



# Guide to the Nicholas School Master's Projects, 1933-2005

---

This collection guide was produced in .

This PDF version was created on **April 3, 2026**.

David M. Rubenstein Rare Book & Manuscript Library

103 Perkins Library, Duke University

Durham 27708-0185

919-660-5822

[askRL@duke.edu](mailto:askRL@duke.edu)

URL: <http://library.duke.edu/rubenstein/>

---

## Table of Contents

---

<a href="#">Summary</a> .....	3
<a href="#">Background</a> .....	4
<a href="#">Arrangement</a> .....	4
<a href="#">Administrative Information</a> .....	4
<a href="#">Names and Subjects</a> .....	5
<a href="#">Collection Inventory</a> .....	6
<a href="#">1933-1939 -- Master's Projects</a> .....	6
<a href="#">1940-1949 --Master's Projects</a> .....	6
<a href="#">1950-1969 -- Master's Projects</a> .....	6
<a href="#">1970-1979 -- Master's Projects</a> .....	7
<a href="#">1980-1989 -- Master's Projects</a> .....	7
<a href="#">1990-1999 -- Master's Projects</a> .....	7
<a href="#">1999 -- Master's Projects</a> .....	9
<a href="#">2000 -- Master's Projects</a> .....	17
<a href="#">2001 -- Master's Projects</a> .....	26
<a href="#">2002 -- Master's Projects</a> .....	34
<a href="#">2003 -- Master's Projects</a> .....	43
<a href="#">2004 -- Master's Projects</a> .....	49
<a href="#">2005 -- Master's Projects</a> .....	56
<a href="#">2006 -- Master's Projects</a> .....	63
<a href="#">2007 -- Master's Projects</a> .....	63

## Summary

---

**Collection Title:**

Nicholas School Master's Projects, 1933-2007

**Creator:**

Nicholas School of the Environment and Earth Sciences (Duke University)

**Abstract:**

As of 2005, the Nicholas School of the Environment and Earth Sciences at Duke University offers two master's degree programs: Master of Environmental Management (MEM) and Master of Forestry (MF). Both degree programs require students complete a master's project that presents an in-depth or quantitative analysis of a problem related to the students' particular focus area. Collection contains printed, bound master's projects. Materials range in date 1933-2005. Master's Projects for 2005 are held in the Nicholas School office. English.

**Extent:**

82.5 Linear Feet  
2400 Items

**Physical Location:**

For current information on the location of these materials, please consult the Library's online catalog.

**Language:**

English

**Language:**

Material in English

**Collection ID:**

UA.18.01.0003

**Permalink:**

<http://library.duke.edu/rubenstein/findingaids/uanicholasmaster/>

**Preferred Citation**

[Identification of item], Nicholas School Master's Projects, Duke University Archives, David M. Rubenstein Rare Book & Manuscript Library, Duke University.

[Return to Table of Contents](#)

## Background

---

### Scope and Content

Collection contains printed, bound master's projects. Materials range in date 1933-2005. **Master's Projects for 2005 (boxes 15-16) are held in the Nicholas School office.** Box 14 ends with Zollett 2004.

### Biographical/Historical

As of 2005, the Nicholas School of the Environment and Earth Sciences at Duke University offers two master's degree programs: Master of Environmental Management (MEM) and Master of Forestry (MF). Both degree programs require students complete a master's project that presents an in-depth or quantitative analysis of a problem related to the students' particular focus area.

[Return to Table of Contents](#)

---

## Arrangement

---

Master's Projects are arranged in chronological order by year, then alphabetically by author's last name.

[Return to Table of Contents](#)

---

## Administrative Information

---

### Publication Statement

David M. Rubenstein Rare Book & Manuscript Library

103 Perkins Library, Duke University

Durham 27708-0185

919-660-5822

[askRL@duke.edu](mailto:askRL@duke.edu)

URL: <http://library.duke.edu/rubenstein/>

## **Access Restrictions**

Researchers must register and agree to copyright and privacy laws before using this collection.

Current year stored on-site. Previous years in off-site storage; 48 hours advance notice is required for use.

## **Use Restrictions**

Copyright for Official University records is held by Duke University; all other copyright is retained by the authors of items in these papers, or their descendants, as stipulated by United States copyright law.

## **Acquisition Information**

The Nicholas School Master's Projects was received by the University Archives as a transfer in 2005, 2008.

The Nicholas School Master's Projects 2003-2004 were received by the University Archives as a transfer in 2007.

The Nicholas School Master's Projects 1933-1997 were received by the University Archives as a transfer from the Biological and Environmental Sciences Library in 2008.

## **Processing Information**

Processed by Jennifer Henderson, Kimberly Sims

Completed November 2005

Encoded by Jill Katte, November 2005.

Updated by Sherrie Bowser, September 2007.

Updated by Sherrie Bowser, July 2008.

Updated by Sherrie Bowser, September 2008.

[Return to Table of Contents](#)

---

## **Names and Subjects**

---

- Forest management

- Environmental management
- Nicholas School of the Environment and Earth Sciences (Duke University)
- Duke University -- Students
- Nicholas School of the Environment and Earth Sciences (Duke University)

---

## Collection Inventory

---

### 1933-1939 -- Master's Projects

Physical Description: 1 boxes

1933-1943	Box 17
-----------	--------

[Return to Table of Contents](#)

### 1940-1949 --Master's Projects

Physical Description: 5 boxes

1933-1943	Box 17
-----------	--------

1946-1947 Mills	Box 18
-----------------	--------

1947- Ralston-1948 Pomeroy	Box 19
----------------------------	--------

1948 Reed-1949 Ralston	Box 20
------------------------	--------

1949 Rogers-1950 Wycoff	Box 21
-------------------------	--------

[Return to Table of Contents](#)

### 1950-1969 -- Master's Projects

Physical Description: 4 boxes

1949 Rogers-1950 Wycoff	Box 21
-------------------------	--------

1950 Zirkle-1951 Powell	Box 22
-------------------------	--------

1951 Smith-1953 Markley	Box 23
-------------------------	--------

1955 Haeussler-1957 Hitchings	Box 24
-------------------------------	--------

1957 Hug-1970 Elliot	Box 25
----------------------	--------

[Return to Table of Contents](#)

### **1970-1979 -- Master's Projects**

**Physical Description:** 4 boxes

1957 Hug-1970 Elliot	Box 25
1970 McLaughlin-1976 Wilson	Box 26
1977 Coffey-1979 Croxton	Box 27
1979 Doubs-1980 Brown	Box 28

[Return to Table of Contents](#)

### **1980-1989 -- Master's Projects**

**Physical Description:** 12 boxes

1979 Doubs-1980 Brown	Box 28
1980 Conklin-1980 Zoephil	Box 29
1981 Berger-1981 Ruzsa	Box 30
1981 Spath-1982 Thayer	Box 31
1982 Ticknor-1983 Paige	Box 32
1983 Quin-1984 Smith	Box 33
1984 Sontheimer-1985 Shrestha	Box 34
1985 Spollen-1986 Stout	Box 35
1986 Sullivan-1987 Smith	Box 36
1987 Spellman-1988 Moyer	Box 37
1988 Ompal-1989 Lahm	Box 38
1989 Mahon-1990 Dreyfors	Box 39

[Return to Table of Contents](#)

### **1990-1999 -- Master's Projects**

**Physical Description: 22 boxes**

1989 Mahon-1990 Dreyfors	Box 39
1990 Durin-1990 Tippert	Box 40
1990 Valetine-1991 Howard	Box 41
1991 Hudson-1991 Vilem	Box 42
1991 Vise-1992 Gerlaugh	Box 43
1992 Gerzon-1992 Rosner	Box 44
1992 Samuels-1993 Chazal <b>Box pulled for cataloging. Contents unavailable until cataloging is complete.</b>	Box 45
1993 Clevelan-1993 Seiberling	Box 46
1993 Sharma-1994 Cizmas	Box 47
1994 Clark-1994 Milone	Box 48
1994 Munishi-1995 Andrell	Box 49
1995 Archer-1995 Knipling	Box 50
1995 Knatt-1995 Zimmerling	Box 51
1996 Abadia-1996 Herz	Box 52
1996 Hester-1996 Murakami	Box 53
1996 Nelsen-1996 Welton	Box 54
1996 West-1997 Grant	Box 55
1997 Haddad-1997 Oswald	Box 56
1997 Palumbo-1997 Zipp	Box 57
1998 Abedin-1998 Guevara	Box 58
1998 Gutowski-1998 Olnger	Box 59
1998 Peterson-1998 Zukerberg	Box 60

[Return to Table of Contents](#)

## 1999 -- Master's Projects

**Physical Description:** 3 boxes

### Scope and Contents note

Box 1 has been pulled for cataloging (May 2013). Contents will be unavailable until cataloging is complete.

- |   |       |
|---|-------|
| Anderson, Brian Pitner : "Involvement of CYP1A2 in the Metabolism and Toxicity of Bromodichloromethane (BDCM)," 1999                        | Box 1 |
| Anderson, Elise Driscoll : "Science & Decision Making at the Environmental Protection Agency, Region IX, San Francisco," 1999               | Box 1 |
| Anderson, Maren E. : "Goose Creek Urban Stream Restoration Project: A Baseline Study," 1999   | Box 1 |
| Anley, Melissa Beatriz : "Harnessing Cyberspace: A Study of Perceptions, Utility and Customer Satisfaction with the U.S.E.P.A.," 1999       | Box 1 |
| Arnold, Keith D. : "Historic Preservation on Dynamic Coastlines: To Move or Not to Move?," 1999   | Box 1 |
| Babcock, Scott R. : "Light Pollution and the Night Sky; an Emerging Resource Management Problem for the National Park Service.," 1999       | Box 1 |
| Bailey, Joseph Jeremy : "Compositional Analysis of the Cane Creek Watershed," 1999  | Box 1 |
| Bayer, Taryn Frost : "The Effect of CO2 on the Growth Rates of Loblolly Pine Trees," 1999   | Box 1 |
| Blackmore, Laura L. : "Quaternary Lake-Level Fluctuations at Puno Bay, Lake Titicaca, Peru: Regional and Global Climate Implications," 1999 | Box 1 |
| Bohensky, Erin L. : "Road Mortality of the Zanzibar Red Colobus Monkey (Procolobus  |       |

kirkii): Implications of Landscape Pattern in an African Forest Reserve," 1999	Box 1
Bolduc, Joel F. : "Maximizing Profits to Protect the Environment Pollution Prevention at a Textile Printing Facility," 1999	Box 1
Boren, Sarah A. : "Analysis of Potential Barriers to the Restorative Economy Vision; Case Studies with the US Economy, the Raw Milk Industry and an Individual Dairy Farm ," 1999	Box 1
Boyer, Stanley M. : "Teleworking: How Does this Traffic Congestion and Air Pollution Reducing Program Offer Added Value for Corporations?," 1999	Box 1
Bramlage, J. Catherine : "Supplemental Environmental Projects: An Analysis of the Use of SEP's in Environmental Enforcement Actions," 1999	Box 1
Bressler, David W. : "Influence of Land Use and Stream Habitat on Macroinvertebrate Communities of the Henrys Fork Watershed in Idaho and Wyoming," 1999	Box 1
Brooks, Anna L. : "An Analysis of the Environmental Variables Associated with Two Protected Forest Communities in Washington State," 1999	Box 1
Burroughs, Elizabeth P. : "Regeneration Ecology of Baldcypress on the Roanoke River Floodplain, North Carolina," 1999	Box 1
Butry, David T. : "Tropical Forest Conservation in Ruteng Park; Welfare Implications of a Command and Control Strategy," 1999	Box 1
Buxton, Andrea : "Assessing the Impact of Methyl Tertiary-Butyl Ether (MTBE) on Drinking Water Supplies in Lake Tahoe, California," 1999	Box 1
Chen, Ming-chun : "Management and Monitoring of Dengue Vectors in Taiwan," 1999	Box 1

