**ZACHARY D. COLE**

DOCTORAL CANDIDATE

DEPARTMENT OF TOURISM, RECREATION, AND SPORT MANAGEMENT

COLLEGE OF HEALTH AND HUMAN PERFORMANCE

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**EDUCATION**

**UNIVERSITY OF FLORIDA Gainesville, Florida, USA**

Graduation: August 2012 (Ph.D.)

Major: Natural Resource Recreation August 2009-present

Specialization: Policy and Planning

Dissertation: *Modeling social values of ecosystem services in Sarasota Bay*

Project website: [http://www.flseagrant.org/boating/projects/solves/](http://www.flseagrant.org/boating/projects/solves/%20)

**ARIZONA STATE UNIVERSITY Phoenix, Arizona, USA**

M.S. Major: Recreation & Tourism Studies August 2007-May 2009

Area: Public Policy and Participation

Thesis: *Quileute Environmental Values: Effect On Attitudes toward Natural Resource Management*

**UNIVERSITY OF FLORIDA Gainesville, Florida, USA**

B.S. Major: Recreation, Parks, & Tourism August 2003-December 2005

Concentration: Therapeutic Recreation

Field Experience: *Portland Parks and Recreation, Specialized Recreation*

**ACADEMIC WORK EXPERIENCE**

**University of Florida, Department of Tourism, Recreation and Sport Management**

**Teaching/Graduate Assistant (01/11-present)**

**Teach undergraduate courses, conduct research, and generate externally funded projects.**

**LEI 3400 Recreation Program Design**

**LEI 3546 Park Management**

**GRANT ACTIVITY/FUNDED RESEARCH**

**Cole, Z.D.** (Co-PI) and Swett, R.S. (PI). Mapping social values of coastal use relative to ecosystem services in Sarasota Bay. Cooperative Agreement: Florida Sea Grant, USGS (RMGSC), and University of Florida. Total $25,000 USD (2011).

**INVITED PRESENTATIONS**

Hindsley, P. and **Cole, Z.D.** (2012) Panel Discussion: Economic valuation of Sarasota Bay. *Sarasota Bay Watershed Symposium,* Sarasota, FL, USA.

**MANUSCRIPTS (In Progress)**

**Cole, Z.D.,** and Donohoe, H.M.Advantages and limitations of the e-Delphi technique: Implications for natural resource and environmental management researchers.

**Cole, Z.D.,** and Thapa, B. Tourism and recreation impact in dam science: A case study of Elwha and Glines Canyon Dams using NEPA standards.

Loomis, D.K., Hawkins, C., and **Cole, Z.D.** The social value spectrum and its relationship to marine and coastal management planning.

**RESEARCH PRESENTATIONS**

**Cole, Z.D.**, Holland, S., and Coffin, A.(2012) Social values and ecosystem services in coastal environments: The case of Sarasota Bay, FL. *4th International Eco Summit, Ecological Sustainability: Restoring the Planet’s Ecosystem Services,* Columbus, OH, USA.

Coffin, A.W., **Cole, Z.D.,** Swett, R.A., and Sherrouse, B.C.(2012) Coastal SolVES: Adapting a terrestrial-based GIS tool for the non-monetary, spatial evaluation of ecosystem services in a coastal environment. *4th International Eco Summit, Ecological Sustainability: Restoring the Planet’s Ecosystem Services,* Columbus, OH, USA.

**Cole, Z.D.** (2012) Mapping the human coast: Shaping natural resource management through stakeholder collaboration. *18th International Symposium on Society and Resource Management (ISSRM)*, Edmonton, Alberta, CA.

**Cole, Z.D.** (2012) The human side of sustainability: Developing a typology of social values of ecosystem services in the coastal zone. *18th International Symposium on Society and Resource Management (ISSRM)*, Edmonton, AB, CA.

**Cole, Z.D.,** Donohoe, H., and Holland, S. (2012) Going online: Advancing e-Delphi methodologies within coastal resource management. *Inaugural College of Health and Human Performance Student Poster Session,* Gainesville, FL, USA.

**Cole, Z.D.** (2012) “Meeting students where they are”: Adapting natural resource education to emerging digital landscapes. *9th Biennial University Education in Natural Resources Conference,* Fort Collins, CO, USA.

**Cole, Z.D.,** Donohoe, H., Coffin, A., and Swett, R.S. (2012) Social value and resource use in Sarasota Bay: Using e-Delphi to uncover spatial variables. *Social Coast Forum,* Charleston, SC, USA.

**Cole, Z.D.** (2012) Ecosystem services of rivers: Exploring the potential for quantifying and mapping social values. *11th Biennial River Management Society Symposium: From Intimate Creeks to the Infinite Sea,* Asheville, NC, USA.

