

## Robert B. Powell

George B. Hartzog, Jr. Endowed Professor in Philosophy, Parks, and Environmental Ethics  
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### ACADEMIC EMPLOYMENT

- 2016-present *Professor, Dept. of Parks, Recreation and Tourism Management; and Department of Forestry and Environmental Conservation; Clemson University.*
- 2014-present *George B. Hartzog, Jr. Endowed Professor in Philosophy, Parks, and Environmental Ethics*
- 2013-present Director, Institute for Parks, Clemson University.
- 2011-2016 *Associate Professor, Dept. of Parks, Recreation and Tourism Management; and Department of Forestry and Environmental Conservation; Clemson University.*
- 2011-2013 Director of Research. Institute for Parks, Clemson University.
- 2005-2011 *Assistant Professor, Dept. of Parks, Recreation and Tourism Management; and Dept. of Forestry and Natural Resources; Clemson University.*

### 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 Masters 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.

### RESEARCH INTERESTS

Research interests include interpretation and environmental education, informal STEM education, ecotourism, protected area management, outdoor recreation, and biodiversity conservation.

### EXTRAMURAL RESEARCH and OUTREACH (\$4,528,139 in external grants since 2005)

- 2019-2023 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 (\$150,000). Building a culture of and capacity for evaluation in Environmental Education: 2.0. Principal Investigator: 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., **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). (\$300,000) Pathways Grant. Methods development for systematic investigation of factors driving outcomes in informal STEM environmental education programs. Co-PIs: **R.B. Powell** & 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. (Consultant) 2030 Plan for the Dong Van Stone Plateau Global Geopark in Ha Giang Province, Viet Nam. Principal Investigator: J. Spencer (Clemson). Collaborator: **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. Co-principal Investigators: **R.B. Powell**, M.J. Stern (Virginia Tech), & N. Ardoin, (Stanford Univ.).
- 2011-2013 South Florida National Parks Trust (\$60,130). Evaluation and research of environmental education at Everglades National Park. Principal Investigator: **R.B. Powell**; Co-PIs: 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. (Consultant) Overcoming governance barriers to integrated coastal, marine protected area, and tourism management. Principal Investigator: **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: **R.B.Powell**. Project Principal Investigator: Sally Poncet (SGI Gov.)
- 2005-present North Bay Adventure Learning Center, Maryland. (Consultant) 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**

- 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

69) Powell, R.B., Miller, Z.D., & Stern, M.J. (In press) The role of education and communications in proactively and adaptively managing visitor use of parks and protected areas. In *Visitor Use Management in Parks and Protected Areas: Traditions, Approaches, and Possibilities*. Edited by Brownlee, M.T.J., Sharp, R., Miller, Z.D. & Others.

68) Lee, H. \*, Stern, M.J., & **Powell, R.B.** (In review) Assessing the influence of preparation and follow-up on student outcomes associated with environmental education field trips. *Journal of Environmental Education*.

67) Dale, R. \*, **Powell, R.B.**, Stern, M.J., & Garst, B. (2020) Influence of the natural setting on environmental education student outcomes. *Journal of Environmental Education Research*. 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*. 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*. DOI: 10.1080/00958964.2020.1727404