Cohen, Joshua Gabriel : "Silvicultural Strides Toward the Sustainable Management of Mahogany ( <i>Swietenia macrophylla</i> King) in the Rio Bravo Conservation and Management Area of Belize," 1999	Box 1
Colborn, Katherine : "Interactions Between Humans and Bottlenose Dolphins, <i>Tursiops Truncatus</i> , near Panama City, Florida," 1999	Box 1
DeSanto, Elizabeth Maxwell : "The Effectiveness of the Agreement on the Conservation of Small Cetaceans of the Baltic and North Seas," 1999	Box 1
Dickson, Alisa : "The Effects of Disturbances on Community Succession in <i>Cladium</i> Areas of WCA 2B of the Florida Everglades," 1999	Box 1
Dorley, Peter J. : "Adsorption of Hydroxy Pyridines and Quinolines onto Titanium Dioxide," 1999	Box 1
Forney, William M. : "The Volumetric Runoff and Erosion Model; A Landscape Perspective of Erosion and Land Use in the Upper Truckee Watershed, Lake Tahoe, California ," 1999	Box 1
Fritz, Lesley : "Creating Another Kalundborg: Case Study of Industrial Ecology in Research Triangle Park, NC," 1999	Box 1
Gelbard, Jonathan L. : "Multiple-Scale Causes of Exotic Plant Invasions in Rangelands of the Colorado Plateau and Great Basin, USA," 1999	Box 1
Gere, Jessica R. : "Shellfish Sanitation in Eastern North Carolina: A Proposal for Change," 1999	Box 1
Good, Caroline : "A Conservation Plan for Protecting Sea Turtle Nesting Beaches at the East End of St. Croix," 1999	Box 1
Goodman, Kimberley T. : "A Site Conservation Plan for the Vanishing Rivers, Central Idaho," 1999	Box 1

Gray, Charlotte D. : "A Spatial Analysis of Bottlenose Dolphins, Tursiops, Truncates, and Shrimp Trawling Activity in the Gulf of Mexico," 1999	Box 1
Gurtman, Sarah : "Analysis of the Use of Spotter Aircraft in the Atlantic Bluefin Tuna Fishery, " 1999	Box 1
Guzman, Greta G. : "Predicting Tropical Deforestation: A Case Study in Rio Branco, Acre of Brazil, " 1999	Box 1
Hale, Rhea K. : "The National Expansion of Startrack Issues Regarding the Delegation of Environmental Compliance Oversight," 1999	Box 1
Heiner, Michael G. : "Habitat Use by Rocky Mountain Sheep on the Yellowstone Northern Range," 1999	Box 1
Hofmockel, Kirsten : "Effects of Hydrologic Management Decisions on Marsh Structure in Water Conservation Area 2A of the Everglades, Florida," 1999	Box 1
Hopkins, Susan E. : "An Examination of Breeding Bird Communities in the North Carolina Sandhills, " 1999	Box 2
Hunt, Rhonda : "An Initial Marketing and Distribution Study of the City of Raleigh's Municipal Biosolids, pH Plus+," 1999	Box 2
Ikemoto, Nao : "A Sensitivity Analysis of a Thermal Power Plant Project in Developing Countries, " 1999	Box 2
Ivker, Julie : "Ecotourists and Handicrafts: Purchase Behavior by Visitors to the Peruvian Amazon," 1999	Box 2
Johnson, Nils Anders Christian : "A Landscape Level Monitoring Plan for the Forested Floodplain Communities of the Lower Roanoke River Basin in North Carolina," 1999	Box 2

Joscelyn, Tyler Q. : "Drinking Water Survey and Recommendations for a Rural Community," 1999	Box 2
Kannler, Kathleen Ann : "Water Quality at Four Boston Harbor Beaches: A Predictive Measure to Beach Closures," 1999	Box 2
Karousakis, Katia T. : "Economic Incentive Policies to Reduce Pollution Emissions from Vehicles: The Case for Vehicle Characteristics Taxes," 1999	Box 2
Kester, Jessica S. : "The Development of an Interpretive Program at Lime Kiln Point State Park, " 1999	Box 2
Koniuto, James S. : "Development of a Probability (Bayes) Network Model for the Management of Nitrogen in the Neuse river Basin of Eastern North Carolina," 1999	Box 2
Kool, Johnathan : "A Baseline Assessment of Selected Biological Species and Physical Environmental Factors in the Rachel Carson Estuarine Research Reserve, " 1999	Box 2
LaForge, Ashley Alexandra : "Waste Water Management Districts: An Alternative to Public Sewers for Rural Communities," 1999	Box 2
Link, Rick T. : "Assessment of Cumulative Impacts in Hydropower Relicensing," 1999	Box 2
Lobeira, Santiago : "Environmental Strategy to Manage Hazardous Wastes in the Telecommunications Industry. Case Study: Using Sprint's GIS to Manage Spent Lead-Acid Batteries," 1999	Box 2
Lovett, Crystal G. : "Environmental and Economic Implications of Tree Protection Ordinances in the Research Triangle Region of North Carolina," 1999	Box 2
McKinstry, Sara J. : "Scientists are from Mars, Journalists are from Venus: Marine Scientists	

and the Media in Environmental Education," 1999	Box 2
Miller, Tancred : "Land-Use Planning under CAMA: Implications for the Commercial Fishing Industry in Carteret County, North Carolina," 1999	Box 2
Minnemeyer, Susan L. : "Reducing Barriers to Mahogany Regeneration in Belize: Factors Affecting Germination, Seedling Survival, and Insect Attack," 1999	Box 2
Mislivets, Maureen : "Optimizing Land Management Strategies Using Site and Regional Scale Information: A Case Study for Rifle Ridge Farm, Highland County, VA," 1999	Box 2
Moesel, Sharon M. : "A Fishery Management Plan for the Shellfish Fishery in Core Sound, NC," 1999	Box 2
Moorman, Randall S. : "Protected Areas and Local Community Relations: A Case Study at La Selva Biological Station, Costa Rica," 1999	Box 2
Murray, Kimberly T. : "Spatial and Temporal Heterogeneity in Bycatch Rates of Harbor Porpoises in the Gulf of Maine: Implications for the Design of Marine Reserves," 1999	Box 2
Myers, C. Jordan : "Development of Vegetation in a Created Wetland: The Effect of Substrate, " 1999	Box 2
Nowicki, ReNae S. : "Prioritization of Chesapeake Bay Watersheds for Ecological Improvement through Wetland Restoration, Enhancement and Protection, " 1999	Box 2
Okada, Tomoyuki : "Nutrient Trading Program in the Tar-Pamlico River and Command and Control System in the Neuse River," 1999	Box 2
Parson, Tiffany Ann Seibold : "Does Maternal Fluoranthene Exposure Provide Photo-	

Protection in the Offspring of the Killifish (fundulus heteroclitus)?, " 1999	Box 2
Pearlman, Leslie C. : "Barriers and Beyond: Subsurface Containment and Monitoring Systems," 1999	Box 2
Pickler, Kristopher A. : "The Increasing Role of Offshore Aquaculture in Ocean Management," 1999	Box 2
Popot, Stephanie P. : "Application of Different Methodologies of Evaluation to a Forestry Development Project in Poland," 1999	Box 2
Quarterman, Steven J. : "Conservation Guidelines for Colonial Beach-Nesting Birds on the Barrier Islands of North Carolina," 1999	Box 2
Rao, Leela E. : "Changes in Abundance of Seagrass and Algae in a Pacific Northwest Estuary, " 1999	Box 2
Rodriguez, Denise M. : "Cost Benefit Analysis in Chile: 'Cascada Chile' Project," 1999	Box 2
Rosenberg, Sarah A. : "Practical Applications of Ecotourism to Avian Conservation in the Neotropics, " 1999	Box 2
Rothenberg, Jason A. : "Sustainable Dive Tourism in Egypt's RAS Mohammed National Park," 1999	Box 2
Salem, Joseph Alexander : "Green Power and its Potential as a Viable Energy Source: A Texas Case Study, " 1999	Box 2
Sampson, Daniel W. : "Assessment of Long-Term Land Use and Vegetation Change in the Albemarle-Pamlico Watershed Using NOAA AVHRR Satellite Data," 1999	Box 2
Sayoc, Marico : "The Regulatory Process Governing Dredge Disposal: A Retrospective Case Study of Moss Landing Harbor," 1999	Box 2

Schreifels, Jeremy : "Corporate Carbon: A General Framework for Calculating Corporate Greenhouse Emissions," 1999	Box 2
Selberg, Carrie D. : "Environmental Variations and Low Oxygen in the Neuse River; Responses of Crabs and Crabbers," 1999	Box 2
Shoch, David Taylor : "An Ecological and Economic Evaluation of Railroad Tie Harvest in the Ejido Xpichil, Quintana Roo, Mexico," 1999	Box 2
Shoffler, Sarah M. : "The Development of a Marine Conservation District to Enhance Fisheries in the US Virgin Islands," 1999	Box 3
Shoji, Noriko L. : "Geospatial Analysis of Commercial Trawl Effort within the Olympic Coast National Marine Sanctuary," 1999	Box 3
Shurna, David J. : "The Socioeconomic Impact of Community Conservation Initiatives: A Case Study in the Pacaya-Samiria National Reserve, Peru," 1999	Box 3
Siebert, Cynthia : "Developing an Effective Water Supply Demand Management Strategy in the Lower Colorado River Basin," 1999	Box 3
Sklad, Elizabeth A. : "A Land Management Plan for Smith's Island, Bermuda," 1999	Box 3
Smid, Christopher : "Reforestation of Degraded Agriculture Land with Native Tree Species in the Buffer Zone of the Calakmul Biosphere Reserve, Campeche, Mexico," 1999	Box 3
Smith, Darcie P. : "An Examination of Mercury Contamination in the Environment," 1999	Box 3
Smith, Kristopher S. : "Changing Traditions; An Economic Comparison Between the Norwegian Whaling and Whale-Watching Industries," 1999	Box 3
Sobti, Mayuri V. : "The Land and Water Conservation Fund Prioritizing Federal Land Acquisitions for Biological Conservation," 1999	Box 3

---

Solomon, Hilary : "The Potential Utility of Phytoremediation in Oregon and Washington," 1999	Box 3
Sussman, Sheryl : "Using GIS to Evaluate the Potential for Wetlands to Improve Water Quality in the Nanticoke River Watershed," 1999	Box 3
Szymczak, Shannon Rider : "Buying the Jocassee Gorges: State Park, Game Land or Both? A Case Study of North Carolina's Efforts to Establish the First State Park West of Asheville," 1999	Box 3
Takimoto, Asako : "Analysis of Forest Resource Management for Conservation and Community Development; Care International Project in Indonesia, " 1999	Box 3
Tansey, Heather : "The Economic Impacts of Sediment and Sedimentation on Electric Utilities, " 1999	Box 3
Thomson, Allison M. : "Modeling the Response of Physical Ocean Processes to Climate Change," 1999	Box 3
Williams, Kimberlee C. : "A Population Viability Analysis of Rough-Leaf Loosestrife and Venus Flytrap in the Green Swamp Preserve, NC," 1999	Box 3
Wu, Hsin-Jung : "Implementation of ISO 14001 Environmental Management System: A Case Study on Incineration Plants in Taiwan," 1999	Box 3
Yellin, Anna : "Monitoring Avian Health and Disease for Conservation Management," 1999	Box 3

---

[Return to Table of Contents](#)

## **2000 -- Master's Projects**

**Physical Description:** 4 boxes

Anderson, Sloan K. : "An Analysis of Stakeholder Perspectives and Best Management

Practices for the Florida Aquaculture Industry," 2000	Box 3
Armstrong, Charles S., Jr. : "Reproductive Success of Red-Cockaded Woodpecker Clusters on Sandy Island, South Carolina," 2000	Box 3
Baehr, Carsten H. : "Statistical Evaluation of the UTAB Database for Use in Terrestrial Nontarget Organism Risk Assessment," 2000	Box 3
Barfield, Wayne A. : "An Analysis of Water Quality on Three Forested Watersheds in Randolph County, West Virginia," 2000	Box 3
Bartee, Margaret : "Perchloroethylene and Urban Air Quality: Is Our Nation's Health Getting Taken to the Cleaners?," 2000	Box 3
Beamish, Sarah Starr : "Olema Creek Watershed Management Plan: Protecting and Restoring Coho Salmon and Steelhead Trout," 2000	Box 3
Beardsley, Kate E. : "Fish Respiratory Responses to Hypoxia in the Neuse River," 2000	Box 3
Bell, Joel T. : "Preliminary Characterization and Analysis of Selected Artificial Warm-Water Refugia and Their Use by the Florida Manatee, <i>Trichechus manatus latirostris</i> , on the East Coast of Florida," 2000	Box 3
Berlin, Daniel J. : "Determination of the Hydrologic Properties of a Forested Slope Wetland Bloch, Phillip North Carolina Non- Native Plant Survey: Lessons for Monitoring, Management and Damage Assessments.," 2000	Box 3
Bloch, Philip Leo : "North Carolina Non- Native Plant Survey: Lessons for Monitoring, Management and Damage Assessments," 2000	Box 3
Bohart, Barbara : "From Private to Preserved: Landowner Motivations to Donate Real Estate Interests," 2000	Box 3

