outreach strategies: The case of the Audubon Toyota TogetherGreen program. *Society and Natural Resources*, 30(1) 95-111. DOI:10.1080/08941920.2016.1164266
- 40) Vezeau, S.L., **Powell, R. B.**, Stern, M.J., Moore, D., & Wright, B.A. (2017) Development and validation of two scales for measuring elaboration and behaviors associated with stewardship in children. *Environmental Education Research*, 23(2) 192-213. DOI:10.1080/13504622.2015.1121377
- 39) Sgalitzer, H.A.*, Brownlee, M.T.J., Bricker, K.S., & **Powell, R.B.** (2016) Modelling travelers' philanthropy: Tourists' motivations to donate at Sweetwater Chimpanzee Sanctuary. *Journal of Ecotourism*, 15(1), 1-20. DOI: 10.1080/14724049.2015.1117091
- 38) Skibins, J.C.*, **Powell, R.B.**, & Hallo, J.C. (2016) Lucky 13: Conservation implications of broadening 'Big 5' flagship species recognition in East Africa. *Journal of Sustainable Tourism*, 24(7), 1024-1040. DOI:10.1080/09669582.2015.1101126
- 37) **Powell, R.B.**, Ramshaw, G.P., Ogletree, S.S.*, & Krafte, K.* (2016) Can heritage resources highlight changes to the natural environment caused by climate change? Evidence from the Antarctic tourism experience. *Journal of Heritage Tourism*, 11(1), 71-87. DOI:10.1080/1743873X.2015.1082571
- 36) Depper, G.L.*, Vigil, D.C., **Powell, R.B.** & Wright, B.A. (2015-2016) Resource protection, visitor safety, and employee safety: How prepared is the National Park Service? *Park Science*, 32(2) 18-24.
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- *Graduate Student

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*Graduate Student

TECHNICAL REPORTS

53) **Powell, R.B.**, Stern, M.J., & Jahn, J.* (2023) Evaluating and Informing the Future of NPS Interpretation Planning: Final Report. Clemson University Institute for Parks.

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- 2) Ardoin, N., Stern, M., & **Powell, B.** (2004) *Integrated Evaluation System for the Great Smoky Mountains Institute at Tremont*. Great Smoky Mountains Institute at Tremont.
- 1) **Powell, B.** (2004) *2003 GCNP Commercial River Visitor Study: Effects of Participation on Knowledge, Attitudes toward Park Management, Environmental Values, Environmental Behaviors, and Satisfaction*. National Park Service, Grand Canyon National Park.

*Graduate Student; **Undergraduate Student

CONFERENCE PRESENTATIONS

- 99) Anderson, K. Stern, M.J., **Powell, R.B.**, & Frensley, B. T. (2023) Evidence-based Learning Network: Shifting evaluation from accountability to learning. NAAEE. Oct. 19.
- 98) Stern M.J., **Powell, R.B.**, Frensley, T., & Anderson, K. (2023) What works best for environmental education school field trips? NAAEE, Oct. 18.
- 97) Stern, M.J. & **Powell, R.B.** (2023) Organizational Culture and Staff Motivation: Implications for Program Quality. NAAEE, Oct. 11-19.
- 96) **Powell, R.B.**, Stern M.J., & Frensley, T. (2023) Lessons from national studies of EE fieldtrip programs. NAAEE Research Symposium, Oct. 12.
- 95) Stern, M.J., **Powell, R.B.**, Anderson, K., Frensley, B. T. & Lee, K. (2022) Evidence-based Learning Network: Shifting evaluation from accountability to learning. NAAEE. Tuscon, AZ. Oct. 14.
- 94) Stern M.J., **Powell, R.B.**, & Frensley, T. (2022) What works best for environmental education school field trips? NAAEE, Oct. 13.
- 93) **Powell, R. B.**, Stern, M.J., & Lennox, C. (2021) Making research relevant to the field. NAI., Dec. 2.
- 92) Stern, M.J., Merritt, E., **Powell, R.B.**, Frensley, B.T. Kern, M. & Kilby, A. (2021) A Community Improving Practice: Lessons from an Evidence-based Learning Network. NAAEE. Oct. 14.
- 91) Pownall, M., Thorpe, E., Garcia, J., Merritt, E., Frensley, B.T., **Powell, R.B.**, & Stern, M.J. (2021) Zooming in on Successful Online Programs. NAAEE. Oct. 4.
- 90) Stern, M.J. & **Powell, R.B.** (2020) Taking stock: The last decade of the Journal of Interpretation Research. NAI, Nov. 11.
- 89) **Powell, R.B.**, Stern M.J., Frensley, T. (2020) What leads to better outcomes in environmental education? NAAEE, Oct. 14.

- 88) Anderson, K., Stern, M., & **Powell, R.B.** (2020) Evaluation Trends Across the Field and New Directions. NAAEE. Oct. 5.
- 87) Merritt, E., **Powell, R.B.**, Stern, M.J., & Frensley, B.T. (2020) Design principles for online EE programs. ANCA. Sept. 16.
- 86) Perry, E.* , Brownlee, M., Smith,H., Sharp,R., Sene-Harper, A., **Powell, R.**, Smith,J., Thompson,J., & Owen, W. (2020) *A topical and spatial analysis of online sentiments regarding the 2019 government shutdown and a national park.* American Association of Geographers Annual Meeting. Apr. 9.
- 85) Stern, M.J. & **Powell, R.B.** (2020) What does research tell us about how to do better environmental education? Maine Environmental Education Association Annual Research Symposium. Belfast, ME. March 5.
- 84) Stern M.J. & **Powell, R.B.** (2019) What leads to better outcomes in environmental education? National Association for Interpretation, Denver, CO. Nov.15. **Awarded "Best of" the Conference.
- 83) **Powell, R.B.**, Stern M.J., & Frensley, B.T. (2019) Developing evidence-based learning networks. NAAEE, Lexington, KY. Oct.19.
- 82) Stern M.J., **Powell, R.B.**, & Frensley, B.T. (2019) Questioning our assumptions with real data: What makes EE better?" NAAEE, Lexington, KY. Oct.17.
- 81) Stevenson, K., **Powell, R.B.**, & others. (2019) Evaluation clinic. NAAEE, Lexington, KY. Oct.17.
- 80) **Powell, R.B.** & Stern M.J. (2019) What leads to better outcomes in environmental education? ANCA Summit, Cincinnati, OH. Aug. 22
- 79) Stern, M.J., & **Powell, R.B.** (2019) Cutting edge research in environmental education: From developing common crosscutting outcomes to identifying what leads to better outcomes. ANCA, Cincinnati, OH. Aug. 21.
- 78) Pratson, D., Stern,M.J., & **Powell, R.B.** (2019) Motivation within environmental education organizations. 41st Annual Southeastern Recreation Research Conference. Athens, Georgia. March 25.
- 77) Frensley, B.T.*, Stern, M.J., **Powell, R.B.**, & Ardoin, N.M. (2018) What difference do role models make? Investigating outcomes at a residential environmental education center. NAAEE, Spokane, WA. Oct.11.
- 76) Frensley, B.T.*, Stern, M.J., & **Powell, R.B.**, Investigating the links between lesson characteristics, student engagement, and outcomes at a residential environmental education program. NAAEE, Spokane, WA. Oct.11.
- 75) Stevenson, K., Stern, M.J., **Powell, R.B.**, & others. (2018) Evaluation clinic. NAAEE, Spokane, WA. Oct.12.
- 74) Stern, M.J., **Powell, R.B.**, Frensley, B. T.*, Kleinbort, T.*, Pratson, D.*, & Lee, H.* (2018) What leads to better outcomes in environmental education? NAAEE, Spokane, WA. Oct.12.
- 73) **Powell, R.B.**, Stern, M.J., Frensley, B. T.*, & Kleinbort, T.* (2018) Developing cross-cutting outcomes for evaluating Environmental Education. NAAEE, Spokane, WA. Oct.11.
- 72) Clark, M.*, Dagan, D.*, Wilkins, E.*, **Powell, R.B.**, & Sharp, R.L. (2018) Developing a Visitation Forecasting Tool for Joshua Tree National Park. ISSRM, Park City, UT. June 18.
- 71) **Powell, R.B.**, Stern, M.J., Frensley, B. T. & Kleinbort, T. (2018) Developing cross-cutting outcomes for Environmental Education. ISSRM, Park City, UT. June 19.
- 70) Stern, M.J., **Powell, R.B.** Frensley, B. T. & Kleinbort, T. (2018) What leads to better outcomes in environmental education? ISSRM, Park City, UT. June 19.