64) Jamaliah, M.M. \*, **Powell, R.B.**, & Sirima, A. \* (2020) Climate change adaptation and implementation barriers: A qualitative exploration of managers of Dana Biosphere Reserve-ecotourism system. *Journal of Ecotourism*. 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. (2019) The distribution, abundance, status and global importance of giant petrels (*Macronectes giganteus* and *M. halli*) breeding at South Georgia. *Polar Biology*. 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*. 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 21<sup>st</sup> Century (EE21). *Environmental Education Research*. 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*. 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-V36-11-8095
- 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, BA (2018) Interpretation training needs in the 21<sup>st</sup> Century: A needs assessment of interpreters in the National Park Service, *Journal of Interpretation Research*. 22(2),17-34.
- 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.F., Holladay, P.J., Krafte, K.E.\*, 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. (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*, 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.\*, & Krafft, 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.
- 35) Brownlee, M.T.J.\*, Hallo, J.C., Jodice, L.W., Moore, D.D., **Powell, R.B.**, & Wright, B.A. (2015) Place attachment and marine recreationists' attitudes towards offshore wind energy development. *Journal of Leisure Research*, 47(2), 263-284. DOI:10.1080/00222216.2015.11950360
- 34) Munanura, I.E.\*, Backman, K., Moore, D., Hallo, J., & **Powell, R.B.** (2014) Household poverty dimensions influencing forest dependence at Volcanoes National Park, Rwanda: An application of the sustainable livelihoods framework. *Natural Resources*, 5(16), 1031.
- 33) Miller, Z.D.\*, Hallo, J.C., Sharp, J.L., **Powell, R.B.**, & Lanham, J.D. (2014) Birding by ear: A study of recreational specialization and soundscape preference. *Human Dimensions of Wildlife*, 19(6), 498-511. DOI: 10.1080/10871209.2014.921845
- 32) Vagias, W.M.\*, **Powell, R.B.**, Moore, D.D., & Wright, B.A. (2014) Predicting behavioral intentions to comply with recommended Leave No Trace practices. *Leisure Sciences*, 38(5), 439-445. DOI:10.1080/01490400.2014.912168
- 31) Stern, M.J., **Powell, R.B.**, & Hill, D. (2014) Environmental education research in the new millennium: What do we measure and what have we learned? *Environmental Education Research*, 20(5), 581-611. DOI:10.1080/13504622.2013.838749
- 30) Brownlee, M.T.J.\*, Hallo, J.C., Moore, D.D., **Powell, R.B.**, & Wright, B.A. (2014) Attitudes toward water conservation: The influence of site specific factors and beliefs in climate change. *Society and Natural Resources*, 27(9), 964-982. DOI:10.1080/08941920.2014.929768
- 29) Thomsen, J.M.\*, **Powell, R.B.**, & Allen, D. (2013) What is the value and implications of viewing park resources as health resources? *Park Science*, 30(2), 30-36.
- 28) Stern, M.J. & **Powell, R.B.** (2013) What leads to better visitor outcomes in live interpretation? *Journal of Interpretation Research*, 18(2), 9-44.
- 27) **Powell, R.B.** & Stern, M.J. (2013) Is it the program or the interpreter? Modeling the influence of program characteristics and interpreter attributes on visitor outcomes. *Journal of Interpretation Research*, 18(2), 45-60.
- 26) **Powell, R.B.** & Stern, M.J. (2013) Speculating on the role of context in the outcomes of interpretive programs. *Journal of Interpretation Research*, 18(2), 61-78.
- 25) Stern, M.J., **Powell, R.B.**, McLean, K.D.\*, Martin, E.\*, Thomsen, J.M.\* & Mutchler, B.A.\* (2013) The difference between good enough and great: Bringing interpretive best practices to life. *Journal of Interpretation Research*, 18(2), 79-100.
- 24) Skibins, J.C.\* & **Powell, R.B.** (2013) Conservation Caring: Measuring the influence of zoo visitors' connection to wildlife on pro-conservation behaviors. *Zoo Biology*, 32(5), 528-540. DOI:10.1002/zoo.21086
- 23) Brownlee, M. T. J.\*, Hallo, J. C., Wright, B. A., Moore, D., & **Powell, R. B.** (2013). Visiting a climate-influenced National Park: The stability of climate change perceptions. *Environmental Management*, 52(5), 1132-1148.
- 22) Holladay, P.J.\* & **Powell, R.B.** (2013) Resident perceptions of social-ecological resilience and the sustainability of community-based tourism development in the Commonwealth of Dominica. *Journal of Sustainable Tourism*, 21(8), 1188-1211.