---

Brewster, David B. : "End-User Financing of Solar Home Systems in Developing Countries," 2000	Box 3
Brownstein, Carrie R. : "Considering Other Consumers: Consumption of Atlantic Herring by Marine Mammals in the Gulf of Maine," 2000	Box 3
Bunn, Andrew : "Landscape Connectivity: A Focal Species Approach Using Graph Theory., " 2000	Box 3
Buppert, Gregory D. : "Forestry for Biodiversity Conservation: Regenerating Mahogany (Swietenia macrophylla King) in the Tropical Moist Forests of Belize, " 2000	Box 3
Cable, Michelle E. : "The Chesapeake Bay: A Modern Common Pool Resource," 2000	Box 3
Campbell, Kimberley (Kim) : "Water Quantity for Instream Uses in National Parks: A Study of External Threats to Park Waters in the Southeast," 2000	Box 3
Cason, Rebecca D. : "Characterization of Sedimentation and Water Quality in Lake Jeanette, NC through Physical Measures and Modeling," 2000	Box 4
Cheeseman, Ted : "Analysis of the Impact of Protected Area Establishments on Deforestation in Caribbean Guatemala," 2000	Box 4
Clark, Heidi : "Alternative Fuel Vehicles and Corporate Decision Making: A Cost Comparison Study of Duke Energy Options," 2000	Box 4
Cooper, James (Jim) : "Spatial Variation in the Distribution of Epigaeic Arthropods in Southeastern Pine Forests," 2000	Box 4
Craig, Nathan : "Carolina Piedmont Reservoir Shoreline Stabilization and Horticulture Guide, " 2000	Box 4

---

---

Desmarais, Anne : "Designing a Conservation Portfolio for the North Carolina Sandhills, " 2000	Box 4
Dierkers, Gregory J. : "An Evaluation of Transportation Strategies for Research Triangle Park, North Carolina," 2000	Box 4
Engler, Cristina : "Soil Characteristics of Duke Stormwater Improvement and Wetland Restoration Site," 2000	Box 4
Fagan, Christopher T. : "Cultural and Economic Constraints to Land Use In Paso Caballos, Laguna Del Tigre National Park, Guatemala," 2000	Box 4
Fiori, Cristina W. : "The Palmetto-Peartree Preserve in Eastern North Carolina: An Ecotourism Feasibility Study," 2000	Box 4
Fisher, Jeff : "Guidance for Program Directors in the Latin American Caribbean Region of The Nature Conservancy," 2000	Box 4
Foulks, Guy B. : "Involving Immigrant Communities in Ecotourism: Case Study of the Baltimore Community in Amazonian Per," 2000	Box 4
Francisco, Alex : "The Sorption Characteristics of the Water Tracer Rhodamine WT onto Various Subsurface Media," 2000	Box 4
Friedrichs, Gillian C. : "Effectiveness of Water Quality Monitoring Designs: Decision-Making Under the Clean Water Act," 2000	Box 4
Goldman, Rebecca L. : "The Etiology of Menhaden Sores: Temporal Spatial and Environmental Correlates," 2000	Box 4
Gomberg, Samuel (Sam) : "A Comparative Analysis of Commercial Net Fishing in Three States," 2000	Box 4
Gouldman, Carl C. : "Acoustic Behavior of Pinfish (Lagodon Rhomboides)," 2000	Box 4

---

Grau, Xavier : "Managing Water Scarcity: A Case Study in Northeastern Spain," 2000	Box 4
Greiner, Sara Niven : "Effect of Atrazine on Mammary Gland Development in Rats," 2000	Box 4
Griffin, Jay : "An Ahupua'a Assessment and Monitoring Program to Help Malama Hanalei Ahupua'a, " 2000	Box 4
Hale, Christopher L. : "A Plan to Reduce Physical Damage to Coral and Algal-Vermetid Reefs in Bermuda," 2000	Box 4
Hall, Deborah J. Wojcik : "The Coastal North Carolina Connecting Point: A Web-Based Information and Communication Tool for Citizens," 2000	Box 4
Hasinak, Kimberly A. : "Predicting Nutrient Pollution in the Neuse River Basin Using Economic Models of Urbanization," 2000	Box 4
Henkels, Jamie L. : "A Comparative Study of Water Quality and Quantity in Three Subbasins of the Yadkin River Basin, North Carolina," 2000	Box 4
Hesterman, Avishai (Avi) : "A Photographic Primer to Southern Appalachian Old-Growth Forests," 2000	Box 4
Hoert, Megan Erin : "Creating the Urban Toolshed: A Case Study of Durham Children's Perceptions of Nature and Neighborhood," 2000	Box 4
Holmes, Zakiya : "The Effect of Loblolly Pine (Pinus taeda) Log Decomposition on Soil Nutrients, " 2000	Box 4
Jacobs, Heather E. : "Landuse Effects on Streamflow in a Southern New Jersey Watershed," 2000	Box 4
Kade, Tyson Clinton : "The Natural and Social Science Implications of Bluefin Tuna Migrations off North Carolina," 2000	Box 4

---

---

Kelly, Sheryl J. : "A Public Beach and Coastal Waterfront Access Handbook for Local Governments, " 2000	Box 4
Kenny, Shannon C. : "An Evaluation of the Air Transportation Industry as a Candidate for EPA's Sustainable Industry Program," 2000	Box 4
Kintsch, Julia Alexandra : "An Assessment of Representative-Based Conservation in the Amphibolite Mountains, North Carolina," 2000	Box 4
Kubik, Julie A. : "Trimethyltin-Induced Injury in the Mouse Hippocampus: Role of Microglia Activation in Neurodegeneration," 2000	Box 4
Lanteri, Charlotte Anne : "Isolation and Partial Characterization of Human Hemoglobin Adducts as a Result of Acrylamide Exposure," 2000	Box 4
Lauer, Jean : "An Analysis of Interagency Cooperation and Partnership in Conservation Planning in Idaho," 2000	Box 4
Leach, Julie M. : "Hydrodiplomacy: Mitigating International Freshwater Conflict in the Mekong River Basin," 2000	Box 5
Lee, Wan-Hsuan : "Selected Agricultural Best Management Practices in the Te-Chi Reservoir Watershed, Taiwan," 2000	Box 5
LeVine, Michael : "Using Computerized Decision Analysis Tools to Model Environmental Litigation, " 2000	Box 5
Lin, Fang-Hsu : "Using Microsomal Monooxygenases System of Brown Rats for the Evaluation of Reclaimed Fure-Der-Kung Landfill in Taiwan," 2000	Box 5
Lipsitch, Joel : "Product Deselection: Understanding and Responding to Consumer Pressure to Improve Environmental Performance in the Chemical Industry, " 2000	Box 5

---

McVeigh, John M. : "Standardizing TRI Reporting Practices: A Case Study of the Semiconductor Industry," 2000	Box 5
Metzger, Jessica M. : "Assessing Forest Health Using Tree Crown Measurements," 2000	Box 5
Moore, Kathleen (Katie) : "Take Reduction Process Handbook: Improving Marine Mammal Bycatch Management, " 2000	Box 5
Moorside, Peter Douglas : "Integration of Physical Oceanography with Spatio-Temporal Patterns of Stranded Sea Turtles in North Carolina," 2000	Box 5
Moriya, Takashi : "Trends in soil cation-leaching under the Free Air Carbon-dioxide Enrichment (FACE) Experiment," 2000	Box 5
Myers, Sara E. : "Nonpoint Pollution from Animal Sources: Public Health Concerns and Methods for Detection in Recreational Beach Waters," 2000	Box 5
Nevius, Sherri Corbin : "Illegal Dumping in North Carolina: An Assessment and Prevention Guide, " 2000	Box 5
Newbold, Rochelle : "A Struggle to Remain Pristine: A Policy Analysis of Local Government in the Bahamas and Its Struggle Between Economic Development and Conservation," 2000	Box 5
Norenberg, Karen M. : "Survival of E. coli in Seawater Due to Growth in Biofilms," 2000	Box 5
O'Connor, Jennifer M. : "Regeneration and Growth of Mahogany (Sweitenia Macrophylla King) in Belize: Implications for Sustainable Management," 2000	Box 5
Ott, Nicole Christine : "The Application of Permeable Reactive Barriers to Inorganic Contaminant Remediation," 2000	Box 5

Painter, Rusty : "Analysis of Parking Impacts on the Trees of Forest Hills Park, Durham, NC, " 2000	Box 5
Park, Robin : "Mitigating Coastal Hazards through Property Acquisition - An Analysis of Oceanfront Property in Nags Head, North Carolina," 2000	Box 5
Paulson, Amy L. : "Prioritization of Riparian Buffer Protection and Restoration in the Upper Tar River Basin Using a Geographic Information System," 2000	Box 5
Rakestraw, Catherine A. : "An Evaluation of the Risk-Based Approach to Brownfield Remediation and Development," 2000	Box 5
Ramacciotti, Francis Christopher : "Modeling of Nitrogen Transport and Transformation in Soil at Duke University's Free Air Carbon Exchange Site," 2000	Box 5
Rangel, Jorge Rivera : "Does it pay to be green in the developing world? Participation in a Costa Rican voluntary environmental program and its impact on hotels' competitive advantage" , 2000	Box 5
Rogers, Bradley D. : "Using Statistical Indicators to Track Maryland's 'Smart Growth' Agenda, " 2000	Box 5
Schichtel, Heather L. : "Spatial Analysis of Seedling Distribution in a Peruvian Rain Forest," 2000	Box 5
Schick, Robert S. : "Spatial Components of Bowhead Whale (Balaena mysticetus) Distribution in the Alaskan Beaufort Sea," 2000	Box 5
Schnee, Nicholas : "Observations on the ISO 14001 Registration System and the Registrar's Role in Encouraging Environmental Performance," 2000	Box 5

---

Serrano, Sara Patricia Zurita : "Ecosystem Valuation: Concepts, Theories and Empirics," 2000	Box 5
Shibata, Kazunao : "The Reform of the Pollution Levy System in China," 2000	Box 5
Shipman, Susan J. : "Community-Based and Environmentally Responsible Tourism in the Okavango Delta, Botswana," 2000	Box 5
Simmons, Wendy L. : "An Evaluation of the North Carolina Natural heritage Program with Emphasis on the Registry of Natural Areas," 2000	Box 5
Singh, Sumita : "A Changing Southern Landscape: Rapid Land-Cover Changes in North Carolina from 1982-1997," 2000	Box 5
Snyder, Lorraine A. : "Leasing Copiers: Strategy to Reduce Materials Use?," 2000	Box 5
Soell, Joseph E. : "Effective Management Techniques of Fish Communities in a Restored Wetland, " 2000	Box 5
Sortais, Kristen : "An Evaluation of Controlled Access in the Georgia Blue Crab Fishery, " 2000	Box 5
TePas, Kristin M. : "An Evaluation of the Proposed Re-Introduction of the Bloater (Coregonus hoyi) into Lake Ontario," 2000	Box 5
Watts, Sarah C. : "The Effects of Reduced Flooding Frequency on Species Composition in a Bottomland Hardwood Stand in the Piedmont of North Carolina," 2000	Box 5
Williams, Mya D. : "Nitrogen Deposition as a Causal Agent in Northern Hardwood Forest Decline in the Southern Appalachians," 2000	Box 6
Wintergreen, James T. : "A Hedonic Analysis of Residential Development and Water Quality in the Lake Jeanette Watershed," 2000	Box 6

---

Wu, David C. : "Ecological and Political Dynamics of Fish Nursery Areas: Marshallberg, NC, " 2000 Box 6