- 69) Miller, Z.D.*, Freimund, W.A., **Powell, R.B.**, Metcalf, E.C., & Nickerson, N.P. (2018) A framework for integrating values into persuasive communication: Value orientations, elaboration, and the theory of planned behavior. Monitoring and Managing Visitors in Recreational and Protected Areas Conference. Bordeaux, France, Aug. 28.
- 68) Holland, W.H.*, **Powell, R.B.**, Garst, B., Baldwin, E., & Quigle, C. (2018) Investigating the influence of experiential wilderness-based professional development on K-12 educator's personal development and use of experiential teaching methods. Southeastern Recreation Research Conference. Athens, GA. Mar. 26.
- 67) Duda, M.*, **Powell, R.B.**, & Krafte, K.* (2017) An exploration of environmental values in the Asian developing world context of Dong Van Karst Plateau Global Geopark, Vietnam. Pathways Conference. Estes Park, CO. Sept. 18.
- 66) Ardoin, N.M. & **Powell, R.B.** (2017) Environmental values and biophilia: A tribute to Dr. Stephen Kellert's research. Pathways Conference. Estes Park, CO. Sept. 18.
- 65) Krafte, K.*, Larson, L., **Powell, R.B.**, Allen, L., Hallo, J., & Jachowski, D. Assessing cultural context for predator conservation. Pathways Conference. Estes Park, CO. Sept. 18.
- 64) Sharp, R., Verbos, R.*, **Powell, R.B.** & Others (2017) Social Science Park Break. George Wright Society. Norfolk VA. April 5
- 63) Thomsen, J.M.*, Browning, M., **Powell, R.B.** & Others (2017) Careers in a changing political climate. George Wright Society. Norfolk VA. April 4.
- 62) **Powell, R.B.** & Stern, M.J. (2017) What makes an Environmental Education Program Successful? George Wright Society. Norfolk, VA. April 3.
- 61) Morris, D. M.*, Hamilton, G. L., **Powell, R. B.**, & Pilcher, J. J. (2016, April). *Journey to the Bottom of the Earth: Occupational Risk in Antarctica*. Poster presentation at Clemson University 4rd Annual Graduate Research and Discovery Symposium, Clemson, SC. [Awarded 3rd place for College of Business and Behavioral Science]
- 60) Morris, D. M., Powell, R. B., & Pilcher, J. J. (2015). *Journey to the Bottom of the Earth: Occupational Risk in Antarctica*. Human Factors and Ergonomics Society International Annual Meeting. Los Angeles, CA. Oct.
- 59) Kleinbort, T.* & **Powell, R.B.** (2015) Marine Ecotourism in the Galapagos Islands: Analysis of Participant Reflections Using Kellert's Typology of Environmental Values. International Marine Tourism Conference. Hawaii.
- 58) Jamaliah, M.*, & **Powell, R. B.** (2015) Vulnerability of tourism to climate change in Dana Biosphere Reserve, Jordan. George Wright Society. Oakland, CA. Apr. 2.
- 57) Thomsen, J.M.*, Browning, M., **Powell, R.B.** & Others (2015) Where am I going and how do I get there? Honest conversations about conservation careers George Wright Society. Oakland, CA. Mar. 30.
- 56) Gantt, A., & **Powell, R. B.** (2014) Serving diverse audiences and supporting national STEM standards through interpretive curriculum-based programs at Everglades National Park. National Association for Interpretation National Workshop. Denver, CO. Nov. 18-22.
- 55) Stern, M.J., & **Powell, R.B.** (2014) Balancing accountability and adaptive management: Designing flexibility into evaluation. IUCN World Parks Congress. Sydney Australia. Nov. 12-19.
- 54) Stern, M.J., & **Powell, R.B.** (2014) What Drives Visitor Outcomes? Examining Best Practices in Environmental Education and Interpretation. IUCN World Parks Congress. Sydney Australia. Nov. 12-19.
- 53) Skibins, J.*, & **Powell, R.B.** (2014) Conservation Caring: Measuring the influence of zoo visitors' connection to wildlife on pro-conservation behaviors. 20th International Symposium on Society and Research Management (ISSRM) Hannover, Germany. June 9-13.
- 52) Stern, M.J. & **Powell, R.B.** (2013) Is it the singer or the song? Empirically isolating the drivers of visitor responses to park communications. National Association for Interpretation National Workshop. Reno, NV. Nov.6-9.

- 51) Skibins, J.*, & **Powell, R.B.** (2013) Lucky 13: Conservation implications of broadening 'Big 5' flagship species recognition in East Africa. ISSRM. Estes Park, CO. June 7.
- 50) **Powell, R.B.** & Stern, M.J. (2013) Is it the singer or the song? Empirically isolating the drivers of visitor responses to park communications. ISSRM. Estes Park, CO. June 7.
- 49) Thomsen, J.*, & **Powell, R.B.** (2013) Building bridges and breaking barriers: the challenges and opportunities of landscape-scale natural resource management organizations. ISSRM. Estes Park, CO. June 5.
- 48) **Powell, R.B.**, Stern M.J., & Ardoin, NM. (2013) A systematic investigation of the factors that contribute to successful conservation outcomes. ISSRM. Estes Park, CO. June 5.
- 47) **Powell, R.B.** & Stern, M.J. (2013) Live interpretation in the National Park Service: What leads to better visitor outcomes? George Wright Society. Denver. Mar. 12.
- 46) **Powell, R.B.**, Thomsen, J.*, Floyd, M., Walden-Schreiner, C.*, & Raines, S. (2013) Parks and protected areas as health resources: Trends, tools, and the recreation economy. George Wright Society. Denver. Mar. 12.
- 45) Thomsen, J.*, & **Powell, R.B.** (2013) Building bridges and breaking barriers: the challenges and opportunities of landscape-scale natural resource management organizations. George Wright Society. Denver. Mar. 11.
- 44) Skibins, J.*, & **Powell, R.B.** (2012) Context, charisma, and conservation: Charismatic megafauna's influence on safari and zoo tourists' pro-conservation behaviors. Human Dimensions of Wildlife. Breckenridge, CO. Sept 24-27.
- 43) Thomsen, J.*, **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2012) Defining conservation success. ISSRM. Edmonton. June.
- 42) Thomsen, J.*, **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2012) Defining conservation success. HEHD Research Forum. Clemson Univ. April.
- 41) Ardoin, N., **Powell, R.B.**, & Stern, M.J. (2011) Evaluating Together Green: A systematic investigation of the factors that contribute to successful conservation outcomes. NAAEE. Raleigh, NC. Sept.
- 40) McClean, K., Stern, M.J., **Powell, R.B.**, & Benson, E. (2011) Investigating Interpretations best practices: A national study. NAAEE. Raleigh, NC. Sept.
- 39) **Powell, R.B.** (2011) "Building a learning organization: What are the steps for developing a system for continual programmatic improvement and capturing your successes?" Association of Nature Center Administrators. Summit XVII. Great Smoky Mountains Institute at Tremont, Townsend, TN. Aug. 18.
- 38) Skibins, J.*, **Powell, R.B.**, & Stern, M.J. (2011) Proving Tilden: Uncovering empirical support for interpretation's best practices. ISSRM 2012. Madison, WI. June 7.
- 37) **Powell, R.B.**, Stern, M.J., Wright, B.*, Vezeau, S.*, & Sachs, S. (2011) Developing a culture of evaluation for interpretation and education in Great Smoky Mountains National Park (GRSM): Implications for National Policy. George Wright Society, New Orleans, LA. Mar. 17.
- 36) Vezeau, S.*, **Powell, R.B.**, & Stern, M.J. (2011) Stewardship 101: An evaluation of the Great Smoky Mountains National Park Junior Ranger program. George Wright Society, New Orleans, LA Mar. 16.
- 35) Brownlee, M.T.J.*, Hallo, J.C., & **Powell, R. B.** (2011) Climate change, management decisions, and the visitor experience: The role of social science research. George Wright Society, New Orleans, LA Mar. 16.
- 34) Holladay, P.J.* & **Powell, R. B.**, (2011) Social-ecological resilience and sustainability of community-based nature tourism development in the Commonwealth of Dominica. George Wright Society, New Orleans, LA Mar. 15.
- 33) Van Riper, C., **Powell, R. B.**, Machlis, G., Galipeau, R., Wagtendonk, J., van Riper, C.* (2011) The benefits of utilizing integrated science for research and management. George Wright Society, New Orleans, LA Mar. 14.

