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# DUNCAN THOMAS ECCLESTON

## PROFESSIONAL HISTORY

- 2003-Present: Colorado State University, Fort Collins, CO
- 2002-2003: Hoosic River Watershed Association, Williamstown, MA
- 1999-2001: University of Michigan School of Education, Ann Arbor, MI
- 1998-2001: Prescott College, Prescott, AZ
- 1992: Boston Harbor Island State Park, Boston, MA

## EDUCATION

- M.S. Watershed Science, Colorado State University, Fort Collins, CO
- B.A. History, Middlebury College, Middlebury, VT

## SPECIAL TRAINING

- Computer applications: ArcGIS, SAS, Hydrus 1-D, Hydrus 2-D, Kineros, Surfer, Microsoft Office
- Certifications: ACA Whitewater Kayak Instructor Trainer, American Heart Association CPR
- Previous certifications: Emergency Medical Technician, Wilderness First Responder, National Ski Patrol WEC

## LANGUAGES

- English (native)
- Spanish (fluent)

## REPRESENTATIVE PROJECT EXPERIENCE

### EMPLOYMENT HISTORY

*Environmental Field Specialist, SWCA Incorporated, Denver, CO —*

Conducted wildlife and raptor surveys in NW Colorado and SW Wyoming for Pioneer Oil and Gas as part of an Environmental Impact Assessment.

*Colorado Instructor, Department of Forest, Rangeland and Watershed Stewardship —*

Taught 400-level core course with an enrollment of 24 undergraduate and graduate students. Prepared and delivered weekly three-hour lectures on topics such as data collection issues, sampling techniques, instrument use, data analysis, and results presentation. Refined curriculum, overhauled lecture format, developed additional hands-on and computer-based activities, supervised lab exercises, planned logistics for field trips, and held regular office hours. Evaluated

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students, mentored graduate teaching assistant, and was accountable for all aspects of course quality. Teacher effectiveness rating of 4.8 / 5 on student evaluations.

*Graduate Research Assistant, Graduate Teaching Assistant—*

Designed and executed study of post-fire channel change in small mountain catchments. Conducted two seasons of field data collection and laboratory analysis, with findings to be presented as a Master's thesis, a conference presentation, and a manuscript for publication in a peer-reviewed journal. Assisted in the preparation of technical reports related to post-fire erosion at the hillslope and catchment scales. Developed familiarity with total station surveying techniques, soil sampling methods, particle size analysis, landscape and stream-bed inventory techniques, rainfall simulation, sediment fence construction and maintenance, and GIS analysis. Set up and maintained weather and stream gauging stations with over twenty traditional and electronic instruments as the fall 2004 teaching assistant for *WR417 Watershed Measurements*. Supervised labs, held bi-weekly office hours, graded and commented extensively on student work.

*Executive Director, Hoosic River Watershed Association, Williamstown, MA —*

Led non-profit grassroots organization dedicated to research, education, and advocacy in a three-state watershed. Worked independently and with Board of Directors to create strategic plan, develop programs, and conduct outreach, fundraising, and grant writing. Responsible for all aspects of \$50,000 budget, administered contracts with state and private service providers, supervised water quality monitoring coordinator, and maintained the organization's database. Managed successful *StreamTeam* inventory of the 303(d) listed Upper Hoosic, worked collaboratively with businesses and agencies during a controversial NPDES permitting process, and advocated for bioremediation of high in-stream temperatures during the re-fit of Army Corps of Engineers flood control chutes.

Increased membership 35% and program participation five-fold. Increased business and member contributions, despite faltering local economy. Initiated and supervised planning of successful \$100,000 board fundraising campaign that assured the financial stability of the organization despite sudden and extreme state budget cuts. Elected to the Massachusetts Watershed Coalition Board of Directors by colleagues.

*University of Michigan School of Education, Ann Arbor, MI*

Developed and executed, in collaboration with the School of Education, the Central American Odyssey, an online social studies curriculum designed to enhance participants' cultural awareness, critical thinking, and communication skills. Documented ten-week solo journey through Central America with essays and photos, providing core content for interactive website. Used reflective writings and stories to stimulate student interest and launch dialogue on the environment, immigration policy, stereotypes, poverty, responsible tourism, and cultural integrity. Facilitated online and classroom discussions, and helped conduct outreach and recruitment in secondary

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schools statewide.

Created and implemented the Columbia River Odyssey, an opportunity for motivated high school seniors to investigate salmon habitat, dams, and other river uses from many unique perspectives. Led five student participants on a three week journey to the Pacific Northwest and supervised content development for a web-based curriculum. Developed budget, planned itinerary and logistics, and rallied members of the host community with diverse backgrounds and agendas to donate time and expertise to the project.

*Adjunct Faculty, Department of Adventure Education, Prescott, AZ*

Taught month-long Adventure Education courses in California, Colorado, and Costa Rica to traditional and non-traditional students. Proposed, planned, and implemented advanced expeditionary curriculum in partnership with co-instructor. Managed complex logistics, acquired funding from student and department contributions, and handled budget for college's first international kayaking course. Accountable for all aspects of course quality and risk management. Trained, supervised, and evaluated junior staff, teaching assistants and students; served as advisor for senior capstone projects.

*Lead Instructor, Voyageur Outward Bound School, Ely, MN; Hurricane Island Outward Bound School, Newry, ME*

Led groups of adult, adolescent, and at-risk participants on extended canoeing and backpacking expeditions in Boundary Waters of Minnesota and wilderness of northern Maine. Responsible for course planning, curriculum, and safety.

*Island Ranger, Boston Harbor Island State Park, Boston, MA*

Created interpretive programs and educated the general public regarding the park's historical and ecological resources. Worked cooperatively with park volunteer corps, and was accountable for every facet of high quality visitor experience.