---

Yang, Jui-Chen : "Exploring Diverse Public Preferences for the Nantahala and Pisgah National Forests in North Carolina," 2000 Box 6

---

[Return to Table of Contents](#)

## 2001 -- Master's Projects

**Physical Description:** 3 boxes

---

Asano, Koji : "People in a Protected Area Evaluating the Socioeconomic Characteristics and Resource Extraction of Fishing Villages on Lake Malawi National Park, Malawi," 2001 Box 6

---

Asher, Jacob (Jake) Marcus : "The North Carolina Stop Net Fishery: A Case Study of Conflicts Between Fisheries and Bottlenose Dolphins," 2001 Box 6

---

Barnas, Katherine A. : "The Hurricanes of 1999: A Look at the Effects on Fisheries and Fishers in the Neuse River and Pamlico Sound," 2001 Box 6

---

Barnhill, William O. III : "A Look Towards Antillean Manatee Conservation in the 21st Century: Evaluating the Progress of the Caribbean Environment Programme's 1995 Regional Management Plan," 2001 Box 6

---

Bickel, Kathryn A. : "Land Use, Disturbance, and the Spread of Non-Native Plant Species in a Piedmont Forest Ecosystem," 2001 Box 6

---

Blake, Laura J. : "A Hydrologic Error Analysis of the Warne (Watershed Analysis Risk Management Framework) Model for the Linville River, NC," 2001 Box 6

---

Bleckinger, Amy E. : "The Monitoring and Management of the Endangered Plant, *Sidalcea Oregana* Var. *Calva* (Wenatchee Mountains Checker Mallow)," 2001 Box 6

---

---

Bodwell, Jason Michael : "Effective Marketing Strategies for Certified Forest Products," 2001	Box 6
Byers, David J. : "Reproductive Behavior and Habitat Regime of the Blue Crab, Callinectes Sapidus: Policy Implications for North Carolina's Most Valuable Fishery," 2001	Box 6
Byron, Lee Hayes : "Public/Private Partnerships in Land Conservation: A Case Study and Comparative Analysis of Local Land Conservation Programs in Florida," 2001	Box 6
Felipe Carazo : "Andringitra National Park (Madagascar): Analysis and Recommendations for an Ecotourism Strategy," 2001	Box 6
Chang, Roger K. : "Stochastic Model to Relate Sediment Transport Characteristics of Hydrological Benchmark Network Sites to Land Characteristics," 2001	Box 6
Cho, Iihwan : "Spatial and Temporal Patterns of Minke Whale ( <i>Balaenoptera acutorostrata</i> ) Distributions off the East Coast of Korea," 2001	Box 6
Cooper, Peter W. : "Helicobacter sp. in Beaufort Area Waters," 2001	Box 6
Corridore, Angela : "Evaluating the Socioeconomic Impacts of Temporary Shellfishing Closures, " 2001	Box 6
Dennison, Rebecca K. : "Environmental Benefits of Pay-As-You-Drive Auto Insurance: Driving Behavior Changes Resulting from an Innovative Billing Method, " 2001	Box 6
Dermer, Phyllis : "Making it Work: Enforcement Issues in Marine Protected Areas," 2001	Box 6
Didier, Joseph (Jay) D. : "Market Development Potential for Certified Forest Products," 2001	Box 6
Dobrzynski, Tanya J. and Elizabeth E. Nicholson : "An Evaluation of the Short-	

---

Term Social and Economic Impacts of Marine Reserves on User Groups in Key West," 2001	Box 6
Etnoyer, Peter J. : "Marine Protected Area Siting for Coral Reefs in a Large Marine," 2001	Box 6
Fitzsimmons, Sara Fern : "An Assessment of a Program for the Breeding of a Blight-resistant American Chestnut ( <i>castanea dentata</i> )," 2001	Box 6
Franks, Rachael J. : "Analysis of Harbor Porpoise ( <i>Phocoena phocoena</i> ) Strandings in North Carolina (1977 - 2000)," 2001	Box 6
Gatewood, M. Melissa : "Stakeholder Priorities for Conservation on South Carolina's North Coast," 2001	Box 6
Haunreiter, Erik S. : "Herbivory and Patterns of Tree Recruitment on Land-bridge Islands in Lago Guri, Venezuela," 2001	Box 6
Herzer, Paul : "Design of a Wastewater Treatment Facility for a Brewery Expansion on the Outer Banks of North Carolina," 2001	Box 6
Hessling, Michael E. : "Turf Landscapes Versus Xeriscapes: Analysis of Residential Landscapes in the Las Vegas Valley, Nevada," 2001	Box 6
Hill, Jason : "A Comparative Analysis of Probabilistic Data and Non-Random Water Quality Data in the Savannah River Basin," 2001	Box 6
Huggler, Matthew C. : "An Analysis of External Threats to the National Marine Sanctuary System, " 2001	Box 6
Humphries, W. Richard : "Timber Harvest Scheduling: A Practical Comparison of IRR and NPV, " 2001	Box 6
Hutson, Andrew M. : "ISO 14001 and the American Automobile Industry in Mexico," 2001	Box 7

Job, Scott C. : "River Basin-Scale Characterization of Riparian Forest Buffers with GIS, " 2001	Box 7
Johnson, Holly S. : "Conservation Restrictions on Cape Cod: Improving their Utilization as a Method to Conserve Land," 2001	Box 7
Johnson, Jeremiah O. : "Determination of Ground Water Vulnerability of Karst Terrane within Augusta County, Virginia Using a Gis-Based Drastic Model," 2001	Box 7
Kafalenos, Robert S. : "Relicensing Nuclear Power Plants Implications for Nuclear Wastes and Carbon Dioxide Emissions," 2001	Box 7
Karas, Cassie : "Case Study: Motivating Decision Criteria to Implement a Paper Recycling Program within a Facility," 2001	Box 7
Kochi, Ikuho : "A Meta Analysis of the Value of a Statistical Life for Environmental Policy Analysis," 2001	Box 7
Kohler, Keisha W. : "Effects of In Situ Oxidation with Potassium Permanganate on Subsurface Microbial Activity," 2001	Box 7
Koska, Andrea C. : "Aquadale, NC: A Community Suffering From the Effects of Hazardous Waste?, " 2001	Box 7
Kunz, July : "The Remediation of Hunters Point Annex Superfund Site San Francisco, California," 2001	Box 7
Kwon, Ho-young : "An Environmental Impact Assessment Saemangeum Tidal Flats Development Project in South Korea: A Reanalysis," 2001	Box 7
Lafrenz, Ryan R. : "Approaches to Maintaining and Abandoning Forest Roads in the Northwest Region of the United States," 2001	Box 7

Lin, Jeff : "A Comparison of HGM Variables and Wetland Decomposition Rates in the Nanticoke River Watershed," 2001	Box 7
Lindow, Emily R. : "The Use of Purchase of Development Rights for Coastal Open Space Protection: A Case Study on Edisto Island, South Carolina," 2001	Box 7
Maruyama, Aimee Lunde : "Brownfield Redevelopment in Ohio: An Analysis of the Voluntary Action Program," 2001	Box 7
Medori, Amanda : "A Model for Assessing Watershed Integrity and Conservation Value to Supplement a Wildlands Network Design for the Chesapeake Bay Basin, " 2001	Box 7
Mizutani, Yukiko : "Function and Effectiveness of the Extractive Reserve Model in the Brazilian Amazon: Can it be a Solution for Sustainable Development?" 2001	Box 19
Morgan, Leigh E. : "Patterns of Damage Caused by Feral Swine ( <i>Sus scrofa</i> ) in the Big Thicket National Preserve," 2001	Box 7
Muller, Lori Beth : "Industrial Used Oil Management: A Case Study International Paper Bucksport, Maine Mill," 2001	Box 7
Nash, Harriet L. : "The Impact of Ray Feeding on Spatial Ecology of Intertidal Sand Flats, " 2001	Box 7
Norwood, Carla M. : "Changes in Land Use and Water Quality in the Yadkin River Basin, 1951 - 2000, " 2001	Box 7
Nygaard, Anna C. : "Woody-Plant Diversity within Forests of the Southeastern United States," 2001	Box 7
O'Connell, Jeffery Scott : "Integration of Design for the Environment (DfE) Programs in the Electronics Industry," 2001	Box 7

---

O'Connor, Timothy Joseph : "Analysis of Fine Particulate Matter Enhancement at a North Carolina swine Lagoon," 2001	Box 7
Ogata, Hiroki : "Exposure Assessments for Contaminated Soil Dust in Japan," 2001	Box 7
Orphanides, Christopher : "Development of an Estuarine Biotic Integrity Index (EBI) Based on Fish Communities in Narragansett Bay: Implications for Fish Habitat, Management, and Ecosystem Health," 2001	Box 7
Ozarski, Jill N. : "Land Trusts & Public Capacity-Building Grants: A Statistical Model of Local Land Trust Effectiveness," 2001	Box 7
Park, Daniel S. : "Beach Nourishment in Southern California: A Case Study of the San Diego Regional Beach Sand Project," 2001	Box 7
Park, Haewon : "The Biogeochemical Cycling of Boron," 2001	Box 7
Paukovits, Jason M. : "Smart Growth Planning in Eastern Massachusetts," 2001	Box 7
Peet, Katherine : "Environmental Impacts on the Hatching Success of Loggerhead Sea Turtle ( <i>Caretta caretta</i> ) Nests on Keewaydin Island, Florida," 2001	Box 7
Peterson, Heather A. : "Whale Behavioral Responses and Human Perceptions: An Assessment of Humpback Whales ( <i>Megaptera novaeangliae</i> ) and Vessel Activity Near Juneau, Alaska," 2001	Box 7
Philipp, Matthew : "Little and Shark Harbors Conservation and Land Use Plan," 2001	Box 7
Ramach, Sean : "A 3D Spatial Ecology Study of Blue Crabs, <i>Callinectes sapidus</i> , in a High Salinity Embayment," 2001	Box 7

---

Rape, Lindsay R. : "Southeast Florida Sea Turtle Conservation: A Draft Plan for Developed Nesting Beaches," 2001	Box 7
Rogers, Donna P. : "Developing an Environmental Education Resource: The Video "Understanding Air Toxics", " 2001	Box 7
Shawl, Amber : "Closing the Cycle: Captive Breeding for the Gastropod Strombus," 2001	Box 8
Shumate, Christina : "Riparian Corridor Conservation Plan for Contentnea Creek, North Carolina, " 2001	Box 8
Shwom, Rachael L. : "Communicating Scientific Uncertainty: A Case Study of Climate Change Scientists' Testimonies Before Congress," 2001	Box 8
Smith, James D. : "Characterization of the Superoxide Dismutase Expression in Two Populations of Fundulus heteroclitus," 2001	Box 8
Smith, Nathan : "Ranking Subbasins of the B. Everett Jordan Lake Watershet for Sediment Erosion Potential," 2001	Box 8
Staten, Shane C. : "Seed Bank Study for Enhancement of the Williamson River Delta Preserve Wetland Restoration Project Near Klamath Falls, Oregon," 2001	Box 8
Stephens, Katherine M. : "A Landscape Analysis of the Effectiveness of Agricultural Best Management Practices on a Coastal North Carolina Estuary," 2001	Box 8
Suwa, Makoto : "Reconstruction of the Late Holocene Palcoenvironment around Laguna Umayo, Peru Using Chemical and Isotopic Analyses of a Lake Sediment Core," 2001	Box 8
Tang, Yu-Ting : "Toxicity Identification and Evaluation of the Elizabeth River, VA, " 2001	Box 8