- 32) Holladay, P. J.*, & **Powell, R. B.** (2011). An integrated approach to assessing social-ecological resilience and sustainability of community-based nature tourism development in the Commonwealth of Dominica. Resilience, Innovation, and Sustainability: International Science and Policy Conference, Tempe, AZ. Mar. 13.
- 31) Guynn, S.* & **Powell, R.B.** (2011) Female perspectives on hunting: The original nature-based play. Value of Play. US Play Coalition. Clemson SC. Feb.8.
- 30) **Powell, R.B.** (2010) Integrated planning, partnerships, and overcoming hurdles. South Carolina State Trails and Greenway Conference: Pathways to the future: Connecting people to nature and community. Spartanburg, SC Oct. 14.
- 29) **Powell, R.B.**, (2010) Trails and greenways: Architecture for a sustainable future (Keynote Address). South Carolina State Trails and Greenway Conference: Pathways to the future: Connecting people to nature and community. Spartanburg, SC Oct. 13.
- 28) Vagias, W.* & **Powell, R.B.** (2010) Why do they do what they do? Identifying and testing predictors of compliance with recommended Leave No Trace Practices. Exit Strategies. American Alpine Club. Golden, CO. July 30-31.
- 27) Stern, M.J. & **Powell, R.B.** (2010) Assessing the overall health of interpretation and education in the National Park Service. ISSRM 2010. Corpus Christi, TX June 7.
- 26) **Powell, R.B.**, Stern, M.J., Ardoin, N., & Wynveen, C. (2010) Participating in conservation: Impacts of conservation training on emerging conservation professionals. ISSRM 2010. Corpus Christi, TX June 8.
- 25) Wynveen, C., **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2010) A systematic investigation of the factors that contribute to successful conservation outcomes. ISSRM 2010. Corpus Christi, TX June 8.
- 24) **Powell, R.B.**, Brownlee, M.*, Kellert, S.R., & Ham, S. (2010) (poster) An investigation of awe: The Antarctica tourism experience. ISSRM 2010. Corpus Christi, TX. June 6-8.
- 23) Vezeau, S. *, **Powell, R.B.** & Stern, M.J. (2010) *Measuring stewardship in national parks*. 32nd Annual Southeastern Recreation Research (SERR) Conference. Greenville, SC. Feb. 20-21.
- 22) Vezeau, S. *, **Powell, R.B.** & Stern, M.J. (2010) *Evaluating the Jr. Ranger program in Great Smoky Mountains National Park*. National Association of Interpretation Regional Workshop. Asheville, NC. Feb.
- 21) Vezeau, S. *, **Powell, R.B.** & Stern, M.J. (2009) *Measuring stewardship in national parks*. National Association of Interpretation National Workshop. Hartford, CT. Nov. 19.
- 20) Mora, C. *, Vagias, W.* & **Powell, R.B.** (2009) *Measuring attitudes toward minimum impact camping behaviors*. 9th World Wilderness Congress. Merida, Mexico. Nov. 7.
- 19) Stern, M.J., **Powell, R.B.** & Ardoin, N.M. (2009) Lesson from NorthBay: EE for the hip-hop generation. North American Association for Environmental Education Annual Conference. Portland, OR. October 9.
- 18) Stern, M.J., **Powell, R.B.**, & Ardoin, N.M. (2009) Evaluating NorthBay's multi-media approach to intertwining EE with character development. North American Association of Environmental Education Conference, Portland, OR. Oct. 7.
- 17) Wright, M.E. *, Stern, M.J., & **Powell, R.B.** (2009) Barriers and motivations to environmental education program participation at Great Smoky Mountains National Park. North American Association of Environmental Education Conference, Portland, OR. Oct. 5-9
- 16) Vezeau, S. *, **Powell, R.B.** & Stern, M.J. (2009) *Measuring Stewardship in National Parks*. The 2009 George Wright Society's Biennial Conference on Parks, Protected Areas, and Cultural Sites. Portland, OR. March 2-6.
- 15) Vagias, W. *, **Powell, R.B.** & Wright, B. A. (2009) *Preliminary Evaluation of the Leave No Trace Visitor Education Program in Three USNPS Units*. The 2009 George Wright Society Biennial Conference on Parks, Protected Areas, and Cultural Sites. Portland, OR. March 2-6.

- 14) **Powell, R. B.**, Vagias, W.* & Wright, B. A. (2009) *Stakeholder Involvement in the Development of Social Science Research: ORVs at Big Cypress National Preserve*. The 2009 George Wright Society Biennial Conference on Parks, Protected Areas, and Cultural Sites. Portland, OR. March 2-6.
- 13) Vezeau, S.* , **Powell, R.B.** & Stern, M.J. (2009) *Measuring Stewardship in National Parks*. 31st Annual Southeastern Recreation Research Conference. Athens, GA. Feb.22-24.
- 12) Poncet, S., Phillips,R. A., Black, A., Poncet, L., Barbraud,C., Silk, J., **Powell,R.B.**, Mantella,C., Reyes-Arriagada, R., Watts,O., Martin, A.R. & Poncet, D. (2008) *Status and distribution of Northern *Macronectes Halli* and Southern *M. Giganteus* Giant Petrels at South Georgia*. Fourth International Albatross and Petrel Conference, Cape Town, South Africa. Aug. 11-15.
- 11) Vagias, W.* & **Powell, R.** (2008) *Measuring attitudes toward minimum impact camping behaviors*. Society of Conservation Biology, Chattanooga, TN July 17-21.
- 10) Vagias, W.* & **Powell, R.** (2008) *Diffusion and perceived efficacy of the Leave No Trace Message in two National Park Service units*. 14th International Symposium on Society and Resource Management, Burlington, VT June 10-14.
- 9) Stern, M.J., Ardoin, N. & **Powell, R.B.** (2007) *Development and implementation of a "Sustainable Evaluation Framework."* 36th Annual Conference of the North American Association of Environmental Education, Virginia Beach, VA. Nov. 15
- 8) Stern, M.J., **Powell, R.B.**, & Ardoin,N. (2007) *Measuring and reporting success through internally sustainable evaluation systems*. North American Association of Environmental Education Research Symposium, Virginia Beach, VA. Nov. 14
- 7) Vagias, W.* & **Powell, R.** (2007) *Evaluation of wilderness visitor education on minimum impact camping behaviors*. Poster. Annual South Atlantic Collaborative Ecosystem Study Unit (CESU) Meeting. Sept. 13. University of Georgia, Athens, GA.
- 6) Vagias, W.* & **Powell, R.** (2007) *Evaluation of wilderness visitor education on minimum impact camping behaviors*. 13th International Symposium on Society and Resource Management, Park City, Utah June 17-21.
- 5) Ardoin, N., **Powell, R.B.**, & Stern, M.J. (2006) *Empowerment through evaluation: A participatory and sustainable evaluation approach*. North American Association of Environmental Education Conference, St. Paul, MN. Oct. 12
- 4) **Powell, R. B.** (2006) *Nature-based tourism within protected areas: Effects of participation on knowledge, attitudes, values, and behaviors and the factors that influence these outcomes*. 12th International Symposium on Society and Resource Management, Vancouver, Canada, June 3-8.
- 3) Vagias, W.* , **Powell, R.** & Haynie,L. (2006) Poster. *Recreational use in the headwaters of the Chattooga River*. NorthEastern Recreation Research Symposium, Bolton Landing, N.Y., April 9-11.
- 2) Ardoin, N., Arnold, J., **Powell, B.**, & Stern, MJ. (2005) *Developing a residential environmental education center evaluation system*. North American Association of Environmental Education, Albuquerque, NM, Oct. 25.
- 1) **Powell, R.** (2003) "Effects of nature-based tourism participation on environmental knowledge, attitudes, values, and behaviors, and the factors that influence these outcomes." Yale University, School of Forestry and Environmental Studies Doctoral Conference. New Haven, CT, Feb. 21.

*Graduate Student

INVITED PRESENTATIONS

- 86) **Powell, R.B.**, Anderson, K., Stern, M.J., & Lee, K. (2023) *Evidence-based Learning Network: Shifting evaluation from accountability to learning*. National Park Service Education Summit. Mar. 29.