- 21) Skibins, J.C.\*, **Powell, R.B.** & Hallo, J.C. (2013) Charisma and conservation: Charismatic megafauna's influence on safari and zoo tourists' pro-conservation behaviors. *Biodiversity and Conservation*, 22(4), 959-982.
- 20) Brownlee, M.T.J.\*, **Powell, R. B.**, & Hallo, J. (2013) A review of the foundational processes that influence beliefs in climate change: Opportunities for environmental education research. *Environmental Education Research*, 19(1), 1-20. DOI:10.1080/13504622.2012.683389
- 19) Skibins, J.C.\*, **Powell, R.B.**, & Stern, M.J. (2012) *Exploring empirical support for interpretation's best practices. Journal of Interpretation Research*, 17(1), 25-44.
- 18) Vagias, W.\*, **Powell, R.B.**, Moore, D., & Wright, B.A. (2012) Development, psychometric qualities, and cross-validation of the Leave No Trace attitudinal inventory and measure (LNT AIM). *Journal of Leisure Research*, 44(2), 234-256.
- 17) Van Riper, C., **Powell, R. B.**, Machlis, G., Wagtendonk, J., van Riper, C.J.\*, von Ruschkowski, E., Schwarzbach, S. & Galipeau, R. (2012) Using integrated research and interdisciplinary science: Potential benefits to managers of park and protected areas. *George Wright Society Forum*, 29(2), 216-226.
- 16) Stern, M.J., Wright, M.E.\*, & **Powell, R.B.** (2012) Motivating school participation in National Park Service education programs. *Journal of Visitor Studies*, 15(1), 28-47.
- 15) **Powell, R.B.**, Brownlee, M.T.J.\*, Kellert, S. R. & Ham, S.H. (2012) From awe to satisfaction: Immediate affective responses to the Antarctic tourism experience. *Polar Record*, 48(2), 145-156.
- 14) Stern, M.J., **Powell, R.B.** & Hockett, K.S. (2011) Why do they come? Motivations and barriers to interpretive program attendance at Great Smoky Mountains National Park. *Journal of Interpretation Research*, 16(2), 35-52.
- 13) Baldwin, R.F., **Powell, R.B.**, & Kellert, S.R. (2011) Habitat as architecture for sustainability: Integrating conservation planning and human health. *Ambio*, 40(3), 322-327.
- 12) **Powell, R.B.**, Stern, M.J., Krohn, B.\* & Ardoin, N. (2011) Development and validation of scales to measure environmental responsibility, attitudes toward school, and character development. *Environmental Education Research*, 17(1), 91-111. DOI:10.1080/13504621003692891
- 11) Stern, M.J., **Powell, R.B.**, & Ardoin, N.M. (2011) Evaluating a constructivist and culturally responsive approach to environmental education for diverse audiences. *Journal of Environmental Education*, 42(2), 109-122.
- 10) Stern, M.J., **Powell, R.B.**, & Cook, C. (2010-2011) The benefits of live interpretive programs to Great Smoky Mountains National Park. *Park Science*, 27(3), 56-60.
- 9) Vagias, W.\* & **Powell, R.B.** (2010) Backcountry visitors' Leave No Trace attitudes. *International Journal of Wilderness*, 16(3), 21-27.
- 8) **Powell, R. B.** (2010) Developing institutions to overcome governance barriers to ecoregional conservation. In S. C. Trombulak & R. F. Baldwin (Eds.), *Landscape-scale Conservation Planning* (pp. 53-67). New York: Springer.
- 7) **Powell, R. B** & Vagias, W.\* (2010) Benefits of stakeholder involvement in the development of social science research. *Park Science*, 27(1), 46-49.
- 6) **Powell, R.B.**, Cushnir, A., & Peiris, P. (2009) Overcoming governance barriers to integrated coastal zone, marine protected area, and sustainable tourism management in Sri Lanka. *Coastal Management*, 37(6), 633-655.
- 5) **Powell, R.B.**, Kellert, S. R., & Ham, S.H. (2009) Interactional theory and the sustainable nature-based tourism experience. *Society and Natural Resources*, 22(8), 761-776.
- 4) Stern, M.J., **Powell, R.B.**, & Ardoin, N. (2008) What difference does it make? Assessing student outcomes of participation in a residential environmental education program. *Journal of Environmental Education*, 39(4), 31-43.
- 3) **Powell, R.B.** & Ham, S.H. (2008) Can ecotourism interpretation really lead to pro-conservation knowledge, attitudes, and behavior? Evidence from the Galapagos Islands. *Journal of Sustainable Tourism*, 16(4), 467-489. DOI:10.1080/09669580802154223

2) **Powell, R.B.**, Kellert, S. R., & Ham, S.H. (2008) Antarctic tourists: Ambassadors or consumers? *Polar Record*, 44(230), 233-241.

1) **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2006) A sustainable evaluation framework and its application. *Applied Environmental Education and Communication*, 5(4), 231-241.

**\*Graduate Student**

## **PEER REVIEWED PROCEEDINGS**

3) Morris, D. M.\*, Powell, R. B., & Pilcher, J. J. (2016). Antarctica Cold Stress Risks during occupational and leisure activities. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. V. 60, No. 1, 1775-1779. SAGE Publications.

2) van Riper, C., III., **R. Powell**, J. W. van Wagtendonk, G. Machlis, R. Galipeau, C. J. van Riper\*, and E. von Ruschkowski. (2012) Integrated science and interdisciplinary research for parks and protected areas. In: *Rethinking Protected Areas in a Changing World: Proceedings of the 2011 GWS Biennial Conference on Parks, Protected Areas, and Cultural Sites*. Weber, S. ed. The George Wright Society, Hancock, MI, 350-355.

1) Vagias, W.\*, **Powell, R.**, & Haynie, L.\* (2006) Recreational use of the headwaters of the Chattooga River. In: *Proceedings of the Northeastern Recreation Research Symposium*. April 9-11, 2006. Burns, R. ed., Gen. Tech. Report. Newton Square, PA: U. S. Department of Agriculture, Forest Service, Northeastern Research Station, 206-213.

## **PUBLICATIONS IN REVIEW**

Singh, D., Larson, L., Powell, R.B. (In review) It is darkest under the brightest burning lamp: Community perceptions of wildlife tourism and it's (inequitable) benefits in India. *Journal of Sustainable Tourism*.

Holland, K., Larson, L., Powell, R.B., Holland, W., Allan, L., Nabaala, M., Tome, S., Seno, S., & Nampushi, J. (in review). Connections between Tourism, Conservation, and Community Resilience around Maasai Mara National Reserve, Kenya. *Journal of Sustainable Tourism*.