---

Taylor, John A. : "The Westhampton Dunes Lawsuit: A Case Study of Human Induced Coastal Erosion, " 2001	Box 8
Timyan, Joel C. : "Status and Conservation of Attalea Crassispatha (Mart.) Burret, A Rare and Endemic Palm of Haiti," 2001	Box 8
Tomasi, Peter A. : "Unraveling the Daubert Puzzle: Causation in Environmental Toxic Tort Litigation, " 2001	Box 8
Torres, Leigh G. : "Improving Management of Overlapping Bottlenose Dolphin Ecotypes through Spatial Analysis and Genetics," 2001	Box 8
Treutelaar, Jennifer : "Business Plan for Lassen Volcanic National Park," 2001	Box 8
Turley, Evie : "The Effects of Wetland Restoration on Water Quality: A Baseline Assessment of Water Quality Indices in Sandy Creek Durham, North Carolina," 2001	Box 8
Vallianos, Kostoula : "The Palmetto Peartree Preserve Land Use Plan: Using GIS to Optimize for Multiple and Conflicting Objectives," 2001	Box 8
Van Exem, Oliver L. : "Chemometric Exploration of Pesticide Retention in Two NC Piedmont Soils," 2001	Box 8
Vignola, Mark J. : "Green Fluorescent Protein: When Science Meets Business (Fluorescence of the Temperate Facultatively Symbiotic Coral <i>Oculina arbuscula</i> Suggests the Presence of Green Fluorescent Proteins), " 2001	Box 8
Vuturo, Christopher M. : "Application of National Water Quality Database and GIS to Risk Assessment: Organic Carbons and Metals," 2001	Box 8
Waeckerlin, Eric : "Using Conservation Leases to Protect Wyoming Ranchland," 2001	Box 8

Wang, Ting-Jieh : "Responsibilities of a Newly Industrialized Country: A Case Study of Taiwan's Reactions Toward International Environmental Accords, " 2001	Box 8
Webb, Laura : "A New Frontier for Environmental Education: The Development and Evaluation of an Air Quality Curriculum for Churches," 2001	Box 8
Wilson, Joanna D. : "Assessing Environmental Stewardship at Duke University," 2001	Box 8
Wong, Carissa M. : "Species Regeneration Response to Clearing Size: A Swietenia Macrophylla King Harvested Forest in Northern Belize," 2001	Box 8
Yoda, Emi : "Measuring the Economic Benefits of Coral Reefs to Small-Scale Fishers: A Case Study in North Sulawesi, Indonesia," 2001	Box 8
Zurawski, Carol A. : "Decision Analysis: A Feasible Tool for Improving Species Management Decisions?, " 2001	Box 8

[Return to Table of Contents](#)

## **2002 -- Master's Projects**

**Physical Description:** 4 boxes

Atachley, Jennifer C. : "Comprehensive Assessment of Manatee ( <i>Trichechus manatus latirostris</i> ) Non-Wintering Habitat in Northwest Florida," 2002	Box 8
Auer, Donald Patrick : "A Species Habitat Model for the Cerulean Warbler in Western North Carolina for Use in the Important Bird Area Program," 2002	Box 8
Batch, Lawrence F. : "Quantification of Damage to Virus DNA from Ultraviolet (UV) Exposure, " 2002	Box 8

---

Bhalla, Abhas : "Socially Responsible Investing and Corporate Social Responsibility A Case Study - The Energy Big Five," 2002	Box 8
Bird, Christina : "South Carolina Oyster Restoration and Enhancement (SCORE) Community-Based Program: A Manual for Volunteers and Volunteer Coordinators," 2002	Box 8
Block, Jennifer : "Two Paradigms of EPR in the Carpet Industry/A Comparison of Take-Back and Recycling Initiatives in the United States and Europe, " 2002	Box 8
Bodien, Scott Michael : "A Case Study Examining the Landscape Management System with Duke Forest Permanent Sample Plot Data," 2002	Box 8
Brandt, Sara : "The Effect of Increased Atmospheric CO2 Concentrations on Forest Canopy Interception and Throughfall Chemistry," 2002	Box 8
Canny, David S. : "Ecological Connectivity: The Case for Reserve Networks in Marine Environments," 2002	Box 8
Castellan, Allison : "Developing a NPDES Phase II Storm Water Model Permit for Coastal North Carolina Communities," 2002	Box 8
Chambers, Noelle : "Site Conservation Planning in The Cedars, Virginia: Optimizing Multiple Conservation Goals in the Aquatic, Terrestrial, and Subterranean Systems," 2002	Box 9
Cheruvettolil, Kochukoshy : "Online Environmental Activism (Methodological Analysis of the Roadless Areas Campaign)," 2002	Box 9
Childs, Tara : "A Prioritization for Preservation of Millponds in Eastern North Carolina, " 2002	Box 9
Chow, Jeffery : "Sustainable Mahogany Management: Regeneration within	

---

Anthropogenic Canopy Gaps in the Subtropical Moist Forests of Belize," 2002	Box 9
Cluse, Wendy Margaret : "Boat Activity and Sea Turtle Mortality: Exploring the Severity of the Problem in North Carolina Waters," 2002	Box 9
Darling, Susan : "The Effect of Secondary Treatment on Water Quality In Boston Harbor, " 2002	Box 9
Dietzel, Charles : "A Spatial Model of Land Use/ Land Cover Change: Rockbridge County (VA), " 2002	Box 9
Dixon, Sarah : "Analysis of Landuse Change in the Trent River Watershed - A Focus on the Rise of Hog Farming," 2002	Box 9
Escobar, Alejandro : "Cost and Loadings Models for Propose Effluent Guidelines to the Aquaculture Industry: Flow Through Systems," 2002	Box 9
Fahey, Colleen : "Testing a Short-Cut for Managing Species with Minimal Demographic Data, " 2002	Box 9
Fisher, Heather L. : "A Benefit-Cost Analysis of Natural Drainage for Residential Developments: A Case Study of Lenoir County, NC," 2002	Box 9
Foster, Ellery : "Greening the Christian Church: An Institutional Analysis," 2002	Box 9
Frangione, Christopher S. : "Power Generator Asset Development Strategies: Emissions Regulations and the Variable Cost of Power," 2002	Box 9
Fujinuma, Miwa : "Investigation of Financial Loss in the Shrimp Industry in the Philippines, " 2002	Box 9
Galik, Christopher S. : "The Role of Cites Appendix III in Monitoring the Trade of Brazilian Bigleaf Mahogany," 2002	Box 9

Gannon, Sarah E. : "The Status of the Central American Squirrel Monkey ( <i>Saimiri oerstedii citrinellus</i> ) in Costa Rica," 2002	Box 9
Gardner, Autumn Daune : "A Survey of Perspectives Regarding Personal Watercraft Use on Lake Marion in South Carolina," 2002	Box 9
Gehman, Seth D. : "Whitetail Deer Browse on Loblolly Pine Seedlings in the Duke Forest: Options for Management," 2002	Box 9
Gindre, Sarah : "Assessing the Application of Integrated Coastal Management Principles: A Case Study of Spain," 2002	Box 9
Hagedorn, Sarah C. : "Depredation by Bottlenose Dolphins on Gill Nets in Dare County, North Carolina," 2002	Box 9
Hanily, George : "Residual Effects of Arsenic Based Agrochemicals on a South Carolina Piedmont Soil," 2002	Box 9
Harkless, Kelly : "Evaluation of Ballast Water Resolution and Accuracy of Ballast Water Reporting in Washington State Waters," 2002	Box 9
Harper, Craig W. : "Southwestern Connections: Using Graph Theory to Assess Landscape Connectivity for Mountain Lions and Mexican Spotted Owls, " 2002	Box 9
Harris, Adrienne L. : "Addressing Global Scale Environmental Issues: Developing an International Convention for the Control of Ballast Water," 2002	Box 9
Himes, Amber Hintz : "Small-Scale Sicilian Artisanal Fisheries: Opinions of Artisanal Fishers and Socio-Cultural Effects of Marine Protected Areas," 2002	Box 9
Hooker, Brian R. : "Community-Integrated GIS in the Bay of Fundy Groundfishery," 2002	Box 9

---

Horner, Amy L. : "Environmental Justice in Local Land Use Planning: Durham City/County: A Case Study" , 2002	Box 9
Hoshino, Eriko : "Marine Turtle Ecology in Relation to Pelagic Longline Bycatch and Squid Distribution," 2002	Box 9
Hulme, John R. : "EPA's Strategic Regulation of Western Coalbed Natural Gas Development, " 2002	Box 9
Huang Fu, Wei-Chun : "Chlorpyrifos (CPF) Activated Gene Transcription by Oxidative Stress," 2002	Box 9
Hummel, Jason A. : "Market Development for Hybrid Automobiles in the United States," 2002	Box 9
Humphrey, Genesis M. : "Identifying the Barriers to Forest Recovery in an Abandoned Pasture in Costa Rica," 2002	Box 9
Hwang, Wendy W. : "Sorption of Rhodamine WT (RWT) Isomers in Southeastern Ultisols: Implications for Tracing 2, 4-dichlorophenoxyacetic acid (2, 4-D)," 2002	Box 9
Jung, Goosun : "Germany's Environmental Standards and Requirements for Textile Sector and Their Positive Impacts On China," 2002	Box 9
Kern, Stephanie L. : "The Application of Water Purification Techniques to Lake Norman Water as a Substitute for Ceriodaphnia dubia Culture Media," 2002	Box 9
Kurz, Whitney : "The Impact of Biomedical Bleeding on Horseshoe Crab, Limulus polyphemus, Movement Patterns on Cape Cod, Massachusetts," 2002	Box 9
Latusek, Jennifer N. : "Impact of Boat Traffic on Bottlenose Dolphins, Tursiops truncatus, in Core Creek, NC, with a Case Study of Dolphin-Watch Activities and Consumer Perspectives," 2002	Box 9

---

Lee, Yung-Shan : "Retention of Fertilizer Nitrogen by a Pine Forest Ecosystem Supported by a Sandy, Leachable Soil," 2002	Box 9
Lin, Shu-yi : "Use of GIS Mapping to Present Monitoring Data from 11 Urban Air Toxics in California and to Develop Visualization of RIOPA Data, " 2002	Box 9
Lin, Ya-Jung : "Whale Watching Industry in Taiwan: A Preliminary Evaluation of Its Impacts on Local Communities," 2002	Box 9
Long, Kristen J. : "Characterizing the Global Pelegic Longline Fishery: A First Step in Managing Marine Turtle Bycatch," 2002	Box 9
LoSchiavo, Andrew J. : "Rockweed: Marine Resource Management Under Scientific Uncertainty," 2002	Box 10
Lyons, Daniel : "Open Space Acquisition -- Feasibility Study For A State Program In North Carolina, " 2002	Box 10
Macal, Jennifer M. : "Potential Effects of Hypoxia on Shrimpers & Implications for Red Snapper Bycatch in the Northwestern Gulf of Mexico," 2002	Box 10
Marsh, Jesse C. : "Reducing Sea Turtle Damage to Crab Pots Using a Low-Profile Pot Design in Core Sound, North Carolina," 2002	Box 10
McConaghy, Christine M. : "Do Keystone Species Deserve Special Protection? Towards a More Ecosystem-Based Approach to Fisheries Management," 2002	Box 10
Metcalf, Matthew : "Environmental Management at Academic Institutions: Benchmarking the Duke University Environmental Audit against Systems in the Public, Private, and Academic Sector," 2002	Box 10

Mian, Osman K. : "An Economic and Environmental Evaluation of Precision Farming," 2002	Box 10
Moretti, Gregory Scott : "Identifying and Understanding Resource Users of Panama's Coiba National Park," 2002	Box 10
Morvilius, Megan : "Relationship Between Land Use Patterns and Stream Flow Characteristics in the Neuse River Basin, North Carolina," 2002	Box 10
Newhall, Rebecca : "Preservation of Biodiversity in the Little Tennessee River.," 2002	Box 10
Nojek, Larissa : "Use of Remote Sensing on the Pamlico Sound with Implications for North Carolina Water Quality Management," 2002	Box 10
Ogren, Shannon : "Fish Stocking and Biodiversity Conservation: A Resource Guide for the Great Lakes Program," 2002	Box 10
Oliver, Ashley : "Feeding Preferences of the Red Howler Monkey, Alouatta Seniculus, on Two Islands in Lago Guri, Venezuela," 2002	Box 10
Olstein, Daniel H. : "An Assessment of Environmental Impacts of Population Growth in the Research Triangle Region of North Carolina," 2002	Box 10
O'Malley, Kelly Leah : "The Benefit of Active Forest Management for Private Landowners in the Little Tennessee River Basin, North Carolina.," 2002	Box 10
Patel, Bindi : "International Multilateral Development Banks: An Analysis of the Environmental Guidelines Used for Project Review & Approval.," 2002	Box 10
Phillips, Erika Green : "Ecoregional Conservation Planning: Incorporating Ecological into the Reserve Selection Process for the Southern Blue Ridge, " 2002	Box 10