- 85) **Powell, R.B.** & Stern, M.J., (2023) What works best for environmental education school field trips? International programs on environmental education and interpretation; Park and Protected Area Managers in Ukraine and Georgia. Earth Island Institute. Mar. 28
- 84) **Powell, R.B.** (2022) Adaptive management—Answering questions with data. Ronald H. Walker Leadership Training Program. Clemson University Institute for Parks. Oct. 6.
- 83) **Powell, R.B.** & Stern, M.J. (2022) Lessons from 2 decades of collaboration. NAAEE Research Symposium. Keynote. Oct. 12.
- 82) **Powell, R.B.** & Stern, M.J. (2022) Evaluating and Informing the future of NPS Interpretation planning. National Park Service, SE Region, Planning Open House. Jan. 13.
- 81) **Powell, R.B.** (2021) Adaptive management—Answering questions with data. Ronald H. Walker Leadership Training Program. Clemson University Institute for Parks. Nov. 3.
- 80) **Powell, R.B.** (2020) Research and decision-making. Ronald H. Walker Leadership Training Program. Clemson University Institute for Parks. Oct. 20.
- 79) **Powell, R.B.** & Stern, M.J. (2020) What leads to better outcomes in interpretation and environmental education? Interagency Interpretation & Education in Wilderness Training. Arthur Carhart National Wilderness Training Center. Nov. 17.
- 78) Merritt, E., Stern, M.J., Frensley, B.T., & **Powell, R.B.** (2020) Design principles for online EE programs. NAAEE. Wash. D.C. Sept. 10
- 77) Stern, M.J. & **Powell, R.B.** (2020) What does research tell us about how to do better environmental education? Maine Environmental Education Association Annual Research Symposium. Belfast, ME. March 5, 2020.
- 76) **Powell, R.B.**, Frensley, B.T., & Stern, M.J. (2020) What leads to better outcomes in environmental education? Oregon Outdoor Schools Learning Network Workshop, Lebanon, OR. Jan.21-22.
- 75) Stern M.J. & **Powell, R.B.** (2019) Meet the Editors: Journal of Interpretation Research. National Association for Interpretation, Denver, CO. Nov.14.
- 74) Bliss, K. & **Powell, R.B.** (2019) The evolving craft of Interpretation. SE Region Interpretation Chiefs Annual Meeting. Jacksonville, FL. Sept. 9.
- 73) **Powell, R.B.** & Stern, M.J. (2019) Is there a consistent set of outcomes to which all Environmental Education programs should aspire? NSF Advancing Informal STEM Learning Program Principal Investigator Meeting. Center for the Advancement of Informal Science Education. Alexandria, VA. Feb. 11-13.
- 72) **Powell, R.B.** (2019) Developing crosscutting outcomes for environmental education. Environmental Education Evaluation Convening, Pisces Foundation, San Francisco. Jan. 11.
- 71) Stern, M.J., & **Powell, R.B.** (2018) Developing crosscutting outcomes for environmental education. Environmental Education Evaluation Convening, Duke Univ. Sept. 21-22.
- 70) Holland, W.H.* & **Powell, R.B.** (2018) Evaluating the impact of the North Carolina Outward Bound Educator Initiative Program in fostering personal growth and confidence in experiential education methods. NCOB, Asheville, NC. July 24.
- 69) Story, T.* & **Powell, R.B.** (2018) Understanding the landscape of Environmental Education in Congaree Biosphere Reserve. Margaret H. Lloyd-Smartstate Endowment Hardscrabble Symposium. Clemson, SC. May 23.
- 68) **Powell, R.B.** (2018) Developing a culture of learning based on monitoring and evaluation. 2018 South Carolina Outreach and Informal Educators Summit (SCOIES). Saluda Shoals Park, Irmo, SC. Jan. 3.
- 67) **Powell, R.B.** (2017) Monitoring and evaluating environmental education. Interpretive Development Program. Managing Curriculum Based Education Workshop. Stephen T. Mather Training Center.

- 66) **Powell, R.B.** (2017) Institute for Parks at Clemson University. University of California-Merced. Yosemite National Park. April 10.
- 65) **Powell, R.B.** (2016) Identifying outcomes for informal environmental education. National Park Service Advisory Board Education Committee. Yosemite National Park. Dec. 1-2.
- 64) **Powell, R.B.** (2016) Investigating informal environmental education in park and tourist environments: What leads to better visitor outcomes? Yale University. School of Forestry and Environmental Studies. April 20.
- 63) **Powell, R.B.** (2016) Monitoring and evaluating environmental education. Interpretive Development Program. Managing Curriculum Based Education Workshop. Stephen T. Mather Training Center. Mar.11.
- 62) **Powell, R.B.** (2016) Investigating informal environmental education in park and tourist environments: What leads to better visitor outcomes? Clemson University. Department of Parks, Recreation, and Tourism Management. Feb. 26.
- 61) **Powell, R.B.** (2016) Developing a culture of learning based on monitoring and evaluation. Interpretive Development Program. Managing Curriculum Based Education Workshop. Stephen T. Mather Training Center. Jan.12.
- 60) **Powell, R.B.**, Vinson, C., White, D., & Whitman, R. (2015) Open Parks Network. National Association of State Park Directors Conference. Greenville, SC. Sept. 10.
- 59) Spencer, J.H., **Powell, R.B.**, Green, T.F., Das, P. & Sui, H. (2015) International Plan for Dong Van Karst Plateau Global Geo-Park, Ha Giang Province Until 2030. People's Committee of Ha Giang, Viet Nam. June 19.
- 58) **Powell, R.B.** (2015) Developing a culture of learning based on monitoring and evaluation. Interpretive Development Program. Managing Curriculum Based Education Workshop. Stephen T. Mather Training Center. April 8.
- 57) **Powell, R. B.** (2015) Investigating informal education in extraordinary natural environments: What leads to better visitor outcomes? Woods Institute for the Environment; Emmett Interdisciplinary Program in Environment and Resources; School of Education. Stanford University, Palo Alto, CA. April 3.
- 56) Spencer, J.H., **Powell, R.B.**, Green, T.F., & Nguyem, M.T. (2015) International Plan for Dong Van Karst Plateau Global Geo-Park, Ha Giang Province Until 2030. People's Committee of Ha Giang, Viet Nam. Mar. 19.
- 55) **Powell, R.B.** (2015) Analyzing and presenting evaluation data: How do we do it? Interpretive Development Program. Developing and Implementing Curriculum Based Education Workshop. Stephen T. Mather Training Center. Jan.23.
- 54) **Powell, R.B.** (2014) Analyzing and presenting evaluation data: How do we do it? Interpretive Development Program. Developing and Implementing Curriculum Based Education Workshop. Stephen T. Mather Training Center. Aug.8.
- 53) **Powell, R.B.** and Wright, B.A. (2014) Training Needs Assessment for Interpretation and Education in the National Park Service. Interpretive Development Program. Coaching and Certification Visioning Workshop. Stephen T. Mather Training Center. Sherpherdstown WV. June 16-18.
- 52) **Powell, R.B.**, (2014) In the Wake of Shackleton: An Antarctic Adventure Story. Thoughts Worth Thinking Speaker Series. Calhoun Honors College and Pearce Center. Clemson University. April, 23rd
- 51) Rowland, E., Sharma, S. & **Powell, R.B.** (2013) Innovation and Technology in Conservation. Global Leadership for Results Conservation Program. Bhutan Dept. of Forests and Park Services and World Bank. Thimphu, Bhutan. Nov. 14-20
- 50) **Powell, R.B.** & Gyeltsen, N. (2013) Incentive-based Conservation Strategies: Ecotourism. Global Leadership for Results Conservation Program. Bhutan Dept. of Forests and Park Services and World Bank. Thimphu, Bhutan. Nov. 14-20

- 49) Sharma, S. & **Powell, R.B.** (2013) Integrated Conservation Planning and the Open Parks Network. Global Leadership for Results Conservation Program. Bhutan Dept. of Forests and Park Services and World Bank. Thimphu, Bhutan. Nov. 14-20
- 48) **Powell, R.B.** (2013) Best Practices for Interpretation and Education in the National Park Service. Interpretive Development Program. Coaching and Certification Visioning Workshop. Stephen T. Mather Training Center. Shepherdstown, WV. September 16 – 20, 2013
- 47) **Powell, R.B.** (2013) Updating outcomes for Interpretation and Education in the National Park Service. Interpretive Development Program. Coaching and Certification Visioning Workshop. Stephen T. Mather Training Center. Shepherdstown, WV. September 16 – 20, 2013
- 46) **Powell, R.B.**, (2013) Leadership, Adaptation, and Grit: Sea Kayaking around South Georgia Island. PRTM EDGE Semester Conference. Clemson University.
- 45) **Powell, R.B.** (2013) Clemson University's role in securing a sustainable future. Strategic Hires Meeting; Office of the Provost and VP of Academic Affairs. Clemson University. Jan. 22.
- 44) **Powell, R.B.** & Stern MJ (2013) Lessons learned from 4 years of Together Green for improving conservation. Together Green Grants and Fellows Webex Presentation. National Audubon Society. Jan. 17.
- 43) **Powell, R.B.** (2012) Institute for Parks at Clemson University. Institute for Parks Board of Advisors, Clemson University. Oct. 29.
- 42) **Powell, R.B.** & Stern, M.J. (2012) Assessing the health of interpretation and education in the National Park Service. National Education Council, National Park Service. Sept. 11.
- 41) **Powell, R.B.** (2012) Conservation planning and evaluation. Together Green Grants and Fellows Webex Training Workshop. June 12+July 17.
- 40) **Powell, R.B.**, (2012) Conservation planning and evaluation. Together Green Fellowship Training Workshop. National Audubon Society. Aulwood Nature Center, Dayton OH. May 30.
- 39) **Powell, R.B.**, (2012) Sea Kayaking around South Georgia Island. Baylor School. May 25.
- 38) **Powell, R.B.**, (2012) Sea Kayaking around South Georgia Island. PRTM EDGE Semester Conference. April 8.
- 37) **Powell, R. B.** (2012). An evaluation of the Great Smoky Mountains National Park Curriculum-based Education Programs. Great Smoky Mountains National Park. Nov.
- 36) **Powell, R. B.** & Stern, M.J. (2012). An evaluation of the Great Smoky Mountains National Park Curriculum-based Education Programs. Great Smoky Mountains National Park. Feb.
- 35) **Powell, R.B.** (2011) Conservation planning and evaluation. Together Green Grants Webex Training Workshop. Oct. 6+12.
- 34) **Powell, R.B.**, (2011) Conservation planning and evaluation. Together Green Fellowship Training Workshop. National Audubon Society. National Conservation Training Center, Shepardstown, WV. Sept.30.
- 33) **Powell, R.B.**, (2011) Sea Kayaking around South Georgia Island. PRTM EDGE Semester Conference.
- 32) **Powell, R.B.** & Stern, M.J. (2010) Assessing the health of interpretation and education in the National Park Service. National Education Council, National Park Service. Las Vegas, NV Nov. 18.
- 31) **Powell, R.B.**, (2010) Conservation planning and evaluation. Together Green Grants Workshop. National Audubon Society. National Conservation Training Center, Shepardstown, WV. Nov.11.
- 30) **Powell, R.B.** (2010) Conservation planning and evaluation. Together Green Grants Webex Training Workshop. Aug.18 & 23.