Lovelace, S., Semmens, D., Sherrouse, B., Coffin, A., DiDonato, E., van Riper, C.J., **Cole, Z.D.,** and Loerzel, J. (2012) Problem SoLVE-ing: Understanding Social Valuation of Ecosystem Services (SolVES) for better Coastal Management. *The Coastal Society’s 23rd International Conference- Our Coasts, Our Heritage: Ecosystem Services for the Common Good,* Miami, FL, USA.

**Cole, Z.D.,** Coffin, A.W., Swett, R.S., Sherrouse, B.C., and Semmens, D.J. (2011) Mapping social values of coastal use relative to ecosystem services in Sarasota Bay. *Emerging Management of Enclosed Coastal Seas: Managing for Results in our Coastal Seas,* Baltimore, MD, USA.

**Cole, Z.D.** (2011) Place-based meaning and the economy of recreation in Elwha River restoration: Evaluating planning and management. *George Wright Society Conference on Parks, Protected Areas, and Cultural Sites: Rethinking Protected Areas in a Changing World,* New Orleans, LA, USA.

**Cole, Z.D.**, and White, D.D. (2010) Native American environmental values and natural resource management practices: Quileute tribal perspectives. *16th International Symposium on Society and Resource Management: Tyranny of ‘Or’: Conservation or Development? Preservation or Utilization?,* Corpus Christi, TX, USA.

**Cole, Z.D.** (2010) Recreational impact assessment: Valuation and representation in Elwha ecosystem restoration policy development. *River Management Society & National Association of Recreation Resource Planners Symposium: Bridging Conservation and Recreation,* Portland, OR, USA.

**RELEVANT WORK EXPERIENCE**

***Graduate Assistant*** University of Florida Recreational Sports-Operations

August 2009-present *Designation*: Facility Operations Gainesville, FL

***Graduate Assistant*** Arizona State University Phoenix Parks and Recreation

August 2007-May 2009 *Designation*: Program Research/Planning Phoenix, AZ

***Outdoor Recreation Leader*** University of Florida RecSports-Lake Wauburg

July 2004-August 2005 Micanopy, FL

**TECHNICAL REPORTS**

Coffin, A.W., **Cole, Z.C.,** Swett, R.S., and Sherrouse, B.C. (2012) Project Overview: Valuation of ecosystem services using SolVES in the Gulf of Mexico. *USGS Fact Sheet.*

**INTERNET MEDIA**

**Cole, Z.D.,** and Moore, R. (2012) Interview with Zachary Cole, University of Florida: <http://sarasotabaytoday.com/2012/03/interview-with-zachary-cole-university-of-florida/>

(*Sarasota Bay Today).*

**PLANNING PROJECTS**

Waterways Master Plan for Alachua County (FL)

University of Florida Department of Recreational Sports – Southwest Recreation Center Expansion

Cross Florida Greenway Management Plan – Santos Mountain Bike Trail Development

Phoenix Parks and Recreation Department – Strategic Plan (FY 2007-08 and 2008-09)

METRO Light Rail – Open Space Integration Assessment

Elwha Dam Removal Project – Recreation Impact Evaluation

**PROFESSIONAL MEMBERSHIP/COMMUNITY ENGAGEMENT**

National Association of Recreation Resource Planners

*\*\*Board Member – Student Representative*

American Planning Association

Society for Ecological Restoration

National Recreation and Park Association

River Management Society

George Wright Society

Florida Trail Association

Ocala Mountain Bike Association

**HONORS/AWARDS/SCHOLARSHIPS**

2012 – Graduate Student Scholarship – 9th Biennial University Education in Natural Resources – Fort Collins, CO

2011 – Outstanding Poster Presentation – Managing for Results in our Coastal Seas - Environmental Management of Enclosed Coastal Seas 9 Conference – Baltimore, MD

2011 – Student Conference Scholarship – 31st Annual Recreation Resource Planning Conference – Breckenridge, CO

2010 – Student Conference Scholarship – 30th Annual Recreation Resource Planning Conference – Portland, OR

2009 – Grinter Award – Tourism, Recreation, and Sport Management, College of Health and Human Performance – University of Florida

2009 - Outstanding Graduate Award – School of Community Resources and Development, College of Public Programs – Arizona State University

**PROFESSIONAL REFERENCES**

Stephen Holland\*$

Associate Professor and Associate Director

Tourism, Recreation, and Sport Management

University of Florida

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Bob Swett\*

Associate Professor and Coordinator

Boating and Waterway Management Program

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Alisa Coffin

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Fort Collins Science Center

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Brijesh Thapa\*

Associate Professor and Director

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