Pollack, Jeffrey A. : "The Potential Adaptive Significance of Hemoglobina Polymorphism in Atlantic Croaker, <i>Micropogonias undulatus</i> ," 2002	Box 10
Pugliese, Michelle : "Colorado Ranching Management Agreement: A Proposal to Promote Biodiversity on Private Land," 2002	Box 10
Rogers, Gwynne : "Revealing, Managing, and Reducing Corporate Environmental Costs," 2002	Box 10
Sanders, Richard : "Regeneration of Trees in Spruce-Fir Ecosystems after Balsam Woolly Adelgid ( <i>Adelges piceae</i> ) Depredations at Mt. Mitchell, North Carolina," 2002	Box 10
Schultz, William Preston : "Supply Chain Environmental Management: Evaluating Current Practices and Determining Drivers in the Electronics Industry," 2002	Box 10
Severin, Melanie L. : "Cost-Sharing as a Policy Tool for Conservation of Estuarine Shorelines, " 2002	Box 10
Shemer, Yechiel (Helik) : "Adoption of Green Practices: Theory Versus Practice in Research Triangle Park, North Carolina," 2002	Box 10
Shutko, Heather M. : "Land Use and Water Quality of the Little Miami River Watershed," 2002	Box 10
Shweky, Jennifer : "Evaluating Pesticide Surveillance Regulations in California and Florida, " 2002	Box 10
Smith, Brittany N. : "The Effect of Linear Wildlife Openings on Macroinvertebrates in Pisgah National Forest," 2002	Box 10
Sugie, Ayumi : "PFOS - Its Risk and Regulation," 2002	Box 10

Tachihara, Kazunari : "Energy Service Companies and Energy Efficiency Opportunities in Developing Countries," 2002	Box 10
Terborgh, John Eliot : "The Brazil Nut Project of Conservation International in Peru: Designed for Failure?" 2002	Box 10
Toledo-Sotillo, Marcia : "Swietenia Macrophylla King: Analysis of Seed Rain and Silvicultural Treatment on Mahogany Establishment," 2002	Box 10
Treece, Andrea Arnold : "A Proposed Approach to Reducing Longline Bycatch on the High Seas: Balancing Unilateral Trade Leverage with Multilateral Cooperation, " 2002	Box 10
Tsurumi, Naomi : "A Model to Prioritize Land for Water Quality Protection in the Little River Watershed, Durham, NC," 2002	Box 10
Vernon, Melissa M. : "Impervious Surface and Water Quality in a Small, Urban Stream: Ellerbe Creek, Durham, North Carolina" , 2002	Box 10
Wait, Micah Mendoza : "Underwater Videography as a Tool for Enumerating Salmonid Populations," 2002	Box 10
Watts, Susan C. : "A Market Analysis and Management Alternatives for the Biological Station at Volcano Mombacho Natural Reserve, Nicaragua," 2002	Box 10
Welch, Michael P. : "Applying Modern Organizational Theory to the World Trade to Improve Environmental Performance Organization," 2002	Box 10
Whitney, Gamaliel : "Volumetric Growth and Site Index Model Development for Pinus taeda Management in the Piedmont Region of North Carolina," 2002	Box 10a
Williams, Hilda I. : "Development of an Environmental Management System for a	

Forest Products Company: The International Paper Case Study," 2002	Box 10a
Woodson, Peter : "Business Solutions to Environmental Issues: A Model Solution to Resource Conflicts in the Powersports Industry," 2002	Box 10a
Wu, Shih-Chun : "A Predictive Modeling Approach to Assessing the Groundwater Vulnerability of Catskill/Delaware and Croton Watershed Using Geographic Information System," 2002	Box 10a
Wusinich, Dana C : "Stakeholder Perspectives: A Tool for Cooperative Coastal Resource Management in Xcalak, Mexico," 2002	Box 10a
Zhang, Shufang : "Emission Analysis of Motorcycles in Bangkok," 2002	Box 10a

[Return to Table of Contents](#)

## **2003 -- Master's Projects**

**Physical Description:** 2 boxes

Bacanskas, Lisa : "Biochemical Indicators of Antioxidant Defenses in Wildcaught Killfish (Fundulus Heteroclitus) From Polluted and Pristine Sites ," 2003	Box 11
Barrows, Robin Randall : "The Effects of Methylmercury on Piscivorous Fauna: An Ecological Risk Assessment," 2003	Box 11
Bogavelli, Vaishali : "Lower Rogue River Sand Bar Erosion Study," 2003	Box 11
Boyd, Lynne : "A Method to Predict the Timing of American Chestnut (Casanea dentata) Bloom in the Southeast," 2003	Box 11
Craven, Thomas : " The Reproductive Habits of Chinese Privet (Ligustrum sinense) in a Southeastern Bottomland Forest: Implications for Management," 2003	Box 11

Davis, Jason : "The Response of Plethodontid Salamanders to Different Forest Disturbance Histories in the Southern Appalachians," 2003	Box 11
Day, Andrea L. : "Patterns of Exotic Plant Invasion in Southwestern Montana," 2003	Box 11
Dechter, Michael (Mike) M. : "A New Method for Land Conservation: A Guide to Tax-Exempt Revenue Bond Financing, " 2003	Box 11
Eschen, Meryl Lindsay : "A Market-Based Alternative to Current Policy Under the Endangered Species Act: A No Surprises Insurance Program," 2003	Box 11
Franklin, Julie Edlund : "Controlling Browntail Moth Infestations in Maine: A Risk Analysis," 2003	Box 11
Freeman, Kate : "Distribution of Highly Migratory Marine Mammals and Seabirds in the Eastern North Pacific: Are Existing Marine Protected Areas in the Right Place?," 2003	Box 11
Fullenkamp, Lindsay A. : "Measuring Public Participation in Coastal Zone Management: Policy Options for California and North Carolina," 2003	Box 11
Gaddis, Benjamin Ty : "Reservoir Volume Effects on Water Quality in Two Reservoirs of Durham County, North Carolina," 2003	Box 11
Genismore, Kylie Errin : "Analyzing Beach Water Quality Standards and Practices: Discrepancies between Federal Policy Expectations and Local Standards," 2003	Box 11
Giordano, Christine : "Effects of Landscape Characteristics on Aquatic Macroinvertebrates in New Jersey," 2003	Box 11
Griffin, Elizabeth : "The Cost of US Cetacean Bycatch Reduction Measures as a Reason for Supporting International Action," 2003	Box 11

Hamatani, Makoto : "Financial Analysis of Different Forest Management Approaches Even-aged Management and Uneven-aged Management," 2003	Box 11
Hedrick Trina N. : "Proposal to Introduce Gila Trout ( <i>Oncorhynchus Gilae</i> ) to the West Fork of Oak Creek, Sedona, AZ," 2003	Box 11
Hendrix, Elizabeth : "The Legal Status and Protection of North Carolina's Isolated Wetlands," 2003	Box 11
Hierl, Lauren : "A Multivariate Assessment of Wetland Habitat Conditions in Moosehorn National Wildlife Refuge," 2003	Box 11
Hollinghead, Nicholas : "An Analysis of Landscape Characteristics Associated with Deer-Vehicle Collisions in North Carolina," 2003	Box 11
Hunt, Stephanie L. : "A Case Study of Grassroots Advocacy and the Sociopolitical Process: Authorization of Processor Quota Shares in the Magnuson-Stevens Fisheries Conservation and Management Act, " 2003	Box 11
Iitsuka, Reiko : "Japan's Role to Reduce Illegal Logged Timber: The Current Forest Products Market and Public Awareness of Illegal Logging Issues and Forest Product Certification in Japan," 2003	Box 11
Kaiser, Daniel : "Ranch Conservation in Colorado: Analyzing Net Costs and Benefits of the Donation of Development Rights," 2003	Box 11
Kar, Devyani : "Importance of "Offers to Dedicate" in California's Coastal Access," 2003	Box 11
Kelsey, Julie Bloss : "The Impact of Historic Pesticide Applications on Agricultural Soils," 2003	Box 11
Kozuck, Amanda : "Implications of Historical Changes in Fixed Fishing Gear for Large Whale Entanglements in the Northwest Atlantic," 2003	Box 11

Kushiro, Yuhki : "Comparison of Water Pipe Costs for Different Residential Zoning Districts in Chapel Hill, NC," 2003	Box 11
Lander, Mary Beth : " A Political Analysis of the 2002 Senate Energy Bill: The Alaska Natural Gas Pipeline and its Stakeholders," 2003	Box 11
Lane, Austin : "Obstacles to Implementing Strategic Plans: A Study of Honduran Protected Areas," 2003	Box 11
Lavenburg, Andrew J. : "Evaluating the Effects of Open Space on Housing Values in Durham County, North Carolina," 2003	Box 11
Lawrence, Margaret Goddard Athey : "Integrating the Sandy Creek Restoration Project with Environmental Education, " 2003	Box 11
Lorenzo, Jennifer : "Factors Affecting Plant Diversity at Palmetto Peartree Preserve, North Carolina," 2003	Box 12
Maher, Jessica : "Characterization of Bottlenose Dolphin (Tursiops Truncatus) Use of Restricted Areas in the Pamlico Sound, NC," 2003	Box 12
Mangel, Jeff C. : "Spatial and Temporal Haul Out Patterns of the Hawaiian Monk Seal (Monachus Schauslandi) at Midway Atoll, 1997-2000.," 2003	Box 12
Mayence, C. Ellery : "Assessing the Ecological Fate of Quaking Aspen on the Coconino National Forest of Northern Arizona: An Example of Integrated Ecosystem Management," 2003	Box 12
Meigs-Friend, Gaia: "Manatee Winter Distribution in Kings Bay, Crystal River FL and its Application to the Design of Manatee Speed Zones and Sanctuaries in the Bay" , 2003	Box 12
Metz, Chloe H. : "Prioritizing TRI Facilities Releasing Hazardous Air Pollutants for	

Inspections Using Environmental Justice Indicators, " 2003	Box 12
Millar, Bonnie : "Responses in Loblolly Pine Leaf Area Dynamics and Reproduction to Elevated Carbon Dioxide and Nutrient Levels," 2003	Box 12
Mittelstadt, Jeffrey : "Cost-benefit Analysis of a Possible Water Privatization Project in Nigeria, " 2003	Box 12
Mobius, Mark E. : "The Interaction Effect of Restoring River Flow on The Nature Conservancy's Land Conservation Activity in the Lower Roanoke River Basin, North Carolina," 2003	Box 12
Mooney, Melissa S. : "Entanglement of Humpback Whales in Fishing Gear: Description of Injuries and Entanglement Patterns," 2003	Box 12
Nissenbaum, Jennifer T. : "White Fir Expansion in Sequoia National Park: Implications for Management, " 2003	Box 12
Orozco, Valeria Estrada: "A Grassroots Response to Environmental Inequity: A Case Study of the West End Revitalization Association (WERA), Mebane, North Carolina" 2003	Box 12
Parsons, Tracy Erin : "Volunteerism Within Cook Inlet Keeper's Citizen's Environmental Monitoring Program (CEMP)," 2003	Box 12
Pee, Daphne : "Establishing Deep-Sea Marine Protected Areas: Habitats, Threats, and Protection Considerations," 2003	Box 12
Potter, Jeremy : "Building an Integrated Science Program: NOAA Ocean Exploration Proposal Process, " 2003	Box 12
Rebolledo, Enrique : "The Effectiveness of Information Flow for Environmental Management in Developing Countries: The Case Study for Air Quality Management in Mexico City," 2003	Box 12