- 29) Vezeau, S.*, **Powell, R. B.** & Stern, M.J. (2010). Stewardship 101: An evaluation of the Great Smoky Mountains National Park Jr. Ranger Program. Great Smoky Mountains National Park. June 17.
- 28) Stern, M.J., & **Powell, R.B.** (2010). Understanding motivations, barriers, and benefits of interpretive program participation at Great Smoky Mountains National Park. Great Smoky Mountains National Park. June 17.
- 27) Wright, M.E. *, Stern, M.J., & **Powell, R.B.** (2010) Barriers and motivations to environmental education program participation at Great Smoky Mountains National Park. Great Smoky Mountains National Park. June 17.
- 26) **Powell, R.B.**, (2010) The use of strategic communication and interpretation for enhancing ecotourism experiences in protected areas. Virginia Tech. Department of Forest Resources and Environmental Conservation. April 9.
- 25) **Powell, R.B.**, (2010) Sea Kayaking around South Georgia Island: Interpretation of science for the general public. Virginia Tech, Department of Forest Resources and Environmental Conservation. April 8.
- 24) **Powell, R.B.**, Stern, M.J., Ardoin, N., & Wynveen, C. (2009) A systematic investigation into community-based conservation initiatives, leadership training, and other factors that lead to conservation outcomes. Texas A&M Department of Recreation, Park, and Tourism Sciences. Dec. 4.
- 23) **Powell, R.B.** (2009) Approaches for programmatic evaluation. National Turkey Federation and Responsiveness Management. Nov. 9.
- 22) **Powell, R.B.** (2009) The role of passion in research and teaching. Clemson University President's Advisory Board Meeting. Clemson University, Clemson, SC. Nov. 6.
- 21) **Powell, R.B.** & Stern, M.J. (2009) Assessing the health of interpretation and education in the National Park Service. National Education Council, National Park Service. Washington DC Oct. 28.
- 20) **Powell, R.B.** (2009) The Value of Parks National Scholars Seminar. Clemson University, College of Health, Education, and Human Development Annual Advisory Board Meeting. Oct. 23.
- 19) **Powell, R.B.** (2009) Strategic communication and interpretation. Wofford College. Oct. 21.
- 18) **Powell, R.B.**, & Wynveen, C. (2009) Conservation planning and evaluation. Together Green Grants Webex Training Workshop. Oct. 8 and 9.
- 17) **Powell, R.B.**, Wynveen, C., Stern, M.J., & Ardoin, N. (2009) Conservation planning and evaluation. Together Green Grants Workshop. National Conservation Training Center, Shepardstown, WV. Sept. 22.
- 16) **Powell, R.B.**, (2009) Do nature experiences improve quality of life? University of New Haven, Jan. 29, 2009.
- 15) **Powell, R.B.** (2009) Sea Kayaking around South Georgia Island. Baylor School. Camp Chatuge. May 25.
- 14) **Powell, R.B.** (2008) Conservation planning and evaluation. Together Green Training Workshop. Dec. 8 and 13.
- 13) **Powell, R.B.**, & Ardoin, N. (2008) Conservation planning and evaluation. Together Green Grants Workshop. National Conservation Training Center, Shepardstown, WV. Oct. 14.
- 12) **Powell, R. B.** & Vagias, W.* (2008): Research to improve ORV education at Big Cypress National Preserve (BICY). The BICY ORV Advisory Group Stakeholder Meeting, Everglades City, FL. May 28.
- 11) **Powell, R.B.** (2008) Sea Kayaking around South Georgia Island. Baylor School. Camp Chatuge. May 24.
- 10) Stern, M.J., **Powell, R.B.** & Ardoin, N.M. (2008) *Evaluation workshop for the Audubon-Toyota Together Green Program*. National Audubon Society, Washington, DC, Oct.
- 9) **Powell, R.B.** & Stern, M.J. (2007) *Research for sustainable adaptive management of environmental education and outreach at Great Smoky Mountains National Park*. Twin Creeks, Great Smoky Mountains National Park, December 6-7.

- 8) **Powell, R. B.** (2007) *Visitor philanthropy*. 3rd Annual Sustainable Coastal Tourism in Asia Stakeholders Conference. USAID. Dumaguete, Philippines. June 18-22.
- 7) **Powell, R. B.** (2007) *Improving and adapting programs to changing conditions*. 3rd Annual Sustainable Coastal Tourism in Asia Stakeholders Conference. USAID. Dumaguete, Philippines. June 18-22.
- 6) **Powell, R. B.** (2007) *Restoration of Hikkaduwa into a sustainable tourism destination and resilient coastal community*. Sustainable Coastal Tourism in Asia-Sri Lanka. USAID. Colombo, Sri Lanka. June 12, 2007
- 5) Stern, M.J., **Powell, R.B.**, & Ardoin, N.M. (2005) Strategic planning for a sustainable evaluation system for the NorthBay Adventure Center." NorthBay Adventure Center, Northeast, MD. June 10.
- 4) **Powell, R.B.** (2007) Sea Kayaking around South Georgia Island. Baylor School. Camp Chatuge, SC. May 24.
- 3) **Powell, R.B.**, Stern, M.J., & Ardoin, N.M. (2004). Towards an internally sustainable evaluation system for Great Smoky Mountains Institute at Tremont. Great Smoky Mountains Institute at Tremont, Great Smoky Mountains National Park. December 16-17
- 2) **Powell, R.** (2004) *2003 GCNP commercial river visitor study: Effects of participation on knowledge, attitudes toward park management, environmental values, environmental behaviors, and satisfaction*. Grand Canyon River Outfitters Association. Flagstaff, AZ, July 23.
- 1) **Powell, R.** (2004) *2003 GCNP commercial river visitor study: Effects of participation on knowledge, attitudes toward park management, environmental values, environmental behaviors, and satisfaction*. Grand Canyon National Park, Grand Canyon, AZ, July 21.

AWARDS

- 2023 College of Behavioral, Social and Health Sciences Outstanding Journal Publication Award
- 2022 Outstanding Contributions to Research in Environmental Education Award. North American Association for Environmental Education.
- 2016 Bronze Medal (Co-Recipient), Viet Nam Urban Planning Awards "Best Regional Plan" for Dong Van Karst Plateau Global Geo-Park Planning: Ha Giang Province Until 2030. Ha Noi, VN: Viet Nam Institute for Urban and Rural Planning. Commissioned by the Prime Minister of Viet Nam.
- 2016 Clemson University. College of Health, Education, and Human Development. Excellence in Research
- 2014 Honors College and Pearce Center. Clemson University. Thoughts Worth Thinking Speaker
- 2003 Canon National Parks Science Scholars Program (Honorable mention) (1K)
- 2003 Tropical Resource Institute Research Grant (2.5K)
- 2002 Yale Center for International and Area Studies Tinker Foundation Field Research Award (2K)
- 2002 Yale Institute for Biospheric Studies Fellowship (3K)
- 2002 Yale Center for International and Area Studies Pre-dissertation Research Grant (3K)
- 2000 The Wilderness Society's Gloria Barron Wilderness Scholarship for Environmental Writing (2K)
- 1996 W.L. Gore Shipton-Tilman Grant (10K)

PUBLICATIONS, MEDIA, AND FEATURES

NAAEE. (2022) Professors from Clemson University and Virginia Tech Recognized for Contributions to Environmental Education Research. <https://naaee.org/news/press-room/professors-clemson-university-and-virginia-tech-recognized-contributions>

Merritt, E., Stern, M., Powell, R.B., & Frensley, T. (2020) Principles to enhance distance learning in Environmental Education. Directions. Association of Nature Center Administrators. Fall, 1-4.
https://natctr.org/images/Publications/Directions/2020-4_Fall/2020-4_Fall_Directions.pdf