Holland, W., Powell, R.B., Holland, K., Garst, B., Baldwin, E., & Quigley, C. (In review) Experiential Wilderness-based Professional Development: Beliefs and Confidence of Participant Educators. *Journal of Experiential Education*.

Holland, H.\* & **Powell, R.B.** (In review) Experiential Wilderness-based Professional Development's Influence on Educators' Personal and Professional Development. *Journal of Outdoor Recreation, Education, and Leadership*.

Depper, G. L., Wright, B. A., Mobley, C., & **Powell, R. B.** (In review) Intentionally and unintentionally transmitting environmental values to young adults: Perceptions of influential agents. TBD

Frensley, B.T.\*, Stern, M.J., **Powell, R.B.**, & Sorice, M.G. (In review) Investigating the links between student engagement, self-determination, and environmental literacy at a residential environmental education center. *Environmental Education Research*.

O'Hare, A.\*, **Powell, R.B.**, Stern, M.J., & Bowers, E.P. (In review) Influence of educator emotional support behaviors on environmental education student outcomes. *Journal of Environmental Education Research*

Pratson, D.F.\*, Stern, M.J., & **Powell, R.B.** (In review) Instructor motivation within environmental education organizations: a qualitative study. *Journal of Environmental Education*.

**\*Graduate Student**



## **PUBLICATIONS IN PREPARATION**

**Powell, R.B.**, Ramshaw, G., Jodice, L., Kleinbort, T.\* & Stern, MJ (In preparation) Examining short and long term impacts of immersive environmental education programs at Everglades National Park on diverse audiences. *Environmental Education Research*.

**Powell, R.B.**, Green, T.F., Holladay, P.J., Krafte, K.E.\* , Duda, M.\* , Nguyen, M.T., Spencer, J.H., & Das, P. (In preparation) Examining community level skills necessary to participate in an emerging ecotourism economy in Dong Van Karst Plateau Geopark, Viet Nam. *Journal of Ecotourism*.

**Powell, R.B.**, Stern, M.J., Jodice, L., & Kleinbort, T.\* (In preparation) Exploring the influence of dosage and constructivist approaches to Environmental Education: A comparison of 5 programs. *Environmental Education Research*.

**Powell, R.B.**, Stern, MJ, & Ardoin, NM (In preparation) Does training improve conservation outcomes? Evidence from the Audubon Toyota TogetherGreen program. *Conservation Letters*.

**Powell, R.B.**, Ramshaw, G., Kleinbort, T., Story, T. & Star, T. (In preparation) The Antarctica tourism experience: What roles do environmental, social, and heritage resources play in shaping outcomes? *Polar Record*.

## **TECHNICAL REPORTS**

43) 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. Clemson University and NCOB.

42) Dagan, D., Wheeler, I., Beck, L., Benedetti, A., Blacketer, M., Clark, M., McHugh, K., Noss, C., Sizek, J., Wilkins, E., **Powell, R.B.**, & Sharp, R.L. (2018) Park Break report: Developing a visitation forecasting tool and management recommendations for the Mojave Desert Region NPS units. George Wright Society.

41) Thomsen, J., **Powell, R.B.**, and Monz, C. (2017) A systematic review of the health outcomes associated with participation in wildland recreational activities. *Storer Foundation Report*.

40) **Powell, R.B.**, Holland, H., Thomsen, J., and Monz, C. (2017) A systematic review of the psychological, sociological, and educational outcomes associated with participation in wildland recreational activities. *Storer Foundation Report*.

39) Burroughs, K.\* , Davis, J.\* , Guo, T.\* , Mkumbo, P.\* , Ojewola, O.\* , Pitt, A.\* , **Powell, R.**, Sharp, R., Riungu, G.\* , Verbos, R.\* (2016) Great Sand Dunes National Park and Preserve: A social science needs assessment. George Wright Society.

38) Leonard, P., Baldwin, R., Kanno, Y., Jachowski, D., **Powell, R.**, Nelson, A., & Ogletree, S.\* (2015) Interactive conservation planning and design phase 1 for the Appalachian Landscape Conservation Cooperative. Clemson.

37) **Powell, R.B.**, Krafte, K.\* , & Duda, M.\* (2015) Dong Van Karst Plateau International Geopark household survey results. Clemson University Institute for Parks. People's Committee of Ha Giang, Viet Nam.

36) Ogletree, S.S.\* & **Powell, R.B.** (2015) Mapping cultural resources: A framework for incorporating cultural resources in conservation planning. Appalachian Landscape Conservation Cooperative.

35) Spencer, J.H., **Powell, R.B.**, Green, T.F., & Nguyem, M.T. (2015) Appraisal, initial orientation, and preliminary recommendations for Dong Van Karst Plateau International Geo-Park, Ha Giang Province until 2030. People's Committee of Ha Giang, Viet Nam.