---

Reid, Susan L. : "Modeling the Environmental Impact of Recreational Boating," 2003	Box 12
Saito, Moeko : "Sustainable Coffee Initiative (SCI) Business Plan," 2003	Box 12
Samkian, Kenneth : "Recommended Formula for Delineating Shellfish Area Closure Boundaries Surrounding Marinas in North Carolina," 2003	Box 12
Sano, Hirofumi : "Effectiveness of Pre-Trip Customer Education Among Whale Watching Tourists in Monterey Bay, California ," 2003	Box 12
Shively, Eliza Blue : "The Effects of Dredging and Trawling on Continental Shelf Sediment Biogeochemistry," 2003	Box 12
Sindhar, Saudamini : "Soil Recovery in Abandoned, Cultivated Field Sites of Kanha Tiger Reserve, India," 2003	Box 12
Snape, Karen E. : "Recreation Use of the Duke Forest," 2003	Box 12
Thomas, Roxanne: "Willingness to Pay for Access to Recreation Areas: Perspectives Across Socio-economic Groups in Coconino National Forest, AZ" 2003	Box 12
Twigg, Clair Maria : "Drought Preparedness and Response in North Carolina: A Five Site Examination, " 2003	Box 12
Van Orden, James F. : "How Much is Too Much? Information and Market Construction in Contingent Valuation Surveys," 2003	Box 12
Vos, Erin : "Exhibit Design at The Gaskin Museum of Marine Life, New Brunswick , Canada, " 2003	Box 12
Wargo, Megan : "A Policy Analysis of North Carolina's Present Use Tax Program," 2003	Box 12

---

---

Welde, Allison : "Effects of Land-Use History on Herb Diversity in the Little Tennessee River Watershed," 2003	Box 12
Whittington, Marna : "Community Participation in Brownfields Revitalization and Development Case Study: Jacksonville, FL," 2003	Box 12
Woglom, Emily : "The Dynamics of Shoreline Management: An Approach Using Renewable Resource Economics," 2003	Box 12
Young, Suzanne L. : "Procedural Justice and Barriers to Participation in Environmental Decision Making: The Tar-Pamlico Stakeholder Process," 2003	Box 12
Zhou, Zheng : "Institutional and Policy Reforms to Better Manage the Huai River Basin and Improve Its Water Quality," 2003	Box 12
Zidek-Vanega, Amanda : "Curbing the Spread of Invasive Plant Species: An Evaluation of the Horticultural Industry's Voluntary Codes of Conduct," 2003	Box 12

---

[Return to Table of Contents](#)

## **2004 -- Master's Projects**

**Physical Description:** 3 boxes

---

Abbott, Kelsey : "The Decline of the Southern Resident Population of Killer Whales: A Two-Part Analysis," 2004	Box 12
Asam, Susan Brown : "Adaptation to Climate Change in Small Island Environments: Evidence from a Hurricane in Hawaii," 2004	Box 12
Boucher, Marie N. : "Environmental Communications: Writing for Specific Goals and Broad Audiences," 2004	Box 12
Burke, Amy L. : "Aquatic Risk Assessment of Three Pyrethroid Pesticides Commonly Used in North Carolina," 2004	Box 12

---

Burke, Erin K. : "The Effect of Acoustic Deterrent Devices on Bottlenose Dolphin Depredation in the Spanish Mackerel Gillnet Fishery," 2004	Box 12
Calvi, Maria Snowblanket : "A Framework for Conservation and Restoration Management of Nearshore Ecosystems in Puget Sound," 2004	Box 12
Cappel, Kirsten Michelle : "The Influence of Net Benefits vs. Special Interests in Country Ratification of the Kyoto Protocol," 2004	Box 12
Chamberlin, Sarah : "Evaluation of the Fragmentation Effects of Pine Conversion on the Deciduous Forest Habitat of the Cumberland Plateau," 2004	Box 12
Chan, Valerie Ann : "Spatial and Temporal Trends in Sea Turtle Strandings in North Carolina, 1980 - 2003," 2004	Box 12
d'Hemecourt, Michele : "The Impact on the Avian Community of Managing for the Red-cockaded Woodpecker: The Palmetto-Peartree Preserve, Tyrrell County, North Carolina," 2004	Box 13
Duehl, Adrian : "Ice Storm Damage Patterns: Management Implications of Ice Damage in the Duke Forest," 2004	Box 13
Dunn, Joel E. : "Linking Regional Conservation Planning to Local Implementation," 2004	Box 13
Dyson, Jessica : "Modeling Jaguar Habitat in Southeastern Yucatan," 2004	Box 13
Elcock, Karen J. : "A Statistical Modeling Assessment of the National Nutrient Criteria: Lake Mendota, " 2004	Box 13
Espinoza, Sara B. : "Protein for Central Africa: Evaluating Alternatives to Bushmeat," 2004	Box 13
Forster, Cara Sorelle : "Finca Esperanza Verde: Ecotourism as Sustainable Development in San Ramon, Nicaragua," 2004	Box 13

Frano, Stephen John : "Evaluation of Management Alternatives for Mecox Bay and Inlet, Southampton, NY," 2004	Box 13
Funatomi, Takaharu : "Time Series Data Analysis of the Impact of Climate Change on the U.S. Energy Demand," 2004	Box 13
Ginwalla, Zenobia F. : "Forest Cover and Malaria on Siberut Island, Indonesia," 2004	Box 13
Gluch, Nora : "United States Small Cetacean Rehabilitation Policy: Driving Forces Behind a Socially Motivated Policy," 2004	Box 13
Grenfell, Kristin : "The Solar Connection: Distributed Solar DC Systems Powering Computing Loads in Grid-Connected Buildings in California," 2004	Box 13
Gullo, Krista : "Bounding the Peace Parks of Southern Africa," 2004	Box 13
Gust, John B. : "'A Community Within a Forest:' Forested Area Prioritization at Duke University," 2004	Box 13
Haines, Andrew C. : "Oyster Restoration and Management in Coastal North Carolina," 2004	Box 13
Harold, Sera : "Endangered Caribbean Sea Turtles: An Educator's Handbook," 2004	Box 13
Harrover, Caroline M. : "What Affects Environmental Behavior Change? A Comparison of Two US EPA Strategies to Improve Compliance Behavior," 2004	Box 13
Hauser, Lauren : "Water Quality Indicators: Nutrient Impacts on Designated Use Attainment in Lake Washington," 2004	Box 13
Hecht, Andrew : "Obstacles to the Devolution of Environmental Protection: States' Self-Imposed Limitations on Rulemaking," 2004	Box 13

Hoover Alvarado, Katherine : "Employment Trends in North Carolina's Recycling Industry," 2004	Box 13
Hodge, Christina E. : "Mark-Recapture Estimation of the Leatherback Sea Turtle ( <i>Dermochelys coriacea</i> ) Nesting Population at Matura Beach, Trinidad, " 2004	Box 13
Hunter, Wendy : "Riparian Corridor Conservation Plan for Brice's Creek in Craven County, North Carolina," 2004	Box 13
Hutchins, Aaron : "An Implementation Plan for Bio-Indicator Monitoring in Support of Integrated Coastal Management in the U.S. Virgin Islands," 2004	Box 13
Jenkins, Cherie L. : "A Procedural Review of the Mass Pilot Whale Stranding in the Florida Keys, 2003, " 2004	Box 13
Kaplan, David S. : "Drinking Watersheds in North Carolina: A GIS-Based Assessment of Land Cover Factors Contributing to Nonpoint Sources of Surface Water Turbidity," 2004	Box 13
Kelly, Leah F. : "Evaluation of Public Participation and Outreach Methods for the North Carolina Coastal Habitat Protection Plan," 2004	Box 13
Kerkering, Heather A. : "A Case Study: The Impact of an Educational Ecotourism Experience on the Environmental Knowledge, Awareness, Behavior, and Attitudes of Participants," 2004	Box 13
Kimura, Chikashi : "Application and Evaluation of 3PG Model for Carbon Assimilation and Allocation Under the Increased Atmospheric CO2 Condition, " 2004	Box 13
King, Susannah : "Application of the New England SPARROW Model to the Connecticut River Nitrogen Loading Assessment," 2004	Box 13

Kojima, Asako : "An Analysis of Extended Producer Responsibility Policy for the U.S., " 2004	Box 13
Kopitov, Anna M. : "Comparative Ecological Value of Coastal Live Oak and Australian Blue Gum Woodlands in Elkhorn Slough Watershed, California," 2004	Box 13
Lai, Elaine Lareina : "Deforestation in the Southern Yucatan Region, Mexico (1978-2000), Changes and Implications," 2004	Box 13
Liu, Po-Hon : "Habitat Loss for Fossa in Ankarafantsika National Park, Madagascar," 2004	Box 13
Lyons, Shannon B. : "The Social Structure and Behavior of Adult Male Bottlenose Dolphins (Tursiops sp.)," 2004	Box 13
Martens, Oleg P. : "Magnuson and the U.S. Caribbean: A Fishy Situation," 2004	Box 13
Mitchell, Stephen R. : "Herbaceous Biodiversity in Managed Forests of the Southern Appalachians," 2004	Box 13
Mooney, Dana : "Managing Hazardous Waste in Academia: The Green Chemistry Approach," 2004	Box 13
Morel, Vanessa C. : "Alternative Transportation in Cades Cove: Preserving the Past by Planning for the Future," 2004	Box 13
Ogaswara, Masamichi : "A Comparison of Spatial Variability Associated With Ephemeral Wetlands in The Duke Forest," 2004	Box 13
Ossi, Damien Paul : "Habitat Selection and Productivity of Breeding Piping Plovers Charadrius Melodus on Nourished and Natural Beaches on Cape Cod, Massachusetts," 2004	Box 13

---

Powell, Lisa Marie : "Implementing Bacterial Source Tracking Technology in Coastal Water Quality Management," 2004	Box 13
Prater, Benjamin Guy : "Tool-Based Approach for Monitoring Natural Resource Management on National Forests of North Carolina," 2004	Box 14
Prosser, Chris : "A Preliminary Delineation of Shark Nursery Grounds in Two South Carolina Estuaries," 2004	Box 14
Quagliata, Antoinette : "Impacts of Watershed Land Use on Cost to Water Suppliers Through Drinking Water Quality Impairment," 2004	Box 14
Remington, Nicole : "Structural and Functional Properties of Bottlenose Dolphin ( <i>Tursiops truncatus</i> ) Hemoglobin," 2004	Box 14
Remucal, Jonathan M. : "Effects of Forest Management on Carbon Stores in a Northern California Mixed Conifer Forest," 2004	Box 14
Rosenwaks, Gaelin : "Oceanographic Implications for the Management of Atlantic Bluefin Tuna, <i>Thunnus thynnus</i> ," 2004	Box 14
Sanderson, Melissa A. : "Characterization of Scale in Commercial Fisheries Data," 2004	Box 14
Sato, Keiko : "Gene Expression Profile of Metal Toxicity and Its Application to Environmental Risk Assessment," 2004	Box 14
Shifflett, Scott : "Analysis of the Department of Defense's Policies Toward Protected Species, " 2004	Box 14
Shoemaker, Mandy: "Estimating the Lower Temperature Limit of Bottlenose Dolphins Along the North Carolina Coast" ,2004	Box 14
Simonetti, Jill : "Establishing Successful Community-Based Ecotourism Enterprises: Comparative Case Studies in Belize," 2004	Box 14

---

Snyder, Cailin : "The Impact of the European Green Crab ( <i>Carcinus Maenas</i> ) on the Restoration of the Olympia Oyster ( <i>Ostrea Lurida</i> ) in Tomales Bay, California," 2004	Box 14
Strader, Rachel : "A Comparison of Groundfish Management on the East and West Coasts of the US," 2004	Box 14
Supples, Christina Marie : "A Paradigm Shift: Rethinking Forest Fire Management in the Intermountain West," 2004	Box 14
Swanson, Jennifer : "Carbon Cycling in the Calhoun Experimental Forest, South Carolina, USA," 2004	Box 14
Tomioka, Miki : "Analysis and Recommendations for Management of Chronic Violators in North Carolina," 2004	Box 14
Trappe, Carleigh : "Marine Protected Areas in North Carolina," 2004	Box 14
Tribo, Jennifer : "A Statistical Modeling Assessment of the National Nutrient Criteria in South San Francisco Bay," 2004	Box 14
Uppgren, Amy : "The Development of an Integrated Ecological Assessment of the Headwaters of the Araguaia River, Gois, Brazil," 2004	Box 14
Urlaub, Ivan K. : "Health Risks of and Policy Analysis for Reducing Residential Wood Smoke Emissions," 2004	Box 14
Weiss, Jessica : "Foraging Ecology and Maternal Transmission of Foraging Specializations of Bottlenose Dolphins ( <i>Tursiops truncatus</i> )," 2004	Box 14
Whitt, Amy D. : "Striving Towards Responsible Viewing: An Evaluation of Dolphin-Watch Ecotour Operations in Clearwater, Florida," 2004	Box 14