Staton, Michael (2019) Researchers to use \$1.94 million grant to improve environmental education field trips. Clemson University.
https://newsstand.clemson.edu/mediarelations/researchers-to-use-1-94-million-grant-to-improve-environmental-education-field-trips/?utm_source=homepage

Yu, Alan. (2018) Antarctica needs humans to protect it. It also needs humans to stay away. What's a potential visitor to do? Public Radio International's *The World*. June 11. <https://www.pri.org/stories/2018-06-11/antarctica-needs-humans-protect-it-it-also-needs-humans-stay-away-whats-potential>

Parrish, F. (2018) Research suggests task is as important as temperature in cold weather work. Clemson University. The News Stand. <http://newsstand.clemson.edu/mediarelations/research-suggests-task-is-as-important-as-temperature-in-cold-weather-work/>

Dennehy, K. (2016) From river guide to academia, exploring nature's power to inspire. Yale School of Forestry and Environmental Studies News. <http://environment.yale.edu/news/article/from-ecotourism-to-academia-robert-powell-explores-natures-power-to-inspire/>

Kieve, M. (2015) Powell named Hartzog Endowed Professor in Philosophy, Parks and Environmental Ethics. Clemson University, The News Stand. <http://newsstand.clemson.edu/mediarelations/powell-named-hartzog-endowed-professor-in-philosophy-parks-and-environmental-ethics/>

Stepan, K. (2007) Guidance Counselor – Hate your job? Wanna paddle more? See the Guidance Counselor. Paddling Professor. Canoe and Kayak. July.

Finney, A. (2000) In the wake of Shackleton: Sea kayaking South Georgia Island. Paddler Magazine, 20 (5)

UNIVERSITY TEACHING

Department of Parks, Recreation and Tourism Management, Clemson University.

PRTM 201: The Recreation Environment (2005-2006)

PRTM 2700: Introduction to Parks and Outdoor Recreation Management (2020-2021)

PRTM 298: (Undergraduate Research): Managing Recreation in the Clemson Experimental Forest (2006)

PRTM 3910: Outdoor Recreation Management and Administration (2017)

PRTM 4030: Elements of Park Planning (2006-2020)

PRTM 4300/6300: World Geography of Parks and Equivalent Reserves (2006-2019)

PRTM 8040: Environmental Education Graduate Seminar (2019-2020)

PRTM 8910: Independent Study (2007-present)

PRTM 9000: Integrated Conservation and Development Graduate Seminar (2012)

PRTM 9000: Interdisciplinary Park and Protected Area Management

PRTM 9000: Graduate Conservation Reading Seminar (2013-2014)

PRTM 9910: Doctoral Research (2007-present)

National Scholars Program, Clemson University.

PRTM 391 Honors: Values of Parks Seminar and Maymester Study Abroad in Grand Canyon National Park (2016)

PRTM 398 Honors: Exploring Tiger Conservation in Bhutan Seminar and Maymester Study Abroad Course (2014)

PRTM 498 Honors: Values of Parks Seminar and Maymester Study Abroad Course in Grand Canyon and Zion National Parks (2010)

Department of Forestry and Environmental Conservation; Clemson University.

FOR 4310/4310L; 6310/6310L: Recreation Resource Planning in Forest Management (2007-2020)

FOR 9910: Doctoral Research (2009-present)

Yale University School of Forestry and Environmental Studies. (Teaching Assistant)

Environmental Ethics: The Good in Nature and Humanity (2003)

Human Dimensions in the Conservation of Biodiversity (2002)

GRADUATE ADVISING

Title	Degree	Student	Advisor	Status	Placement
TBD	M.S.	A. Hawes	R. Powell	Expected 2025	
TBD	M.S.	J. Henry	R. Powell	Expected 2025	
TBD	M.S.	C. Miller	R. Powell	Expected 2025	
Strategic planning for Education in the National Park Service	Ph.D.	J. Jahn	R. Powell	Expected 2025	
Professional development needs assessment for environmental educators in the U.S.	M.S.	L. Bannister-Woods	R. Powell	May, 2021	NPS
Relationship between the naturalness of environmental education field trip settings and student learning outcomes.	M.S.	L. Kiewra	R. Powell	Dec. 2021	Michigan State PHD Program
The role of civic engagement and advocacy in environmental education.	M.S.	E. Meier	R. Powell	Dec., 2021	Presidential Management Fellow
The role of environmental education in supporting the goals of Congaree Biosphere Reserve.	M.S. (WDLF)	T. Story	R. Powell	Dec., 2019	Southern Sea Ventures
Urban greenspace and crime: What are the relationships?	Ph.D.	S. Ogletree	Powell + White	Dec., 2019	NC State Univ.
Insights from diverse stakeholders around Indian tiger reserves.	Ph.D.	D. Singh	R. Powell	Dec., 2019	TBD
Evaluating experiential wilderness-based teacher continuing education programs.	Ph.D.	H. Holland	R. Powell	Aug., 2019	UNC-Wilmington
The role of emotional support on student outcomes associated with informal STEM field trips.	M.S.	A. O'Hare	R. Powell	May, 2019	Environmental Consulting
The influence of natural settings on student outcomes associated with informal STEM field trips.	M.S.	R. Dale	R. Powell	May, 2019	Nantahala Outdoor Center
Exploring the social context of <i>Panthera</i> conservation.	Ph.D.	K. Holland	R. Powell + L. Larson	May, 2019	UNC-Wilmington
Environmental Values of Residents of Dong Van Karst Plateau Geopark, Vietnam.	M.S.	M. Duda	R. Powell	May, 2016	Americorp
Vulnerability and resilience of tourism systems in Dana Biosphere Reserve, Jordan	Ph.D.	M. Jamaliah	R. Powell	May, 2015	Univ. of Jordan-Aqaba
Measuring and Examining the Benefits of Hunting	Ph.D. (WDLF)	S. Gwynn	R. Powell	May, 2015	Clemson Univ. Extension
The role of elaboration in influencing stewardship behaviors in children.	Ph.D.	S. Vezeau	R. Powell	Aug., 2014	National Park Service
The life cycle and characteristics of effective organizations that facilitate landscape level conservation	Ph.D.	J. Thomsen	R. Powell	Aug., 2014	Univ. Montana
The influence of flagship species on in situ and ex situ wildlife tourists' connection to wildlife and pro-conservation behaviors.	Ph.D.	J. Skibins	R. Powell	May, 2012	East Carolina Univ.
Validating assumptions: Testing best practices in interpretation in the National Park Service	M.S.	E. Benson	R. Powell	May, 2012	National Park Service
Lead and Cadmium in sea birds of South Africa	M.S. (WDLF)	C. Summers	Bowerman-Powell	May, 2012	BLM
An integrated approach to assessing resilience and sustainability of community tourism in the Commonwealth of Dominica	Ph.D.	P. Holladay	R. Powell	May, 2011	Troy Univ.
Evaluating wilderness education on public lands	Ph.D.	W. Vagias	R. Powell	Dec., 2009	NPS
Influence of recreational activity and setting on mental restoration	M.S.	L. Haynie	R. Powell	May, 2008	Campus Rec., UGA

GRADUATE COMMITTEE SERVICE/ADVISING

Title	Degree	Student	University	Major Advisor	Status
TBD	M.S.	M. Caddle	Virginia Tech	M. Stern	2025
TBD	M.S.	P. Crane	Virginia Tech	M. Stern	2025
TBD	M.S.	M.G. Larson	Virginia Tech	M. Stern	2025
TBD	Ph.D.	A. Maynard	Clemson	M. Browning	2025
Understanding visitors' and community perceptions of recreation at El Yunque National Forest	M.S.	L. Santiago	Clemson	J. Hallo	2024
Exploring the influence of sociopolitical context on environmental education field trip effectiveness for adolescent youth in the United States	M.S.	E. Thorpe	Virginia Tech	M. Stern	2022
Exploring culturally responsive teaching and environmental education	M.S.	M. Pownall	Virginia Tech	M. Stern	2022
Investigating aspects of program attendance, diversity, equity, and inclusion, adaptive management, and evaluation in environmental education.	Ph. D.	K. Anderson	Virginia Tech	M. Stern	2021
Conservation planning in Congaree Biosphere Reserve	Ph. D.	J. Dertien	Clemson	R. Baldwin	2021
Illuminating perceptions of social-ecological complexity for more holistic management of parks and protected areas.	Ph.D.	M. Blacketer	Clemson	M. Brownlee	2020
TBD	Ph.D.	A. Soto	Clemson	B. Garst	Expected 2024
An Exploration of the relationships between moral foundations, communications, and behavioral intent regarding global tiger conservation.	M.S.	L. Orr	Clemson	B. Wright	2020