34) **Thomsen, J.M.** & Powell, R.B. (2014) *South Carolina Environmental Education Consortium Evaluation and Evaluation Training*. South Carolina National Heritage Corridor.

33) **Powell, R.B.**, Wright, B.A., & Depper, G.\* (2014) National Park Service Interpretation and Education needs assessment. Clemson University and National Park Service.

- 32) **Powell, R.B.**, Stern, M.J., Ardoin, N. & Beeco, R. (2013) *Toyota Together Green technical evaluation report: 2008-2013*. Clemson University and National Audubon Society.
- 31) **Powell, R.B.**, Stern, M.J., Ardoin, N. & Beeco, R. (2013) *Toyota Together Green summary evaluation report: 2008-2013*. Clemson University and National Audubon Society.
- 30) Ramshaw, G., **Powell, R.B.**, & Jodice, L.W. (2013) Exploring the long-term impacts of curriculum-based education programs at Everglades National Park. Clemson University and U.S. National Park Service.
- 29) **Powell, R.B.**, Ramshaw, G., Jodice, L.W., & Stern, M.J., (2013) Evaluation of curriculum-based education programs at Everglades National Park. Clemson University and U.S. National Park Service.
- 28) Stern, M.J., & **Powell, R.B.** (2013). Recommended practices for interpretive and educational programs and exhibits in the US National Park Service. Virginia Tech, Clemson Univ., and U.S. National Park Service.
- 27) Stern, M.J., **Powell, R.B.**, Martin, E.\* & Mclean, K.\* (2012) Identifying best practices for live interpretive programs in the United States National Park Service. Virginia Tech, Clemson University, and National Park Conservation Association's Center for Park Management.
- 26) **Powell, R.B.**, Jodice, L.W., Stern, M.J., & Skibins, J.C.\* (2012) Evaluation of curriculum-based education programs in Great Smoky Mountains National Park. Clemson University and U.S. National Park Service.
- 25) Stern, M.J., & **Powell, R.B.** (2011) *The views of National Park Service Superintendents and Interpretation and Education Supervisors on interpretation and education in the National Park Service*. Virginia Tech and U.S. National Park Service, National Education Council.
- 24) **Powell, R.B.**, Stern, M.J., Beeco, R., & Ardoin, N. (2011) *Evaluation report: Results of years one and two (2008-2009; 2009-2010) TogetherGreen Innovation Grants and Conservation Fellowship Programs*. Clemson University and National Audubon Society.
- 23) **Powell, R.B.**, Wright, B.A., Draper, J.\*, & Thomsen, J.\* (2011) Evaluation of off-highway vehicle skills and ethics training programs occurring on public lands: The TreadLightly! visitor education program. Clemson University and U.S. National Park Service.
- 22) **Powell, R.B.**, Stern, M.J., Ardoin, N. & Beeco, R. (2011) *Evaluation report: TogetherGreen Innovation Grants and Conservation Fellowship Programs: Years 1+2*. Clemson University and National Audubon Society.
- 21) Stern, M.J., Mutchler, B.\*, & **Powell, R.B.** (2011) *National Park Service Superintendents' views on interpretation and education*. Virginia Tech and U.S. National Park Service, National Education Council.
- 20) Attarian, A., **Powell, R.B.**, & Connelly, P. (2011) Parks and Recreation Management Program External Review Report. Department of Health, Physical Education and Recreation; College of Education and Allied Professions; Western Carolina University.
- 19) **Powell, R.B.**, Skibins, J.C.\*, & Stern, M.J. (2010) *Linking interpretation best practices with outcomes: A review of literature*. Clemson University and U.S. National Park Service, National Education Council.
- 18) **Powell, R.B.**, Stern, M.J., Wynveen, C., & Ardoin, N. (2010) *Evaluation report: Results of year one (2008-2009) TogetherGreen Innovation Grants and Conservation Fellowship Programs*. Clemson University and National Audubon Society.
- 17) Vezeau, S.\*, **Powell, R. B.**, & Stern, M.J. (2010). *Stewardship 101: An evaluation of the Great Smoky Mountains National Park Jr. Ranger Program*. Clemson University and Great Smoky Mountains National Park.
- 16) Wright, M.E.\*, Stern, M.J., & **Powell, R.B.** (2010). *Barriers to and motivations for curriculum-based education program participation at Great Smoky Mountains National Park*. Virginia Tech and Great Smoky Mountains National Park.
- 15) Stern, M.J., Hockett, K.S., & **Powell, R.B.** (2010). *Understanding motivations, barriers, and benefits of interpretive program participation at Great Smoky Mountains National Park*. Great Smoky Mountains National Park.