Wu, Christopher : "A Statistical Modeling Assessment of the National Nutrient Criteria in the Neuse River Estuary, North Carolina," 2004 Box 14

Zollett, Erika A. : "Preliminary Observation of Depredation by Bottlenose Dolphins on the King Mackerel Troll Fishery in Florida," 2004 Box 14

[Return to Table of Contents](#)

## 2005 -- Master's Projects

**Physical Description:** 2 boxes

Alton, Amy : "Environmental Performance Measures for the U.S. Port Sector," 2005 Box 14

Andeck, Greg : "Presidential Executive Orders on the Environment," 2005 Box 14

Arensman, Elena : "Integrating Regional Land Use Planning into Local Open Space Protection," 2005 Box 14

Barkley, Matthew : "A Statistical Modeling Assessment of Western North Carolina Lakes," 2005 Box 14

Biscoe, Melanie L. : "DDT Policy for Malaria Control in Africa: Perceptions, Politics, and Policy," 2005 Box 14

Bowles, Marshall W. : "Fault-related Hydrothermal Breccias from 2240'N on the Mid-Atlantic Ridge," 2005 Box 14

Brazer, Jr., Eric O. : "A Policy-Oriented Ethnography of the Winter Bluefin Tuna Fishery in Beaufort and Morehead City, North Carolina," 2005 Box 14

Brodnax, Sara : "Legislative Policy Development: Setting the Environmental Agenda in North Carolina," 2005 Box 14

Buback, Steven : "Environmental Predictors of Crayfish Distribution," 2005 Box 14

Caldwell, Linda S. : "A Predictive Framework of Designated Use Attainment: An Application of Nutrient Criteria Selection for Florida Lakes," 2005	Box 14
Carney, W. Michael : "Differential Toxicity of Naphthoic Acid Isomers in Medaka ( <i>Oryzias latipes</i> ) Embryos Using a 96-well Plate Format," 2005	Box 14
Chang, Cheryl : "Integrating Carbon Sequestration into National Forest Management," 2005	Box 14
Choi, Ga-Young : "Sea Turtles and the Caribbean Hotel Industry: The Development of a Best Practices Manual," 2005	Box 14
Choy, Denise : "Planning for Sustainable Tourism in Cuba: A Scenario-Based Approach to the Future," 2005	Box 14
Cimiluca, Christine M. : "Jones Lake State Park and Bushy Lake State Natural Area Informational Booklet and Resource Management Plan," 2005	Box 14
Cohun, Kelly : "Managing the Gladden Spit Marine Reserve: An Analysis of the Whale Shark Dive Tourism Industry in Placencia, Belize," 2005	Box 14
Cornet, Jacquelyn L. : "Marine Mammal and the Effects of Noise: Facts about Acoustic Signals and the Potential Impacts of Human Sound Sources," 2005	Box 14
Daniels, Sarah L. : "Climate Change Monitoring Identification of Climate Sensitive Sites in the Southwest Alaska Network of National Parks," 2005	Box 14
Dunn, Daniel C. : "Social and Physical Factors in the Designation of Marine Protected Areas by the South Atlantic Fishery Management Council," 2005	Box 15

English, Elizabethann : "Turtles, Conservation and Conflict: Using Dispute Resolution Systems in the U.K. Caribbean Overseas Territories," 2005	Box 15
Estes, Emily S. : "Statistical Analysis of Water Quality Criteria and Designated Use Attainment for 125 Finnish Lakes," 2005	Box 15
Fadely, Karen M. : "Tourism Zoning for Parque Nacional Ambor, Boliva," 2005	Box 15
Feighner, Gordon R. : "Modeling Carbon Dioxide Emissions Trading for the New England Region," 2005	Box 15
Fetherston, Elizabeth H. : "Sustainability Certification in Community-Based Fisheries," 2005	Box 15
Fuge, Dylan : "Vacant Land in Durham: An Urban Development Resource?," 2005	Box 15
Gadwood, Lisa Ann : "Development Impacts of a Proposed Interstate on Isolated Wetlands in Horry County, South Carolina," 2005	Box 15
Geiser, Hillary A. : "Spatial Applications of PRZM/EXAMS for Watershed-Based Pesticide Risk Assessments ," 2005	Box 15
Gleason, Allison : "Assessment of Kayak Industry Education Needs, Florida Keys National Marine Sanctuary," 2005	Box 15
Goddard, Kelly L. : "Tourism and Community-Based Enterprise Development: A Report from Copan, Honduras," 2005	Box 15
Goetz, Kimberly T. : "Summer Habitat Preference of Beluga Whales (Delphinapterus leucas) in Cook Inlet, Alaska," 2005	Box 15
Gove, Matt : "A Comprehensive National Ocean Policy: America's Next Step?," 2005	Box 15

Greganti, Mary C. : "Saving Venice: Flood Prevention and Coastal Management in a Heritage City, " 2005	Box 15
Hagerty, Meghan A. : "Fire Suppression and the Decline of the Western Toad in Glacier National Park, " 2005	Box 15
Hammer, Carolyn : "Evaluation of the Use of Life Cycle Assessment in Sustainable US Agriculture, " 2005	Box 15
Harris, Adrienne O. : "The Land Use Patterns of the Haw River Watershed and their Effects on Water Quality," 2005	Box 15
Hunt, Alan R. : "Conserving the Agricultural Landscape through Farmers' Markets," 2005	Box 15
Innes, Wilhelmina S. : "Survival Rates of Marine Mammals in Captivity: Temporal Trends and Institutional Analyses," 2005	Box 15
Jayme, Katrina L. : "Adapting the Marine Stewardship Council (MSC) Eco-Labeling Program to Developing Country, Small-Scale Fisheries," 2005	Box 15
Kang, Aram : "Tourism and the Great Smoky Mountains National Park: Perspectives of the Business Community," 2005	Box 15
Keene, Matt : "Toward an Effective System of Marine Protected Areas: The Establishment of a Global Forum," 2005	Box 15
Kingham, Alexis : "An Analysis of Re-enrollment Strategies to Maximize Tree Acreage in the Conservation Reserve Program," 2005	Box 15
Kirk, Whitney Elizabeth : "Hybrids or Hydrogen: Automotive Policy for a New Generation," 2005	Box 15
Kunert, Kelly : "A GIS Approach to Habitat Restoration Site Selection and Prioritization in the New York-New Jersey Harbor Estuary," 2005	Box 15

---

Kwok, Rose : "Prioritizing Wetland Restoration Sites in the Schuylkill River Watershed, " 2005	Box 15
LaPoint, Jodie : "The Loss of Forest Habitat for Lemurs in Ankarafantsika National Park, Western Madagascar," 2005	Box 15
Lee, Crystal S. : "Greenhouse Gas Card: Addressing the Disconnect Between Scientific Research and Public Understanding," 2005	Box 15
Leitch, Amy Sinclair : "Visitor Profile and Analysis of Tourism User Fees for Ambor National Park, Bolivia," 2005	Box 15
Leiterman, Lindsay A. : "A Management Plan for Nesting Sea Turtles on Puerto Rico's Undeveloped Beaches, " 2005	Box 15
Maresh, Jennifer L. : "Analysis of North Atlantic Right Whale Swimming Behavior During Bottom Foraging Events to Assess Entanglement Risk," 2005	Box 15
Marichal, Cassandra : "Sea Turtle Education Manual for Cipara, Venezuela," 2005	Box 15
Maxted, Carson : "Benchmarking Laboratory Design: A Case for Right-Sizing," 2005	Box 15
May, Edward E. : "The Viability of Utility Scale Wind Power on the North Carolina Coast, " 2005	Box 15
McCoy, William : "Evaluation of Local Emergency Planning Committees (LEPCs) in North Carolina, " 2005	Box 15
McDonald, Teresa : "Development of Outdoor Environmental Education at Hillandale Elementary School, " 2005	Box 15
Mihnovets, Alicia Nicole : "Assessing Beach Nourishment Impacts on Loggerhead Sea Turtle (Caretta caretta) Reproduction on Bogue Banks Island, North Carolina," 2005	Box 15

---

Mitchell, Charlotte : "Public Participation in Environmental Decisionmaking in Cuba," 2005	Box 15
Moir, Ilana Christiann : "Prioritizing Areas for Future Conservation Along the Blue Ridge Parkway," 2005	Box 15
Park, Ji-Won : "Development of a New Pulp Mill Facility in Sumatra, Indonesia: The First Ten Years," 2005	Box 16
Pearson, Georgia : "Predicting the Location of Alabama Black Belt Prairie Patches Using Spatial Analysis Tools," 2005	Box 16
Peng, John H. : "The Clean Air Investment Fund Strategy: Benefits, Uses, and Recommendations," 2005	Box 16
Reif, Melissa W. : "An Adaptive Framework for Identifying Puma Refuge Zones in Colorado," 2005	Box 16
Roberts, Brian T. : "A Macroinvertebrate Survey of Sandy Creek in Durham County and Comparison to Other Triassic Basin Watersheds in North Carolina," 2005	Box 16
Schnitzer, Andrea : "Potential Environmental Implications of the Federal Tobacco Buyout: An Evaluation Methodology," 2005	Box 16
Schonfeld, Haley R. : "Conservation Management Plan for a Riparian Corridor Along the Neuse River: Wayne County, North Carolina," 2005	Box 16
Schuh, Georgia : "Lean Manufacturing: Examining the Relationship between Lean and "Green" in the Furniture Industry," 2005	Box 16
Seiling, Erin : "Incentives and Obstacles to Using Living Shorelines Along Estuarine and Riverine Shorelines in North Carolina," 2005	Box 16

---

---

Siraprapasiri, Poom : "Comparing Energy Portfolios Across Countries: Do Prices Matter?," 2005	Box 16
Smith, Jeff : "Identifying Strategic Marine Fisheries Habitat in North Carolina," 2005	Box 16
Stites, Nicole C. : "Non-Traditional Sources of Childhood Lead Exposure in Chicago, IL," 2005	Box 16
Swails, Katherine Sandmeyer : "Patterns of Seal Strandings and Human Interactions in Cape Cod, Massachusetts," 2005	Box 16
Thompson, Silvia Freitas : "An Analysis of the Green Building Market for Speculative Commercial Developments," 2005	Box 16
Travis, Lindsay : "Community and Ecological Effects of Exurbanization in Western North Carolina Communities," 2005	Box 16
Watkins, Julia : "Stakeholder Perspectives: A Tool for Creating Ecological Guidelines for Rural Residential Development in the Greater Yellowstone Ecosystem," 2005	Box 16
Weaver, Scott : "Evaluation of Fuel Options for Biomass Co-Firing in the Eastern United States," 2005	Box 16
Weingarden, Sarah L. : "Improving Electrification for Remote, Rural Households Using Renewable Energy Technologies: A Navajo Nation Study," 2005	Box 16
Wicker, Jim G. : "Smart Seafood: Sustainable Seafood in Carteret County," 2005	Box 16
Wildman, Nicholas Lee : "Estimates of the Economic Benefits from Two Federal Habitat Incentives Programs," 2005	Box 16
Wolff, Katherine Lynn : "Bacterial Source Identification and Management in Jarrett Bay, NC," 2005	Box 16

Work, Chet : "Comprehensive Bird Monitoring:  
An Assessment Technique for Effective Land  
Conservation," 2005 Box 16

---

Yamamoto, Shiho : "The Effects of Forest  
Fragmentation on Genetic Variability of  
Japanese Beech (*Fagus crenata*): A Case Study  
in the Kurikoma Mountains of Japan," 2005 Box 16

[Return to Table of Contents](#)

### **2006 -- Master's Projects, 2006**

**Physical Description:** 3 boxes

2006 Armstrong-Lyons, 2006 Box 61

**Physical Description:** 1 boxes

2006 Mackey-Young, 2006 Box 62

**Physical Description:** 1 boxes

2006 DEL Program Boatwright-Romaine, 2006 Box 63

**Physical Description:** 1 boxes

[Return to Table of Contents](#)

### **2007 -- Master's Projects, 2007**

**Physical Description:** 2 boxes

2007 Aires-Hardy, 2007 Box 64

**Physical Description:** 1 boxes

2007 Henry-Smith, 2007 Box 65

**Physical Description:** 1 boxes

[Return to Table of Contents](#)