Instructor motivation within environmental education organizations	M.S.	D. Pratson	Virginia Tech	M. Stern	2019
Assessing the influence of preparation and follow-up on student outcomes associated with environmental education field trips.	M.S.	H. Lee	Virginia Tech	M. Stern	2019
Taking the plunge: Enhancing the visitor experience in waterfall-based state parks.	M.S.	M. McGuinness	Clemson	J. Hallo	2018
Evidence for self-control recalibration during thermal stress.	Ph.D.	D. Morris	Clemson	J. Pilcher	2018
Investigating the links between lesson characteristics, student engagement, and outcomes at a residential environmental education program.	Ph.D.	T. Frensley	Virginia Tech	M. Stern	2018
Community conservation enterprises as a model for improving livelihoods and conservation of mountain gorillas across the Greater Virunga Transboundary Landscape	Ph.D.	E. Sabhura	Clemson	B. Wright	2018
The transmission of environmental values from sources of influence to young adults: Toward an understanding of the process leading to environmental values internalization.	Ph.D.	G. Depper	Clemson	B. Wright	2017
Bear safety in Yellowstone National Park: An empirical model of the relationship between elaboration and the theory of planned behavior.	Ph.D.	Z. Miller	Montana	W. Freimund	2017
Managing night skies as visitor resources	Ph.D.	B. Smith	Clemson	J. Hallo	ABD
Understanding group cohesion of festival and events attendees satisfaction and intention to revisit.	Ph.D.	Y. Kong	Clemson	S. Backman	2016
Solving spatial challenges for large-landscape conservation using "big data"	Ph.D. (FEC)	P. Leonard	Clemson	R. Baldwin	2015
How does a city rise from decay to green? Tracing the city of Chattanooga's Sustainability Path and the city's rebirth.	Ph.D.	B. Kitheca	Clemson	B. Baldwin	2015
Travelers' philanthropy: Understanding tourists' motivations to donate at Sweetwater Chimpanzee Sanctuary.	M.S.	H. Sgalitzer	Utah	M. Brownlee	2014
Poachers, gorillas, and alternative livelihoods.	PH.D.	I. Munanura	Clemson	K. Backman	2013
Volunteer tourism and philanthropy	M.S.	M. Nance	Clemson	K. Backman	2013
Site substitution and crowding	M.S.	J. Fix	Clemson	J. Hallo	2013
Self actualization and peak experiences in outdoor recreation.	M.S.	J. Vogler	Clemson	B. Baldwin	2012
Visitors perceptions of environmental change: Implications for adaptive management	Ph.D.	M. Brownlee	Clemson	J. Hallo	2012
The influence of interpretive ranger characteristics and delivery styles on educational outcomes in the National Park Service	M.S.	K. McClean	Virginia Tech	M.J. Stern	2012
Conservation and physiological ecology of seabirds at protected islands in South Carolina	Ph.D.	L. Eggert	Clemson	P. Jodice	2012
Participation of local people in landscape level conservation: An analysis of the Meso American Corridor initiative	M.S.	C. Mora	Clemson	B. Baldwin	2011
Distribution and nesting activities of sea birds on the South Carolina coast	M.S.	G. Brooks	Clemson	P. Jodice	2011
Barriers to teacher involvement in Great Smoky Mountains National Park sponsored Environmental Education programs	M.S.	B. Wright	Virginia Tech	M.J. Stern	2010
Barriers to participating in the tourism economy in Tanzania	Ph.D.	S. Slocum	Clemson	K. Backman	2010
Distribution and abundance of ship-following seabirds: Assessing the potential impacts of shrimp trawling on seabirds in S.C.	M.S. (WDLF)	L. Wycliffe	Clemson	P. Jodice	2008
Identifying with Tourists: Emotional solidarity between hosts and tourists	Ph.D.	K. Woosnam	Clemson	W. Norman	2008
Using interactional theory to improve the interpretation of cultural resources.	M.S.	J. Fino	Clemson	K. Backman	2008
Skills assessment for interpreters working for Land Management agencies	M.S.	J. Ivey	Clemson	R. Bixler	2007
Wilderness Trail Planning: Mitigating the impacts of stream crossings	M.F.R.	A. Lucas	Clemson	C. Bolding	2007
Meaningful Learning at a National Historic Site	Ph.D.	C. Van Winkle	Clemson	K. Backman	2007

SERVICE

- 2022-2023 New faculty mentoring facilitator. College of Behavioral, Social, and Health Sciences. Clemson University.
- 2022-2024 Undergraduate program committee. Department of Parks, Recreation, and Tourism Management.
- 2022-2023 National Park Service SE Region Interpretation Training. Making a difference through Interpretation Training program. Subject matter expert. National Park Service.

2022	External reviewer for Joshua Tree National Park Graduate Student Research Grant Program. Joshua Tree National Park Association.
2022	Chair of Department of Parks, Recreation, and Tourism Management Non-profit Leadership Faculty Search Committee
2021	Department of Parks, Recreation, and Tourism Management Department Chair Search Committee
2019- present	Co-Editor, <i>Journal of Interpretation Research</i>
2019	Reviewer. University of Mississippi NSF AISL Internal Pre-proposals. Univ. of Mississippi Office of Research and Sponsored Programs.
2019	National Science Foundation Review Panelist: Advancing Informal STEM Learning (AISL)
2018-2019	Department of Parks, Recreation, and Tourism Management Faculty Mentoring (Gagnon, Sene-Harper, and Perry)
2017-2019	Chairman of Department of Parks, Recreation, and Tourism Management Tenure, Promotion, and Reappointment Committee
2017-2019	Department of Parks, Recreation, and Tourism Management Chair Advisory Committee
2018-2019	National Association of Interpretation. <i>Journal of Interpretation Research</i> Task Force
2018	George Wright Society and National Park Service. Social Science Park Break Selection Committee and Program Faculty
2017-2018	College of Behavioral, Social, and Health Sciences Dean Search Committee
2016-2017	Department of Parks, Recreation, and Tourism Management Tenure, Promotion, and Reappointment Committee
2016-2018	Department of Parks, Recreation, and Tourism Management Scholarship and Awards Committee
2016	Chairman of Parks and Conservation Area Faculty Search Committee, Clemson University, Department of Parks, Recreation, and Tourism Management
2009-present	International Union for Conservation of Nature (IUCN), World Commission on Protected Areas. <i>Member</i>
2009-present	International Union for Conservation of Nature (IUCN), Commission on Education and Communication. <i>Member</i>
2016	Forest Economics and Management Faculty Search Committee, Clemson University, Department of Forestry and Environmental Conservation.
2015	George Wright Society and National Park Service. Social Science Park Break Selection Committee and Program Faculty
2013-present	External reviewer of faculty for Tenure, Promotion, and Reappointment. NC State, Penn. State, Oregon State, Auburn, West Virginia Univ., Texas A+M, Indiana Univ., and Monash Univ.
2013-present	Director. Institute for Parks, Clemson University.
2006-present	South Georgia Island Government Expeditions Review Panel. South Georgia Island Government, Falkland Islands Dependency.
2012-present	Faculty Advisor to the Clemson University Chapter of George Wright Society-Parks and Conservation Area Management Graduate Student Organization

2010-2018	National Scholars Program Faculty. Serve in selection process for prospective National Scholars and develop and teach seminars and international/national travel abroad experiences for program (2010-Grand Canyon and Zion National Parks; 2014-Bhutan; 2016-Grand Canyon National Park River Rafting Trip).
2013-2015	Chairman of the College of Health, Education, and Human Development Sustainable Environment Task Force
2012	<i>Park and Protected Area Management Faculty Search Committee</i> , Clemson University, Department of Parks, Recreation, and Tourism Management.
2011-2015	Sustainable Trails Advisory Group, Clemson Experimental Forest, College of Agriculture, Forest, and Life Sciences
2011	<i>Travel and Tourism Management Faculty Search Committee</i> , Clemson University, Department of Parks, Recreation, and Tourism Management.
2008-2015	Department of Parks, Recreation, and Tourism Management Undergraduate Curriculum Committee
2012-2013	Chairman of Department of Parks, Recreation, and Tourism Management Tenure, Promotion, and Reappointment Committee
2012	Department of Parks, Recreation, and Tourism Management Chair Evaluation Committee
2011-2013	Director of Research. Institute for Parks, Clemson University.
2011-2014	Department of Parks, Recreation, and Tourism Management Tenure, Promotion, and Reappointment Committee
2011-2014	Department of Parks, Recreation, and Tourism Management Executive Advisory Committee
2011	Western Carolina University, Parks and Recreation Management academic program review. Office of the Provost, Cullowhee, NC.
2010-2013	Clemson University, Research Council. Representative for the College of Health, Education, and Human Development.
2008-2012	TogetherGreen Advisory Board. TogetherGreen is a conservation initiative administered by the National Audubon Society and supported by Toyota, USA.
2006-2011	Inner Asia Conservation (IAC). <i>Board of Directors</i> . IAC is a 501 (c)(3) that implements conservation and development projects in the eastern Himalaya (China, Myanmar, India, and Nepal).
2007	<i>Park and Protected Area Management Faculty Search Committee</i> , Clemson University, Department of Parks, Recreation, and Tourism Management.
2005-2008	Department of Parks, Recreation, and Tourism Management Executive Advisory Committee
2006	<i>Park and Protected Area Management Faculty Search Committee</i> , Clemson University, Department of Parks, Recreation, and Tourism Management.

