

## STEPHEN J. DURKEE

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*Career interests:* Marine conservation and policy; coastal zone management; coastal water quality.

- EDUCATION**      **MASTER OF ENVIRONMENTAL MANAGEMENT**, May 2008  
Nicholas School of the Environment and Earth Sciences  
Duke University, Durham, NC  
**CERTIFICATE OF GEOSPATIAL ANALYSIS**, May 2008  
*Master's project:* Reversing a decline in water quality: Community-based ecosystem management in Middens Creek, NC.  
*Concentration:* Marine policy and coastal water quality.
- BACHELOR OF SCIENCE**, December 2000  
James Madison University, Harrisonburg, VA  
*Major:* Biology.  
*Research project:* Stomach content analysis of bottlenose dolphins (*Tursiops Truncatus*) stranded along mid-Atlantic beaches.
- PROFESSIONAL EXPERIENCE**      **Water Quality Researcher**, Fishery Resource Grant Program, Duke University Marine Laboratory, Beaufort, NC  
Planned and executed fecal coliform characterization sampling in Middens Creek, NC in response to recent shellfish closures. Performed an extensive shoreline survey complete with GIS integration to locate and identify fecal coliform sources and potential mitigation areas. Communicated project goals with the residents of Middens Creek to enlist volunteers for the proposed remediation plan. Developed an outreach plan in an effort to eliminate non-point sources of fecal coliform. Utilized historical aerial photography and water quality data within a GIS to mathematically investigate the relationship between water quality and percent impervious cover in the watershed. 2007-2008
- Aquatic Scientist**, Taylor Associates Inc, Seattle, WA  
Sampled stormwater runoff to ensure NPDES permit compliance. Collected, managed and analyzed monitoring data from both industrial wastewater and natural waterbodies. Performed assessment testing of industrial stormwater filtration technology. Assessed stream health utilizing the benthic index of biological integrity system. 2005-2006
- OTHER EXPERIENCE**      **Cell Biologist**, American Type Culture Collection, Manassas, VA  
Cultured a wide variety of cell lines to be used in research projects worldwide. Performed equipment validation studies requiring management and analysis of large amounts of data. Independently developed and implemented the antibody isotyping program for the Bioproduction Department. 2002-2004
- Marine Endangered Species Observer**, REMSA Inc, Newport News, VA  
Onboard observation of dredging vessels to help minimize incidents of endangered sea turtle takes. Inspected dragheads and turtle deflectors to ensure correct usage. Reported all incidents of sea turtle takes to the National Marine Fishery Service and the Army Corps of Engineers. Performed relocation trawls to displace sea turtles from active dredging areas. 2001-2002
- ADDITIONAL INFORMATION**      Proficient in a wide range of water quality testing instruments including ISCO automated samplers, YSI water quality probes, level probes, area/velocity sensors, and turbidimeters.