- 14) Wynveen, C., Stern, M.J., **Powell, R.B.**, & Ardoin, N. (2010) *NorthBay evaluation: Results from 2008-2009, 2007-2008 and 2006-2007 school years*. NorthBay Environmental Education Center, MD.
- 13) Stern, M.J., Wright, M.E.\* & **Powell, R.B.** (2009) *Interpretive rangers' perceptions of attendance at interpretive programs at Great Smoky Mountains National Park*. Virginia Tech, Great Smoky Mountains National Park.
- 12) **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2008) *NorthBay evaluation: Results from 2007-2008 and 2006-2007 school years*. NorthBay Environmental Education Center, MD.
- 11) **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2008) *NorthBay evaluation system: Trend monitoring data report*. NorthBay Environmental Education Center, MD.
- 10) **Powell, R. B.**, Wright, B. A., & Vagias, W. M.\* (2008) *Preliminary evaluation of recreational skills and ethics training programs occurring on public lands: The Leave No Trace visitor education program*. National Park Service.
- 9) **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2007) *NorthBay evaluation: Results from 2006-2007 school year*. NorthBay Environmental Education Center, MD.
- 8) **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2007) *NorthBay evaluation system: Trend monitoring data report*. NorthBay Environmental Education Center, MD.
- 7) **Powell, R. B.** (2007) *Hikkaduwa restoration task force (HRTF): Formation of an inter-agency committee and action plan for the restoration of Hikkaduwa, Sri Lanka, into a resilient community and sustainable coastal tourism destination*. USAID Sustainable Coastal Tourism in Asia-Sri Lanka & Louis Berger Group.
- 6) Stern, M.J., Ardoin, N., & **Powell, R.B.** (2006) *NorthBay evaluation system: Final report*. NorthBay Environmental Education Center, MD.
- 5) Edwards, L.\*\*, Gleeson, C.\*\*, Lareau, S.\*\*, Smith, R.\*\*, Haynie, L.\*, Starker, C.\*, & **Powell, R.B.** (2006) *Clemson Experimental Forest recreation management project: Analysis of stakeholders and user groups*. Clemson University, Clemson, SC.
- 4) **Powell, R.B.**, Stern, M.J., & Ardoin, N. (2006) *NorthBay evaluation system: Trend monitoring baseline data report*. NorthBay Environmental Education Center, MD.
- 3) **Powell, B.** (2005) *Management Recommendations based on the Results from the Report: 2003 Grand Canyon National Park Commercial River Visitor Study—Effects of Participation on Knowledge, Attitudes toward Park Management, Environmental Values, Environmental Behaviors, and Satisfaction*. Grand Canyon National Park.
- 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**

- 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, 2020.
- 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) Stephenson, 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 Summit, Cincinnati, OH. Aug. 21.
- 78) Pratson, D., Stern, M.J., & **Powell, R.B.** (2019) Motivation within environmental education organizations. 41<sup>st</sup> 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) Stephenson, 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 (MMV) Conference. Bordeaux, France, August 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 connect work across decades. 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 3<sup>rd</sup> 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. 20<sup>th</sup> 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 MJ, & 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 small island state of the Commonwealth of Dominica. Resilience, Innovation, and Sustainability: Navigating the Complexities of Global Change. Second 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*. 32<sup>nd</sup> 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*. 9<sup>th</sup> 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*. 31<sup>st</sup> 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*. 14<sup>th</sup> 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."* 36<sup>th</sup> 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*. 13<sup>th</sup> 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*. 12<sup>th</sup> 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*. North Eastern Recreation Research Symposium, Bolton Landing, N.Y., April 9-11.
- 2) Ardoin, N., Arnold, J., **Powell, B.**, & Stern, M.J. (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**

- 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, 23<sup>rd</sup>
- 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.** & Gyeltzen, 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. Sherpherdstown, 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. Sherpherdstown, 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*. 3<sup>rd</sup> 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*. 3<sup>rd</sup> 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.

## **MEDIA AND FEATURES**

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](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).