EDITORSHIPS

2019- present	Co-Editor, <i>Journal of Interpretation Research</i>
2012-present	Associate Editor for <i>Journal of Ecotourism</i>
2017-2020	<i>Society and Natural Resources</i> Editorial Board

INVITED REVIEW OF MANUSCRIPTS and PROPOSALS

Reviewer for:

Oryx
Society and Natural Resources
Environmental Conservation
Polar Record
Journal of Ecotourism
Conservation Biology
Journal of Interpretation Research
Annals of Tourism Research
Journal of Leisure Research
Environmental Management
Island Press (Book Proposals)
Environment and Behavior
Journal of Environmental Psychology
Journal of Cleaner Production
Ocean and Coastal Management
Integrative and Comparative Biology
Human Dimensions of Wildlife

Journal of Sustainable Forestry
Event Management
Journal of Leisure Sciences
Journal of Sustainable Tourism
Tourism Management
Environmental Education Research
Caribbean Studies
Journal of Rural Social Sciences
Leisure Sciences
Journal of Travel and Leisure Studies
Netherlands Polar Programme
Environmental Management
Polar Journal
International Journal of Disaster Risk Reduction
Global Environmental Change
Current Opinion in Environmental Sustainability
People and Nature

TRAINING

- 2023 Gary Everhardt Park Break Program: Reconstruction Era National Historical Park. May 14-21.
2022 Ron Walker Leadership Program. Oct. 2-7.
2022 Gary Everhardt Park Break Program: El Yunque National Forest. May 15-22.
2021 Ron Walker Leadership Program. Oct. 31-Nov.5.

RELATED PROFESSIONAL EXPERIENCE

- 2012- present *Environmental Education Research and Evaluation Consultant.*
Provide professional development, research, and evaluation services for organizations such as the US National Park Service, NAAEE, and other agencies and organizations.
- 2015-2016 *Sustainable Tourism Consultant, Third Rock Consulting, Inc. Greenville, SC.*
Part of an interdisciplinary team that developed the 2030 Plan for the Dong Van Karst Plateau Global Geopark in Ha Giang Province, for the Government of Viet Nam, Ministry of Construction.
- 2014-2019 *Antarctica Sea Kayak Leader; Aurora Expeditions and Southern Sea Ventures; Australia*
Guided Antarctica tours and sea kayak expeditions. Other responsibilities included natural history and history lectures and driving zodiac.
- 2012-2014 *Sustainable Tourism and Protected Areas Consultant, World Bank. Washington DC and Thimpu, Bhutan.* Assisted in planning and served as faculty for professional development leadership training program for Bhutan National Parks.
- 2007 *Sustainable Tourism and Coastal Management Consultant, Sustainable Coastal Tourism in Asia (SCOTIA) Sri Lanka USAID Program implemented by The Louis Berger Group, Inc.*
Through participatory techniques, developed a strategic plan for the restoration and resilience of coastal communities and Marine Protected Areas. Facilitated the formation of an inter-governmental task force (Government of Sri Lanka) for integrated coastal, marine protected area, and tourism management.
- 2005-2012 *Evaluation Consultant, North Bay Adventure Center, Maryland*
Developed an internally sustainable and adaptable evaluation system for the residential environmental education program.
- 2004-2006 *Evaluation Consultant, Great Smoky Mountains Institute at Tremont, Tennessee*
Developed an internal evaluation system for the Institute using participatory methods. Provided staff training for the administration, management, and analysis of the evaluation system.

- 2002-2004 *Expedition Leader, Explorers Corner, California*
Co-Leader of first commercial expeditionary sea kayak trips to Antarctica and South Georgia Island. Leader of sea kayak trips to Galapagos Islands, Ecuador.
- 2001-2003 *Antarctica Sea Kayak Expedition Leader; Aurora Expeditions and Southern Sea Ventures; Australia*
Guided Antarctica tours and sea kayak expeditions. Other responsibilities included natural history and history lectures and driving zodiac.
- 2002 *Grand Canyon River Guide, Moki Mac River Expeditions, Arizona*
Guided 14 day trips down the Colorado River through Grand Canyon National Park.
- 1998-2000 *Trip Leader, Southern Sea Ventures and Mountain Travel Sobek, Australia and California*
Managed and led ten-day sea kayak trips in the Yasawa Islands, Fiji. Supervised all aspects of the operation, including relationship management with indigenous villages.
- 1992-1998 *Director, Adventure Travel, Nantahala Outdoor Center, North Carolina*
Directed all aspects of the international adventure travel program that specialized in whitewater and sea kayaking trips to over 30 countries. Responsible for marketing, budgeting, supervising field and office staff, developing products, staff training, logistical support, and risk management. Developed and coordinated trips in Fiji, New Zealand, Nepal, India, Vietnam, France, Corsica, England, Scotland, Turkey, Greece, Mexico, Costa Rica, Honduras, Panama, Ecuador, Chile, Morocco, Dominica, Guadeloupe, Alaska, and Grand Canyon.
- 1994-1997 *Co-Chairman of the U.S. Canoe and Kayak Team National Wildwater Sub-Committee.*
Developed the budget and managed the programming for the national sport.
- 1994-1996 *Athlete Representative and Team Captain, U.S. Canoe and Kayak Team National Committee.*
Represented the U.S. Wildwater Team regarding financial and programmatic issues. Team representative at International Competitions.
- 1993-1998 *President and Board Member of the Nantahala Racing Club, North Carolina.*
Helped guide the overall direction of the non-profit organization. With the Board of Directors managed the executive director and coaches. Club sent four athletes to the 1996 Olympics.
- 1988-2001 *Lead Instructor and Adventure Travel Leader; Nantahala Outdoor Center; North Carolina*
Lead instructor of Sea Kayaking, Whitewater Kayaking, Canoeing, Rafting, and River Rescue. Conducted beginner to professional development level courses in all aspects of paddle sport. Led adventure travel trips to Maine, Alaska, Mexico, Ecuador, Turkey, Chile, Costa Rica, and the Grand Canyon, Greece, Fiji, Dominica, and Guadeloupe.
- 1985-1990 *Operations Manager and Whitewater Trip Leader, World Expeditions, Australia*
Managed the Franklin River operations (Tasmania). Led eleven-day expeditions on the Franklin River. Also led trips on the Murray (3 days), Nymboida (5 days), and Gwydir Rivers. Taught Raft Guide training and River Rescue courses. Led adventure travel trips to China and Nepal.
- 1984-1987 *Trip Leader and Guide Trainer, River Runners Ltd., Colorado*
Led raft trips on the Arkansas River. Supervised the safety and organization of trips while on the river. Taught Raft Guide training courses and River Rescue courses for new staff.
- 1985 *Trip Leader and Operations Manager, Rakaia River Rafts, Christchurch, New Zealand*
Led trips on the Rakaia, Huranui, Rangitata, and Landsborough rivers. Managed logistics.
- 1983 *Wilderness Ranger, U.S. Forest Service, Rio Grande National Forest, Colorado*
Responsible for educating visitors regarding minimum impact camping techniques and wilderness ethics. Trail maintenance and fire crew.
- 1982 *Field Research Assistant, Duke University and U.S. National Park Service, Yellowstone National Park and Escalante National Recreation Area.*
Conducted ecological monitoring and baseline studies to support wilderness visitor management.

EXPEDITIONS AND COMPETITION

- 2005-2006 *Expedition Team Member, South Georgia Island, Southern Ocean, Antarctica.*
Organized and participated in a two-month field-based research expedition focused on censusing two endangered bird species. Circumnavigated South Georgia Island, Southern Ocean by sea kayak.
- 1996-1997 *Expedition Team Member, South Georgia Island, Southern Ocean, Antarctica.*
Winner of the W.L. Gore Shipton-Tilman Grant in 1996. Organized and participated in a 52-day self-supported sea kayak expedition to circumnavigate South Georgia Island in the Southern Ocean.
- 1992-1996 *U.S. Canoe and Kayak Team Member, Single-Decked Canoe (C-1) Wildwater.*
Ranked #1 in U.S. 1994, '95, and '96. Ranked 13th in the World in 1995 & 1996. Competed in the 1993, 1995, and 1996 World Championships and in the 1992, 1994, 1995, and 1996 World Cup Race Series.
- 1990-1991 *Expedition Leader, Southern Chile.*
Organized and participated in a 75-day sea kayak expedition through the fjords of Southern Chile.
- 1984-1985 *Australia and New Zealand.*
Solo-bicycled from Brisbane to Melbourne, Australia and around both islands of New Zealand.