

## TROY D. HILL

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### Current:

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### Education:

**YALE UNIVERSITY**, New Haven, CT

Master of **Environmental Science**; expected May 2008

**CLARK UNIVERSITY**, Worcester, MA

Bachelor of Arts, **Environmental Science and Policy** (highest honors, summa cum laude); minor: Economics, received May 2006

### Experience:

#### **Research Assistant, Anisfeld Lab**

Yale School of Forestry and Environmental Studies

June 2006 – present

New Haven, CT

- Conducted field and lab work investigating the impact of nutrient loading on salt marshes
- Engaged in chemical analyses, N- and P-fertilization, took core samples, and helped develop techniques for evaluating decomposition rates
- Collected water quality data to assist the lab's river monitoring program

#### **Volunteer Water Quality Tester**

Massachusetts Audubon Society

2005 – 2006

Worcester, MA

- Operated in a two-person team to visually assess a local brook and measure dissolved oxygen levels
- Used protocols approved by the Department of Environmental Protection
- Collected samples for, and engaged in, chemical analyses (nitrate levels)
- Part of a watershed-wide effort to document water quality and target areas for clean-up

#### **Human-Environment Regional Observatory (HERO) REU Fellow**

Clark University Geography Dept.

2004 – 2006

Worcester, MA

- Set agenda for independent research on vulnerability to climatic variation
- Conducted interviews, transcribed and analyzed content guided by grounded theory
- Engaged in extensive archival research, led and analyzed qualitative interviews
- Co-authored paper for publication in *Geographical Bulletin*
- Co-authored book chapter, drawing on 2003-2005 research
- Mentored 2005 HERO-REU Fellows

### Selected Presentations:

“Is it Getting Hot in Here? A Mixed Methods Approach to Explaining ‘Suburban Drought’ in Humid Eastern Massachusetts.” Honors thesis poster presented in Worcester at Clark's April 2006 *Academic Spree Day*.

“Adaptation to Climate Variability in Central Massachusetts: A Focus on Structure and Agency.” Paper Presented in Chicago, Illinois at the March 2006 meeting of the AAG. Received “Best Undergraduate Paper” award from the Water Resources Specialty Group.

“Supplying Demand: Drought and Adaptive Capacity in Central Massachusetts.” Poster Presented in Worcester at the Colleges of the Worcester Consortium's April 2005 *Research Symposium on Environmental Issues in Worcester County*. Also presented at Clark's 2005 *Academic Spree Day* and to the Tatnuck Brook Watershed Association.

“From the Imperialism of Free Trade to the WTO: A Debate and Discussion.” Poster and debate presented in Worcester at Clark's April 2005 *Academic Spree Day*. Sponsor: Dr. John Brown, Department of Economics.

“The Impact of Strategies to Revitalize the Main South Neighborhood: Evidence from Property Values.” Poster presented in Worcester at Clark's April 2004 *Academic Spree Day*. Sponsor: Dr. John Brown, Department of Economics.

### Skills:

- Skilled in Access, Excel, Idrisi, ArcView, Express Scribe, and Atlas.ti
- Familiar with SPSS, STATA, and GeoDa

### Memberships:

- Phi Beta Kappa (inducted May 2006)
- Association of American Geographers (AAG) (February 2005-present)

Honors/Activities:

- Recipient, *Geller Student Research Award* for projects related to sustainability (2006)
- Awarded “Best Undergraduate Paper” by the AAG’s Water Resources Specialty Group (2006)
- National Dean’s List (2006)
- Who’s Who of American Students (2006)
- Fiat Lux Honor Society, member of Steering Committee (2005-06)
- Formed the Painted-As-One Initiative, a student-led community mural project (2005)
- Undergraduate Student Representative, Environmental Science & Policy Faculty Search Committee (2005)
- Recipient, HERO Fellows Award (2004, 2005)
- Recipient, *Howard and Leah Green Endowed Scholarship Fund in the Environmental School* (2004-06)
- Awarded and maintained *Gustaf H. Carlson Presidential Scholarship* for academic achievement (2002-2006)
- Offered NSF/STEMTEC Teaching Scholar Award (2002)