## GRADUATE ADVISING

Title	Degree	Student	Advisor	Status	Placement
TBD	M.S.	L. Bannister	R. Powell	Expected 2022	
TBD	M.S.	L. Kiewra	R. Powell	Expected 2022	
TBD	M.S.	E. Meier	R. Powell	Expected 2022	
Investigating student transformation in environmental education programs.	Ph.D.	T. Kleinbort	R. Powell	Expected 2020	
The role of Environmental Education in supporting the goals of Congaree Biosphere Reserve	M.S. (WDLF)	T. Story	R. Powell	Dec., 2019	Aurora Expeditions
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
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 + L. Larson	Dec., 2019	TBD
Evaluating wilderness-based teacher continuing education programs.	Ph.D.	H. Holland	R. Powell	Aug., 2019	UNC-Wilmington
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	Dept. of Natural Resources, WA
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	NPS
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., Assoc. Prof.
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.	E. Thorpe	Virginia Tech	M. Stern	Expected 2022
TBD	M.S.	M. Pownall	Virginia Tech	M. Stern	Expected 2022
TBD	Ph. D.	J. Dertien	Clemson	R. Baldwin	Expected 2020
TBD	Ph.D.	M. Blacketer	Clemson	M. Brownlee	Expected 2020
Instructor motivation within environmental education organizations	M.S.	D. Pratson	Virginia Tech	M. Stern	Graduated 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	Graduated 2019
Taking the plunge: Enhancing the visitor experience in waterfall-based state parks.	M.S.	M. McGuinness	Clemson	J.Hallo	Graduated 2018
	Ph.D.	D. Morris	Clemson	J. Pilcher	Graduated 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	Graduated 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	Graduated 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	Graduated 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	Graduated 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	Graduated 2016
Solving spatial challenges for large-landscape conservation using	Ph.D.	P. Leonard	Clemson	R. Baldwin	Graduated 2015

"big data"	(FEC)				
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	Graduated 2015
Travelers' philanthropy: Understanding tourists' motivations to donate at Sweetwater Chimpanzee Sanctuary.	M.S.	H. Sgalitzer	Utah	M. Brownlee	Graduated 2014
Poachers, gorillas, and alternative livelihoods.	PH.D.	I. Munanura	Clemson	K. Backman	Graduated 2013
Volunteer tourism and philanthropy	M.S.	M. Nance	Clemson	K. Backman	Graduated 2013
Site substitution and crowding	M.S.	J. Fix	Clemson	J. Hallo	Graduated 2013
Self actualization and peak experiences in outdoor recreation.	M.S.	J. Vogler	Clemson	B. Baldwin	Graduated 2012
Visitors perceptions of environmental change: Implications for adaptive management	Ph.D.	M. Brownlee	Clemson	J. Hallo	Graduated 2012
Lead and Cadmium in sea birds of South Africa	M.S.	C. Summers	Clemson	W. Bowerman and R. Powell	Graduated 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	Graduated 2012
Conservation and physiological ecology of seabirds at protected islands in South Carolina	Ph.D.	L. Eggert	Clemson	P. Jodice	Graduated 2012
Participation of local people in landscape level conservation: An analysis of the Meso American Corridor initiative	M.S.	C. Mora	Clemson	B. Baldwin	Graduated 2011
Distribution and nesting activities of sea birds on the South Carolina coast	M.S.	G. Brooks	Clemson	P. Jodice	Graduated 2011
Barriers to teacher involvement in Great Smoky Mountains National Park sponsored Environmental Education programs	M.S.	B. Wright	Virginia Tech	M.J. Stern	Graduated 2010
Barriers to participating in the tourism economy in Tanzania	Ph.D.	S. Slocum	Clemson	K. Backman	Graduated 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	Graduated 2008
Identifying with Tourists: Emotional solidarity between hosts and tourists	Ph.D.	K. Woosnam	Clemson	W. Norman	Graduated 2008
Using interactional theory to improve the interpretation of cultural resources.	M.S.	J. Fino	Clemson	K. Backman	Graduated 2008
Skills assessment for interpreters working for Land Management agencies	M.S.	J. Ivey	Clemson	R. Bixler	Graduated 2007
Wilderness Trail Planning: Mitigating the impacts of stream crossings	M.F.R.	A. Lucas	Clemson	C. Bolding	Graduated 2007
Meaningful Learning at a National Historic Site	Ph.D.	C. Van Winkle	Clemson	K. Backman	Graduated 2007

## UNIVERSITY TEACHING

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

PRTM 391: Outdoor Recreation Management and Administration (2017)

PRTM 403: Elements of Park Planning (2006-present)

PRTM 430/630: World Geography of Parks and Equivalent Reserves (2006-present)

PRTM 201: The Recreation Environment (2005-2006)

PRTM 900: Integrated Conservation and Development Graduate Seminar (2012)

PRTM 900: Interdisciplinary Park and Protected Area Management: Questioning the Parks as Islands Approach Graduate Seminar (2008)

PRTM 900: Graduate Conservation Reading Seminar (2013-2014)

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

PRTM 891: Independent Study (2007-present)

PRTM 991: 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 431/431L; 631/631L: Recreation Resource Planning in Forest Management (2007-present)

FOR 991: 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)

## **SERVICE**

- 2019- present Co-Editor, *Journal of Interpretation Research*
- 2019 Reviewer. University of Mississippi NSF AISL Internal Pre-proposals. Office of Research and Sponsored Programs.
- 2018-2019 Department of Parks, Recreation, and Tourism Management Faculty Mentoring (Gagnon, Sene-Harper, and Perry)
- 2018-2019 National Association of Interpretation. *Journal of Interpretation Research* 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
- 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
- 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 Parks and Conservation Area Faculty Search Committee Chairman, Clemson University, Department of Parks, Recreation, and Tourism Management
- 2017-2020 International Union for Conservation of Nature (IUCN), World Commission on Protected Areas. *Member*
- 2017-2020 International Union for Conservation of Nature (IUCN), Commission on Education and Communication. *Member*
- 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 Director. Institute for Parks, Clemson University.
- 2006-present South Georgia Island Government Expeditions Review Panel, *Environmental Consultant Member*. 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).
- 2013-2016 International Union for Conservation of Nature (IUCN), Commission on Education and Communication. *Member*
- 2013-2016 International Union for Conservation of Nature (IUCN), World Commission on Protected Areas. *Member*

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.
2009-2012	International Union for Conservation of Nature (IUCN), World Commission on Protected Areas.
2009-2012	International Union for Conservation of Nature (IUCN), Commission on Education and Communication. <i>Member</i>
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.

## **PROFESSIONAL ORGANIZATIONS**

International Association for Society and Natural Resources  
North American Association for Environmental Education  
National Association for Interpretation



## EDITORSHIPS

2019- present Co-Editor, *Journal of Interpretation Research*  
2017-present *Society and Natural Resources* Editorial Board  
2012-present Associate Editor for *Journal of Ecotourism*

## INVITED REVIEW OF MANUSCRIPTS and PROPOSALS

2005-present Reviewer for:

Oryx	Journal of Sustainable Forestry
Society and Natural Resources	Event Management
Environmental Conservation	Journal of Leisure Sciences
Polar Record	Journal of Sustainable Tourism
Journal of Ecotourism	Tourism Management
Conservation Biology	Environmental Education Research
Journal of Interpretation Research	Caribbean Studies
University of Florida Cooperative Extension	Journal of Rural Social Sciences
Journal of Leisure Research	Leisure Sciences
Environmental Management	Journal of Travel and Leisure Studies
Island Press (Book Proposals)	Netherlands Polar Programme
Environment and Behavior	Environmental Management
Journal of Environmental Psychology	Polar Journal
Journal of Cleaner Production	International Journal of Disaster Risk Reduction
Ocean and Coastal Management	Global Environmental Change
Integrative and Comparative Biology	Current Opinion in Environmental Sustainability

## AWARDS

2016 Clemson University. College of Health, Education, and Human Development. Excellence in Research  
2014 Calhoun Honors College and Pearce Center. Clemson University. Thoughts Worth Thinking Speaker  
2012 Clemson University. College of Health, Education, and Human Development Innovation Grant (50K)  
2011 Clemson University. College of Health, Education, and Human Development Innovation Grant (50K)  
2008 Clemson University. College of Health, Education, and Human Development Summer Research Grant (3K)  
2006 Clemson University. College of Health, Education, and Human Development Summer Research Grant (7K)  
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)

## RELATED PROFESSIONAL EXPERIENCE

2015-2016 *Parks and Sustainable Tourism Consultant, Third Rock Consulting, Inc.*  
Part of an interdisciplinary team that developed the 2030 Plan for the Dong Van Stone Plateau Global Geopark in Ha Giang Province, for the Government of Viet Nam, Ministry of Construction.

2014-Present *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.

2005-2019 *Evaluation Consultant, North Bay Adventure Center, Maryland*  
Developed an internally sustainable and adaptable evaluation system for the residential environmental education program.

2007 *Sustainable Tourism and Coastal Management Consultant, Sustainable Coastal Tourism in Asia (SCOTIA) Sri Lanka USAID Program implemented by The Louis Berger Group, Inc.*  
Facilitated the formation of an inter-governmental task force (Government of Sri Lanka) for integrated coastal, marine protected area, and tourism management. Through participatory techniques, developed a strategic plan for the restoration and resilience of coastal communities and Marine Protected Areas.

- 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 *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.
- 1999-2000 *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.
- 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.
- 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 trips in Turkey, Costa Rica, Greece, Ecuador, Corsica, Chile, Caribbean, North Carolina, and Georgia.
- 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 whitewater adventure travel trips to Maine, Alaska, Mexico, Ecuador, Turkey, Chile, Costa Rica, and the Grand Canyon, as well as sea kayak trips to Greece, Fiji, Costa Rica, 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 60 day research and sea kayak expedition that conducted a census of two endangered bird species and circumnavigated South Georgia Island, Southern Ocean.
- 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 contained sea kayak expedition to circumnavigate South Georgia Island in the Southern Ocean.
- 1992-1996 *U.S. Canoe and Kayak Team Member, 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.
- 1990-1991 *Expedition Leader, Southern Chile.*  
Organized and participated in a 75-day sea kayak expedition through the fjords of Southern Chile.
- 1984-1985 *Solo Bicyclist, Australia and New Zealand.*  
Bicycled from Brisbane to Melbourne, Australia and around both islands of New Zealand.